

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054836.D
 Acq On : 31 Mar 2019 7:03
 Operator : JC/SP
 Sample : VN0330WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 01:42:07 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	376245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	235278	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	296628	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	
35) Dibromofluoromethane	7.59	113	227674	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	831757	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	265403	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	75398	19.812	ug/l	98
3) Chloromethane	2.06	50	109456	20.801	ug/l	99
4) Vinyl Chloride	2.19	62	101152	21.406	ug/l	100
5) Bromomethane	2.58	94	37439	13.469	ug/l	96
6) Chloroethane	2.71	64	60168	22.802	ug/l	97
7) Trichlorofluoromethane	3.02	101	129115	22.224	ug/l	100
8) Diethyl Ether	3.41	74	44605	23.844	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62155	20.323	ug/l	92
10) Methyl Iodide	3.94	142	48309	11.538	ug/l #	86
11) Tert butyl alcohol	4.83	59	38314	144.989	ug/l	98
12) 1,1-Dichloroethene	3.73	96	67891	22.955	ug/l #	75
13) Acrolein	3.61	56	30330	128.387	ug/l	94
14) Allyl chloride	4.32	41	149324	20.498	ug/l #	91
15) Acrylonitrile	5.00	53	187715	127.801	ug/l	99
16) Acetone	3.82	43	138398	114.429	ug/l #	83
17) Carbon Disulfide	4.04	76	191535	19.967	ug/l	97
18) Methyl Acetate	4.33	43	87796	27.455	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	253905	24.543	ug/l	96
20) Methylene Chloride	4.54	84	97146	22.771	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	87129	22.429	ug/l	89
22) Diisopropyl ether	5.96	45	339201	23.543	ug/l #	94
23) Vinyl Acetate	5.90	43	1213684	121.047	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	181324	23.592	ug/l	99
25) 2-Butanone	6.85	43	230829	129.112	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	55405	10.285	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	101641	23.161	ug/l	93
28) Bromochloromethane	7.20	49	92046	23.950	ug/l #	71
29) Tetrahydrofuran	7.23	42	163157	131.395	ug/l #	84
30) Chloroform	7.37	83	174096	23.755	ug/l	96
31) Cyclohexane	7.65	56	161726	21.937	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	139854	23.027	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126533	19.854	ug/l	95
37) Ethyl Acetate	6.94	43	109355	23.399	ug/l #	94
38) Carbon Tetrachloride	7.78	117	118561	19.153	ug/l	99

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 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 01:42:07 2019
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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)
39) Methylcyclohexane	9.08	83	120483	17.196	ug/l #	88
40) Benzene	8.04	78	386993	21.221	ug/l	98
41) Methacrylonitrile	7.18	41	58515	22.288	ug/l	91
42) 1,2-Dichloroethane	8.13	62	141583	21.744	ug/l	97
43) Isopropyl Acetate	8.17	43	176117	23.192	ug/l #	93
44) Trichloroethene	8.84	130	97429	20.581	ug/l	86
45) 1,2-Dichloropropane	9.12	63	108125	20.794	ug/l	97
46) Dibromomethane	9.21	93	63610	21.746	ug/l	87
47) Bromodichloromethane	9.40	83	129236	21.259	ug/l	94
48) Methyl methacrylate	9.20	41	89225	21.675	ug/l #	87
49) 1,4-Dioxane	9.21	88	21020	514.633	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	508379	119.072	ug/l	93
52) Toluene	10.16	92	224917	20.727	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	103787	18.149	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	129143	18.905	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	87900	21.785	ug/l	96
56) Ethyl methacrylate	10.43	69	117345	22.170	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	152860	22.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	219003	102.431	ug/l #	88
59) 2-Hexanone	10.75	43	316507	115.803	ug/l	91
60) Dibromochloromethane	10.90	129	87671	21.450	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81350	21.097	ug/l	97
64) Tetrachloroethene	10.63	164	94702	21.217	ug/l	97
65) Chlorobenzene	11.43	112	234083	20.555	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	89077	20.897	ug/l	98
67) Ethyl Benzene	11.51	91	417566	20.319	ug/l	97
68) m/p-Xylenes	11.62	106	302460	39.771	ug/l	92
69) o-Xylene	11.95	106	148884	19.964	ug/l	93
70) Styrene	11.96	104	247628	20.768	ug/l	97
71) Bromoform	12.13	173	52055	20.845	ug/l #	98
73) Isopropylbenzene	12.25	105	396960	20.642	ug/l	98
74) N-amyl acetate	12.07	43	134949	22.525	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	107670	24.525	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120507	29.483	ug/l #	100
77) Bromobenzene	12.53	156	96184	20.724	ug/l	83
78) n-propylbenzene	12.59	91	422455	19.987	ug/l	96
79) 2-Chlorotoluene	12.67	91	267770	20.477	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	319471	20.246	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	17326	16.488	ug/l #	79
82) 4-Chlorotoluene	12.77	91	256345	20.183	ug/l	95
83) tert-Butylbenzene	12.99	119	273213	21.142	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	312530	20.790	ug/l	96
85) sec-Butylbenzene	13.17	105	343270	20.026	ug/l	96
86) p-Isopropyltoluene	13.29	119	287890	19.042	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	156709	20.167	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	148674	19.508	ug/l	98
89) n-Butylbenzene	13.62	91	211035	17.109	ug/l	97
90) Hexachloroethane	13.87	117	49140	19.144	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	159586	20.349	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15416	23.449	ug/l	82

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Quant Time: Apr 01 01:42:07 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

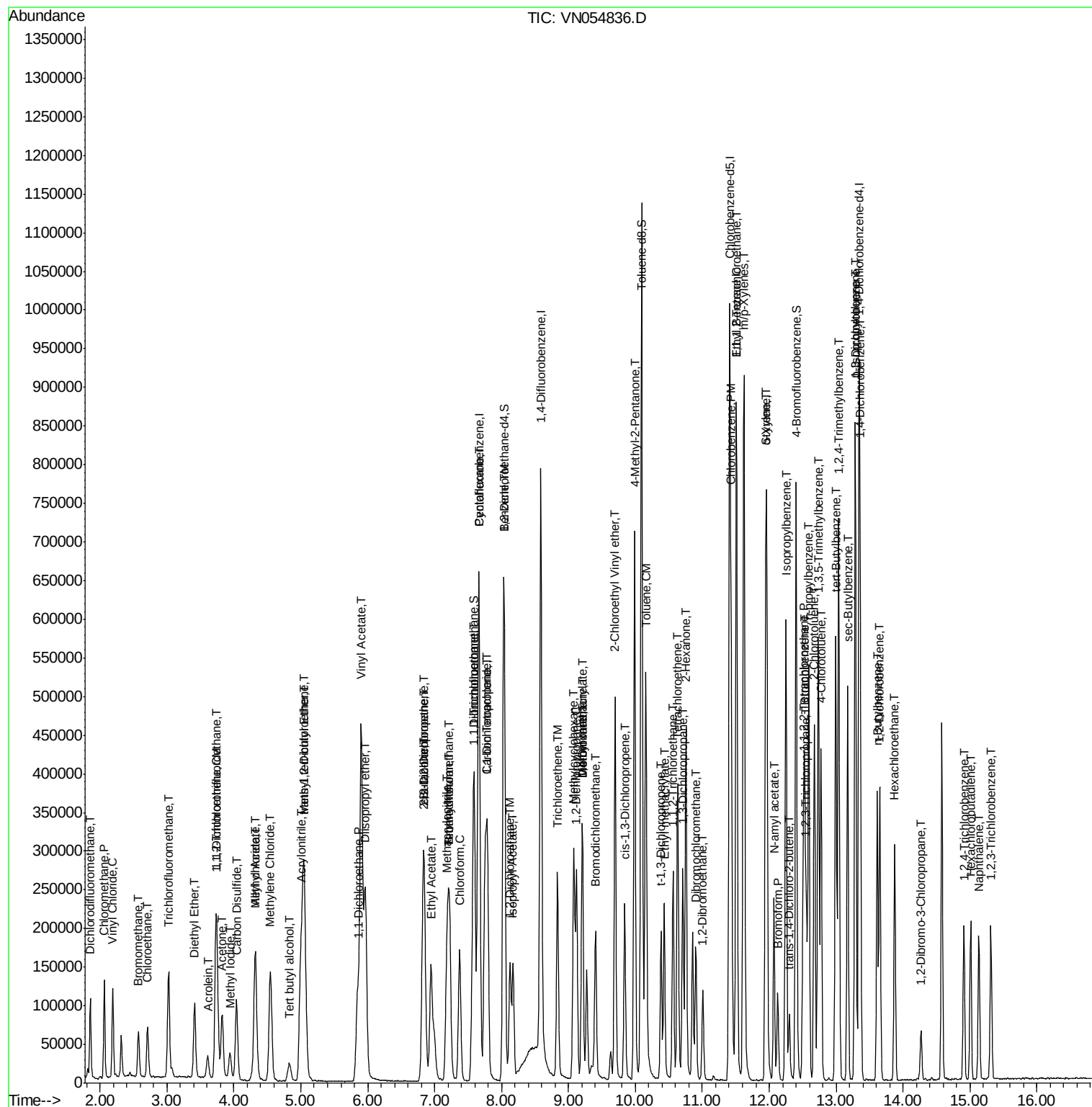
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65174	17.238	ug/l	97
94) Hexachlorobutadiene	15.01	225	41624	17.210	ug/l	98
95) Naphthalene	15.13	128	159629	18.825	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	69752	18.268	ug/l	98

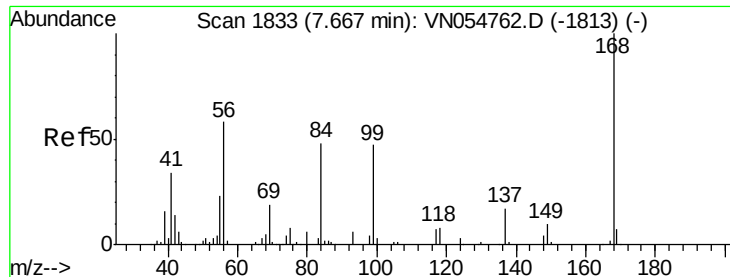
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 01:42:07 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

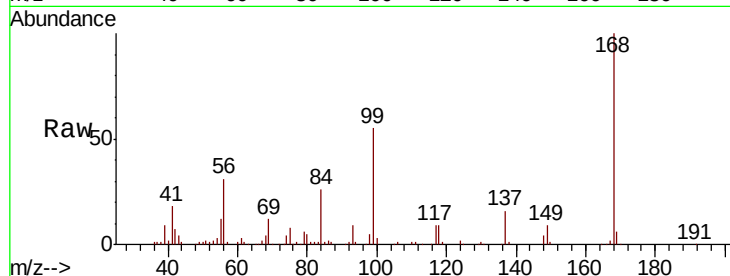
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 376245

Ion Ratio Lower Upper

168 100

99 53.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

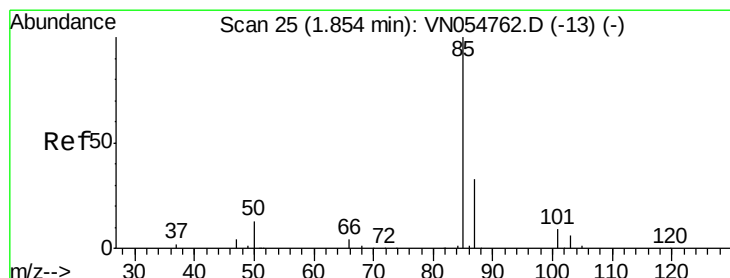
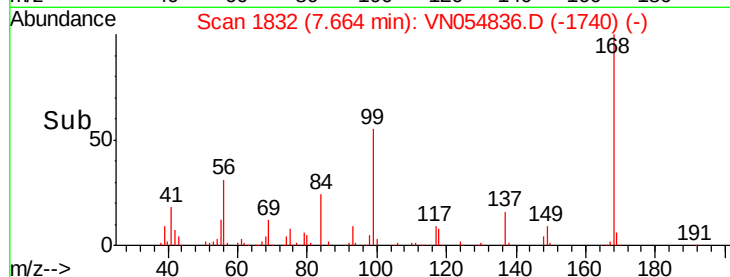
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.812 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054836.D

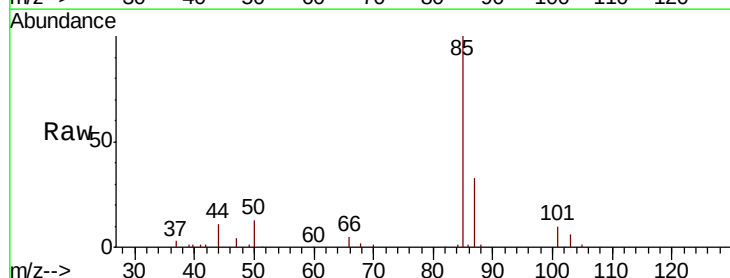
Acq: 31 Mar 2019 7:03

Tgt Ion: 85 Resp: 75398

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

50000

40000

30000

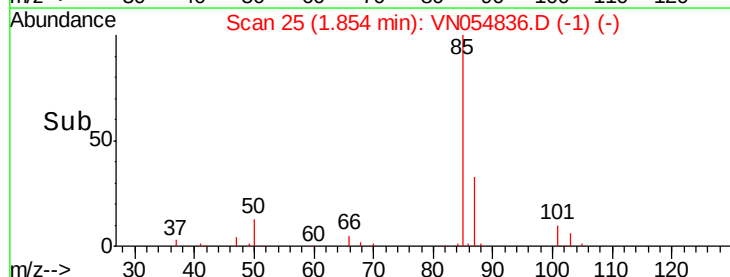
20000

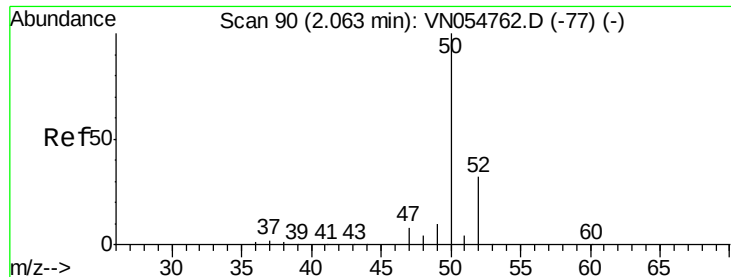
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.801 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

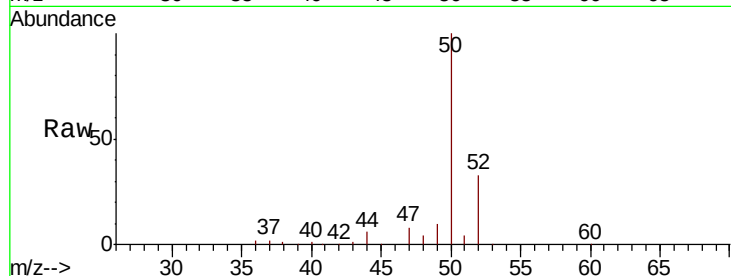
ClientSampled :

Tot Ion: 50 Resp: 109456

Ion Ratio Lower Upper

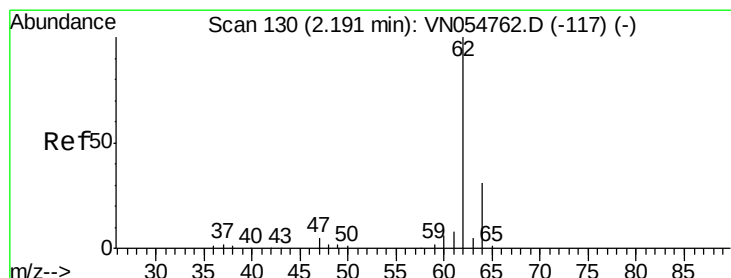
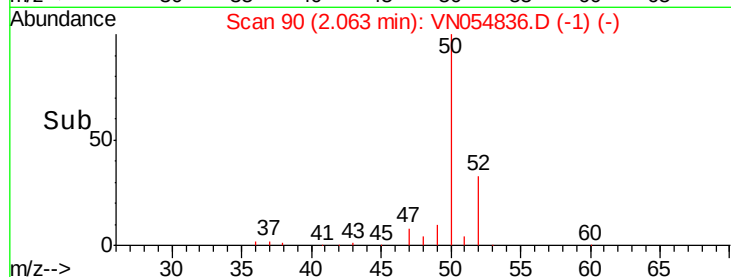
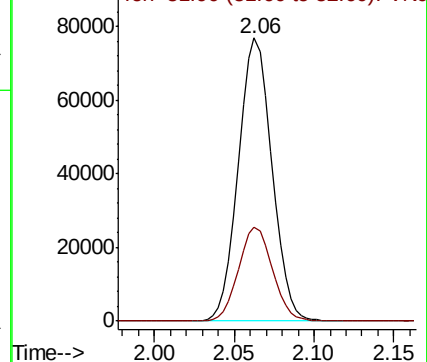
50 100

52 33.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 21.406 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054836.D

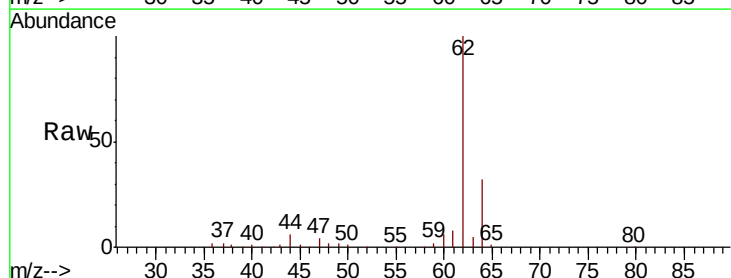
Acq: 31 Mar 2019 7:03

Tgt Ion: 62 Resp: 101152

Ion Ratio Lower Upper

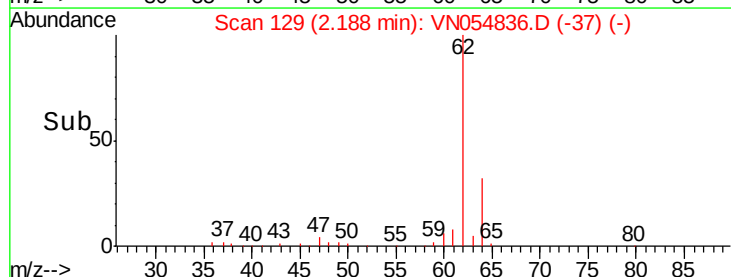
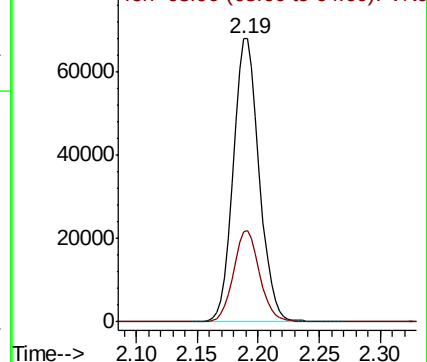
62 100

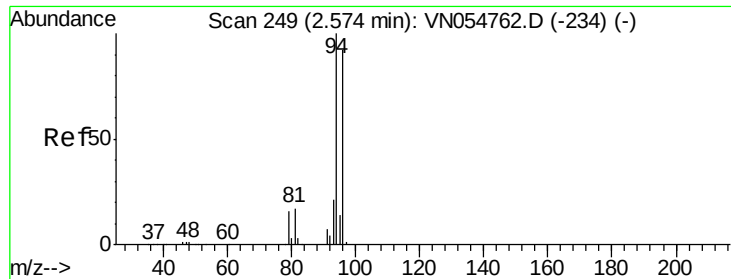
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 13.469 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

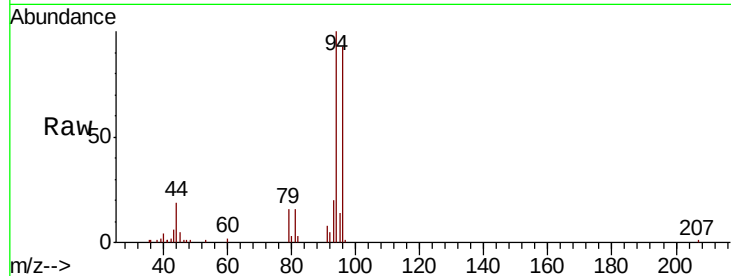
ClientSampleId :

Tot Ion: 94 Resp: 37439

Ion Ratio Lower Upper

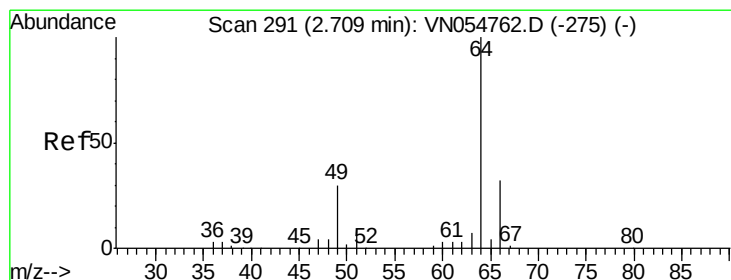
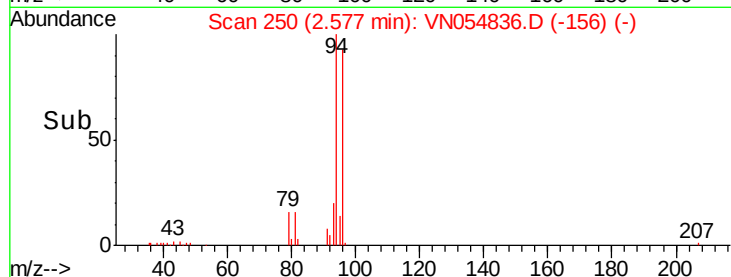
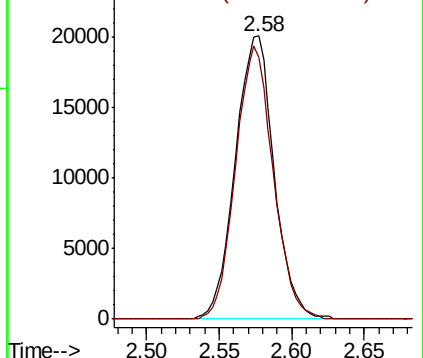
94 100

96 92.6 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: 22.802 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054836.D

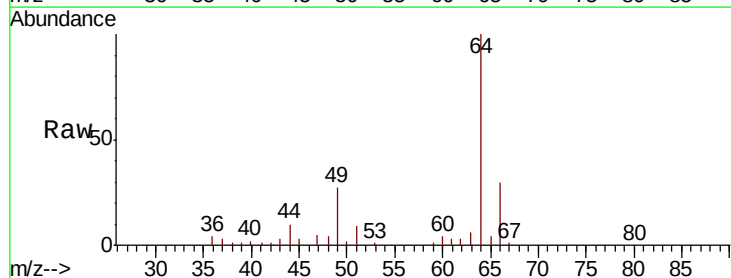
Acq: 31 Mar 2019 7:03

Tgt Ion: 64 Resp: 60168

Ion Ratio Lower Upper

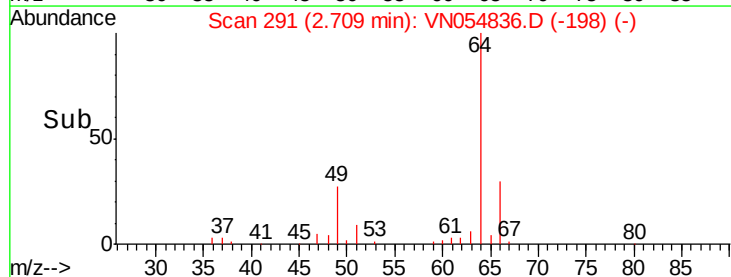
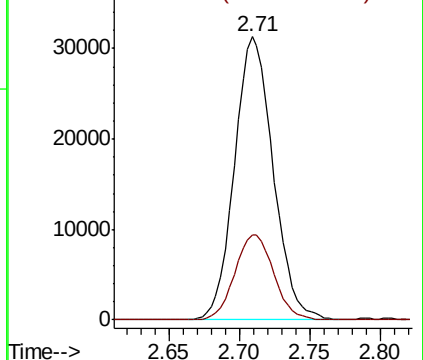
64 100

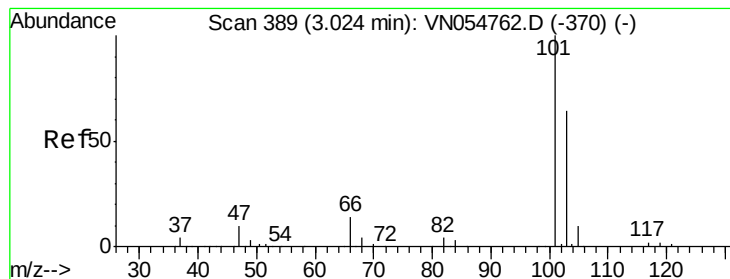
66 30.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



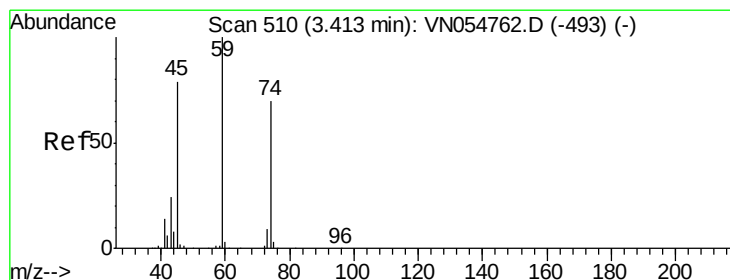
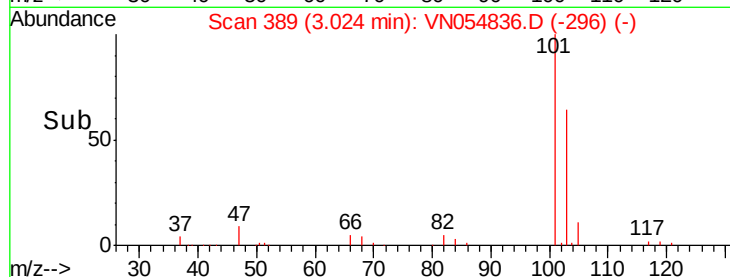
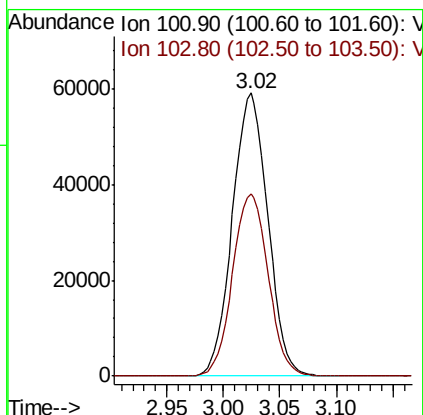
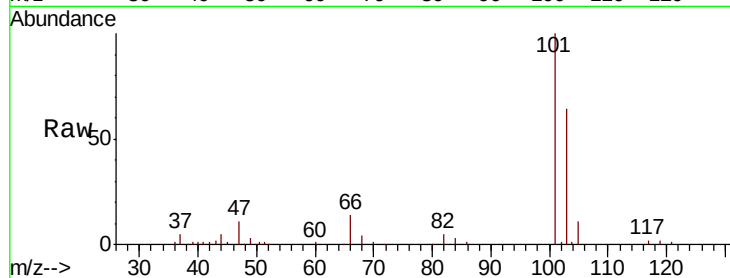


#7

Trichlorofluoromethane
Concen: 22.224 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampled :

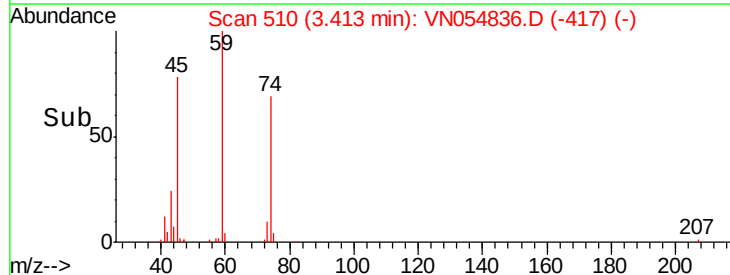
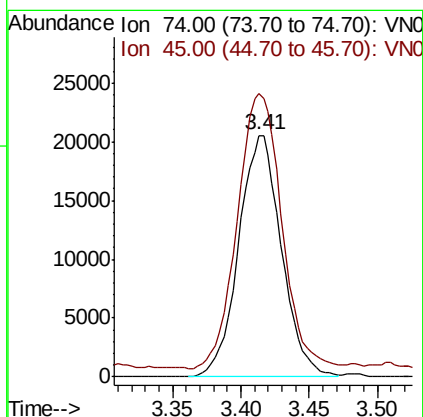
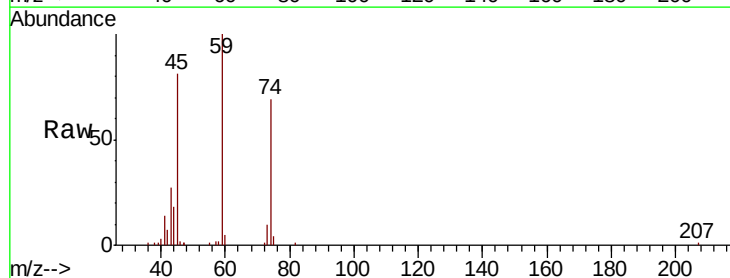
Tot Ion:101 Resp: 129115
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

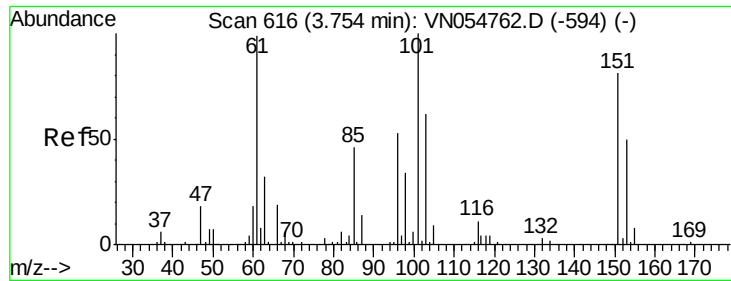


#8

Diethyl Ether
Concen: 23.844 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 74 Resp: 44605
Ion Ratio Lower Upper
74 100
45 118.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.323 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

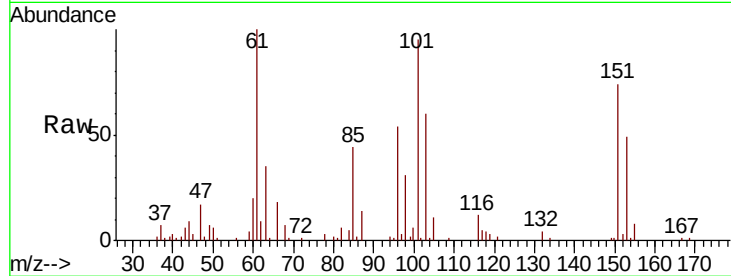
Tot Ion:101 Resp: 62155

Ion Ratio Lower Upper

101 100

85 47.1 32.4 48.6

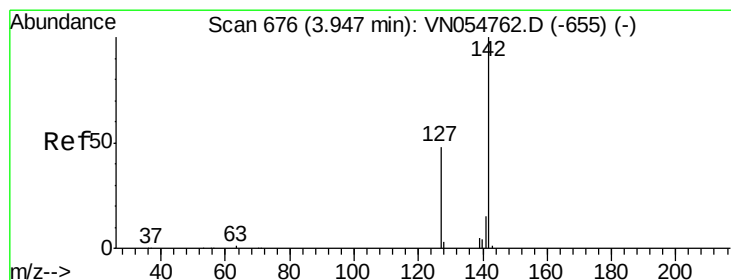
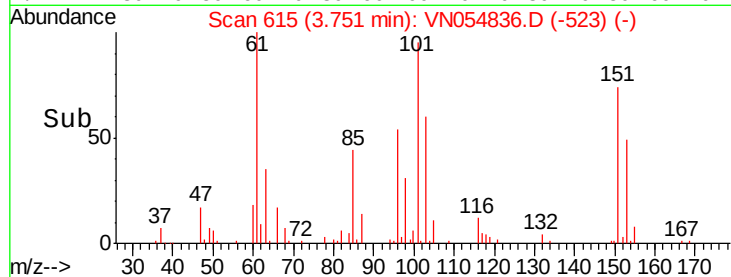
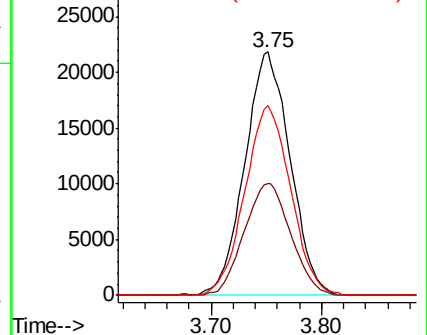
151 78.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.538 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

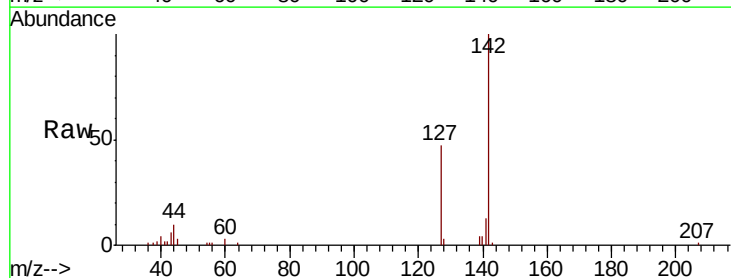
Tgt Ion:142 Resp: 48309

Ion Ratio Lower Upper

142 100

127 49.2 30.3 45.5#

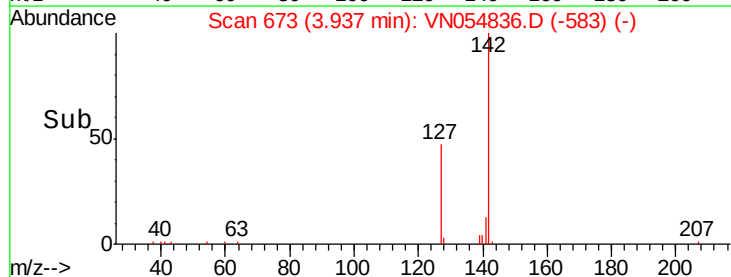
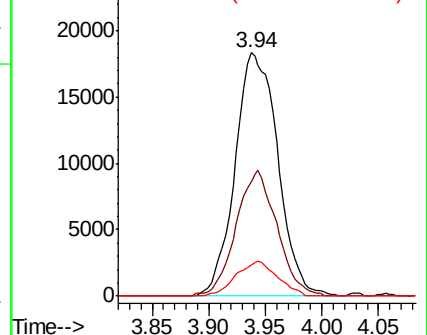
141 13.9 11.2 16.8

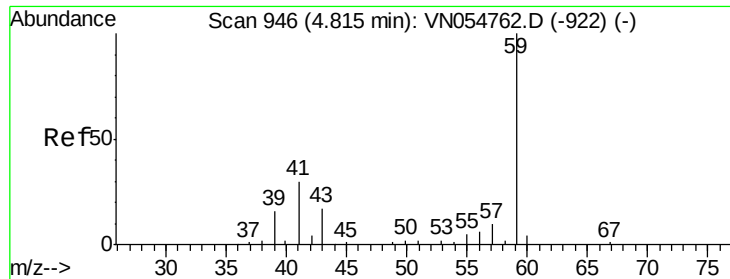


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

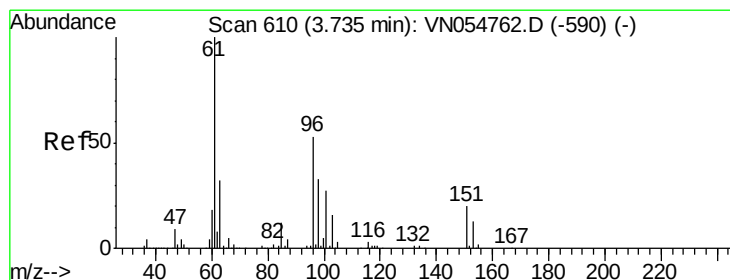
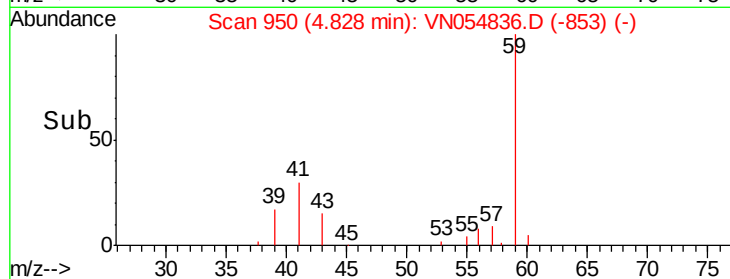
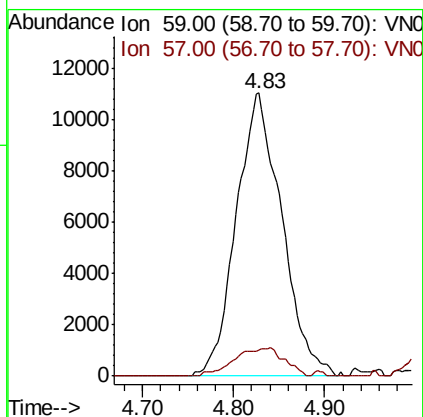
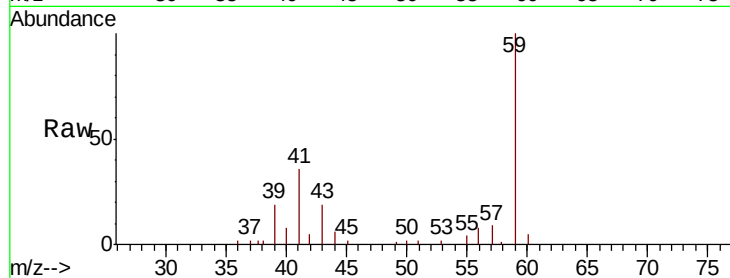




#11
Tert butyl alcohol
Concen: 144.989 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.01 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

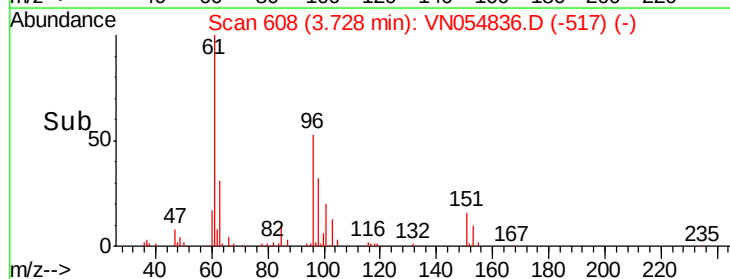
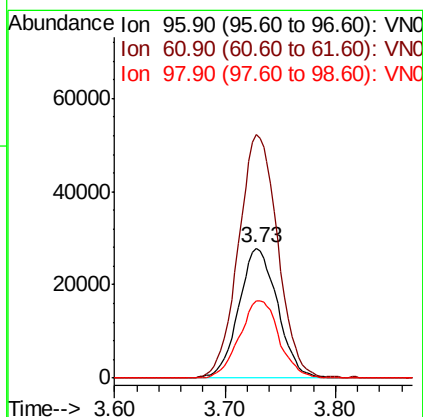
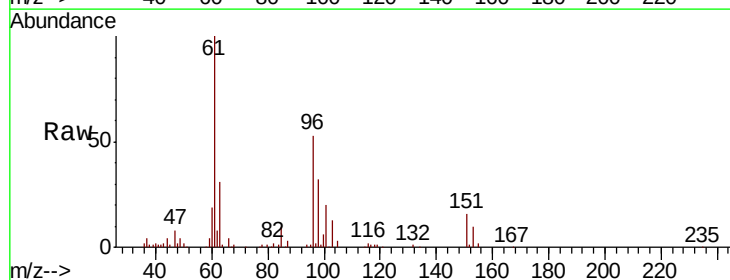
Instrument :
MSVOA_N
ClientSampleId :

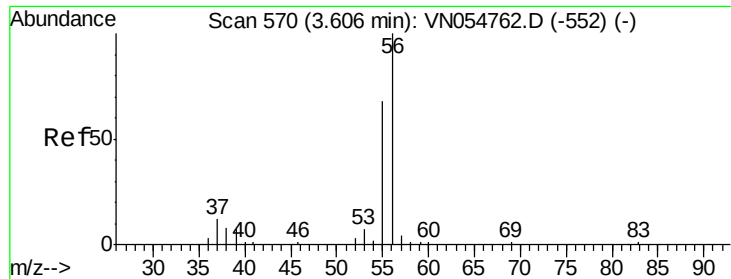
Tot Ion: 59 Resp: 38314
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.6



#12
1,1-Dichloroethene
Concen: 22.955 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 96 Resp: 67891
Ion Ratio Lower Upper
96 100
61 187.3 116.5 174.7#
98 59.3 51.0 76.4





#13

Acrolein

Concen: 128.387 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

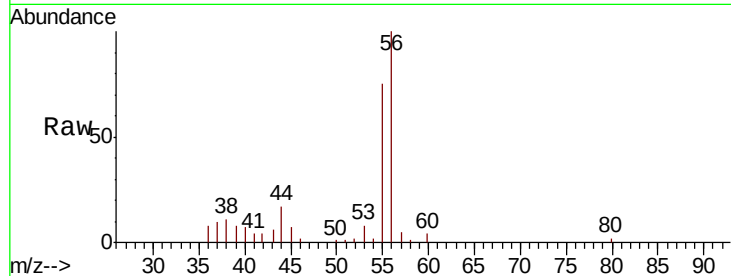
ClientSampleId :

Tot Ion: 56 Resp: 30330

Ion Ratio Lower Upper

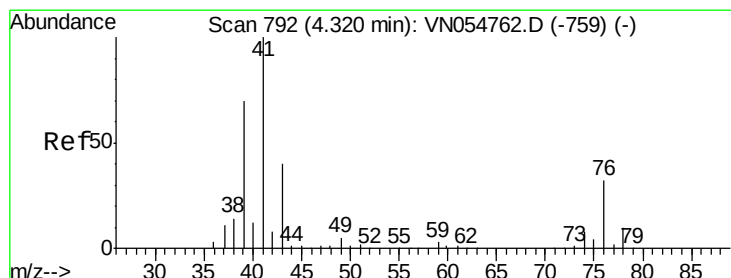
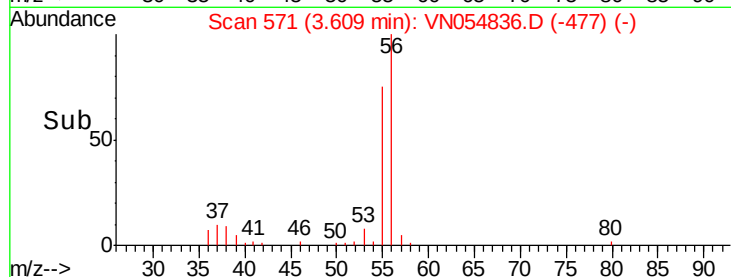
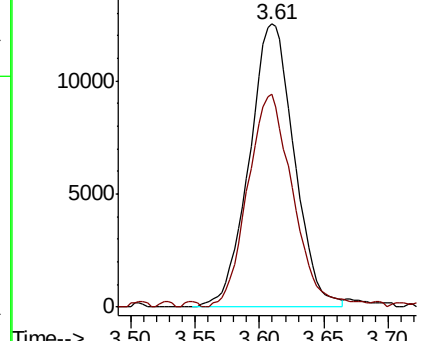
56 100

55 76.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054762.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN054762.D (-552) (-)



#14

Allyl chloride

Concen: 20.498 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

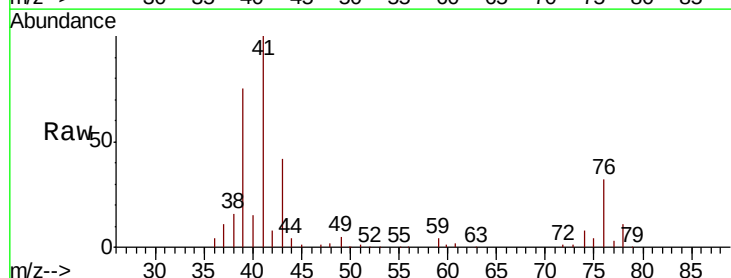
Tgt Ion: 41 Resp: 149324

Ion Ratio Lower Upper

41 100

39 69.4 58.2 87.4

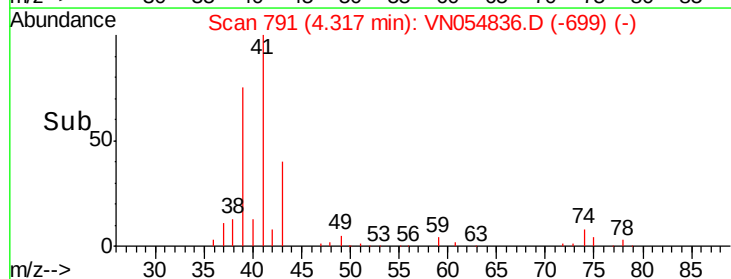
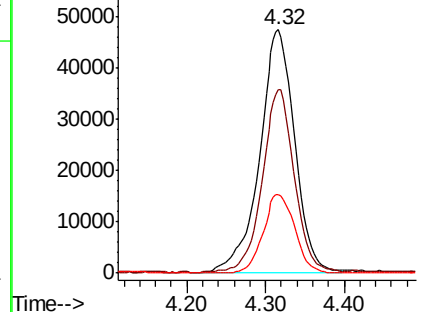
76 29.0 31.7 47.5#

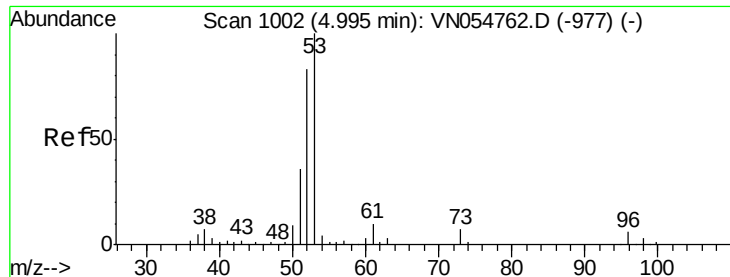


Abundance Ion 41.00 (40.70 to 41.70): VN054762.D (-759) (-)

Ion 39.00 (38.70 to 39.70): VN054762.D (-759) (-)

Ion 75.90 (75.60 to 76.60): VN054762.D (-759) (-)





#15

Acrylonitrile

Concen: 127.801 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

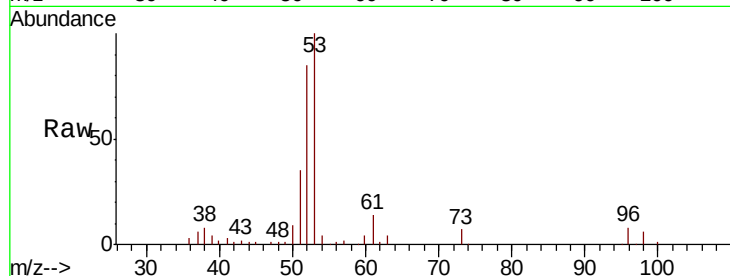
Tot Ion: 53 Resp: 187715

Ion Ratio Lower Upper

53 100

52 83.9 66.4 99.6

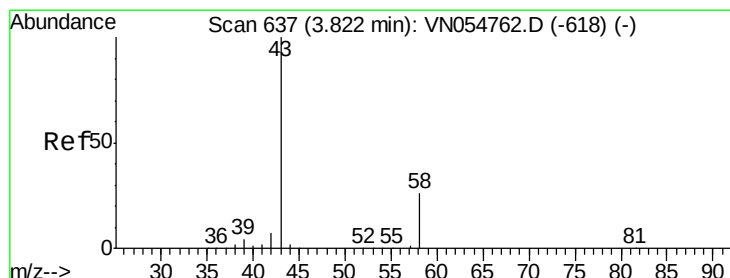
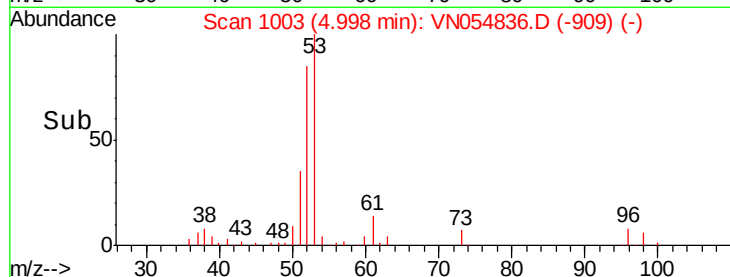
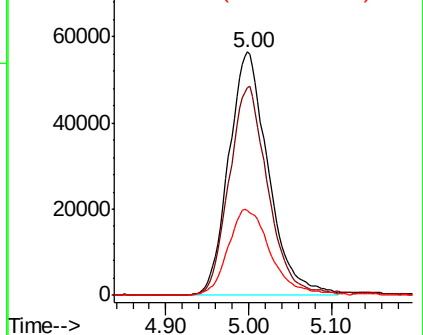
51 38.0 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 114.429 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054836.D

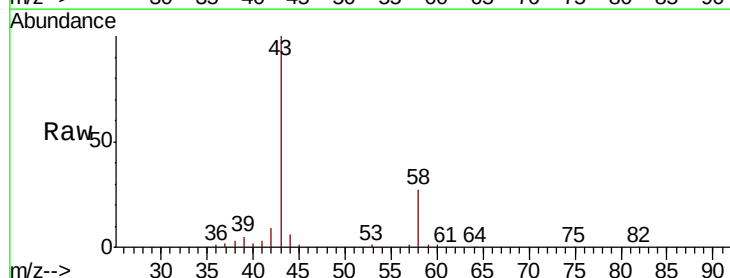
Acq: 31 Mar 2019 7:03

Tgt Ion: 43 Resp: 138398

Ion Ratio Lower Upper

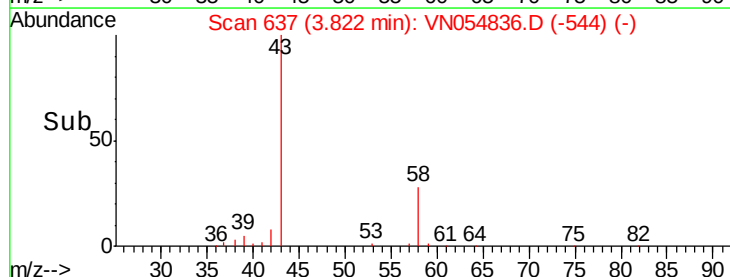
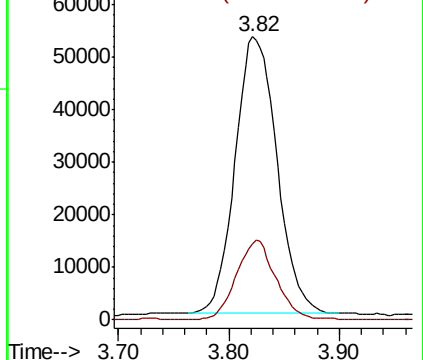
43 100

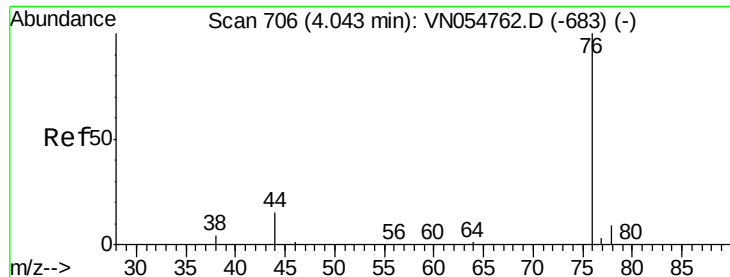
58 27.3 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.967 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

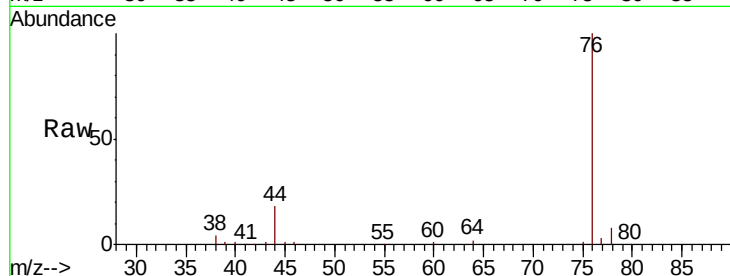
ClientSampled :

Tot Ion: 76 Resp: 191535

Ion Ratio Lower Upper

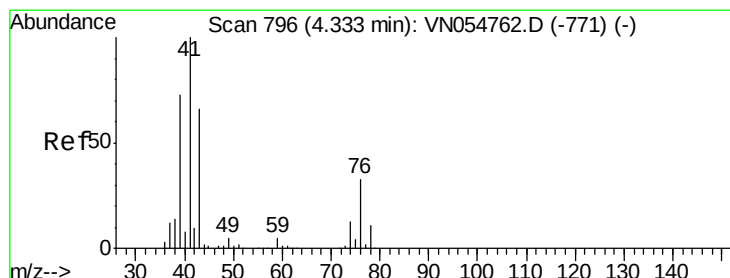
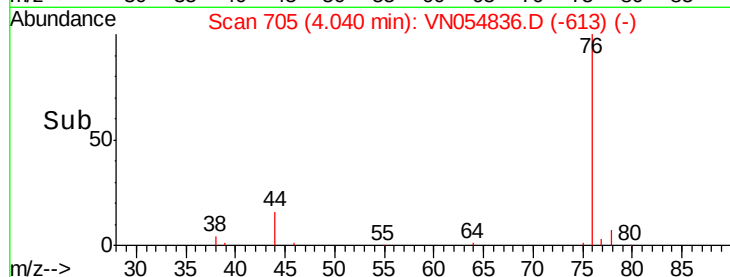
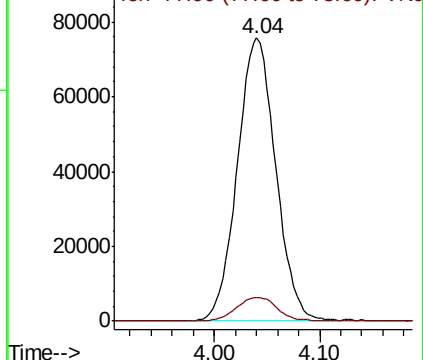
76 100

78 8.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 27.455 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054836.D

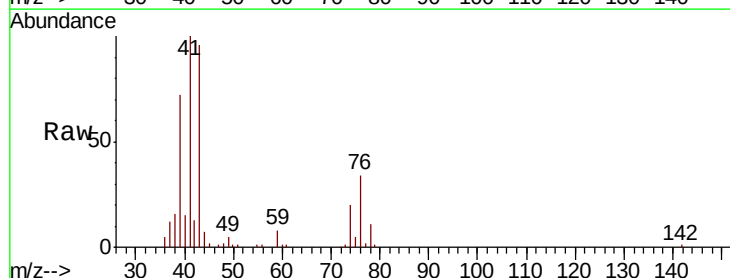
Acq: 31 Mar 2019 7:03

Tgt Ion: 43 Resp: 87796

Ion Ratio Lower Upper

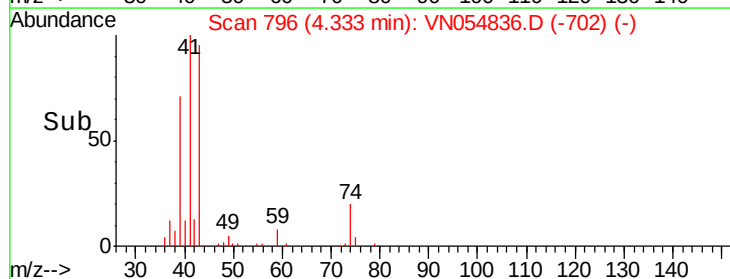
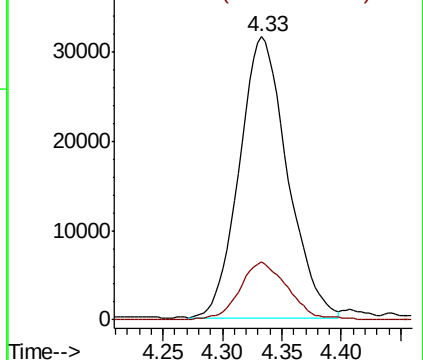
43 100

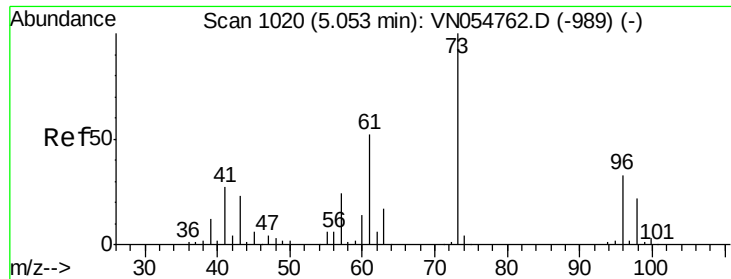
74 20.4 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

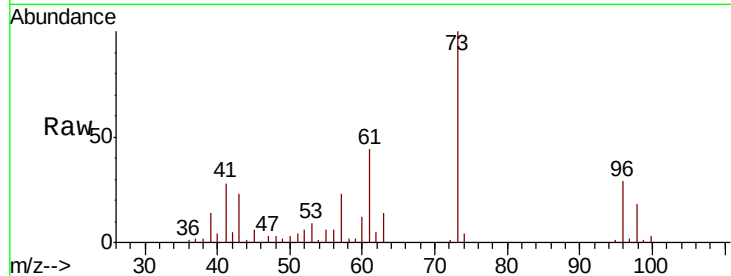




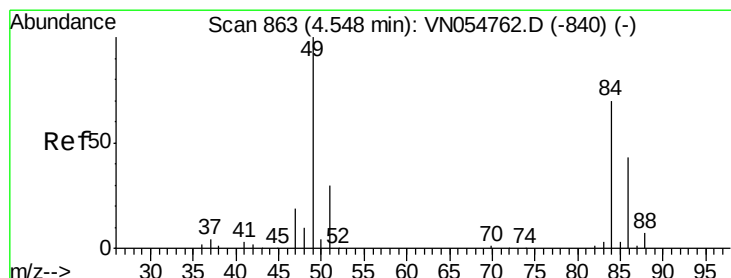
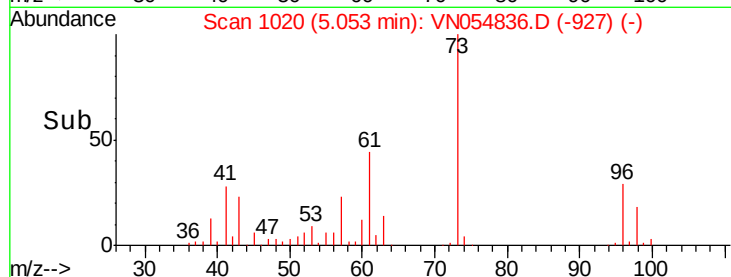
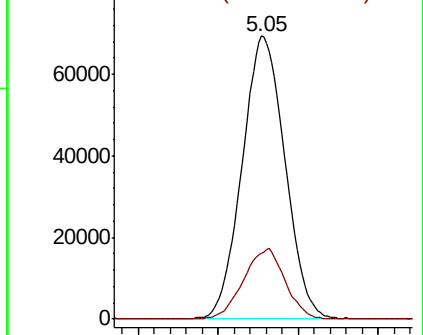
#19
Methvl tert-butvl Ether
Concen: 24.543 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 253905
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2

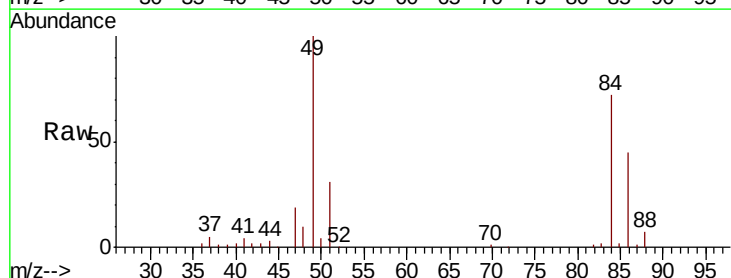


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

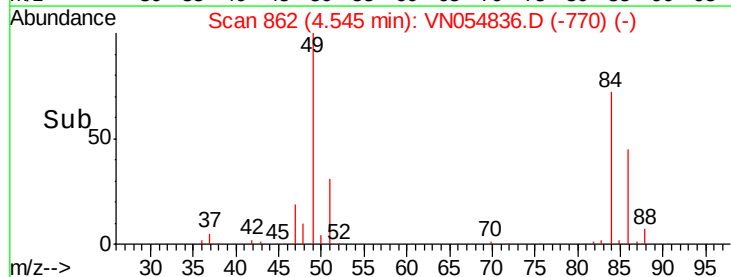
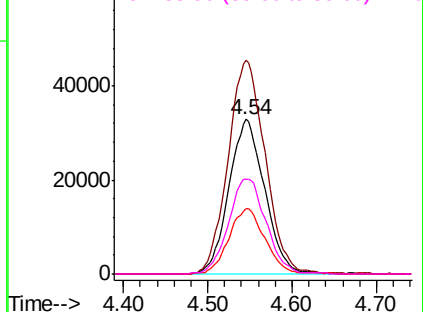


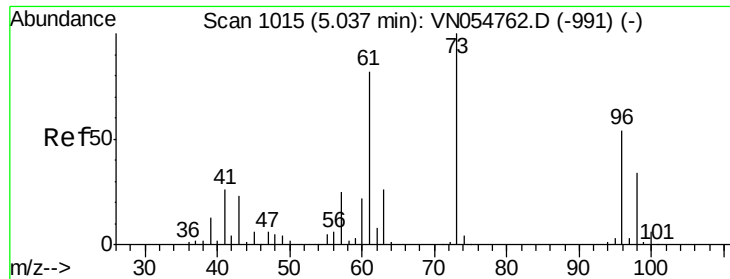
#20
Methylene Chloride
Concen: 22.771 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 84 Resp: 97146
Ion Ratio Lower Upper
84 100
49 138.2 89.7 134.5#
51 42.5 28.2 42.4#
86 61.6 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: 22.429 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

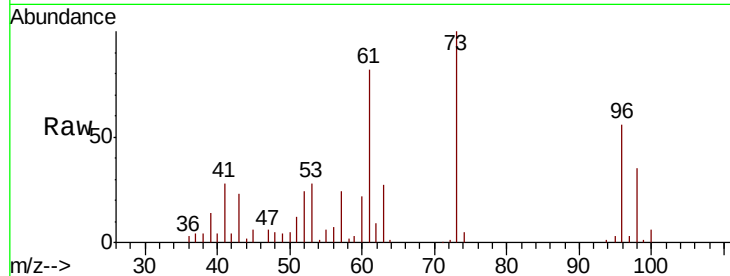
Tot Ion: 96 Resp: 87129

Ion Ratio Lower Upper

96 100

61 146.5 102.8 154.2

98 63.3 50.0 75.0

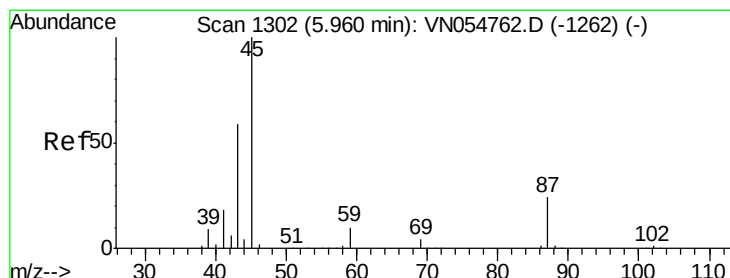
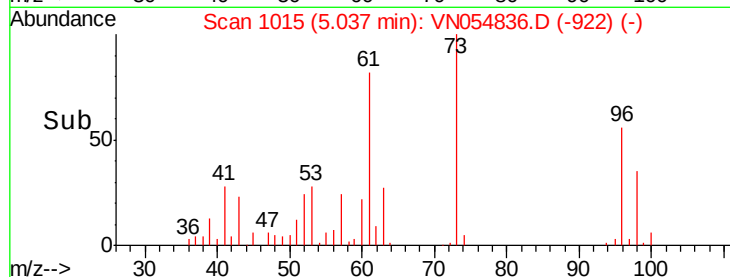
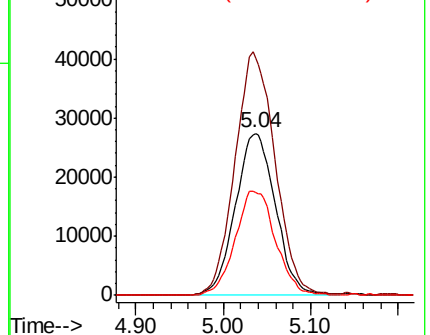


Abundance

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: 23.543 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion: 45 Resp: 339201

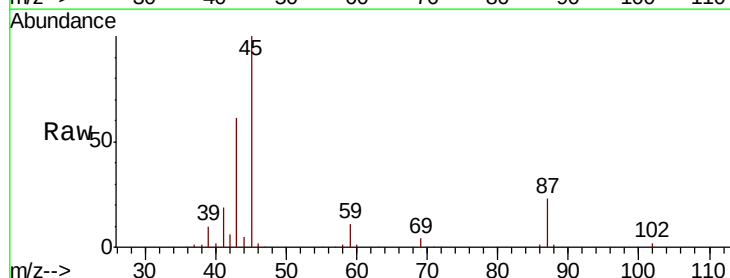
Ion Ratio Lower Upper

45 100

43 58.6 48.2 72.2

87 23.0 24.9 37.3#

59 10.4 9.5 14.3



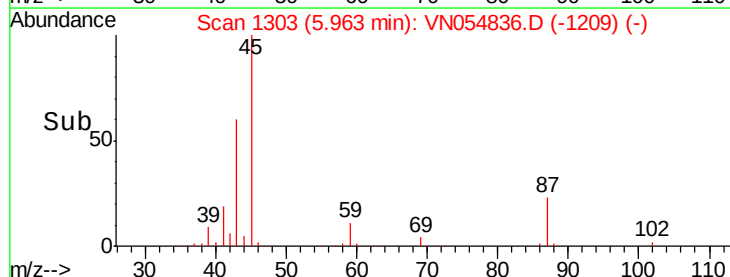
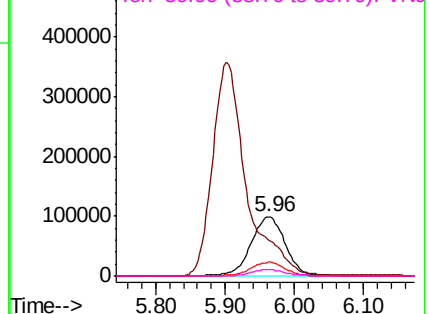
Abundance

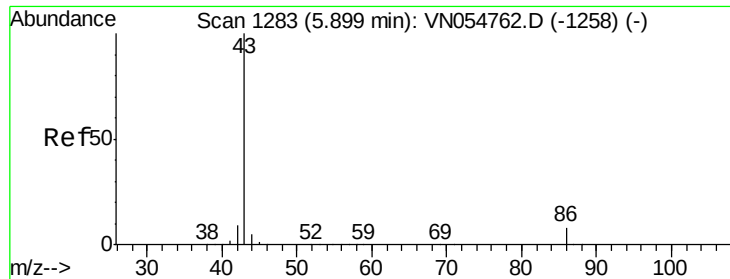
Ion 45.00 (44.70 to 45.70): VN0

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

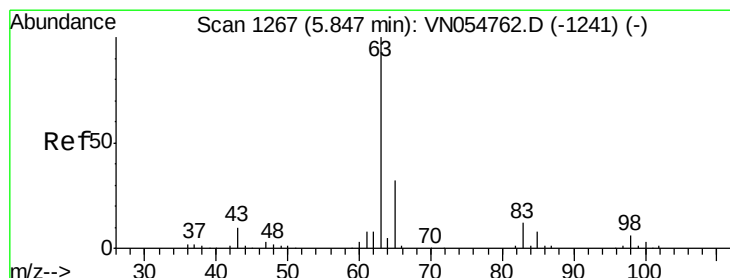
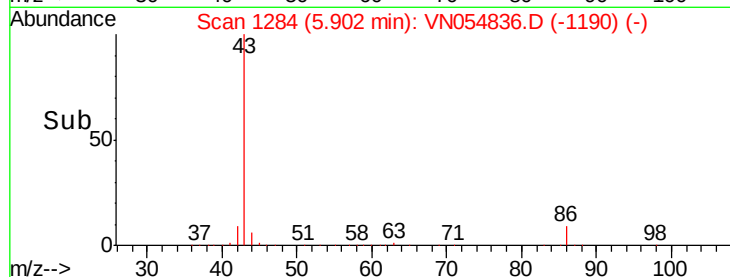
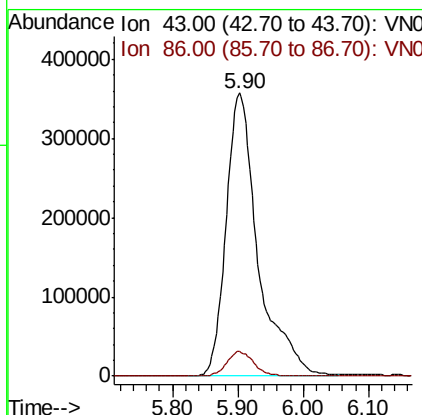
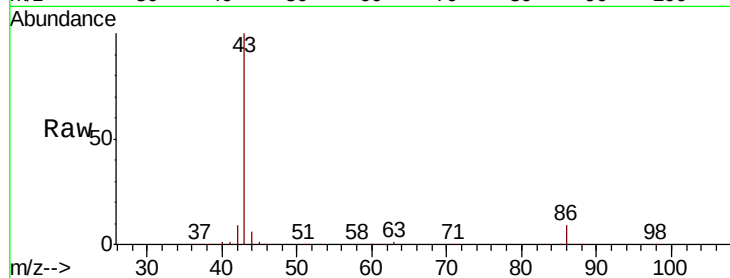




#23
 Vinyl Acetate
 Concen: 121.047 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

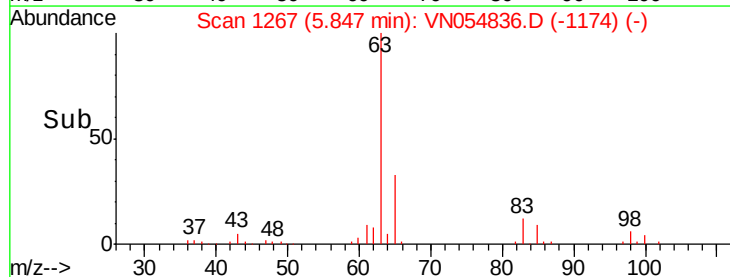
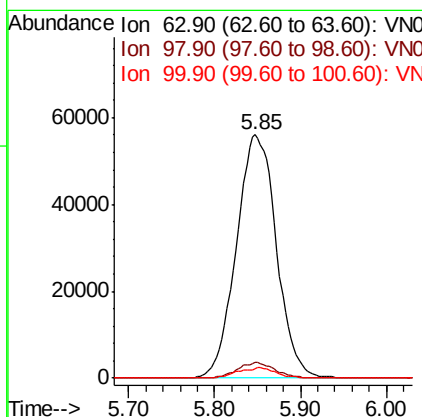
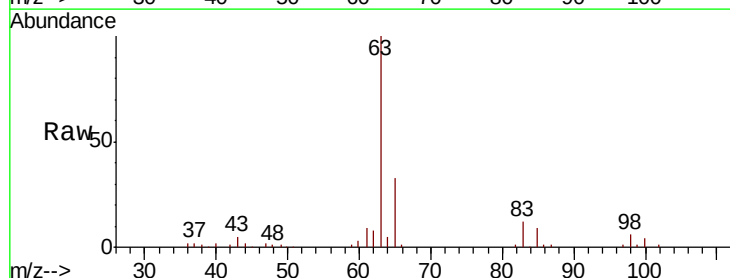
Instrument :
 MSVOA_N
 ClientSampled :

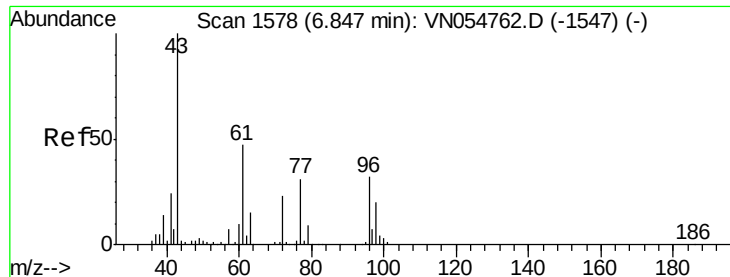
Tot Ion: 43 Resp: 1213684
 Ion Ratio Lower Upper
 43 100
 86 8.7 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 23.592 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 63 Resp: 181324
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.0 2.0 6.0

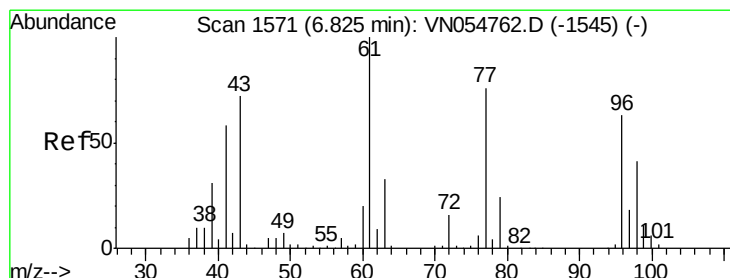
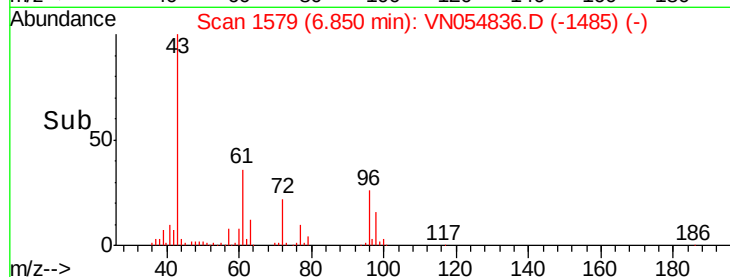
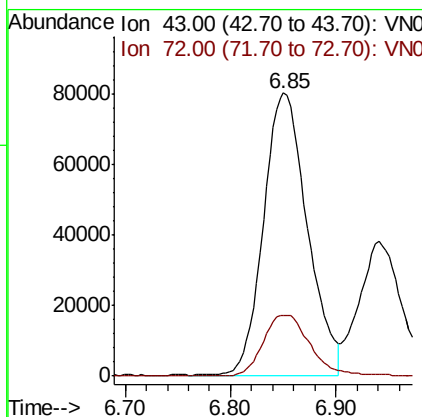
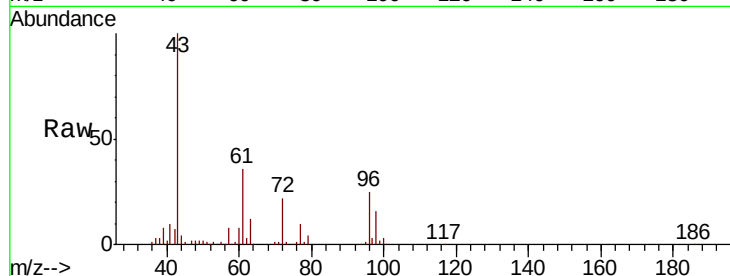




#25
2-Butanone
Concen: 129.112 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

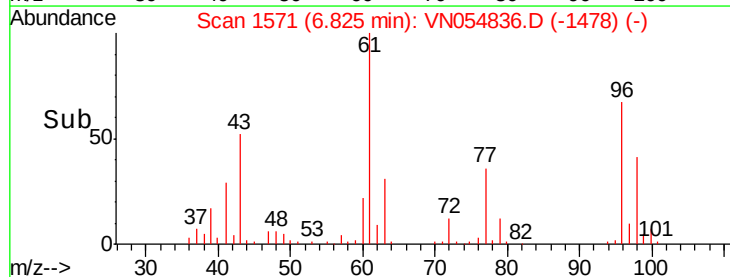
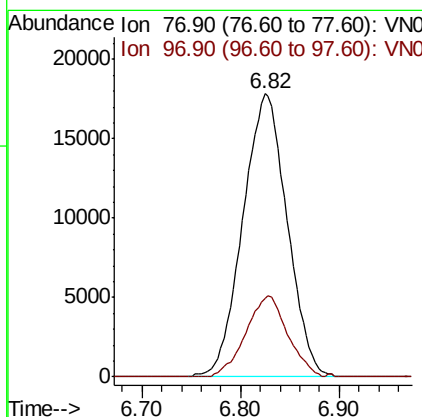
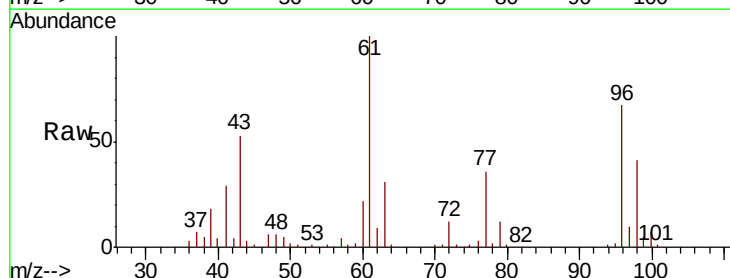
Instrument :
MSVOA_N
ClientSampled :

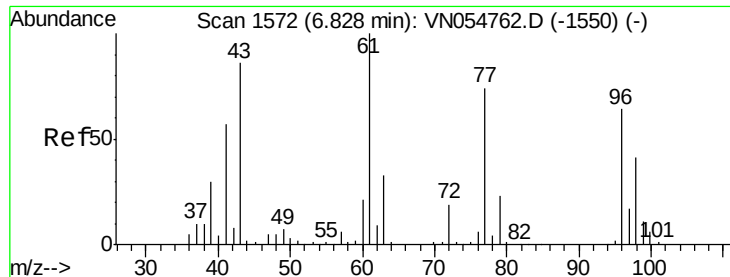
Tot Ion: 43 Resp: 230829
Ion Ratio Lower Upper
43 100
72 21.7 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 10.285 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 77 Resp: 55405
Ion Ratio Lower Upper
77 100
97 27.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 23.161 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :

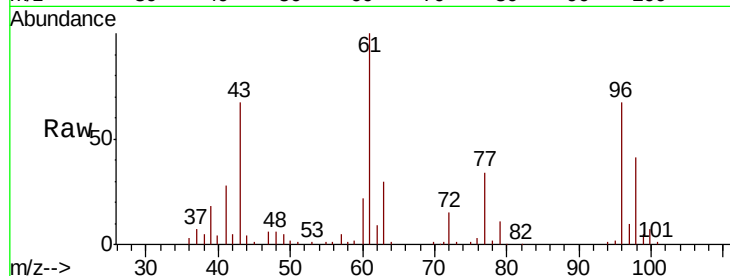
Tot Ion: 96 Resp: 101641

Ion Ratio Lower Upper

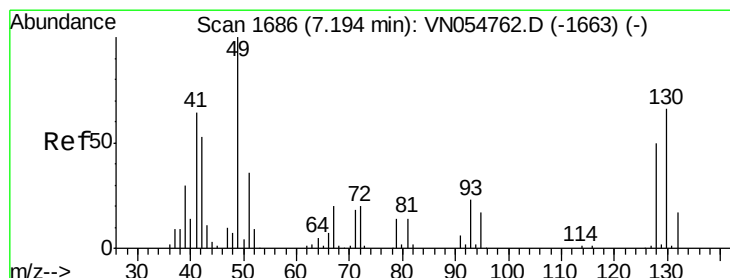
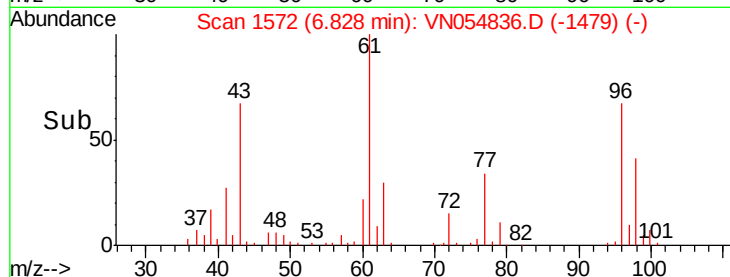
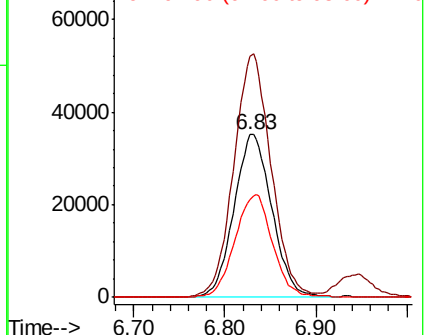
96 100

61 147.6 0.0 273.0

98 62.5 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: 23.950 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

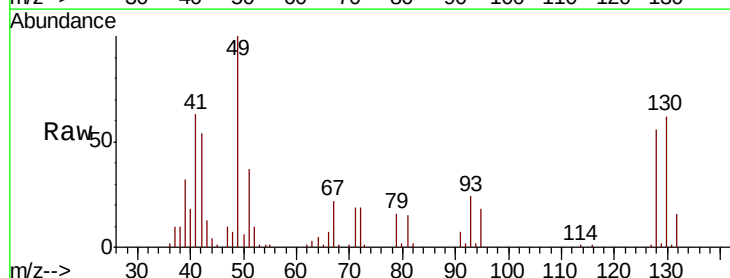
Tgt Ion: 49 Resp: 92046

Ion Ratio Lower Upper

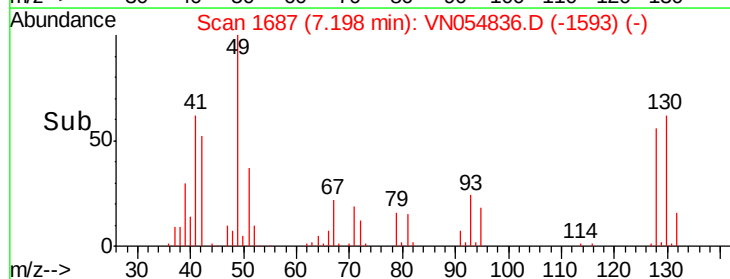
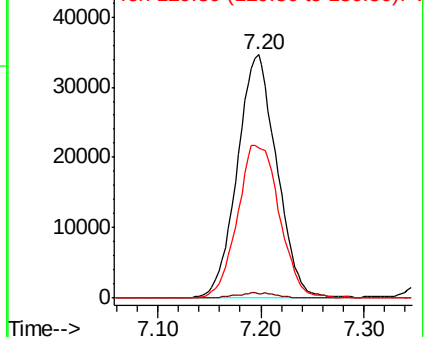
49 100

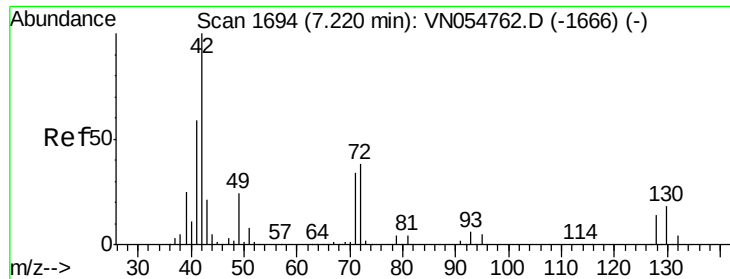
129 2.1 0.0 4.6

130 66.7 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

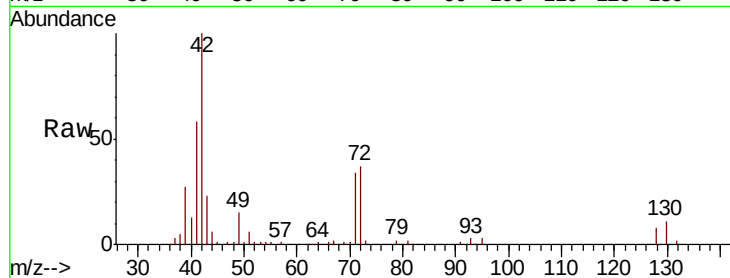




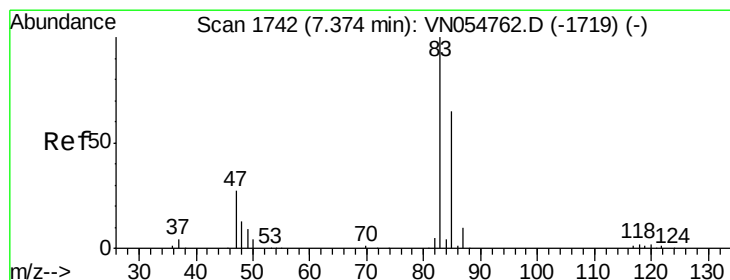
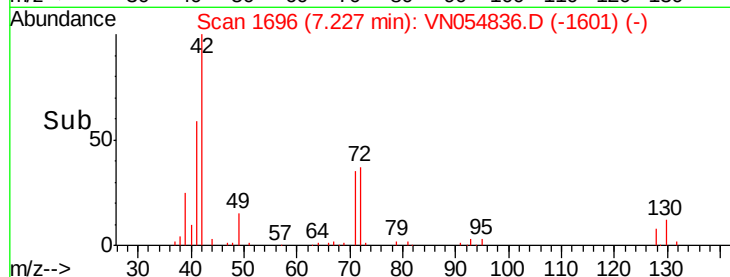
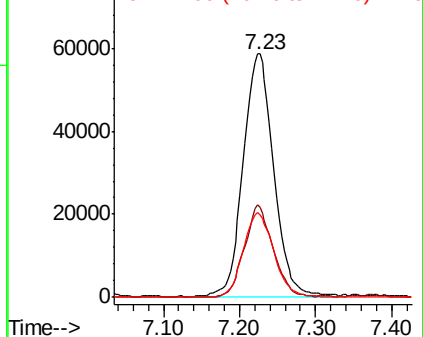
#29
Tetrahydrofuran
Concen: 131.395 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 163157
Ion Ratio Lower Upper
42 100
72 35.7 37.8 56.6#
71 35.0 36.2 54.2#

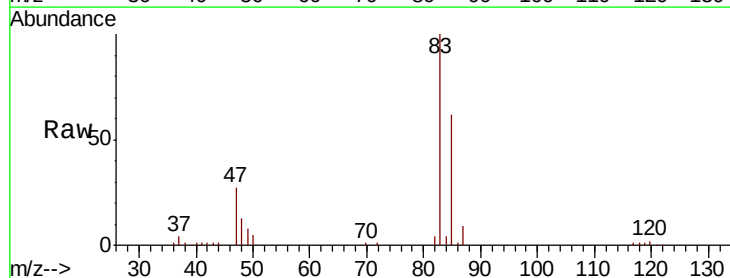


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

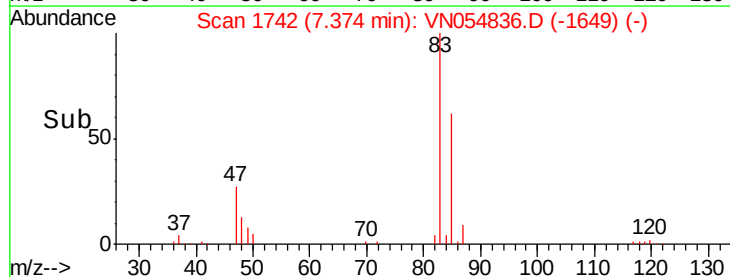
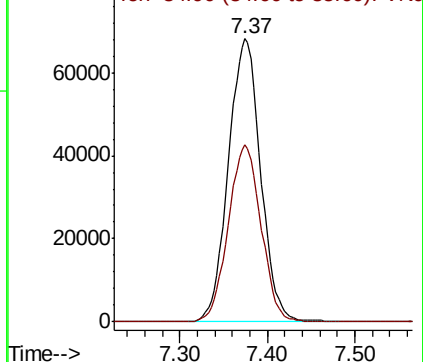


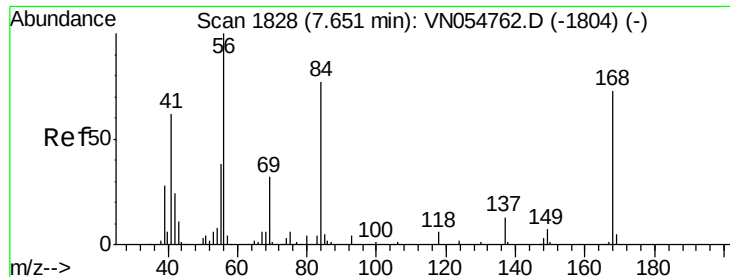
#30
Chloroform
Concen: 23.755 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 83 Resp: 174096
Ion Ratio Lower Upper
83 100
85 62.4 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

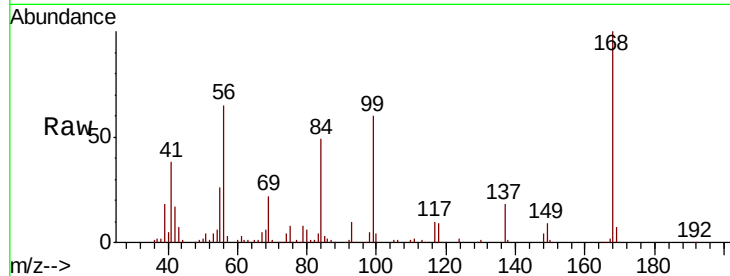




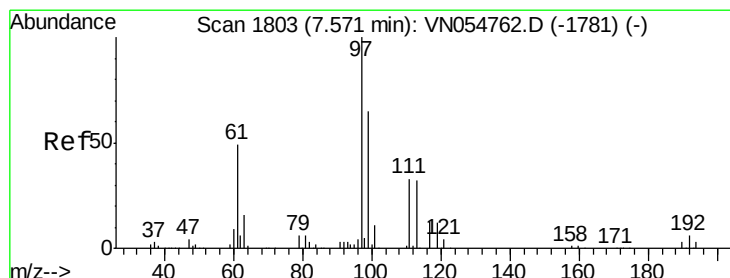
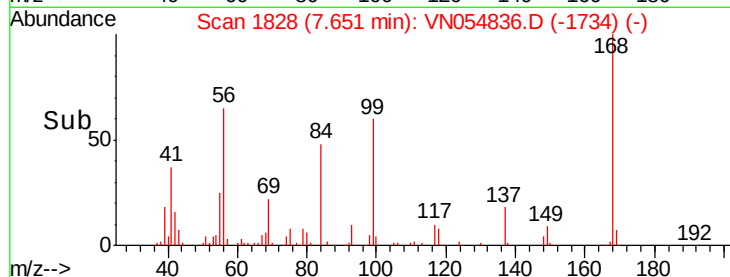
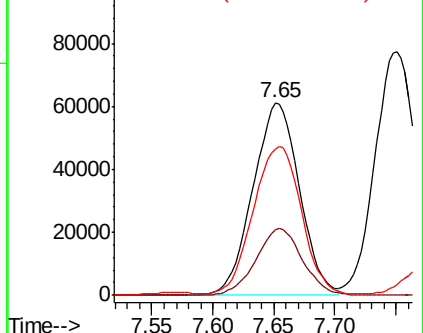
#31
Cyclohexane
Concen: 21.937 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 161726
Ion Ratio Lower Upper
56 100
69 34.3 27.8 41.6
84 74.7 74.6 111.8

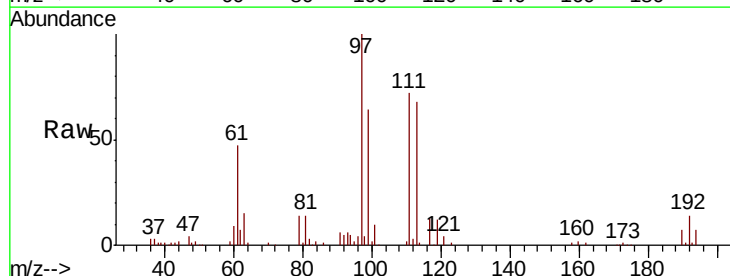


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

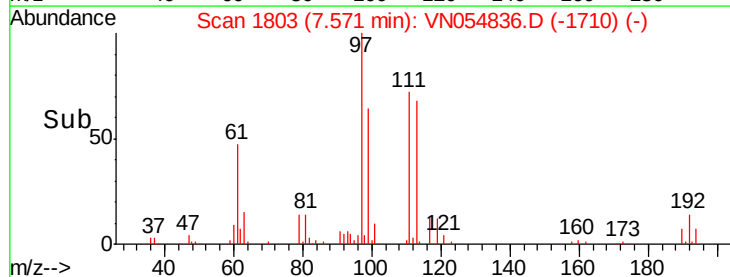
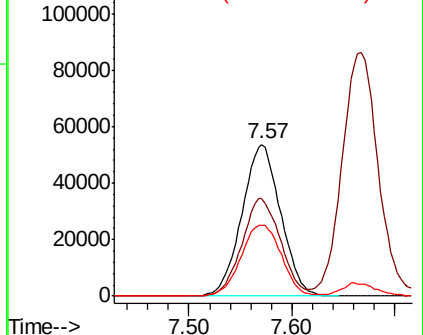


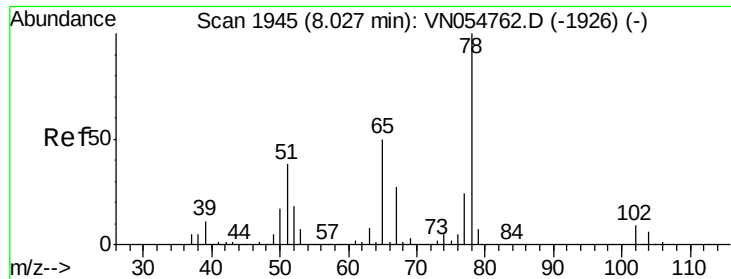
#32
1,1,1-Trichloroethane
Concen: 23.027 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 97 Resp: 139854
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 49.2 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

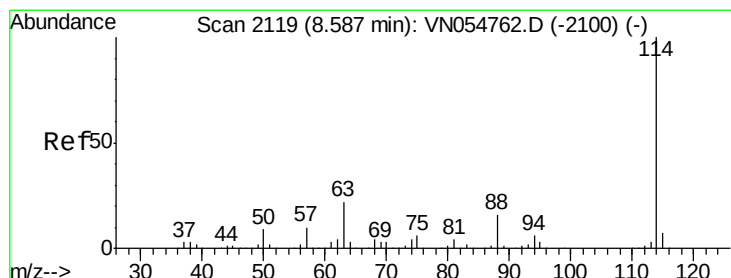
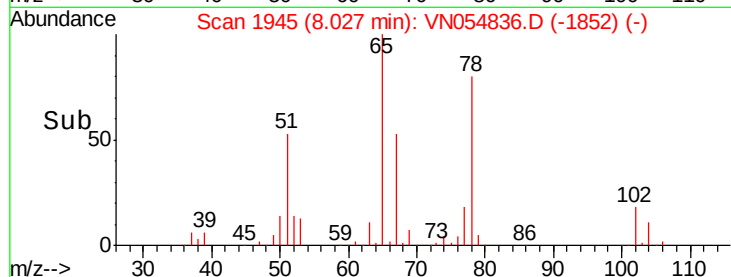
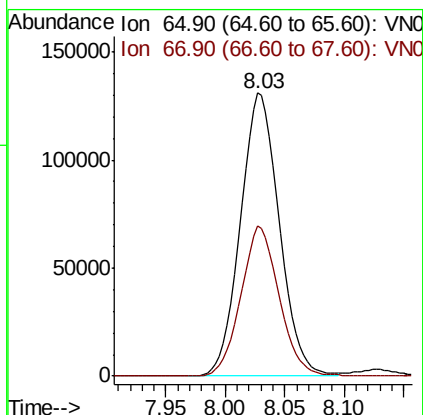
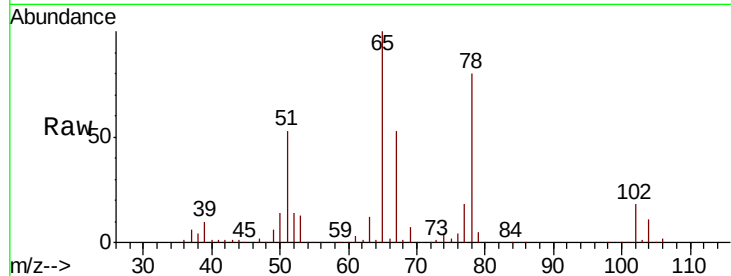




#33
 1,2-Dichloroethane-d4
 Concen: 58.485 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

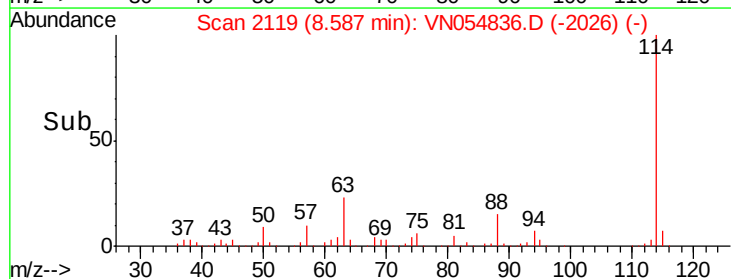
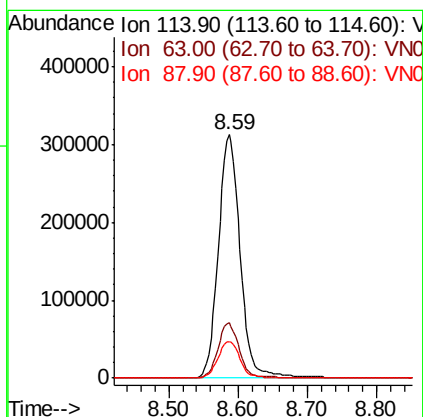
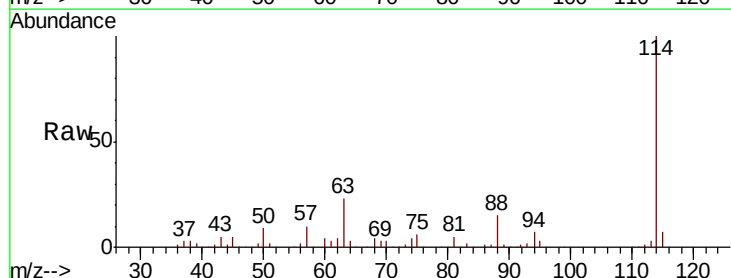
Instrument :
 MSVOA_N
 ClientSampled :

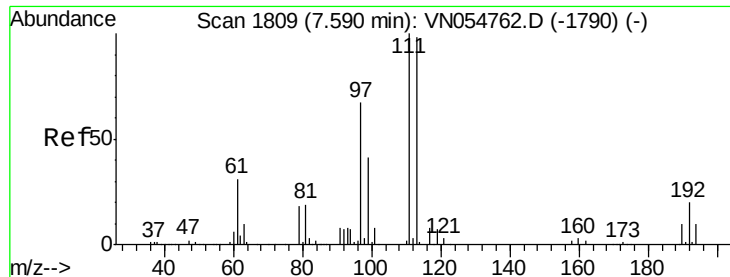
Tot Ion: 65 Resp: 296628
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 114 Resp: 683956
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 35.2
 88 15.1 0.0 30.2

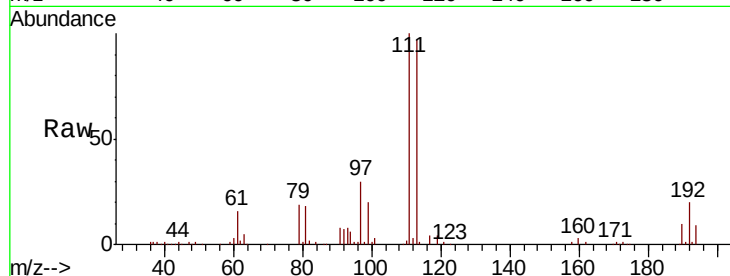




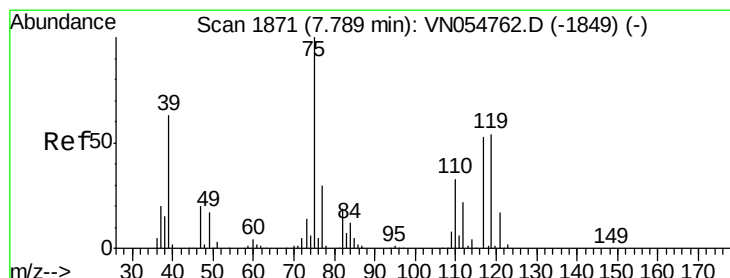
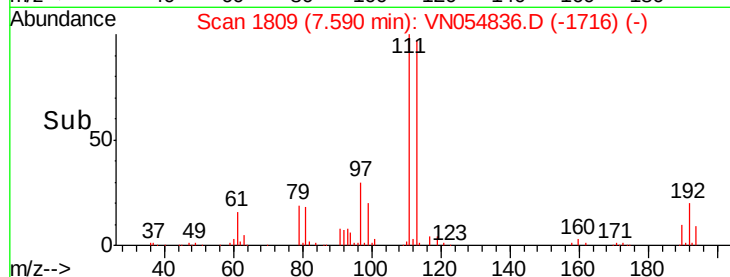
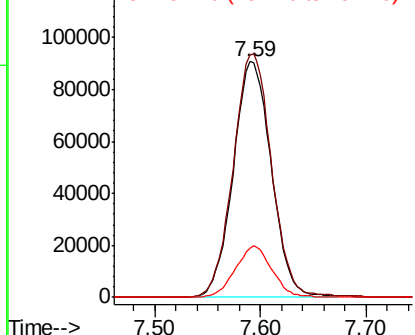
#35
 Dibromofluoromethane
 Concen: 49.930 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 227674
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.2 123.4
 192 20.9 19.2 28.8

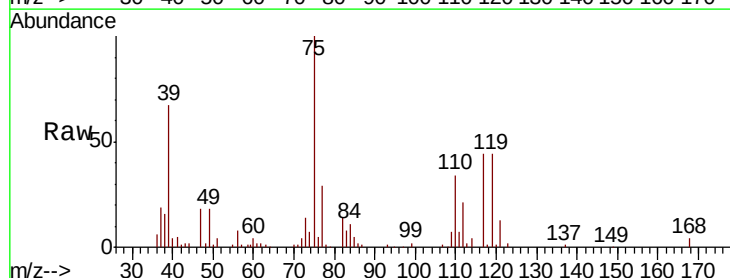


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

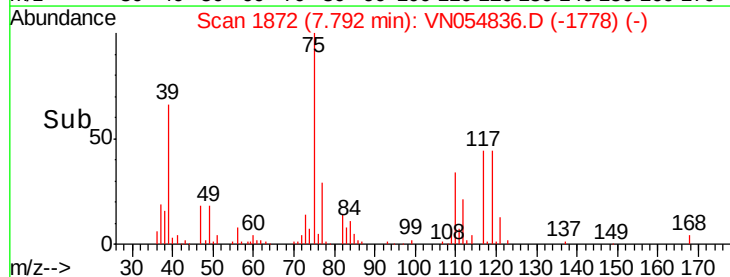
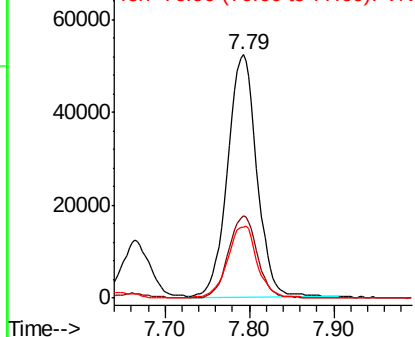


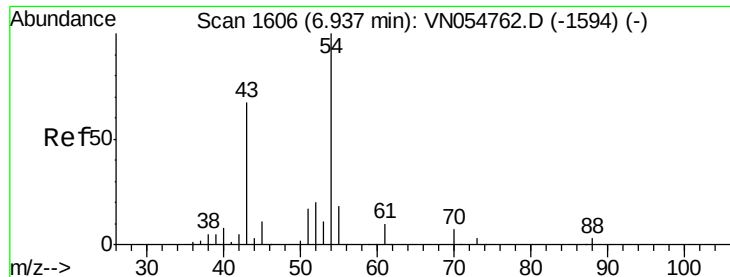
#36
 1,1-Dichloropropene
 Concen: 19.854 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 75 Resp: 126533
 Ion Ratio Lower Upper
 75 100
 110 33.4 19.1 57.5
 77 30.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

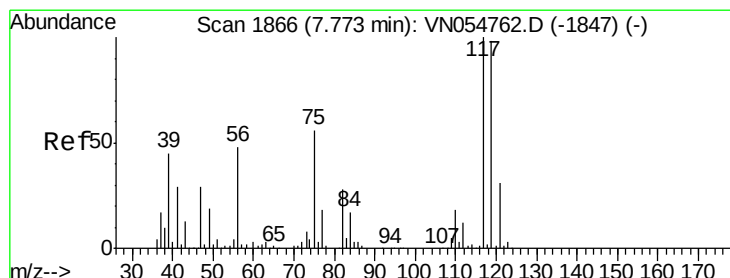
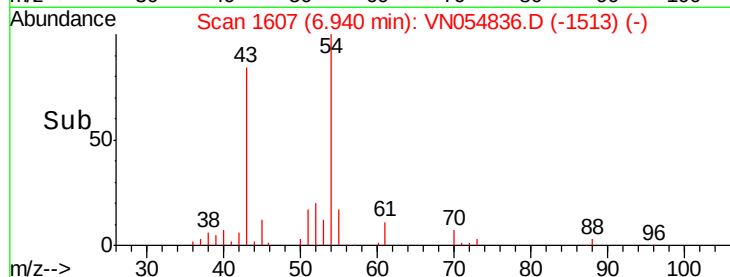
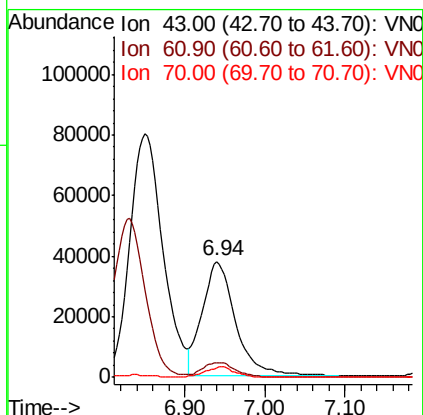
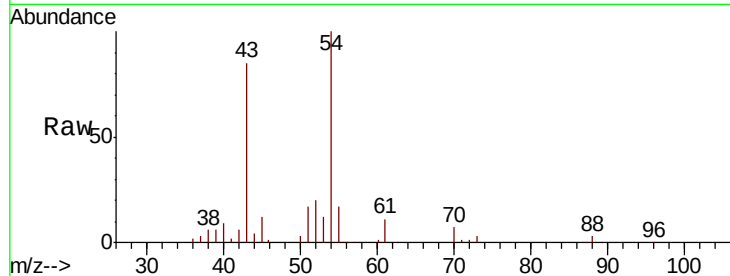




#37
Ethyl Acetate
Concen: 23.399 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

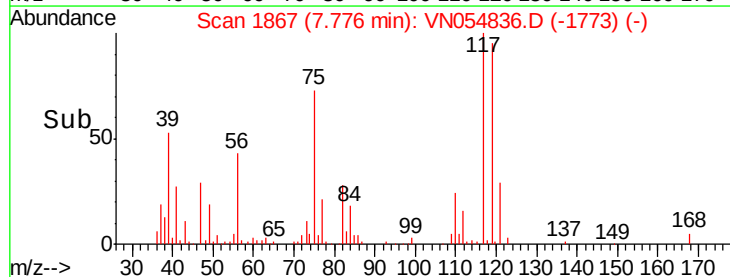
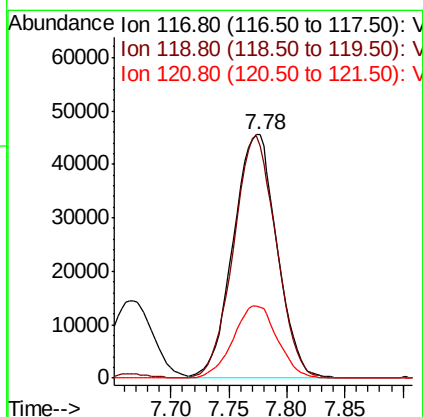
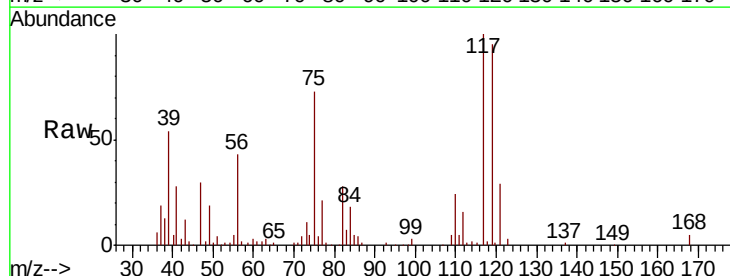
Instrument :
MSVOA_N
ClientSampled :

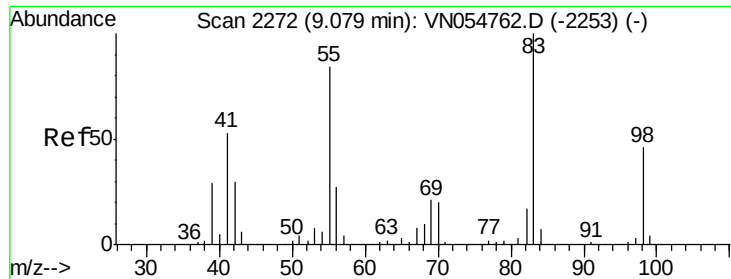
Tot Ion: 43 Resp: 109355
Ion Ratio Lower Upper
43 100
61 12.1 11.8 17.6
70 8.2 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 19.153 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 117 Resp: 118561
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 29.4 24.6 36.8

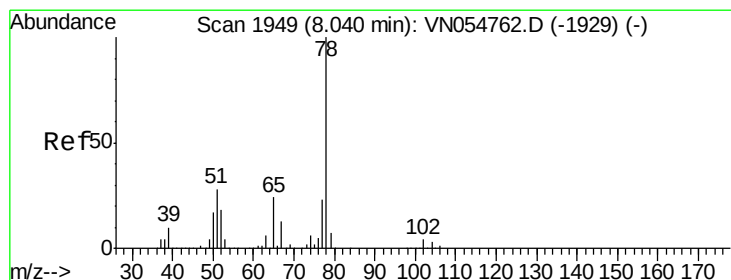
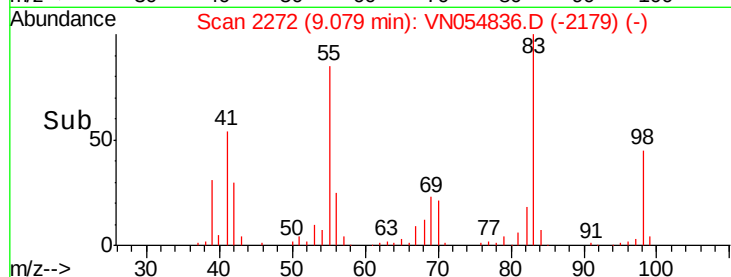
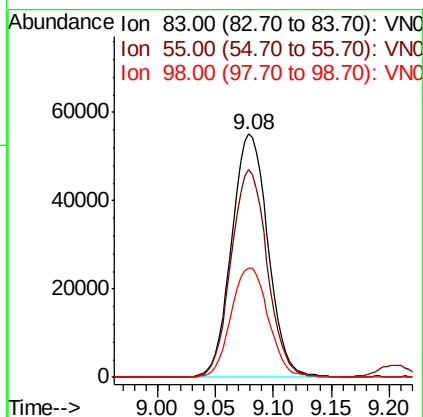
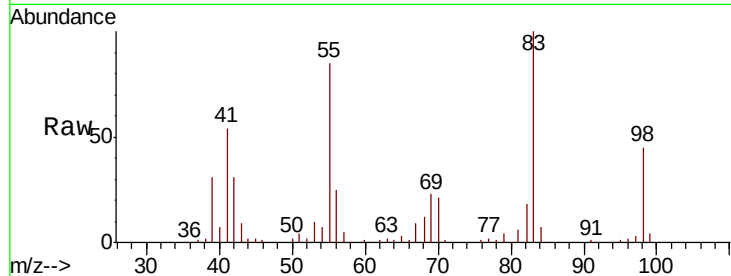




#39
Methylvlcyclohexane
Concen: 17.196 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

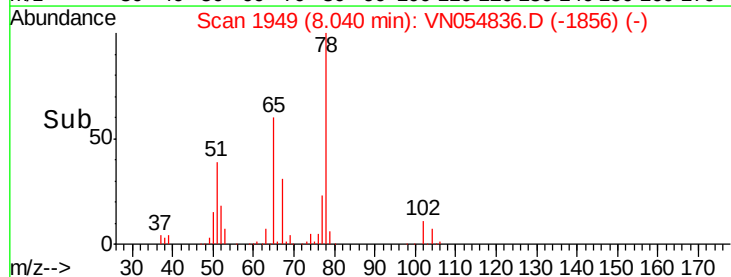
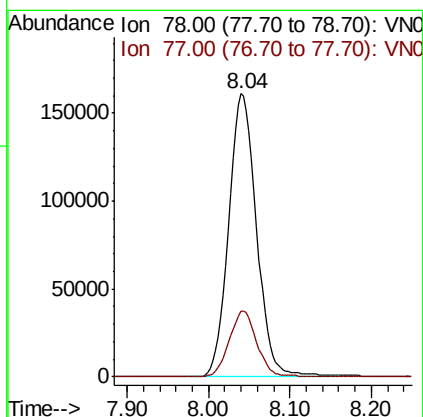
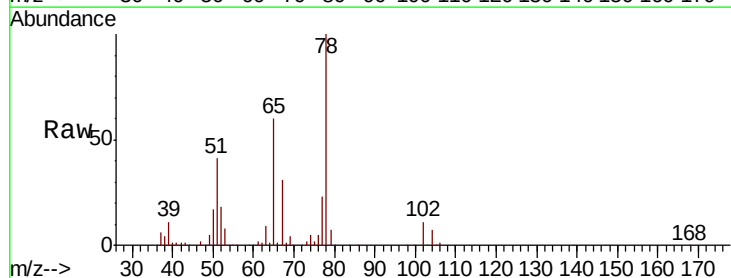
Instrument :
MSVOA_N
ClientSampled :

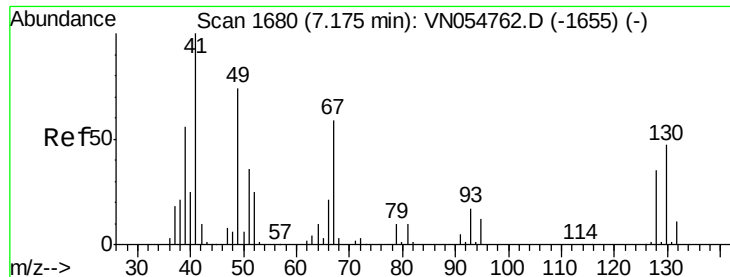
Tot Ion: 83 Resp: 120483
Ion Ratio Lower Upper
83 100
55 85.4 56.6 84.8#
98 45.1 38.4 57.6



#40
Benzene
Concen: 21.221 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 78 Resp: 386993
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

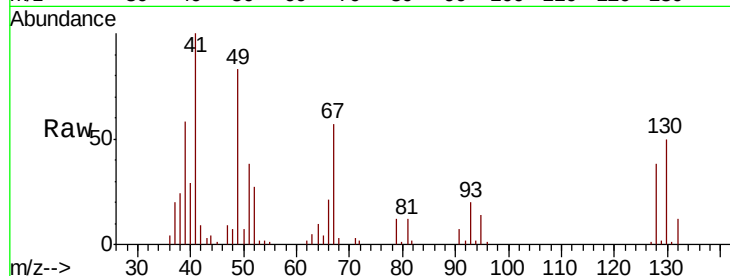




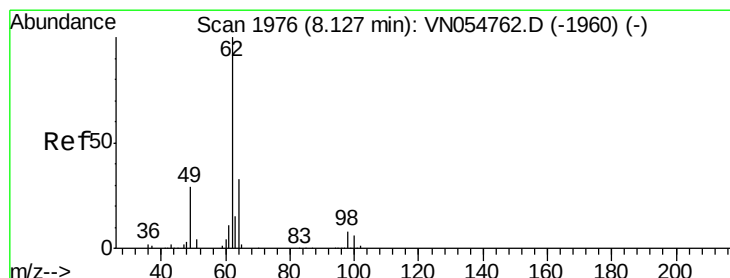
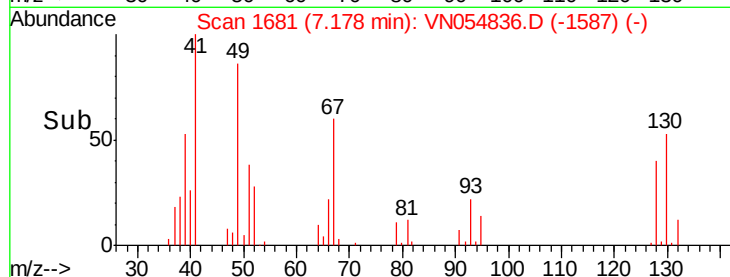
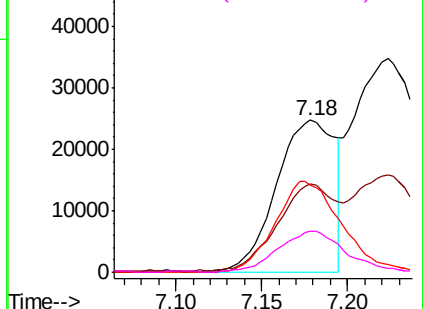
#41
Methacrylonitrile
Concen: 22.288 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 58515
Ion Ratio Lower Upper
41 100
39 57.6 46.8 70.2
67 68.6 67.0 100.4
52 31.3 26.5 39.7

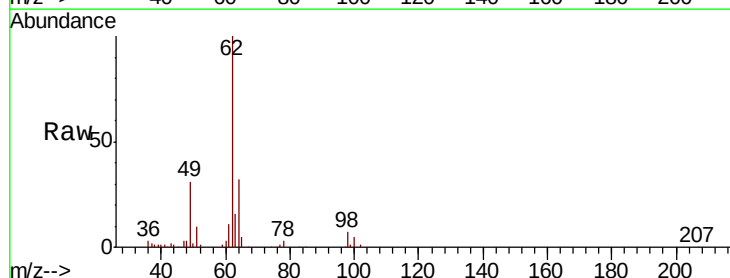


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

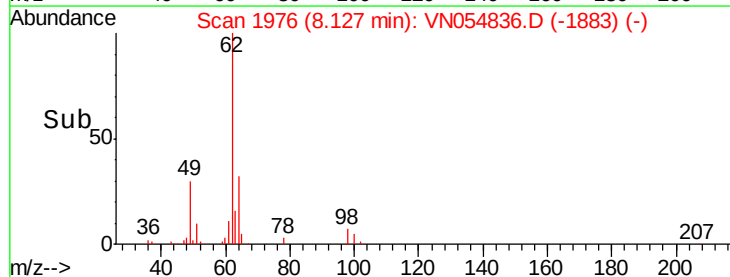
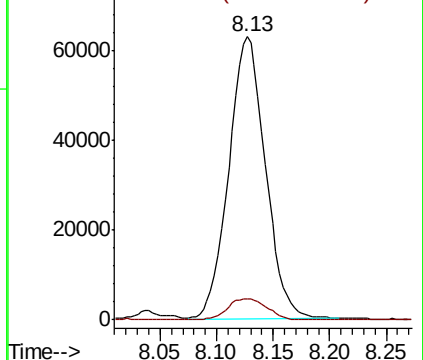


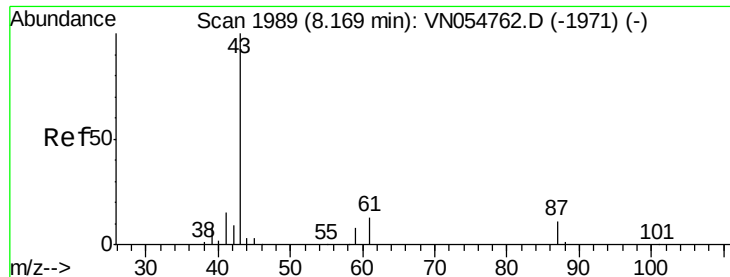
#42
1,2-Dichloroethane
Concen: 21.744 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 62 Resp: 141583
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 23.192 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

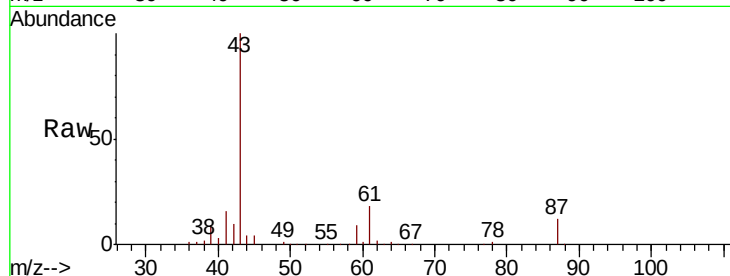
Tot Ion: 43 Resp: 176117

Ion Ratio Lower Upper

43 100

61 17.5 15.8 23.8

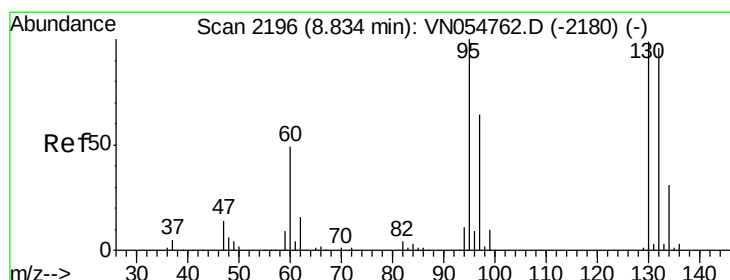
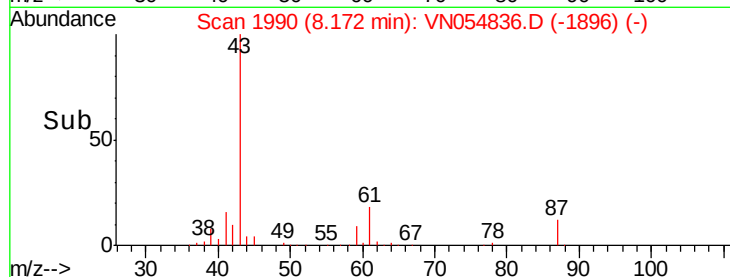
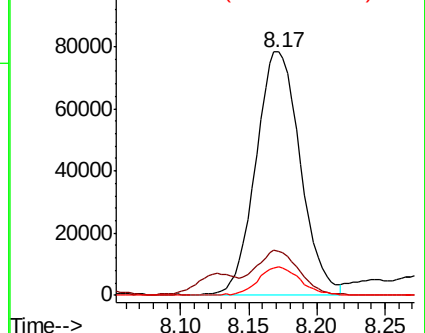
87 11.1 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054836.D (-1990) (-)

Ion 61.00 (60.70 to 61.70): VN054836.D (-1990) (-)

Ion 87.00 (86.70 to 87.70): VN054836.D (-1990) (-)



#44

Trichloroethene

Concen: 20.581 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054836.D

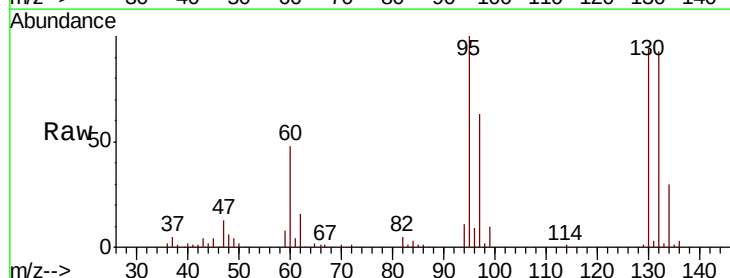
Acq: 31 Mar 2019 7:03

Tgt Ion:130 Resp: 97429

Ion Ratio Lower Upper

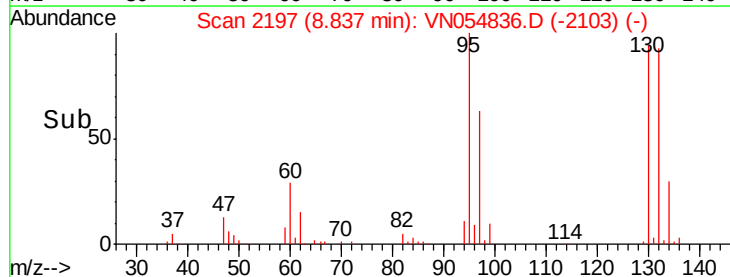
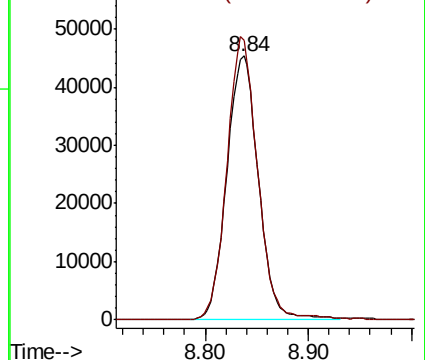
130 100

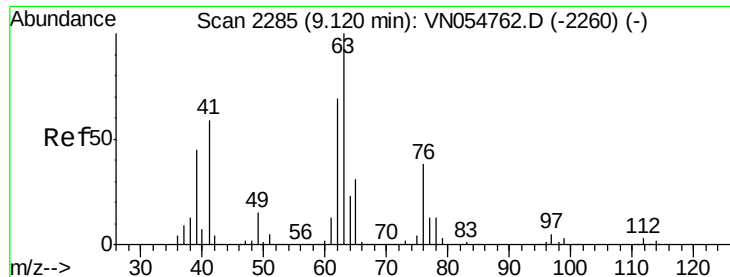
95 105.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054836.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN054836.D (-2197) (-)

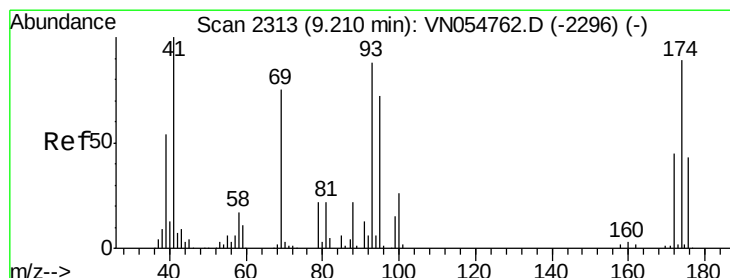
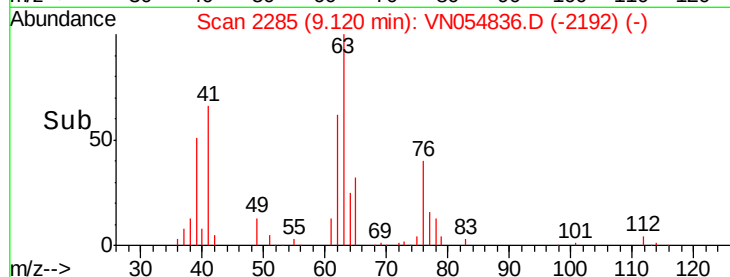
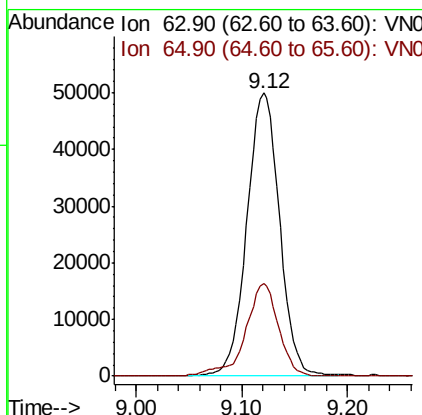
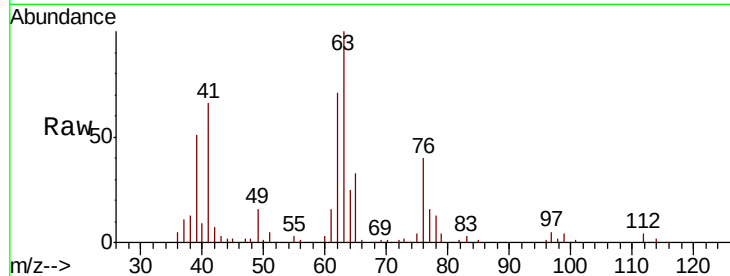




#45
 1,2-Dichloropropane
 Concen: 20.794 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

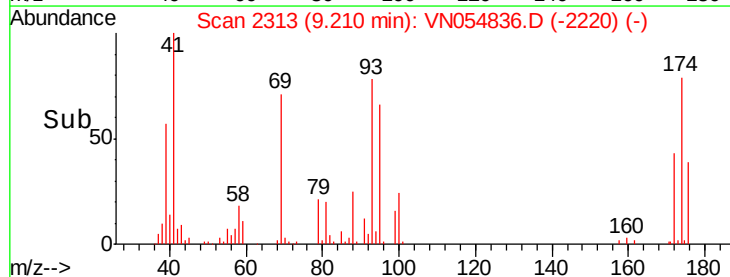
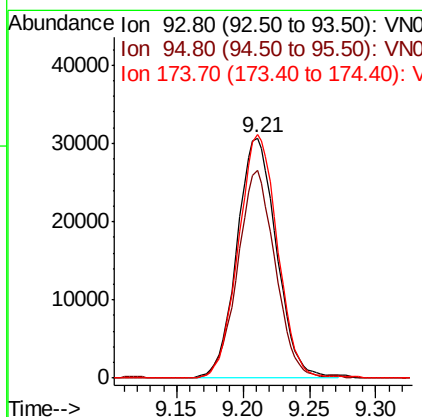
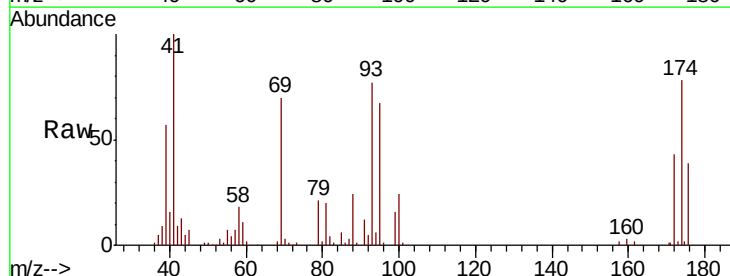
Instrument :
 MSVOA_N
 ClientSampleId :

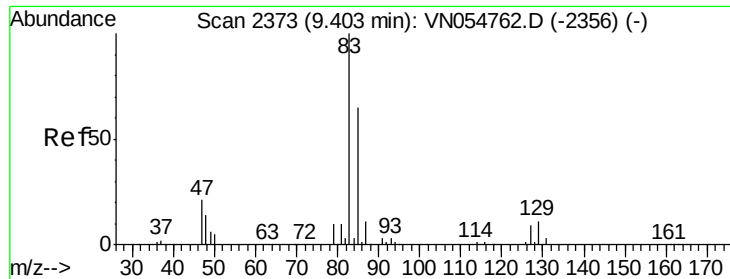
Tot Ion: 63 Resp: 108125
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.6



#46
 Dibromomethane
 Concen: 21.746 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 93 Resp: 63610
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.7 100.1
 174 100.3 98.5 147.7





#47

Bromodichloromethane

Concen: 21.259 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

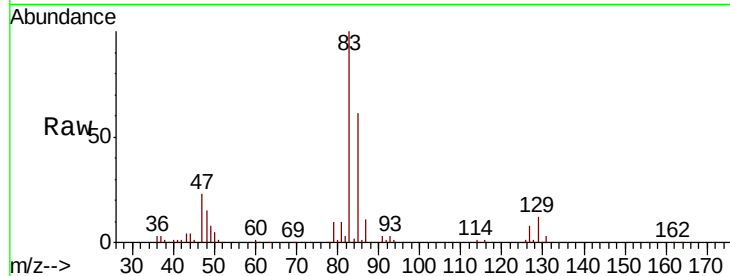
Tot Ion: 83 Resp: 129236

Ion Ratio Lower Upper

83 100

85 61.3 52.8 79.2

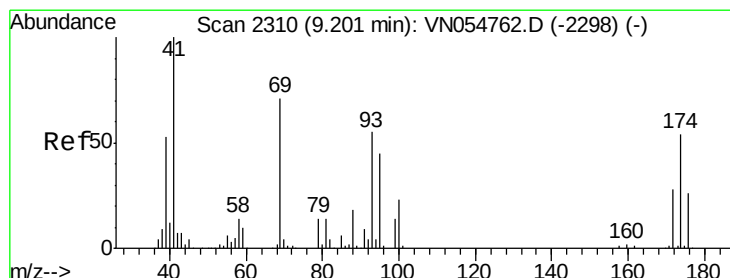
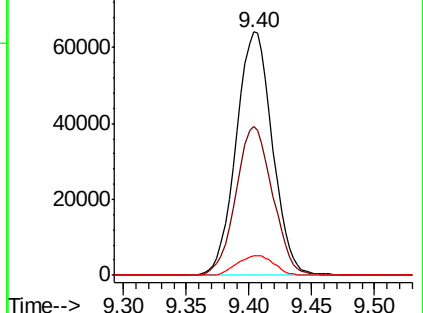
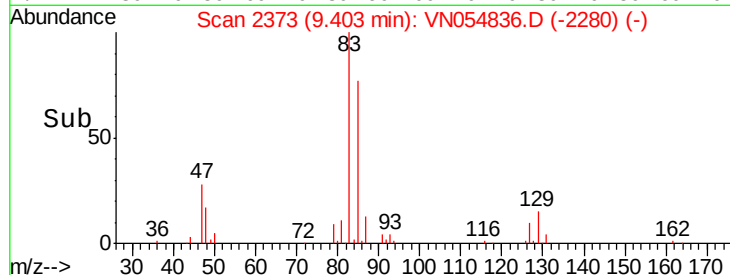
127 8.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054836.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054836.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054836.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.675 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

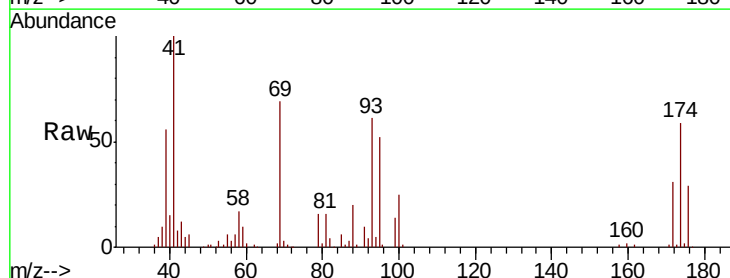
Tgt Ion: 41 Resp: 89225

Ion Ratio Lower Upper

41 100

69 71.7 72.6 108.8#

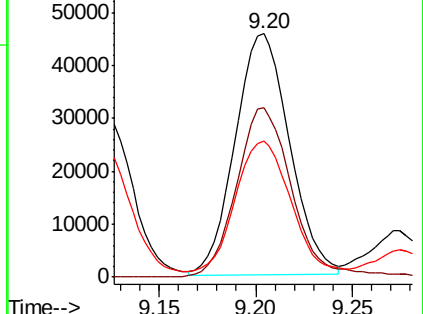
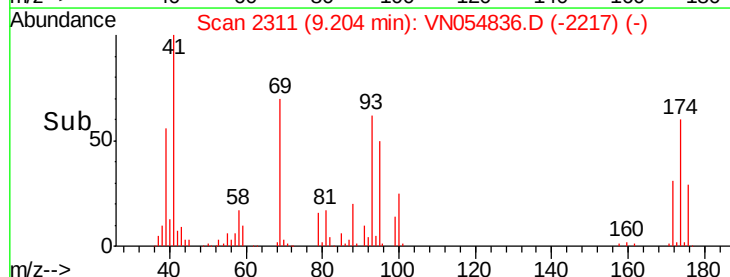
39 58.2 47.5 71.3

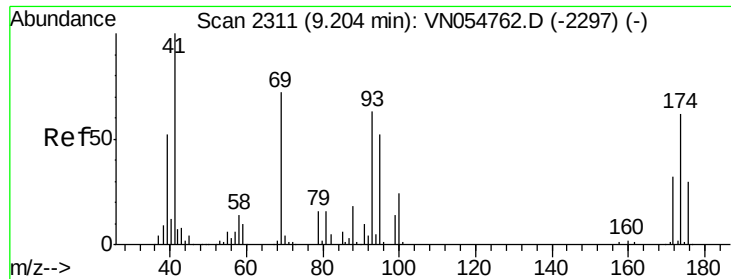


Abundance Ion 41.00 (40.70 to 41.70): VN054836.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054836.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054836.D (-2217) (-)

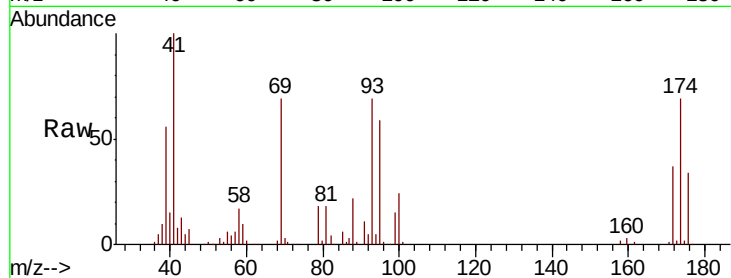




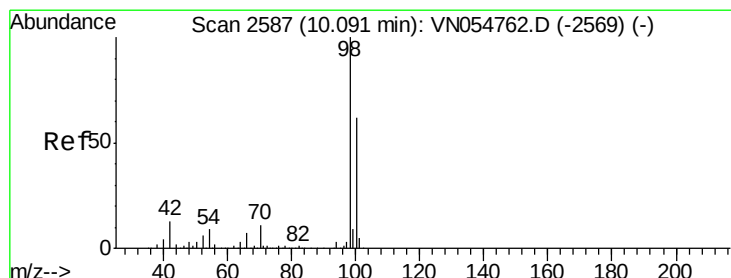
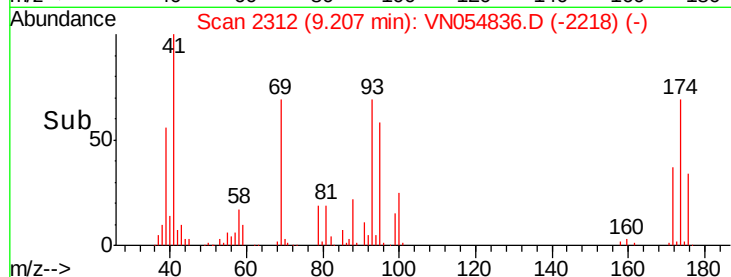
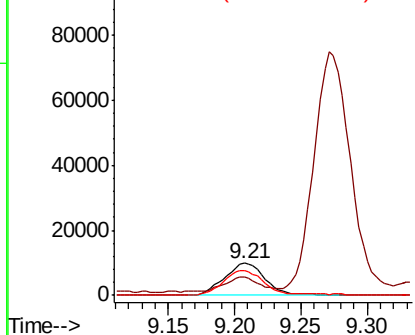
#49
 1,4-Dioxane
 Concen: 514.633 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 21020
 Ion Ratio Lower Upper
 88 100
 43 40.0 24.1 36.1#
 58 76.8 50.8 76.2#

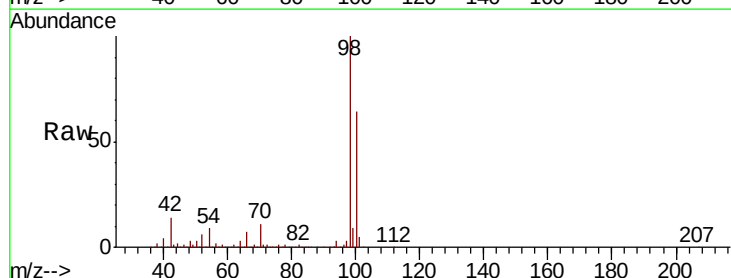


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

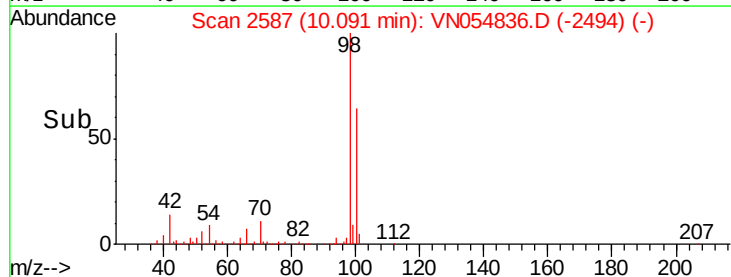
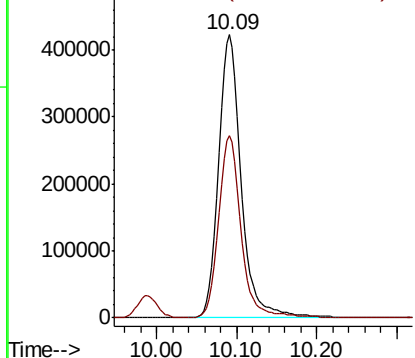


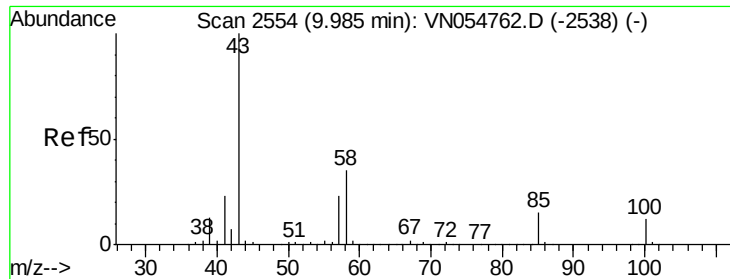
#50
 Toluene-d8
 Concen: 49.064 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 98 Resp: 831757
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 119.072 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

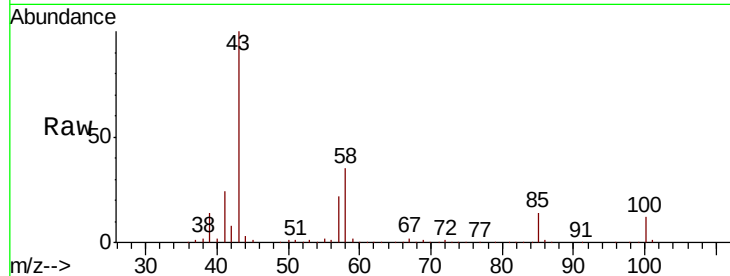
ClientSampled :

Tot Ion: 43 Resp: 508379

Ion Ratio Lower Upper

43 100

58 35.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

250000

200000

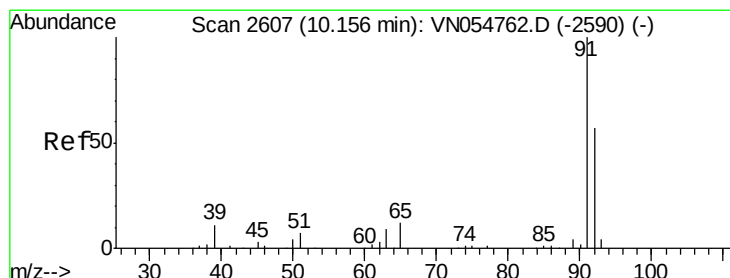
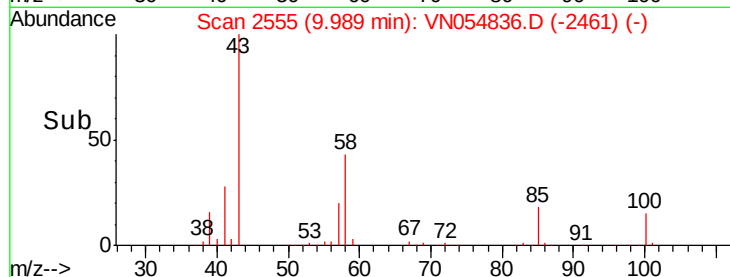
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.727 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054836.D

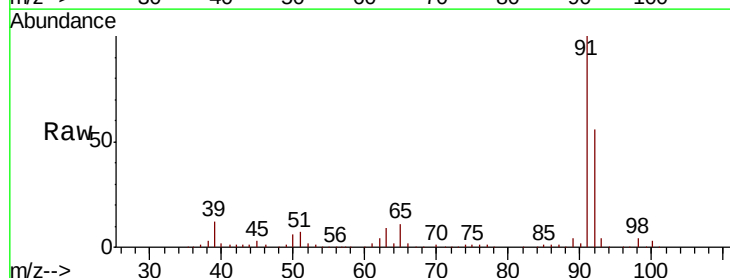
Acq: 31 Mar 2019 7:03

Tgt Ion: 92 Resp: 224917

Ion Ratio Lower Upper

92 100

91 178.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

200000

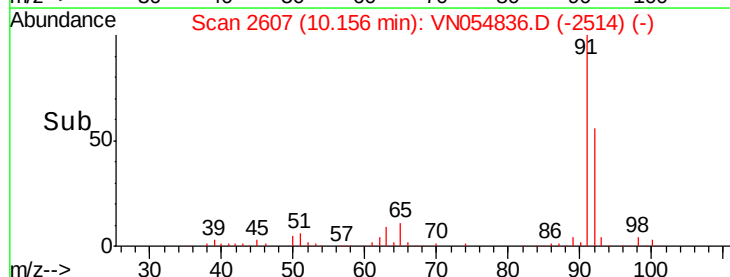
150000

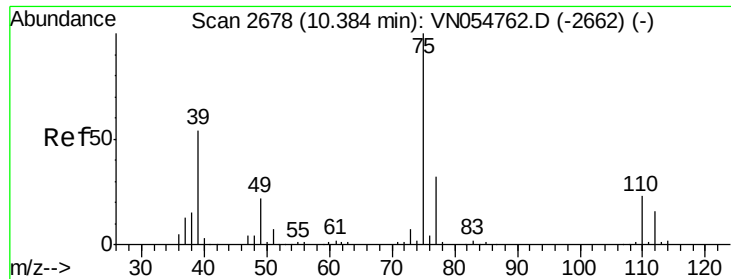
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.149 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

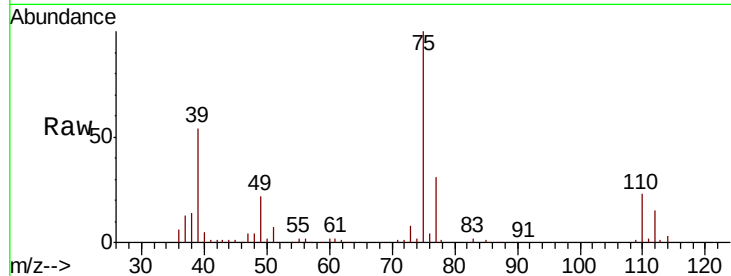
ClientSampleId :

Tot Ion: 75 Resp: 103787

Ion Ratio Lower Upper

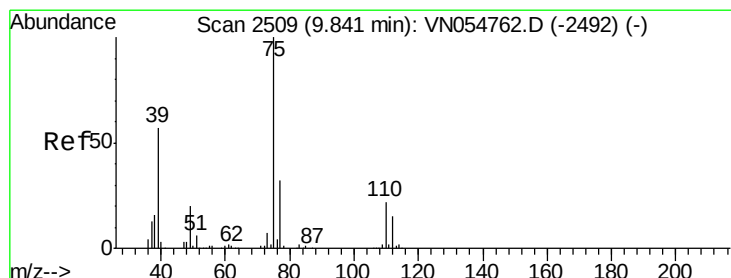
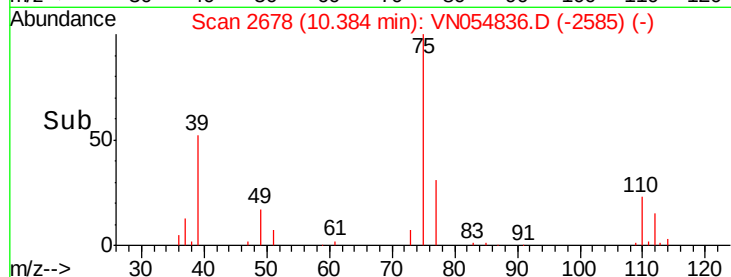
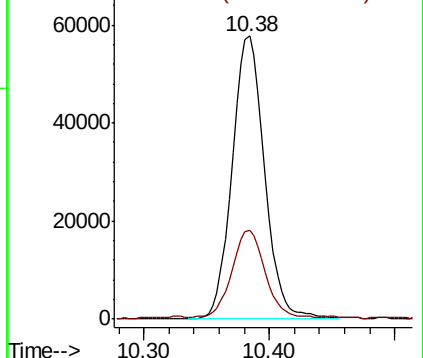
75 100

77 30.5 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.905 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

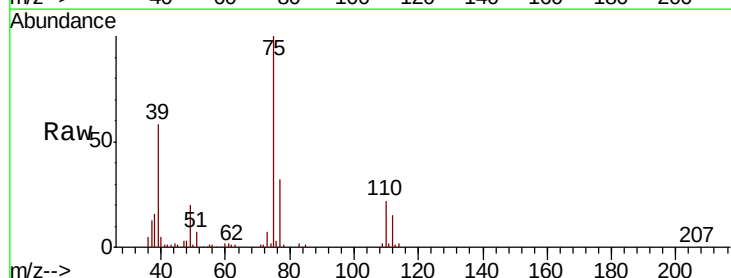
Tgt Ion: 75 Resp: 129143

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

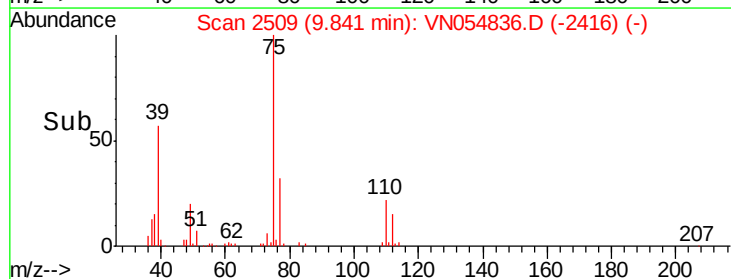
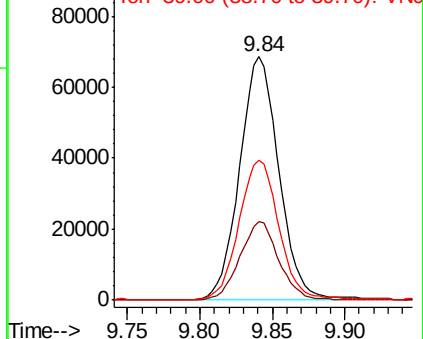
39 57.3 37.2 55.8#

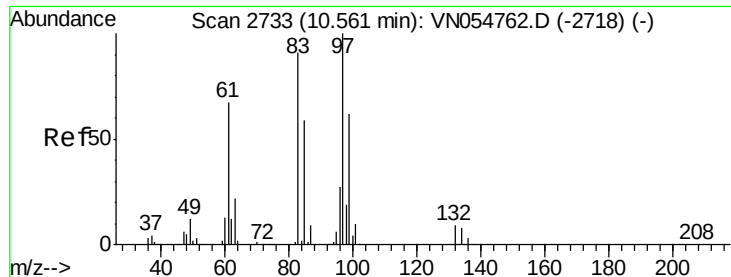


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

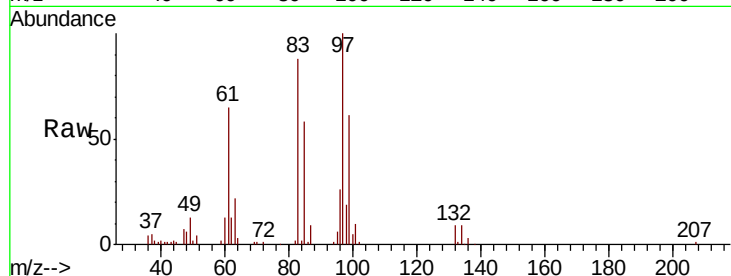




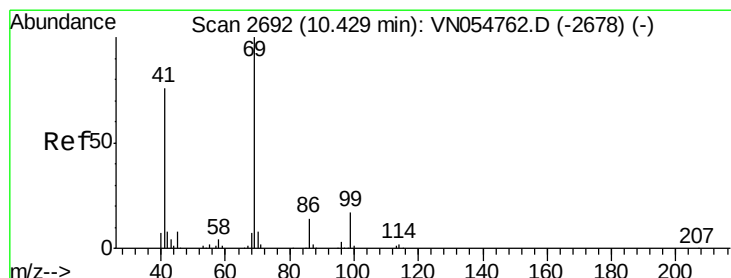
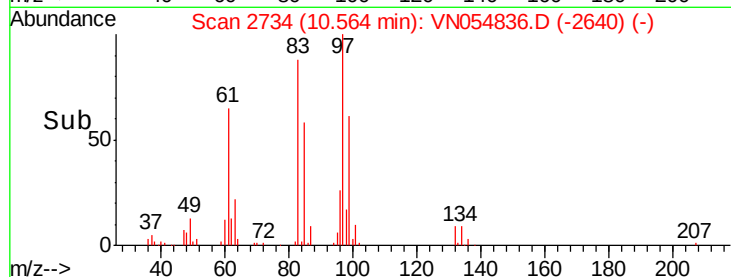
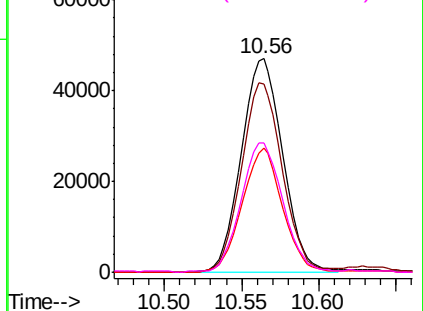
#55
 1,1,2-Trichloroethane
 Concen: 21.785 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	87900
Ion	Ratio	Lower	Upper
97	100		
83	88.0	66.6	100.0
85	57.9	44.4	66.6
99	60.2	50.8	76.2

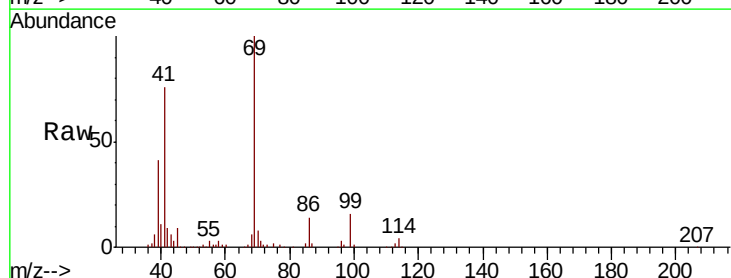


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

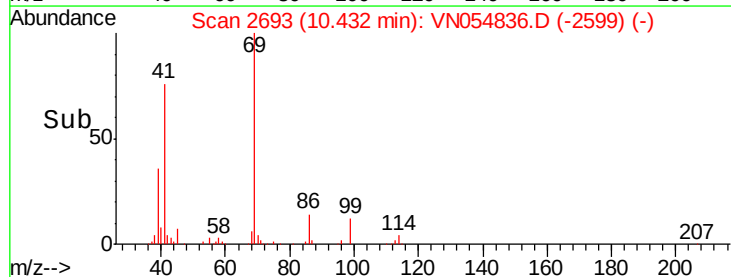
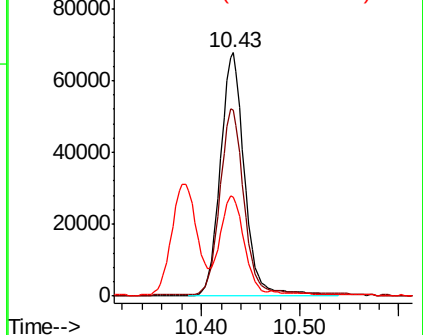


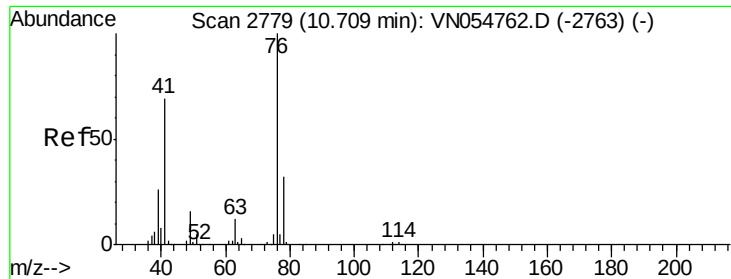
#56
 Ethyl methacrylate
 Concen: 22.170 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion:	69	Resp:	117345
Ion	Ratio	Lower	Upper
69	100		
41	76.1	49.4	74.2#
39	40.1	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 22.036 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

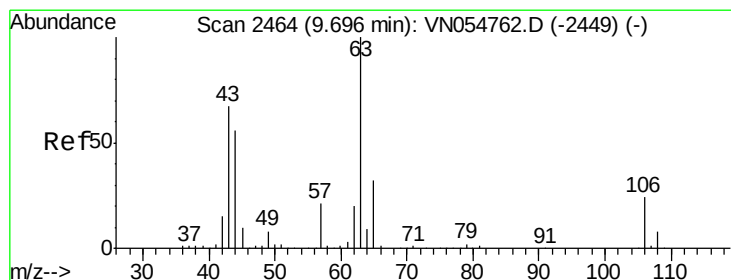
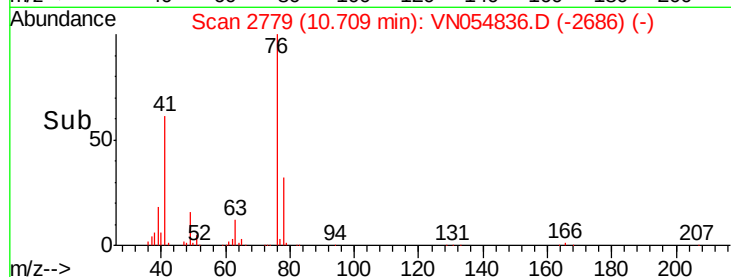
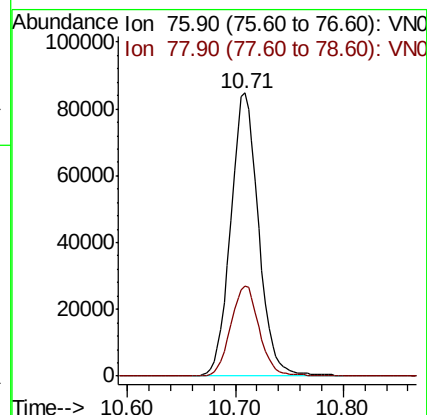
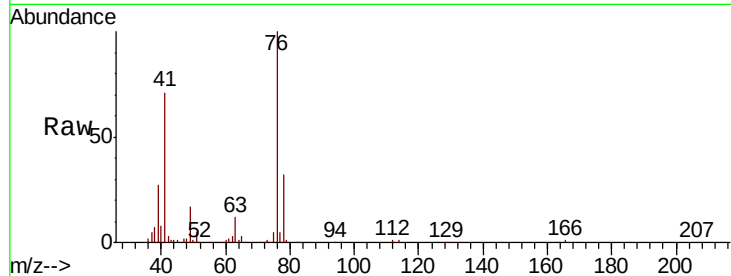
ClientSampled :

Tot Ion: 76 Resp: 152860

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 102.431 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054836.D

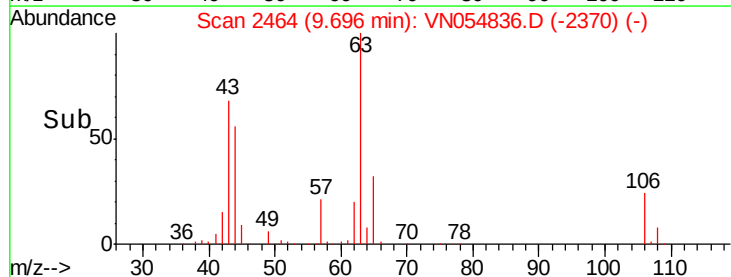
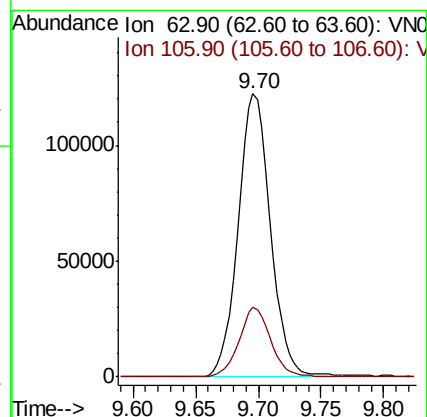
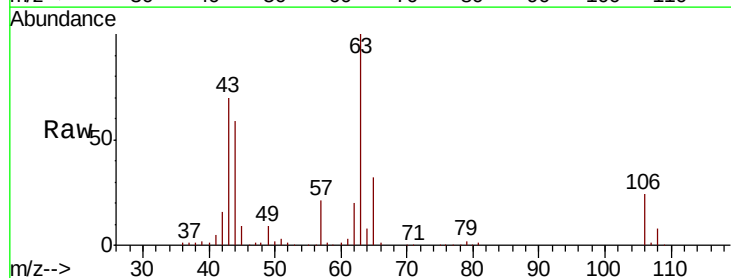
Acq: 31 Mar 2019 7:03

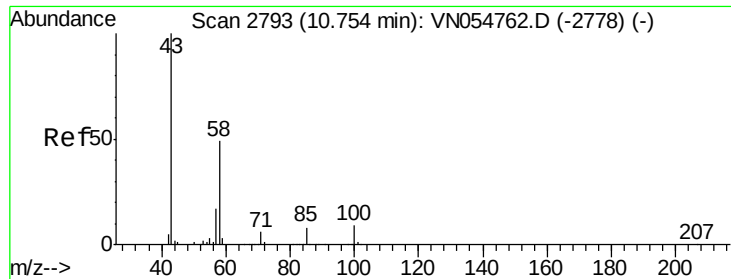
Tgt Ion: 63 Resp: 219003

Ion Ratio Lower Upper

63 100

106 24.0 24.4 36.6#

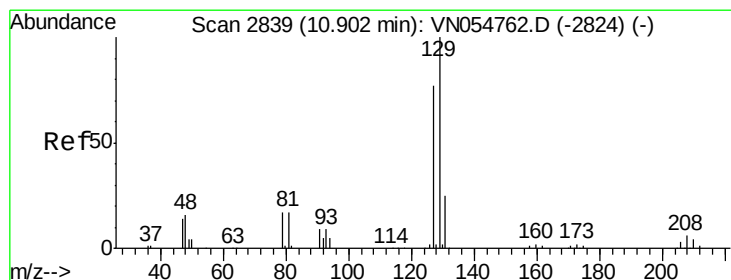
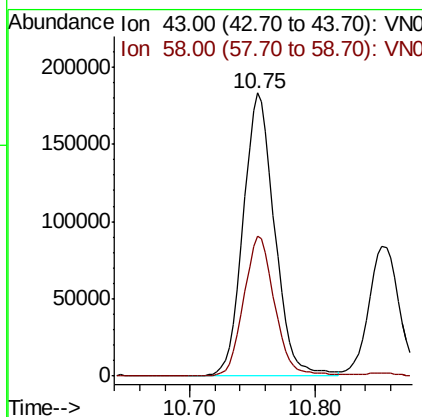
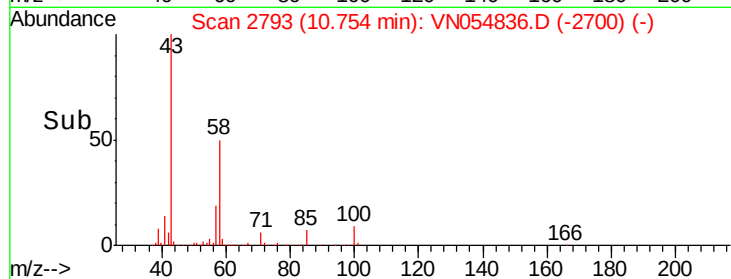
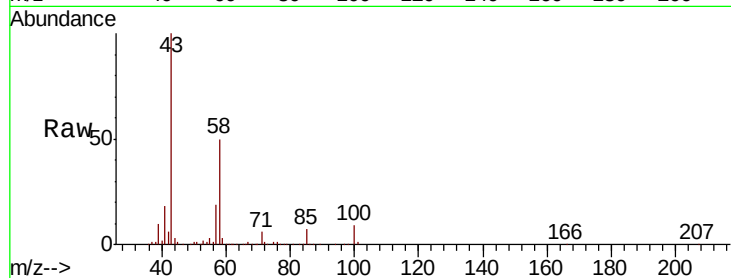




#59
2-Hexanone
Concen: 115.803 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

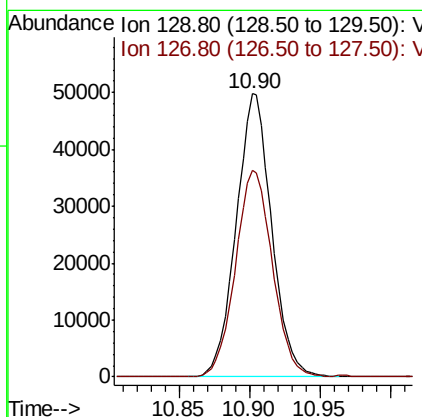
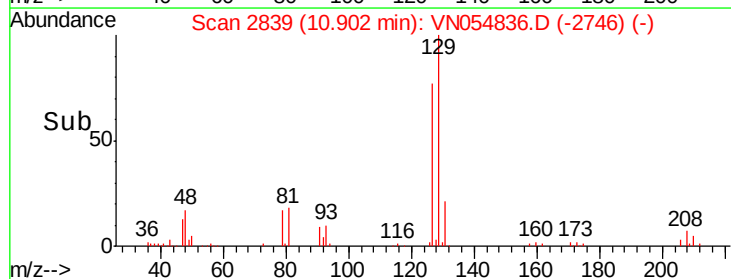
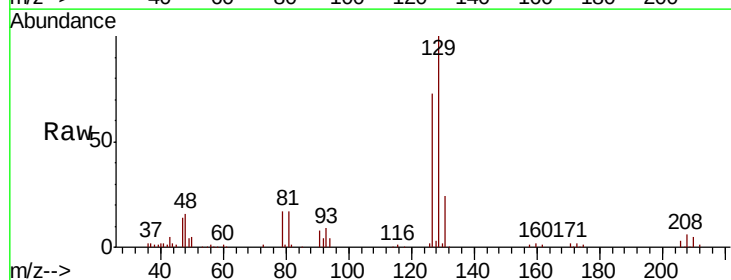
Instrument :
MSVOA_N
ClientSampleId :

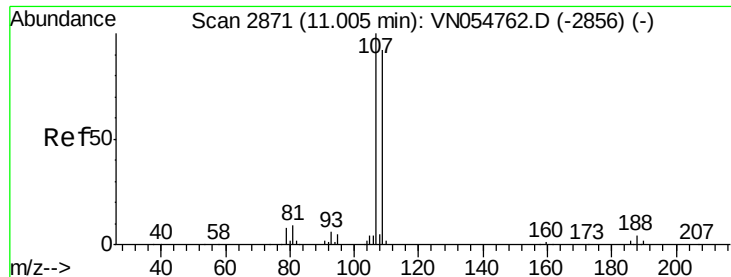
Tot Ion: 43 Resp: 316507
Ion Ratio Lower Upper
43 100
58 49.1 28.0 83.9



#60
Dibromochloromethane
Concen: 21.450 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 129 Resp: 87671
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8

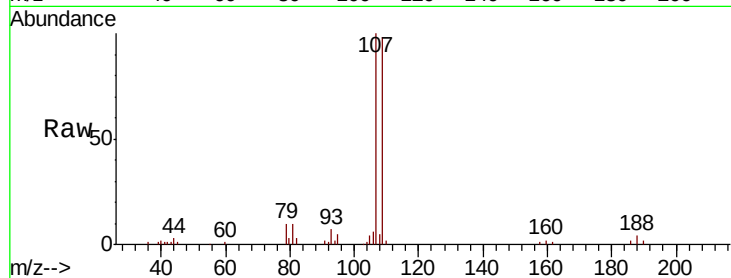




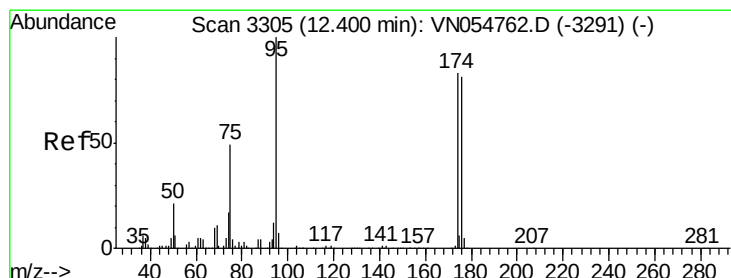
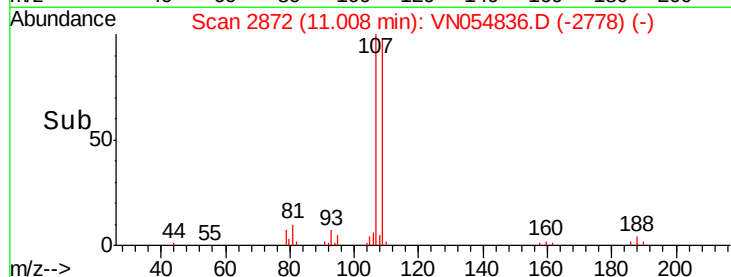
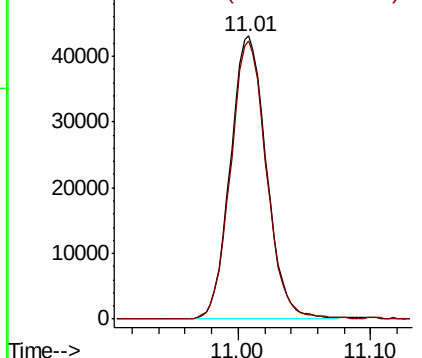
#61
 1,2-Dibromoethane
 Concen: 21.097 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 81350
 Ion Ratio Lower Upper
 107 100
 109 97.7 75.9 113.9

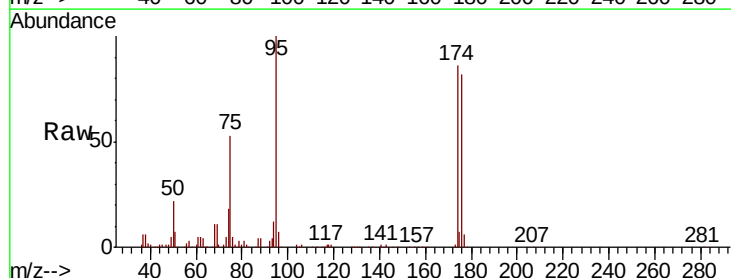


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

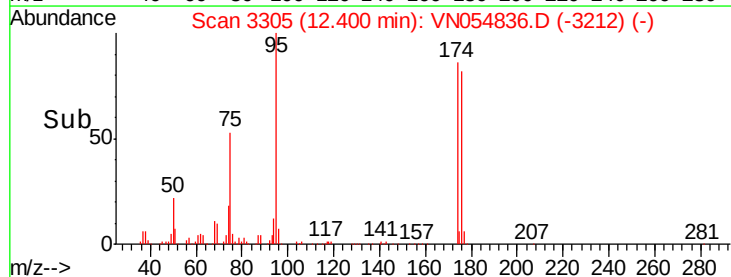
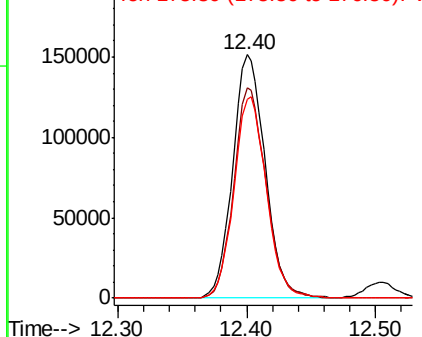


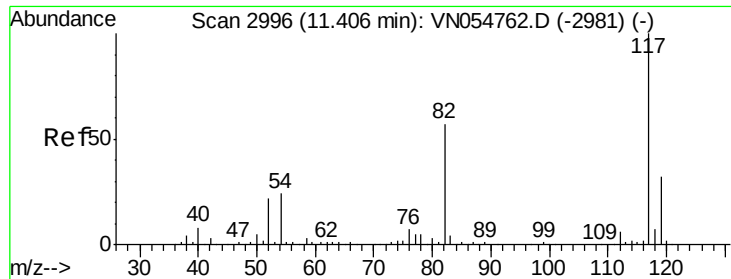
#62
 4-Bromofluorobenzene
 Concen: 47.074 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion: 95 Resp: 265403
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 191.0
 176 82.4 0.0 187.4



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

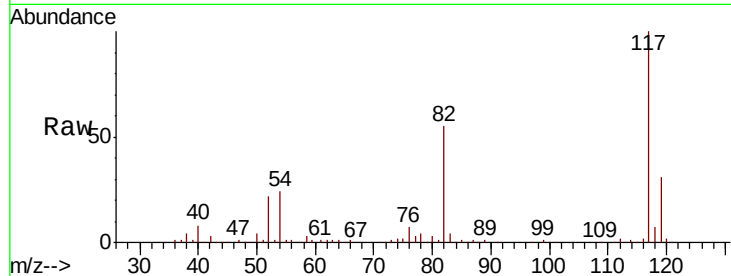




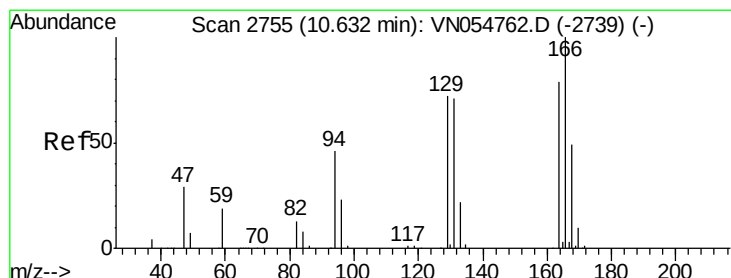
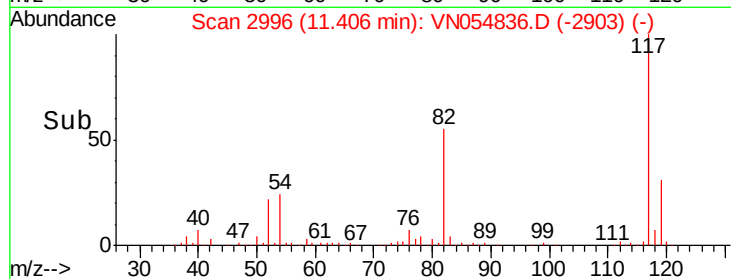
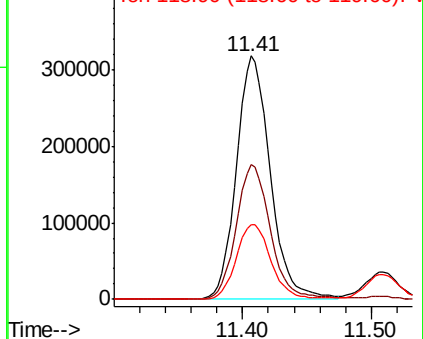
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 581656
Ion Ratio Lower Upper
117 100
82 55.3 40.0 60.0
119 30.8 25.8 38.6

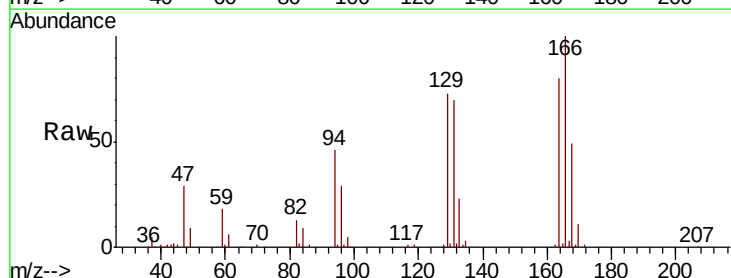


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

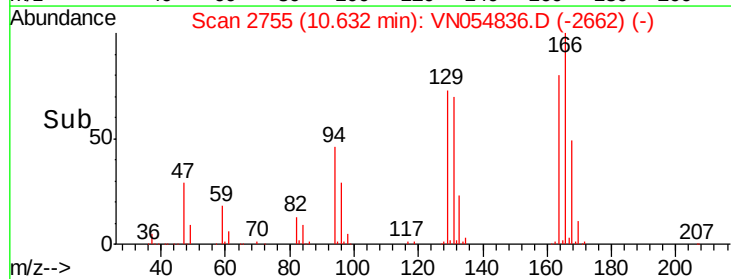
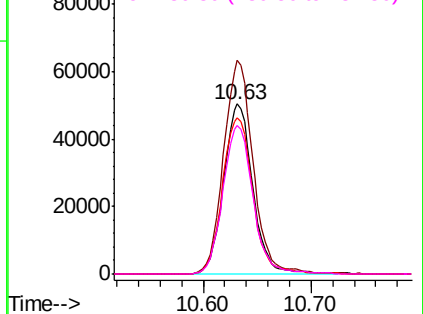


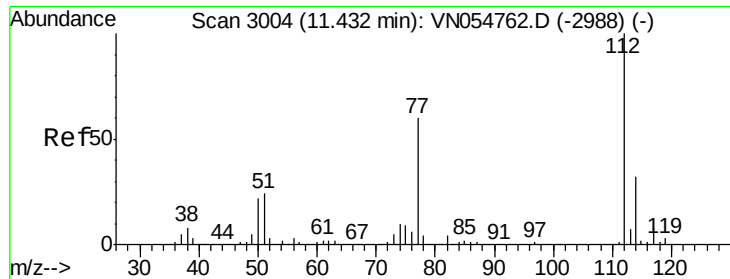
#64
Tetrachloroethene
Concen: 21.217 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:164 Resp: 94702
Ion Ratio Lower Upper
164 100
166 125.6 103.9 155.9
129 91.8 71.1 106.7
131 87.4 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

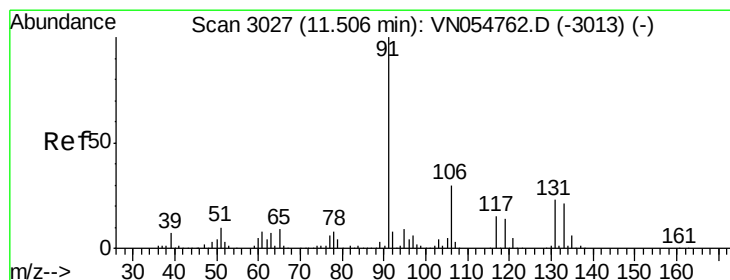
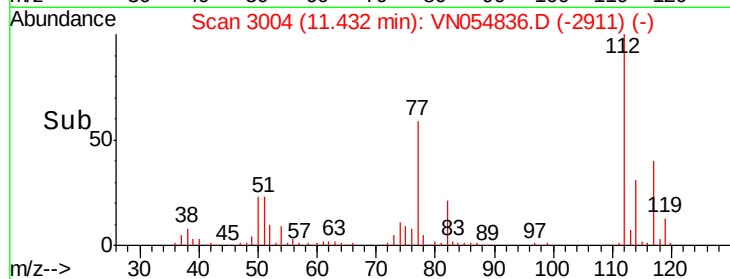
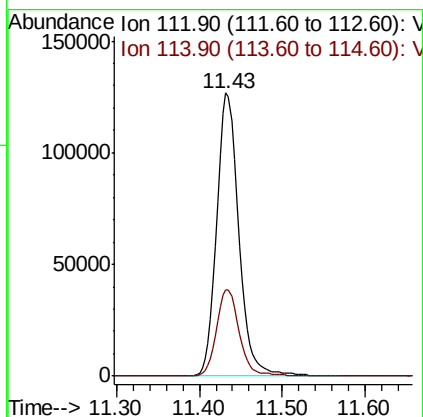
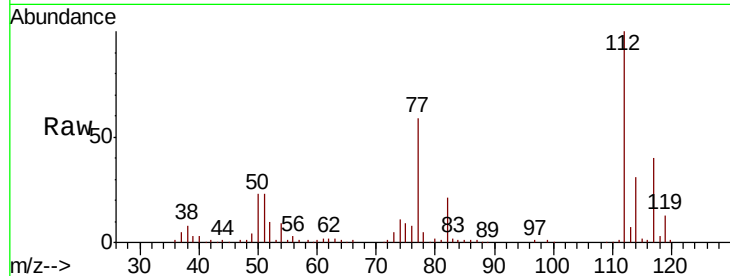




#65
Chlorobenzene
Concen: 20.555 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

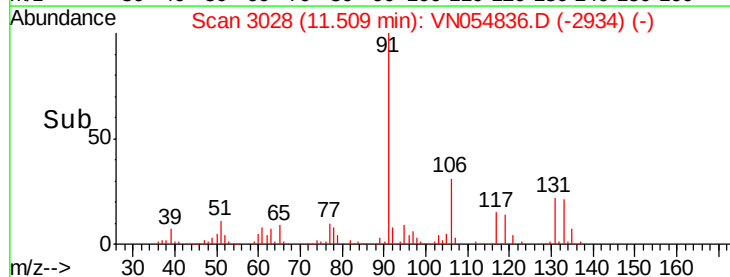
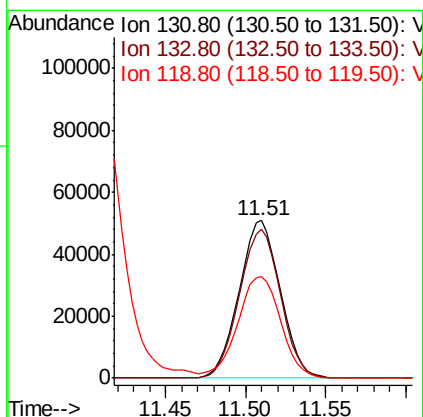
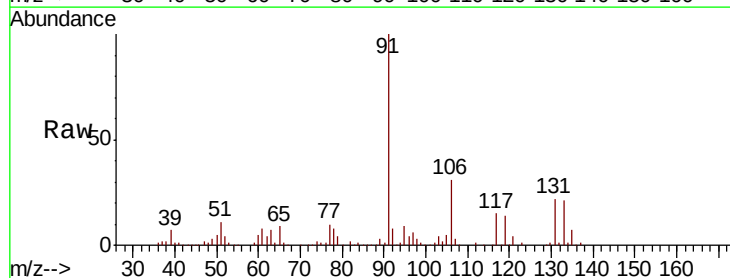
Instrument :
MSVOA_N
ClientSampled :

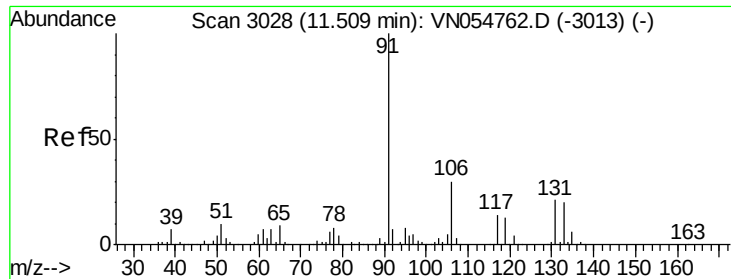
Tot Ion:112 Resp: 234083
Ion Ratio Lower Upper
112 100
114 30.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.897 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:131 Resp: 89077
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.9
119 67.6 32.4 97.0

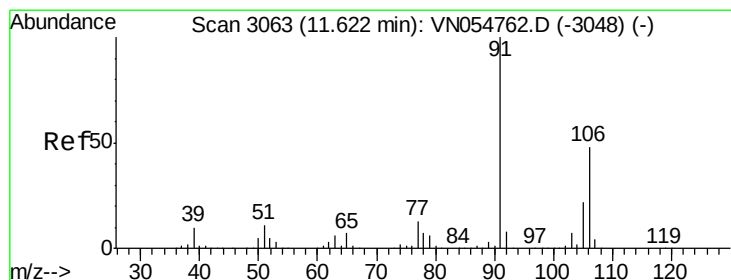
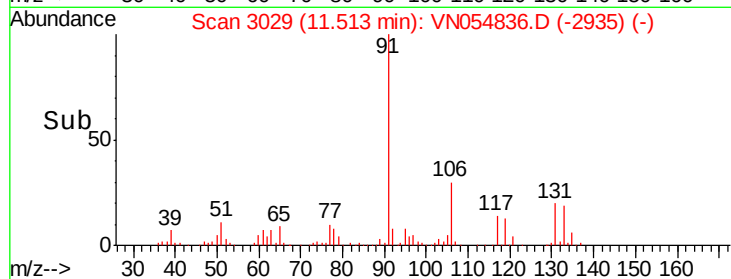
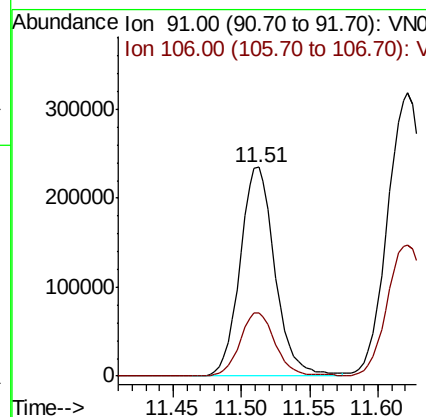
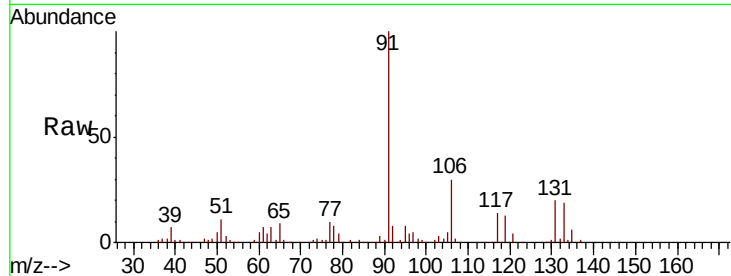




#67
Ethyl Benzene
Concen: 20.319 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

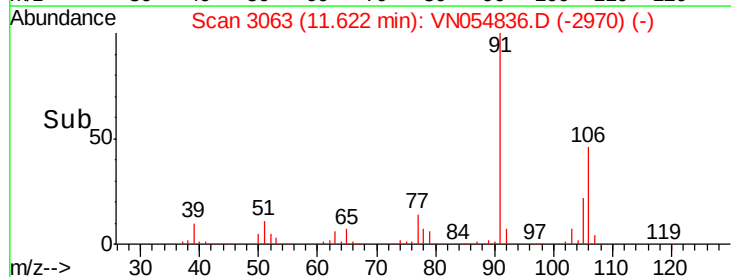
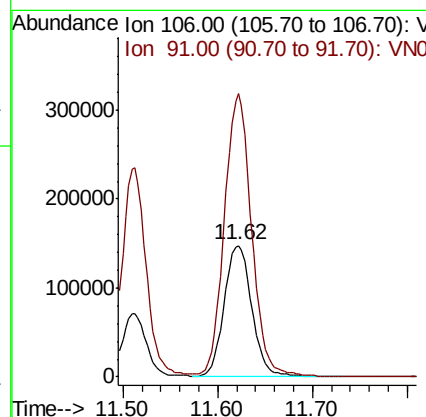
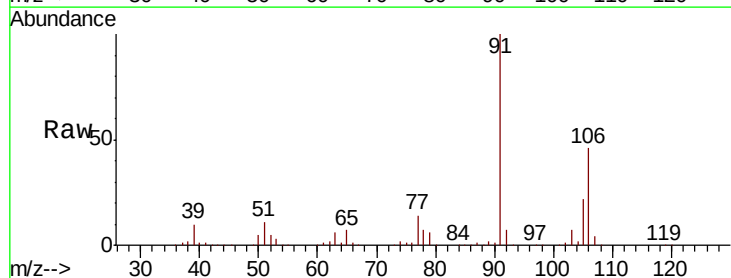
Instrument :
MSVOA_N
ClientSampleId :

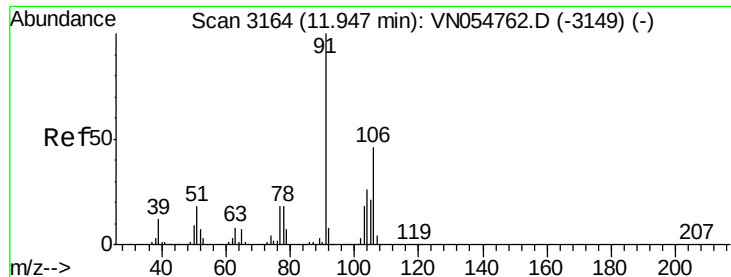
Tot Ion: 91 Resp: 417566
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 39.771 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion: 106 Resp: 302460
Ion Ratio Lower Upper
106 100
91 211.3 159.4 239.2

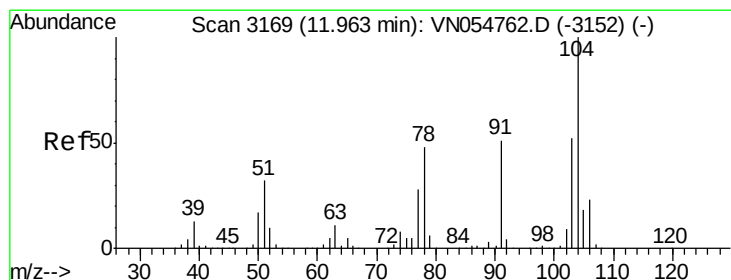
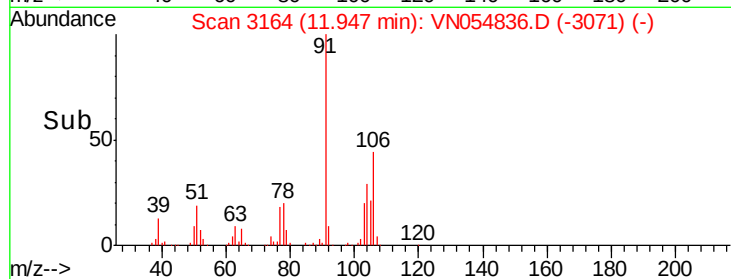
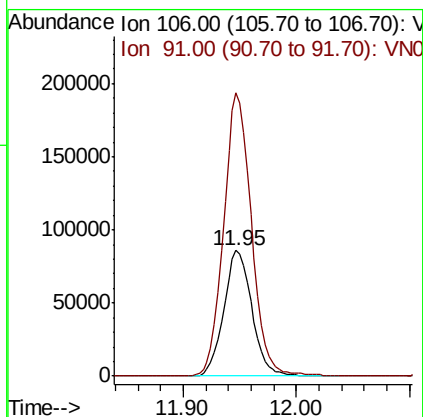
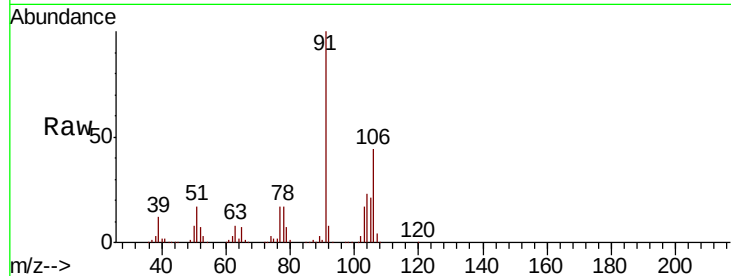




#69
o-Xylene
Concen: 19.964 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

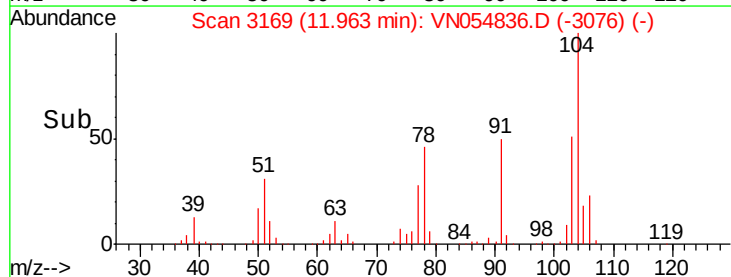
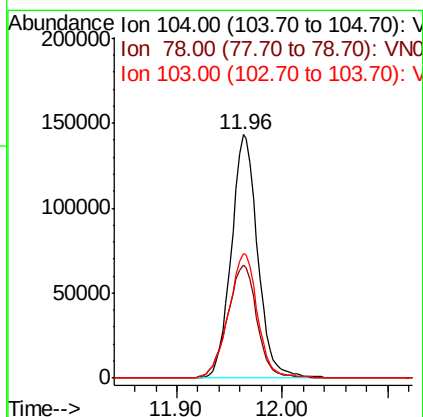
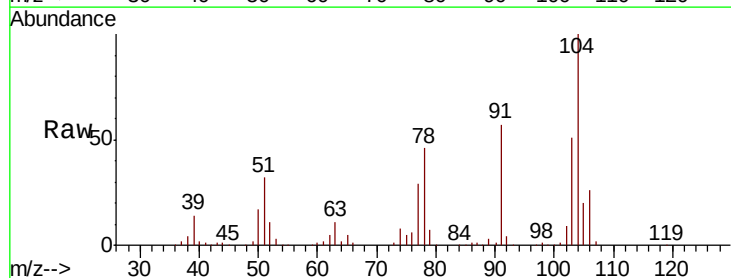
Instrument :
MSVOA_N
ClientSampled :

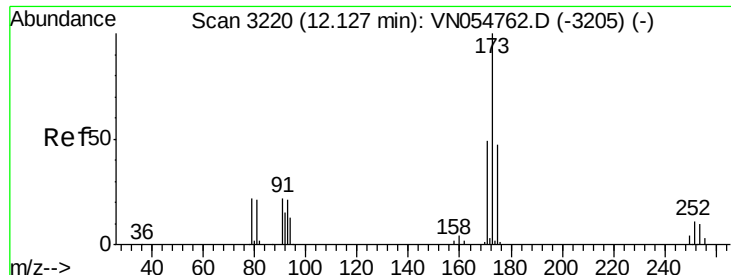
Tot Ion:106 Resp: 148884
Ion Ratio Lower Upper
106 100
91 222.4 105.7 317.1



#70
Styrene
Concen: 20.768 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054836.D
Acq: 31 Mar 2019 7:03

Tgt Ion:104 Resp: 247628
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 56.3 44.4 66.6





#71

Bromoform

Concen: 20.845 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

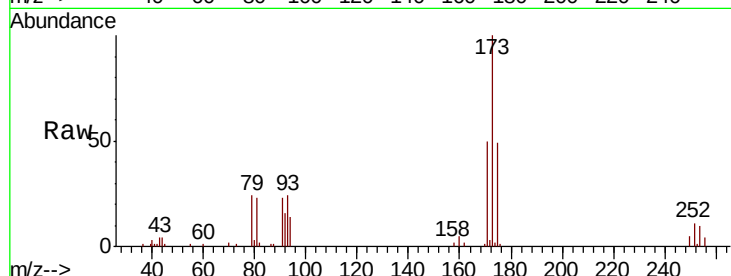
Tot Ion:173 Resp: 52055

Ion Ratio Lower Upper

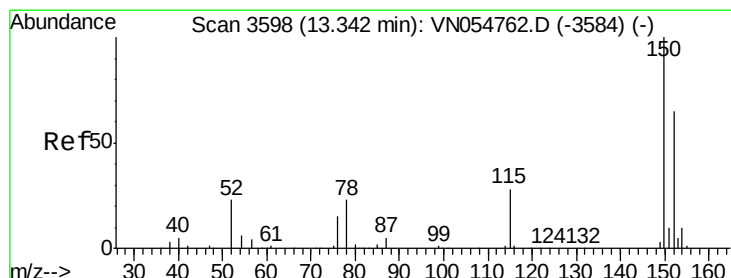
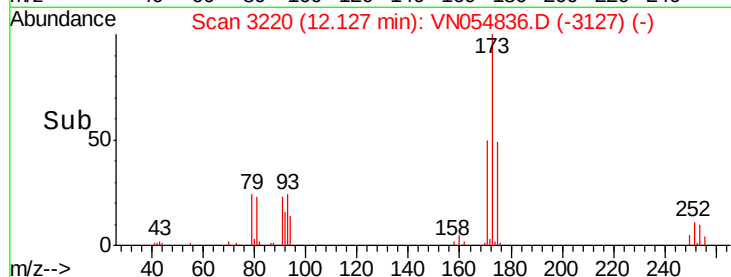
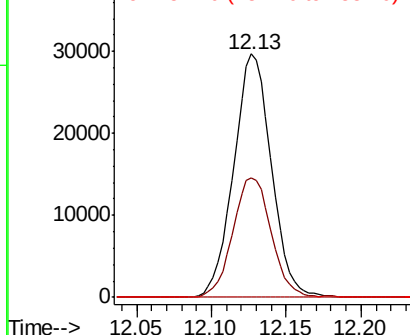
173 100

175 50.0 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

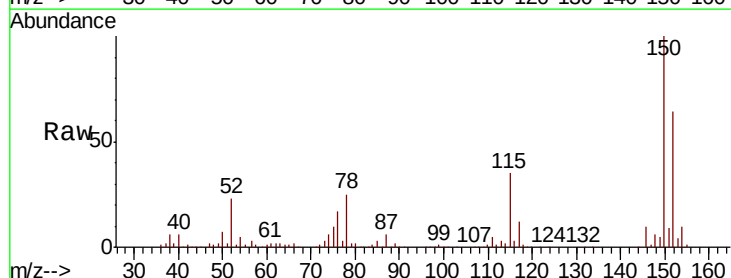
Tgt Ion:152 Resp: 235278

Ion Ratio Lower Upper

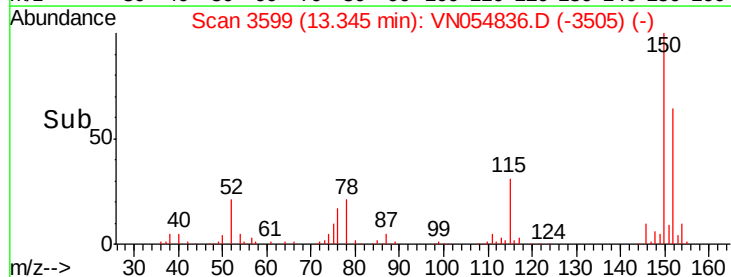
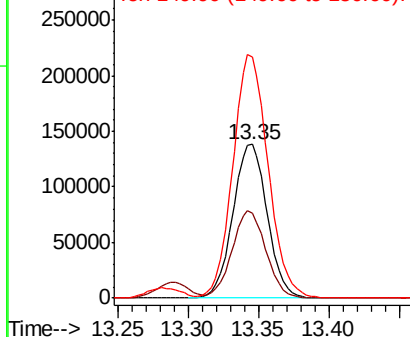
152 100

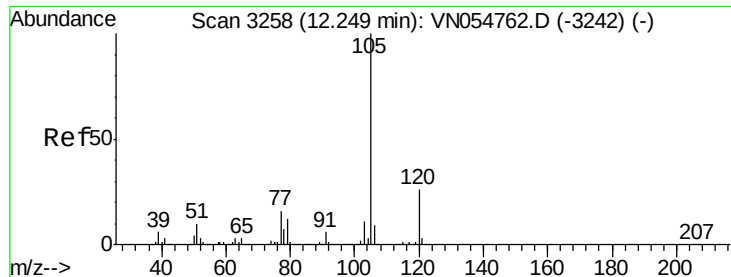
115 56.2 27.2 81.6

150 163.4 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: 20.642 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

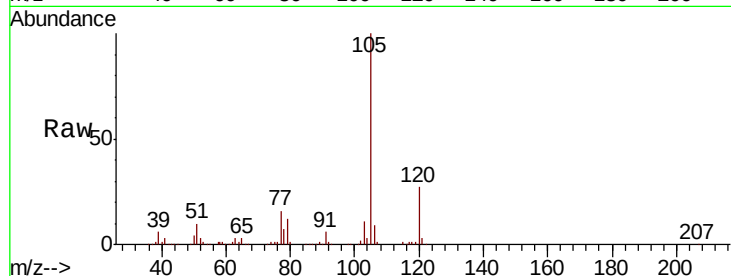
ClientSampled :

Tot Ion:105 Resp: 396960

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

150000

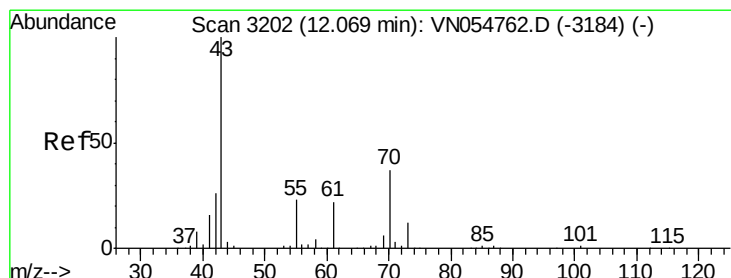
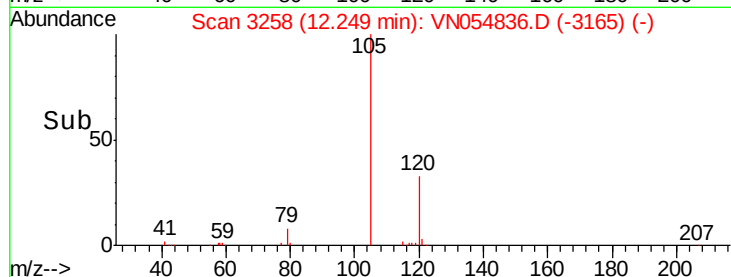
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 22.525 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Tgt Ion: 43 Resp: 134949

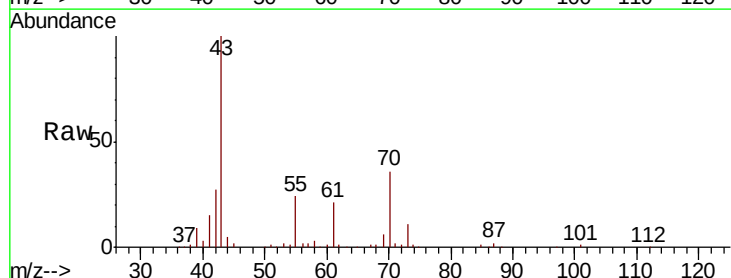
Ion Ratio Lower Upper

43 100

70 35.3 35.4 53.0#

55 23.5 19.8 29.6

61 21.7 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

120000

100000

80000

60000

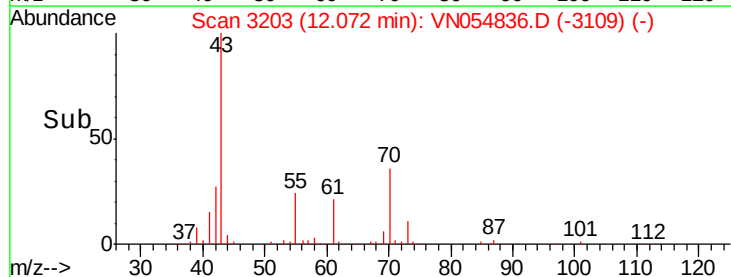
40000

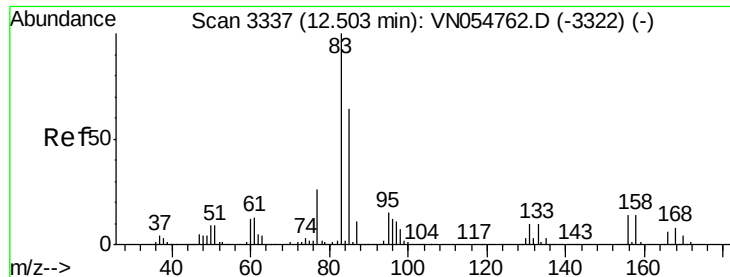
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 24.525 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

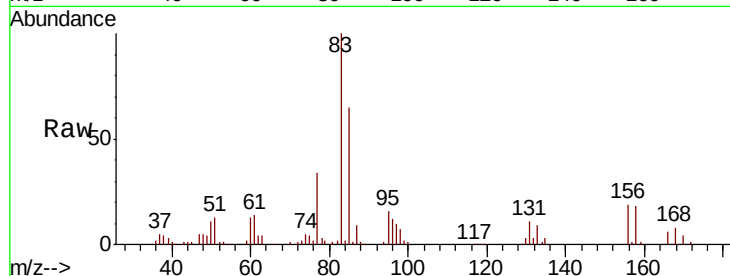
Tot Ion: 83 Resp: 107670

Ion Ratio Lower Upper

83 100

131 10.6 5.8 17.4

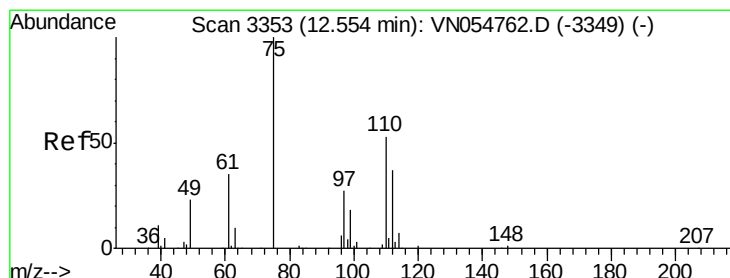
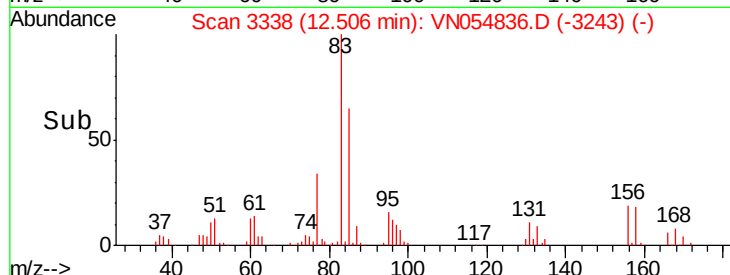
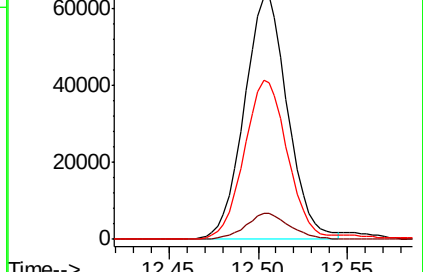
85 65.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054762.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN054762.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN054762.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 29.483 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054836.D

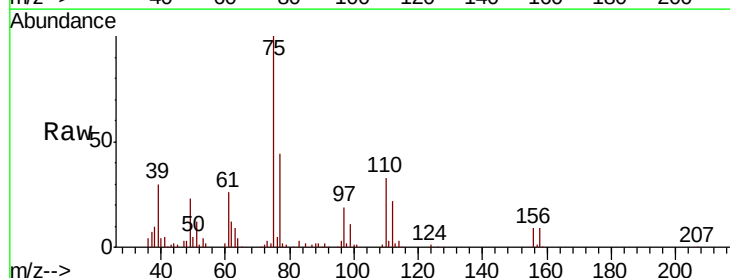
Acq: 31 Mar 2019 7:03

Tgt Ion: 75 Resp: 120507

Ion Ratio Lower Upper

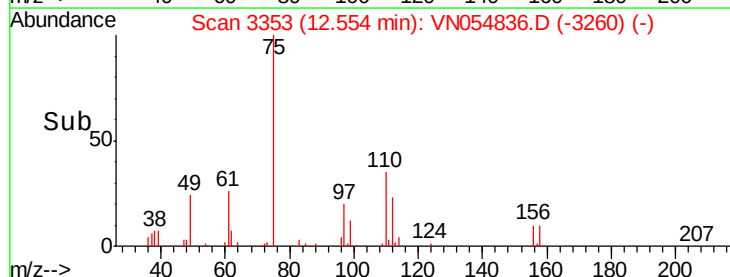
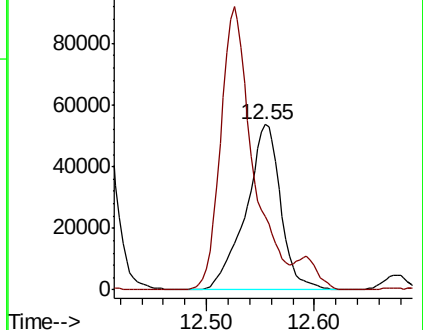
75 100

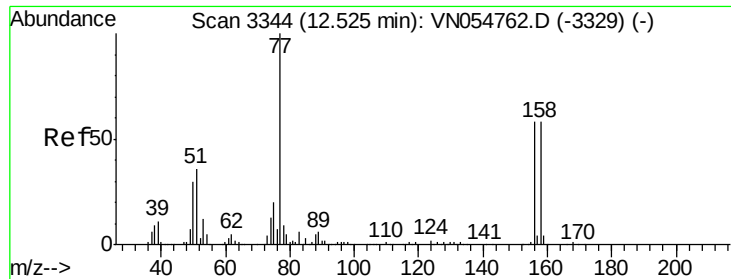
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054762.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN054762.D (-3349) (-)





#77

Bromobenzene

Concen: 20.724 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

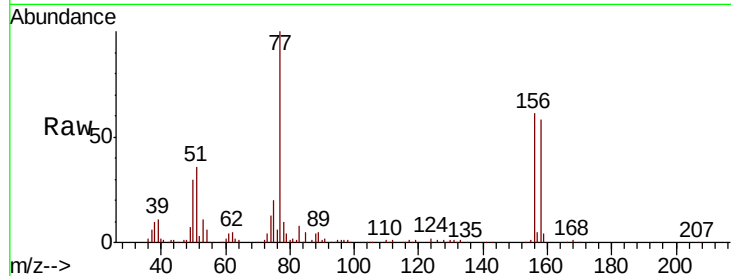
Tot Ion:156 Resp: 96184

Ion Ratio Lower Upper

156 100

77 198.1 81.5 244.4

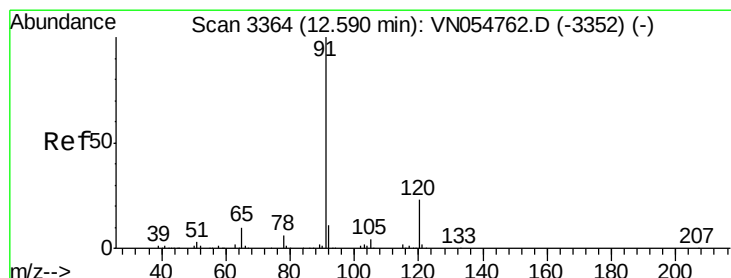
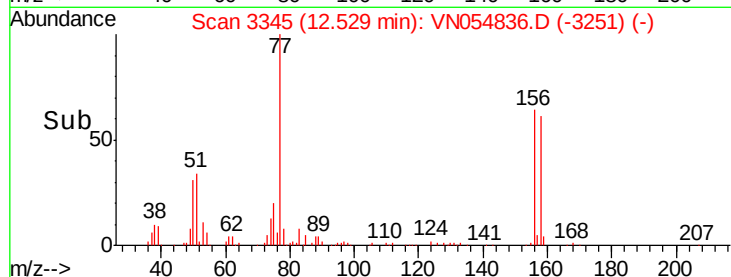
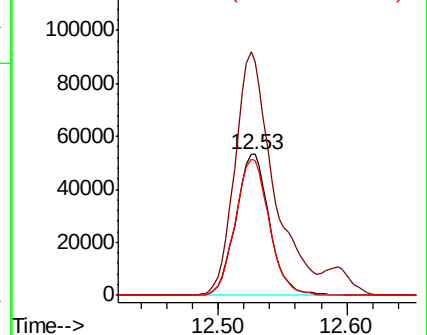
158 97.5 49.0 147.2



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: 19.987 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054836.D

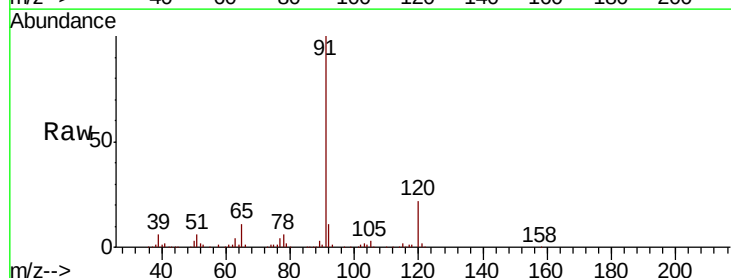
Acq: 31 Mar 2019 7:03

Tgt Ion: 91 Resp: 422455

Ion Ratio Lower Upper

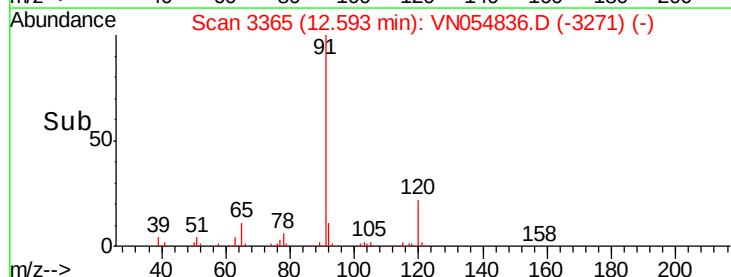
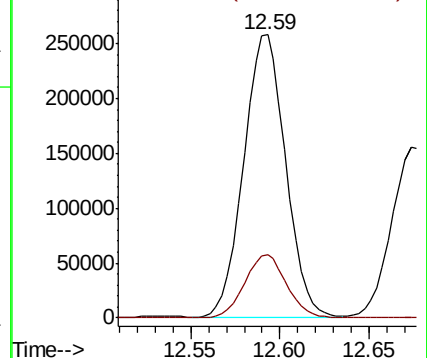
91 100

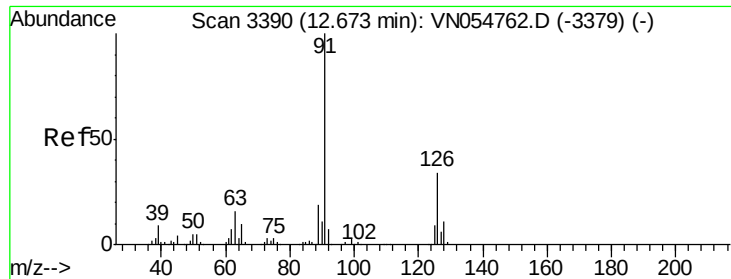
120 22.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.477 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

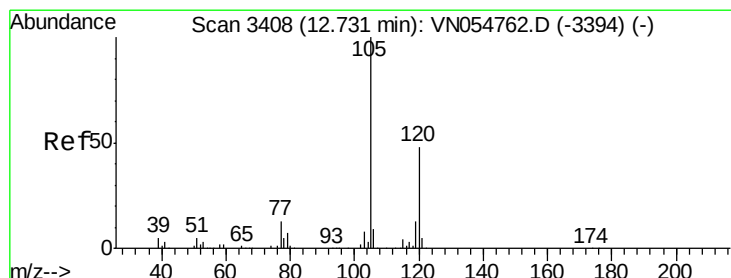
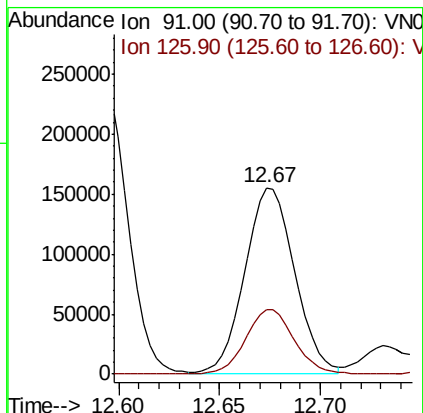
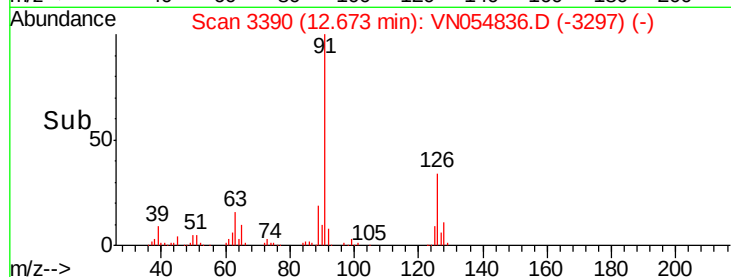
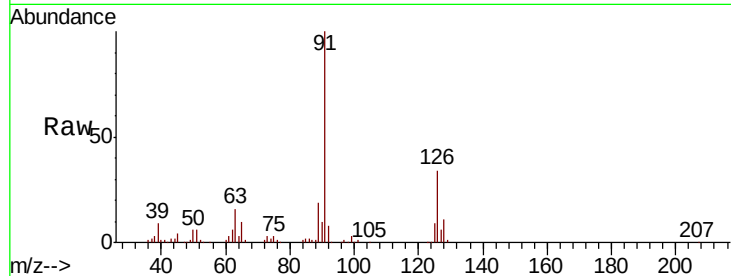
ClientSampled :

Tot Ion: 91 Resp: 267770

Ion Ratio Lower Upper

91 100

126 34.1 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.246 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054836.D

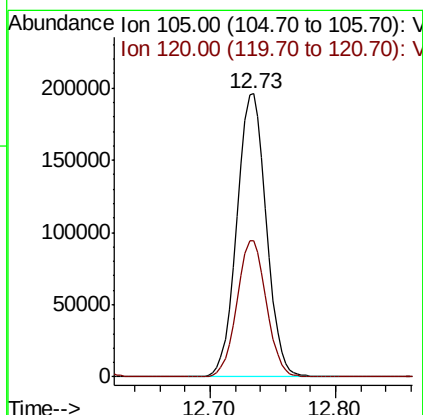
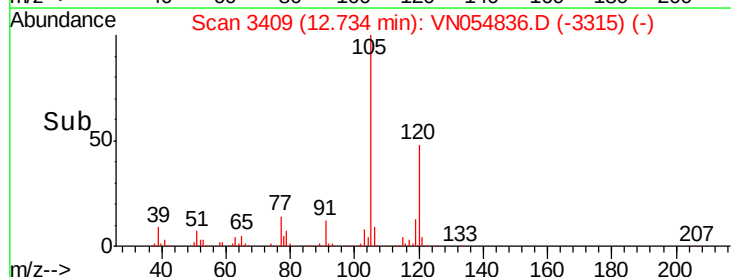
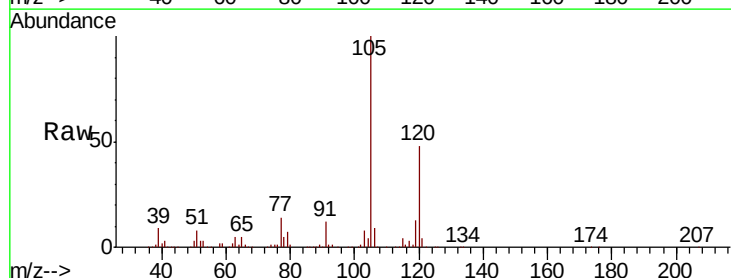
Acq: 31 Mar 2019 7:03

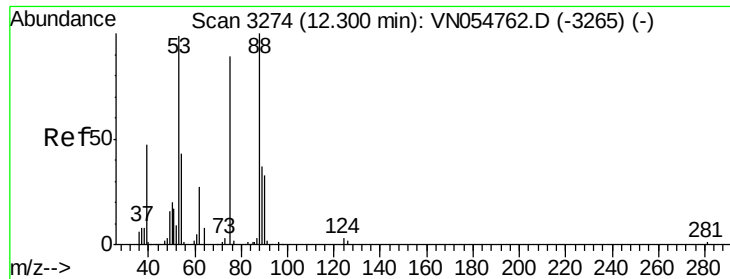
Tgt Ion: 105 Resp: 319471

Ion Ratio Lower Upper

105 100

120 48.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.488 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

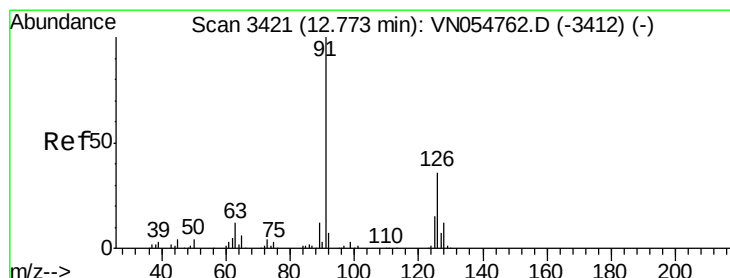
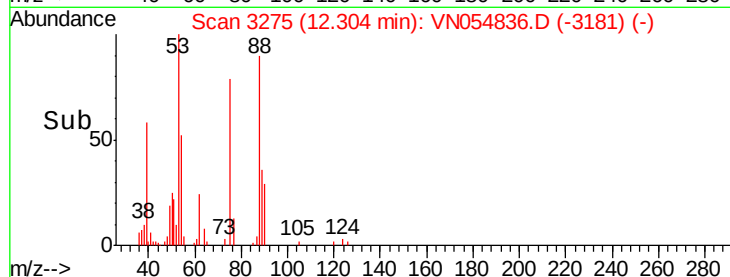
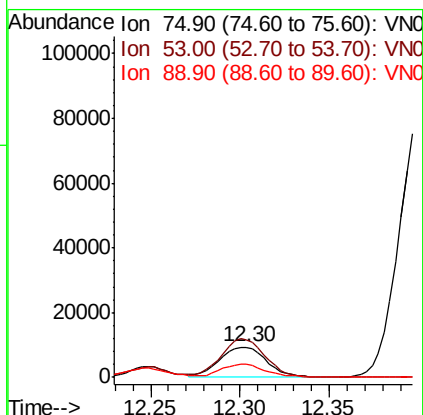
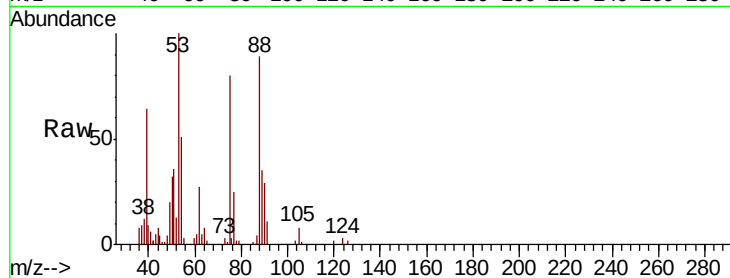
Tot Ion: 75 Resp: 17326

Ion Ratio Lower Upper

75 100

53 120.2 76.2 114.2#

89 40.9 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.183 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054836.D

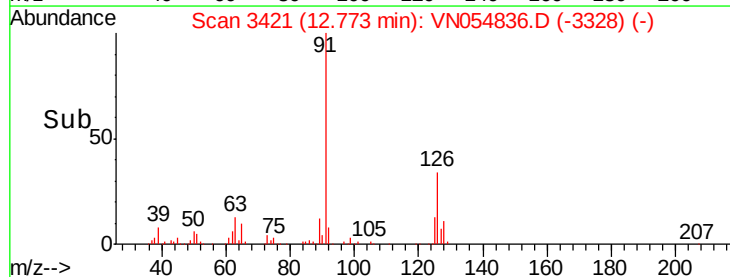
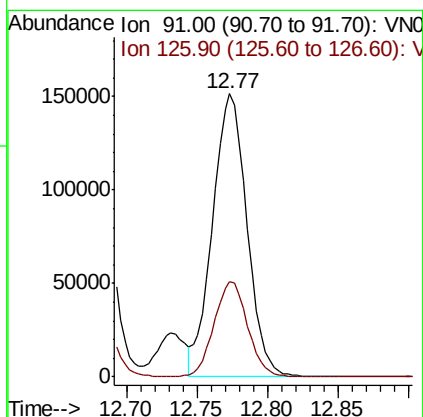
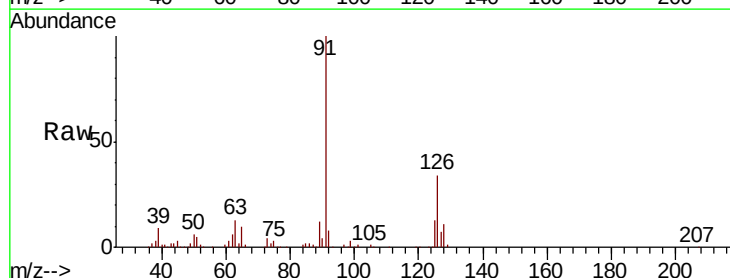
Acq: 31 Mar 2019 7:03

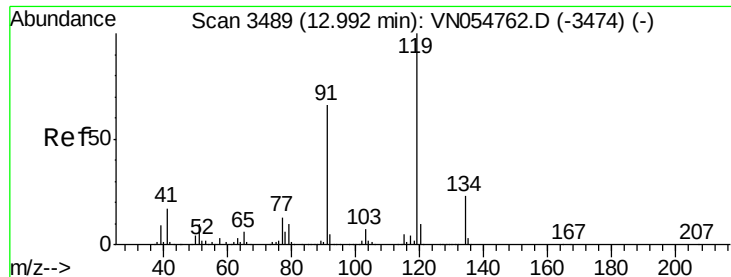
Tgt Ion: 91 Resp: 256345

Ion Ratio Lower Upper

91 100

126 33.0 18.1 54.1

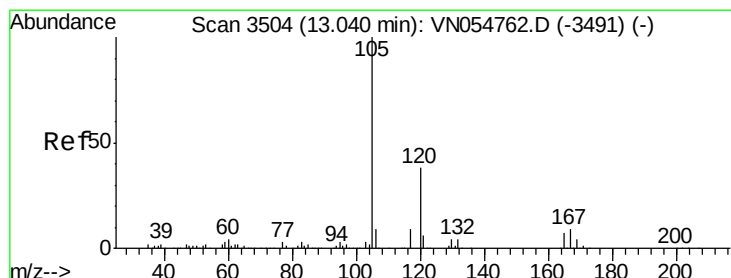
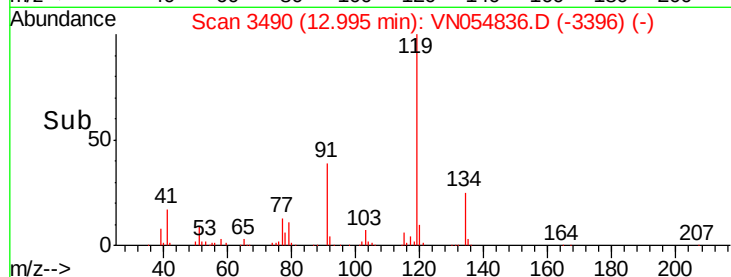
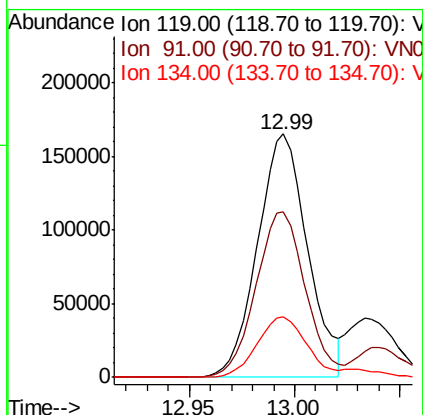
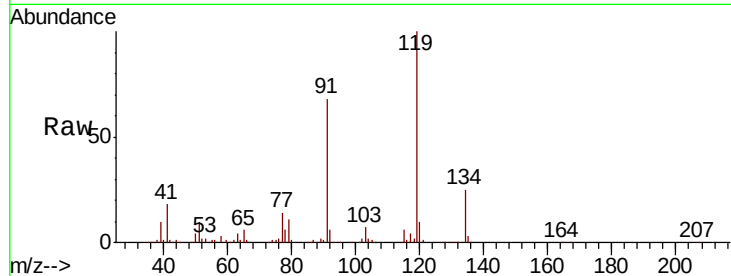




#83
 tert-Butylbenzene
 Concen: 21.142 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

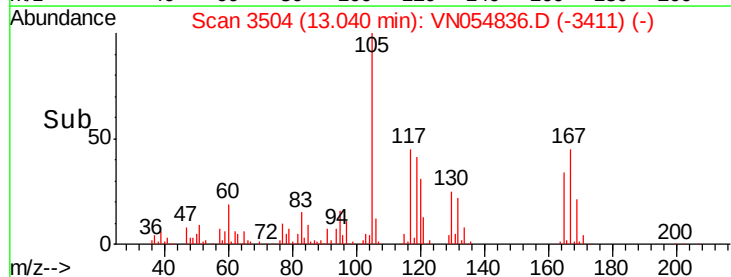
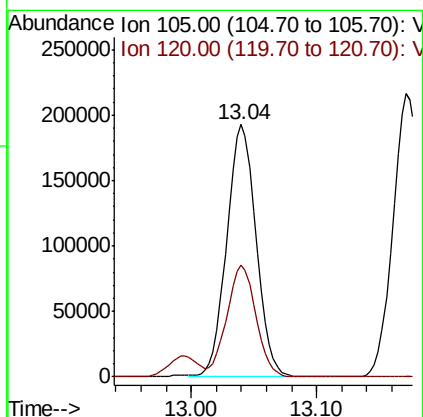
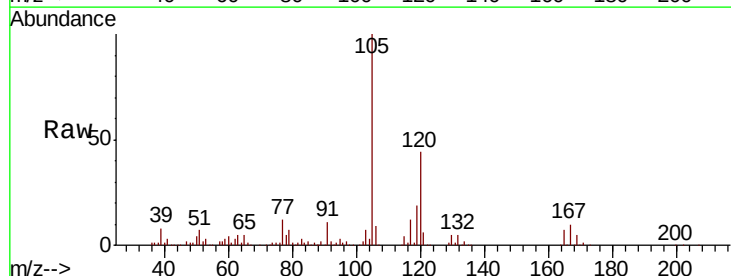
Instrument :
 MSVOA_N
 ClientSampled :

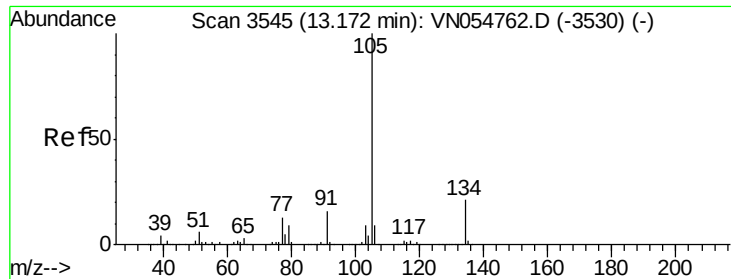
Tot Ion:119 Resp: 273213
 Ion Ratio Lower Upper
 119 100
 91 67.4 30.9 92.8
 134 24.9 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.790 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion:105 Resp: 312530
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.026 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

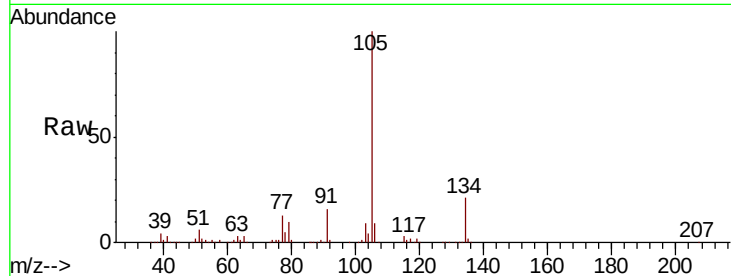
ClientSampled :

Tot Ion:105 Resp: 343270

Ion Ratio Lower Upper

105 100

134 19.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

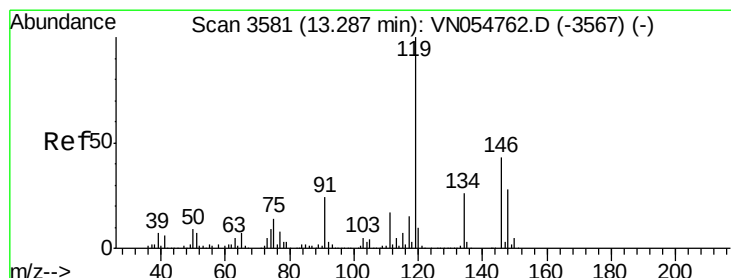
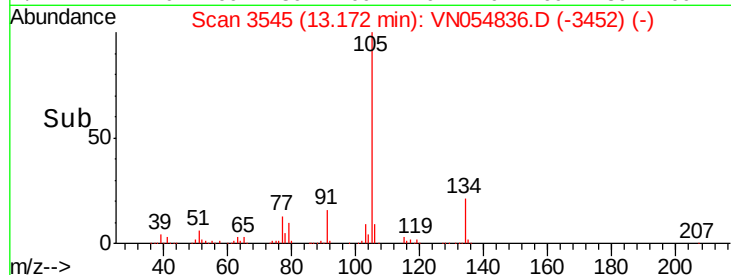
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.042 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

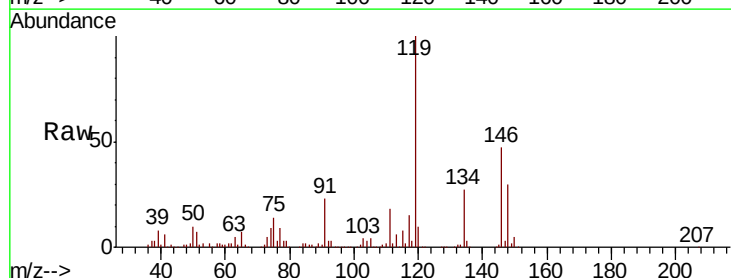
Tgt Ion:119 Resp: 287890

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 24.2 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

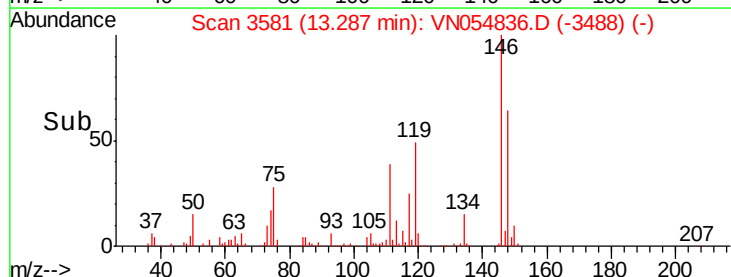
100000

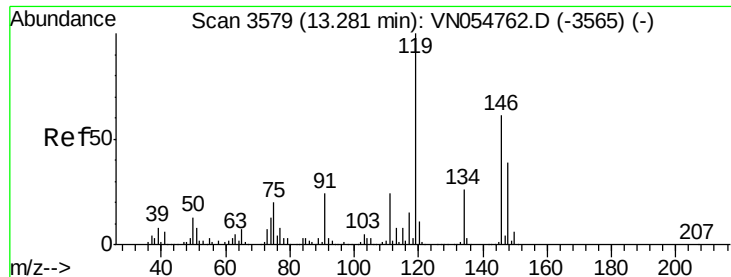
50000

0

13.20 13.30

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.167 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

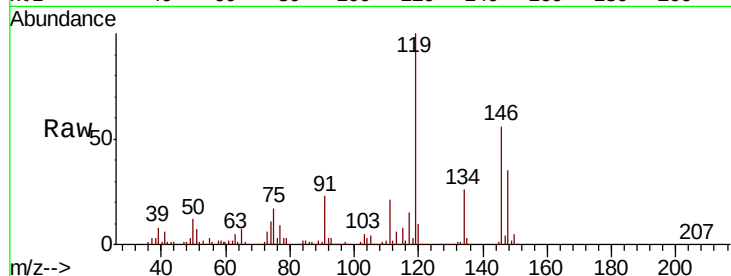
Tot Ion:146 Resp: 156709

Ion Ratio Lower Upper

146 100

111 39.1 18.8 56.3

148 63.6 32.2 96.6

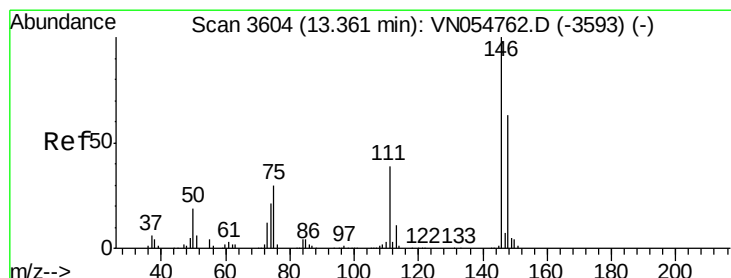
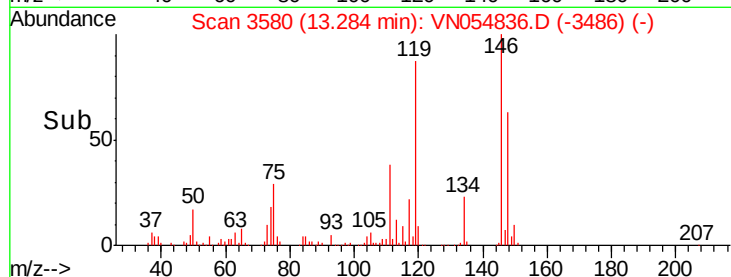
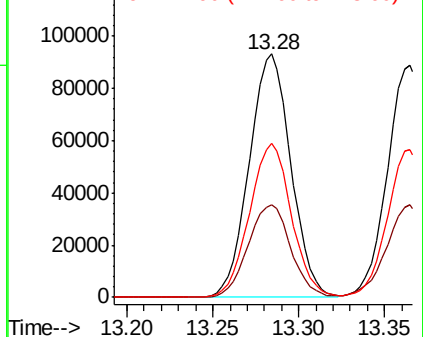


Abundance

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



#88

1,4-Dichlorobenzene

Concen: 19.508 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

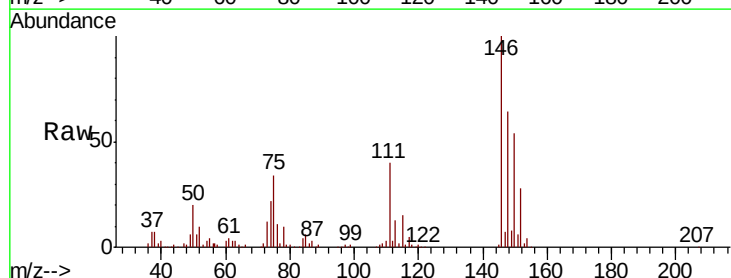
Tgt Ion:146 Resp: 148674

Ion Ratio Lower Upper

146 100

111 39.8 18.1 54.1

148 64.2 32.0 96.0

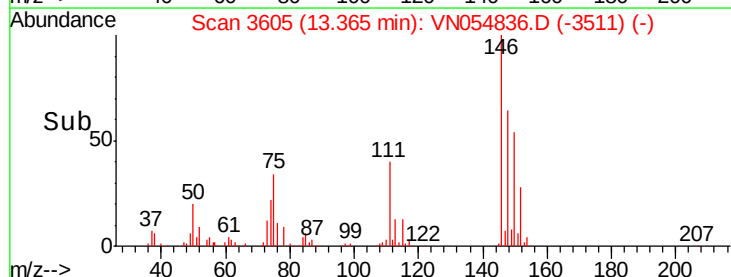
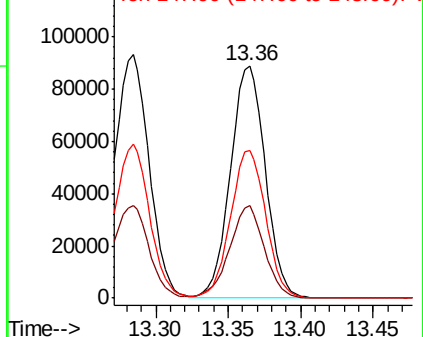


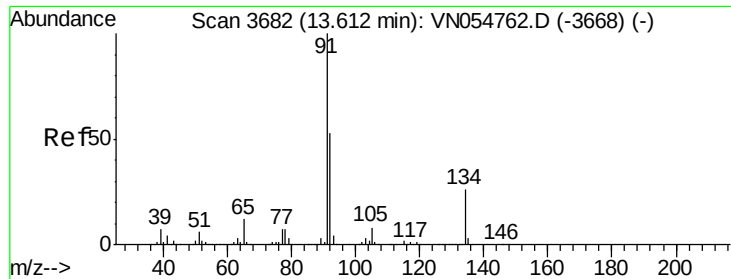
Abundance

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





#89

n-Butylbenzene

Concen: 17.109 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampleId :

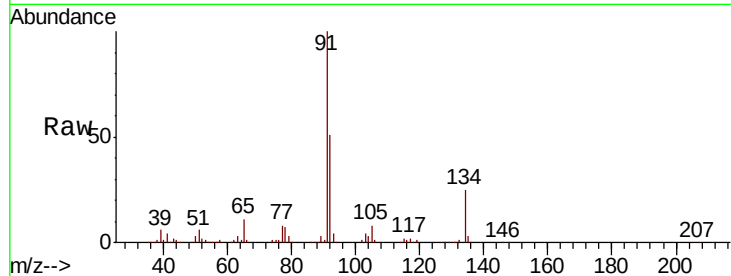
Tot Ion: 91 Resp: 211035

Ion Ratio Lower Upper

91 100

92 51.7 26.2 78.6

134 25.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054836.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054836.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054836.D (-3682) (-)

13.62

150000

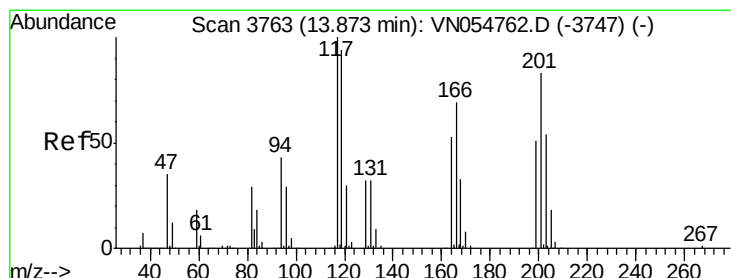
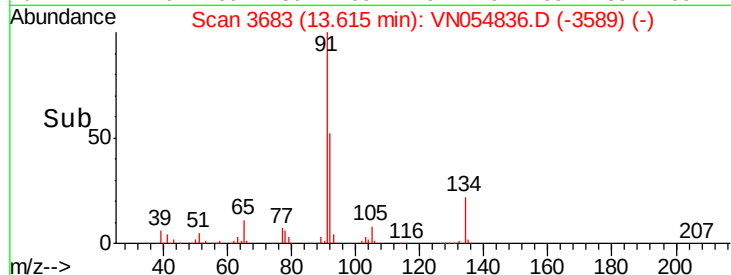
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 19.144 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054836.D

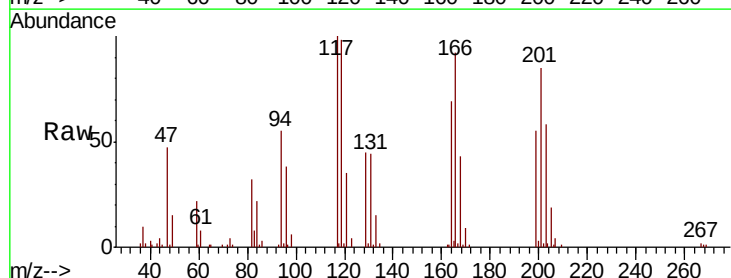
Acq: 31 Mar 2019 7:03

Tgt Ion: 117 Resp: 49140

Ion Ratio Lower Upper

117 100

201 85.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054836.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054836.D (-3763) (-)

13.87

30000

25000

20000

15000

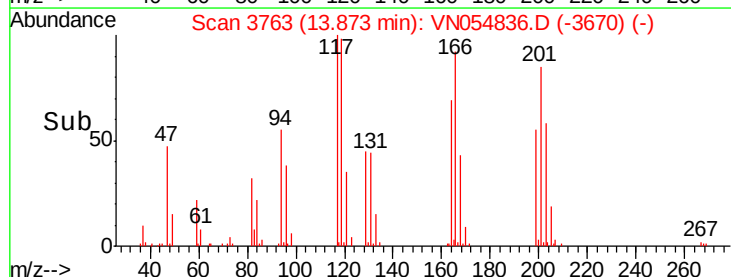
10000

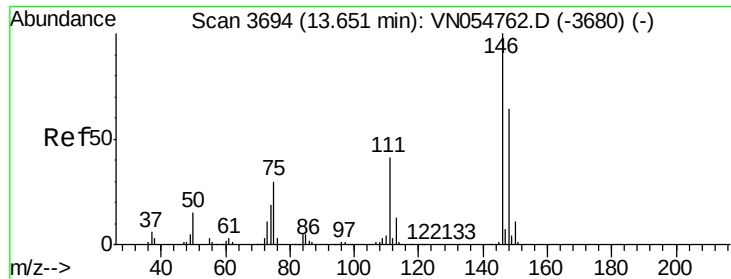
5000

0

13.80 13.85 13.90

Time-->

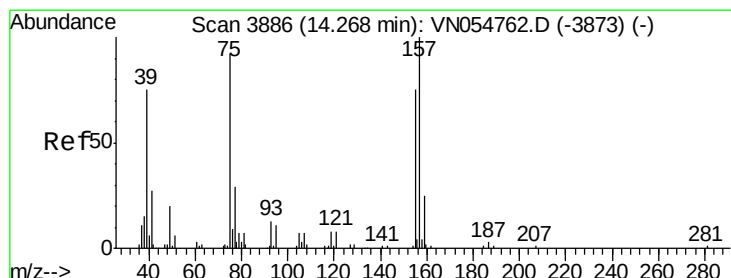
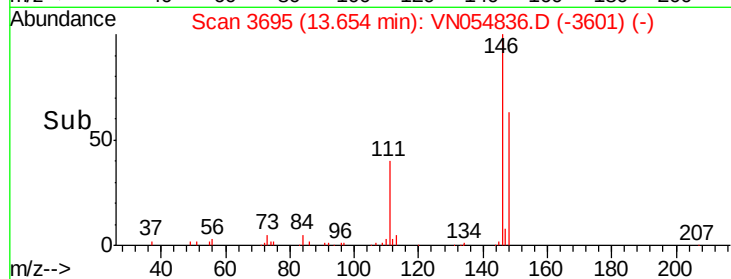
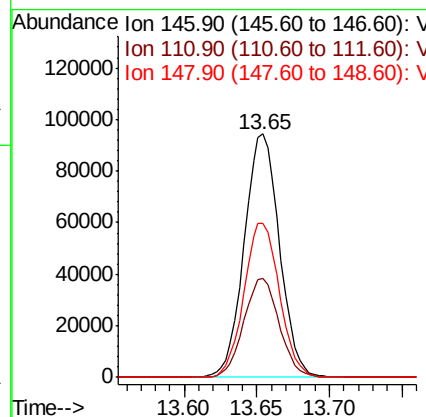
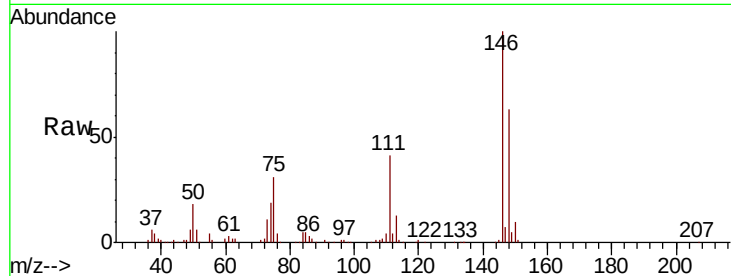




#91
 1,2-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

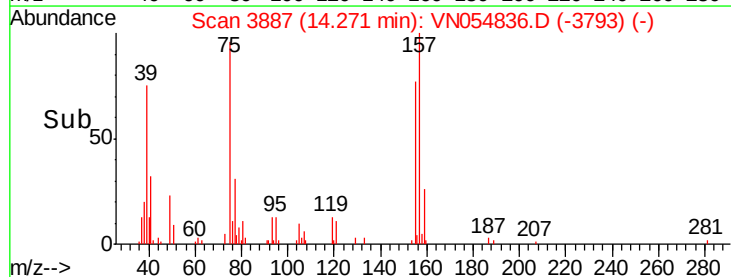
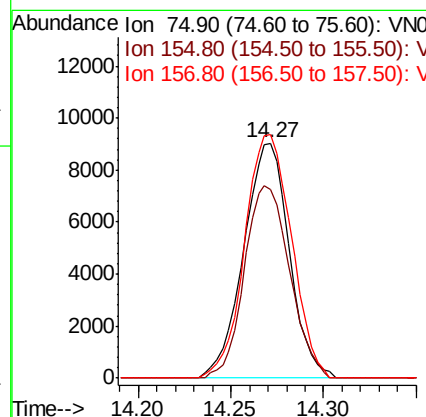
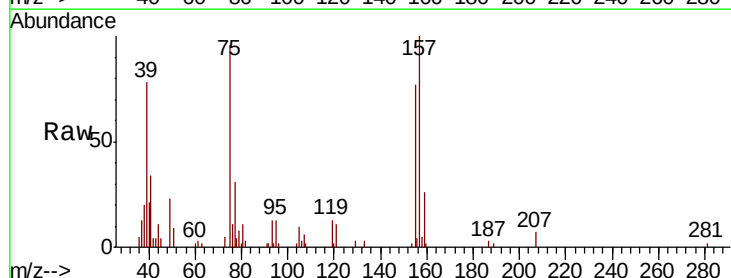
Instrument :
 MSVOA_N
 ClientSampleId :

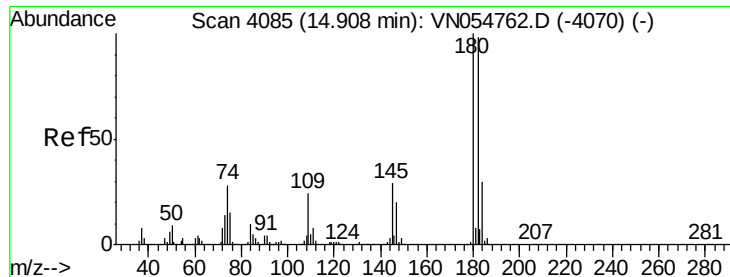
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.1	57.3
148	63.7	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.449 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	50.1	150.3
157	106.4	63.1	189.3

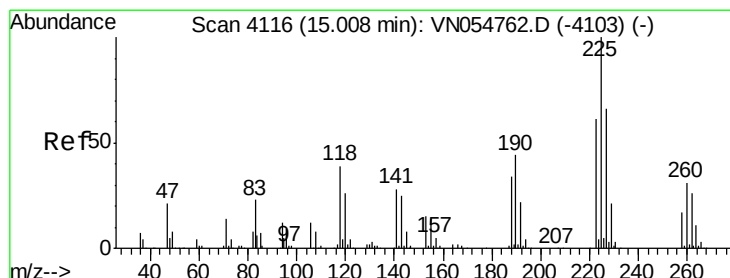
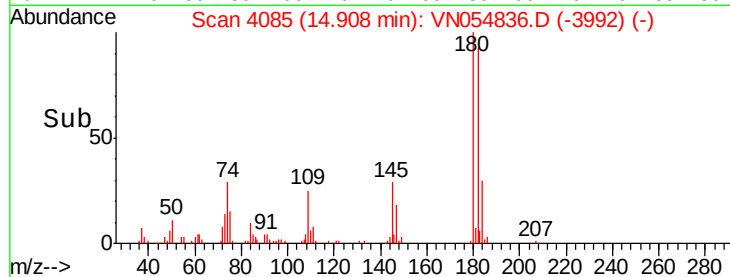
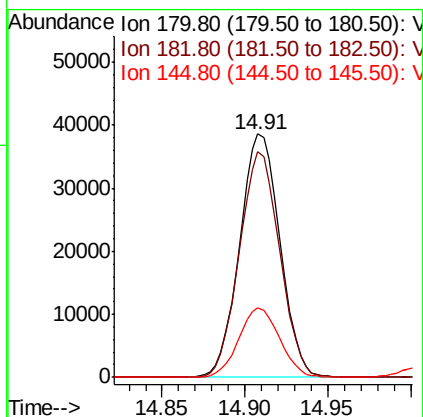
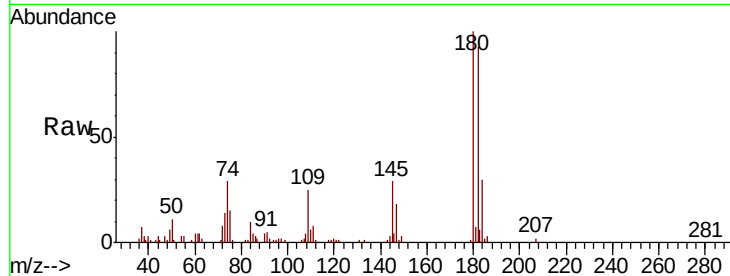




#93
 1,2,4-Trichlorobenzene
 Concen: 17.238 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

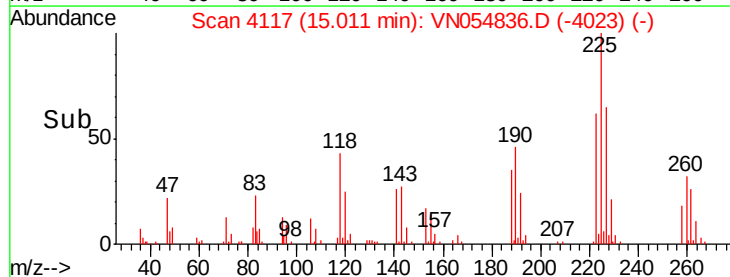
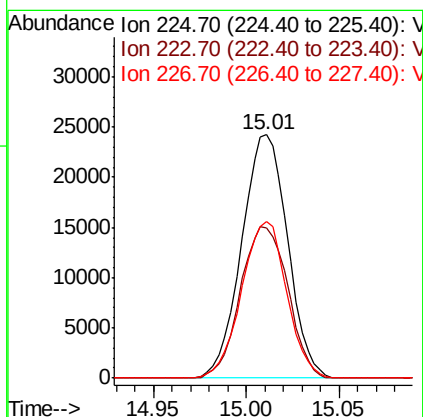
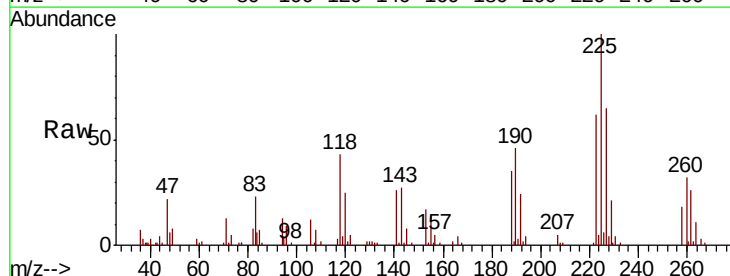
Instrument :
 MSVOA_N
 ClientSampled :

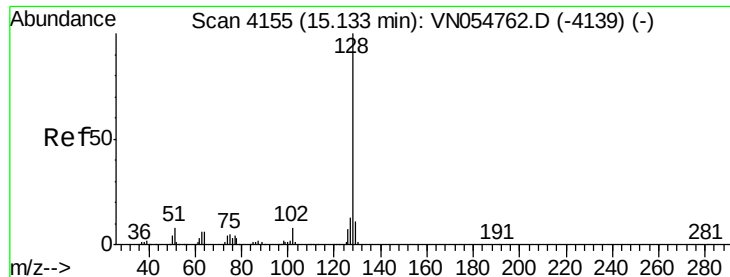
Tot Ion:180 Resp: 65174
 Ion Ratio Lower Upper
 180 100
 182 92.9 48.0 144.2
 145 28.9 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 17.210 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054836.D
 Acq: 31 Mar 2019 7:03

Tgt Ion:225 Resp: 41624
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.1 93.5
 227 63.3 31.9 95.9





#95

Naphthalene

Concen: 18.825 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

Instrument :

MSVOA_N

ClientSampled :

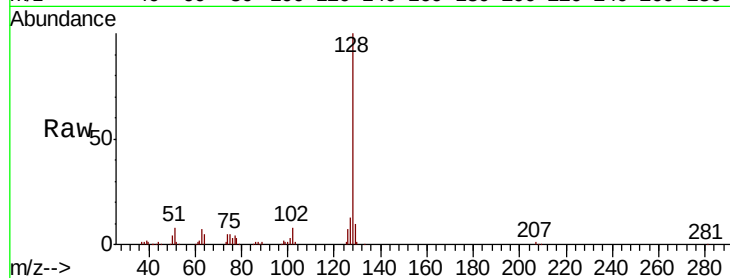
Tot Ion:128 Resp: 159629

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

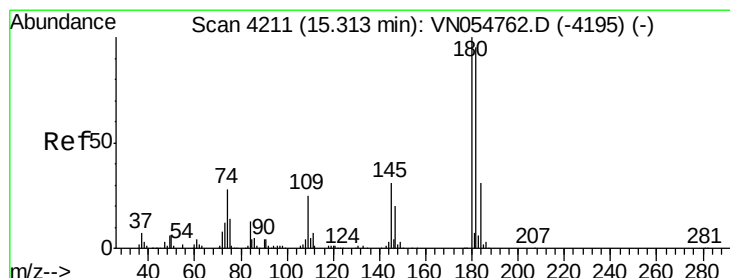
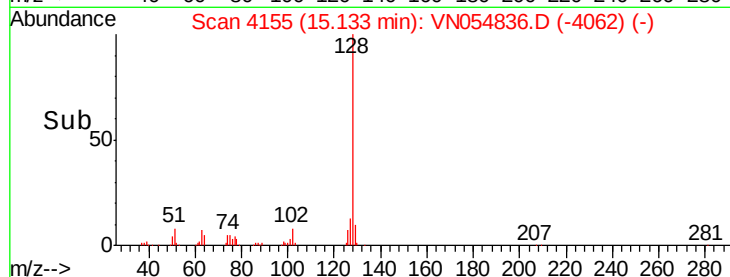
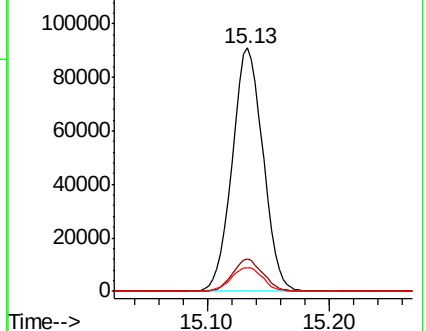
129 10.0 8.7 13.1



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: 18.268 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054836.D

Acq: 31 Mar 2019 7:03

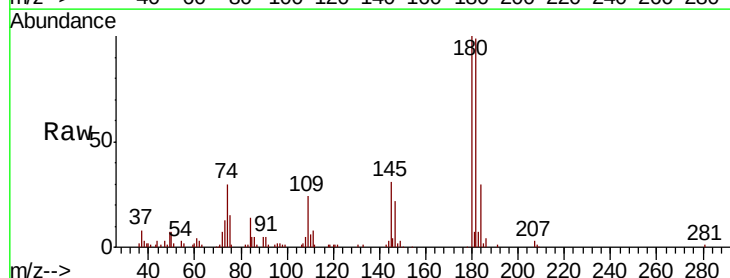
Tgt Ion:180 Resp: 69752

Ion Ratio Lower Upper

180 100

182 97.5 47.5 142.6

145 30.2 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

