

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054868.D
 Acq On : 1 Apr 2019 12:26
 Operator : JC/SP
 Sample : VN0401MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Quant Time: Apr 02 04:20:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	610535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	228629	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	255261	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	7.59	113	203211	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.09	98	739969	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	243326	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	75734	20.698	ug/l	100
3) Chloromethane	2.06	50	109028	21.550	ug/l	99
4) Vinyl Chloride	2.19	62	96953	21.339	ug/l	100
5) Bromomethane	2.57	94	55073	21.855	ug/l	97
6) Chloroethane	2.71	64	53713	21.172	ug/l	98
7) Trichlorofluoromethane	3.02	101	123881	22.178	ug/l	96
8) Diethyl Ether	3.41	74	42298	23.517	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	65482	22.269	ug/l	93
10) Methyl Iodide	3.94	142	77435	19.236	ug/l #	88
11) Tert butyl alcohol	4.83	59	32403	127.535	ug/l	100
12) 1,1-Dichloroethene	3.73	96	64738	22.767	ug/l #	79
13) Acrolein	3.61	56	22491	99.021	ug/l	96
14) Allyl chloride	4.31	41	154001	21.988	ug/l #	93
15) Acrylonitrile	5.00	53	167095	118.322	ug/l	99
16) Acetone	3.82	43	137872	118.563	ug/l #	80
17) Carbon Disulfide	4.04	76	188632	20.453	ug/l	99
18) Methyl Acetate	4.33	43	78423	25.441	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	230891	23.213	ug/l	95
20) Methylene Chloride	4.55	84	91429	22.290	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	81488	21.818	ug/l #	80
22) Diisopropyl ether	5.96	45	323099	23.324	ug/l #	95
23) Vinyl Acetate	5.90	43	1128598	117.072	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	171670	23.231	ug/l	97
25) 2-Butanone	6.85	43	211795	123.214	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	114728	22.151	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	96971	22.983	ug/l	87
28) Bromochloromethane	7.19	49	81566	22.074	ug/l #	72
29) Tetrahydrofuran	7.22	42	139782	117.083	ug/l #	85
30) Chloroform	7.37	83	167499	23.771	ug/l	100
31) Cyclohexane	7.65	56	158762	22.443	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	133850	22.922	ug/l	95
36) 1,1-Dichloropropene	7.79	75	121395	21.339	ug/l	95
37) Ethyl Acetate	6.94	43	96662	23.170	ug/l #	93
38) Carbon Tetrachloride	7.77	117	115096	20.830	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132316	21.156	ug/l	88
40) Benzene	8.04	78	365229	22.436	ug/l	99
41) Methacrylonitrile	7.18	41	55506	23.684	ug/l	89
42) 1,2-Dichloroethane	8.12	62	130237	22.407	ug/l	98
43) Isopropyl Acetate	8.17	43	154752	22.829	ug/l #	93
44) Trichloroethene	8.83	130	93888	22.218	ug/l	91
45) 1,2-Dichloropropane	9.12	63	103216	22.237	ug/l	93
46) Dibromomethane	9.21	93	57316	21.951	ug/l	90
47) Bromodichloromethane	9.40	83	122211	22.521	ug/l	99
48) Methyl methacrylate	9.20	41	79415	21.612	ug/l	89
49) 1,4-Dioxane	9.21	88	18674	512.177	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	440911	115.689	ug/l	92
52) Toluene	10.16	92	213226	22.013	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	106432	20.850	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	134892	22.121	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	82374	22.871	ug/l	96
56) Ethyl methacrylate	10.43	69	104432	22.103	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	143471	23.170	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	183046	96.569	ug/l	90
59) 2-Hexanone	10.75	43	275063	112.742	ug/l	90
60) Dibromochloromethane	10.90	129	82941	22.733	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78695	22.863	ug/l	98
64) Tetrachloroethene	10.63	164	90136	22.053	ug/l	95
65) Chlorobenzene	11.43	112	224610	21.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84732	21.708	ug/l	99
67) Ethyl Benzene	11.51	91	408317	21.698	ug/l	95
68) m/p-Xylenes	11.62	106	303028	43.513	ug/l	95
69) o-Xylene	11.95	106	145796	21.350	ug/l	92
70) Styrene	11.96	104	239834	21.965	ug/l	97
71) Bromoform	12.13	173	47614	20.822	ug/l #	99
73) Isopropylbenzene	12.25	105	391398	20.945	ug/l	97
74) N-amyl acetate	12.07	43	117399	20.165	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	98476	22.979	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	116369	29.299	ug/l #	100
77) Bromobenzene	12.53	156	94795	21.019	ug/l	84
78) n-propylbenzene	12.59	91	427991	20.838	ug/l	96
79) 2-Chlorotoluene	12.67	91	267082	21.019	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	321580	20.972	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19784	19.375	ug/l #	78
82) 4-Chlorotoluene	12.77	91	253625	20.549	ug/l	97
83) tert-Butylbenzene	12.99	119	275847	22.052	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	313720	21.476	ug/l	98
85) sec-Butylbenzene	13.17	105	354053	21.256	ug/l	97
86) p-Isopropyltoluene	13.29	119	310337	21.124	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156797	20.765	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	149049	20.125	ug/l	98
89) n-Butylbenzene	13.61	91	235225	19.624	ug/l	98
90) Hexachloroethane	13.87	117	50247	20.144	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	157375	20.651	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14262	22.325	ug/l	82

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

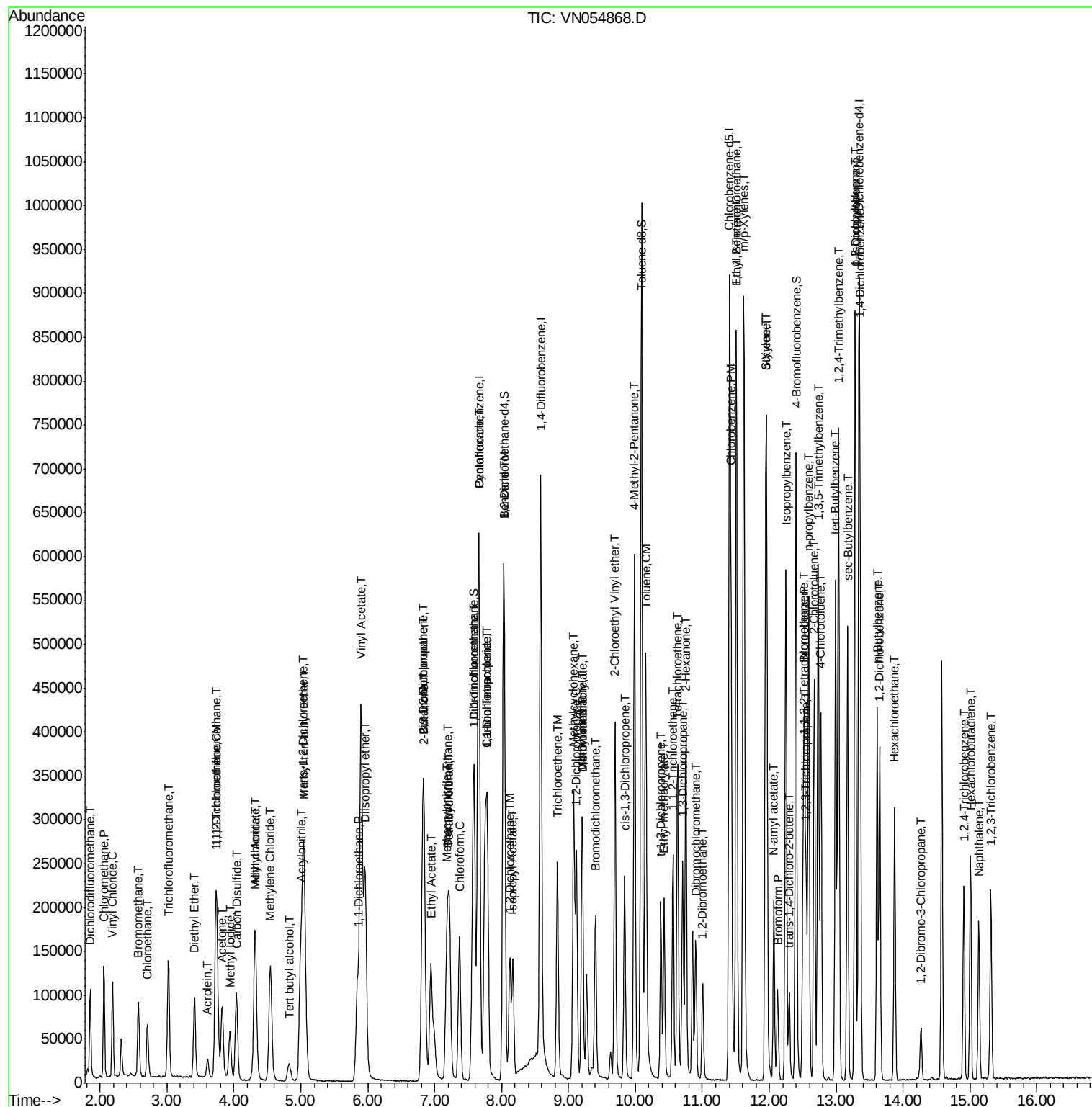
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71058	19.341	ug/l	97
94) Hexachlorobutadiene	15.01	225	50000	21.793	ug/l	100
95) Naphthalene	15.13	128	153433	18.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72502	19.540	ug/l	96

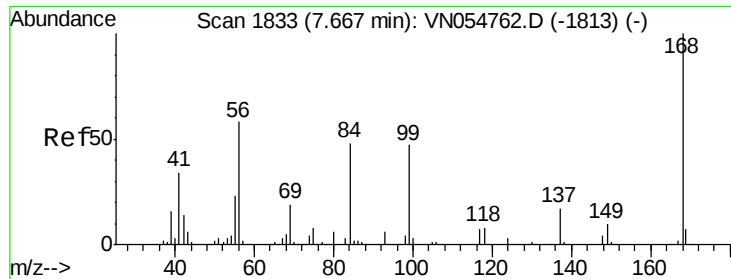
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040119\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

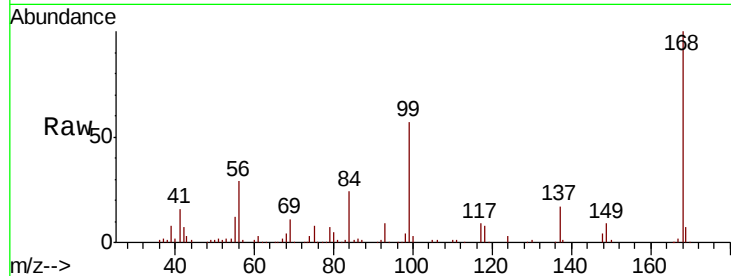
VN0401MBS01

Tot Ion:168 Resp: 361745

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

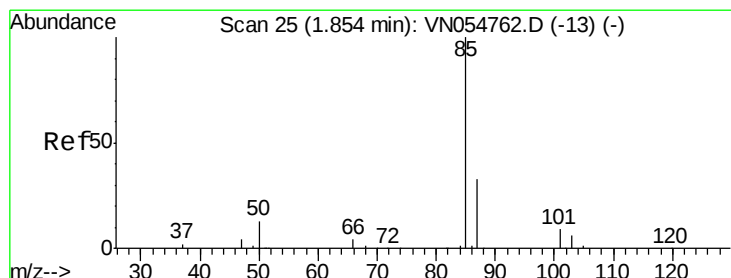
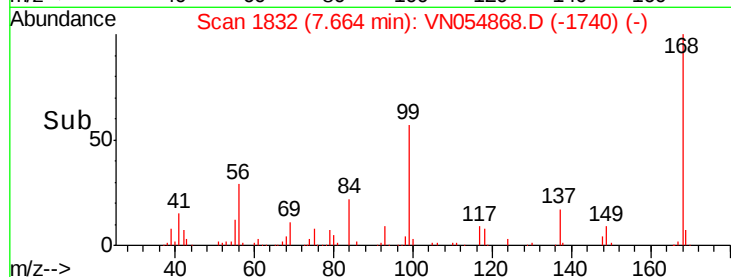
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.698 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054868.D

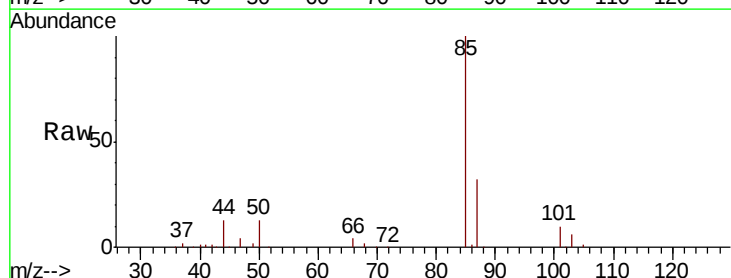
Acq: 1 Apr 2019 12:26

Tgt Ion: 85 Resp: 75734

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

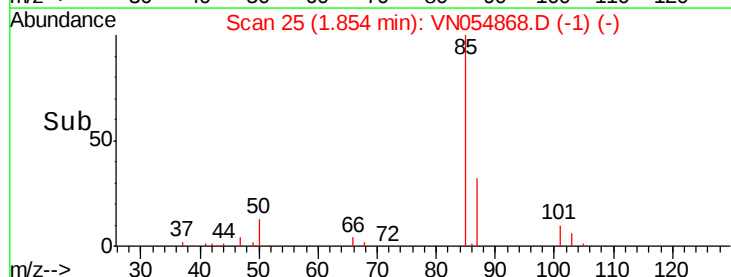
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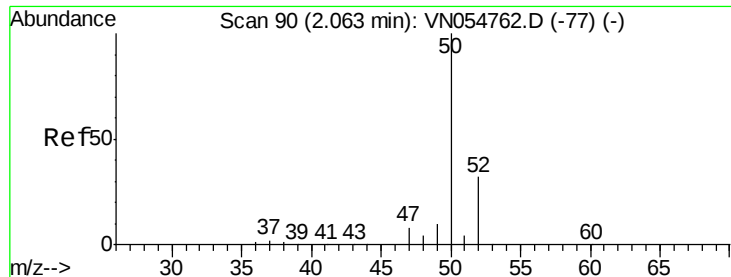
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.550 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.01 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

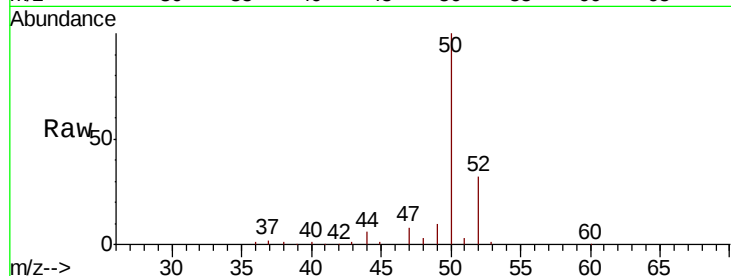
VN0401MBS01

Tot Ion: 50 Resp: 109028

Ion Ratio Lower Upper

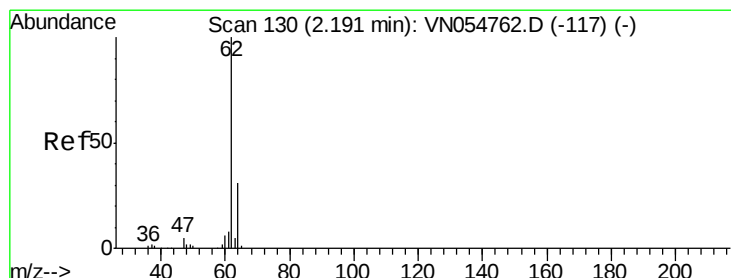
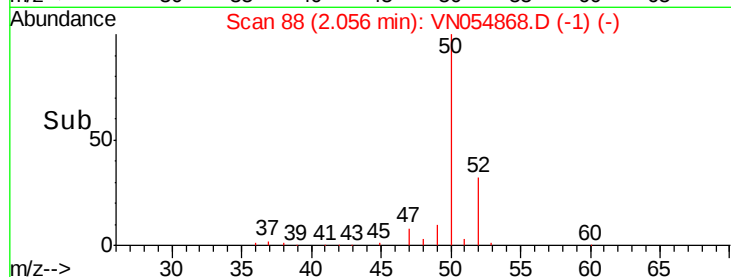
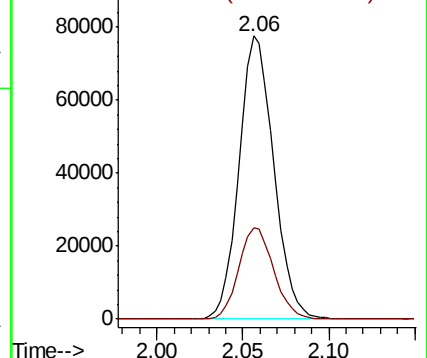
50 100

52 32.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.339 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054868.D

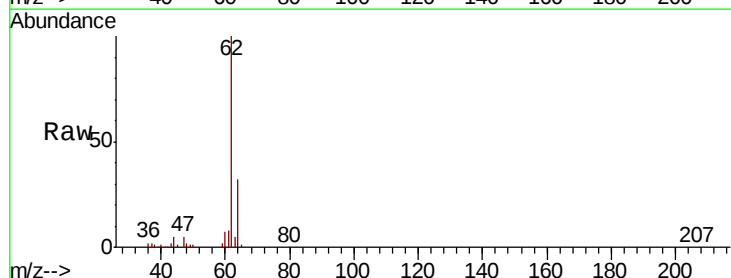
Acq: 1 Apr 2019 12:26

Tgt Ion: 62 Resp: 96953

Ion Ratio Lower Upper

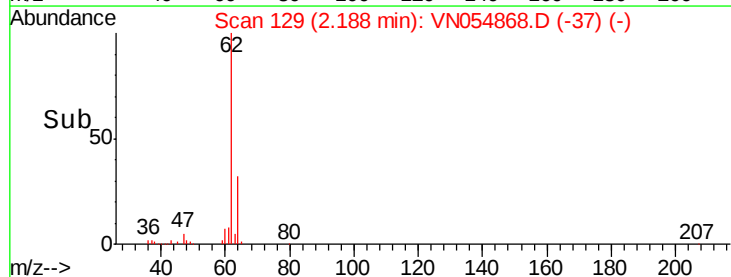
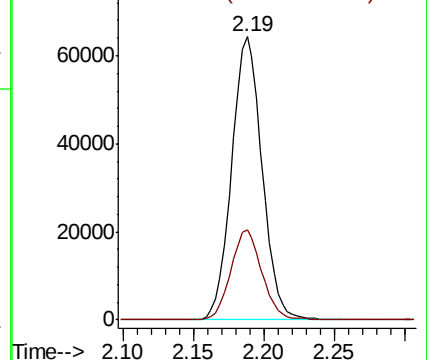
62 100

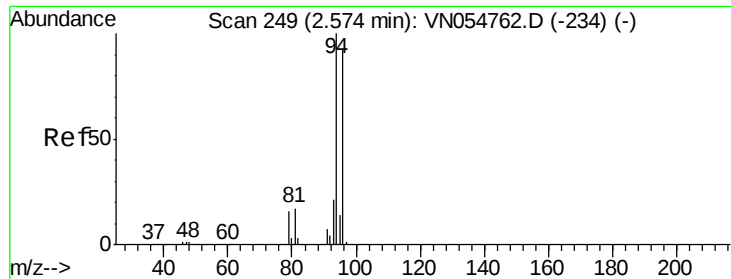
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.855 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

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ClientSampleId :

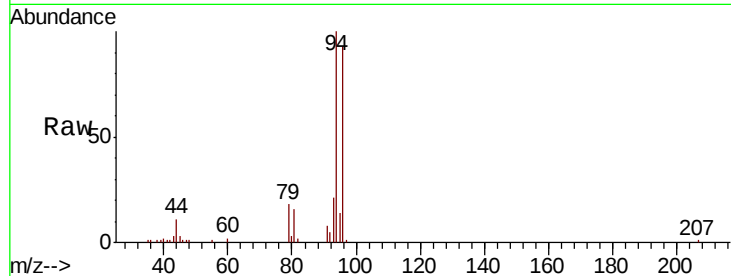
VN0401MBS01

Tot Ion: 94 Resp: 55073

Ion Ratio Lower Upper

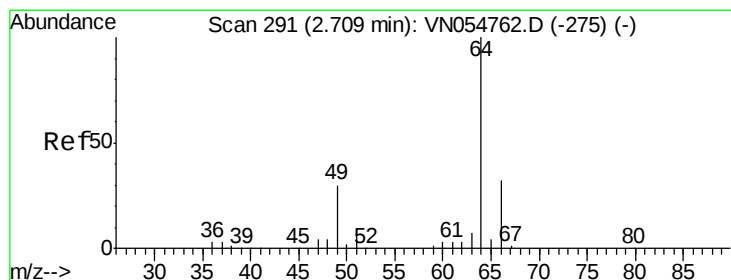
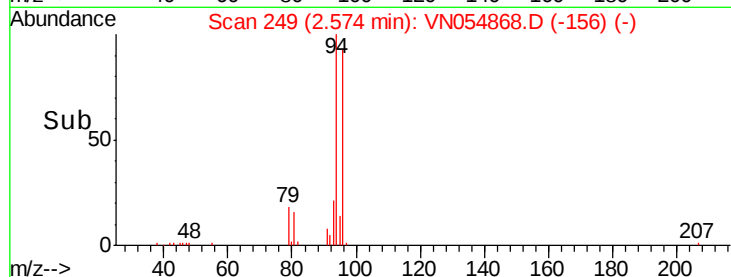
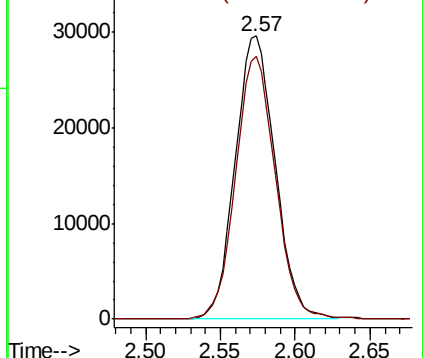
94 100

96 92.9 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.172 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054868.D

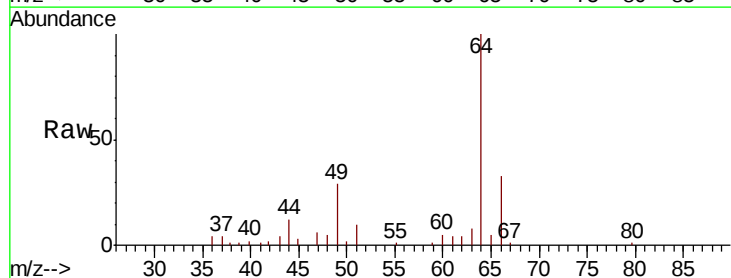
Acq: 1 Apr 2019 12:26

Tgt Ion: 64 Resp: 53713

Ion Ratio Lower Upper

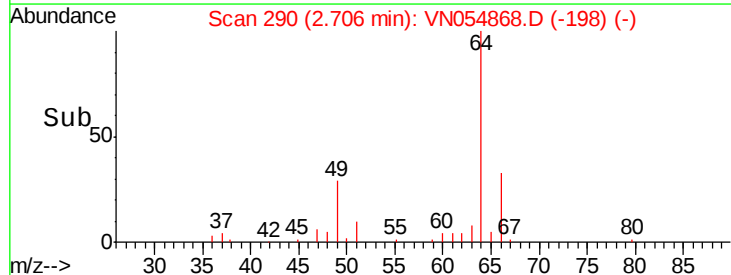
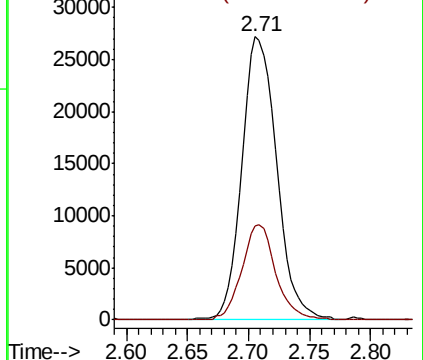
64 100

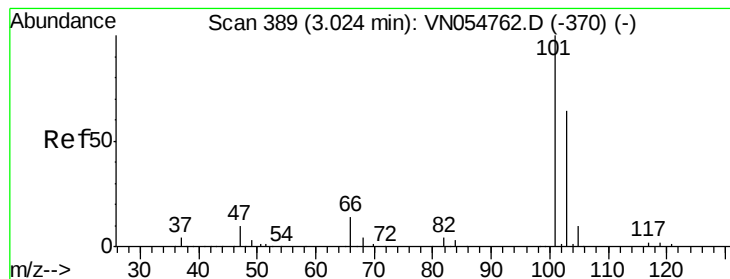
66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



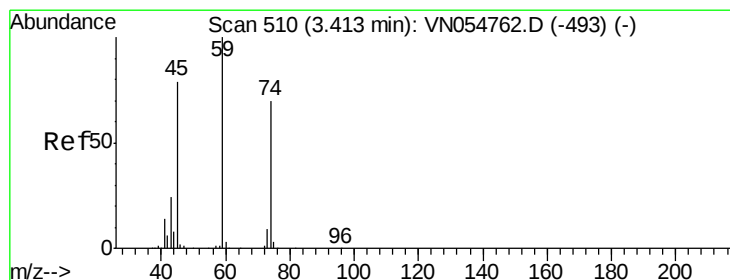
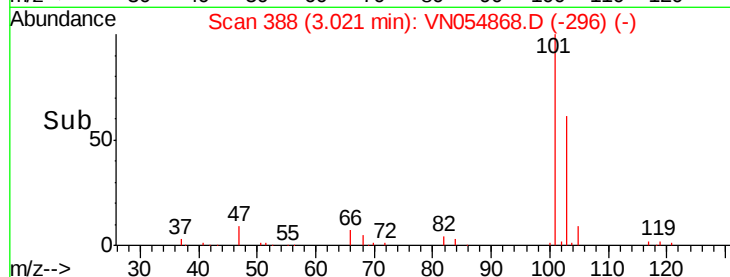
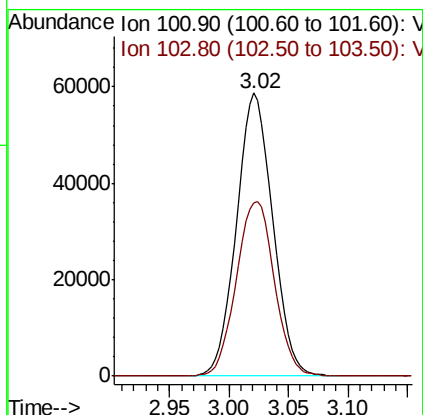
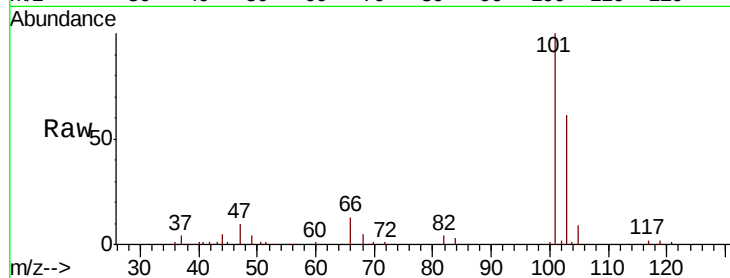


#7

Trichlorofluoromethane
 Concen: 22.178 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
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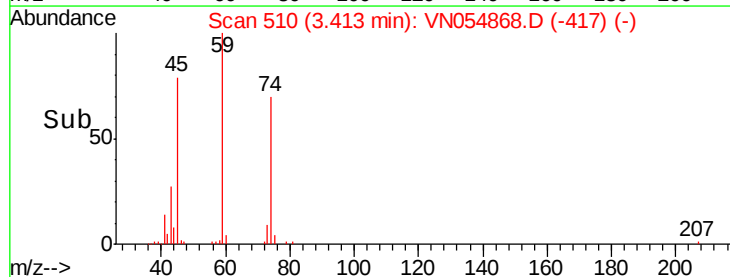
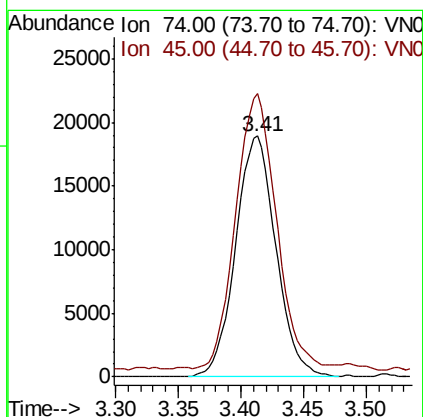
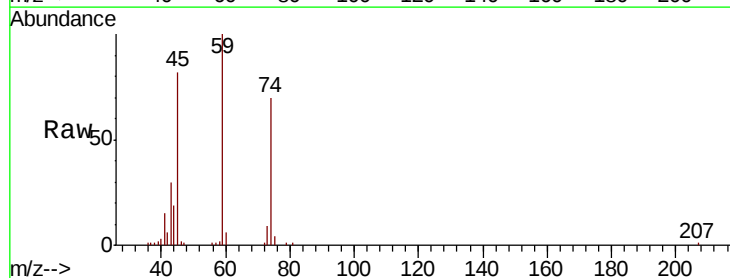
Tot Ion:101 Resp: 123881
 Ion Ratio Lower Upper
 101 100
 103 61.2 51.4 77.2

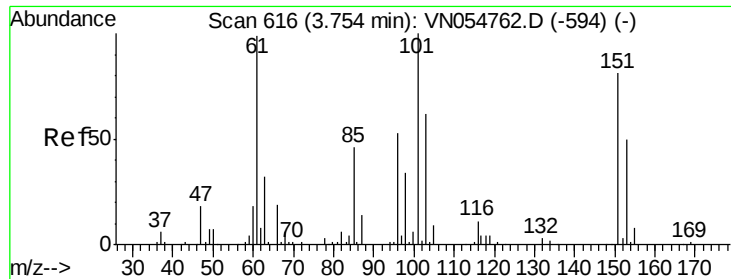


#8

Diethyl Ether
 Concen: 23.517 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 74 Resp: 42298
 Ion Ratio Lower Upper
 74 100
 45 115.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.269 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

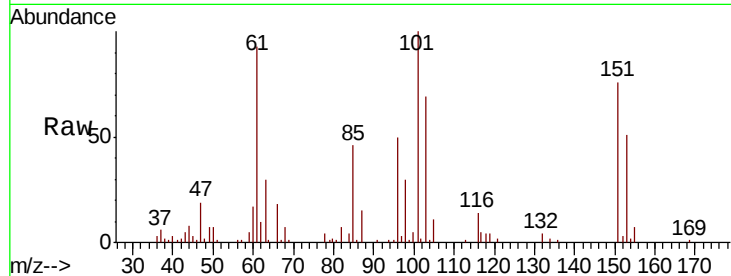
Tot Ion:101 Resp: 65482

Ion Ratio Lower Upper

101 100

85 47.0 32.4 48.6

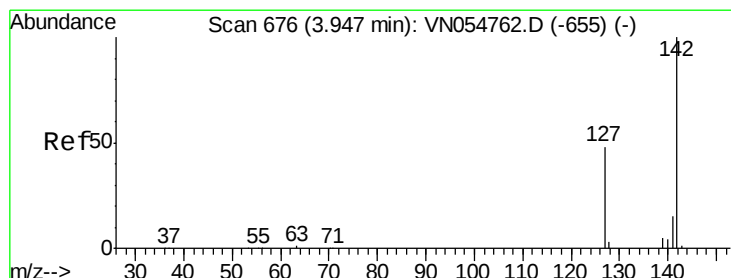
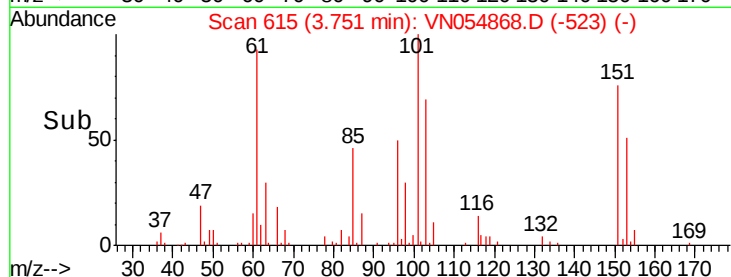
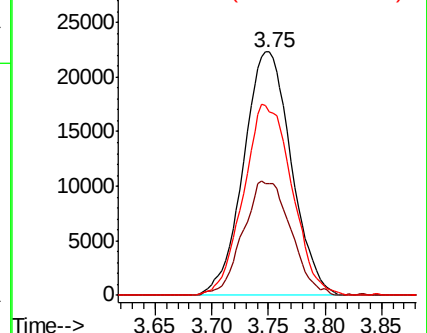
151 79.8 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.236 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

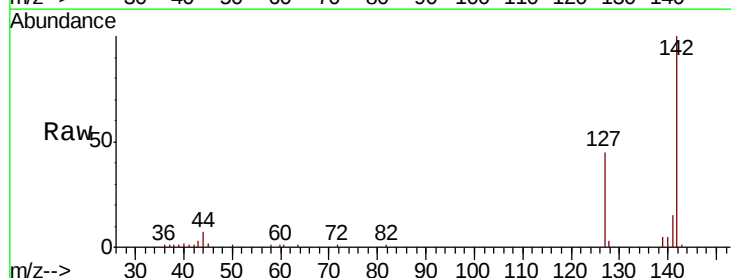
Tgt Ion:142 Resp: 77435

Ion Ratio Lower Upper

142 100

127 47.4 30.3 45.5#

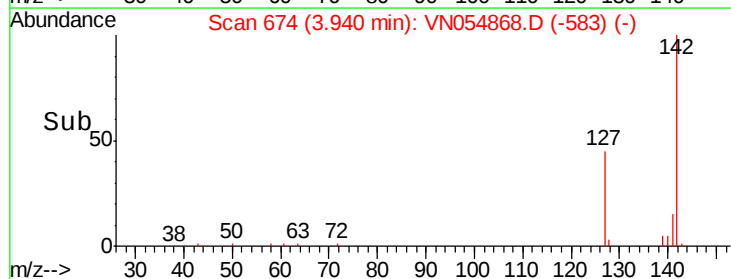
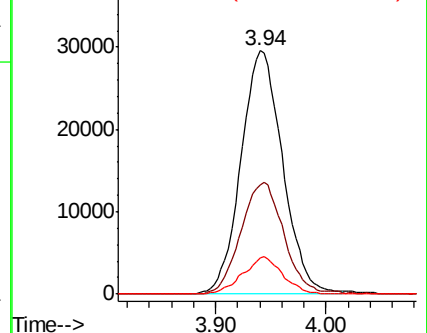
141 14.5 11.2 16.8

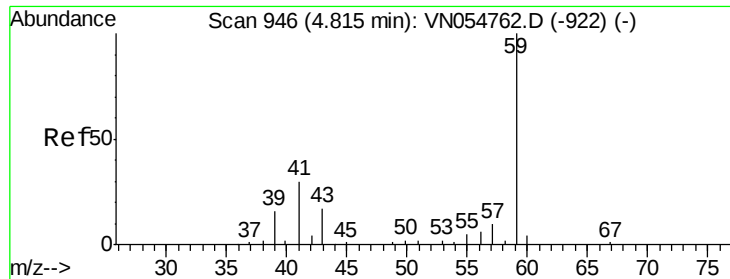


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

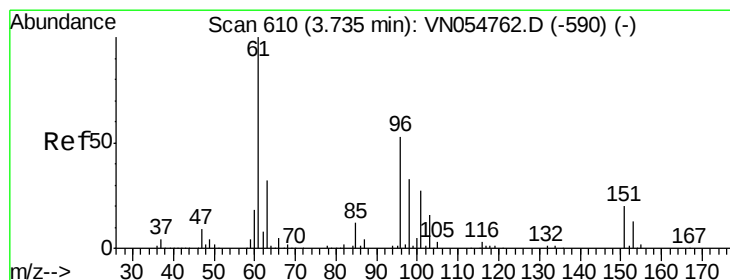
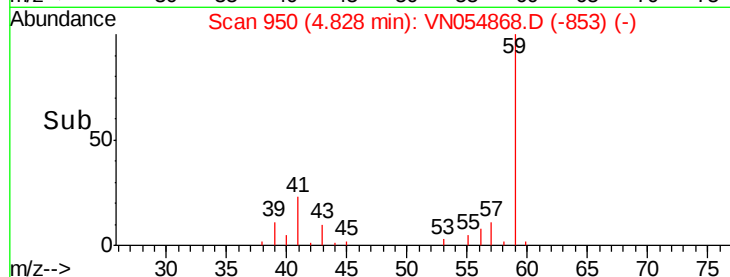
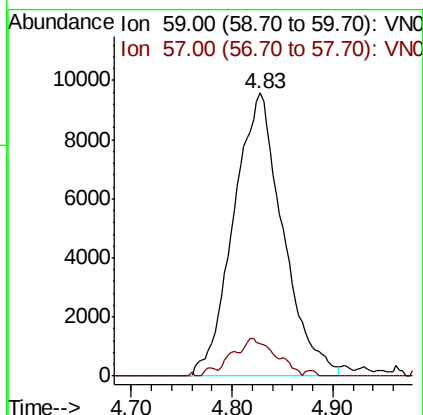
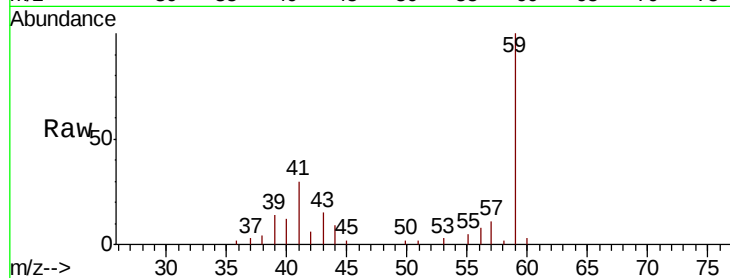




#11
Tert butyl alcohol
Concen: 127.535 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

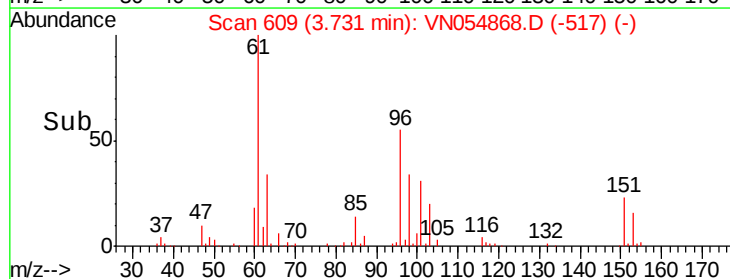
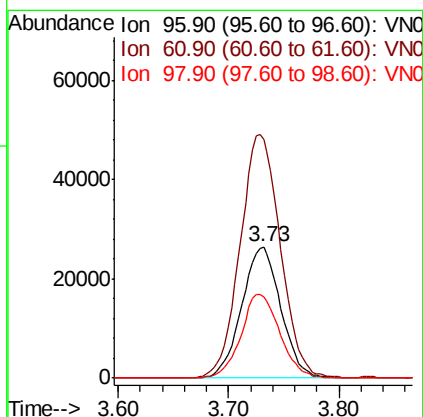
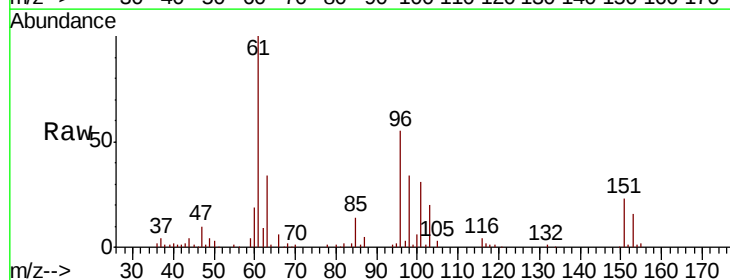
Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

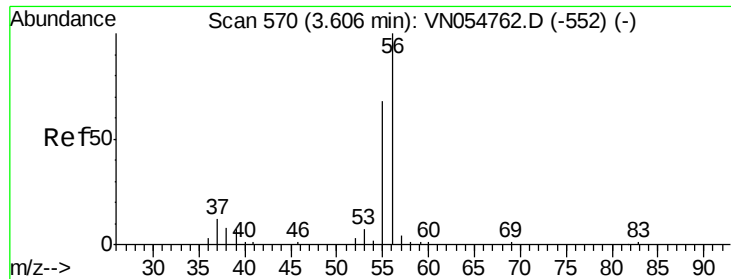
Tot Ion: 59 Resp: 32403
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.6



#12
1,1-Dichloroethene
Concen: 22.767 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 96 Resp: 64738
Ion Ratio Lower Upper
96 100
61 181.7 116.5 174.7#
98 62.2 51.0 76.4





#13

Acrolein

Concen: 99.021 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

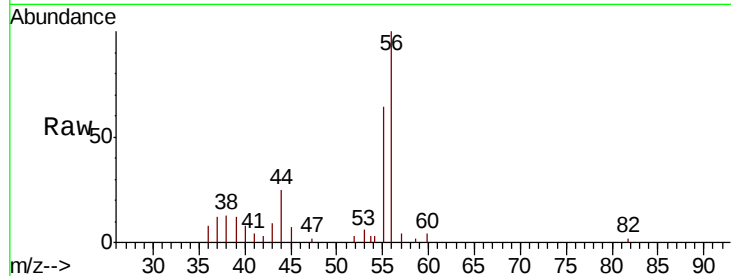
VN0401MBS01

Tot Ion: 56 Resp: 22491

Ion Ratio Lower Upper

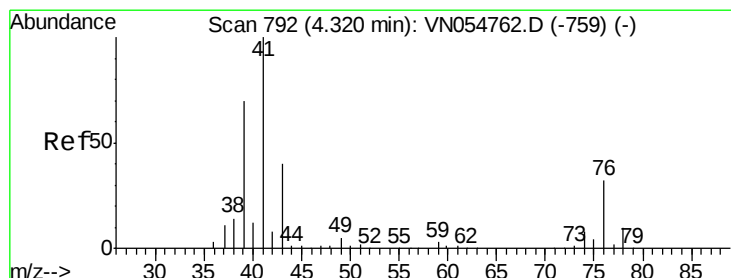
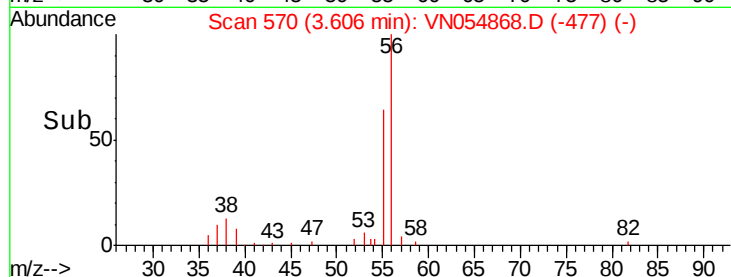
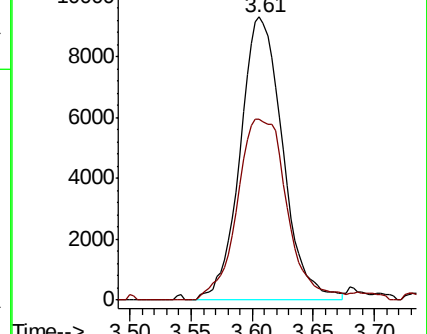
56 100

55 74.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.988 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

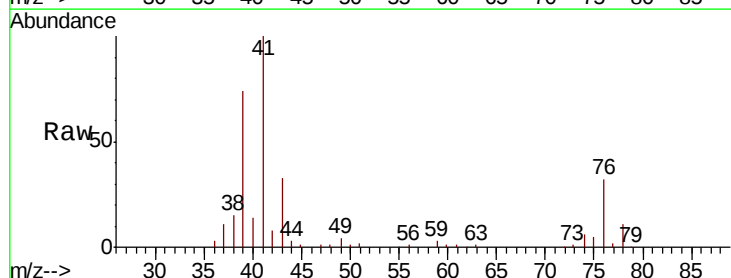
Tgt Ion: 41 Resp: 154001

Ion Ratio Lower Upper

41 100

39 71.5 58.2 87.4

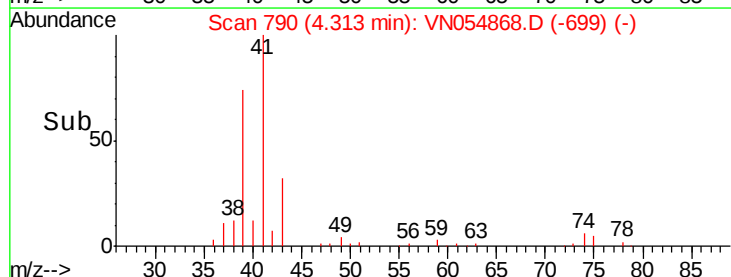
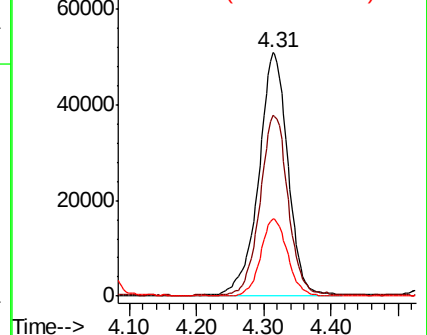
76 28.9 31.7 47.5#

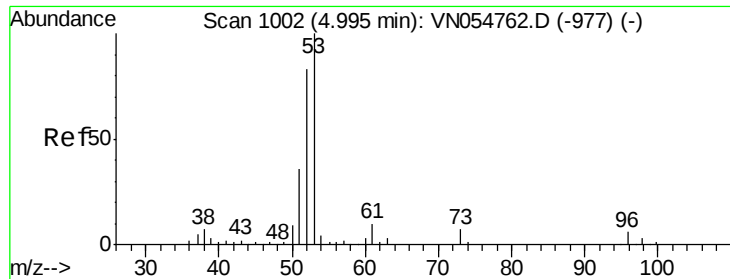


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

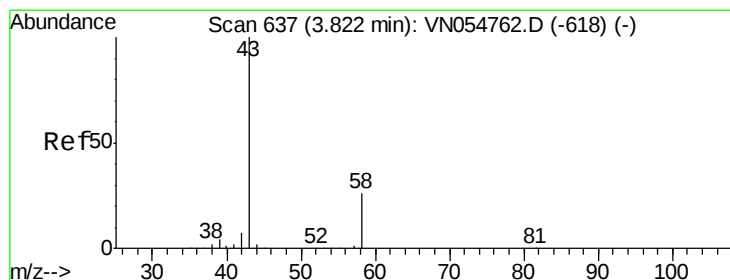
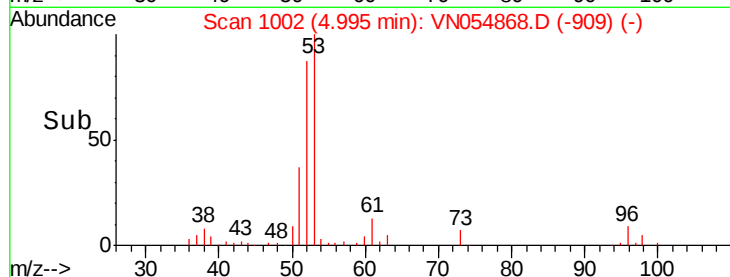
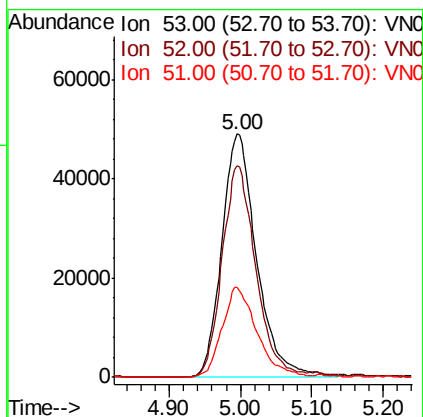
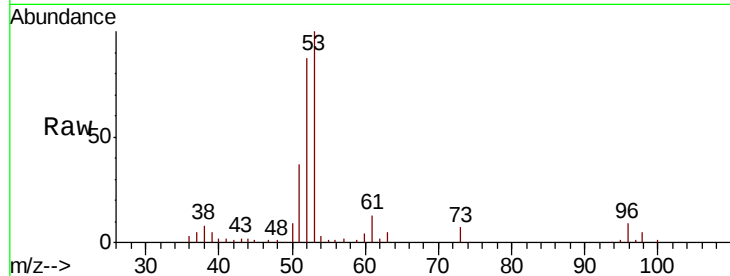




#15
 Acrylonitrile
 Concen: 118.322 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

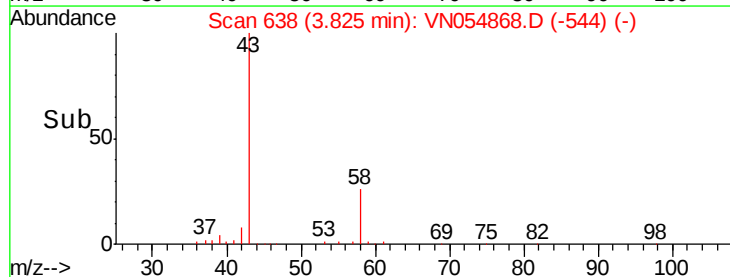
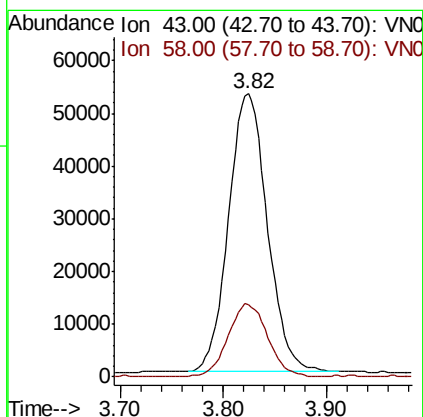
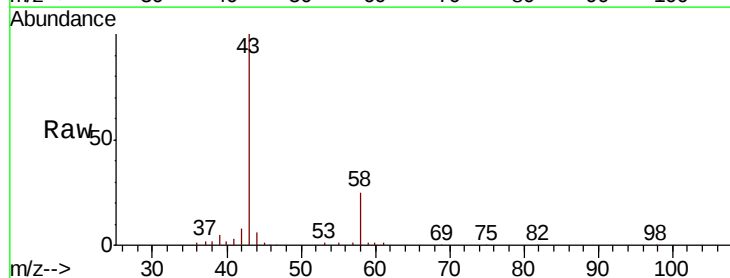
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

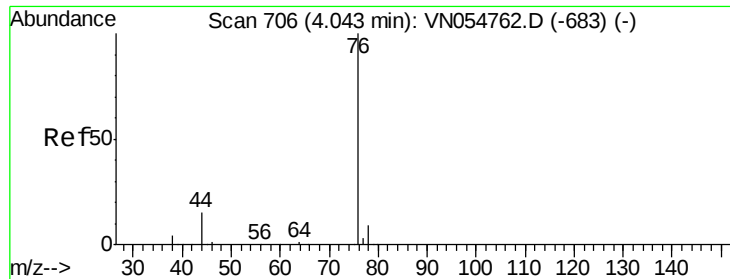
Tot Ion: 53 Resp: 167095
 Ion Ratio Lower Upper
 53 100
 52 83.6 66.4 99.6
 51 37.1 29.6 44.4



#16
 Acetone
 Concen: 118.563 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 43 Resp: 137872
 Ion Ratio Lower Upper
 43 100
 58 25.6 29.9 44.9#

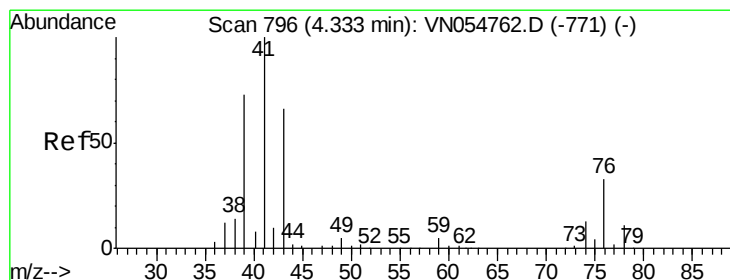
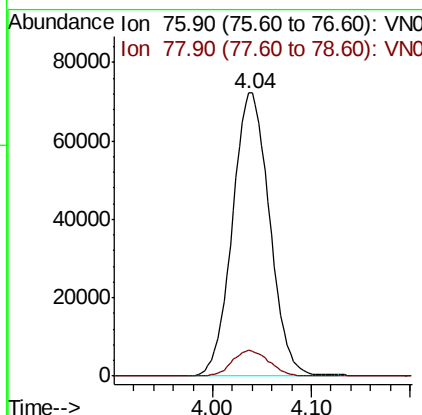
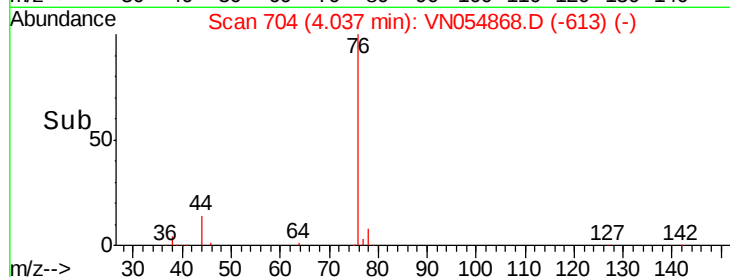
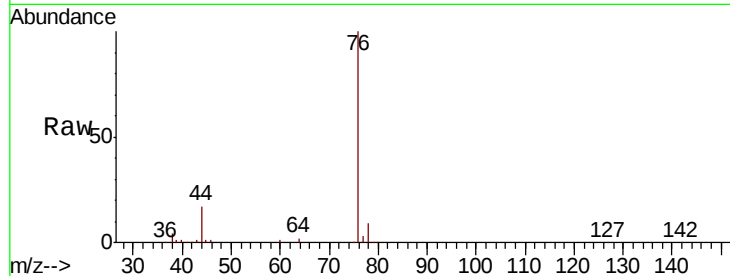




#17
Carbon Disulfide
Concen: 20.453 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

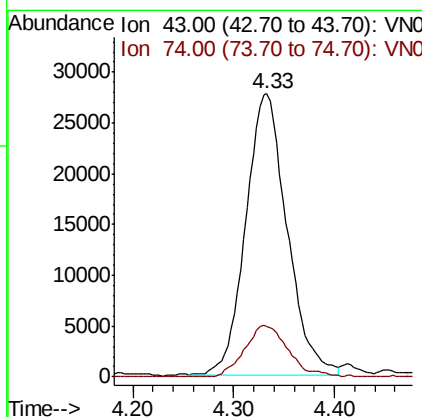
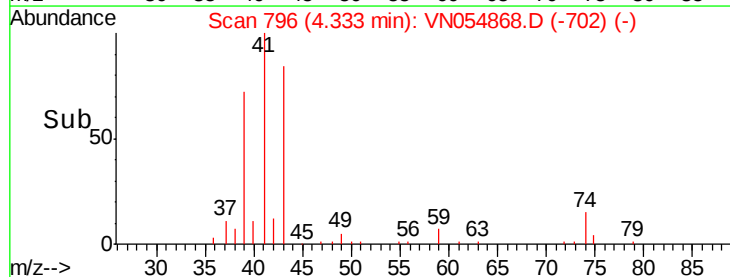
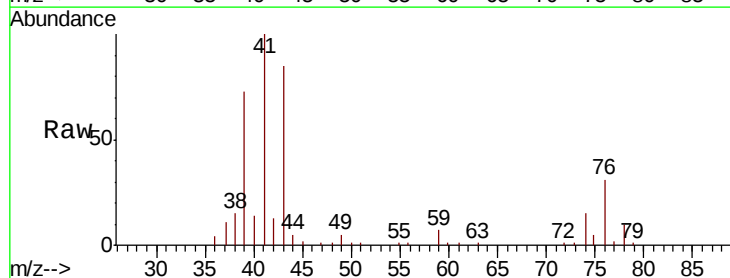
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

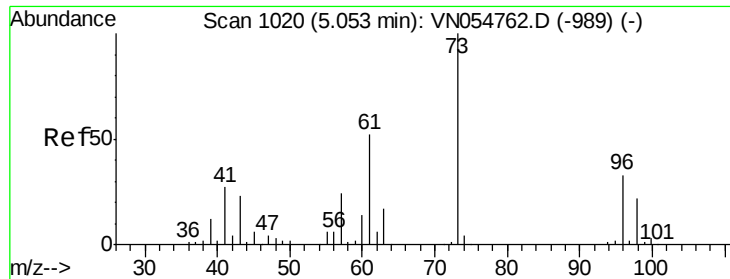
Tot Ion: 76 Resp: 188632
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 25.441 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 43 Resp: 78423
Ion Ratio Lower Upper
43 100
74 19.4 20.8 31.2#

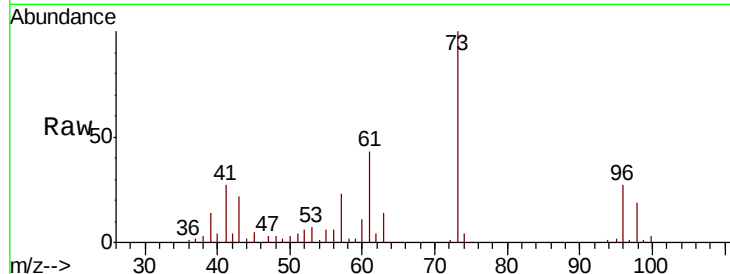




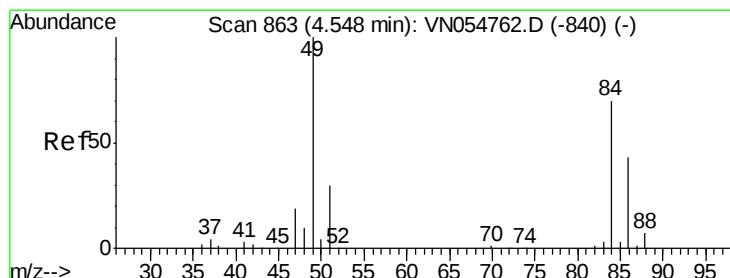
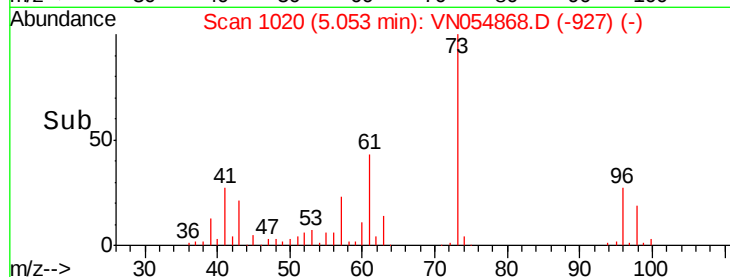
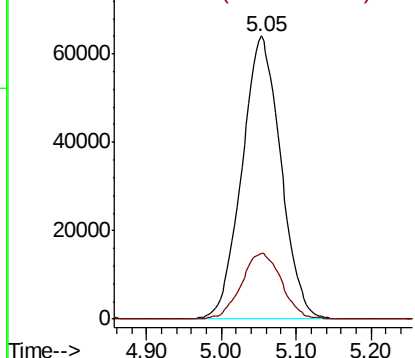
#19
Methyl tert-butyl Ether
Concen: 23.213 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion: 73 Resp: 230891
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

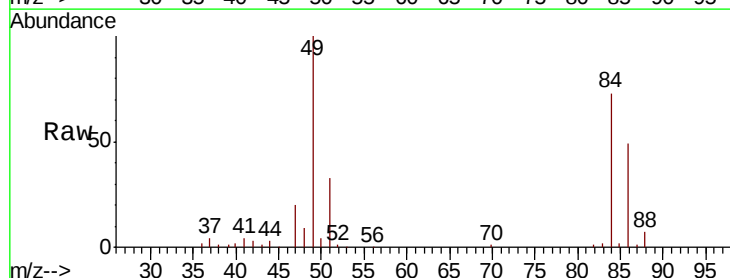


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

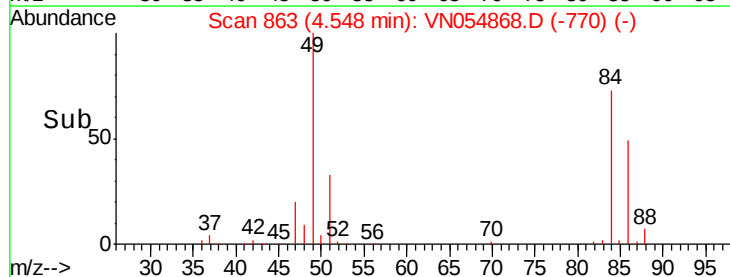
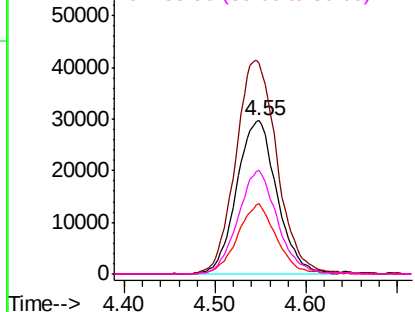


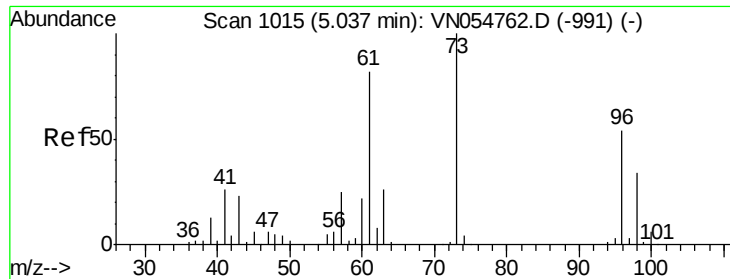
#20
Methylene Chloride
Concen: 22.290 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 84 Resp: 91429
Ion Ratio Lower Upper
84 100
49 137.2 89.7 134.5#
51 45.5 28.2 42.4#
86 67.4 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

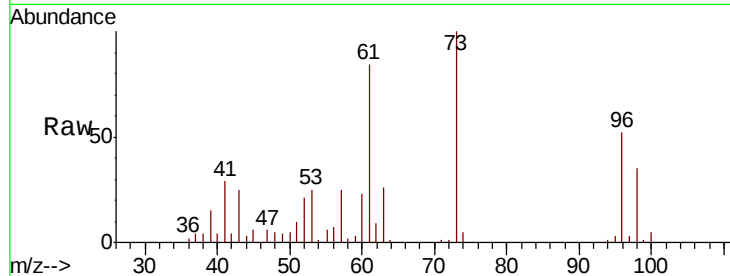




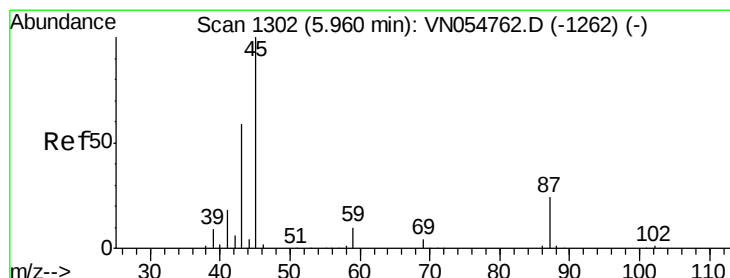
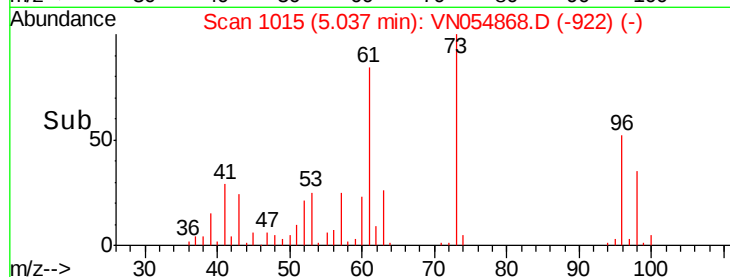
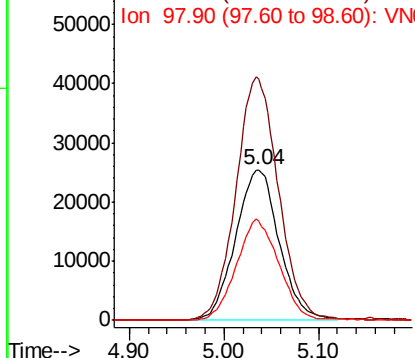
#21
trans-1,2-Dichloroethene
Concen: 21.818 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

Tot Ion: 96 Resp: 81488
Ion Ratio Lower Upper
96 100
61 160.3 102.8 154.2#
98 65.9 50.0 75.0

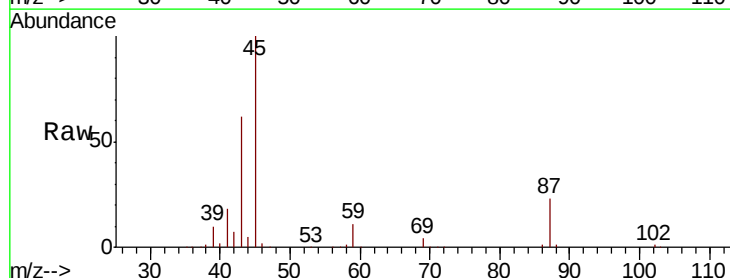


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

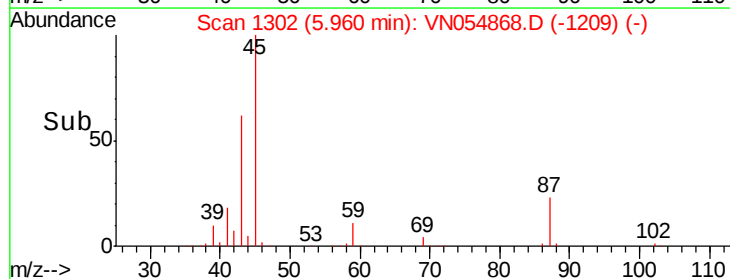
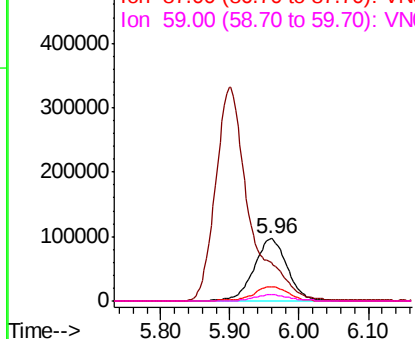


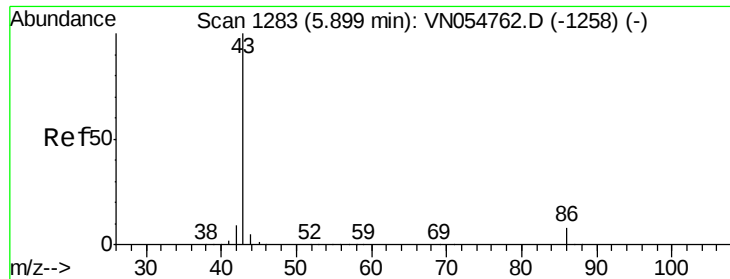
#22
Diisopropyl ether
Concen: 23.324 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 45 Resp: 323099
Ion Ratio Lower Upper
45 100
43 60.7 48.2 72.2
87 22.9 24.9 37.3#
59 10.6 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

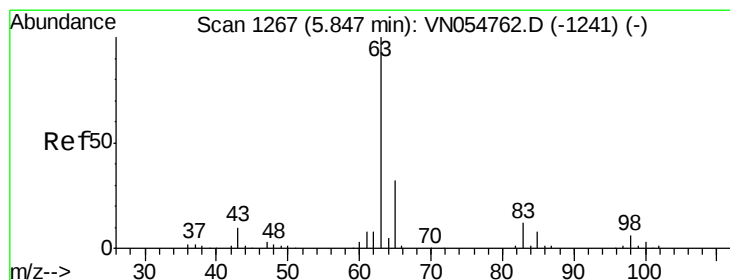
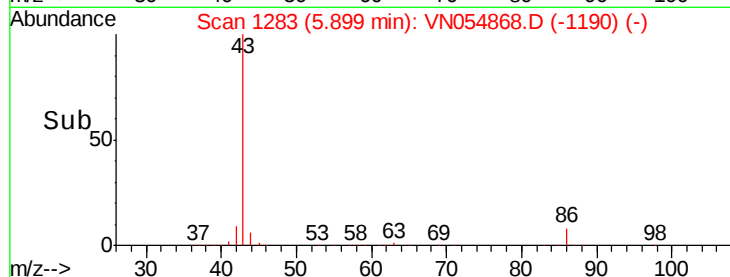
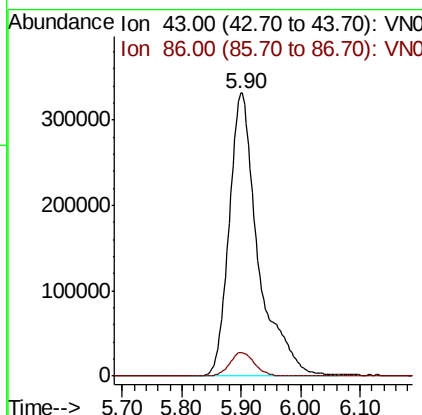
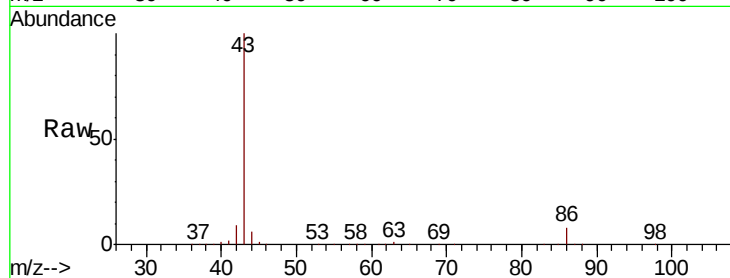




#23
 Vinyl Acetate
 Concen: 117.072 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

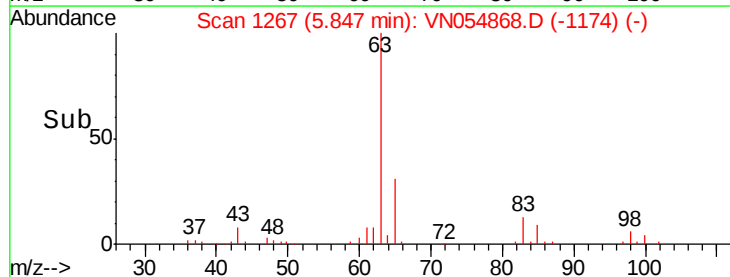
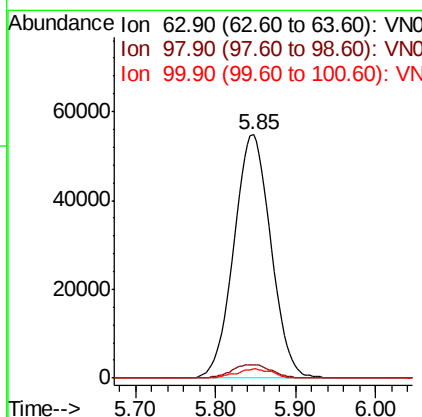
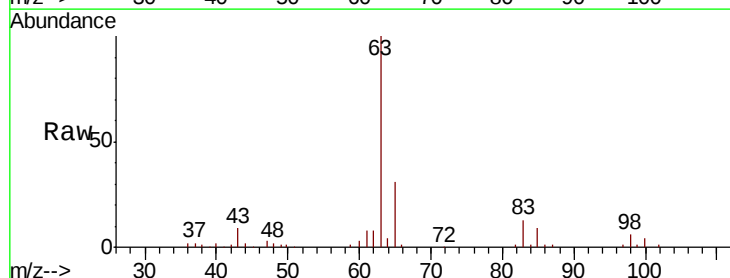
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

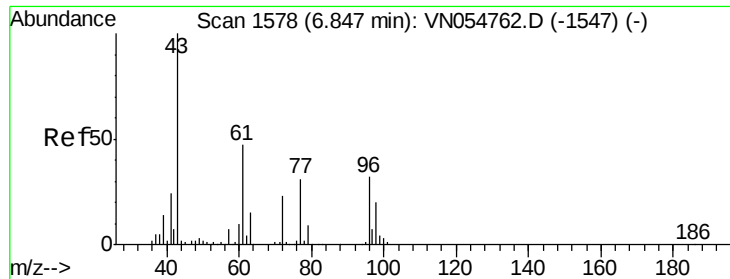
Tot Ion: 43 Resp: 1128598
 Ion Ratio Lower Upper
 43 100
 86 8.3 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 23.231 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 63 Resp: 171670
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.5 10.5
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 123.214 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

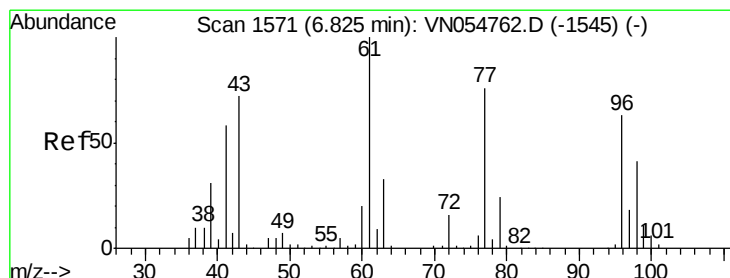
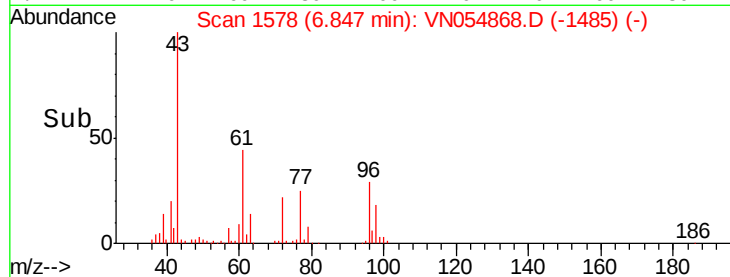
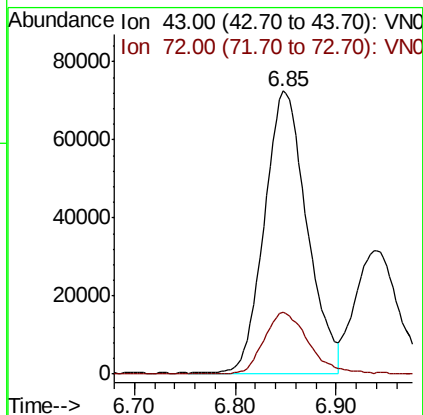
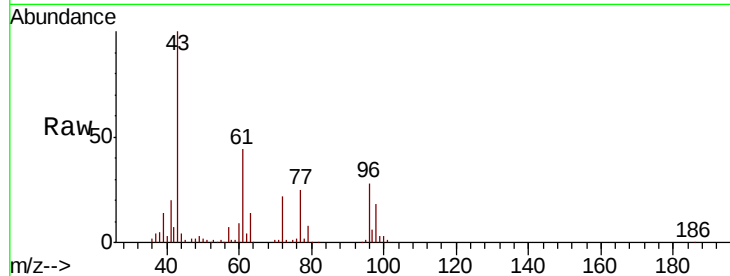
VN0401MBS01

Tot Ion: 43 Resp: 211795

Ion Ratio Lower Upper

43 100

72 21.8 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 22.151 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054868.D

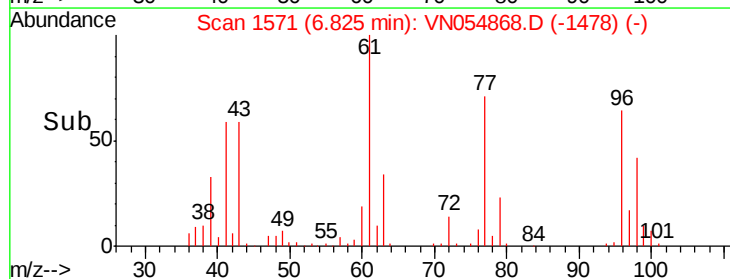
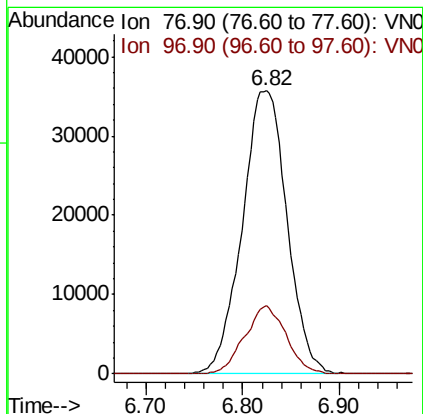
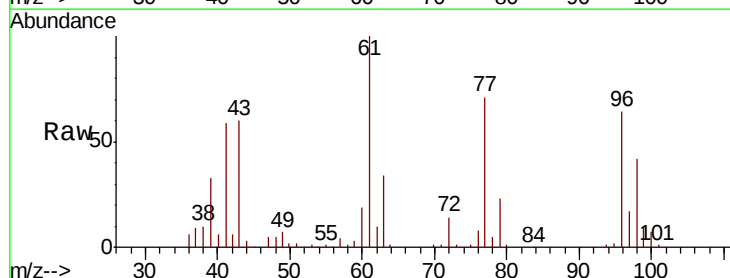
Acq: 1 Apr 2019 12:26

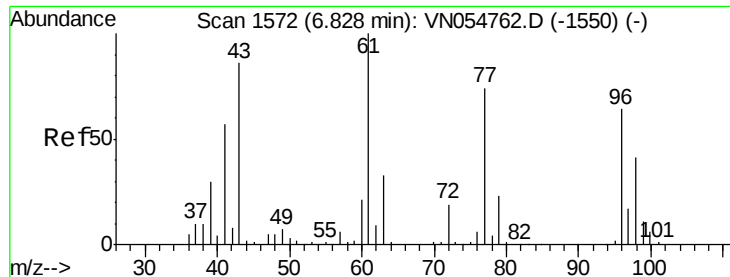
Tgt Ion: 77 Resp: 114728

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.983 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

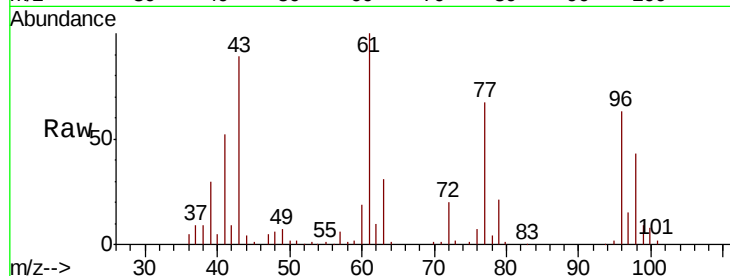
Tot Ion: 96 Resp: 96971

Ion Ratio Lower Upper

96 100

61 158.5 0.0 273.0

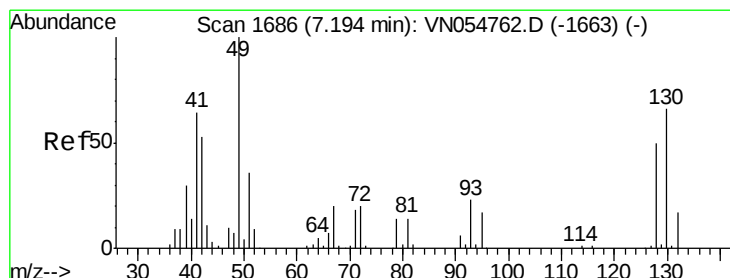
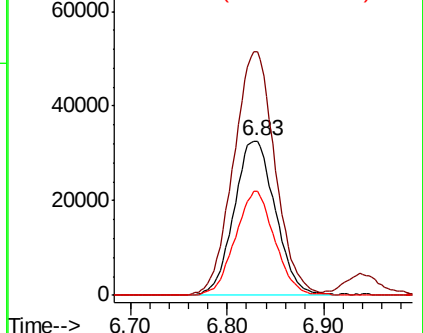
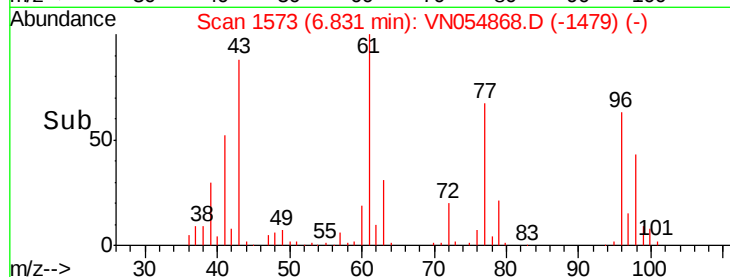
98 64.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.074 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

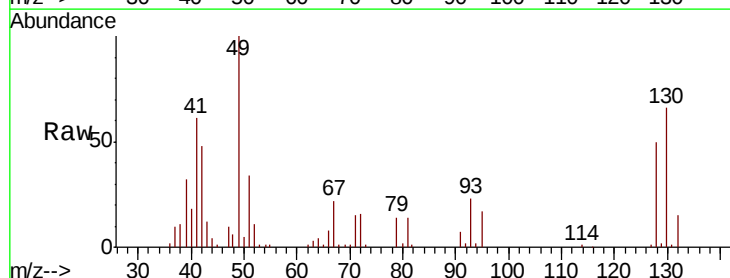
Tgt Ion: 49 Resp: 81566

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

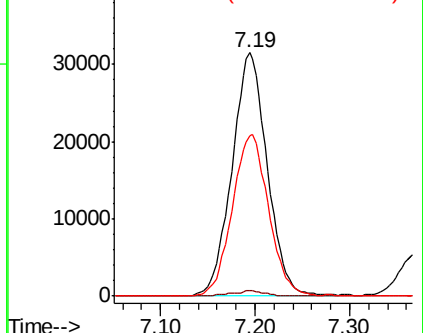
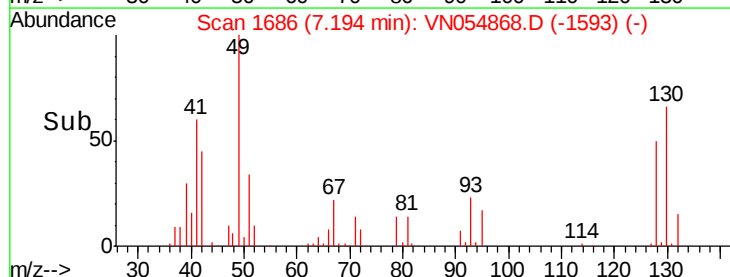
130 68.2 76.7 115.1#

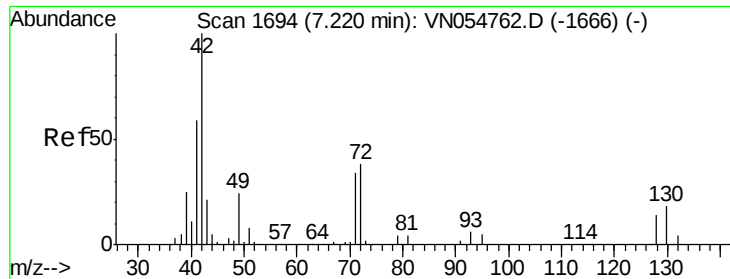


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

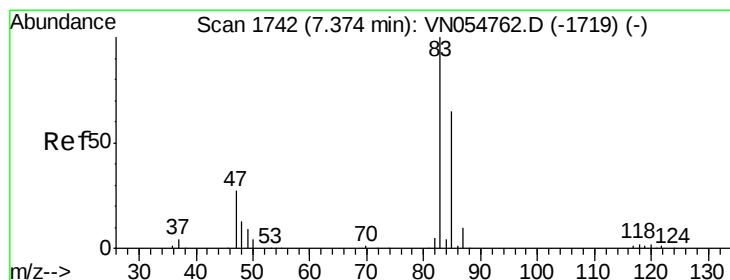
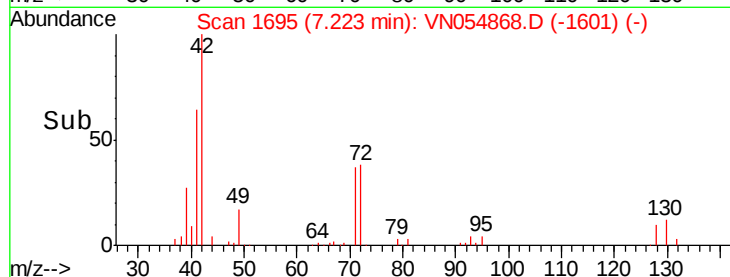
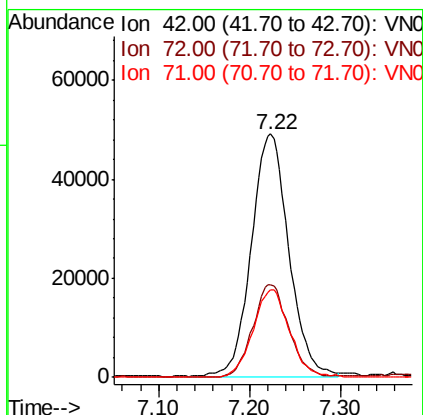
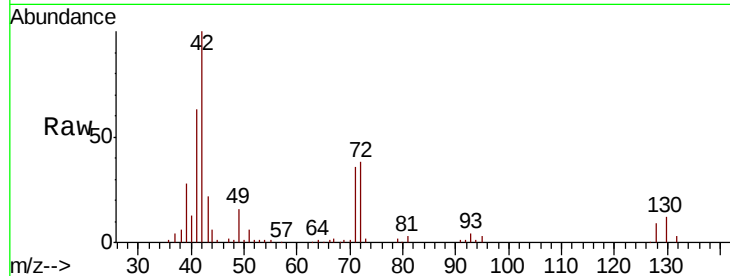




#29
Tetrahydrofuran
Concen: 117.083 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

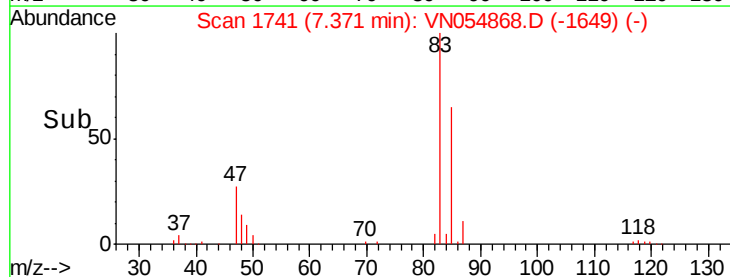
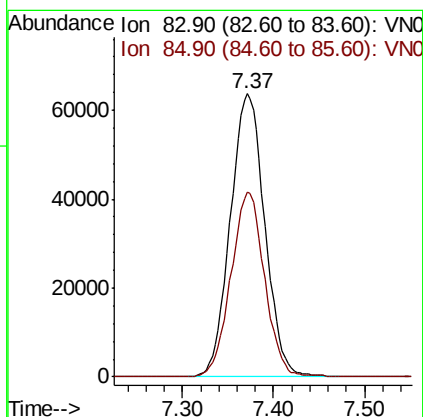
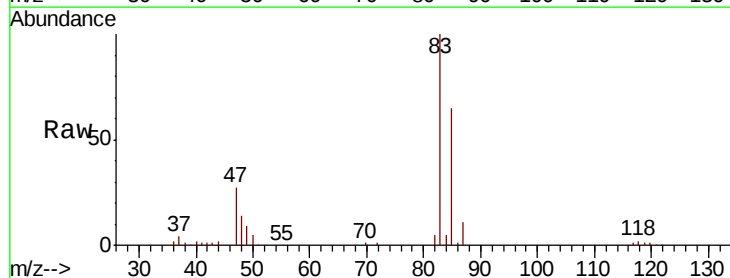
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

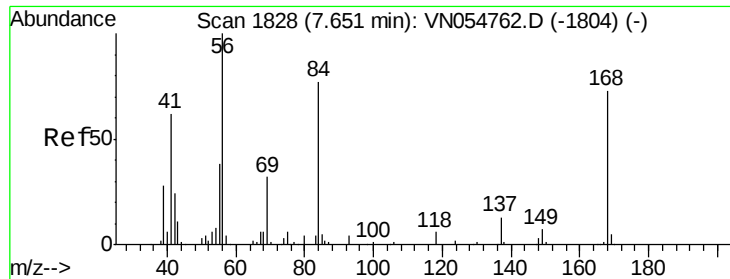
Tot Ion: 42 Resp: 139782
Ion Ratio Lower Upper
42 100
72 36.6 37.8 56.6#
71 35.5 36.2 54.2#



#30
Chloroform
Concen: 23.771 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 83 Resp: 167499
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.4

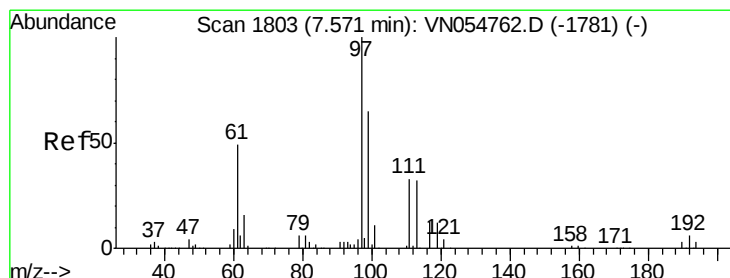
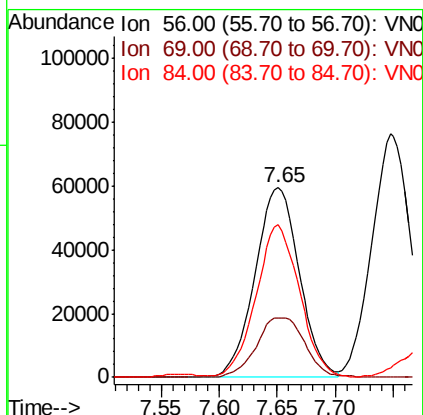
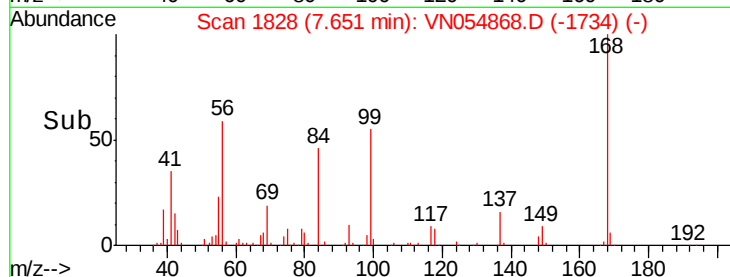
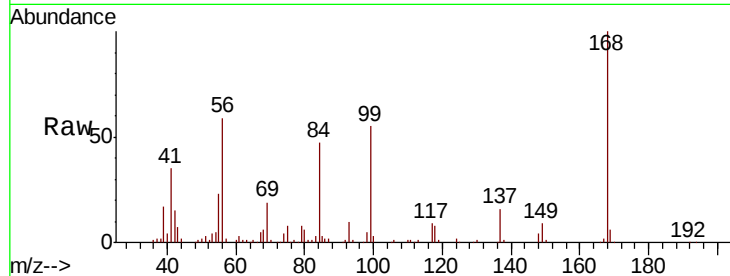




#31
Cyclohexane
Concen: 22.443 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

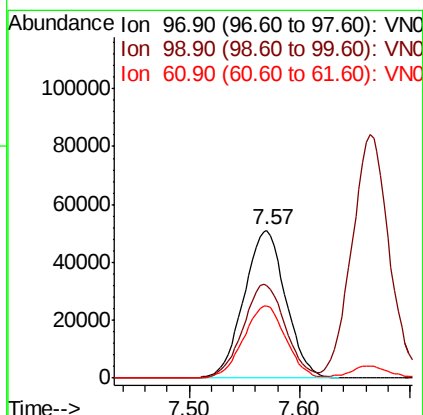
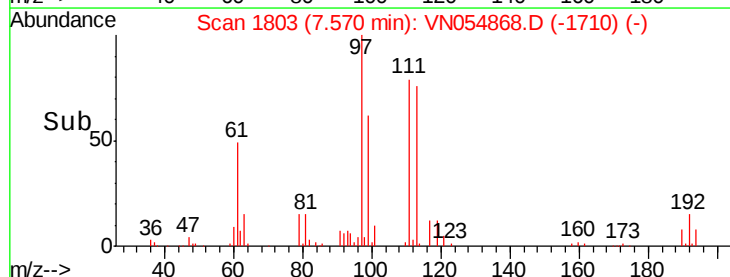
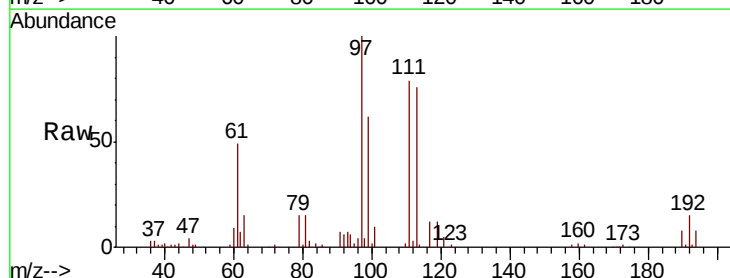
Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

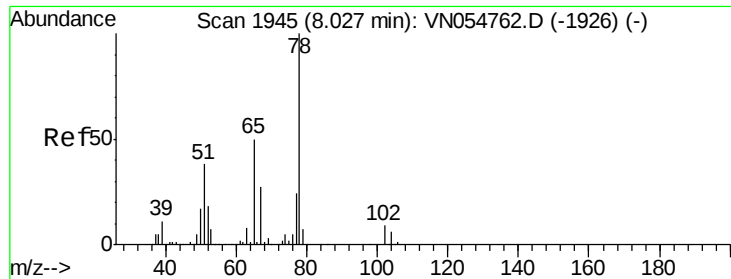
Tot Ion: 56 Resp: 158762
Ion Ratio Lower Upper
56 100
69 31.5 27.8 41.6
84 78.7 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 22.922 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 97 Resp: 133850
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 49.4 33.6 50.4

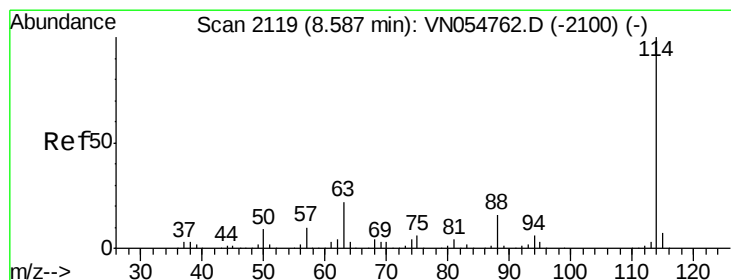
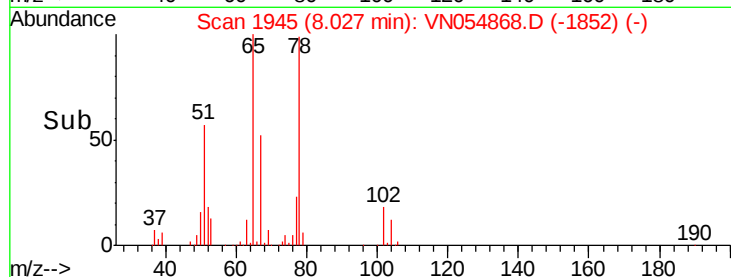
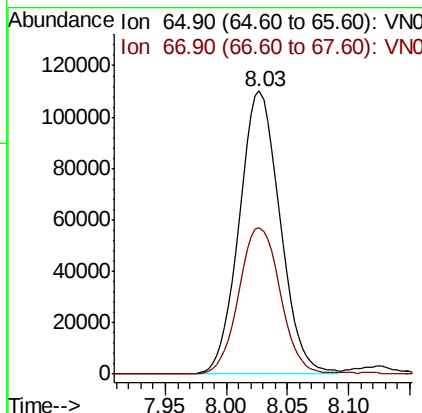
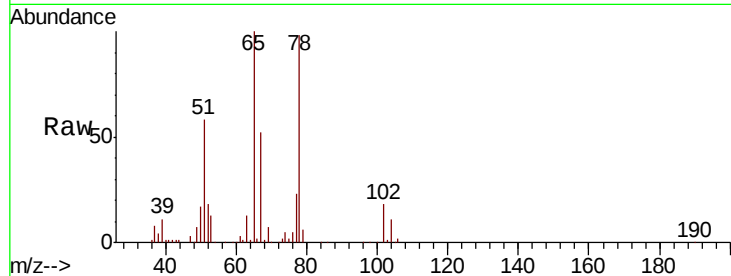




#33
 1,2-Dichloroethane-d4
 Concen: 52.346 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

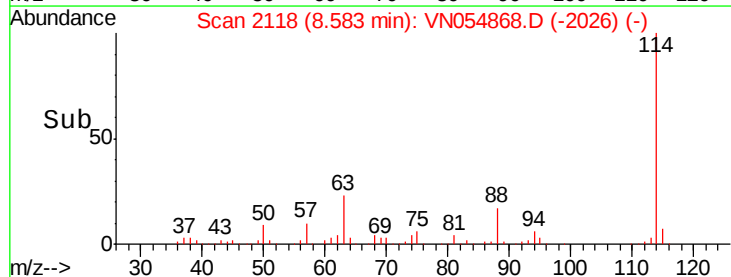
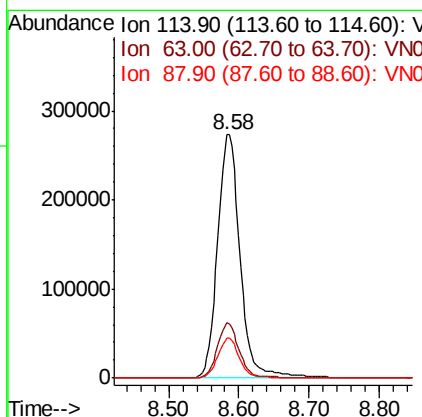
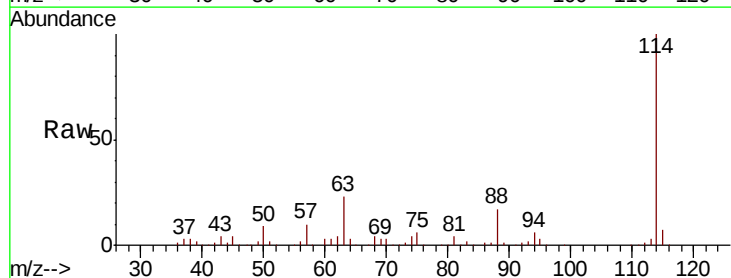
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

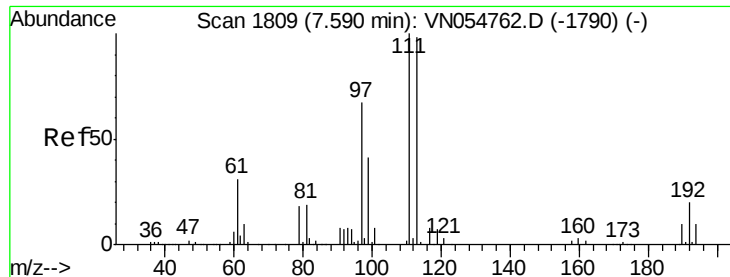
Tot Ion: 65 Resp: 255261
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 114 Resp: 610535
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 35.2
 88 16.5 0.0 30.2

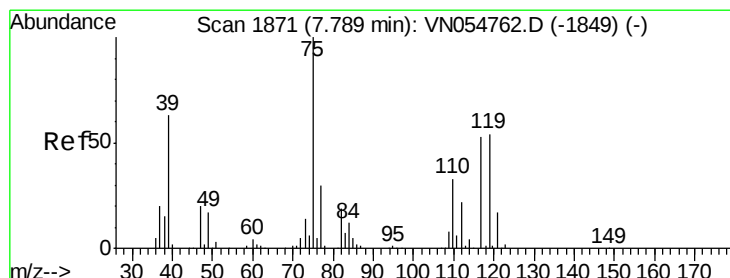
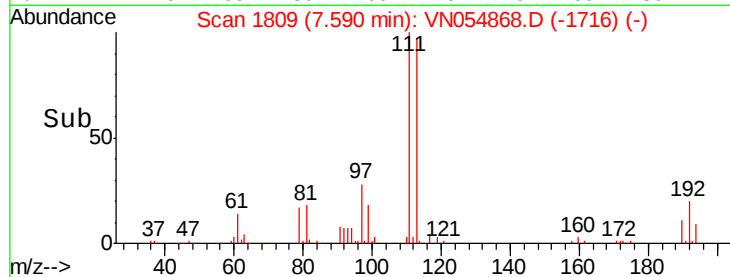
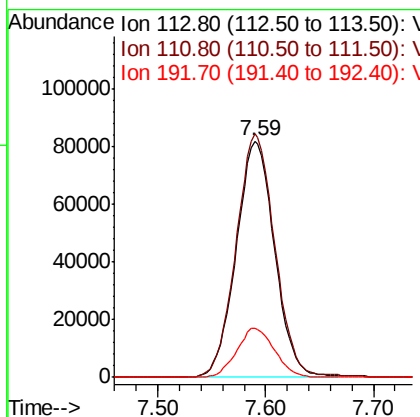
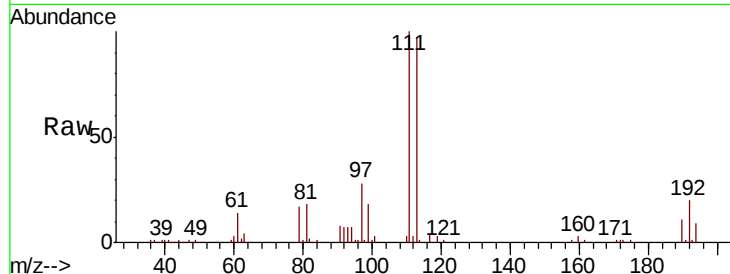




#35
 Dibromofluoromethane
 Concen: 49.924 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

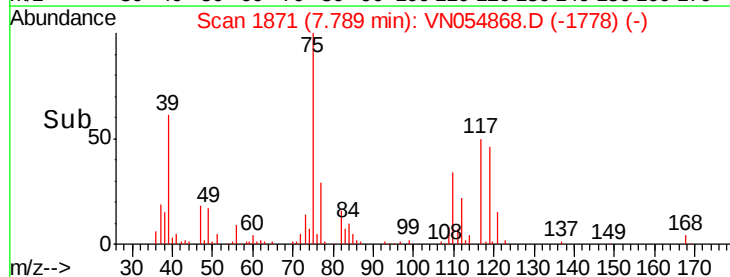
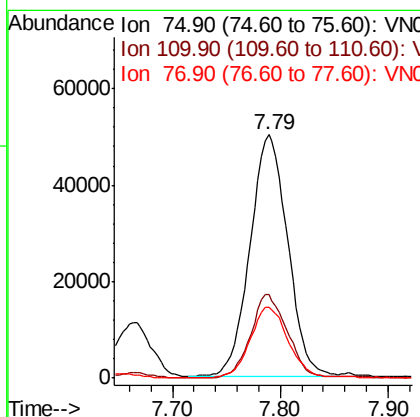
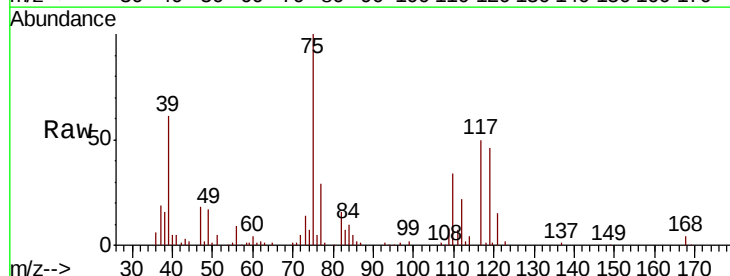
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

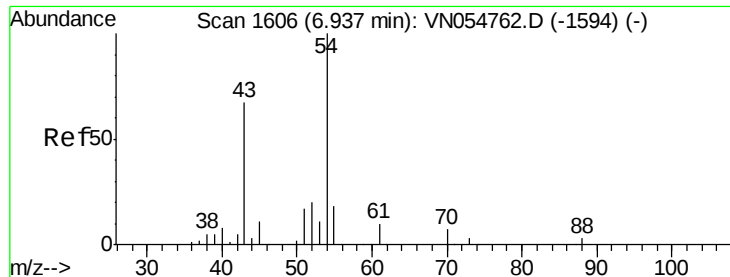
Tot Ion:113 Resp: 203211
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 20.5 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 21.339 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 75 Resp: 121395
 Ion Ratio Lower Upper
 75 100
 110 33.7 19.1 57.5
 77 30.1 25.0 37.4

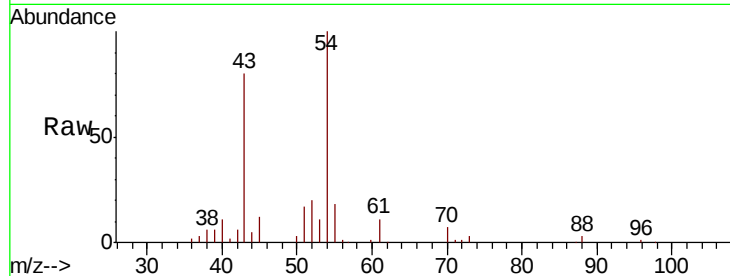




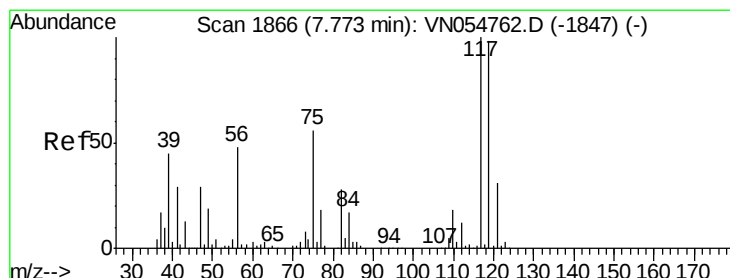
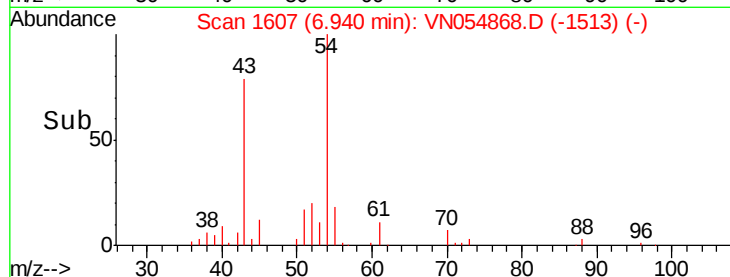
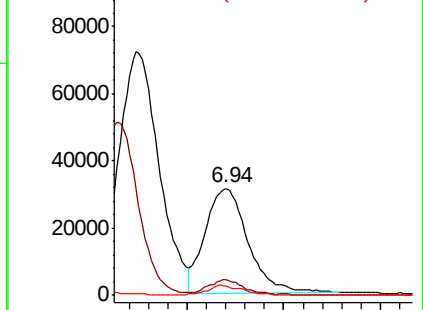
#37
Ethyl Acetate
Concen: 23.170 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion: 43 Resp: 96662
Ion Ratio Lower Upper
43 100
61 11.3 11.8 17.6#
70 8.2 8.4 12.6#

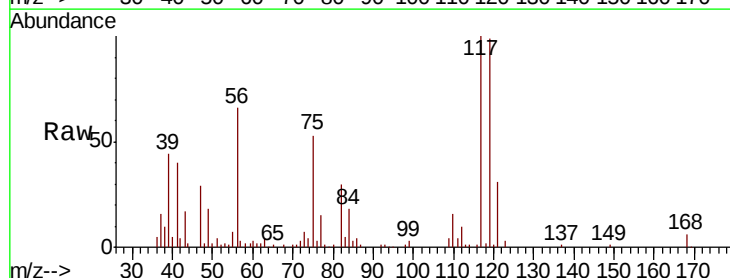


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

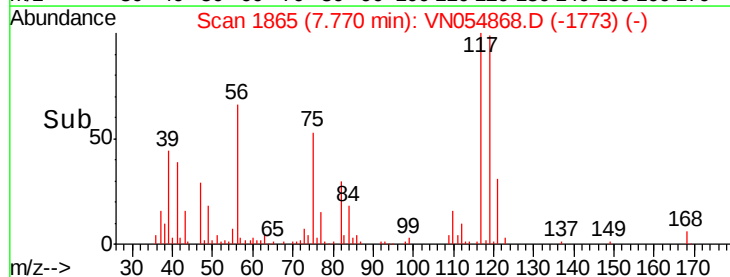
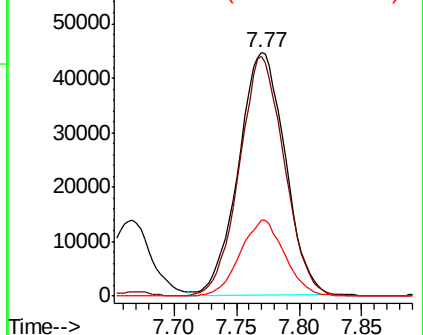


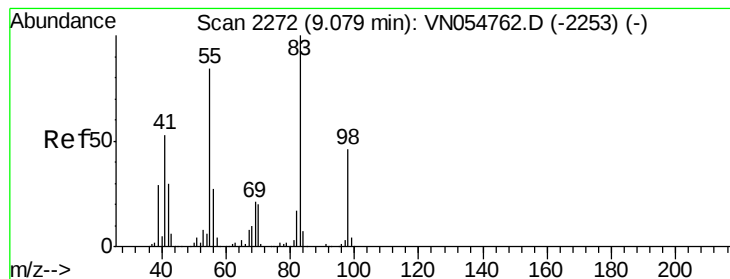
#38
Carbon Tetrachloride
Concen: 20.830 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 117 Resp: 115096
Ion Ratio Lower Upper
117 100
119 98.8 76.3 114.5
121 31.1 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

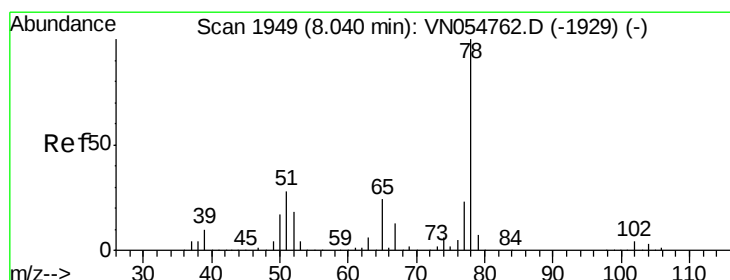
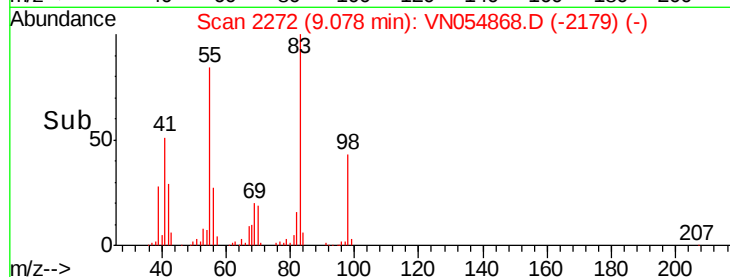
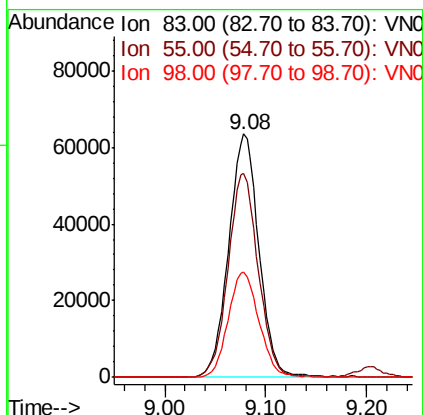
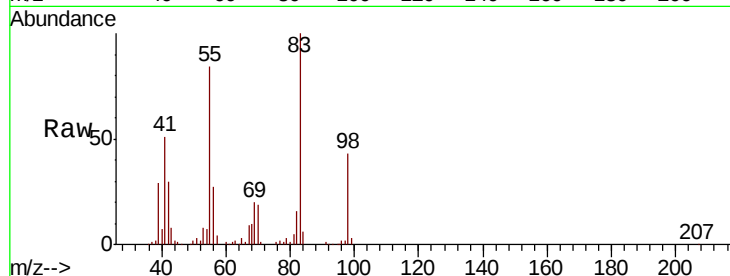




#39
Methvlcvclohexane
Concen: 21.156 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

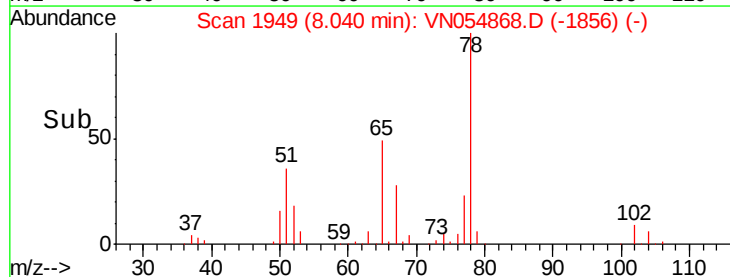
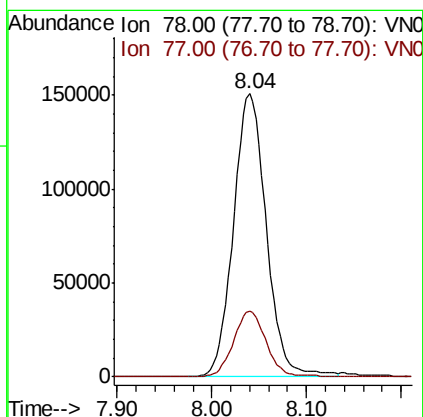
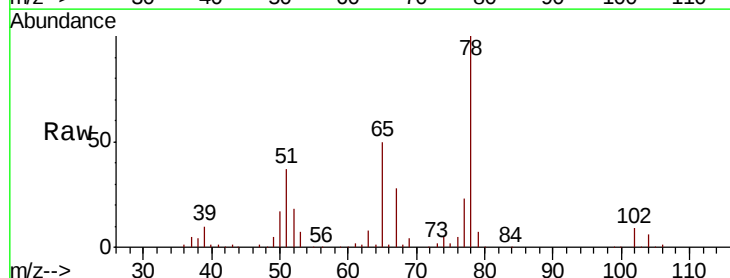
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

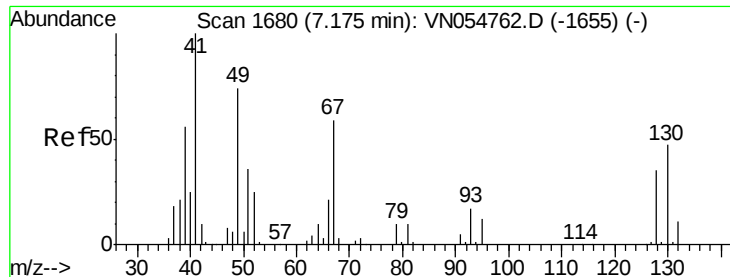
Tot Ion: 83 Resp: 132316
Ion Ratio Lower Upper
83 100
55 83.9 56.6 84.8
98 43.1 38.4 57.6



#40
Benzene
Concen: 22.436 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 78 Resp: 365229
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

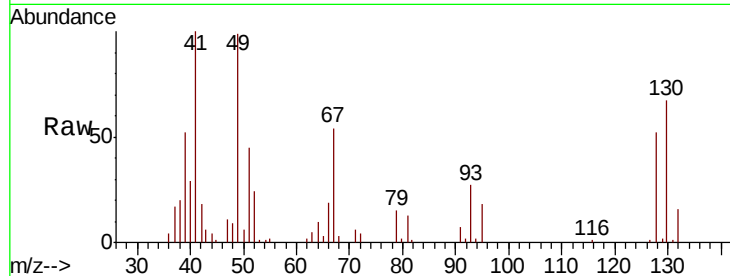




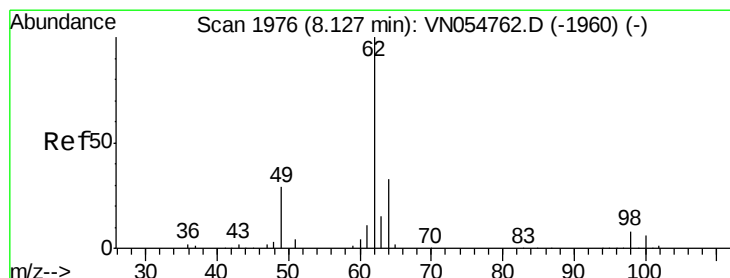
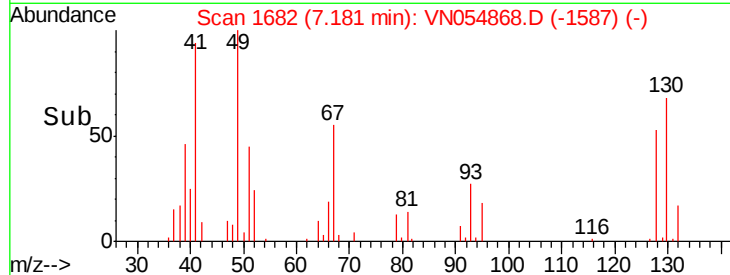
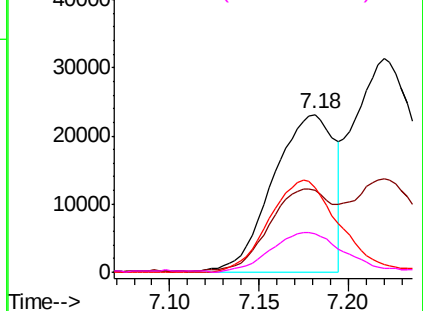
#41
Methacrylonitrile
Concen: 23.684 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion: 41 Resp: 55506
Ion Ratio Lower Upper
41 100
39 55.1 46.8 70.2
67 67.3 67.0 100.4
52 30.4 26.5 39.7

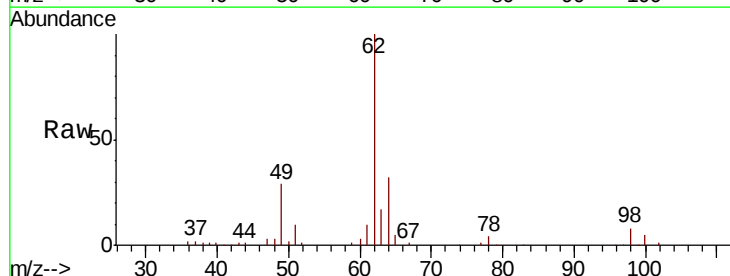


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

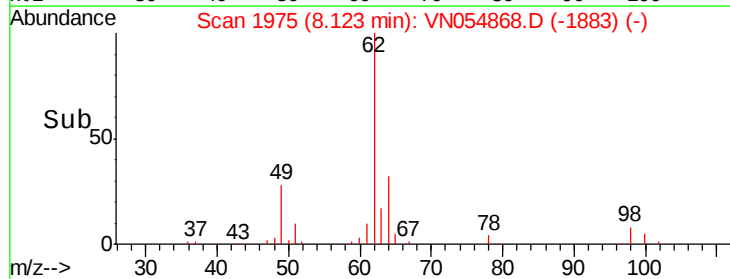
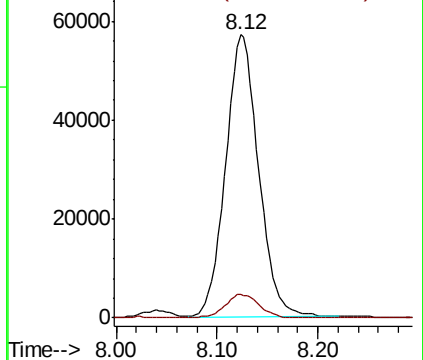


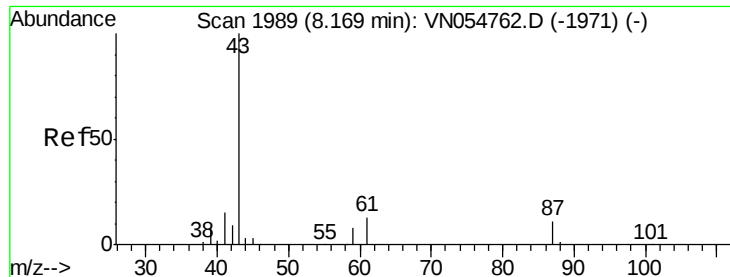
#42
1,2-Dichloroethane
Concen: 22.407 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 62 Resp: 130237
Ion Ratio Lower Upper
62 100
98 8.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 22.829 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

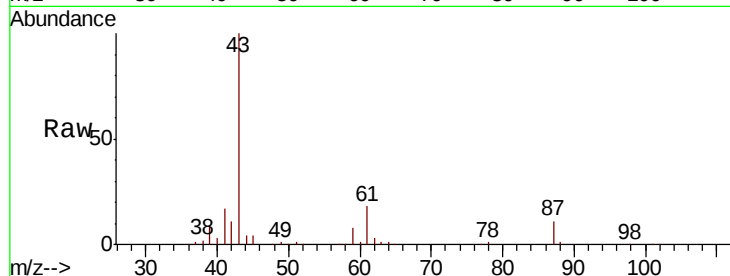
Tot Ion: 43 Resp: 154752

Ion Ratio Lower Upper

43 100

61 17.7 15.8 23.8

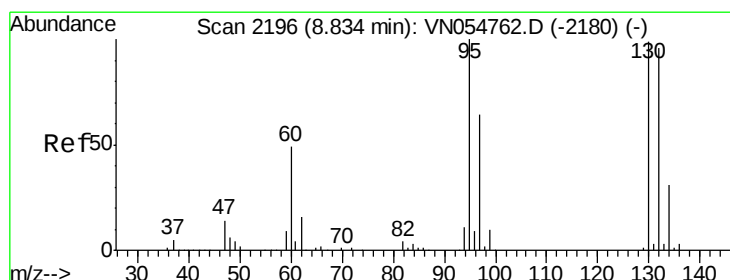
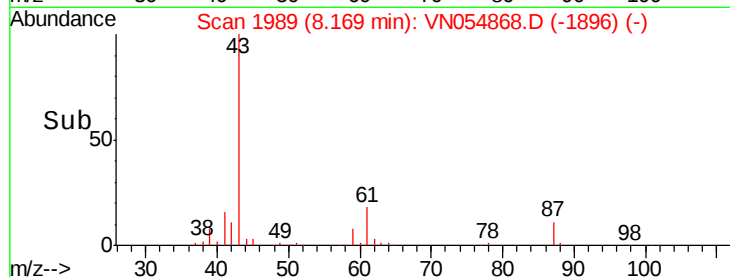
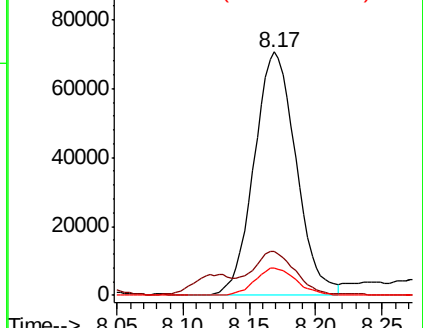
87 11.1 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054868.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054868.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054868.D (-1896) (-)



#44

Trichloroethene

Concen: 22.218 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054868.D

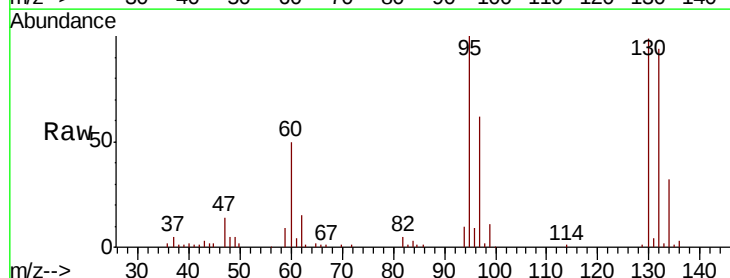
Acq: 1 Apr 2019 12:26

Tgt Ion:130 Resp: 93888

Ion Ratio Lower Upper

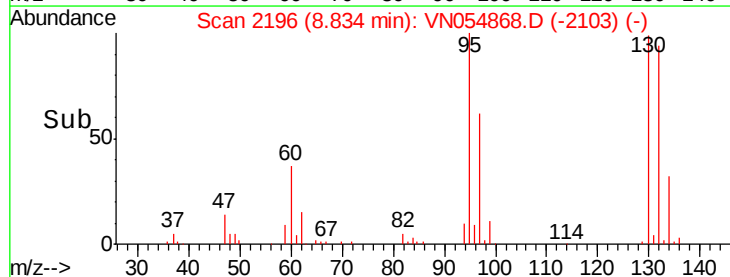
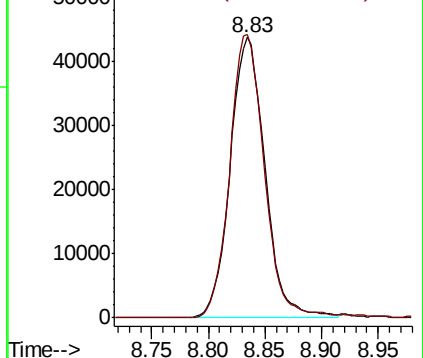
130 100

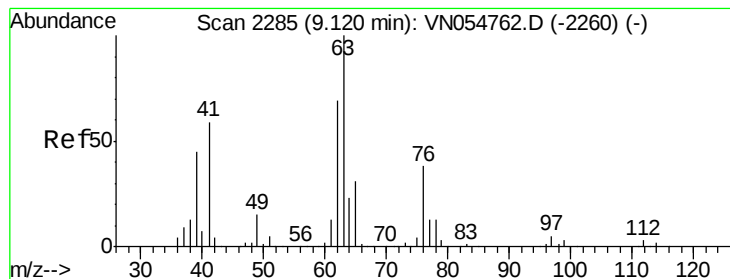
95 100.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054868.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054868.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 22.237 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

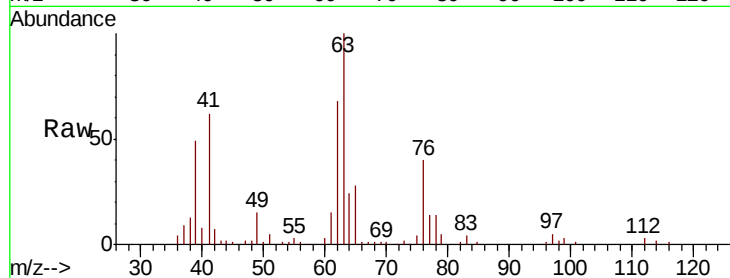
VN0401MBS01

Tot Ion: 63 Resp: 103216

Ion Ratio Lower Upper

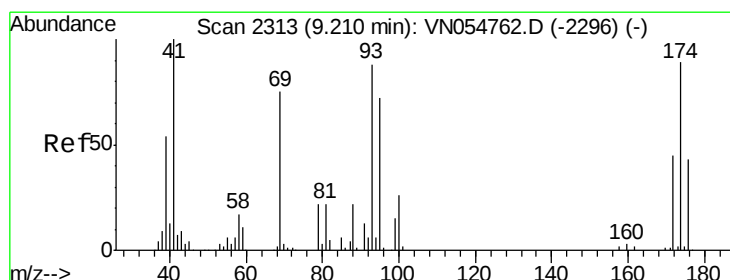
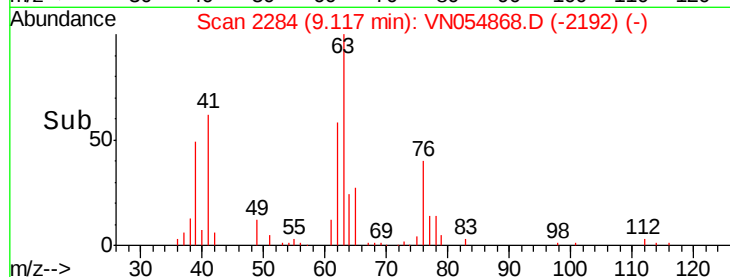
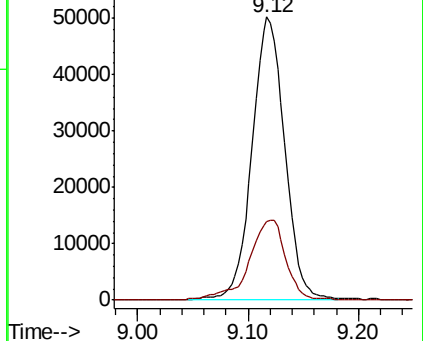
63 100

65 27.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.951 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

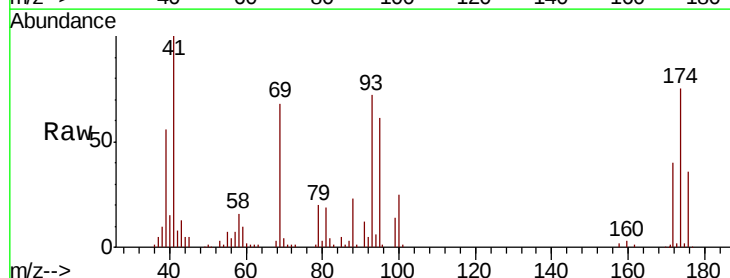
Tgt Ion: 93 Resp: 57316

Ion Ratio Lower Upper

93 100

95 85.8 66.7 100.1

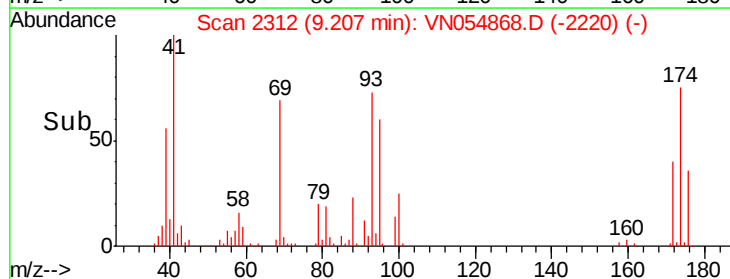
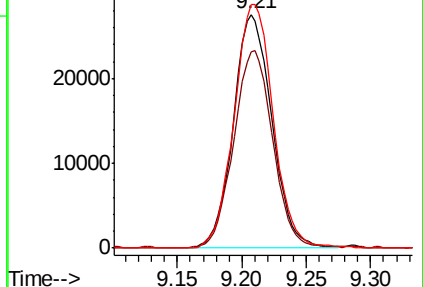
174 106.0 98.5 147.7

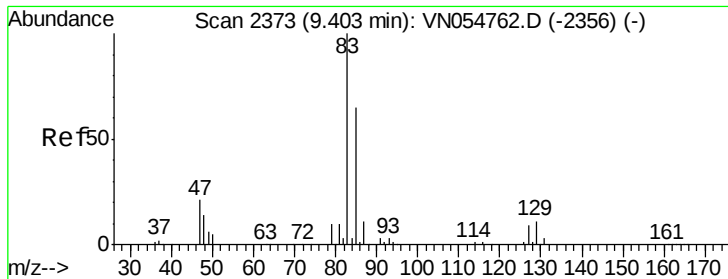


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.521 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

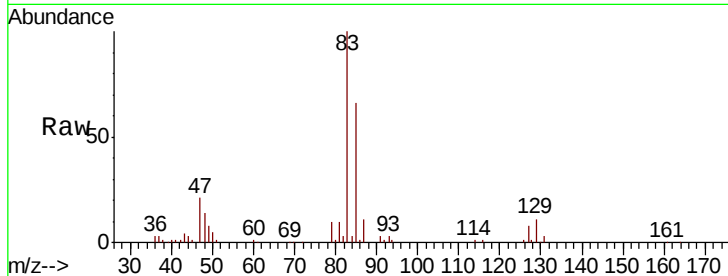
Tot Ion: 83 Resp: 122211

Ion Ratio Lower Upper

83 100

85 65.9 52.8 79.2

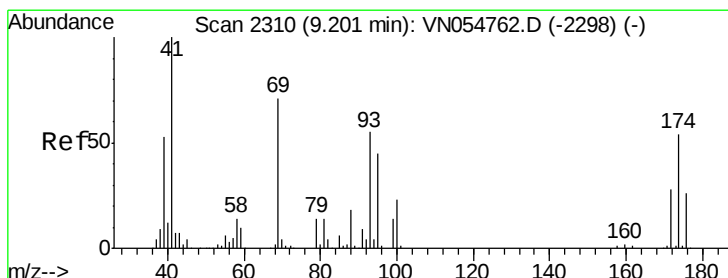
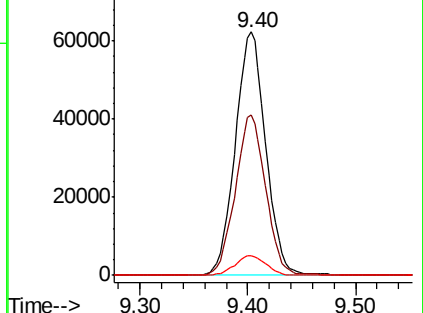
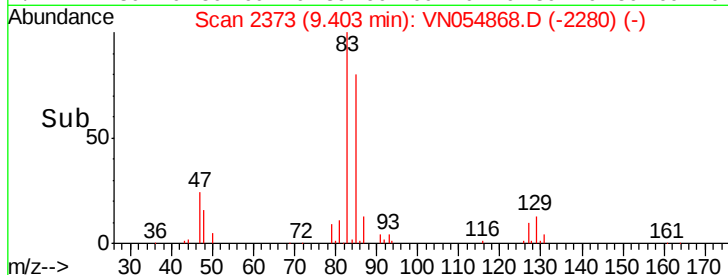
127 7.9 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.612 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

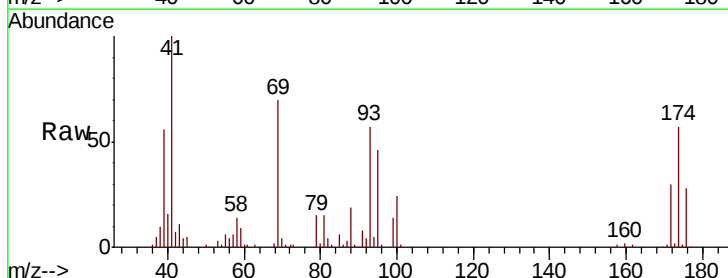
Tgt Ion: 41 Resp: 79415

Ion Ratio Lower Upper

41 100

69 74.3 72.6 108.8

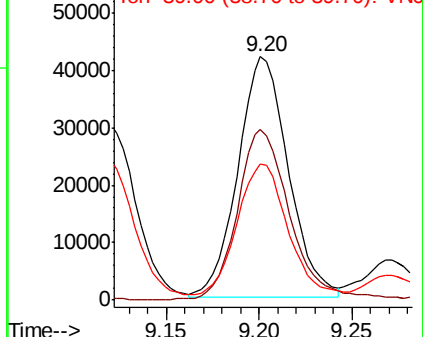
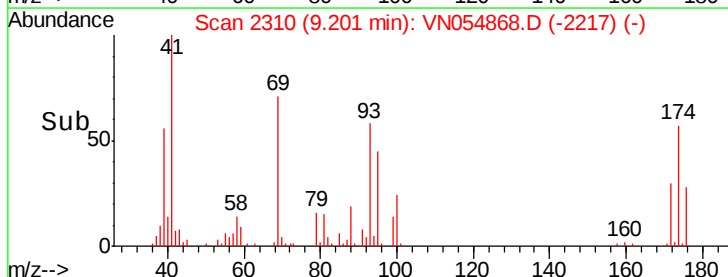
39 57.9 47.5 71.3

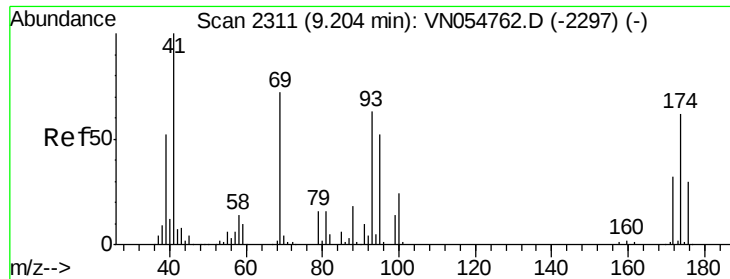


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 512.177 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

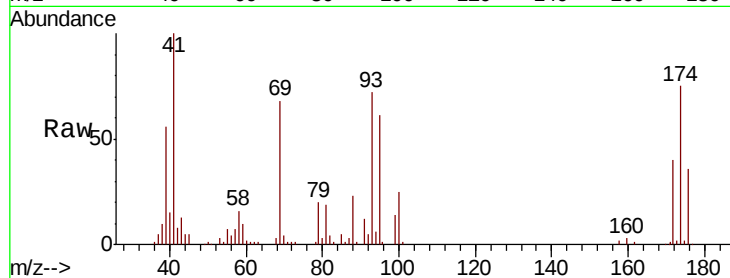
Tot Ion: 88 Resp: 18674

Ion Ratio Lower Upper

88 100

43 44.2 24.1 36.1#

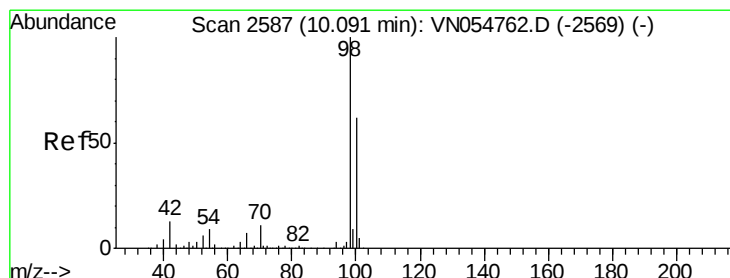
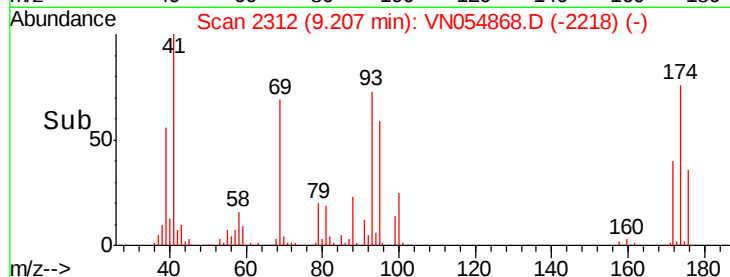
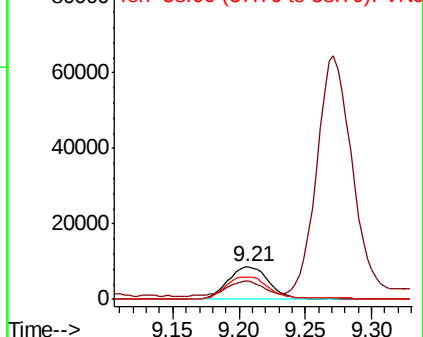
58 73.0 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054868.D (-2312) (-)

Ion 43.00 (42.70 to 43.70): VN054868.D (-2312) (-)

Ion 58.00 (57.70 to 58.70): VN054868.D (-2312) (-)



#50

Toluene-d8

Concen: 48.898 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054868.D

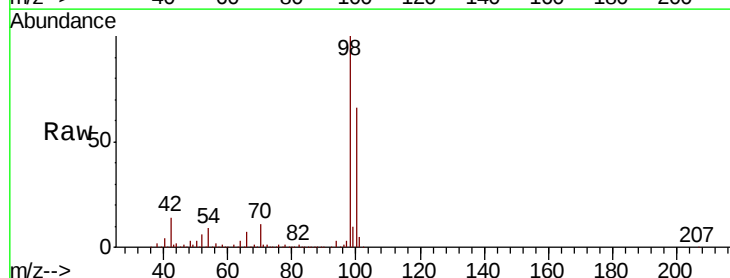
Acq: 1 Apr 2019 12:26

Tgt Ion: 98 Resp: 739969

Ion Ratio Lower Upper

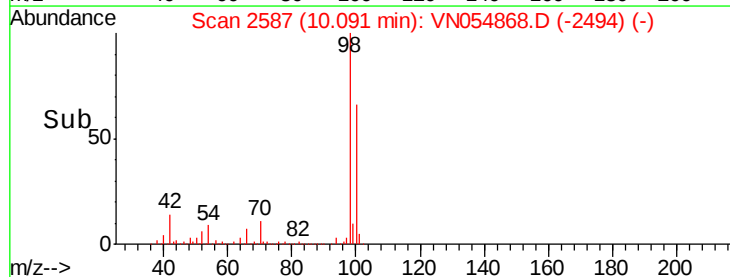
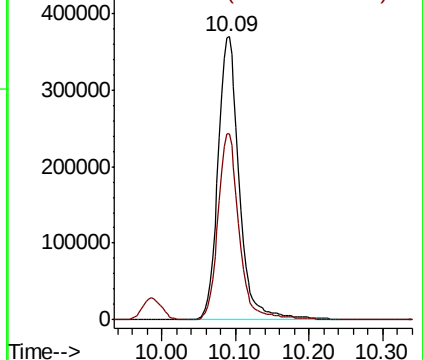
98 100

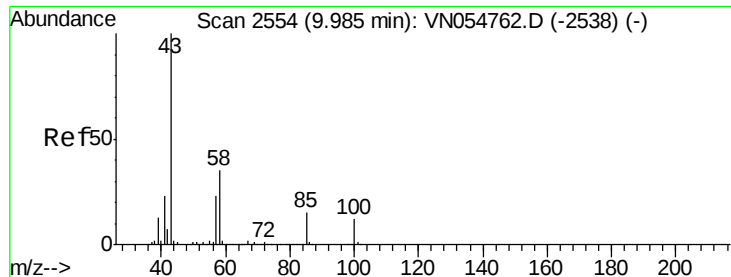
100 65.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054868.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN054868.D (-2587) (-)





#51

4-Methyl-2-Pentanone

Concen: 115.689 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

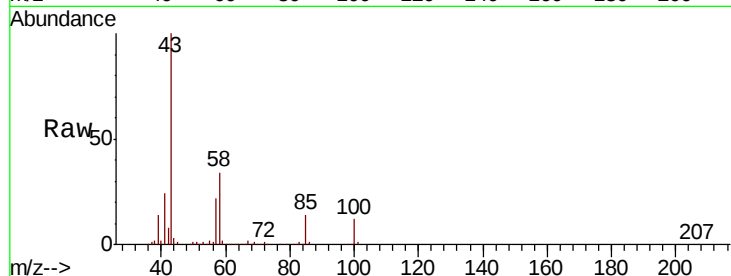
VN0401MBS01

Tot Ion: 43 Resp: 440911

Ion Ratio Lower Upper

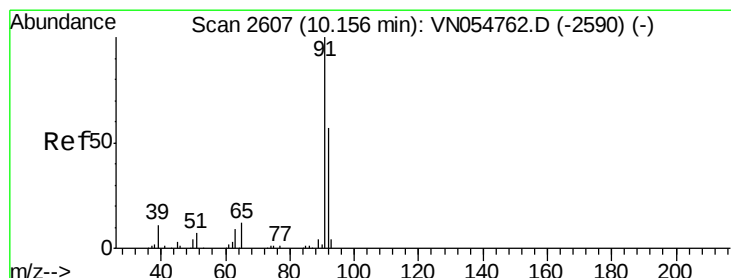
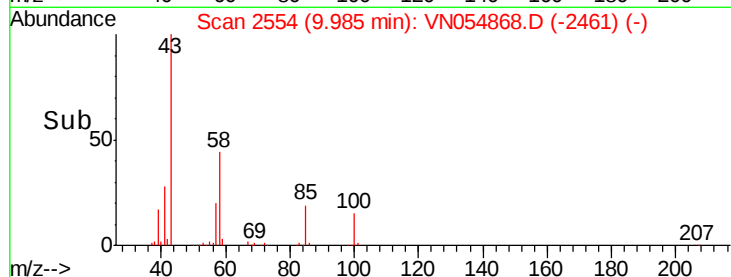
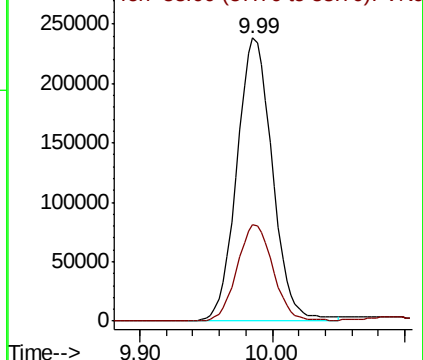
43 100

58 34.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 22.013 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054868.D

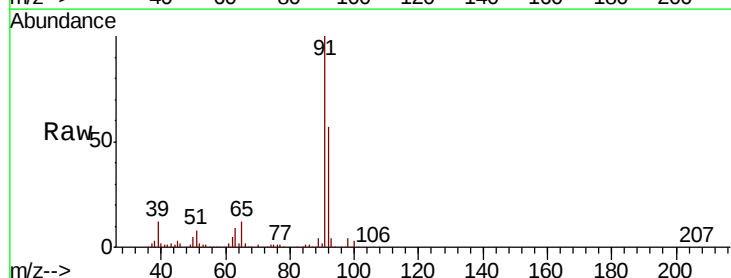
Acq: 1 Apr 2019 12:26

Tgt Ion: 92 Resp: 213226

Ion Ratio Lower Upper

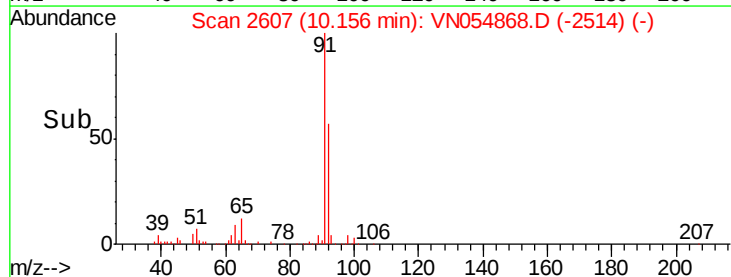
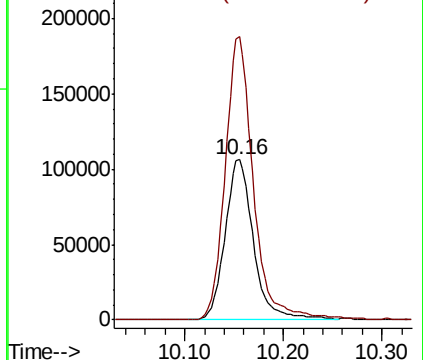
92 100

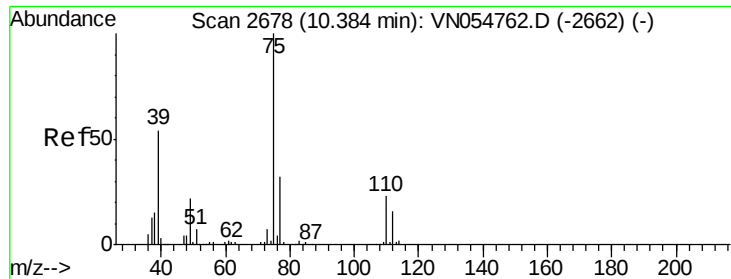
91 177.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.850 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

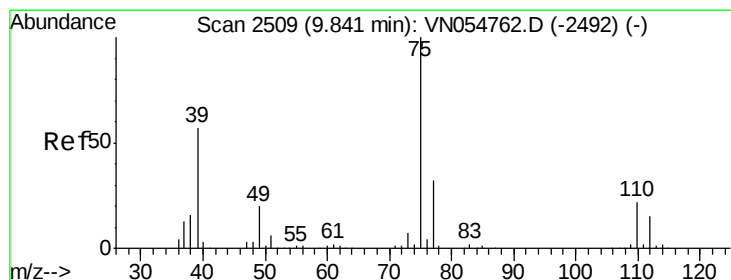
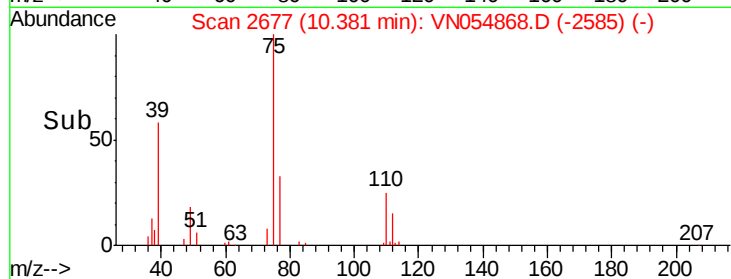
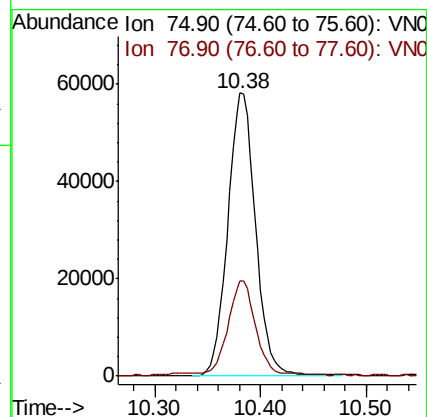
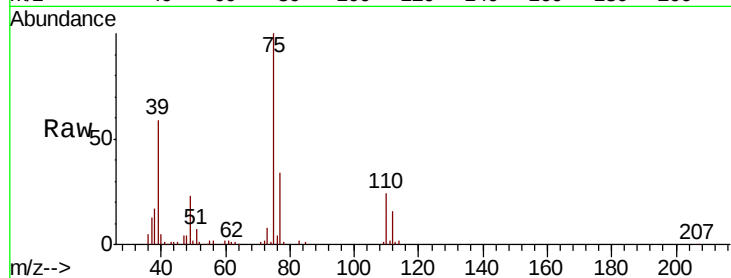
VN0401MBS01

Tot Ion: 75 Resp: 106432

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 22.121 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

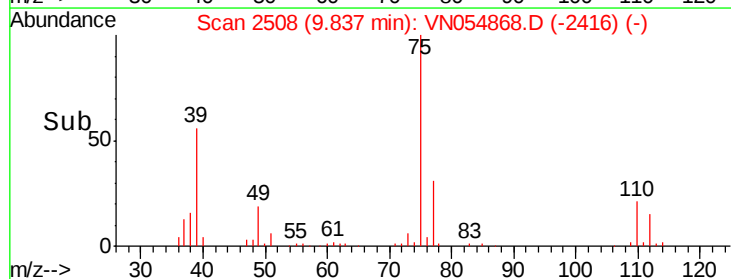
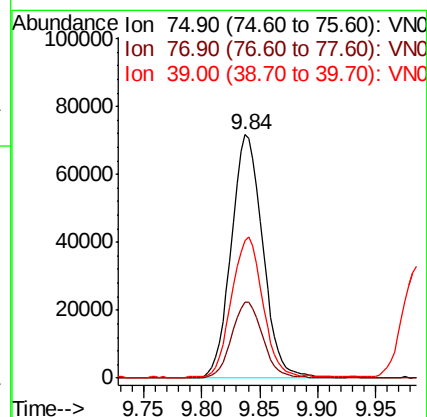
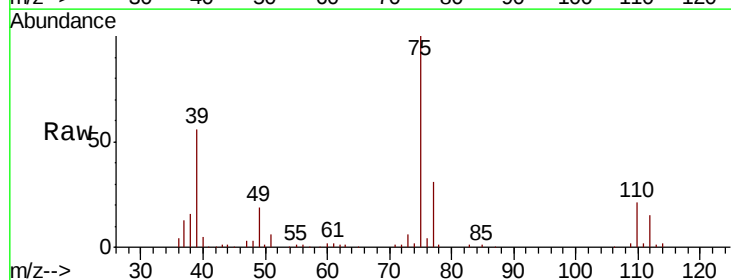
Tgt Ion: 75 Resp: 134892

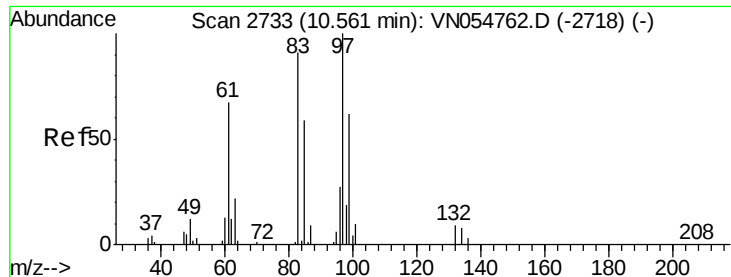
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 55.7 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 22.871 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

Tot Ion: 97 Resp: 82374

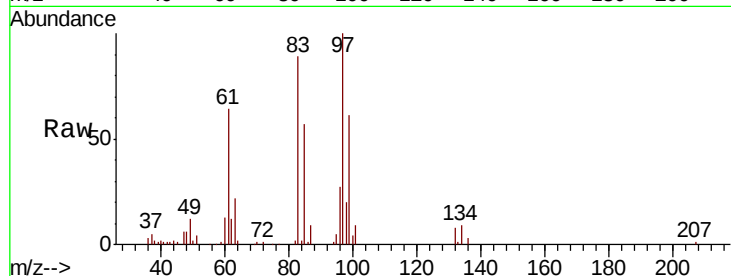
Ion Ratio Lower Upper

97 100

83 88.7 66.6 100.0

85 56.9 44.4 66.6

99 61.3 50.8 76.2

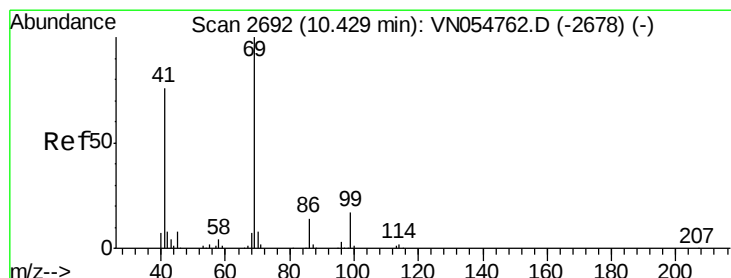
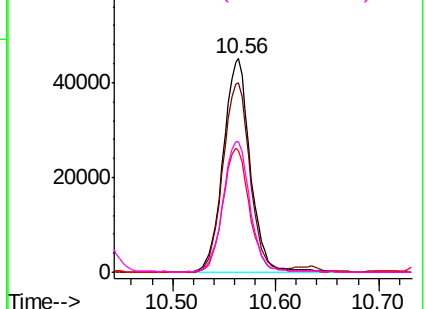
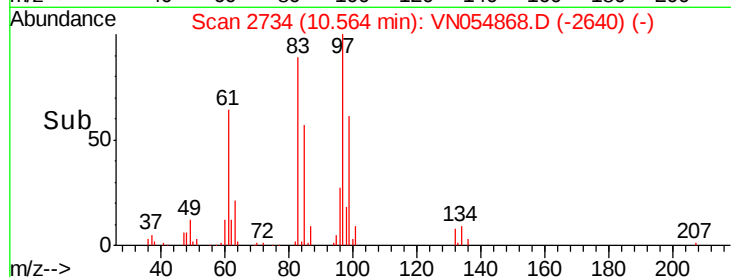


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 22.103 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

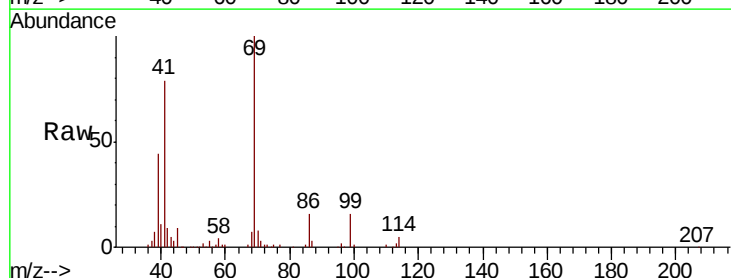
Tgt Ion: 69 Resp: 104432

Ion Ratio Lower Upper

69 100

41 75.7 49.4 74.2#

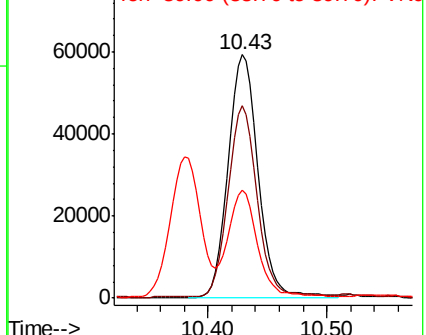
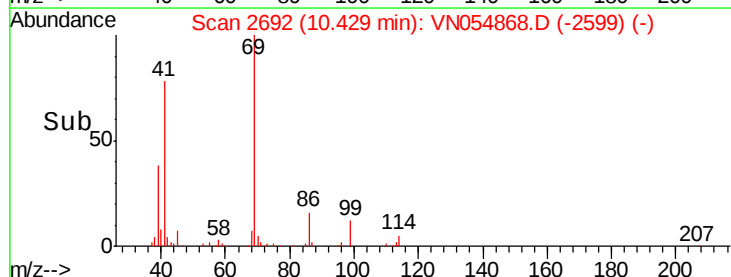
39 42.2 28.3 42.5

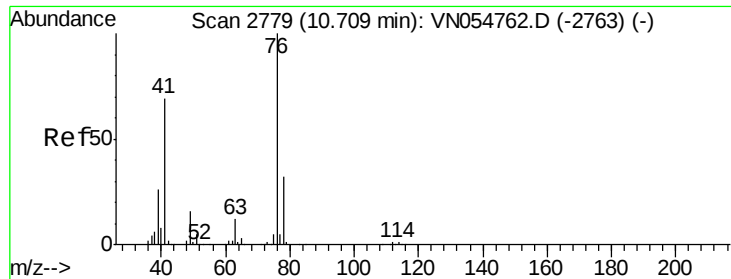


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

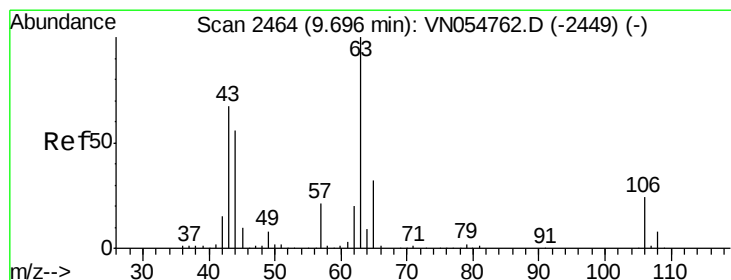
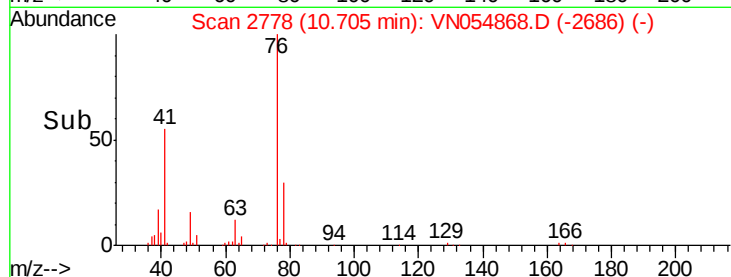
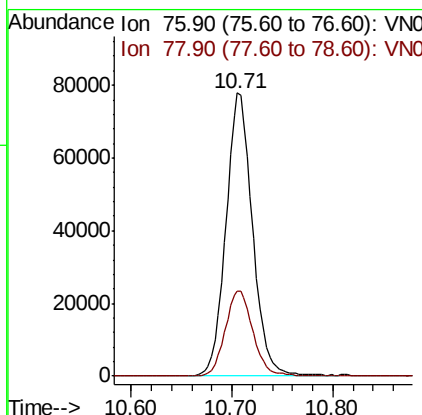
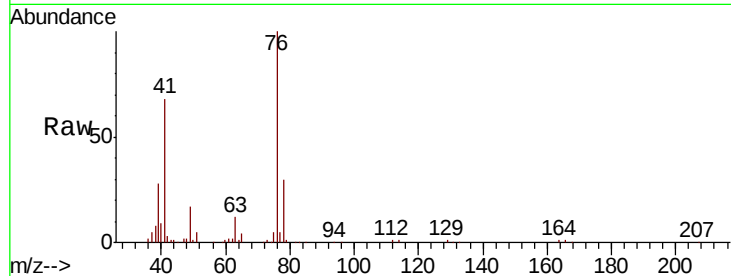




#57
 1,3-Dichloropropane
 Concen: 23.170 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

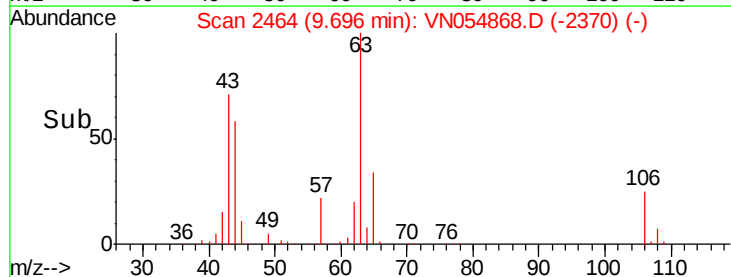
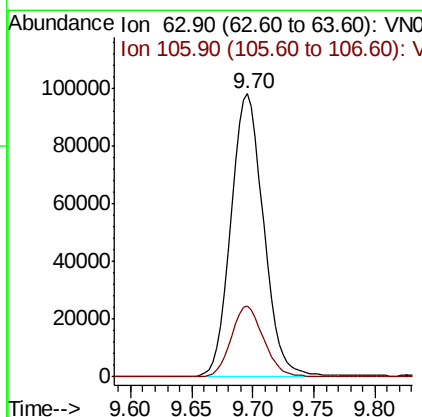
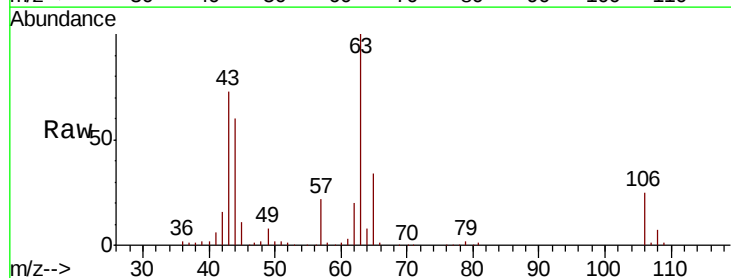
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

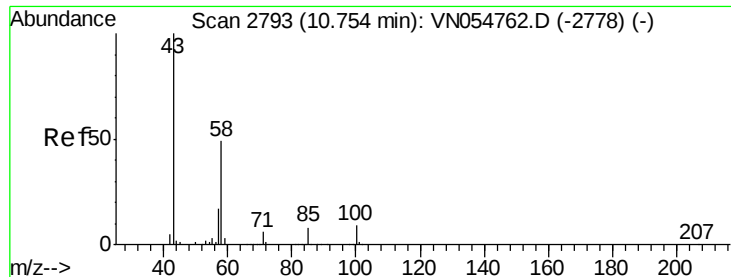
Tot Ion: 76 Resp: 143471
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.569 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 63 Resp: 183046
 Ion Ratio Lower Upper
 63 100
 106 24.8 24.4 36.6

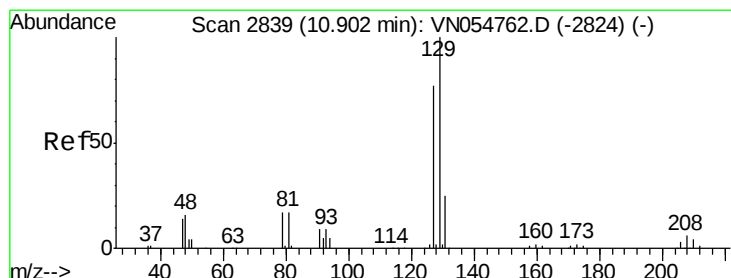
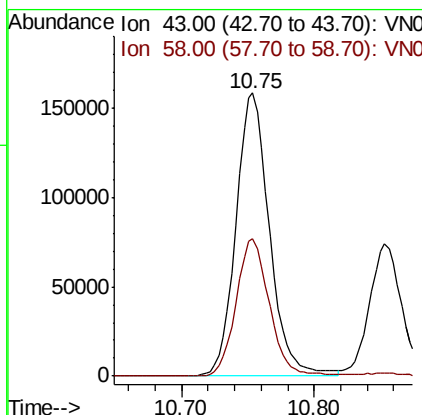
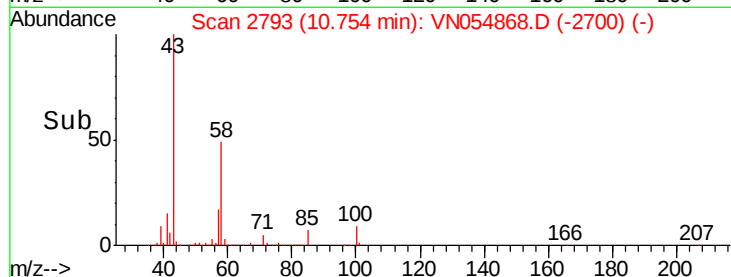
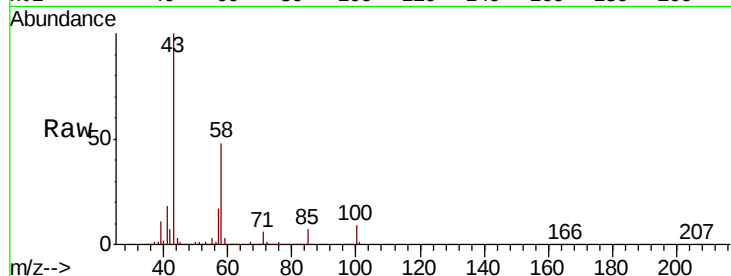




#59
2-Hexanone
Concen: 112.742 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

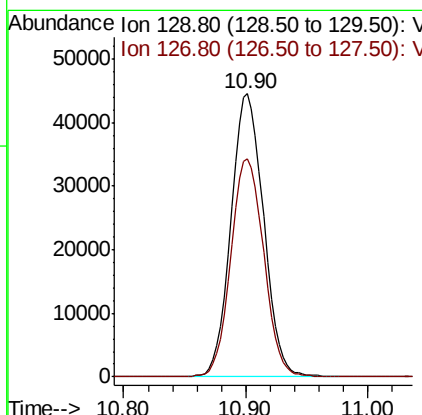
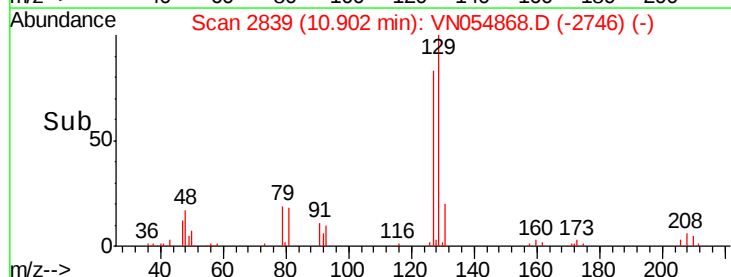
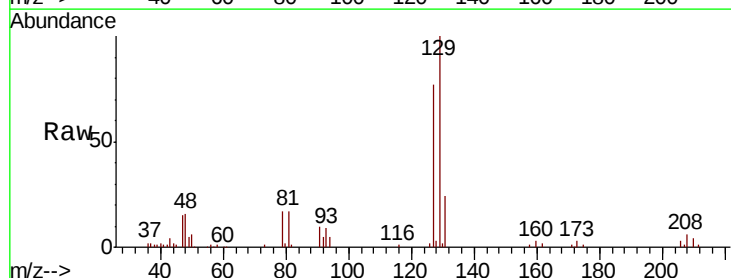
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

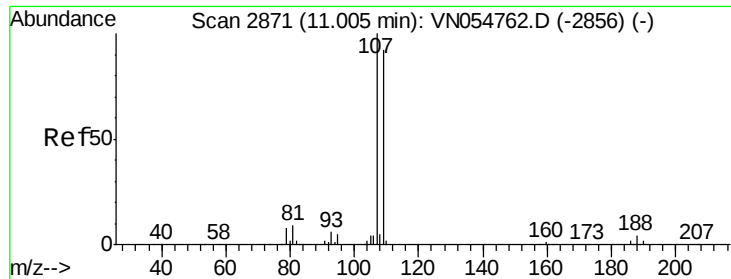
Tot Ion: 43 Resp: 275063
Ion Ratio Lower Upper
43 100
58 48.5 28.0 83.9



#60
Dibromochloromethane
Concen: 22.733 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 129 Resp: 82941
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

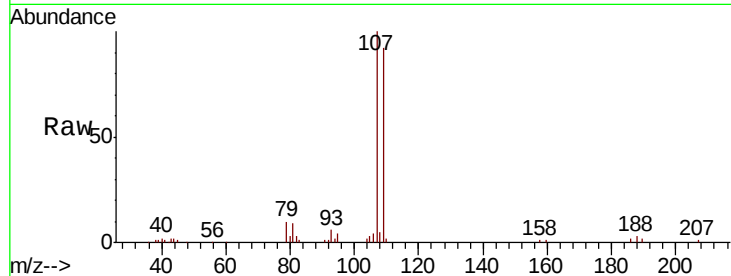




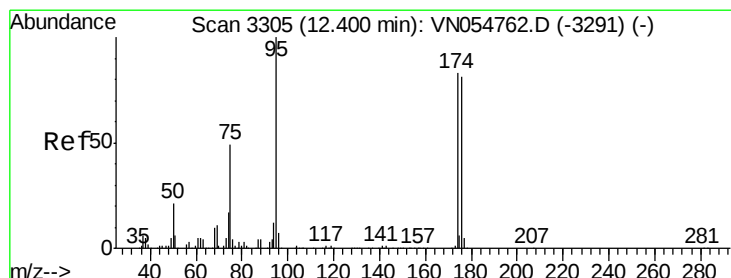
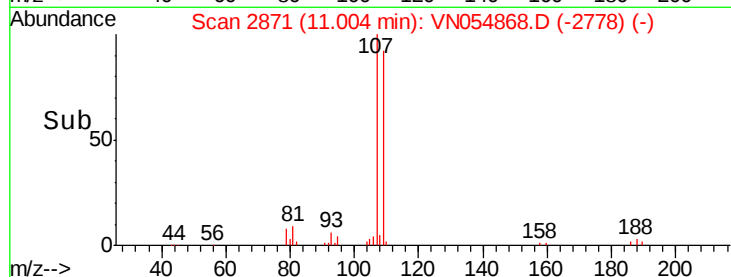
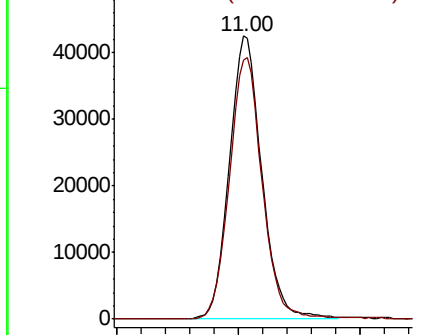
#61
 1,2-Dibromoethane
 Concen: 22.863 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion:107 Resp: 78695
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.9 113.9

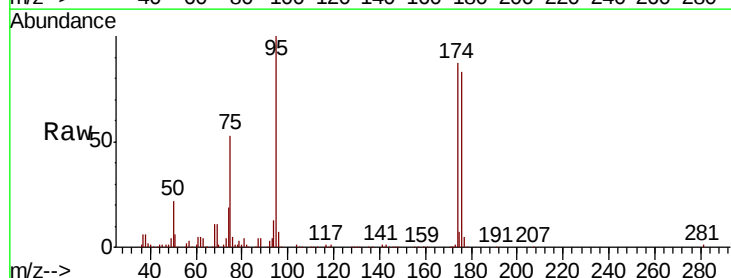


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

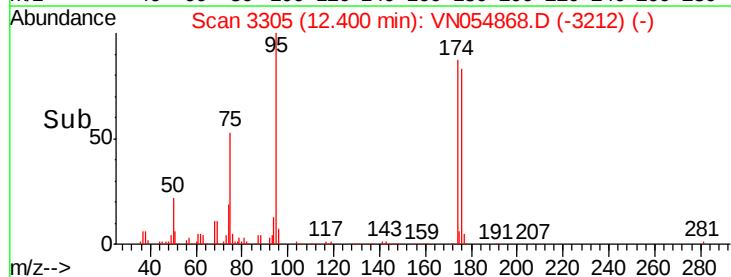
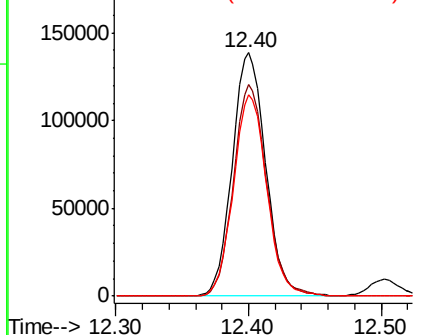


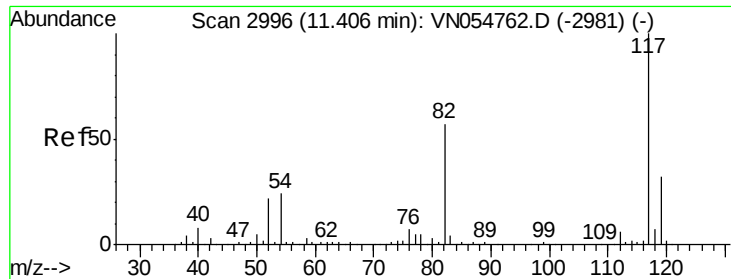
#62
 4-Bromofluorobenzene
 Concen: 48.348 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 95 Resp: 243326
 Ion Ratio Lower Upper
 95 100
 174 86.1 0.0 191.0
 176 82.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VNO
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

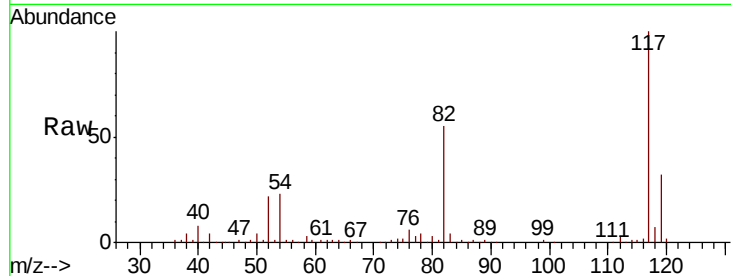




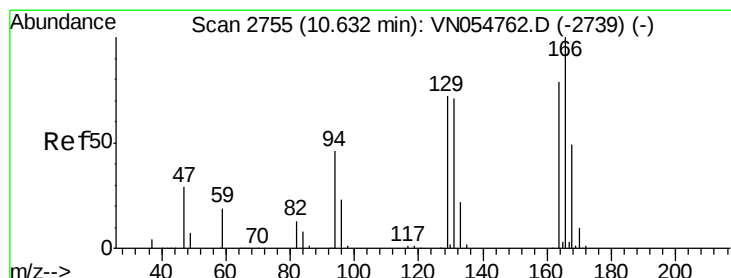
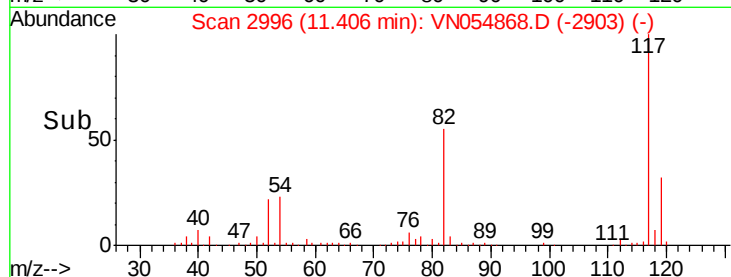
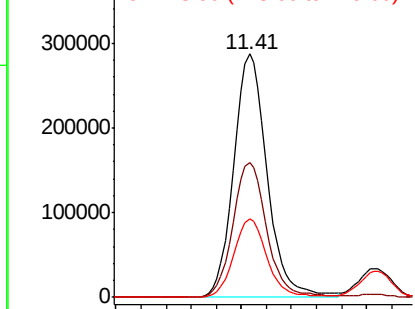
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

Tot Ion:117 Resp: 532635
Ion Ratio Lower Upper
117 100
82 55.4 40.0 60.0
119 32.2 25.8 38.6

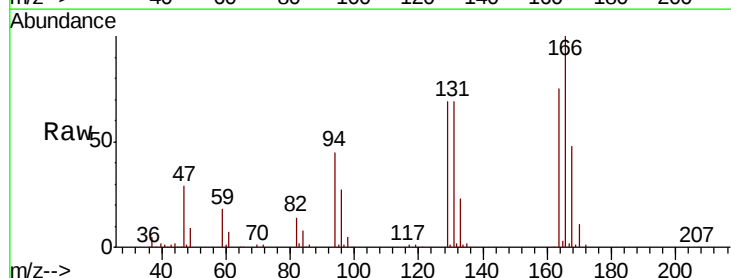


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

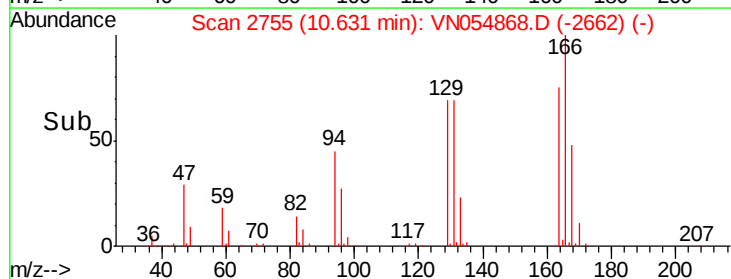
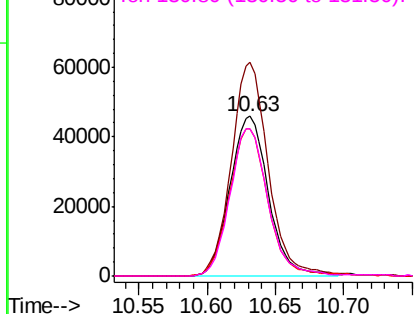


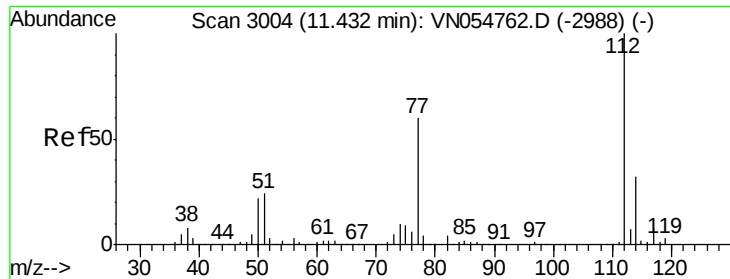
#64
Tetrachloroethene
Concen: 22.053 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion:164 Resp: 90136
Ion Ratio Lower Upper
164 100
166 133.9 103.9 155.9
129 92.7 71.1 106.7
131 92.0 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

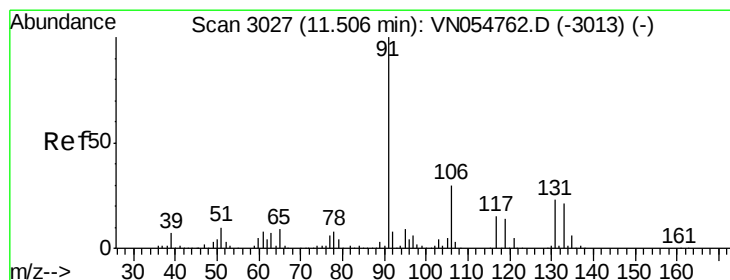
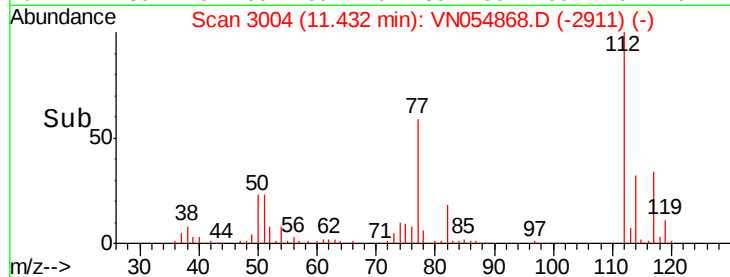
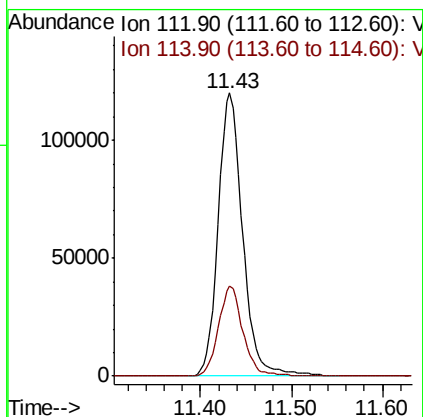
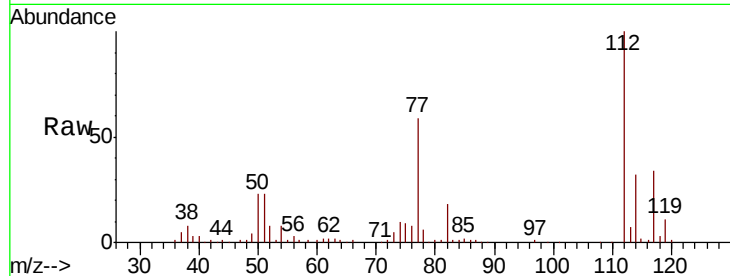




#65
Chlorobenzene
Concen: 21.538 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

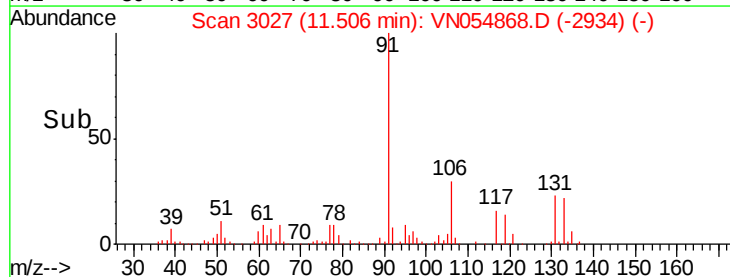
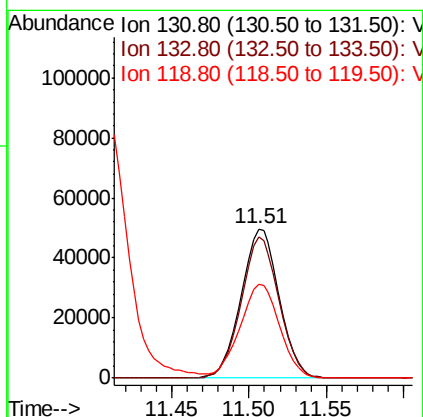
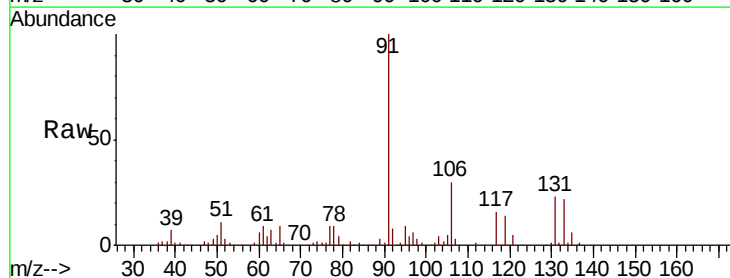
Instrument :
MSVOA_N
ClientSampled :
VN0401MBS01

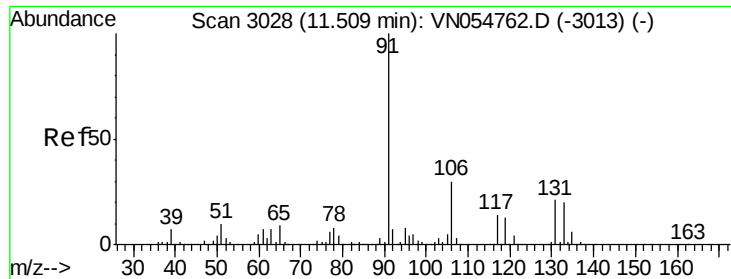
Tot Ion:112 Resp: 224610
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.708 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion:131 Resp: 84732
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 66.3 32.4 97.0

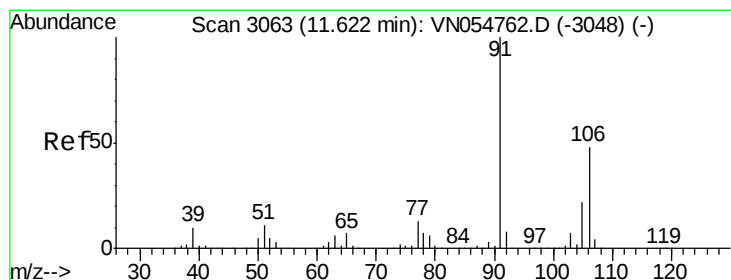
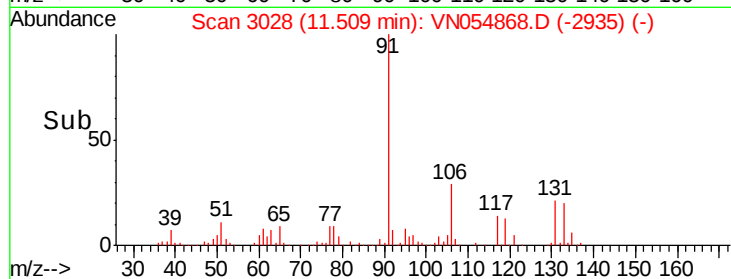
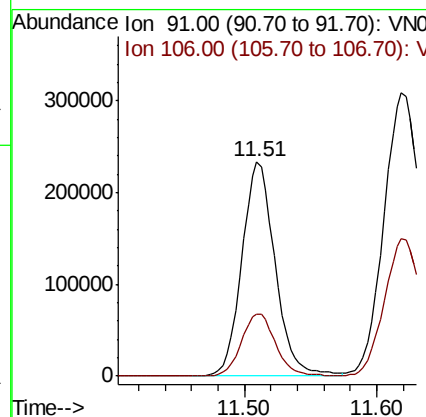
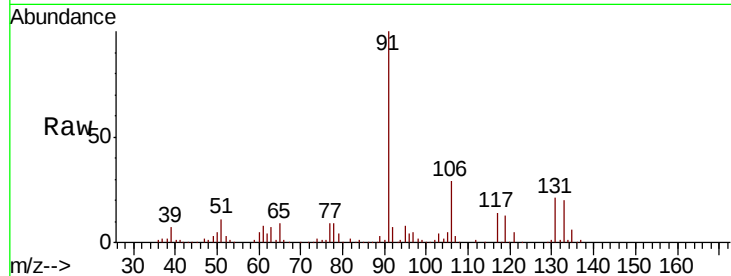




#67
Ethyl Benzene
Concen: 21.698 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

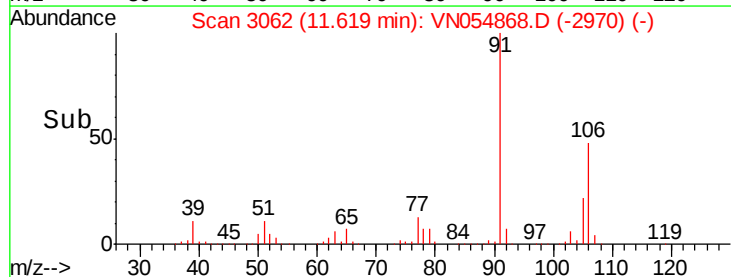
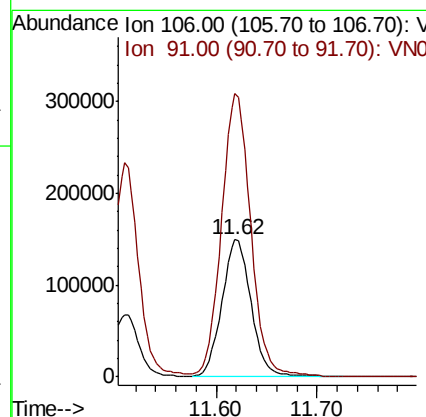
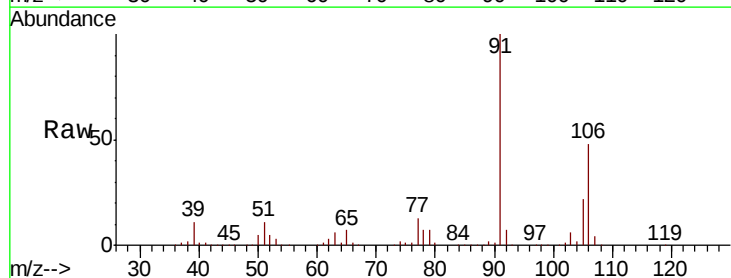
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

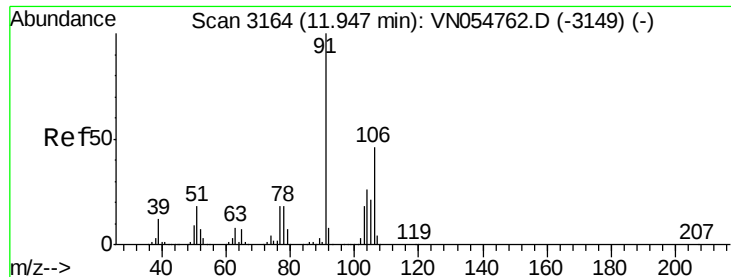
Tot Ion: 91 Resp: 408317
Ion Ratio Lower Upper
91 100
106 29.1 25.5 38.3



#68
m/p-Xylenes
Concen: 43.513 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion: 106 Resp: 303028
Ion Ratio Lower Upper
106 100
91 207.0 159.4 239.2

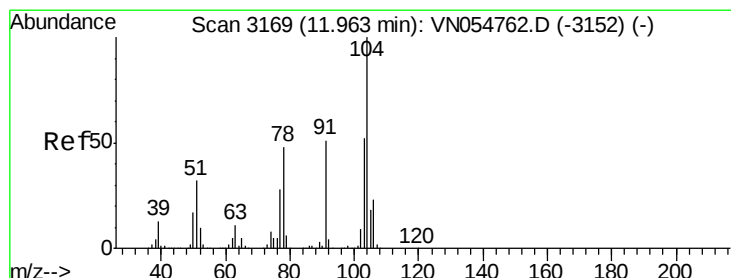
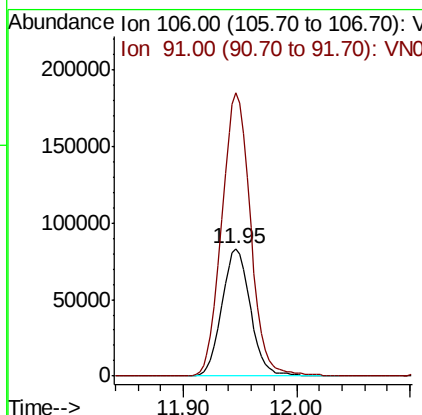
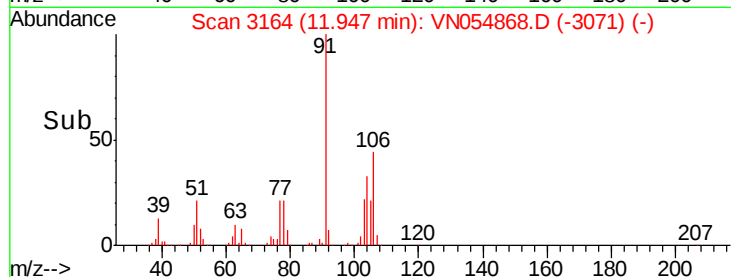
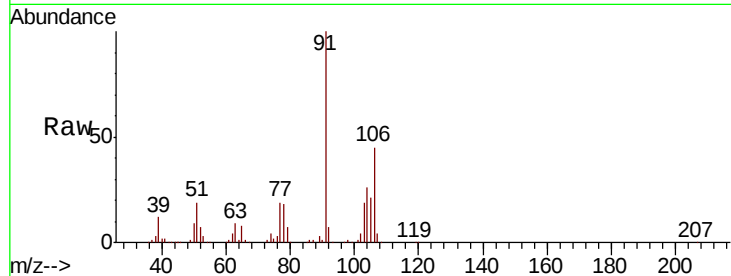




#69
o-Xylene
Concen: 21.350 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

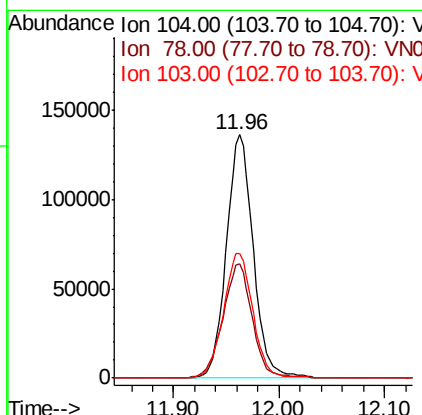
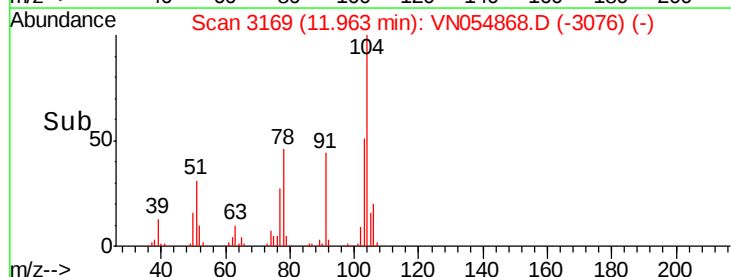
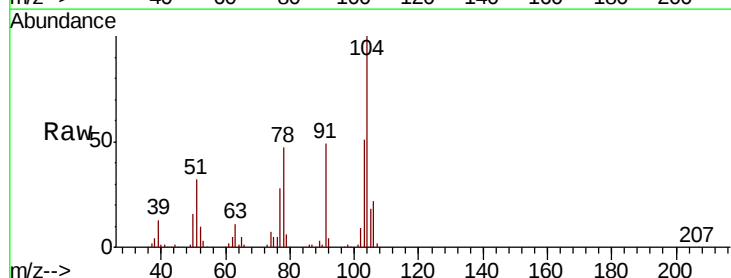
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

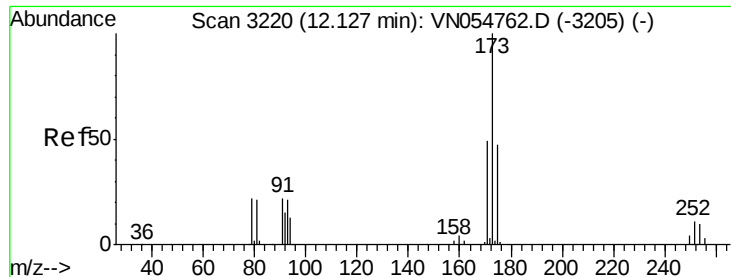
Tot Ion:106 Resp: 145796
Ion Ratio Lower Upper
106 100
91 224.4 105.7 317.1



#70
Styrene
Concen: 21.965 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion:104 Resp: 239834
Ion Ratio Lower Upper
104 100
78 51.4 38.2 57.2
103 56.2 44.4 66.6





#71

Bromoform

Concen: 20.822 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

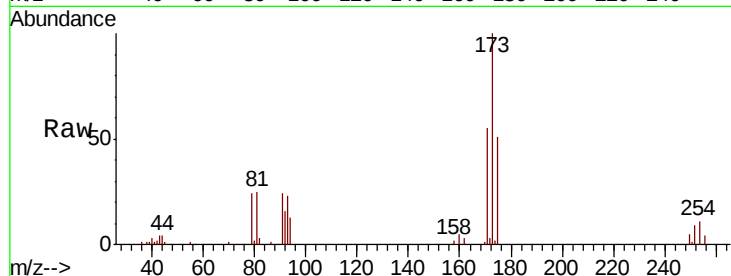
Tot Ion:173 Resp: 47614

Ion Ratio Lower Upper

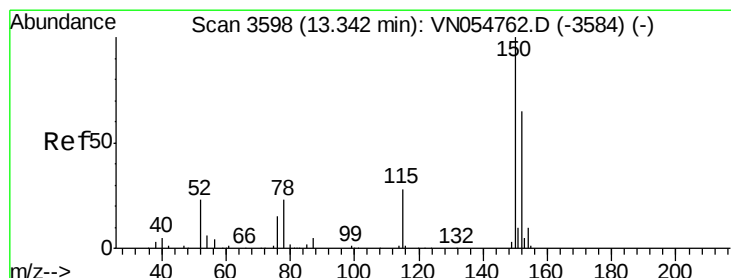
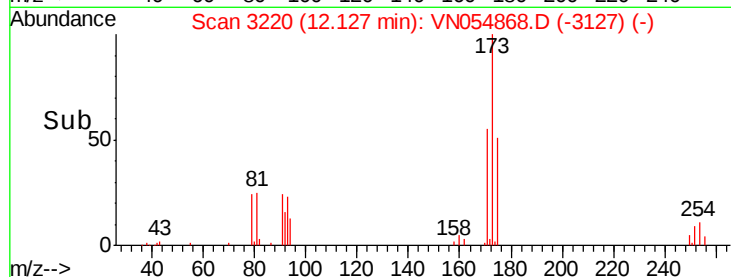
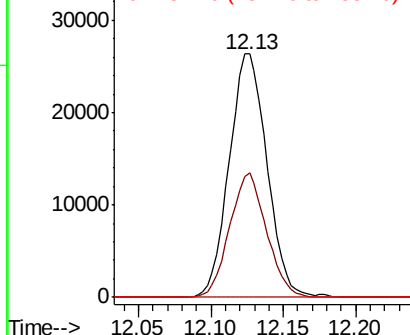
173 100

175 49.7 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

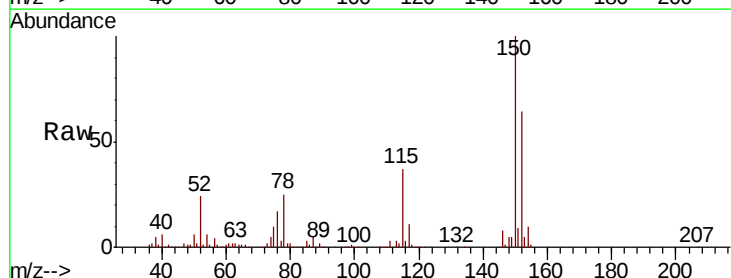
Tgt Ion:152 Resp: 228629

Ion Ratio Lower Upper

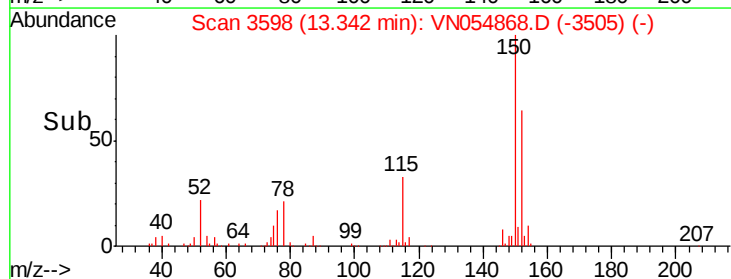
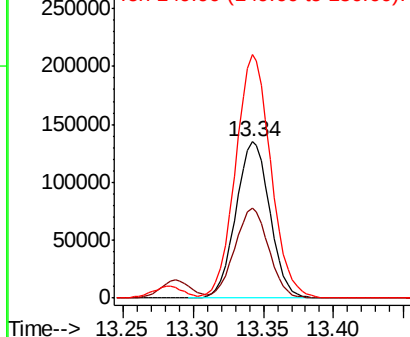
152 100

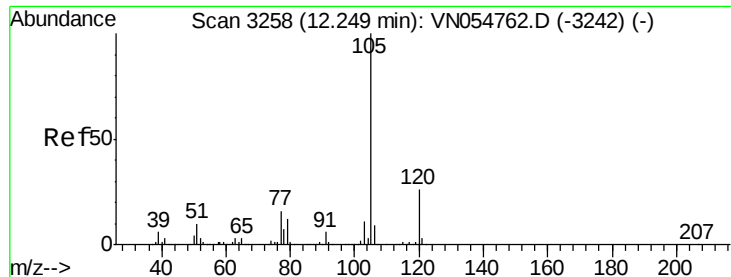
115 57.4 27.2 81.6

150 161.3 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.945 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

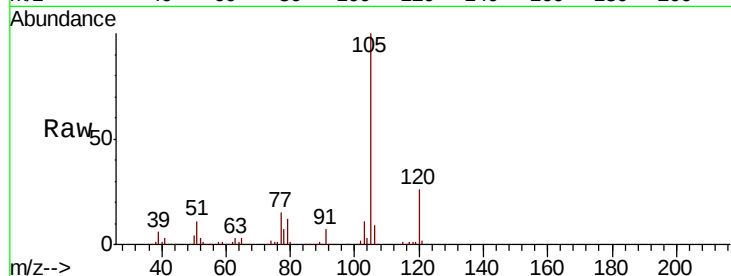
VN0401MBS01

Tot Ion:105 Resp: 391398

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

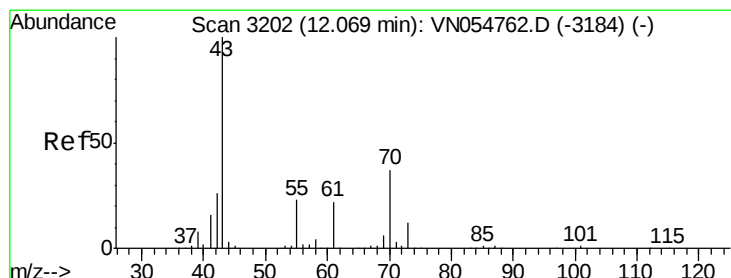
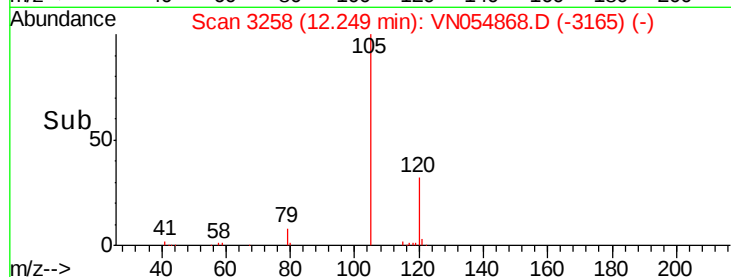
50000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 20.165 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Tgt Ion: 43 Resp: 117399

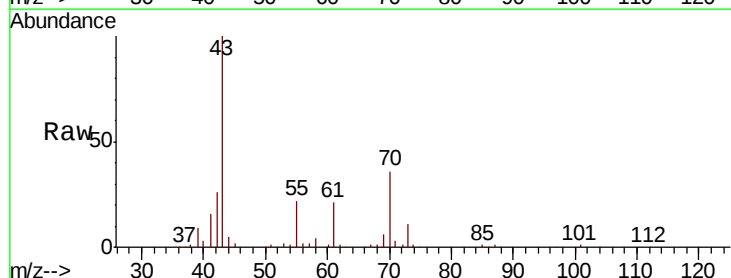
Ion Ratio Lower Upper

43 100

70 36.3 35.4 53.0

55 24.4 19.8 29.6

61 21.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

40000

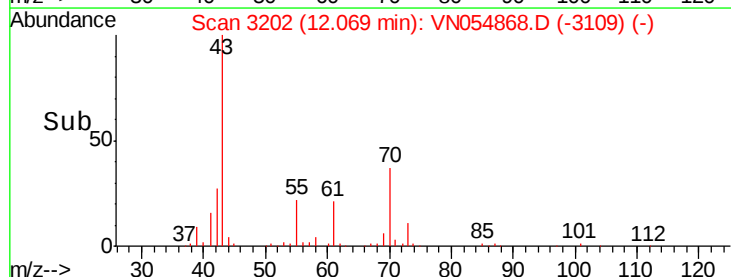
20000

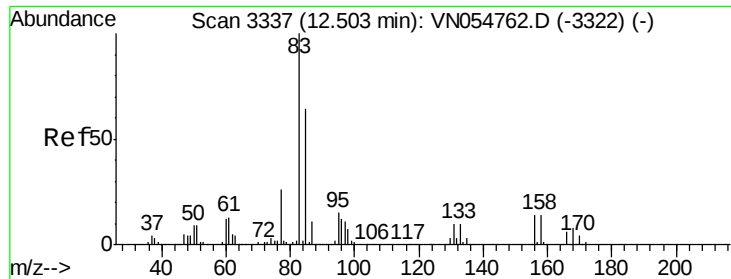
0

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.979 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

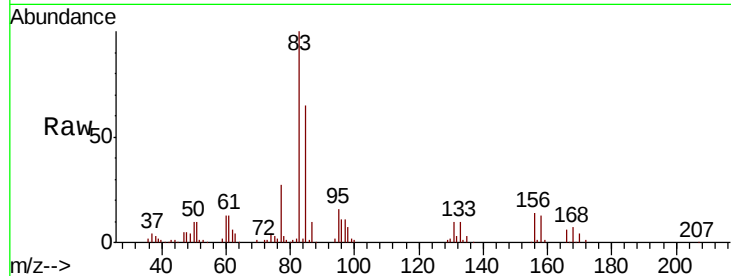
Tot Ion: 83 Resp: 98476

Ion Ratio Lower Upper

83 100

131 10.3 5.8 17.4

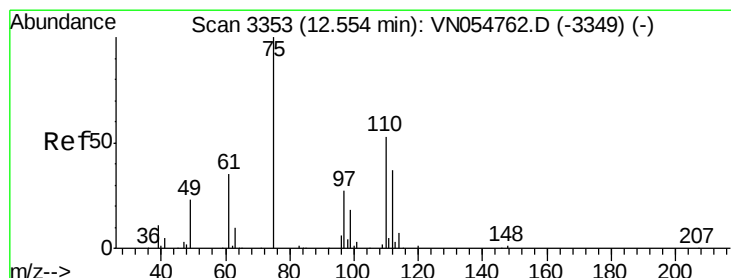
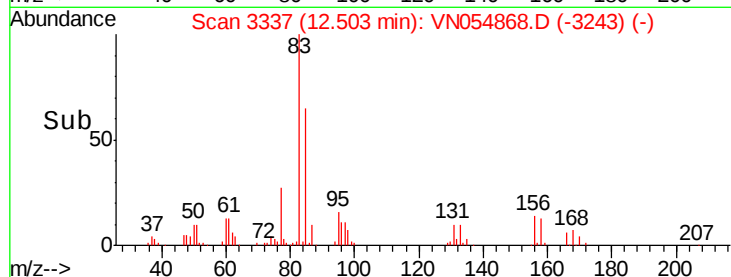
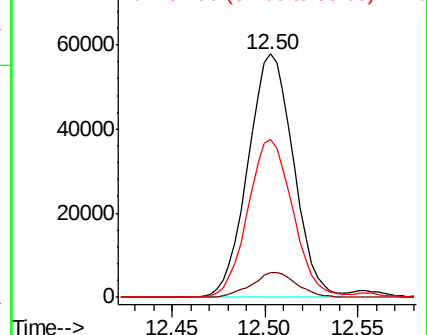
85 64.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.299 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054868.D

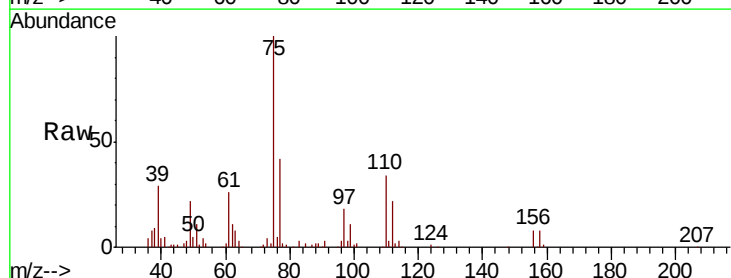
Acq: 1 Apr 2019 12:26

Tgt Ion: 75 Resp: 116369

Ion Ratio Lower Upper

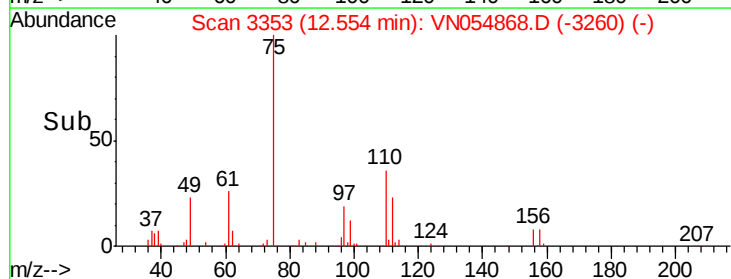
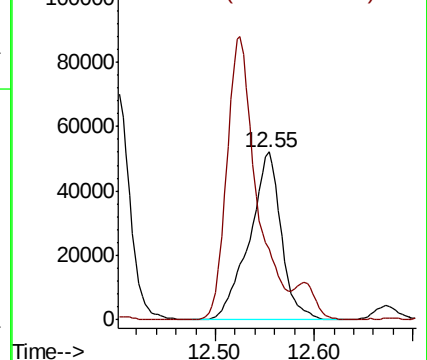
75 100

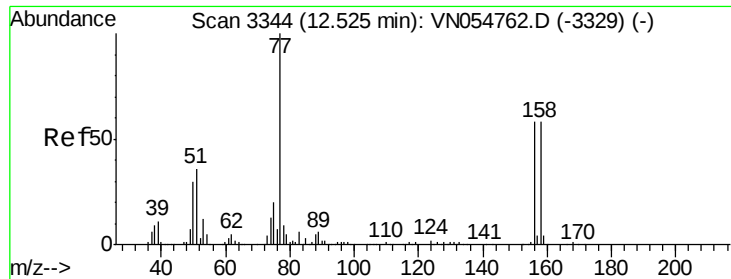
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.019 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

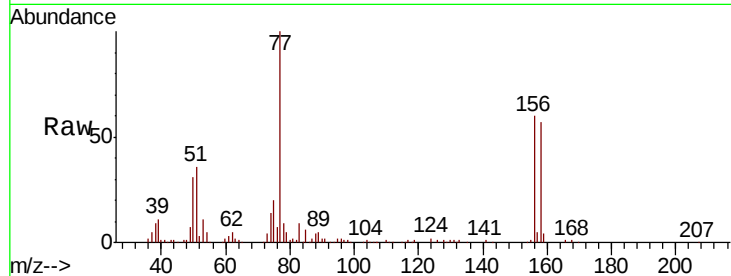
Tot Ion:156 Resp: 94795

Ion Ratio Lower Upper

156 100

77 194.8 81.5 244.4

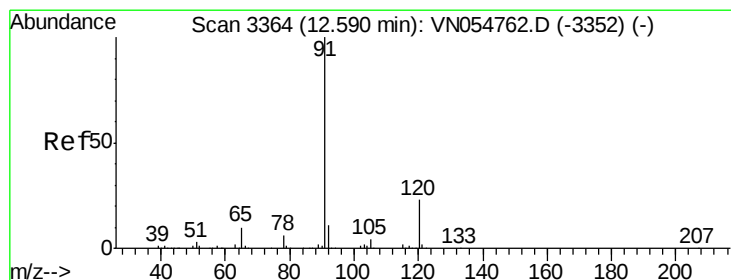
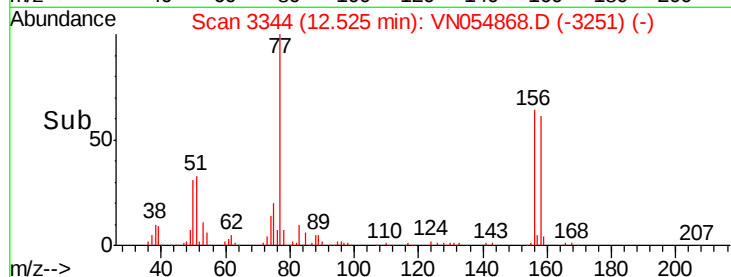
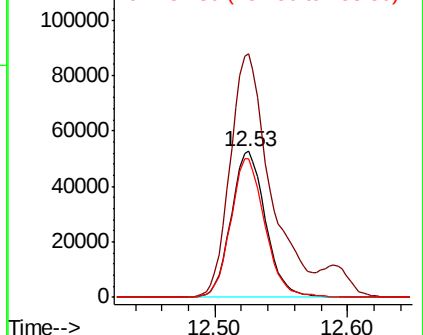
158 94.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.838 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054868.D

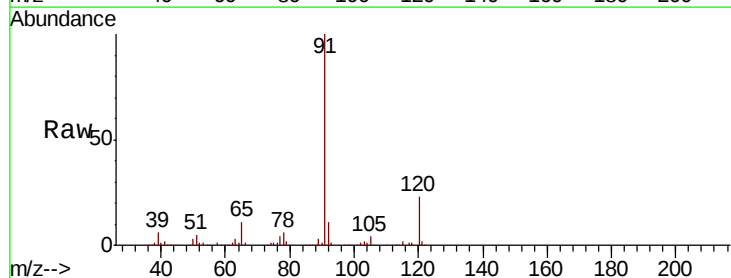
Acq: 1 Apr 2019 12:26

Tgt Ion: 91 Resp: 427991

Ion Ratio Lower Upper

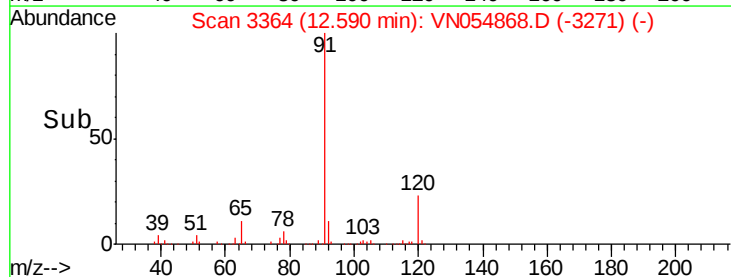
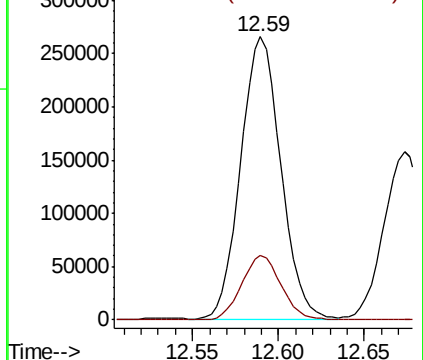
91 100

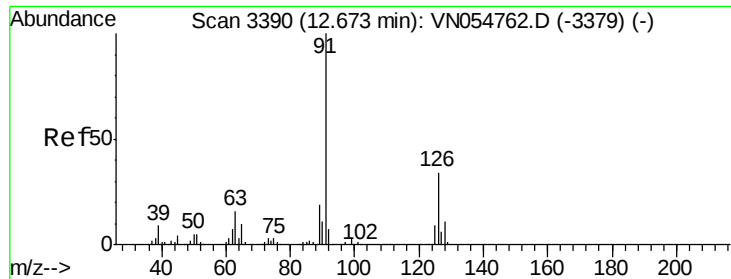
120 22.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

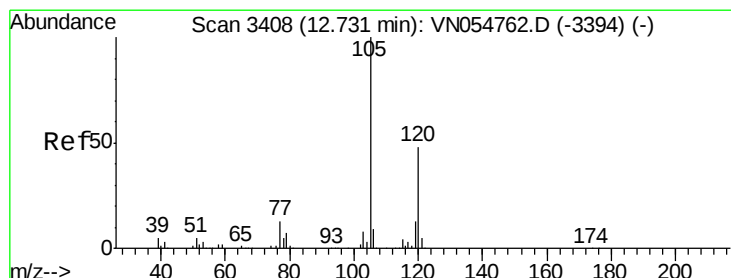
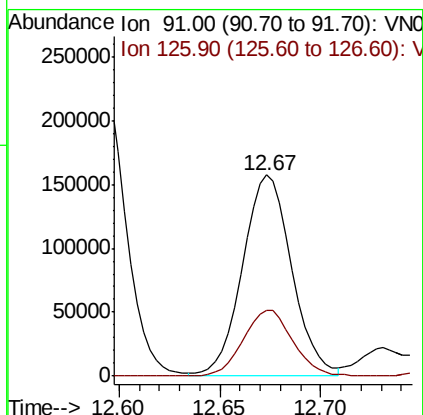
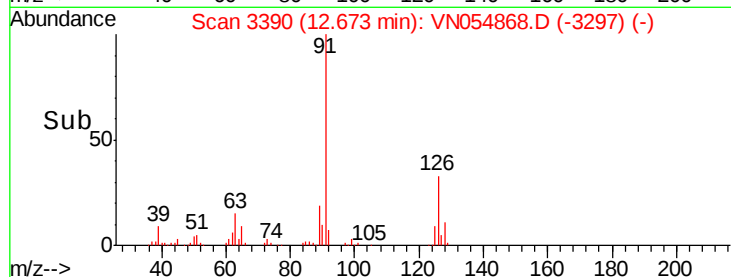
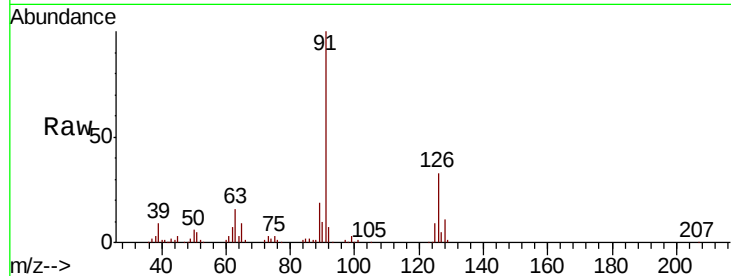




#79
 2-Chlorotoluene
 Concen: 21.019 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

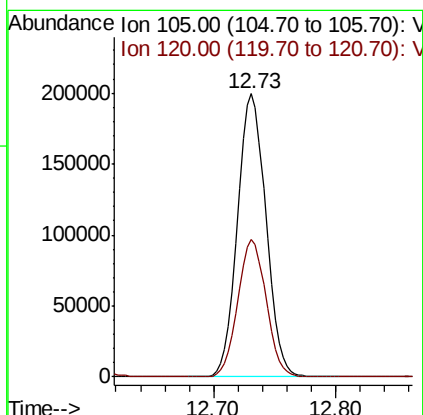
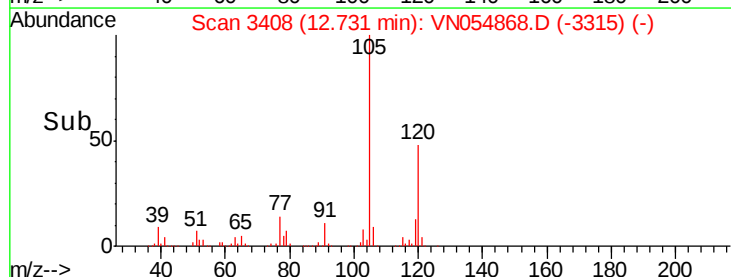
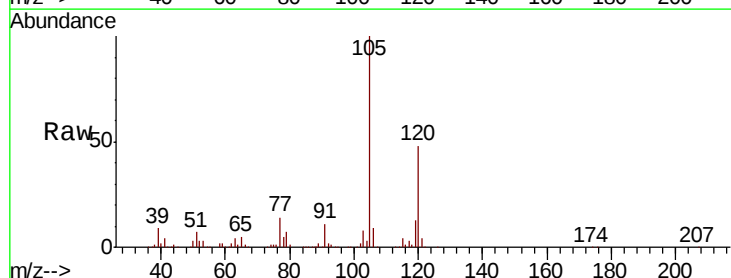
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

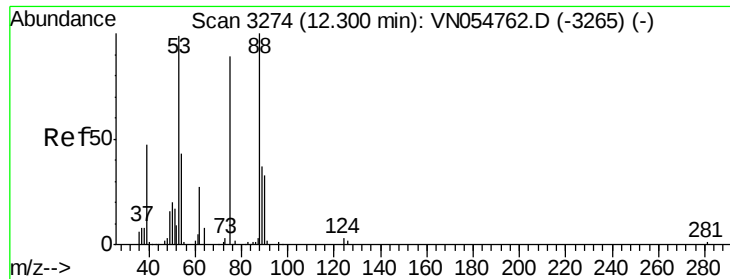
Tot Ion: 91 Resp: 267082
 Ion Ratio Lower Upper
 91 100
 126 33.3 18.7 56.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.972 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion: 105 Resp: 321580
 Ion Ratio Lower Upper
 105 100
 120 48.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.375 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

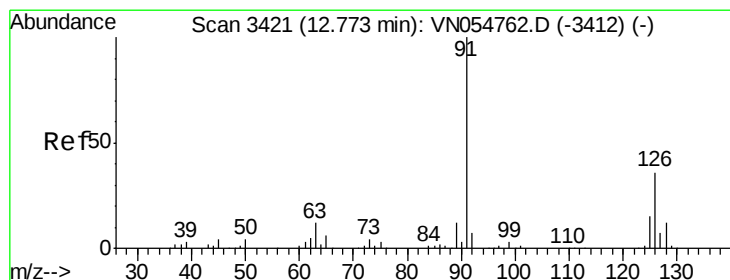
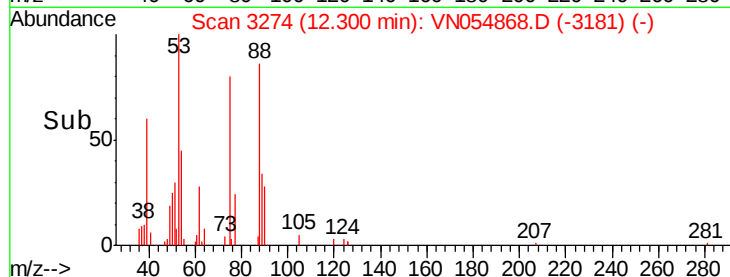
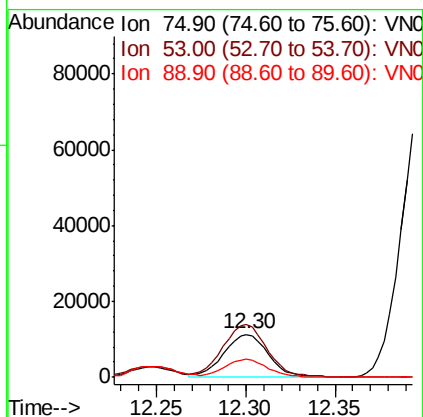
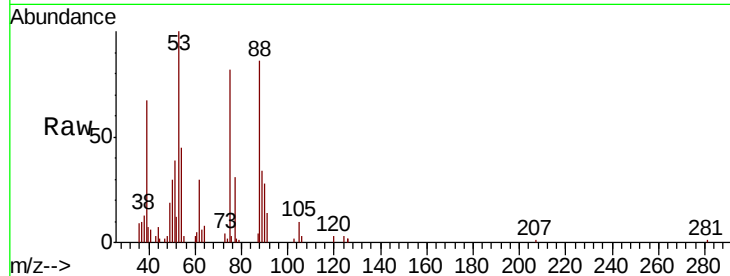
Tot Ion: 75 Resp: 19784

Ion Ratio Lower Upper

75 100

53 120.5 76.2 114.2#

89 39.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.549 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054868.D

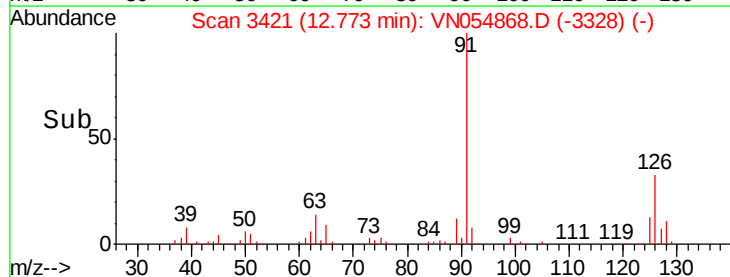
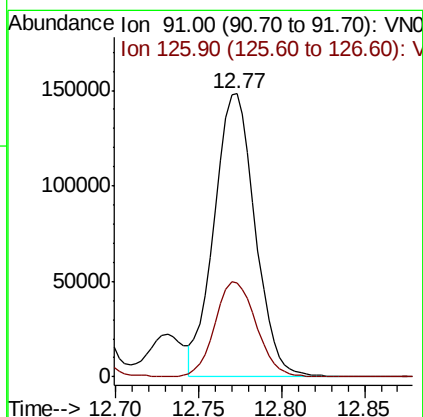
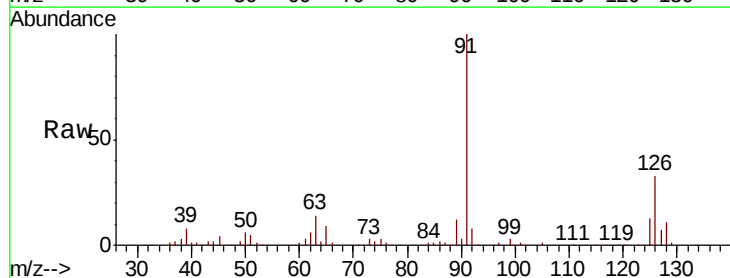
Acq: 1 Apr 2019 12:26

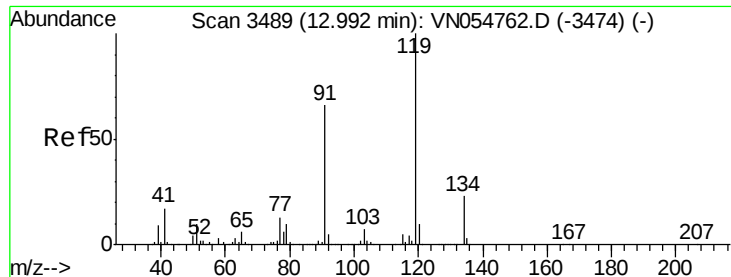
Tgt Ion: 91 Resp: 253625

Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.1

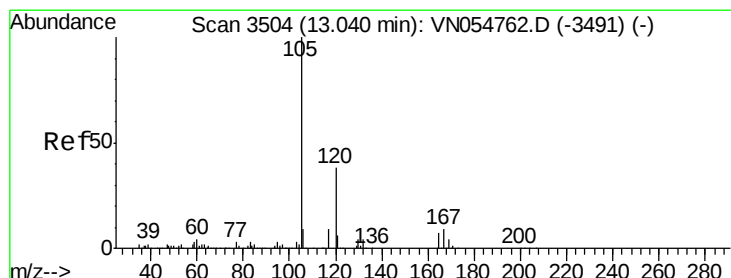
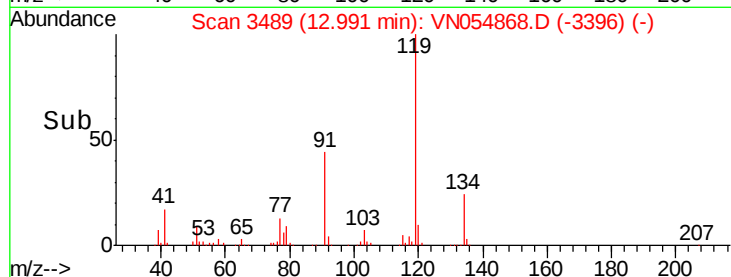
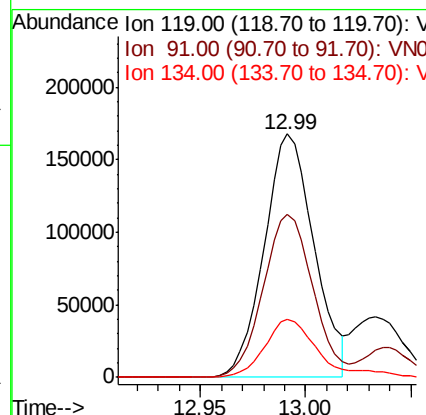
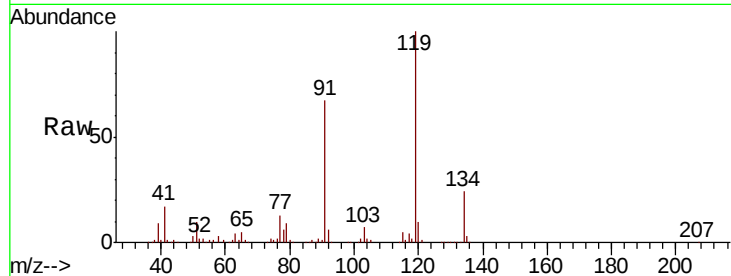




#83
tert-Butylbenzene
Concen: 22.052 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

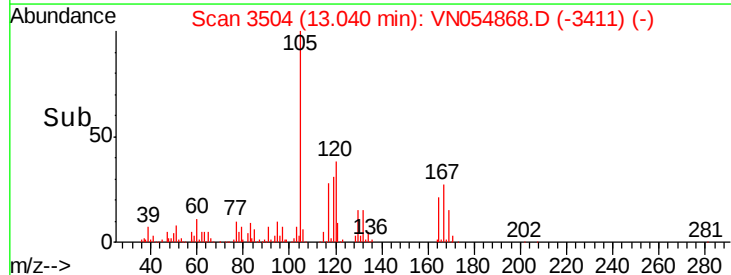
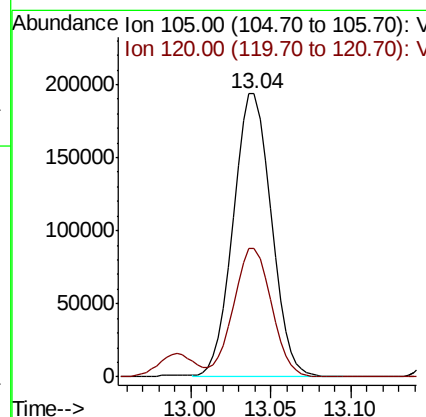
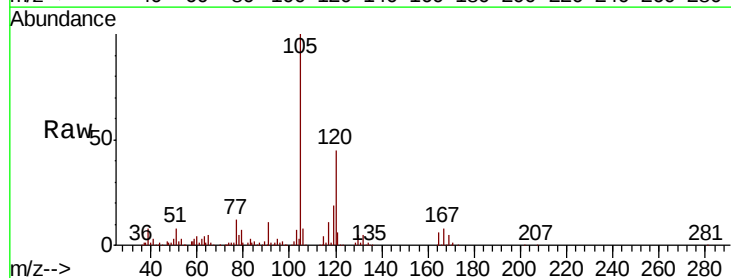
Instrument :
MSVOA_N
ClientSampleId :
VN0401MBS01

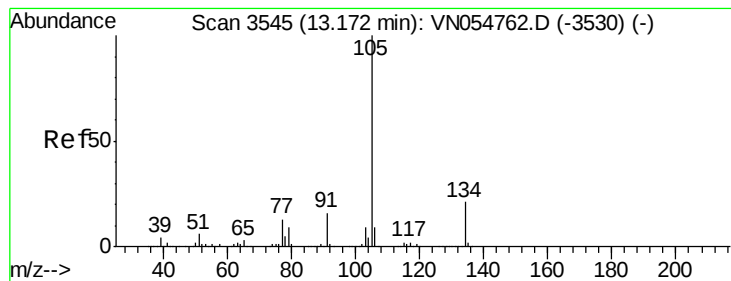
Tot Ion:119 Resp: 275847
Ion Ratio Lower Upper
119 100
91 67.1 30.9 92.8
134 26.0 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 21.476 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054868.D
Acq: 1 Apr 2019 12:26

Tgt Ion:105 Resp: 313720
Ion Ratio Lower Upper
105 100
120 45.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 21.256 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

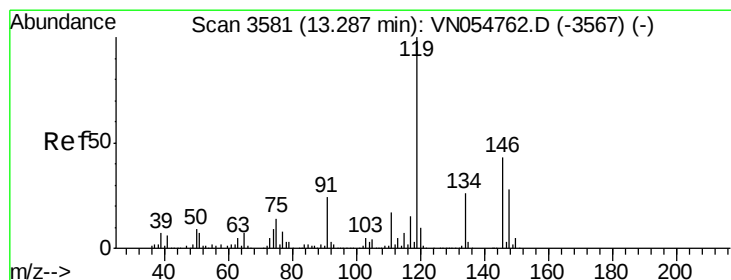
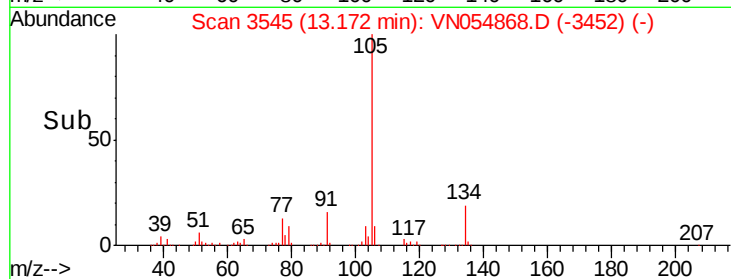
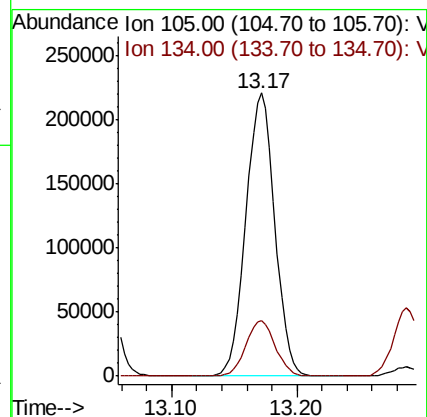
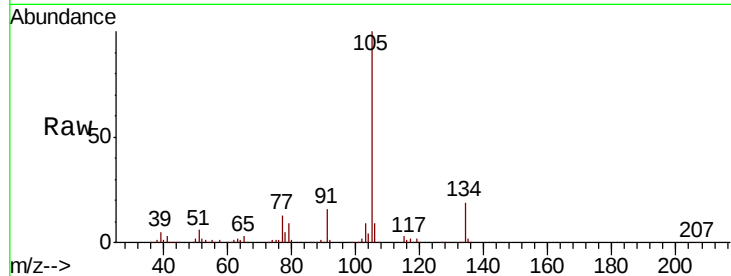
VN0401MBS01

Tot Ion:105 Resp: 354053

Ion Ratio Lower Upper

105 100

134 19.8 10.7 32.1



#86

p-Isopropyltoluene

Concen: 21.124 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

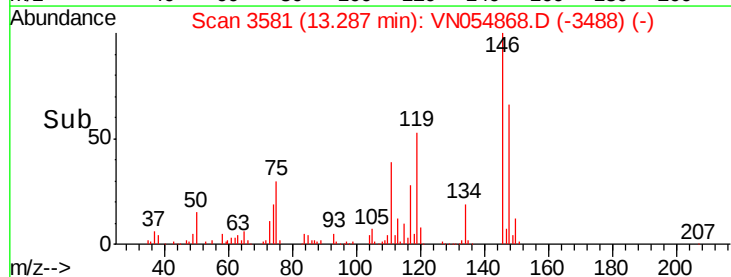
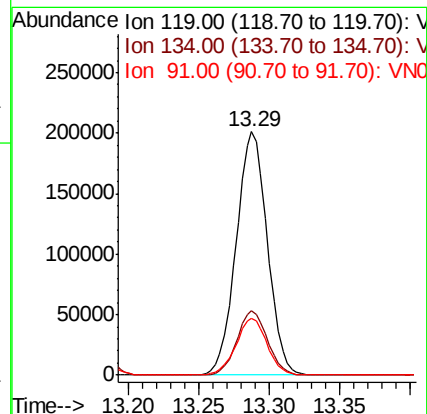
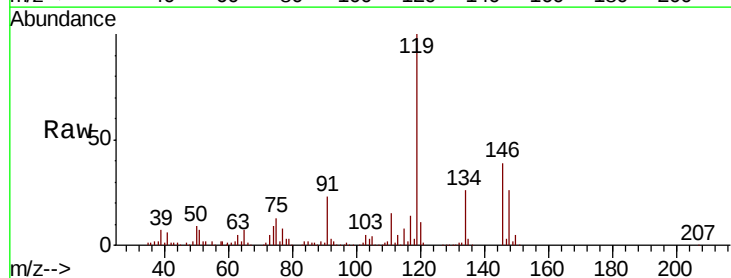
Tgt Ion:119 Resp: 310337

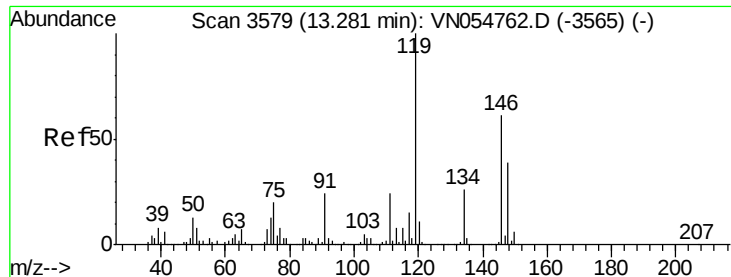
Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 23.5 11.1 33.3

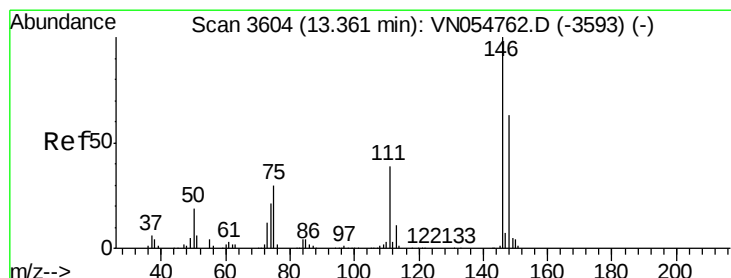
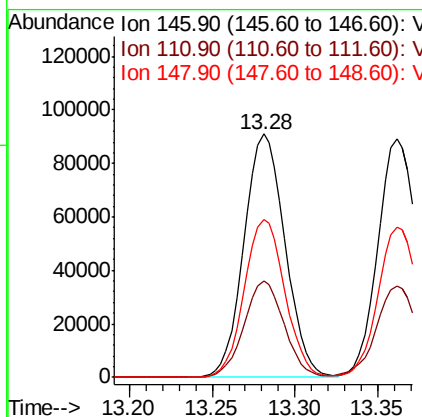
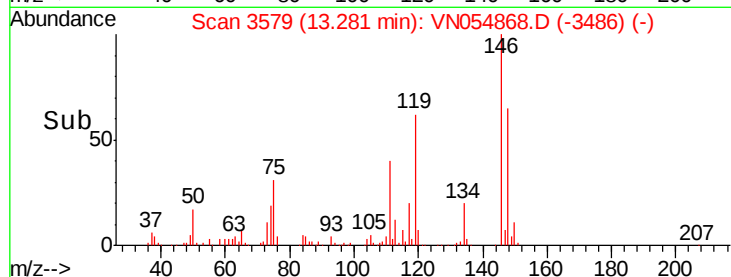
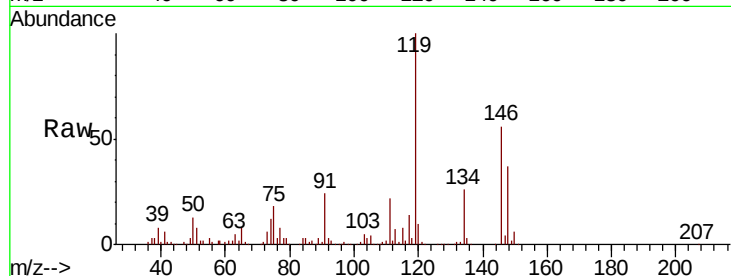




#87
 1,3-Dichlorobenzene
 Concen: 20.765 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

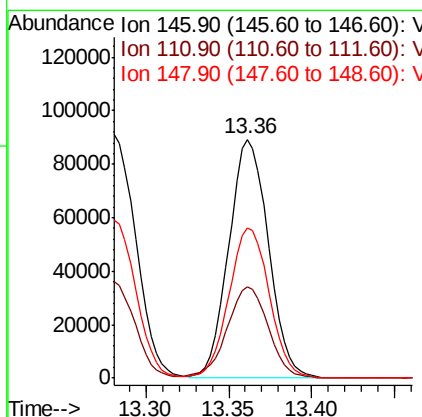
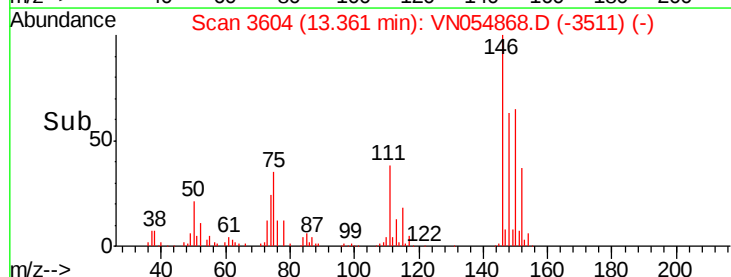
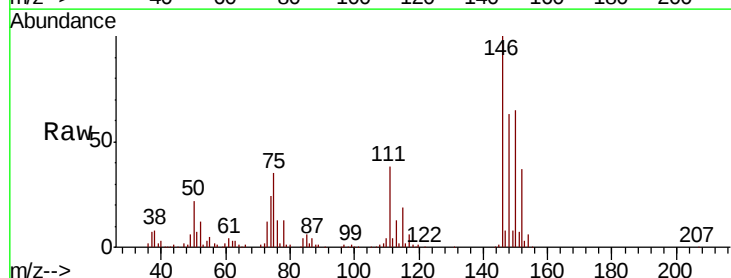
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

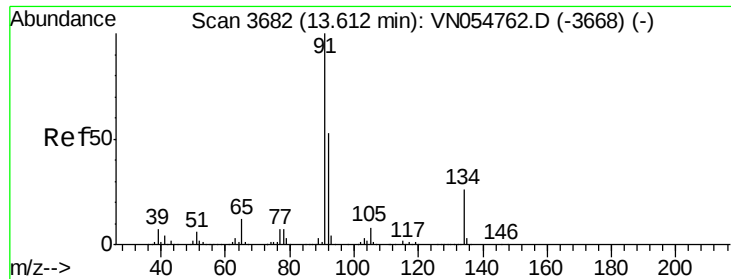
Tot Ion:146 Resp: 156797
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.8 56.3
 148 64.2 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.125 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion:146 Resp: 149049
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.1 54.1
 148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 19.624 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

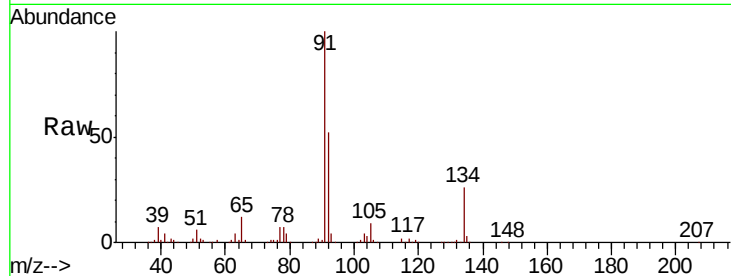
Tot Ion: 91 Resp: 235225

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.6

134 25.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054762.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054762.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054762.D (-3668) (-)

13.61

150000

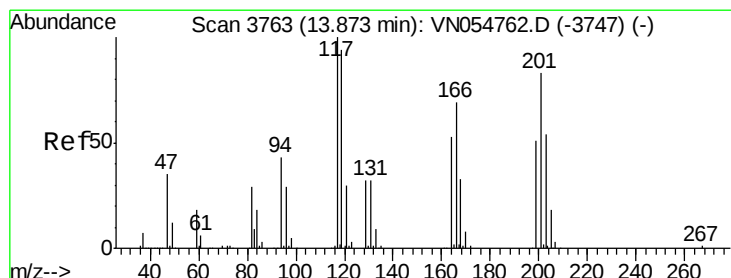
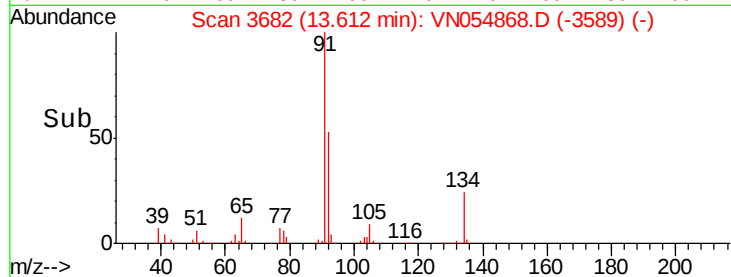
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 20.144 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054868.D

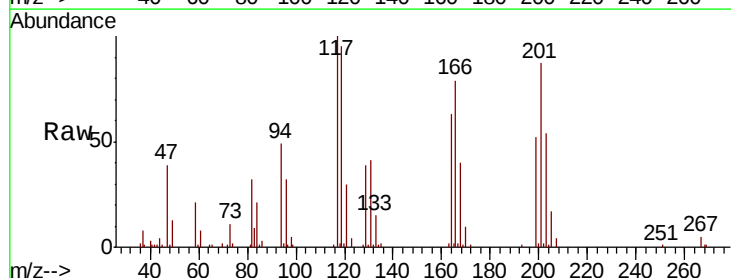
Acq: 1 Apr 2019 12:26

Tgt Ion: 117 Resp: 50247

Ion Ratio Lower Upper

117 100

201 87.0 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054762.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054762.D (-3747) (-)

13.87

30000

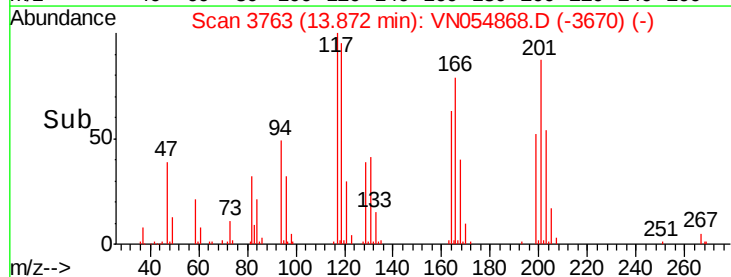
20000

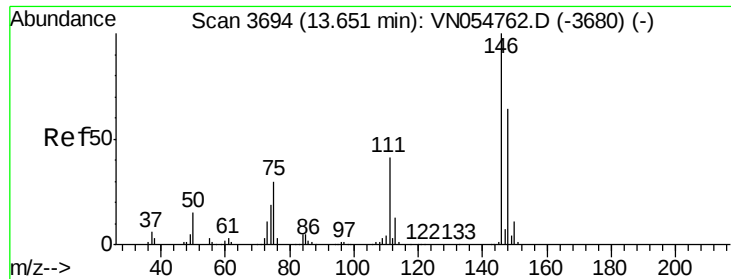
10000

0

13.80 13.85 13.90

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.651 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

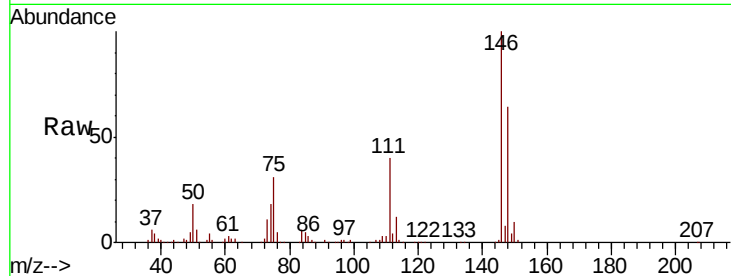
Tot Ion:146 Resp: 157375

Ion Ratio Lower Upper

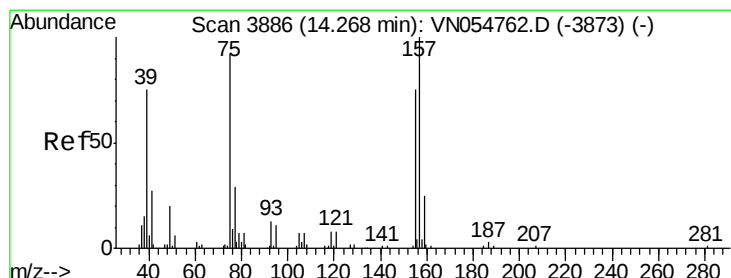
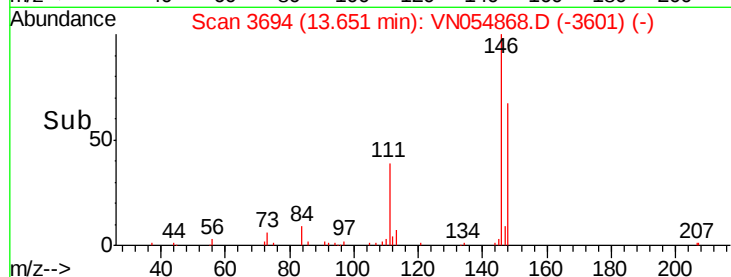
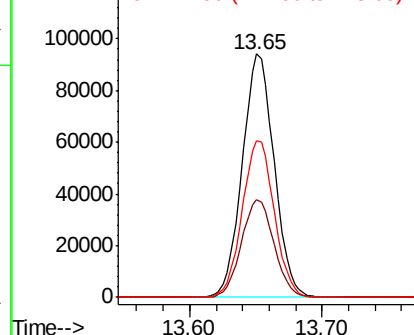
146 100

111 40.9 19.1 57.3

148 64.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.325 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

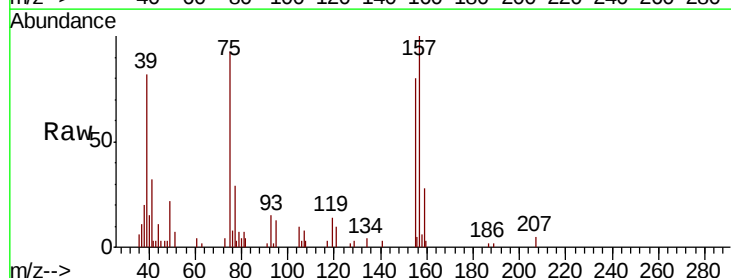
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

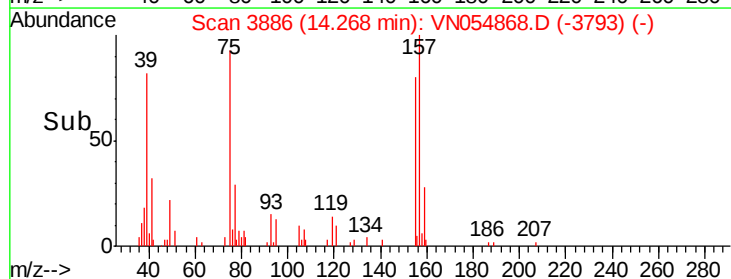
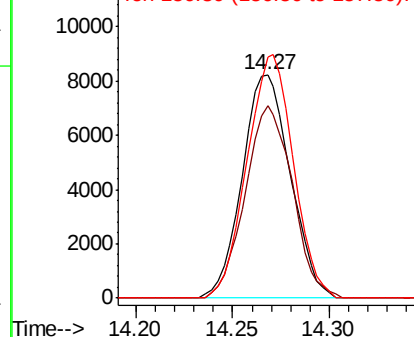
75 100

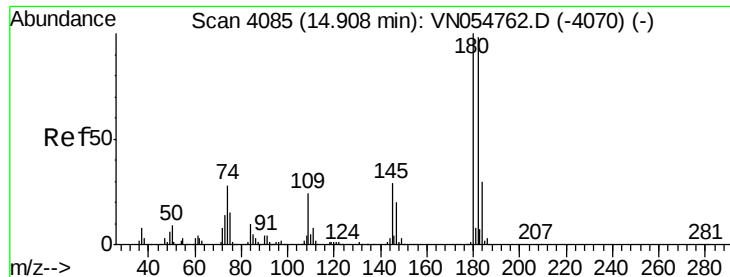
155 84.4 50.1 150.3

157 104.6 63.1 189.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

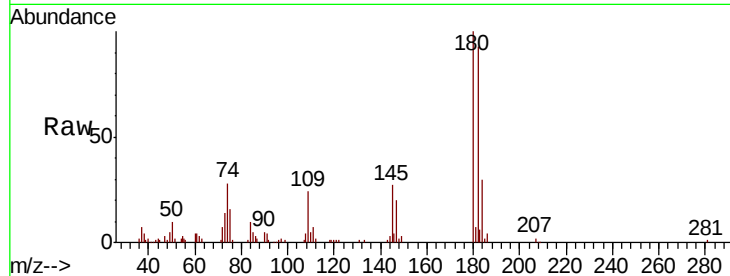




#93
 1,2,4-Trichlorobenzene
 Concen: 19.341 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.0	144.2
145	28.0	14.2	42.8

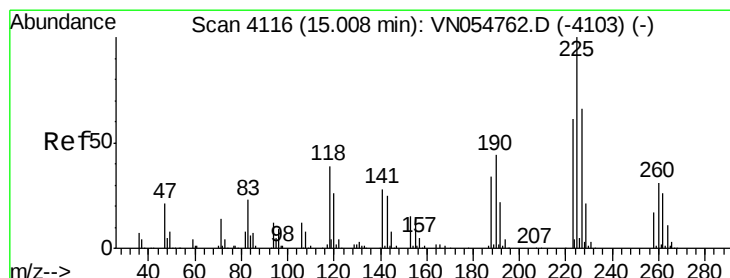
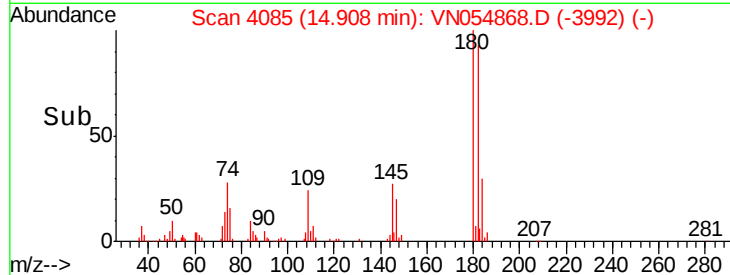
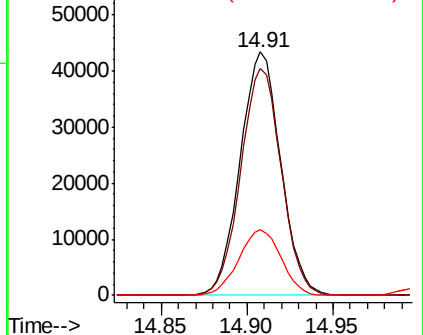


Abundance

Ion 179.80 (179.50 to 180.50): V

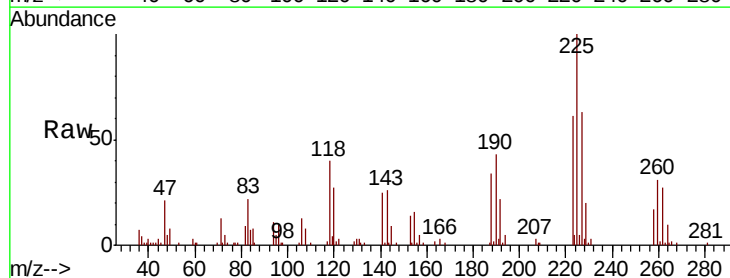
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.793 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054868.D
 Acq: 1 Apr 2019 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.5
227	64.2	31.9	95.9

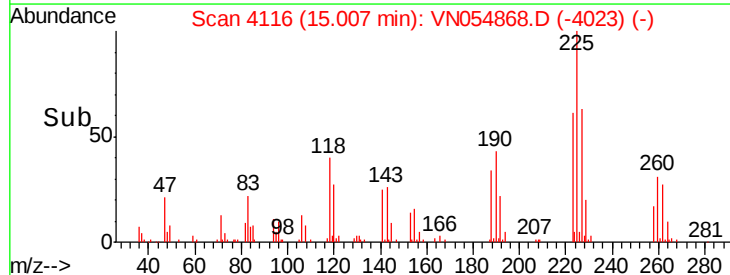
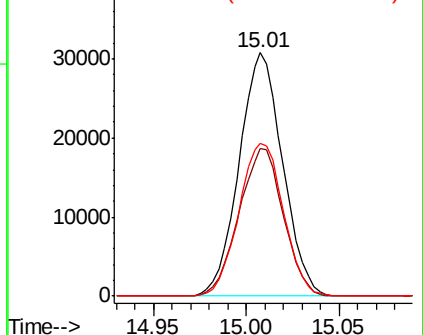


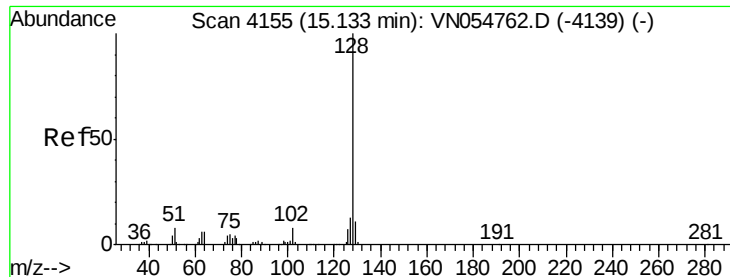
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.620 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0401MBS01

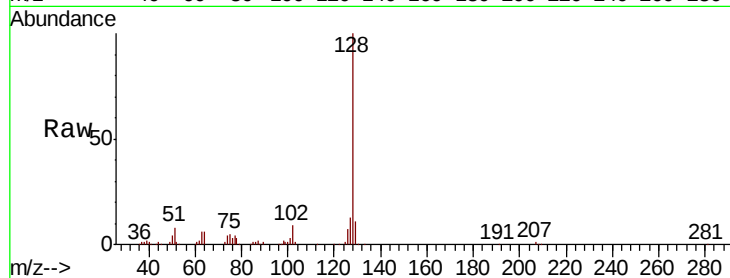
Tot Ion:128 Resp: 153433

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 10.7 8.7 13.1

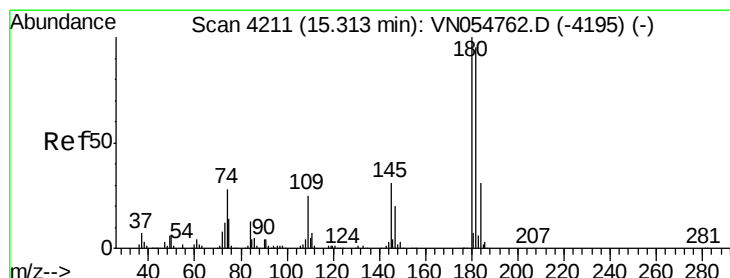
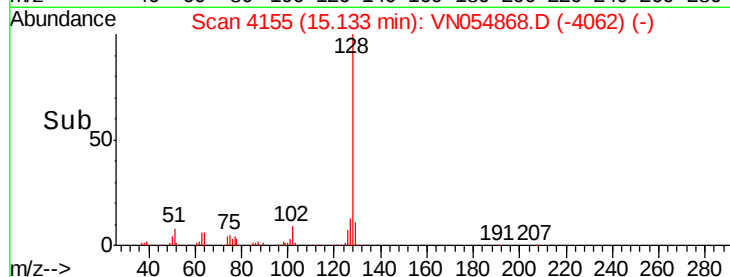
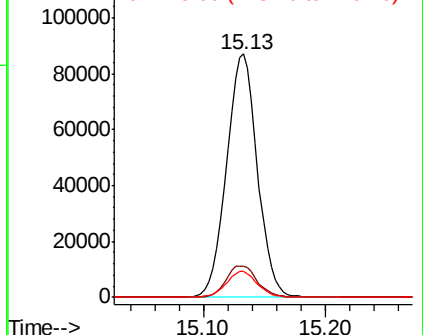


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.540 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054868.D

Acq: 1 Apr 2019 12:26

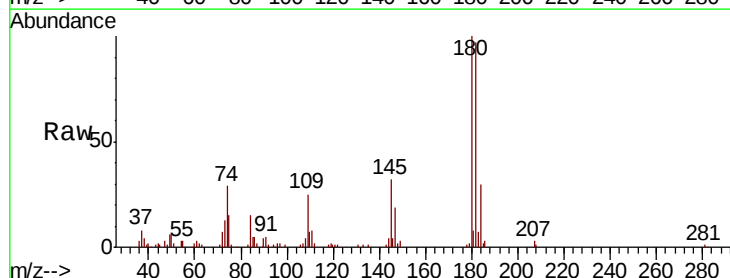
Tgt Ion:180 Resp: 72502

Ion Ratio Lower Upper

180 100

182 98.4 47.5 142.6

145 32.1 14.8 44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

