

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054515.D
 Acq On : 21 Mar 2019 17:05
 Operator : JC/SP
 Sample : VN0321WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

Quant Time: Mar 22 10:15:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	521846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	857349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	725269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	301515	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	342346	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	7.59	113	267332	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	10.09	98	1003264	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	332455	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	104781	21.004	ug/l	99
3) Chloromethane	2.06	50	144013	21.217	ug/l	99
4) Vinyl Chloride	2.19	62	141572	20.775	ug/l	98
5) Bromomethane	2.58	94	82670	18.761	ug/l	100
6) Chloroethane	2.71	64	77818	19.038	ug/l	94
7) Trichlorofluoromethane	3.02	101	170079	20.551	ug/l	99
8) Diethyl Ether	3.41	74	62452	19.621	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	93401	19.203	ug/l	93
10) Methyl Iodide	3.95	142	133267	18.627	ug/l	94
11) Tert butyl alcohol	4.82	59	43822	111.513	ug/l	98
12) 1,1-Dichloroethene	3.73	96	94650	18.804	ug/l #	77
13) Acrolein	3.61	56	46922	86.522	ug/l	97
14) Allyl chloride	4.32	41	193141	20.377	ug/l #	93
15) Acrylonitrile	5.00	53	217918	111.354	ug/l	99
16) Acetone	3.82	43	160552	82.271	ug/l #	87
17) Carbon Disulfide	4.04	76	248348	18.415	ug/l	99
18) Methyl Acetate	4.33	43	98483	22.641	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	315755	21.495	ug/l	94
20) Methylene Chloride	4.54	84	118098	20.529	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	109395	21.284	ug/l #	82
22) Diisopropyl ether	5.96	45	411731	22.023	ug/l #	96
23) Vinyl Acetate	5.90	43	1451261	109.910	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	218475	21.704	ug/l	99
25) 2-Butanone	6.85	43	263771	105.514	ug/l	89
26) 2,2-Dichloropropane	6.82	77	137364	19.143	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	129107	21.060	ug/l	90
28) Bromochloromethane	7.20	49	107779	21.752	ug/l #	73
29) Tetrahydrofuran	7.22	42	188079	115.937	ug/l #	85
30) Chloroform	7.37	83	213315	21.714	ug/l	98
31) Cyclohexane	7.65	56	210423	20.728	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	174828	21.571	ug/l	96
36) 1,1-Dichloropropene	7.79	75	156781	19.558	ug/l	96
37) Ethyl Acetate	6.94	43	121199	21.258	ug/l	97
38) Carbon Tetrachloride	7.77	117	148040	19.004	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	177280	19.333	ug/l	90
40) Benzene	8.04	78	476326	20.779	ug/l	99
41) Methacrylonitrile	7.18	41	60646	17.442	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	169083	20.254	ug/l	98
43) Isopropyl Acetate	8.17	43	200692	20.843	ug/l #	95
44) Trichloroethene	8.84	130	128291	20.130	ug/l	99
45) 1,2-Dichloropropane	9.12	63	131771	21.408	ug/l	100
46) Dibromomethane	9.21	93	76503	20.834	ug/l	90
47) Bromodichloromethane	9.40	83	153961	20.202	ug/l	99
48) Methyl methacrylate	9.20	41	104341	19.965	ug/l	90
49) 1,4-Dioxane	9.20	88	23915	409.319	ug/l #	88
51) 4-Methyl-2-Pentanone	9.99	43	572206	107.227	ug/l	94
52) Toluene	10.16	92	275709	19.556	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	139906	18.858	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	176096	20.152	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	103498	20.422	ug/l	97
56) Ethyl methacrylate	10.43	69	137517	20.216	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	185291	21.033	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	270258	96.486	ug/l	90
59) 2-Hexanone	10.75	43	351814	100.931	ug/l	93
60) Dibromochloromethane	10.90	129	106860	19.815	ug/l	99
61) 1,2-Dibromoethane	11.01	107	103038	20.565	ug/l	97
64) Tetrachloroethene	10.63	164	120556	20.040	ug/l	95
65) Chlorobenzene	11.43	112	292614	19.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	108690	20.528	ug/l	98
67) Ethyl Benzene	11.51	91	523830	20.103	ug/l	98
68) m/p-Xylenes	11.62	106	386017	39.111	ug/l	96
69) o-Xylene	11.95	106	192208	19.941	ug/l	98
70) Styrene	11.96	104	308684	19.721	ug/l	97
71) Bromoform	12.13	173	60678	18.105	ug/l #	100
73) Isopropylbenzene	12.25	105	505550	20.807	ug/l	98
74) N-amyl acetate	12.07	43	153365	21.953	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	123193	22.212	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	144660	30.235	ug/l #	100
77) Bromobenzene	12.53	156	123052	20.420	ug/l	88
78) n-propylbenzene	12.59	91	535293	20.318	ug/l	97
79) 2-Chlorotoluene	12.67	91	333704	20.311	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	406970	20.437	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	23473	19.012	ug/l #	76
82) 4-Chlorotoluene	12.77	91	321001	20.157	ug/l	96
83) tert-Butylbenzene	12.99	119	359723	20.753	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	393911	20.160	ug/l	99
85) sec-Butylbenzene	13.17	105	438411	20.290	ug/l	98
86) p-Isopropyltoluene	13.29	119	389581	20.153	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	200034	20.032	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	189463	19.500	ug/l	97
89) n-Butylbenzene	13.62	91	291658	19.295	ug/l	98
90) Hexachloroethane	13.88	117	59094	19.694	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	196852	20.352	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17700	21.757	ug/l	84

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Response via : Initial Calibration

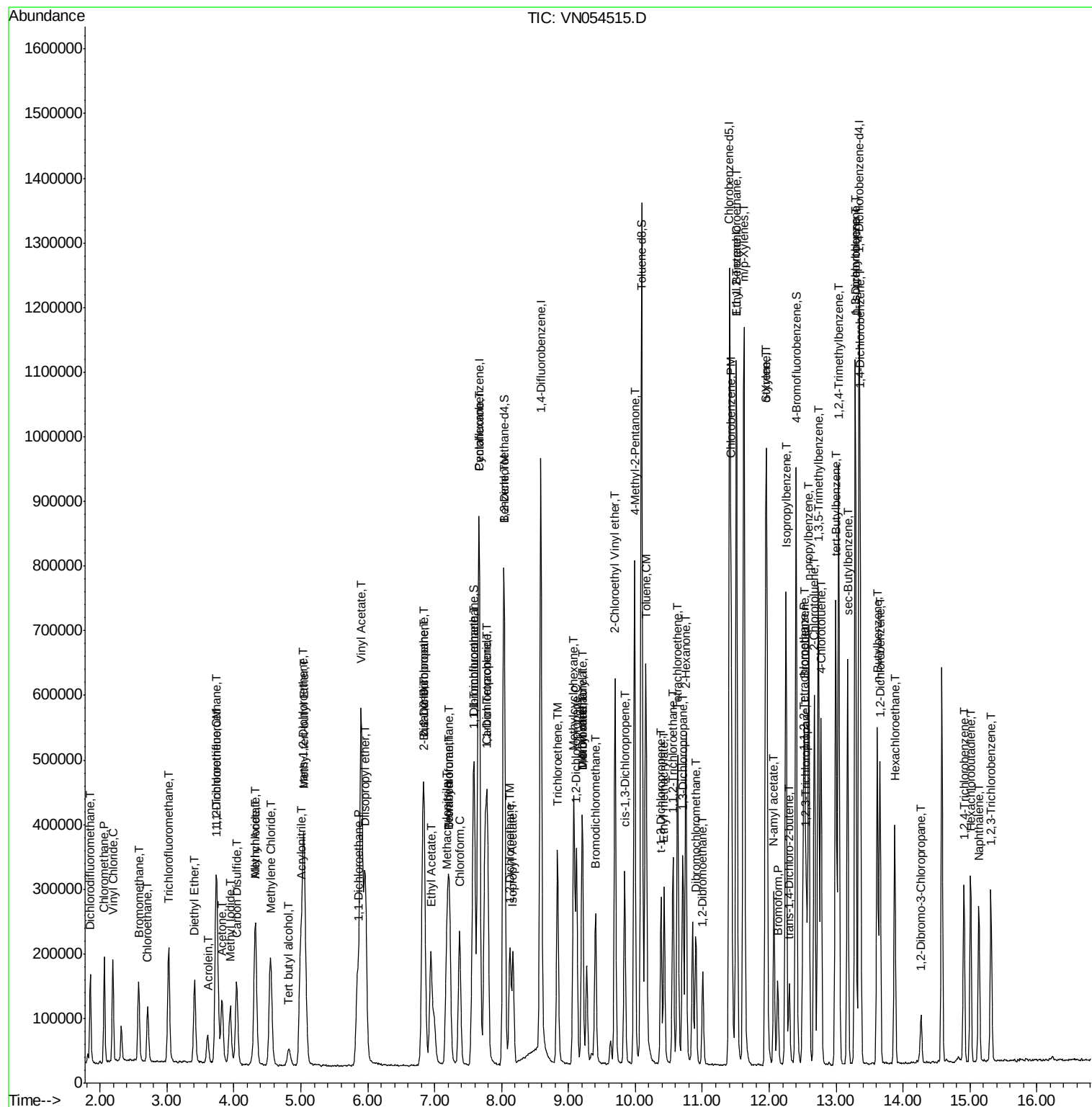
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91655	19.009	ug/l	99
94) Hexachlorobutadiene	15.01	225	56349	19.277	ug/l	97
95) Naphthalene	15.13	128	209706	19.499	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	94408	19.673	ug/l	100

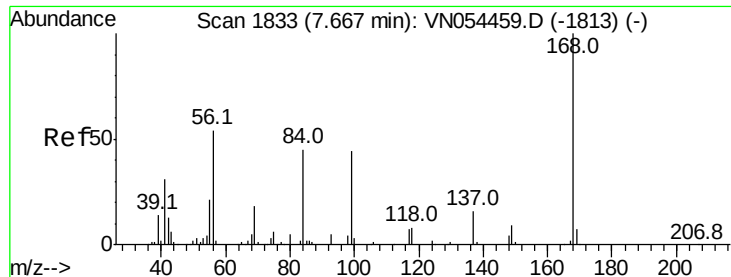
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032119\
Data File : VN054515.D
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

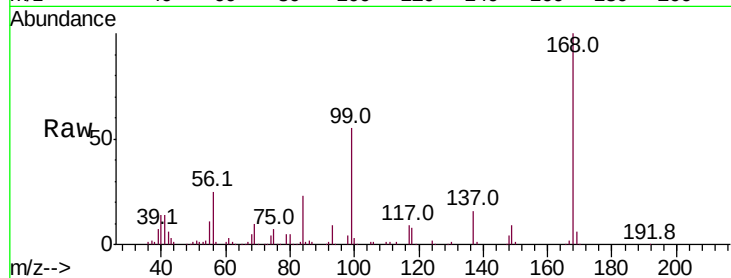
VN0321WBS01

Tot Ion:168 Resp: 521846

Ion Ratio Lower Upper

168 100

99 53.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

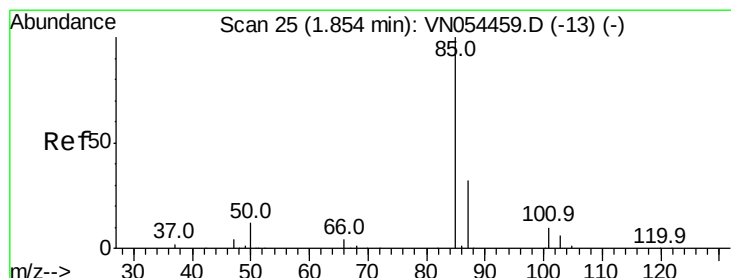
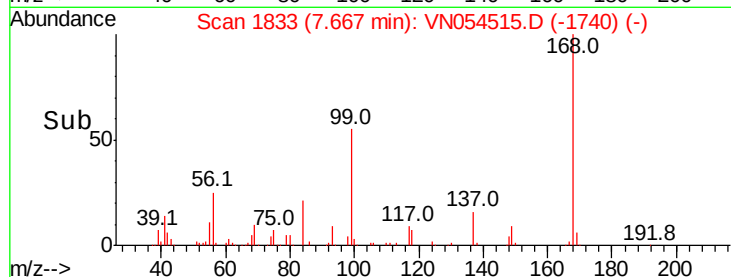
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.004 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054515.D

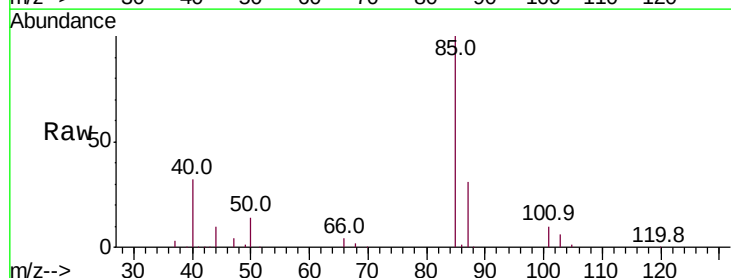
Acq: 21 Mar 2019 17:05

Tgt Ion: 85 Resp: 104781

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

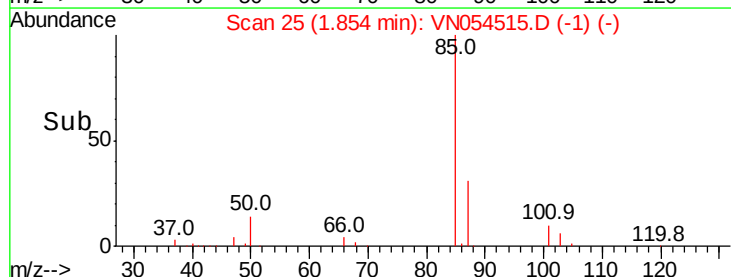
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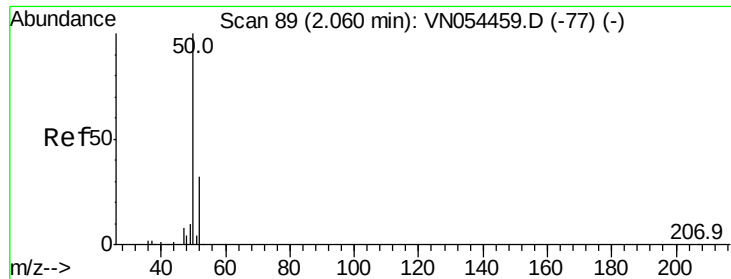
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.217 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

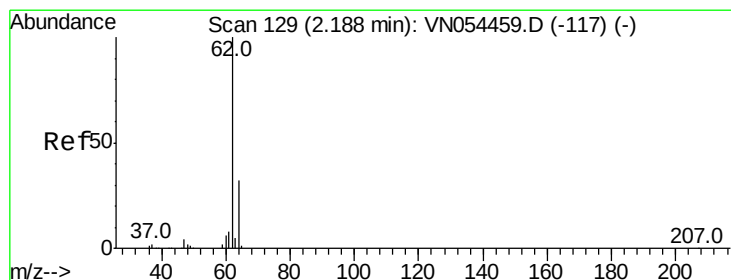
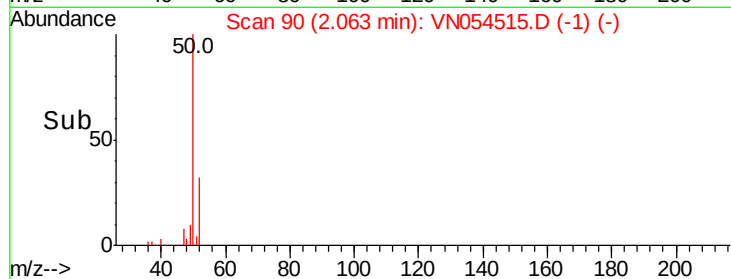
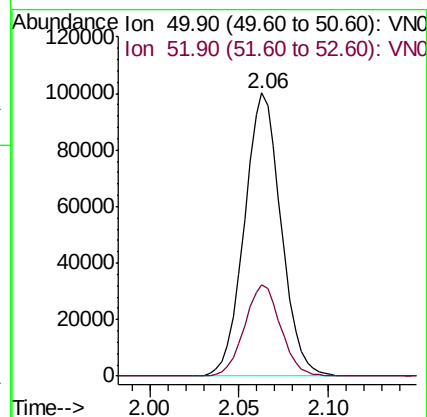
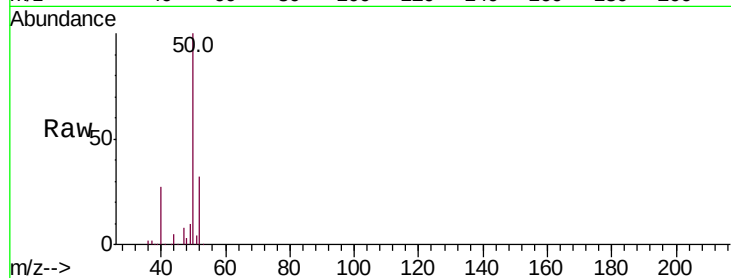
VN0321WBS01

Tot Ion: 50 Resp: 144013

Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6



#4

Vinyl Chloride

Concen: 20.775 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054515.D

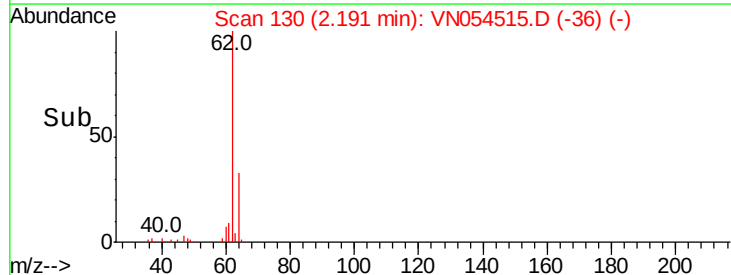
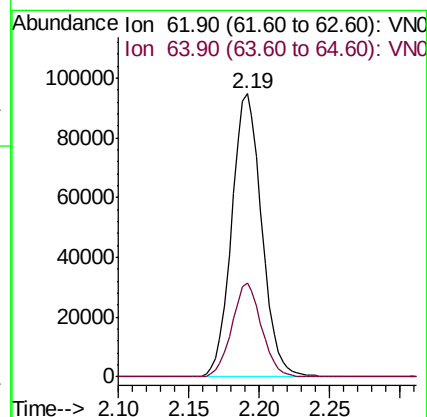
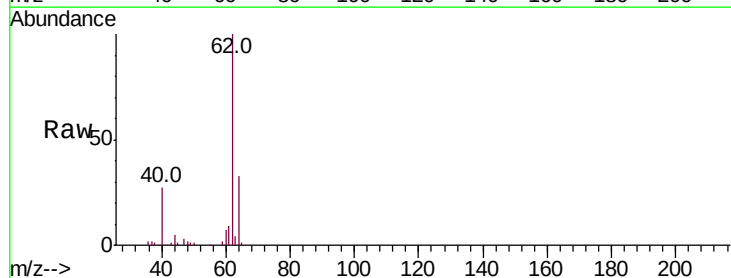
Acq: 21 Mar 2019 17:05

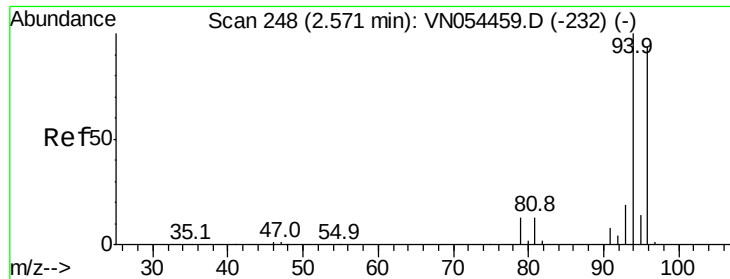
Tgt Ion: 62 Resp: 141572

Ion Ratio Lower Upper

62 100

64 33.0 25.5 38.3





#5

Bromomethane

Concen: 18.761 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

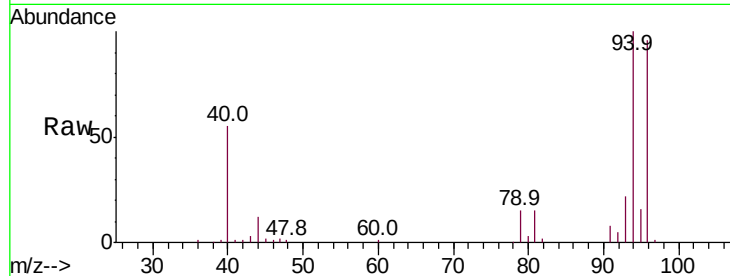
VN0321WBS01

Tot Ion: 94 Resp: 82670

Ion Ratio Lower Upper

94 100

96 96.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

40000

30000

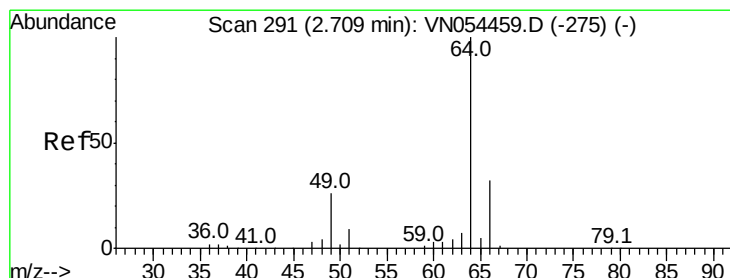
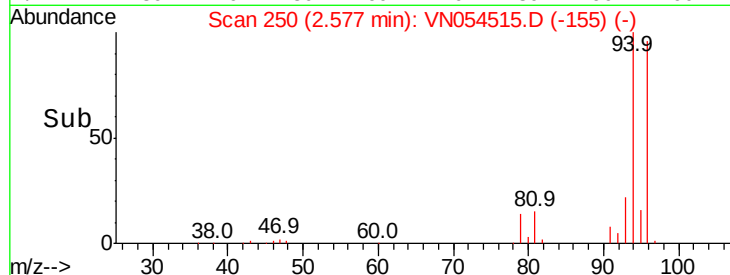
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.038 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054515.D

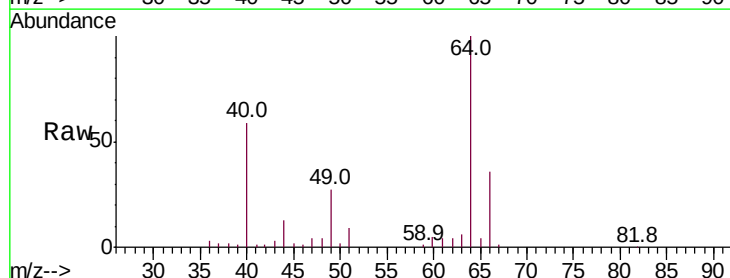
Acq: 21 Mar 2019 17:05

Tgt Ion: 64 Resp: 77818

Ion Ratio Lower Upper

64 100

66 35.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

40000

30000

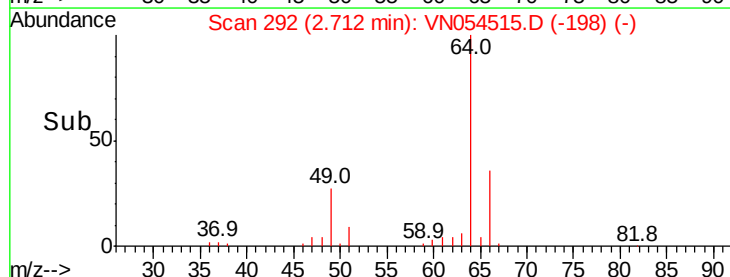
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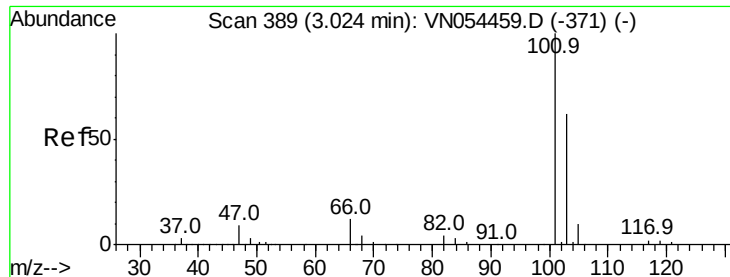
10000

0

Time-->

2.65 2.70 2.75 2.80



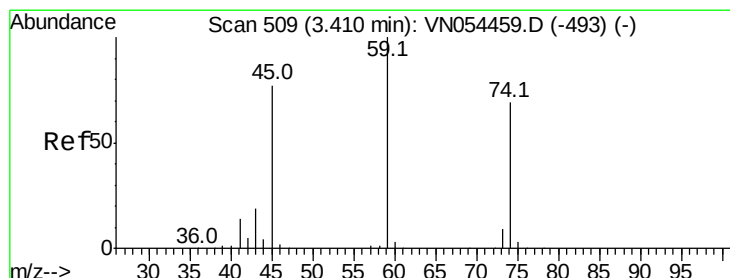
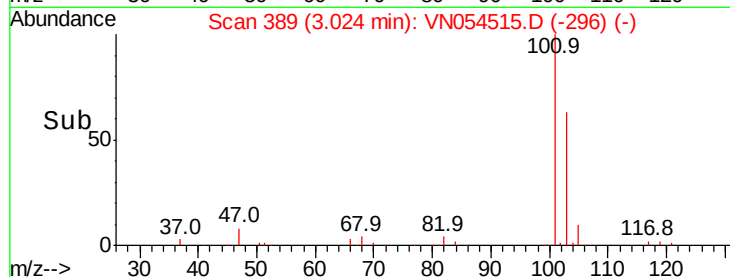
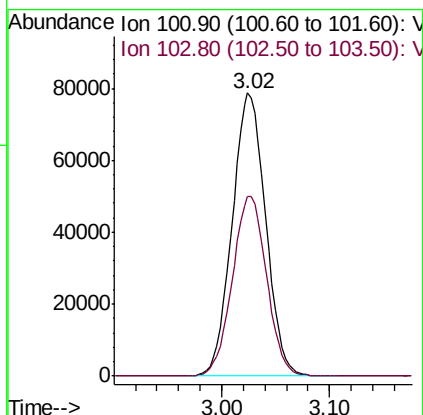
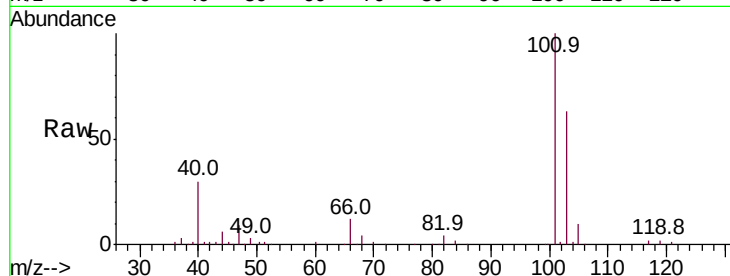


#7

Trichlorofluoromethane
 Concen: 20.551 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBS01

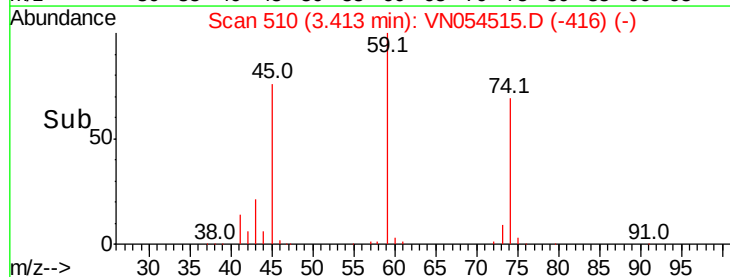
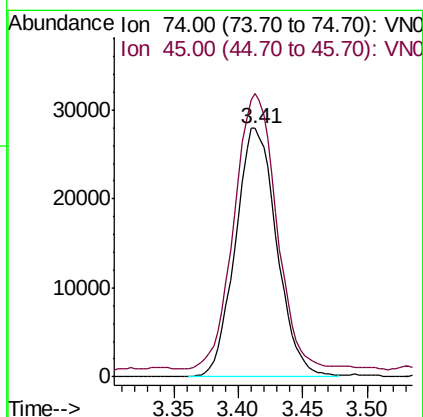
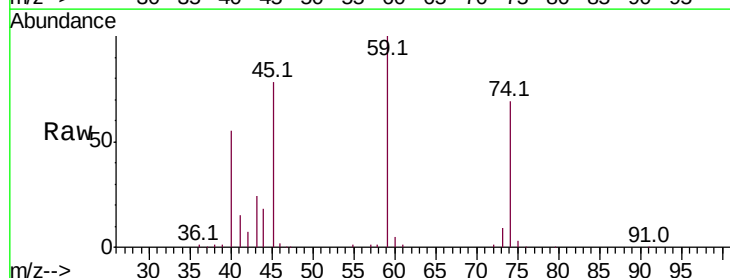
Tot Ion:101 Resp: 170079
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.4 77.2

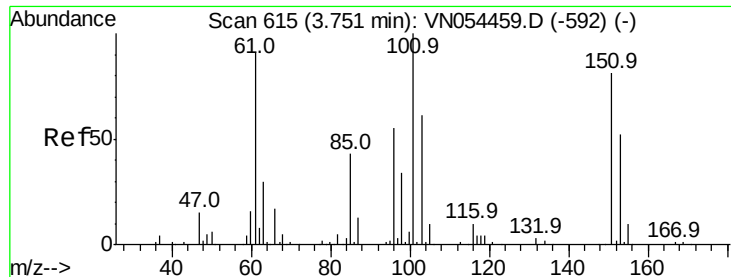


#8

Diethyl Ether
 Concen: 19.621 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Tgt Ion: 74 Resp: 62452
 Ion Ratio Lower Upper
 74 100
 45 112.4 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.203 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

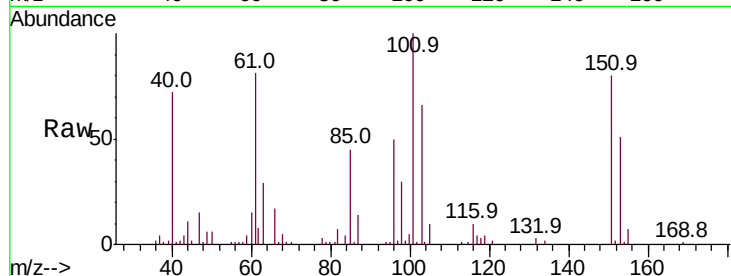
Tot Ion:101 Resp: 93401

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

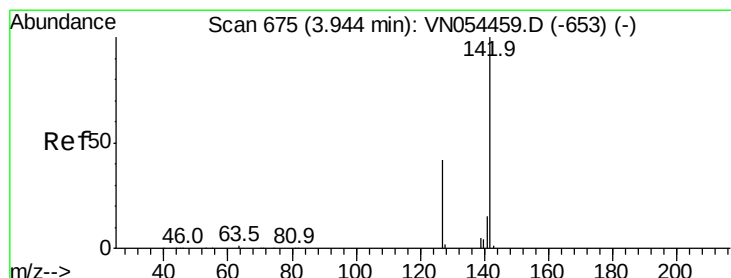
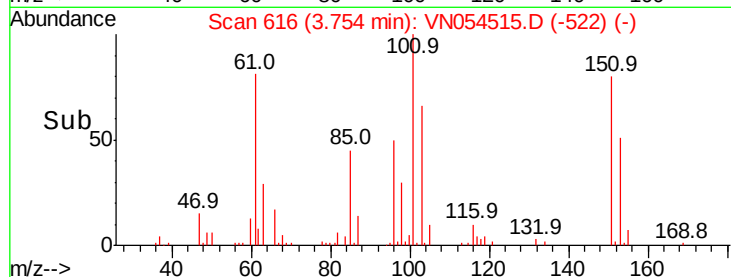
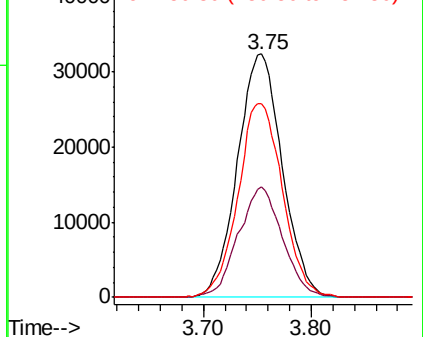
151 79.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.627 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

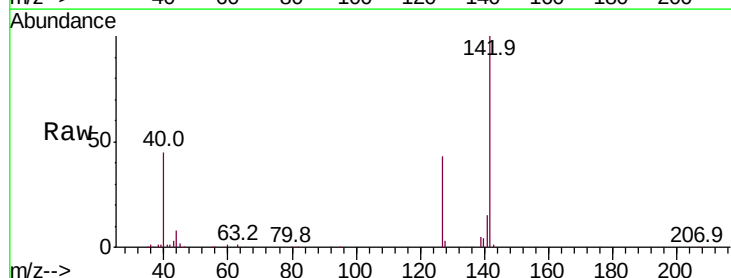
Tgt Ion:142 Resp: 133267

Ion Ratio Lower Upper

142 100

127 42.6 30.3 45.5

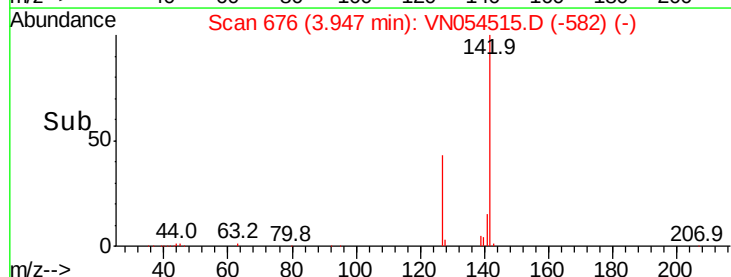
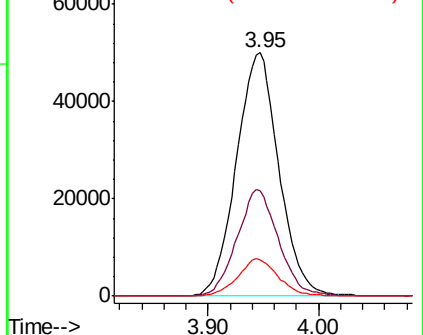
141 14.6 11.2 16.8

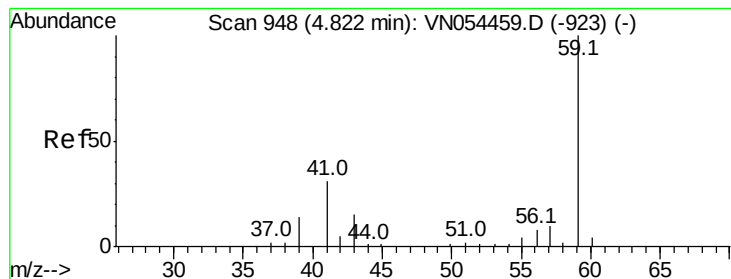


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



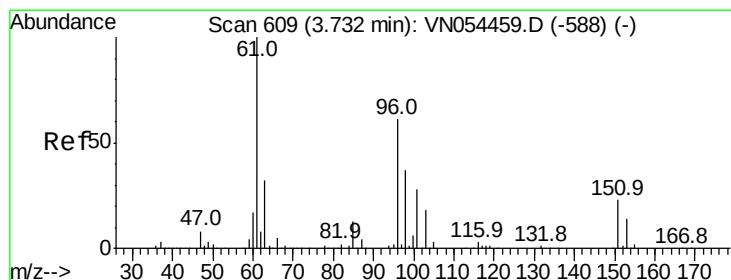
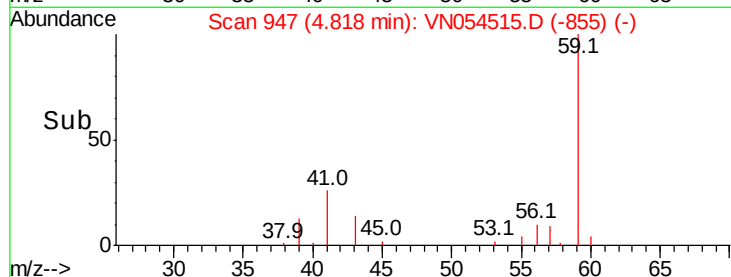
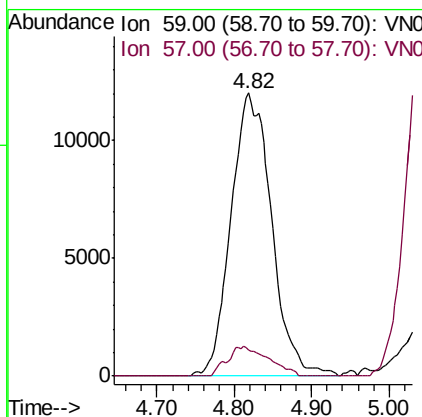
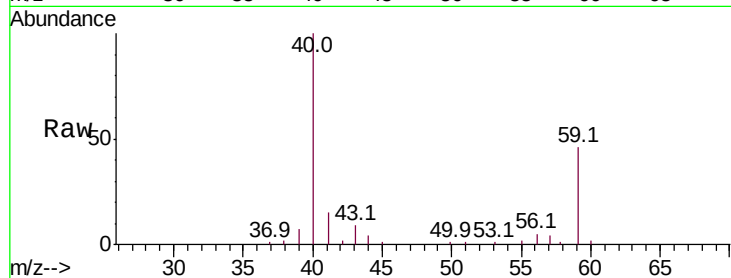


#11

Tert butyl alcohol
 Concen: 111.513 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBS01

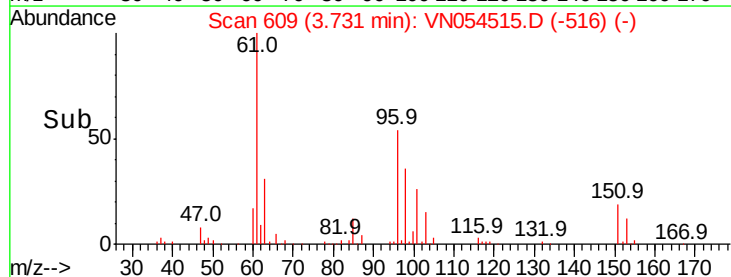
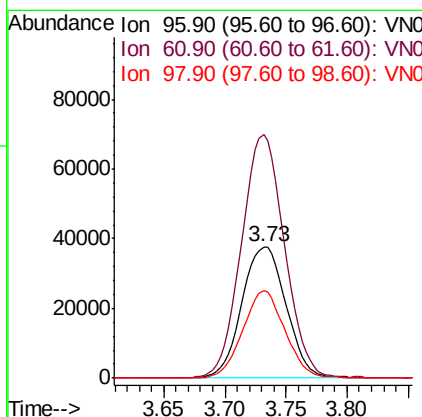
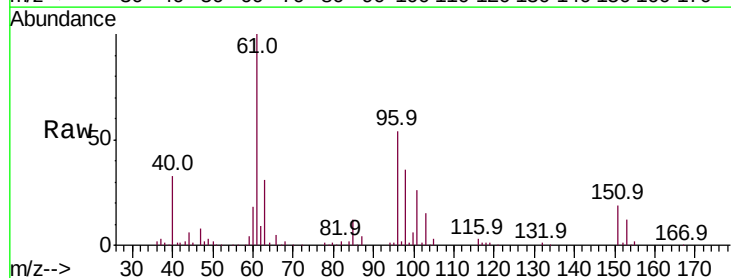
Tot Ion: 59 Resp: 43822
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

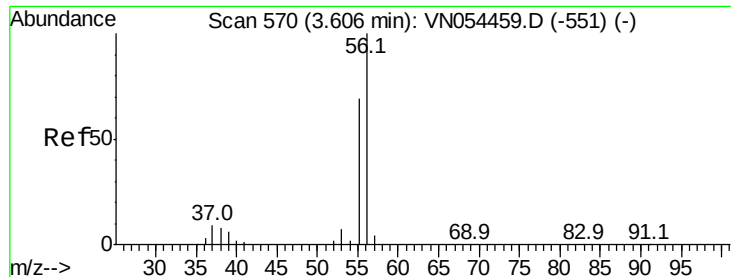


#12

1,1-Dichloroethene
 Concen: 18.804 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Tgt Ion: 96 Resp: 94650
 Ion Ratio Lower Upper
 96 100
 61 184.9 116.5 174.7#
 98 67.0 51.0 76.4





#13

Acrolein

Concen: 86.522 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

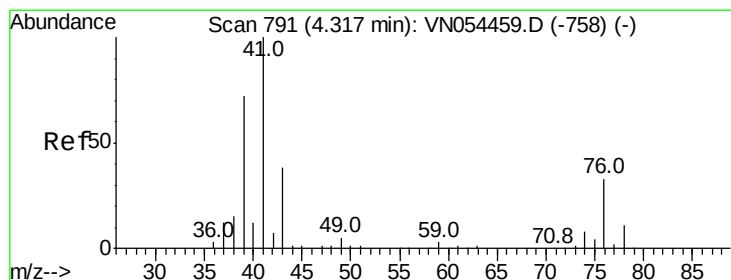
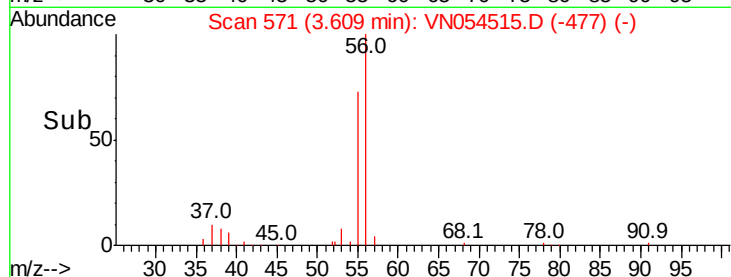
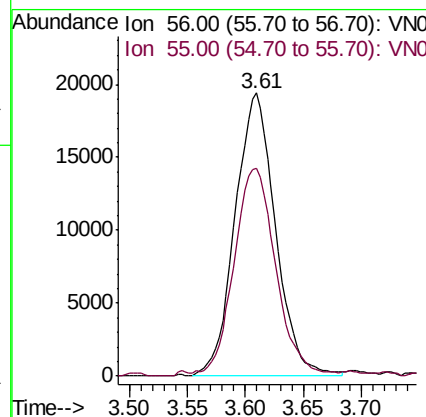
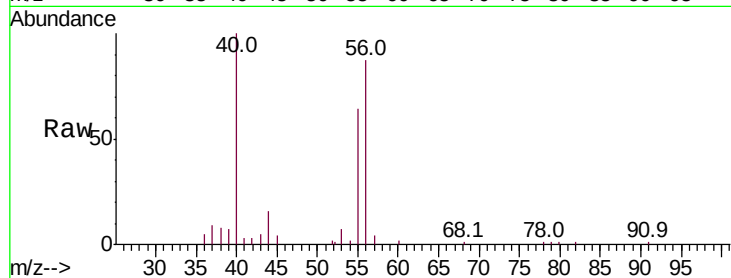
VN0321WBS01

Tot Ion: 56 Resp: 46922

Ion Ratio Lower Upper

56 100

55 73.2 56.7 85.1



#14

Allyl chloride

Concen: 20.377 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

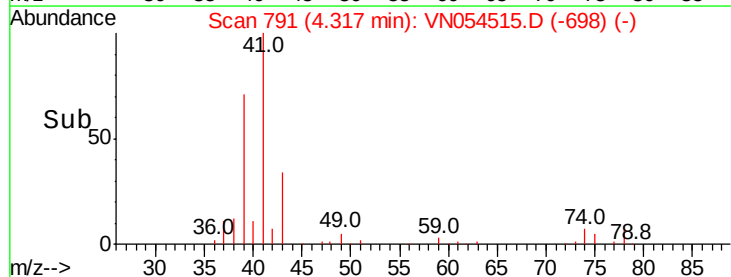
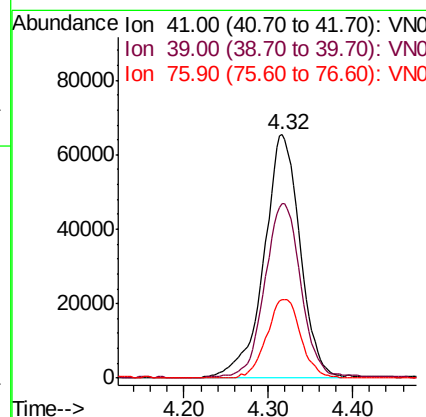
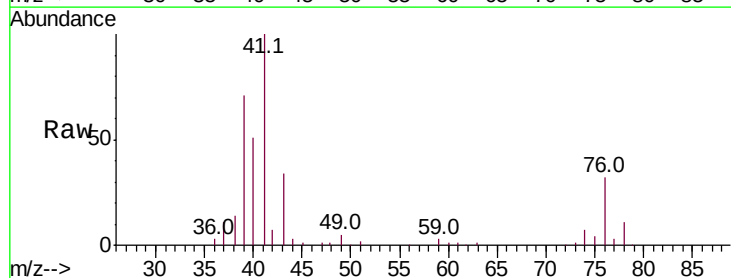
Tgt Ion: 41 Resp: 193141

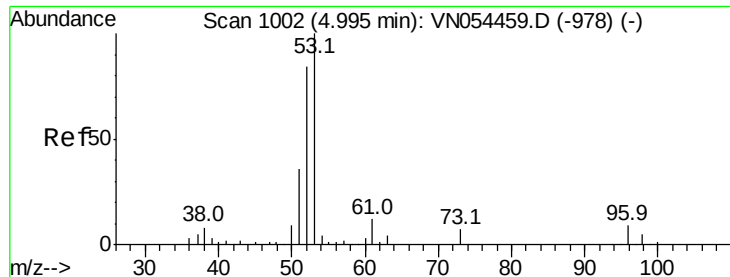
Ion Ratio Lower Upper

41 100

39 70.8 58.2 87.4

76 30.7 31.7 47.5#





#15

Acrylonitrile

Concen: 111.354 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

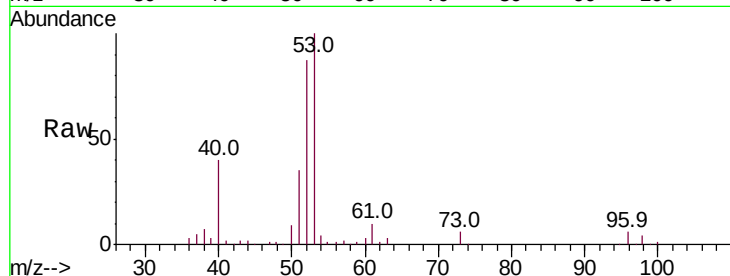
Tot Ion: 53 Resp: 217918

Ion Ratio Lower Upper

53 100

52 82.2 66.4 99.6

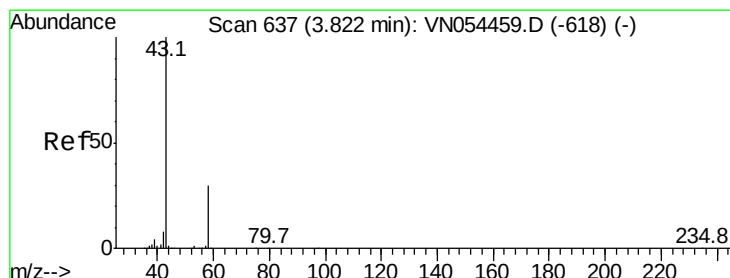
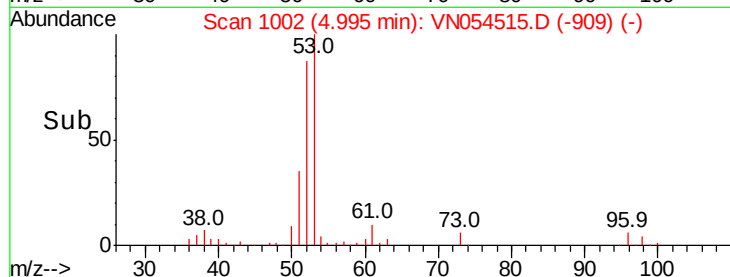
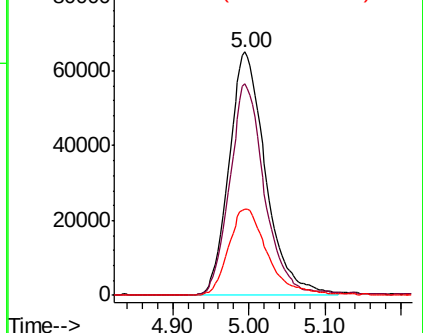
51 37.9 29.6 44.4



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: 82.271 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054515.D

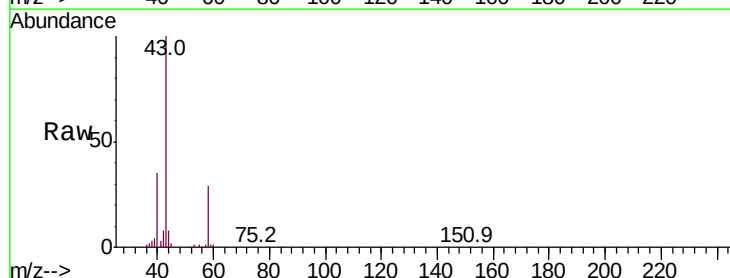
Acq: 21 Mar 2019 17:05

Tgt Ion: 43 Resp: 160552

Ion Ratio Lower Upper

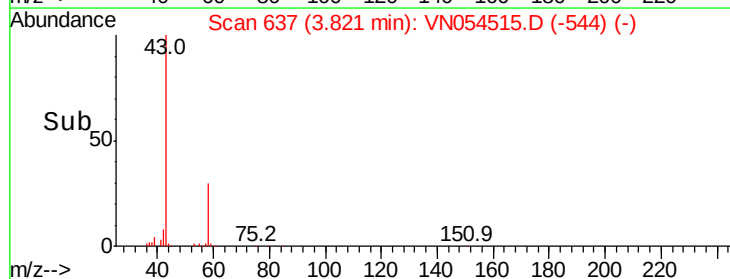
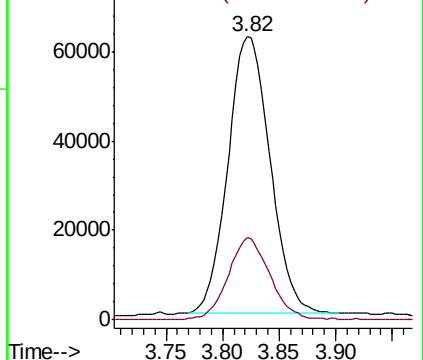
43 100

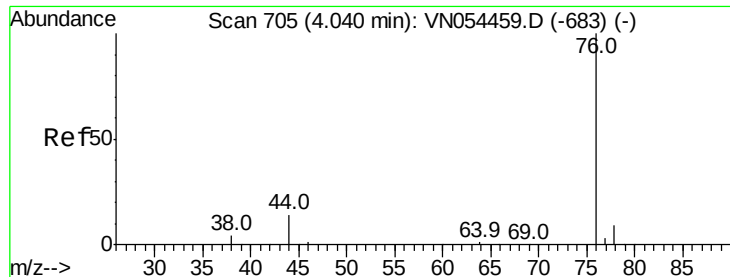
58 29.3 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

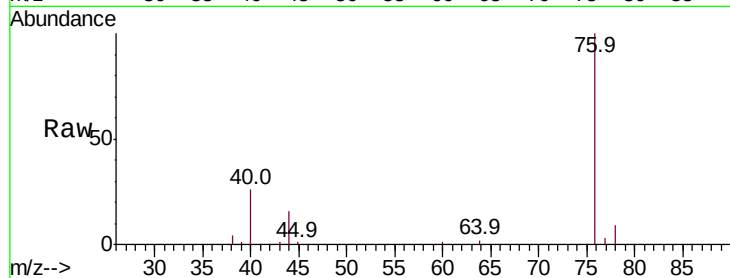




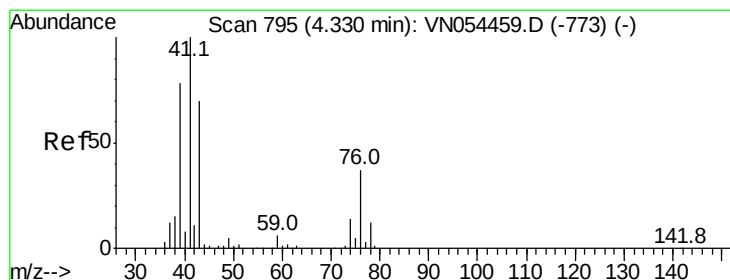
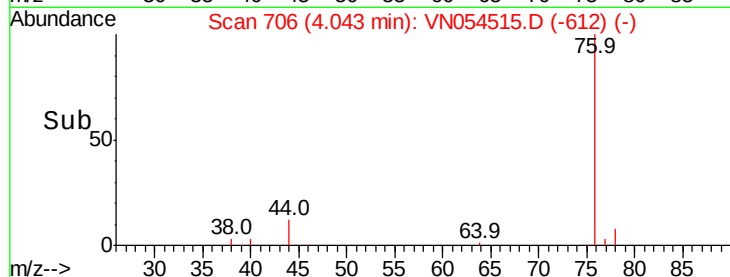
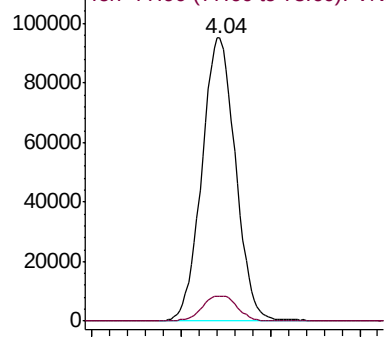
#17
Carbon Disulfide
Concen: 18.415 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Instrument :
MSVOA_N
ClientSampled :
VN0321WBS01

Tot Ion: 76 Resp: 248348
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

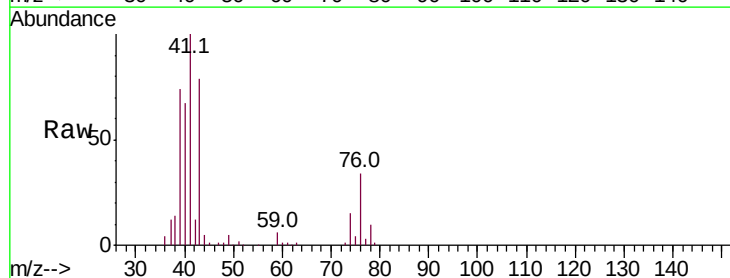


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

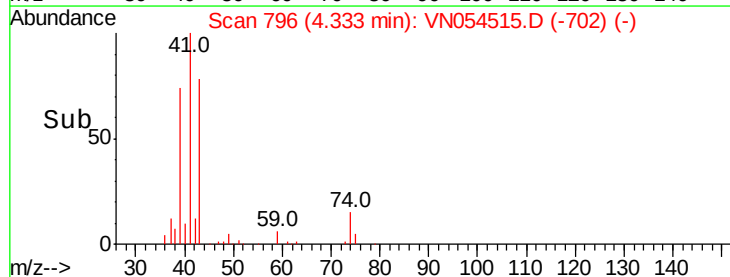
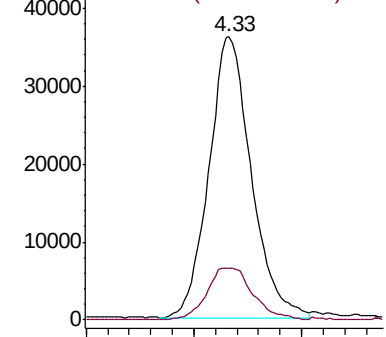


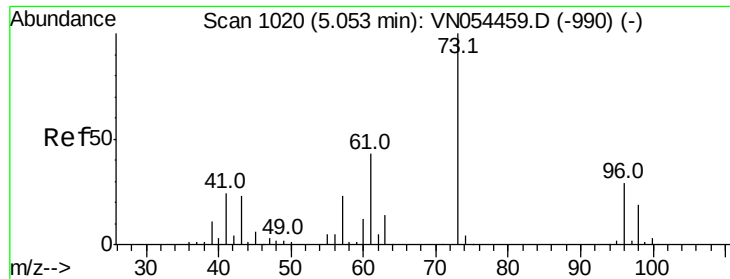
#18
Methyl Acetate
Concen: 22.641 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 43 Resp: 98483
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

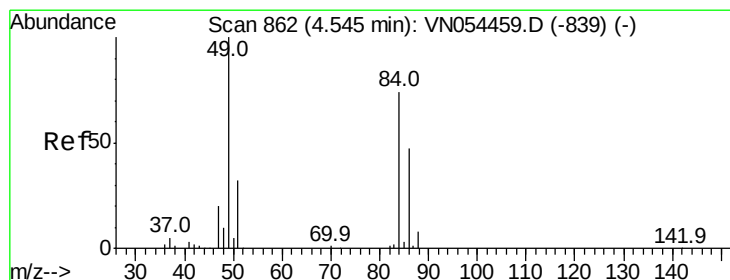
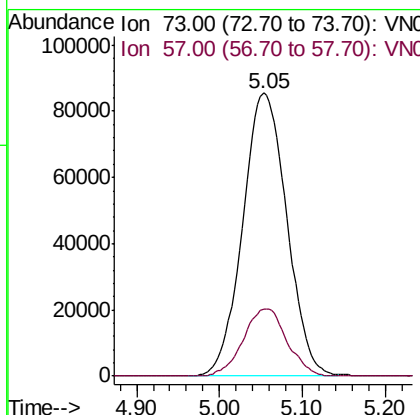
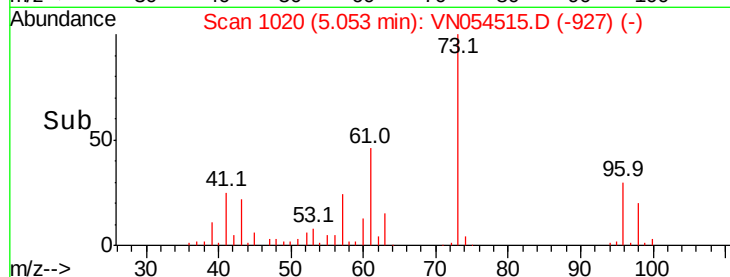
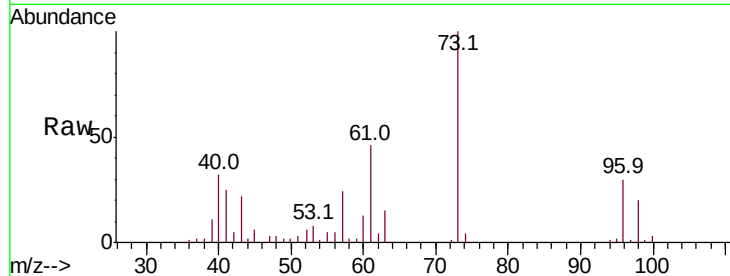




#19
Methvl tert-butvl Ether
Concen: 21.495 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

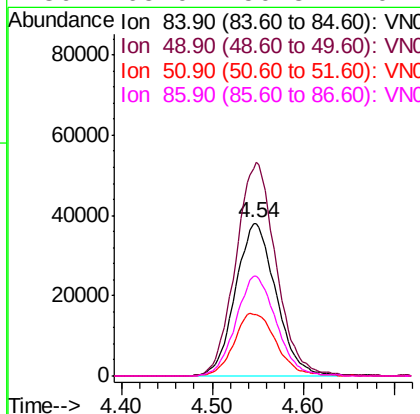
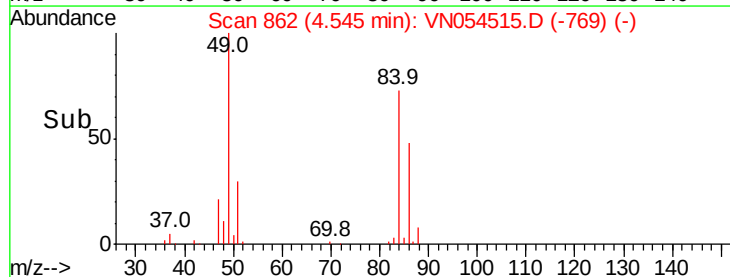
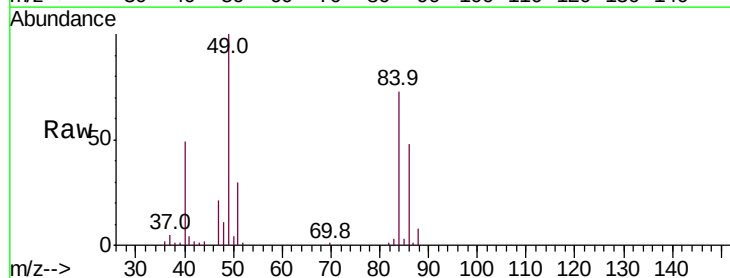
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

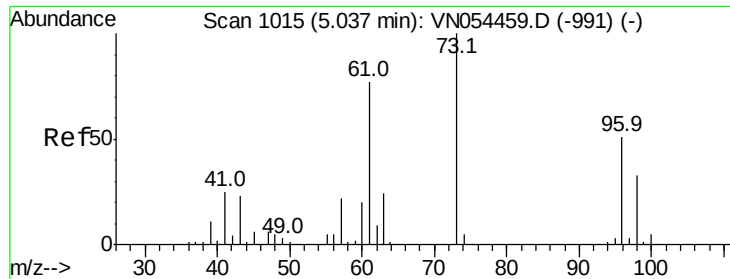
Tot Ion: 73 Resp: 315755
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2



#20
Methylene Chloride
Concen: 20.529 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 84 Resp: 118098
Ion Ratio Lower Upper
84 100
49 136.1 89.7 134.5#
51 40.3 28.2 42.4
86 65.0 50.8 76.2

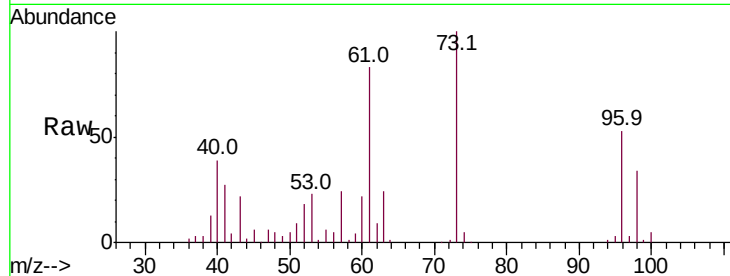




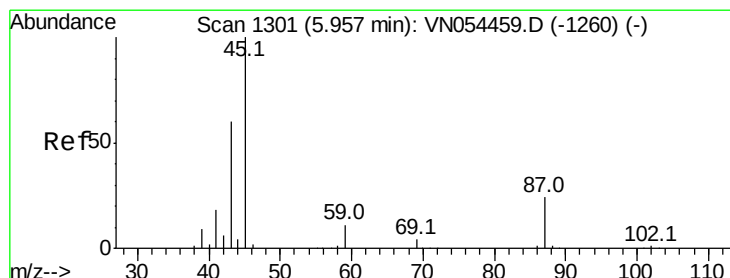
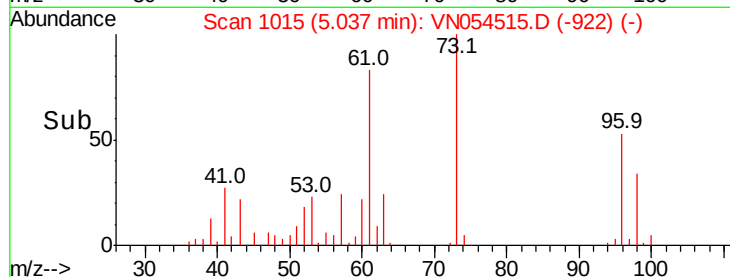
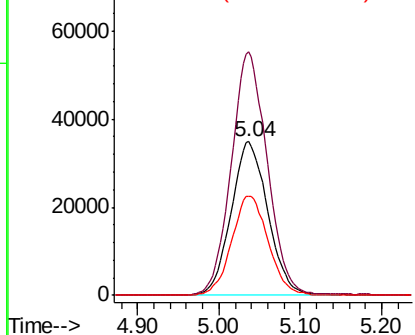
#21
trans-1,2-Dichloroethene
Concen: 21.284 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

Tot Ion: 96 Resp: 109395
Ion Ratio Lower Upper
96 100
61 158.5 102.8 154.2#
98 64.5 50.0 75.0

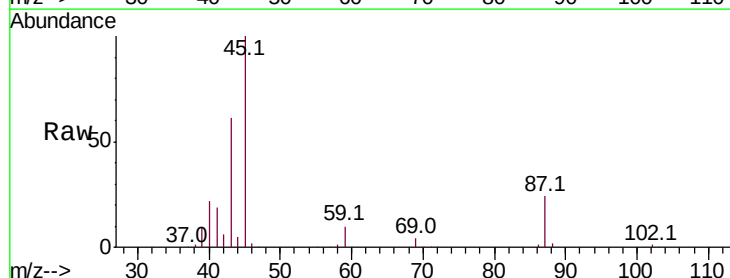


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

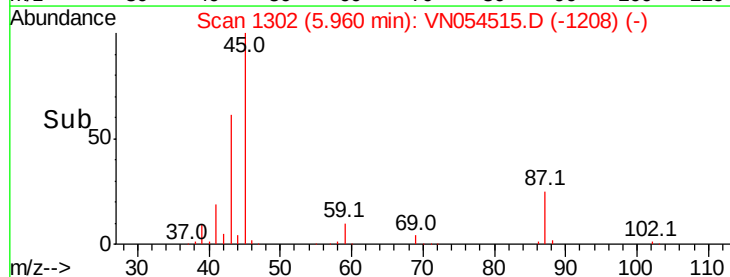
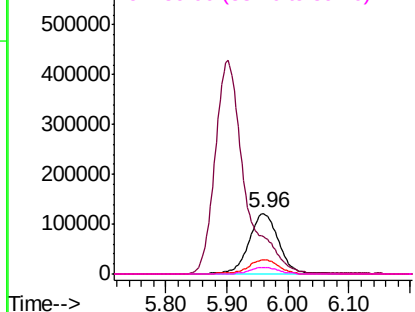


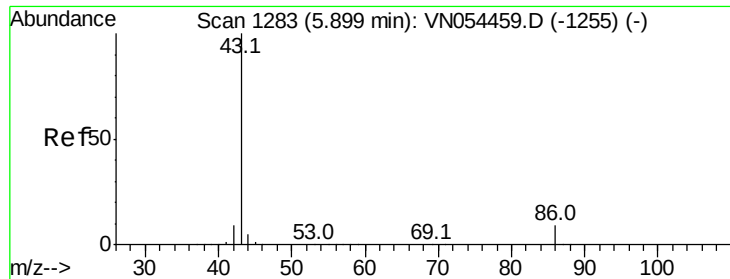
#22
Diisopropyl ether
Concen: 22.023 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 45 Resp: 411731
Ion Ratio Lower Upper
45 100
43 60.4 48.2 72.2
87 24.3 24.9 37.3#
59 10.1 9.5 14.3



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

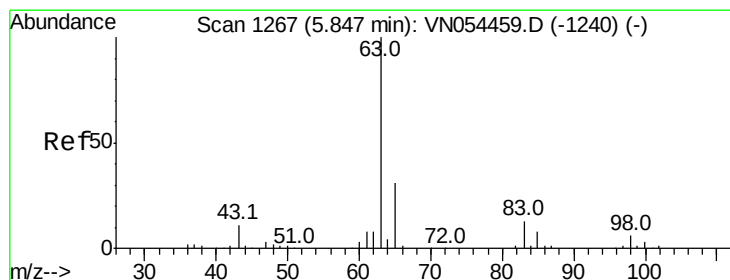
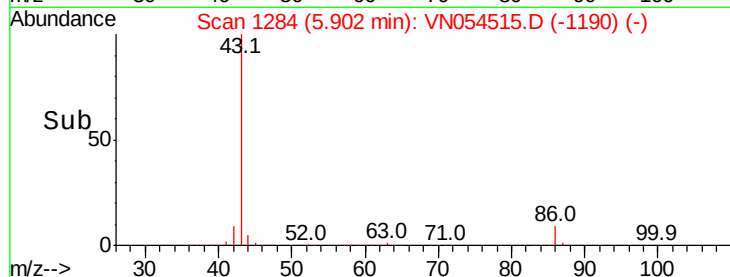
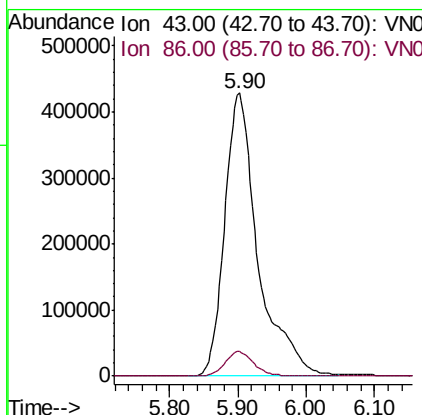
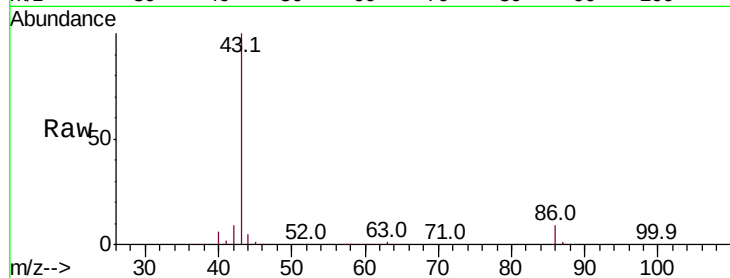




#23
 Vinyl Acetate
 Concen: 109.910 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

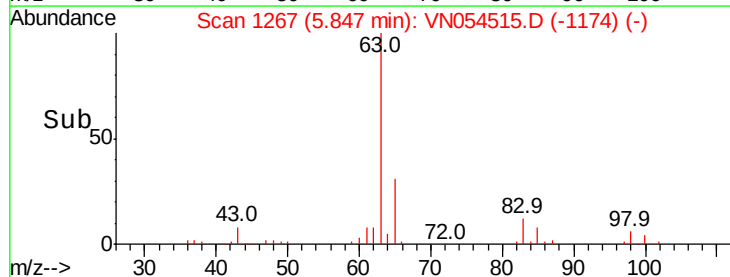
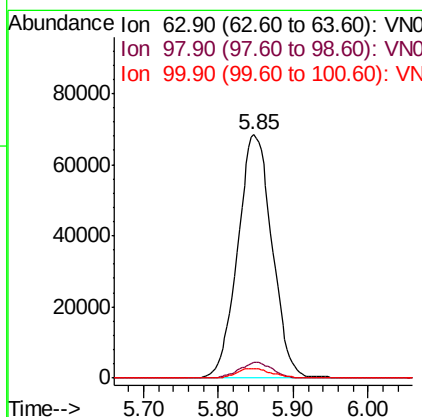
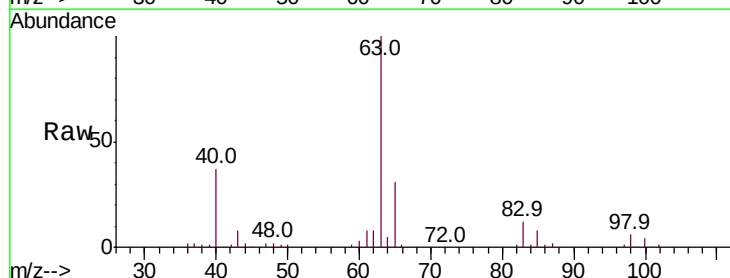
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

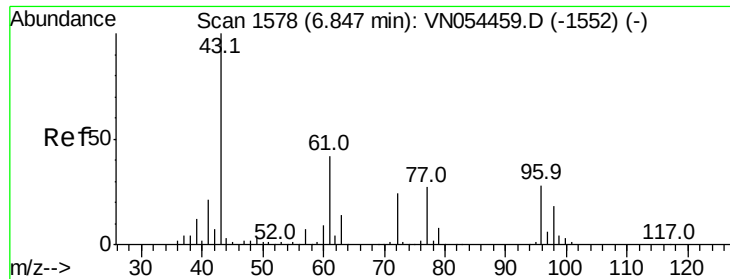
Tot Ion: 43 Resp: 1451261
 Ion Ratio Lower Upper
 43 100
 86 8.8 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 21.704 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Tgt Ion: 63 Resp: 218475
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 105.514 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

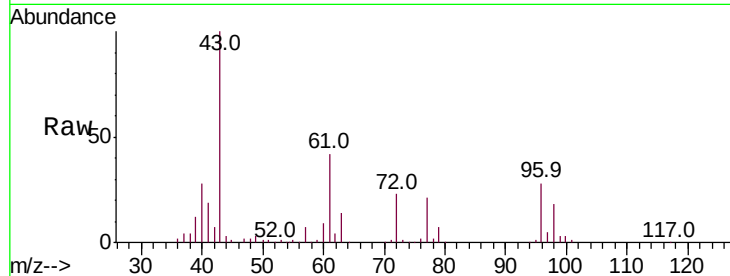
Instrument :
MSVOA_N
ClientSampled :
VN0321WBS01

Tot Ion: 43 Resp: 263771

Ion Ratio Lower Upper

43 100

72 23.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

100000

80000

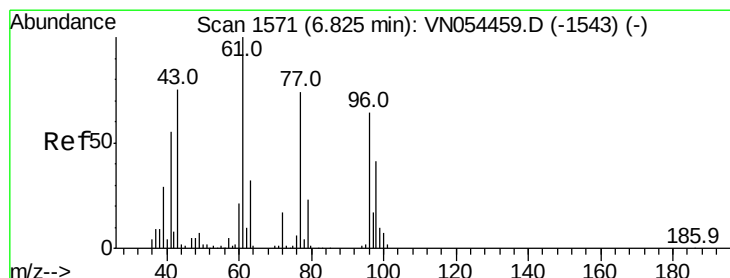
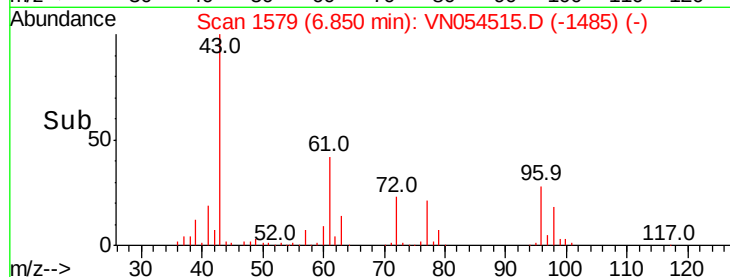
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 19.143 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054515.D

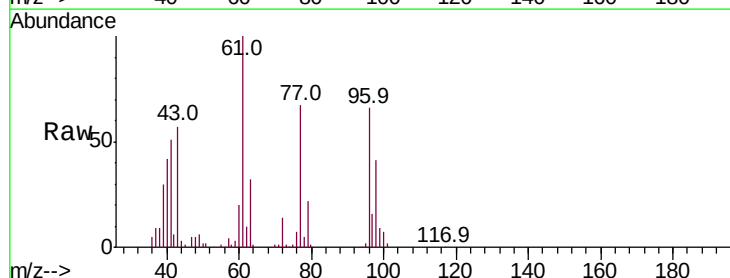
Acq: 21 Mar 2019 17:05

Tgt Ion: 77 Resp: 137364

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

50000

40000

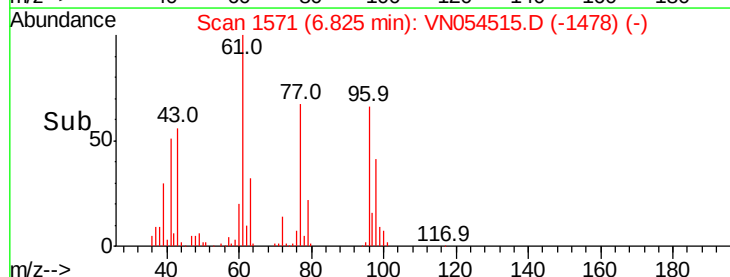
30000

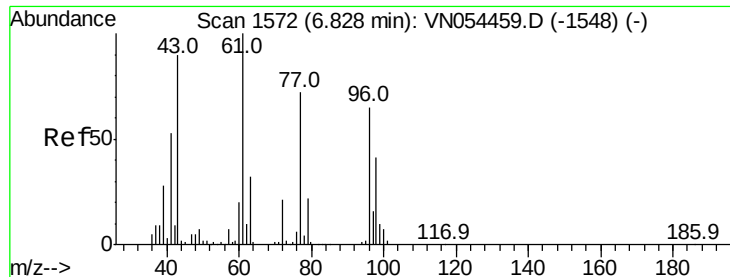
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 21.060 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

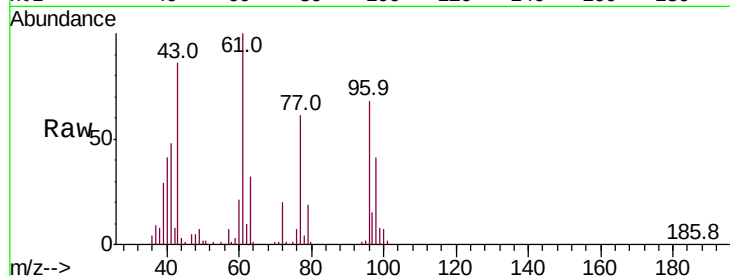
Tot Ion: 96 Resp: 129107

Ion Ratio Lower Upper

96 100

61 153.9 0.0 273.0

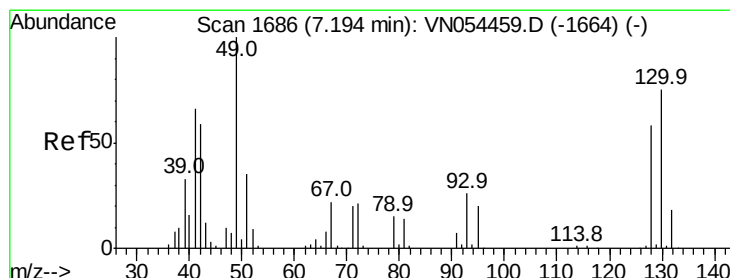
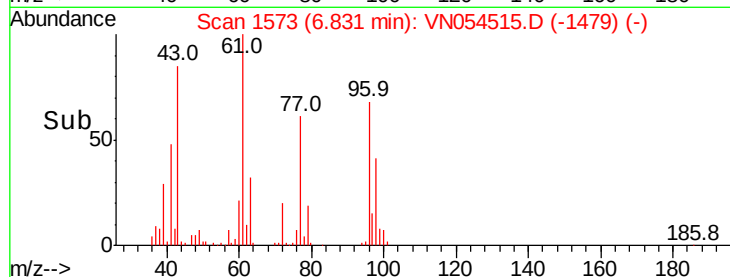
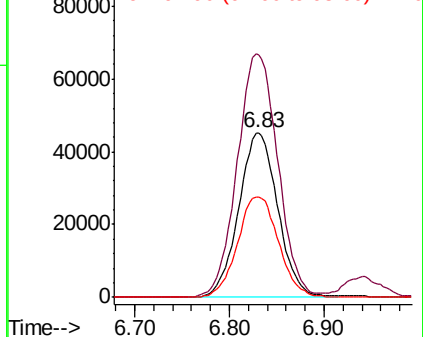
98 64.3 0.0 130.6



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: 21.752 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

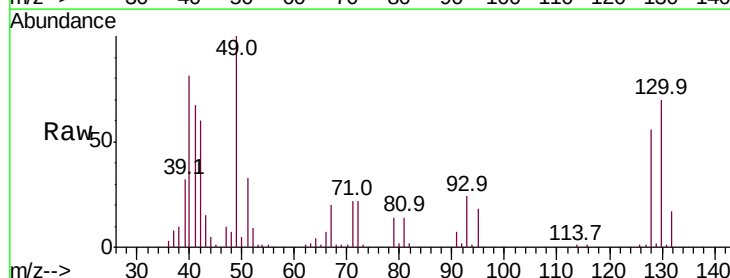
Tgt Ion: 49 Resp: 107779

Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.6

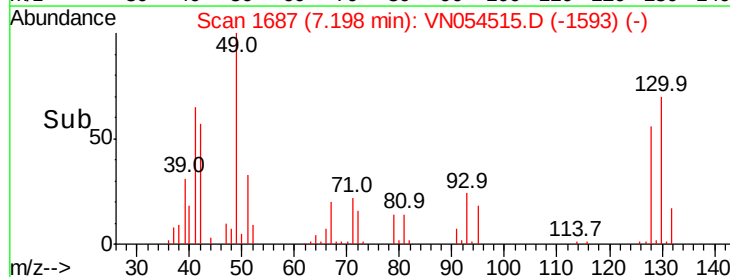
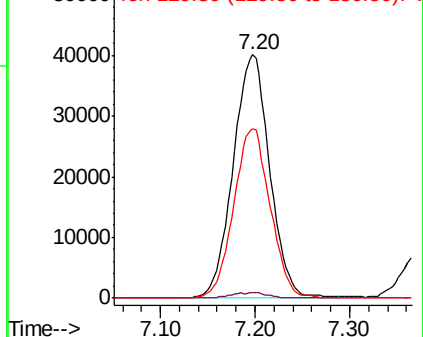
130 69.4 76.7 115.1#

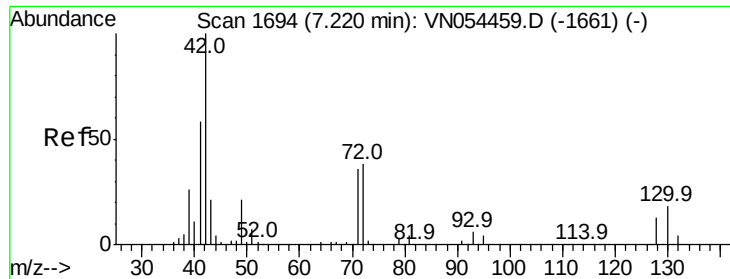


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 115.937 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

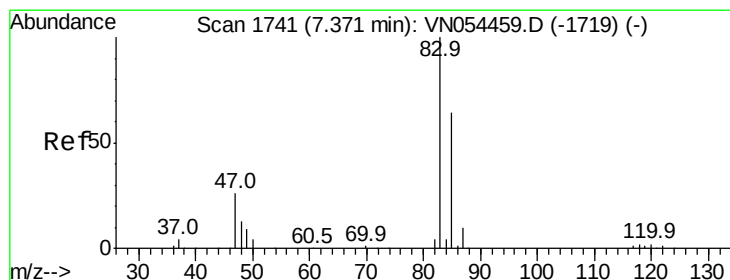
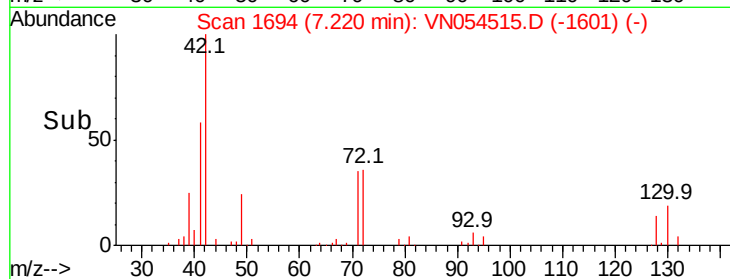
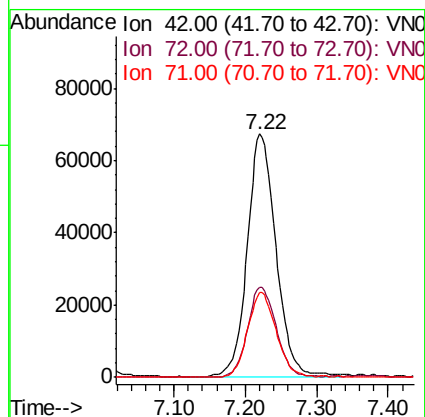
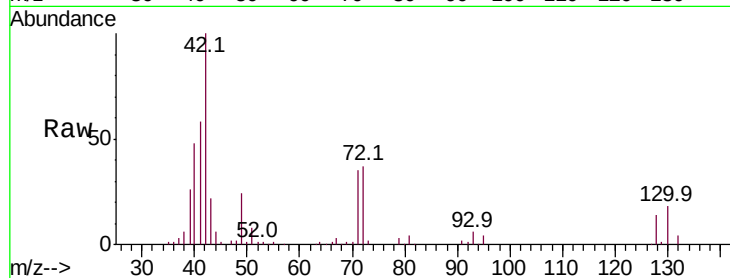
Tot Ion: 42 Resp: 188079

Ion Ratio Lower Upper

42 100

72 37.3 37.8 56.6#

71 34.9 36.2 54.2#



#30

Chloroform

Concen: 21.714 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054515.D

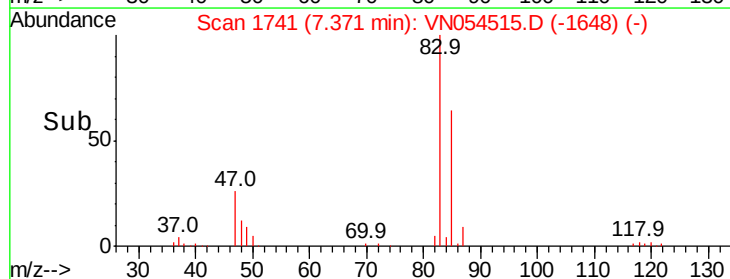
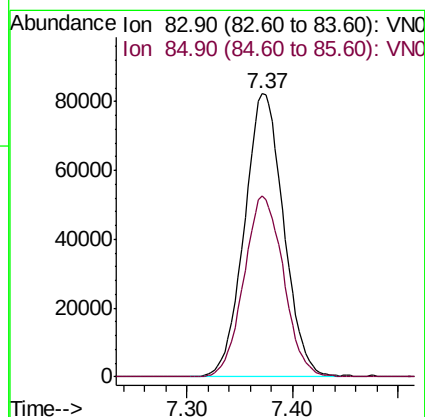
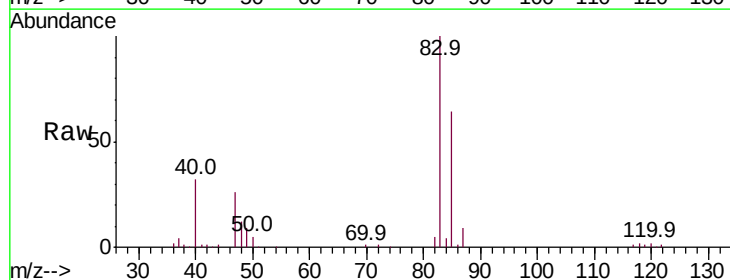
Acq: 21 Mar 2019 17:05

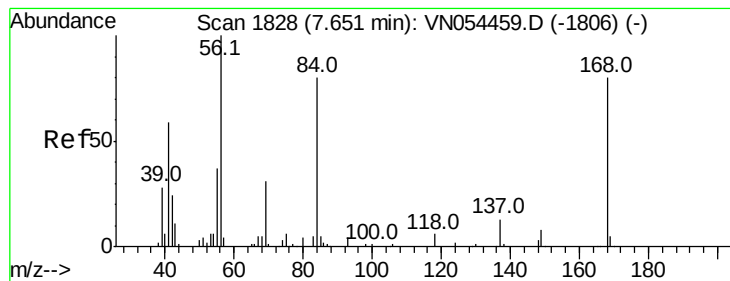
Tgt Ion: 83 Resp: 213315

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.4





#31

Cyclohexane

Concen: 20.728 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

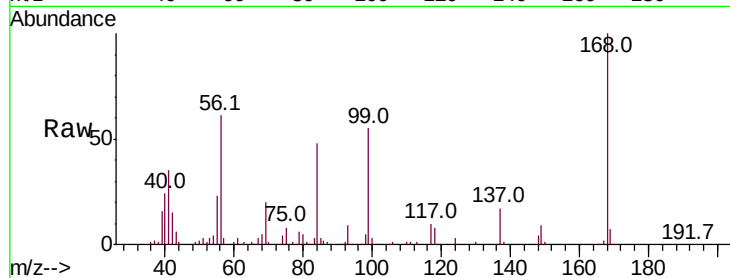
Tot Ion: 56 Resp: 210423

Ion Ratio Lower Upper

56 100

69 32.4 27.8 41.6

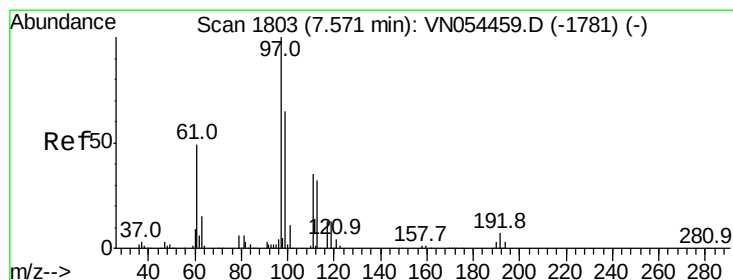
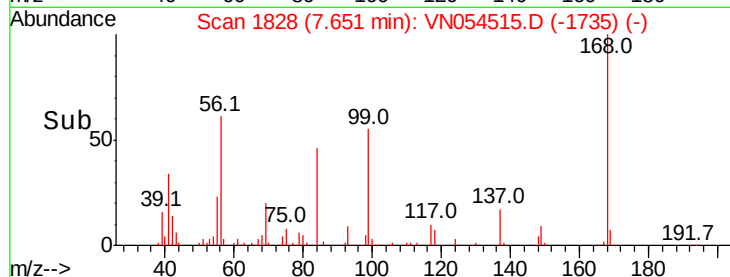
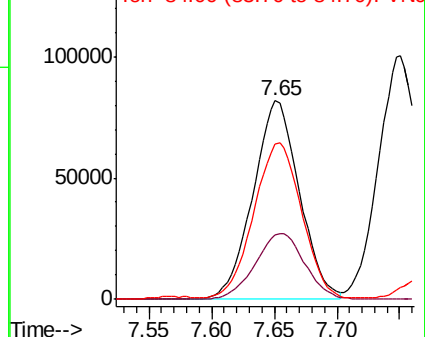
84 76.9 74.6 111.8



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: 21.571 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

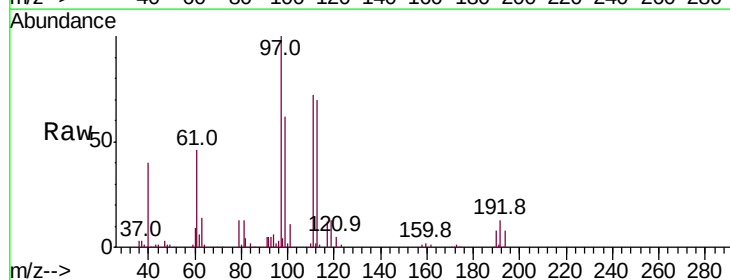
Tgt Ion: 97 Resp: 174828

Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

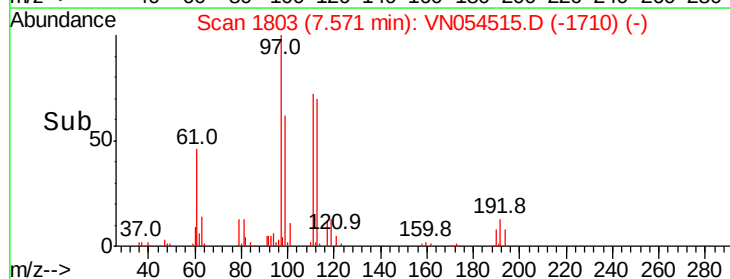
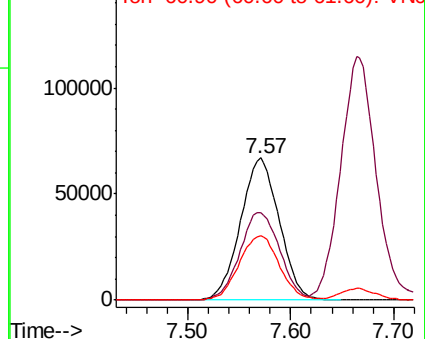
61 47.1 33.6 50.4

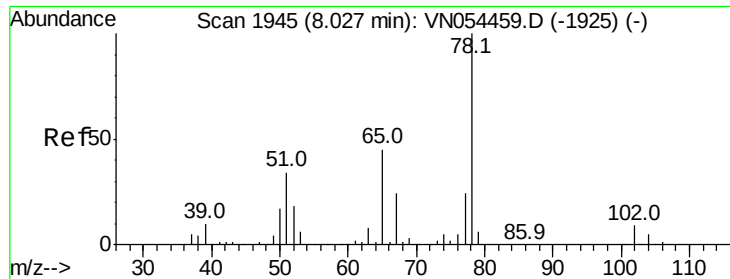


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

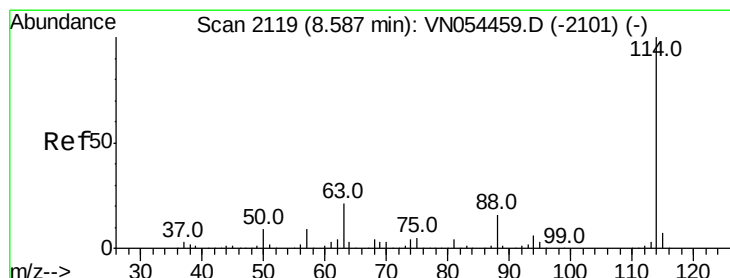
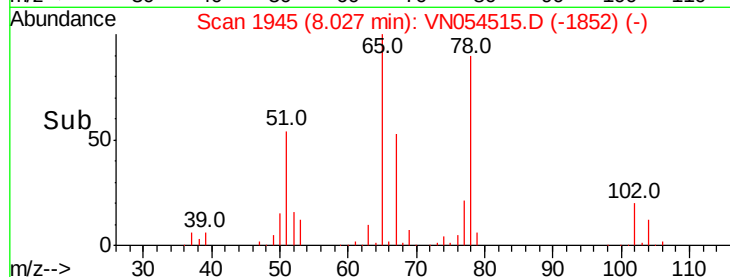
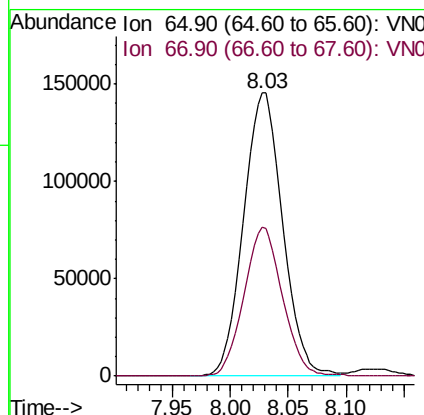
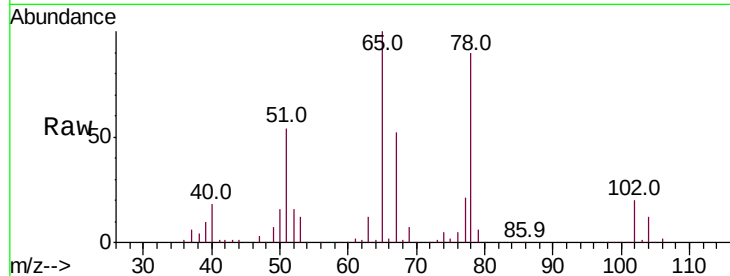




#33
 1,2-Dichloroethane-d4
 Concen: 52.742 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

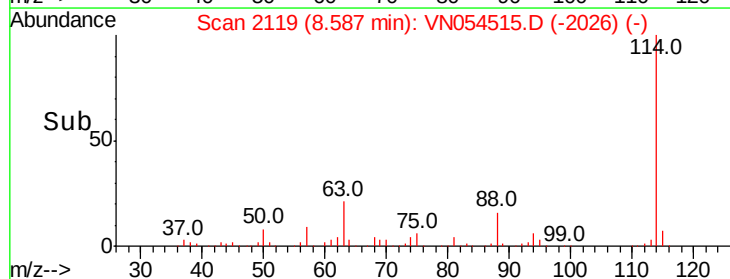
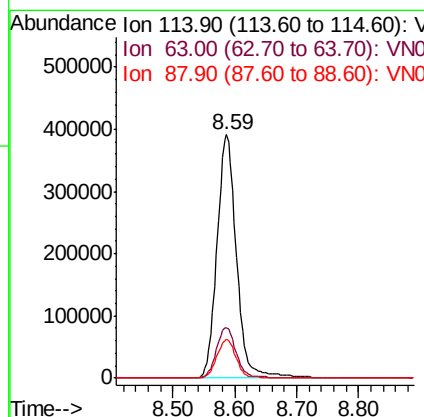
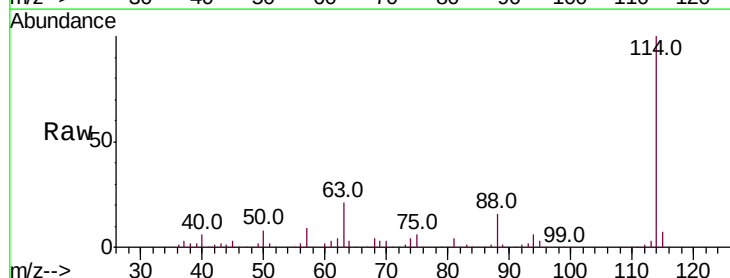
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

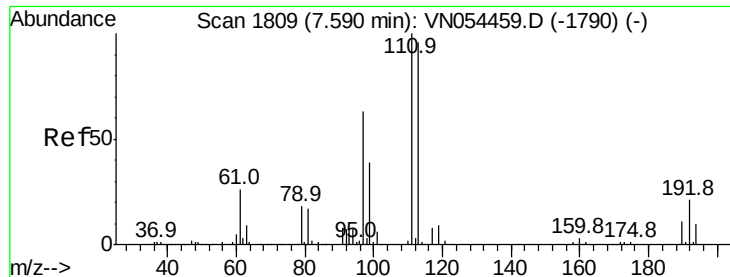
Tot Ion: 65 Resp: 342346
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Tgt Ion: 114 Resp: 857349
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 35.2
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.399 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

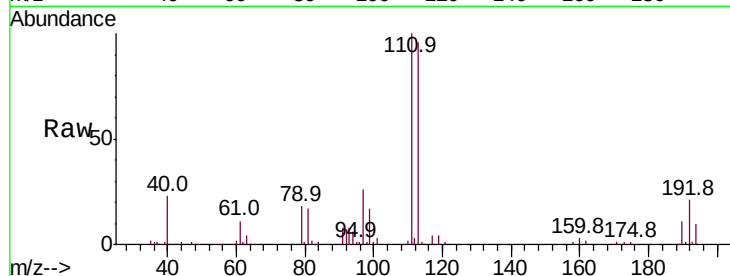
Tot Ion:113 Resp: 267332

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

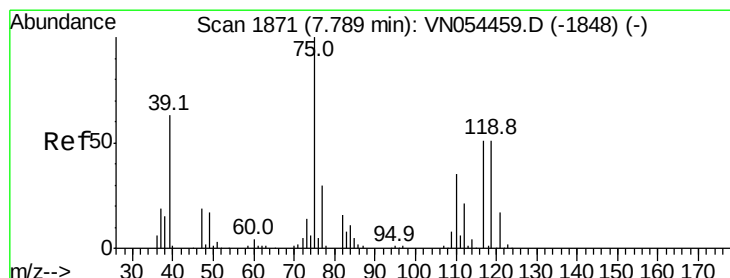
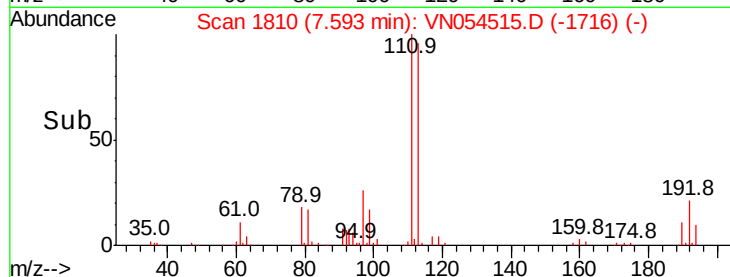
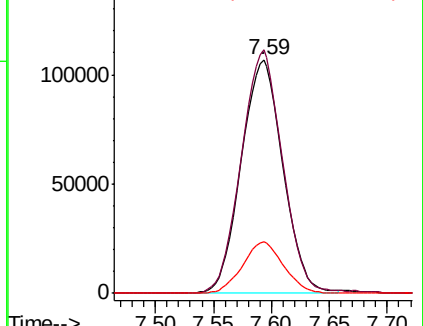
192 21.9 19.2 28.8



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: 19.558 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

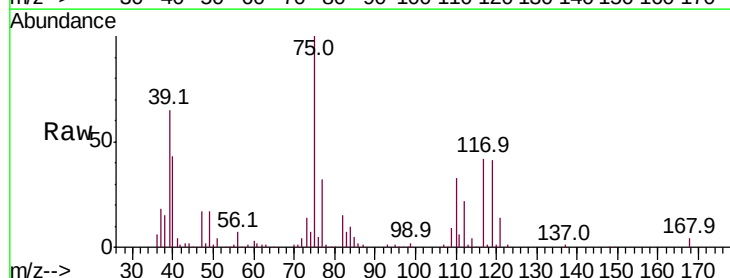
Tgt Ion: 75 Resp: 156781

Ion Ratio Lower Upper

75 100

110 34.9 19.1 57.5

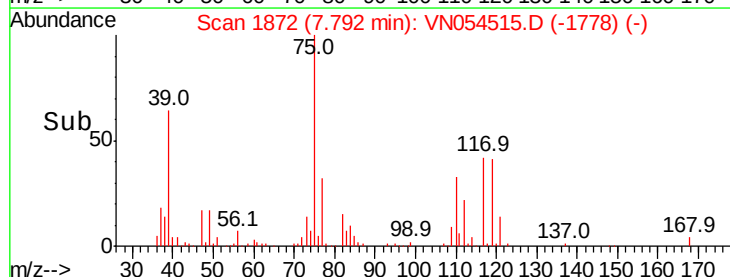
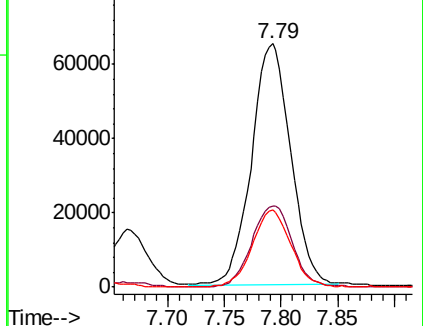
77 31.8 25.0 37.4

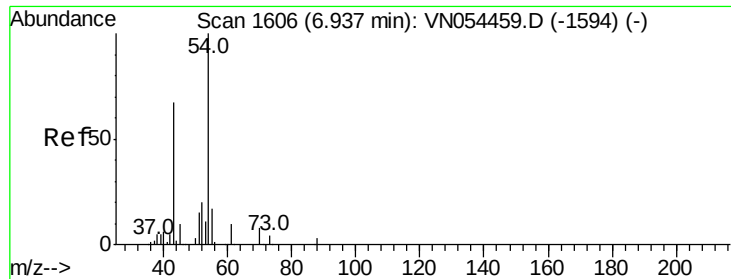


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

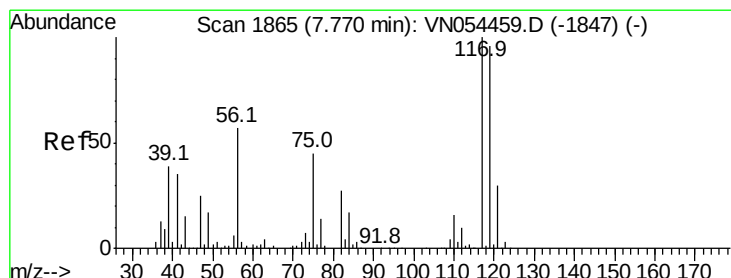
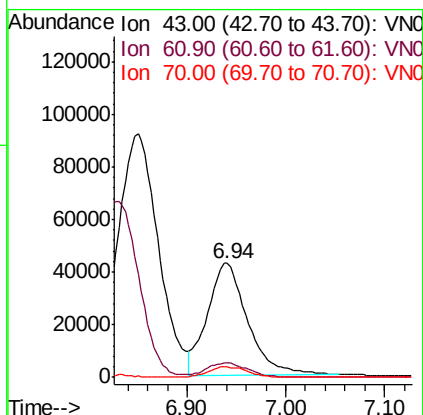
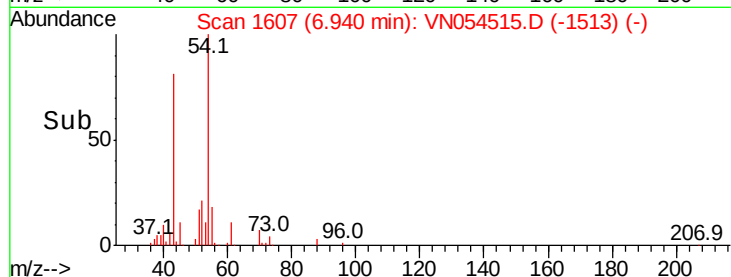
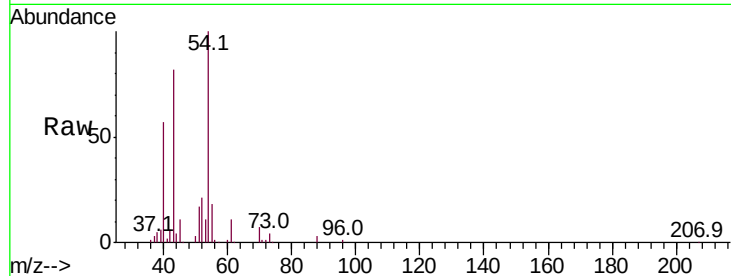




#37
Ethyl Acetate
Concen: 21.258 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

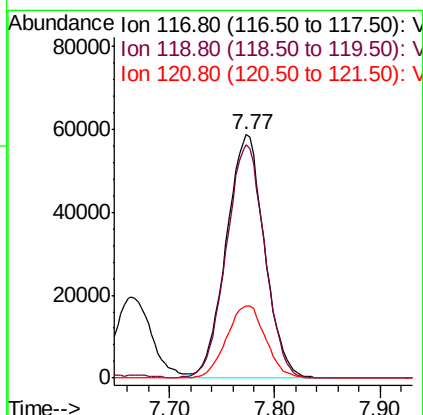
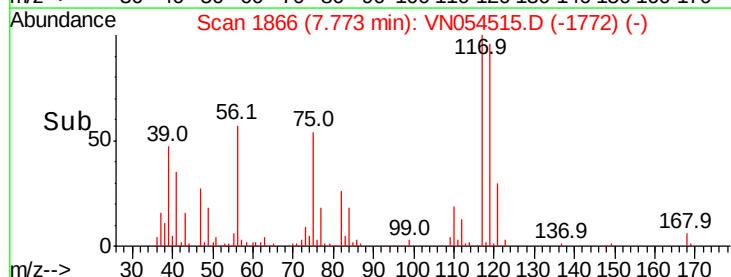
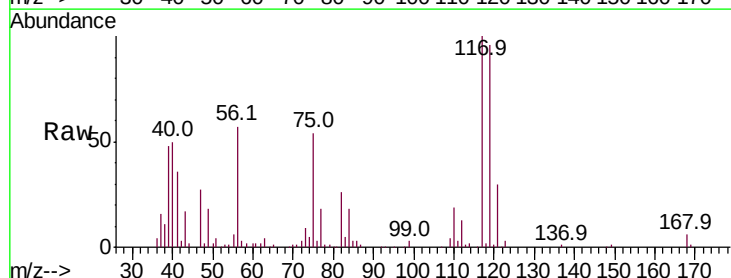
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

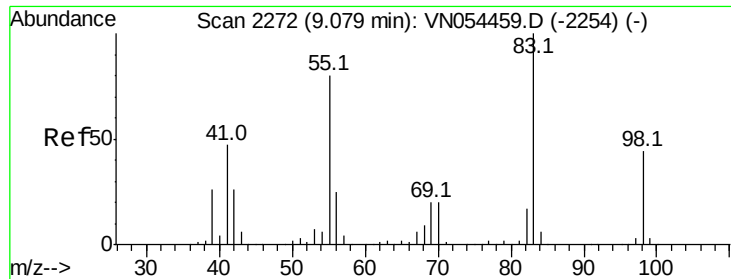
Tot Ion: 43 Resp: 121199
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.6
70 9.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.004 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 117 Resp: 148040
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5
121 29.7 24.6 36.8

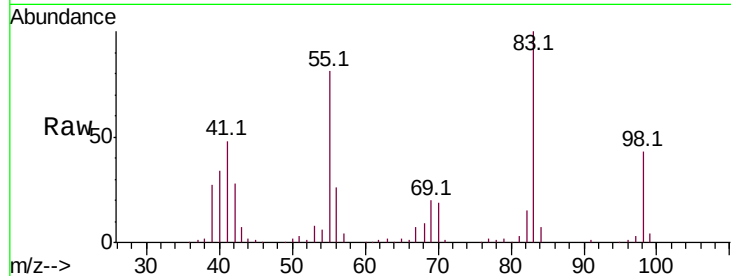




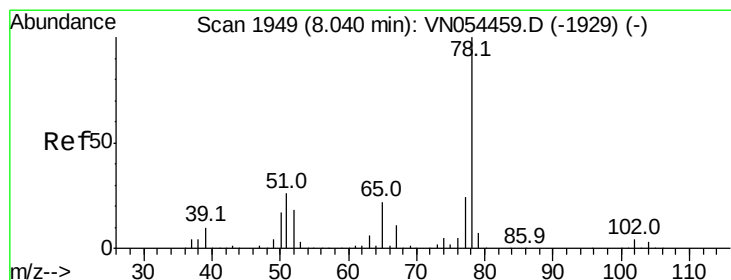
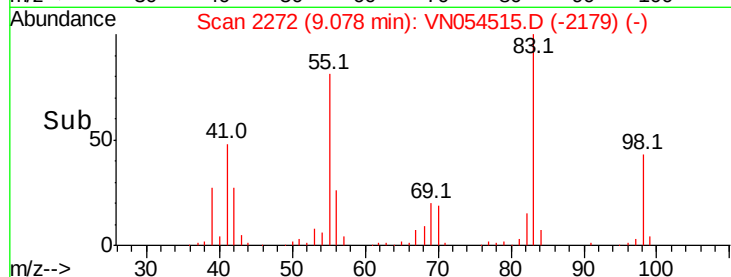
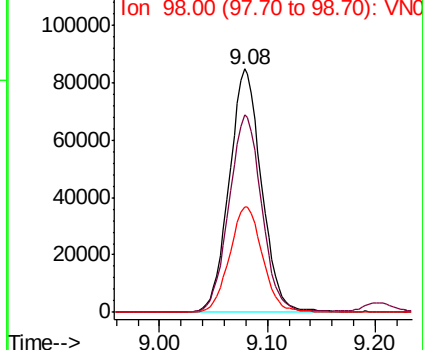
#39
Methylvlcyclohexane
Concen: 19.333 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Instrument :
MSVOA_N
ClientSampled :
VN0321WBS01

Tot Ion: 83 Resp: 177280
Ion Ratio Lower Upper
83 100
55 81.1 56.6 84.8
98 43.2 38.4 57.6

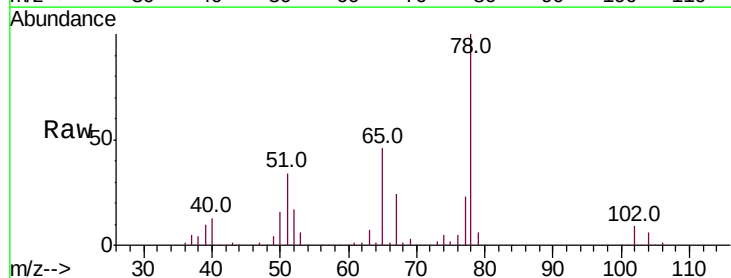


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

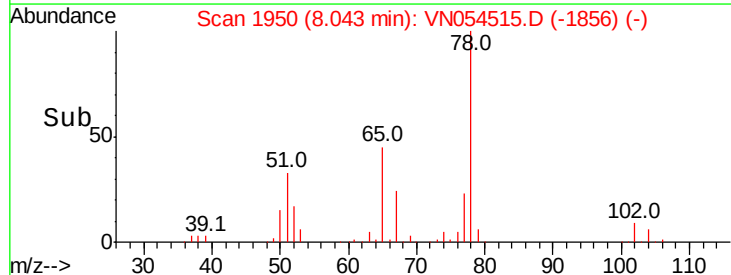
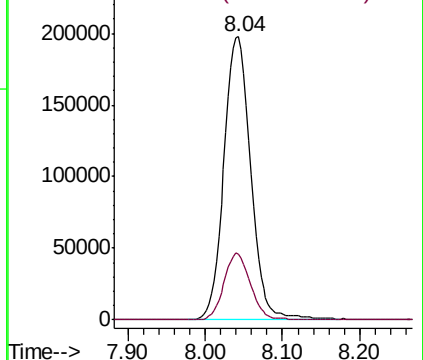


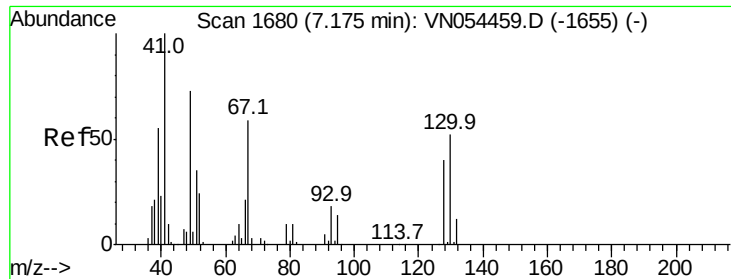
#40
Benzene
Concen: 20.779 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 78 Resp: 476326
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

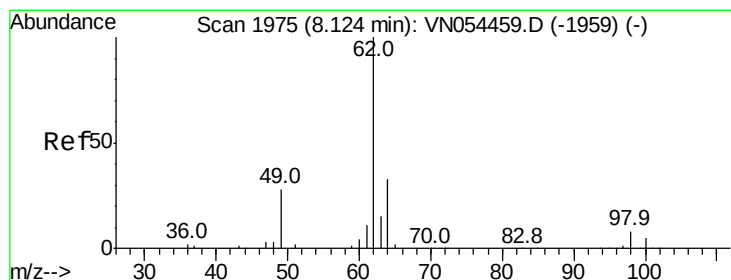
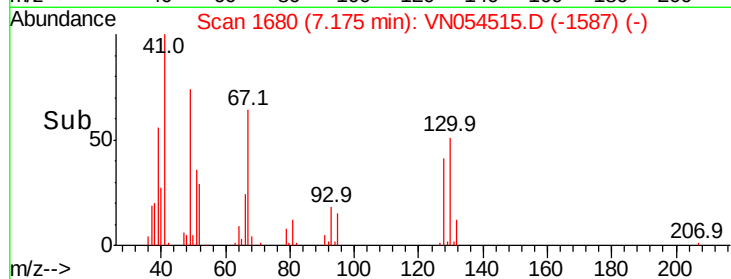
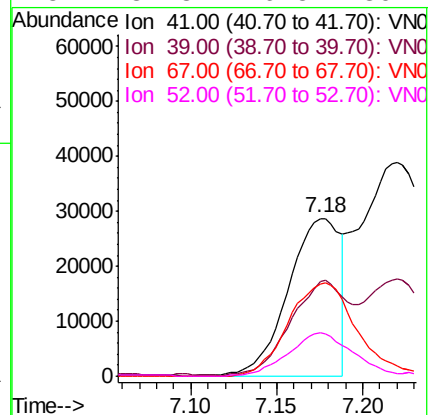
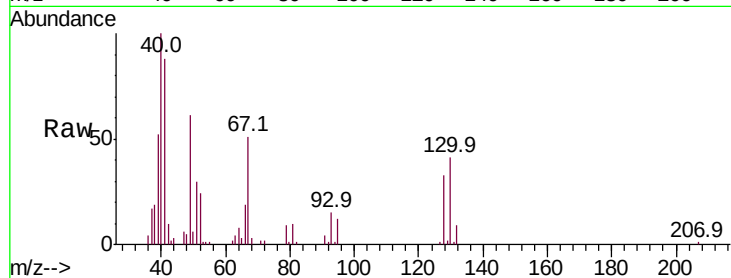




#41
Methacrylonitrile
Concen: 17.442 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

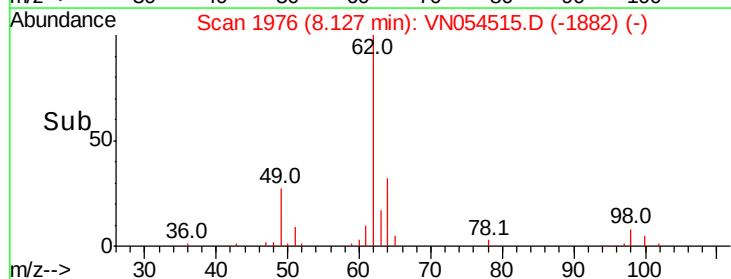
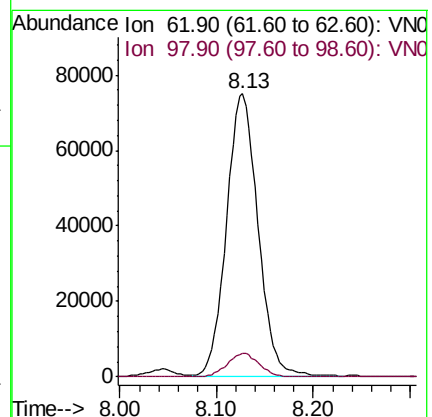
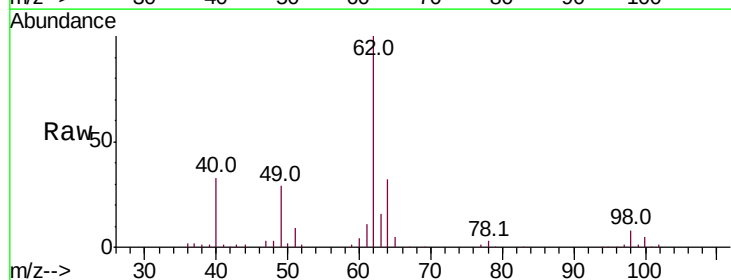
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

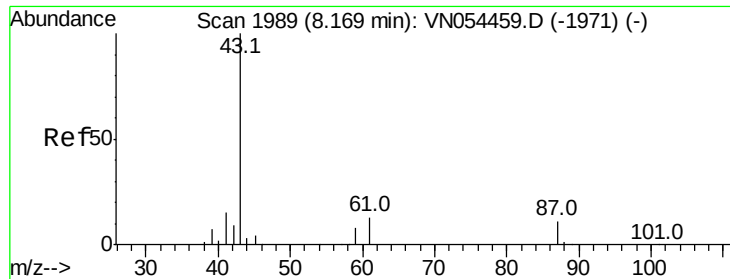
Tot Ion: 41 Resp: 60646
Ion Ratio Lower Upper
41 100
39 70.5 46.8 70.2#
67 78.7 67.0 100.4
52 34.8 26.5 39.7



#42
1,2-Dichloroethane
Concen: 20.254 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 62 Resp: 169083
Ion Ratio Lower Upper
62 100
98 8.4 0.0 18.4





#43

Isopropyl Acetate

Concen: 20.843 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

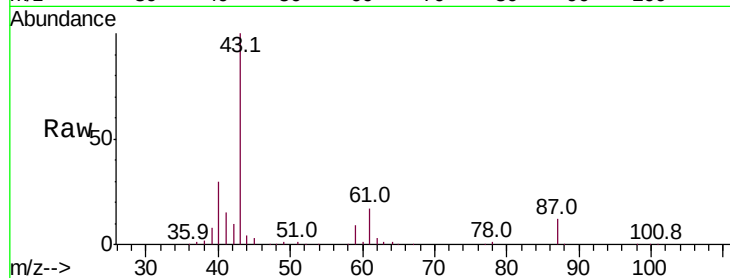
MSVOA_N

ClientSampleId :

VN0321WBS01

Tot Ion: 43 Resp: 200692

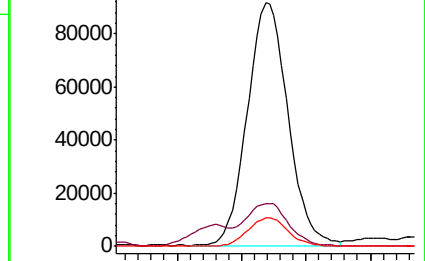
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.8	23.8
87	11.9	12.0	18.0#



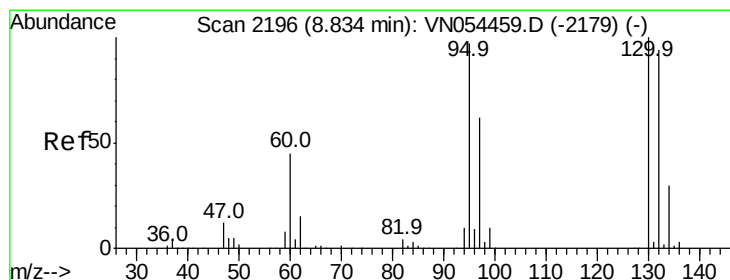
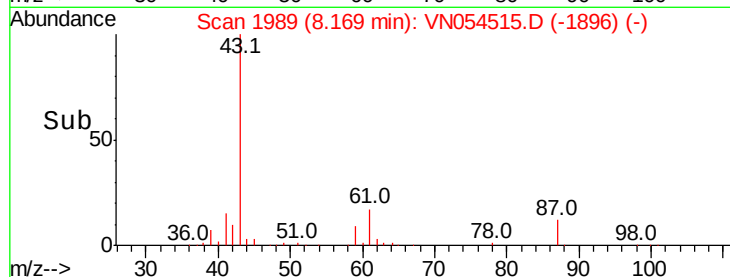
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->



#44

Trichloroethene

Concen: 20.130 ug/l

RT: 8.84 min Scan# 2197

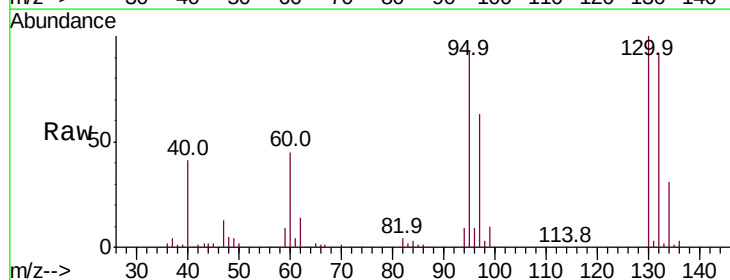
Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

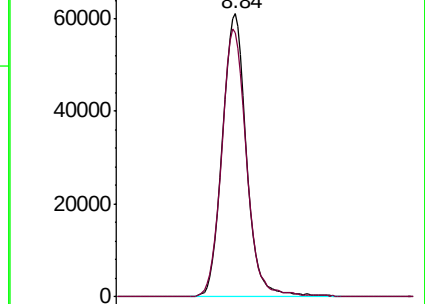
Tgt Ion:130 Resp: 128291

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	185.2

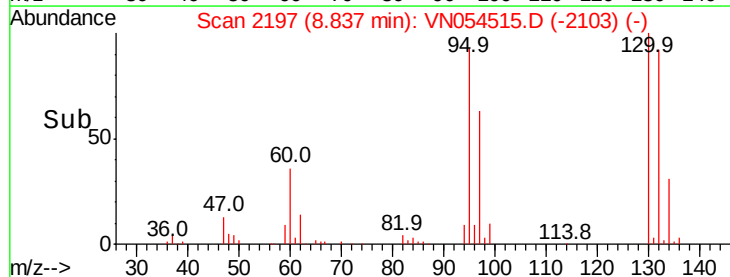


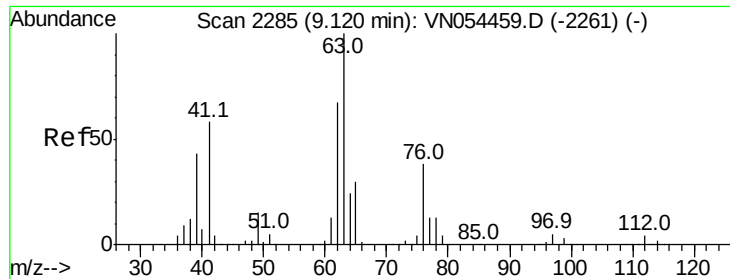
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



Time-->





#45

1,2-Dichloropropane

Concen: 21.408 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

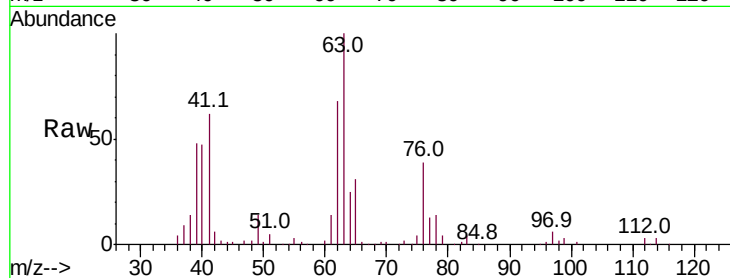
VN0321WBS01

Tot Ion: 63 Resp: 131771

Ion Ratio Lower Upper

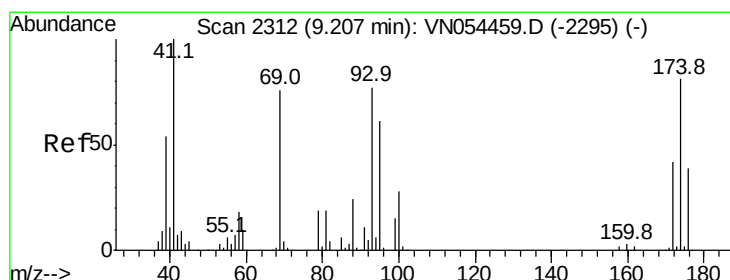
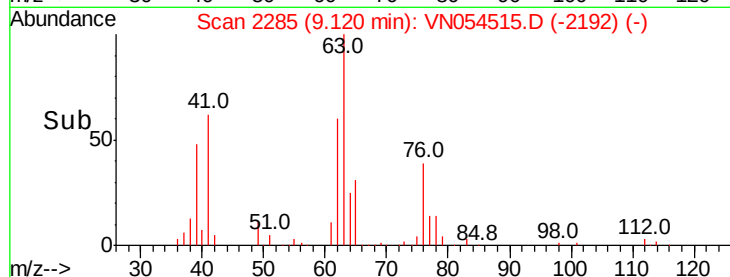
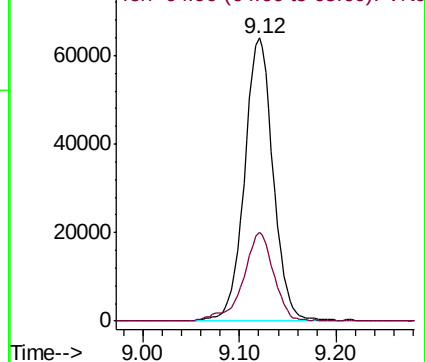
63 100

65 31.2 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.834 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

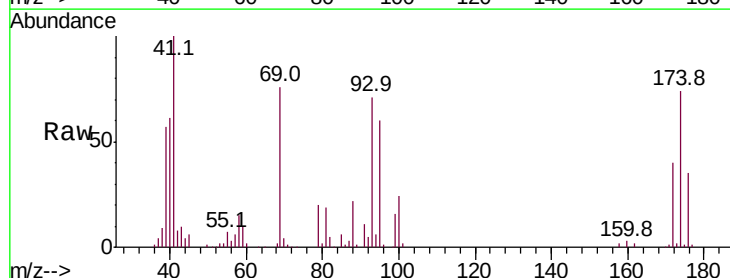
Tgt Ion: 93 Resp: 76503

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

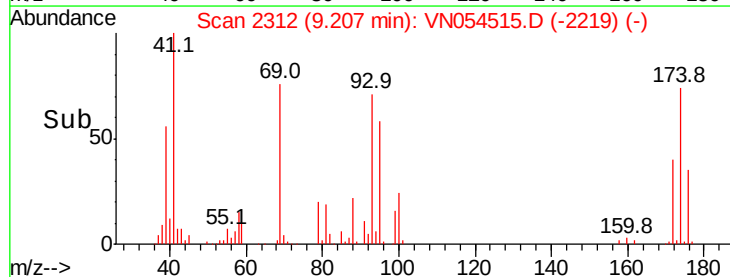
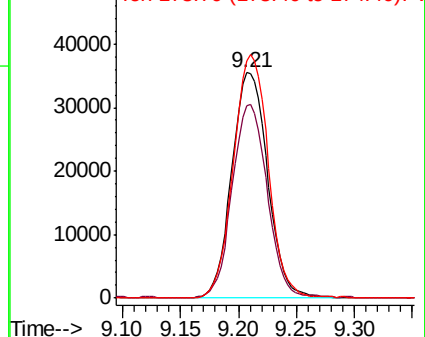
174 105.0 98.5 147.7

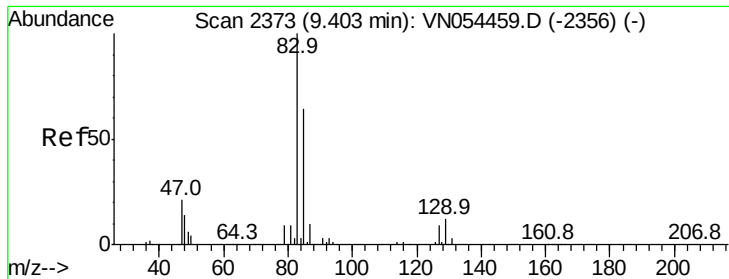


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 20.202 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

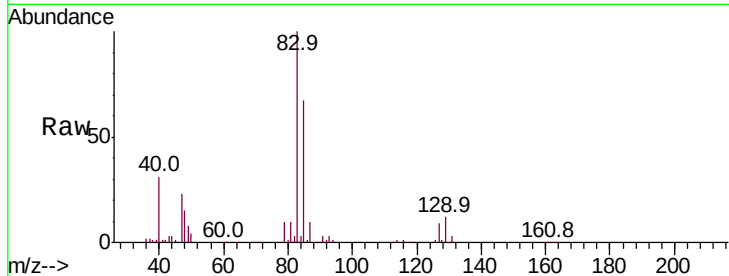
Tot Ion: 83 Resp: 153961

Ion Ratio Lower Upper

83 100

85 66.7 52.8 79.2

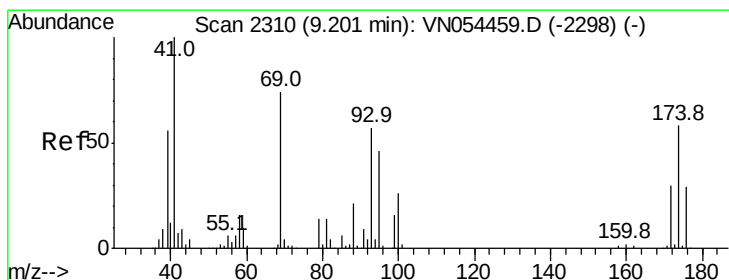
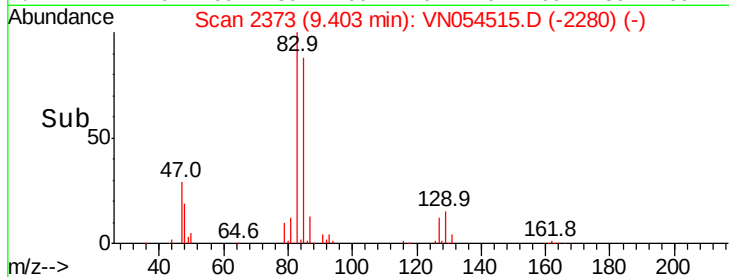
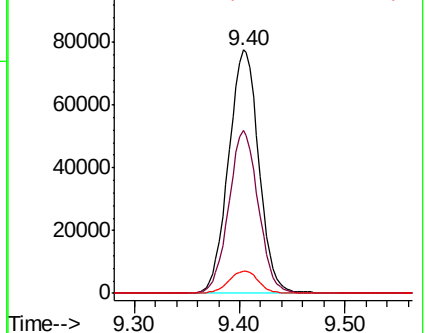
127 9.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.965 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

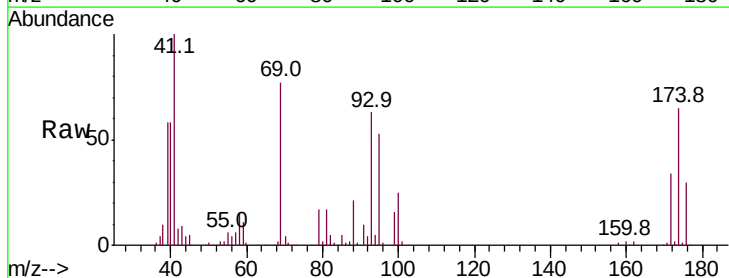
Tgt Ion: 41 Resp: 104341

Ion Ratio Lower Upper

41 100

69 76.3 72.6 108.8

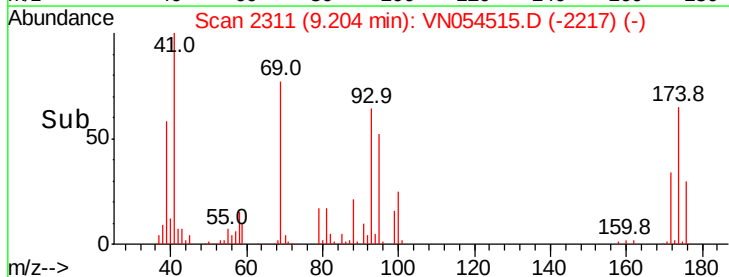
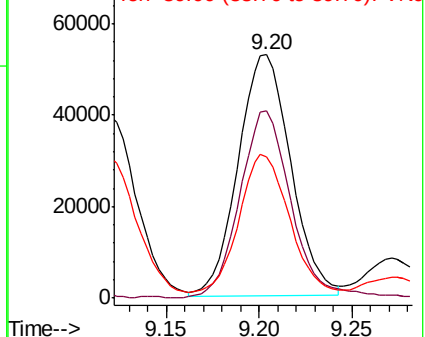
39 58.0 47.5 71.3

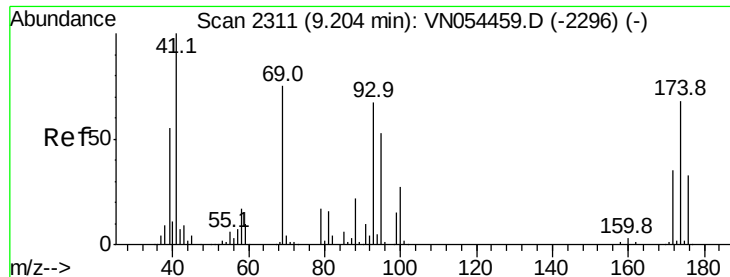


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 409.319 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

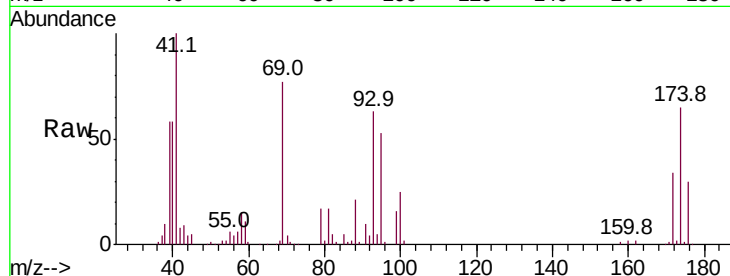
Tot Ion: 88 Resp: 23915

Ion Ratio Lower Upper

88 100

43 39.9 24.1 36.1#

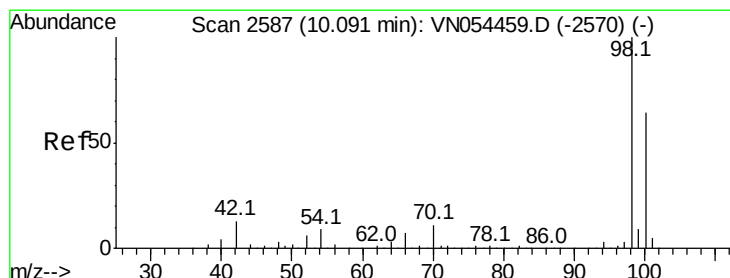
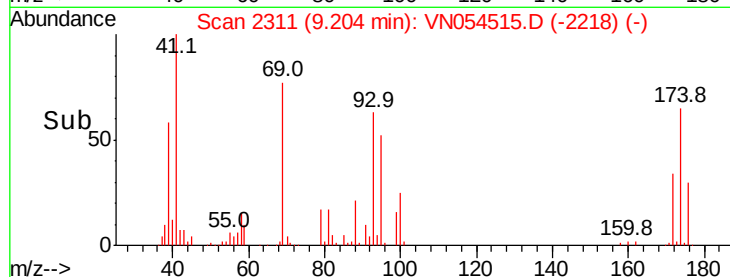
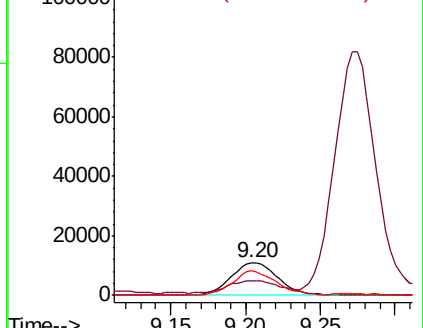
58 70.2 50.8 76.2



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: 48.316 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054515.D

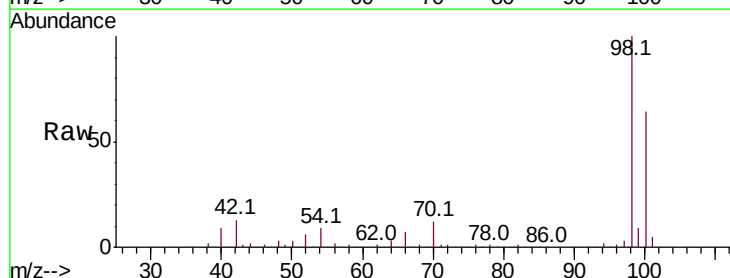
Acq: 21 Mar 2019 17:05

Tgt Ion: 98 Resp: 1003264

Ion Ratio Lower Upper

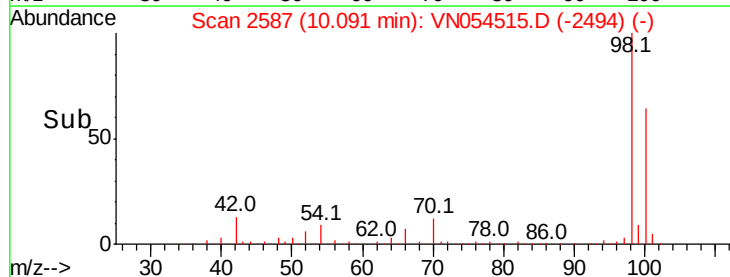
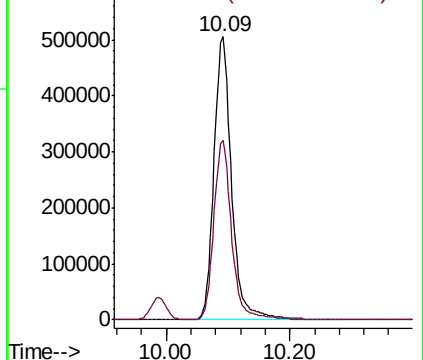
98 100

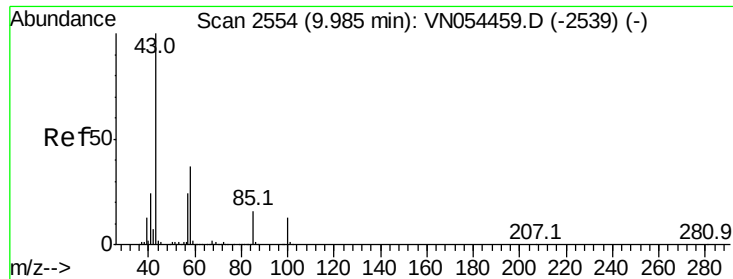
100 63.7 51.2 76.8



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: 107.227 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

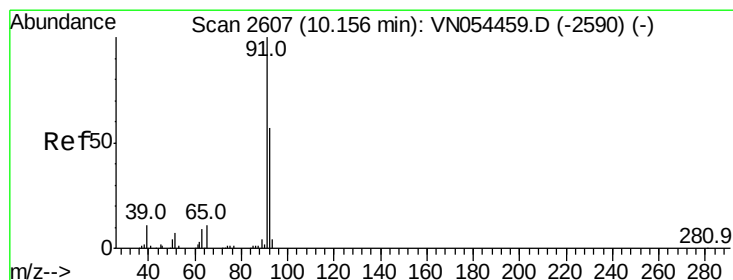
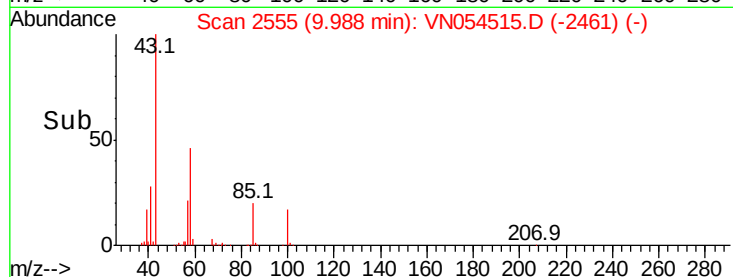
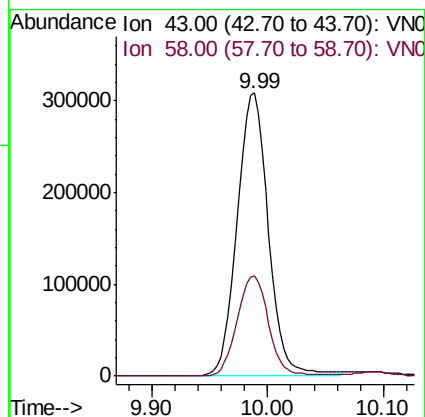
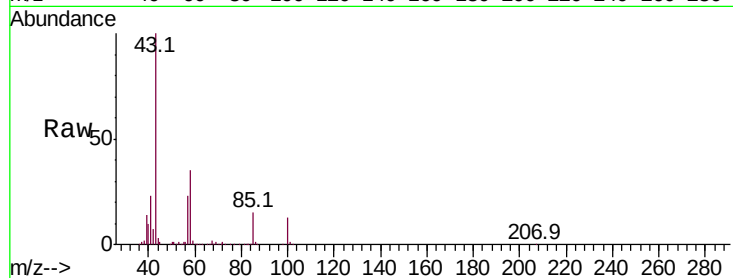
VN0321WBS01

Tot Ion: 43 Resp: 572206

Ion Ratio Lower Upper

43 100

58 36.0 31.8 47.6



#52

Toluene

Concen: 19.556 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054515.D

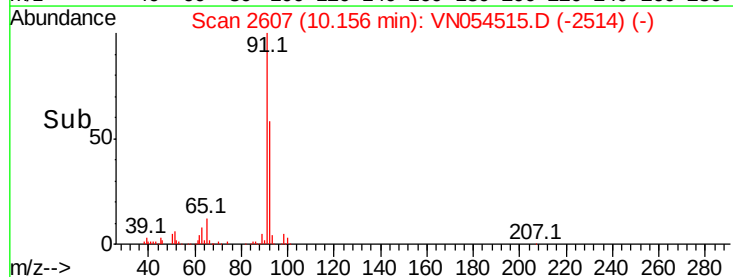
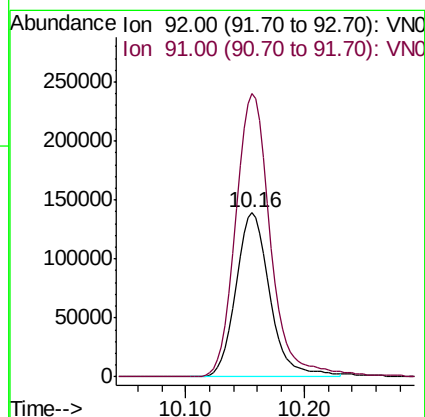
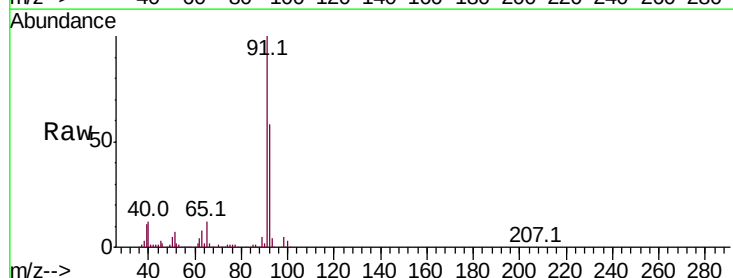
Acq: 21 Mar 2019 17:05

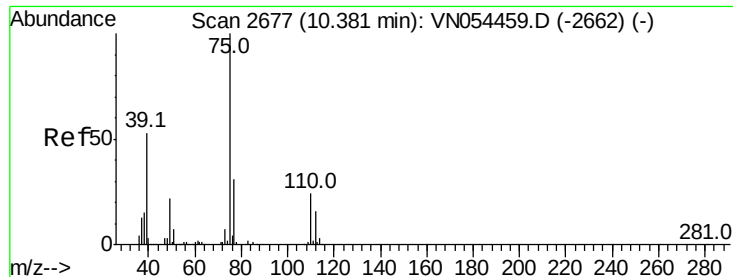
Tgt Ion: 92 Resp: 275709

Ion Ratio Lower Upper

92 100

91 178.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.858 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

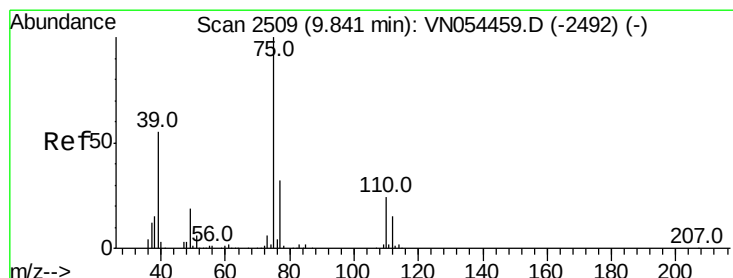
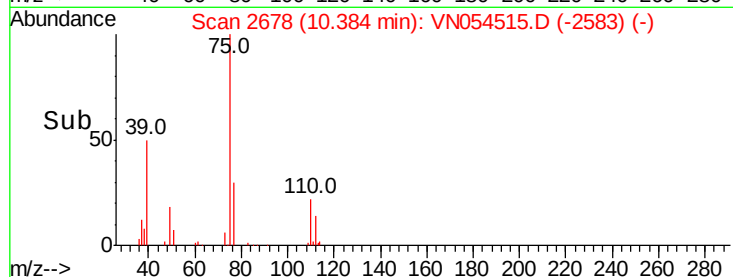
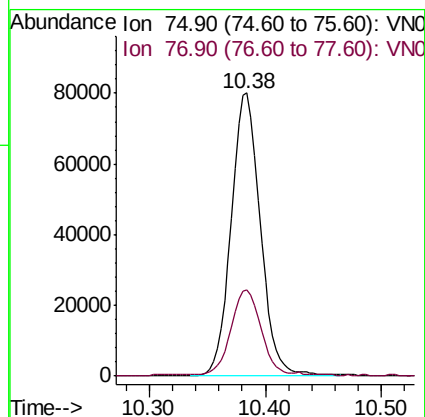
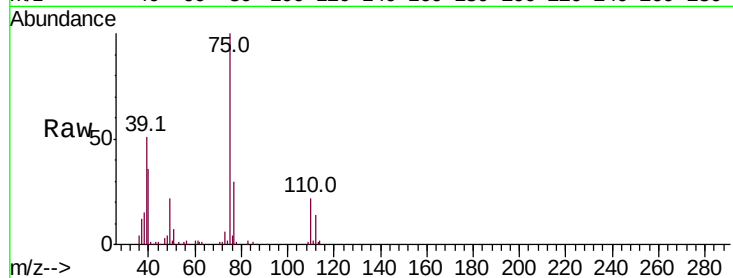
VN0321WBS01

Tot Ion: 75 Resp: 139906

Ion Ratio Lower Upper

75 100

77 30.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.152 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

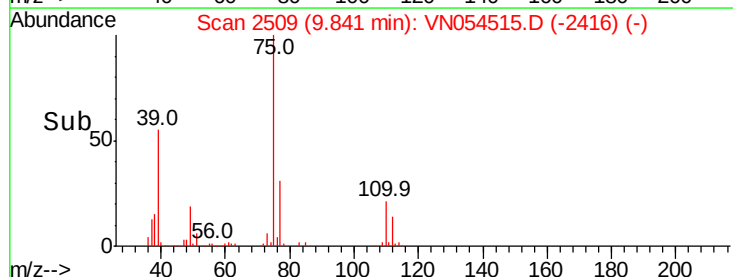
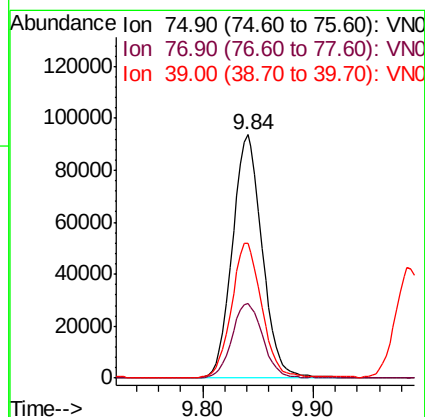
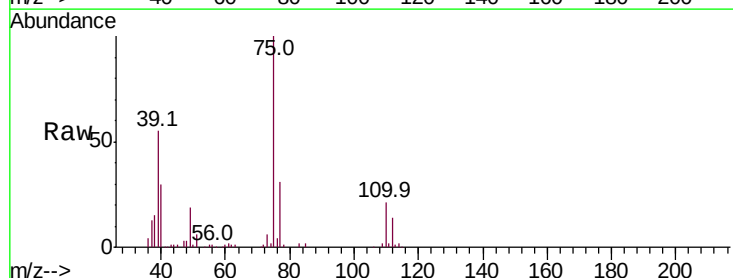
Tgt Ion: 75 Resp: 176096

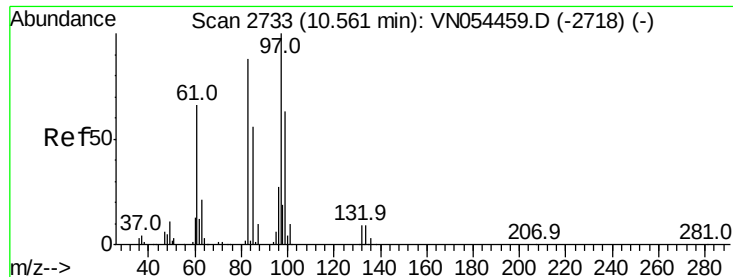
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 55.1 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 20.422 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

Tot Ion: 97 Resp: 103498

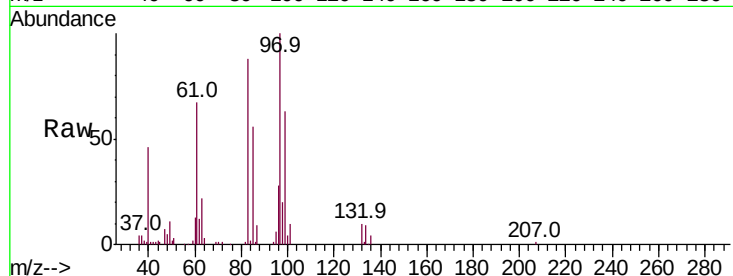
Ion Ratio Lower Upper

97 100

83 88.3 66.6 100.0

85 55.9 44.4 66.6

99 62.4 50.8 76.2

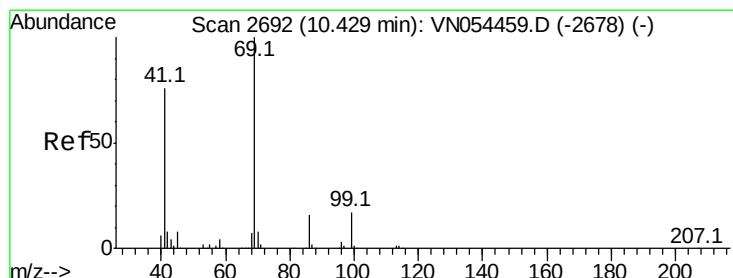
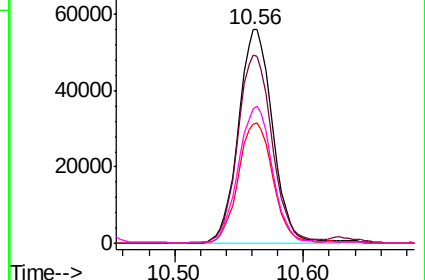
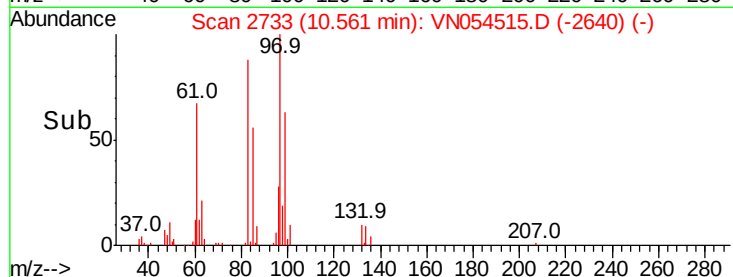


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.216 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

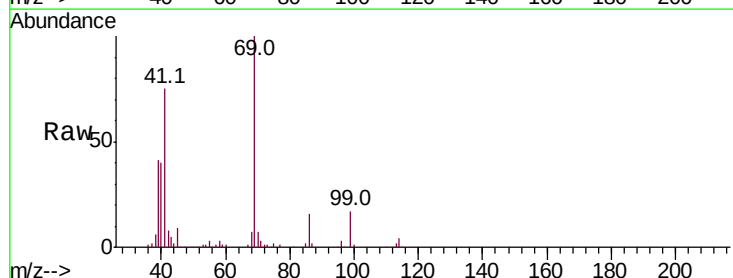
Tgt Ion: 69 Resp: 137517

Ion Ratio Lower Upper

69 100

41 75.3 49.4 74.2#

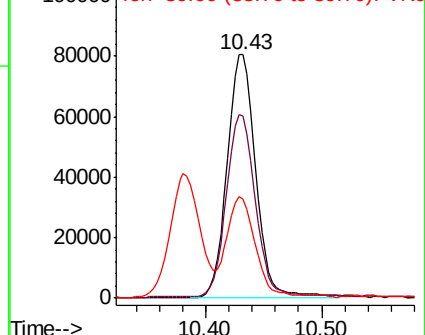
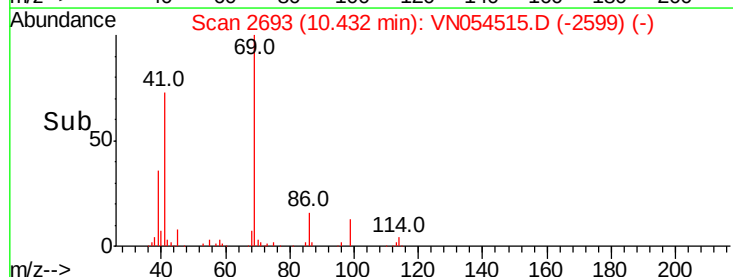
39 43.6 28.3 42.5#

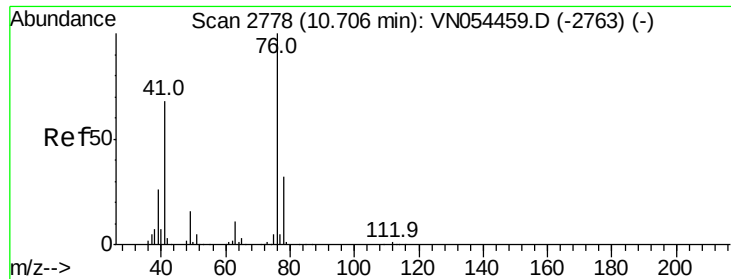


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.033 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampled :

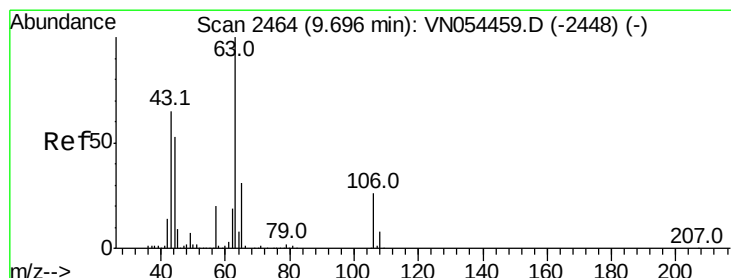
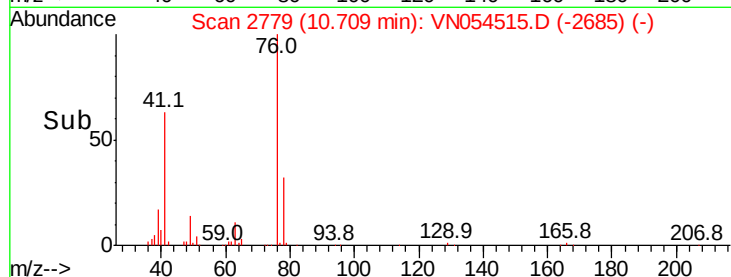
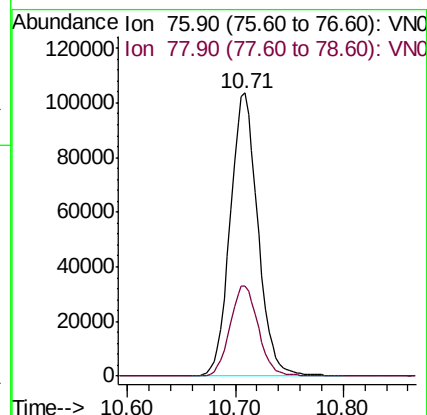
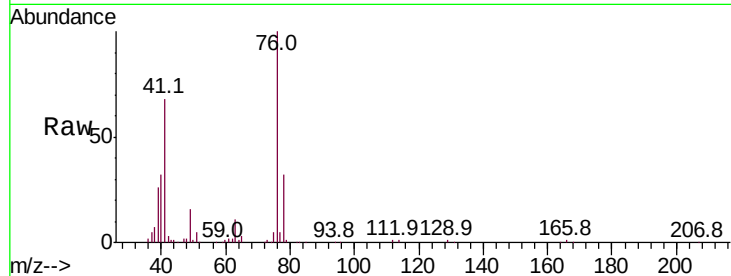
VN0321WBS01

Tot Ion: 76 Resp: 185291

Ion Ratio Lower Upper

76 100

78 32.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 96.486 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054515.D

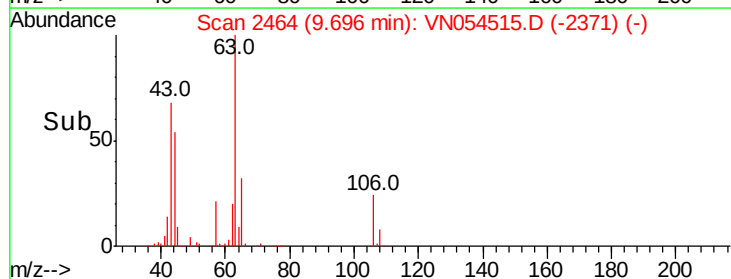
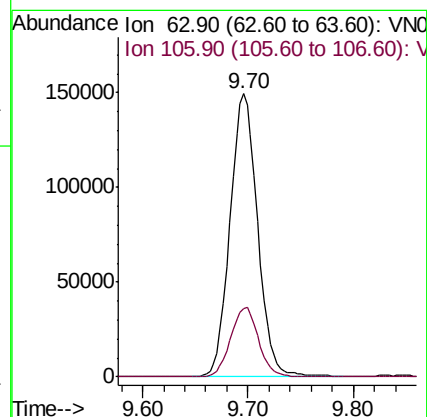
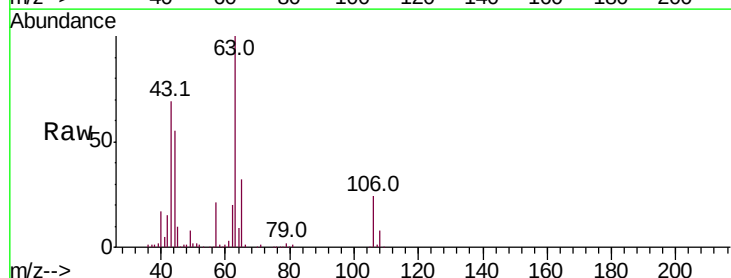
Acq: 21 Mar 2019 17:05

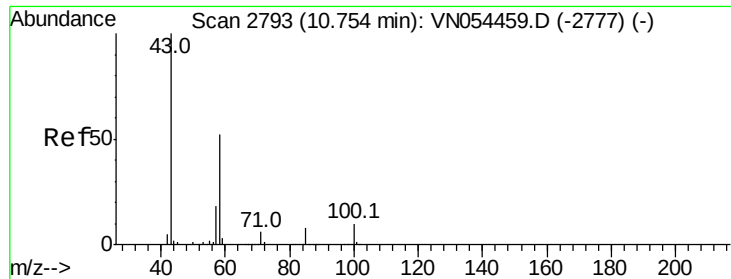
Tgt Ion: 63 Resp: 270258

Ion Ratio Lower Upper

63 100

106 24.9 24.4 36.6

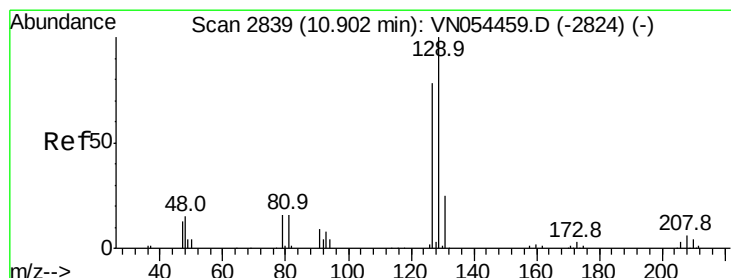
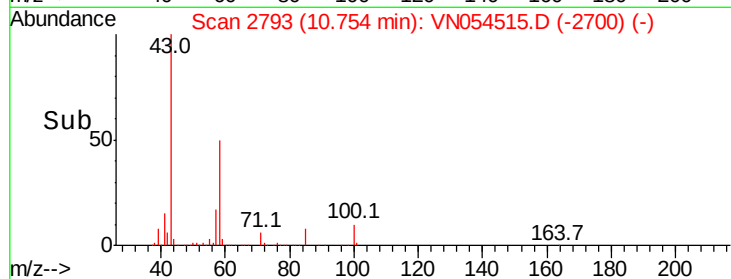
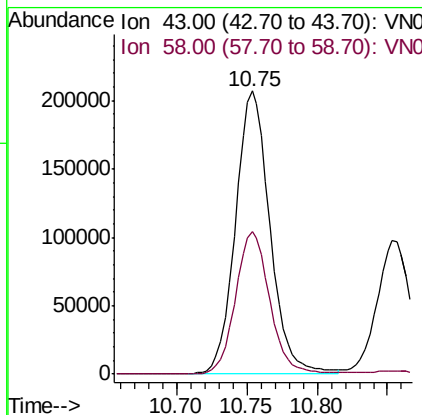
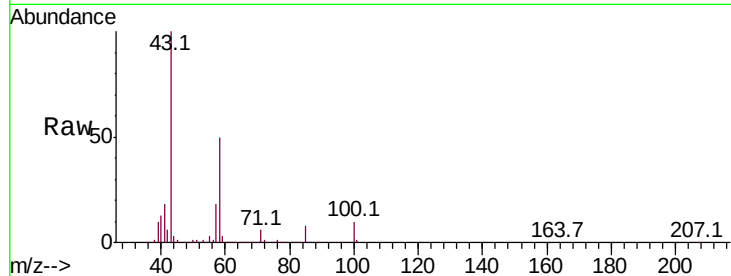




#59
2-Hexanone
Concen: 100.931 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

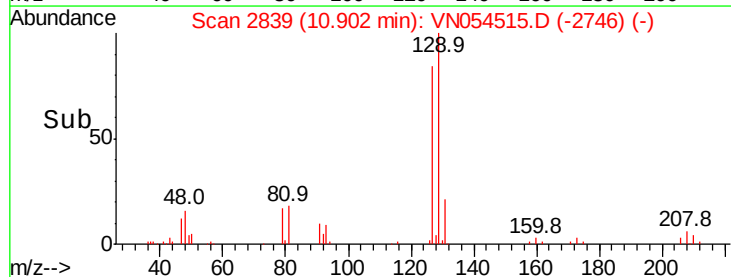
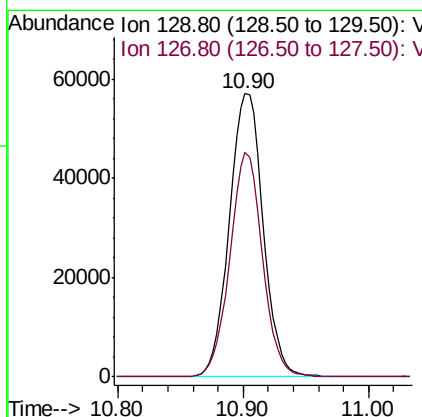
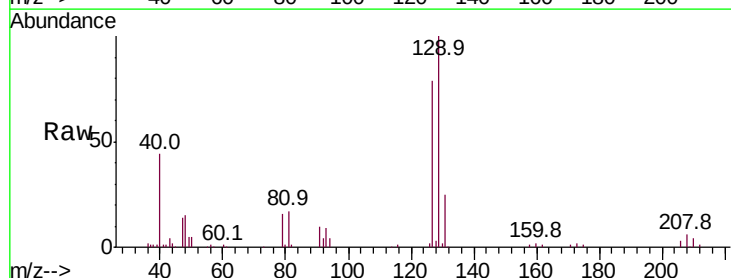
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

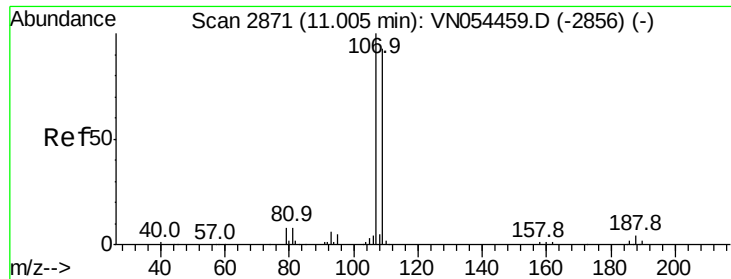
Tot Ion: 43 Resp: 351814
Ion Ratio Lower Upper
43 100
58 50.7 28.0 83.9



#60
Dibromochloromethane
Concen: 19.815 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 129 Resp: 106860
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.565 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

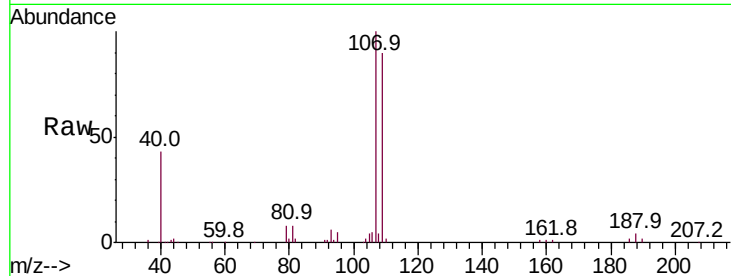
VN0321WBS01

Tot Ion:107 Resp: 103038

Ion Ratio Lower Upper

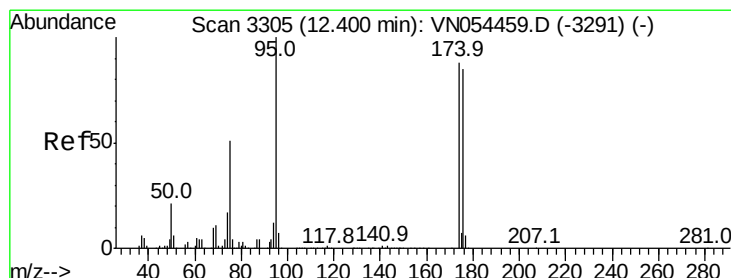
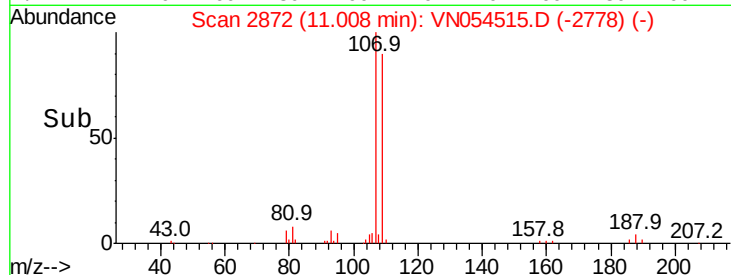
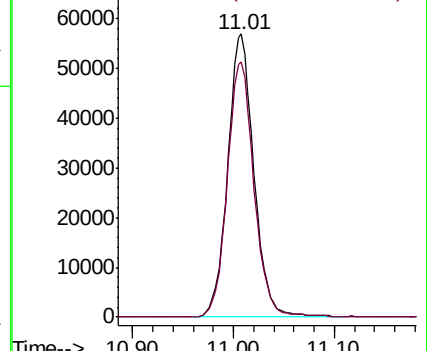
107 100

109 92.2 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: 47.051 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

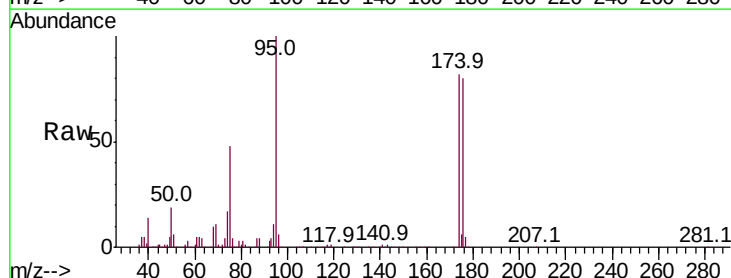
Tgt Ion: 95 Resp: 332455

Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

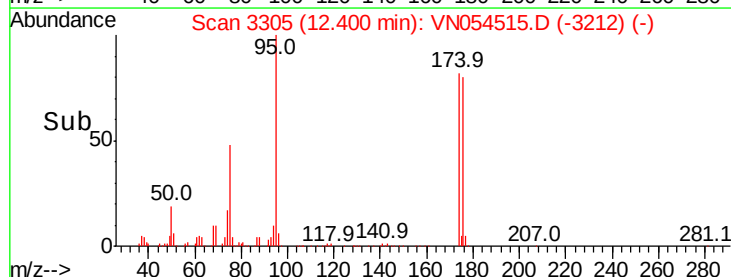
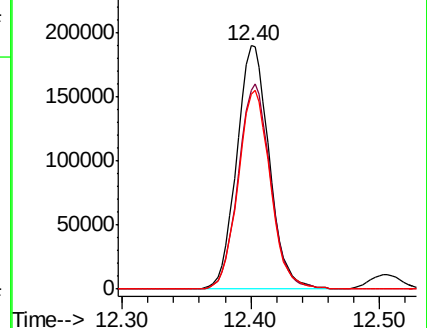
176 81.1 0.0 187.4

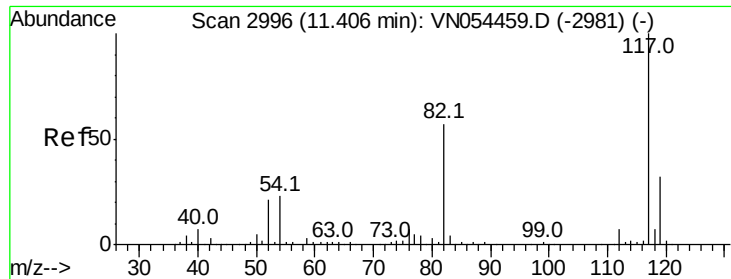


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

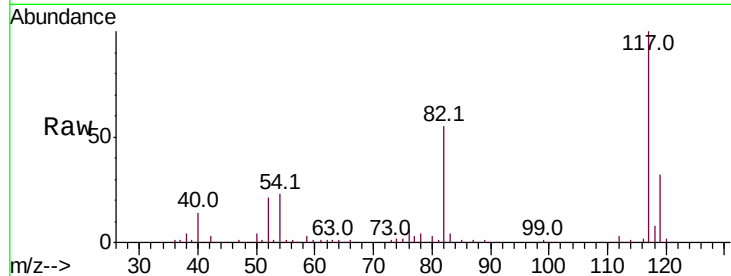




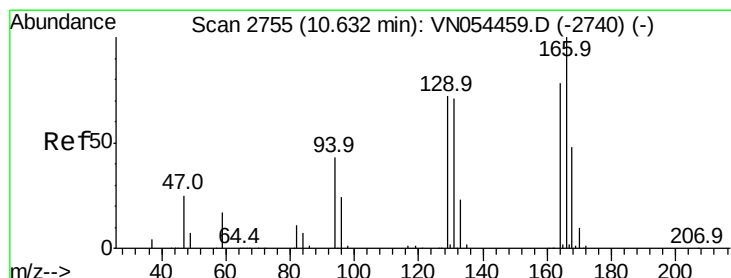
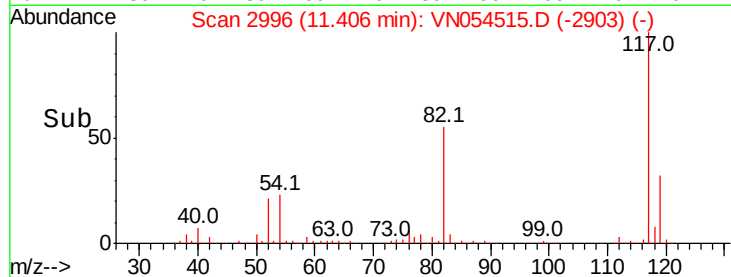
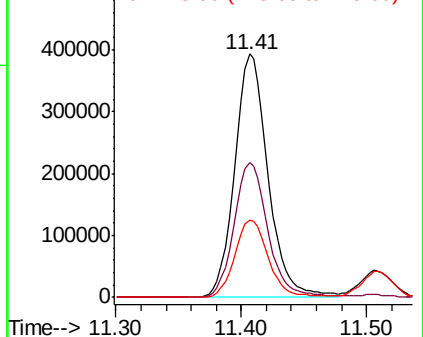
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

Tot Ion:117 Resp: 725269
Ion Ratio Lower Upper
117 100
82 55.4 40.0 60.0
119 31.8 25.8 38.6

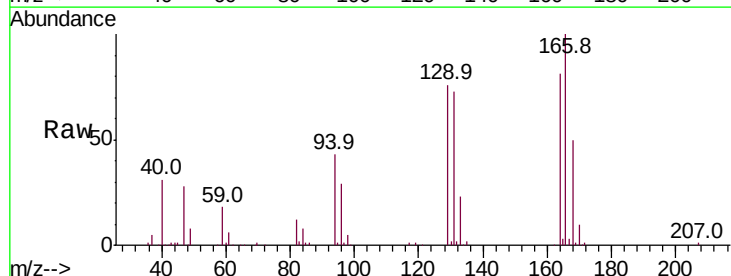


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

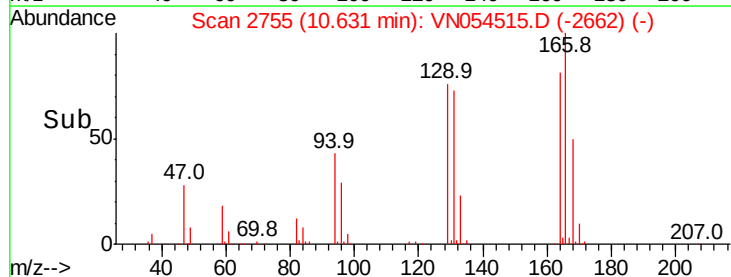
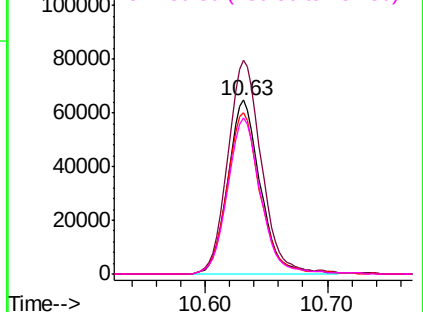


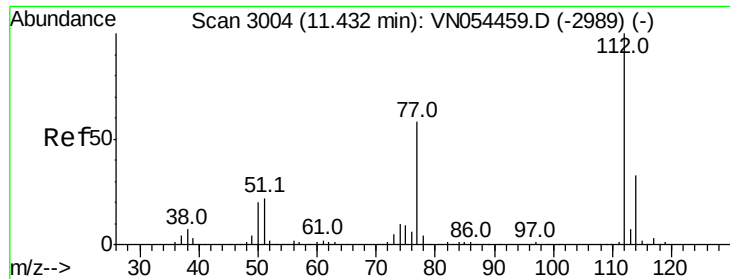
#64
Tetrachloroethene
Concen: 20.040 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion:164 Resp: 120556
Ion Ratio Lower Upper
164 100
166 122.8 103.9 155.9
129 92.8 71.1 106.7
131 89.7 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

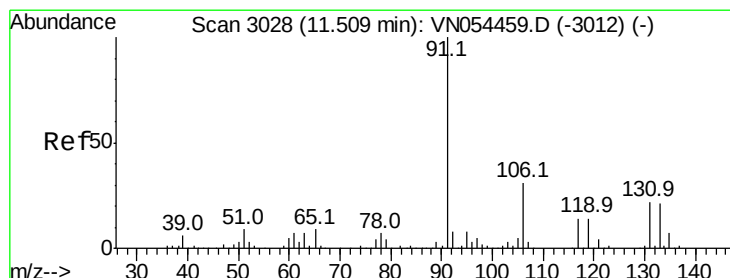
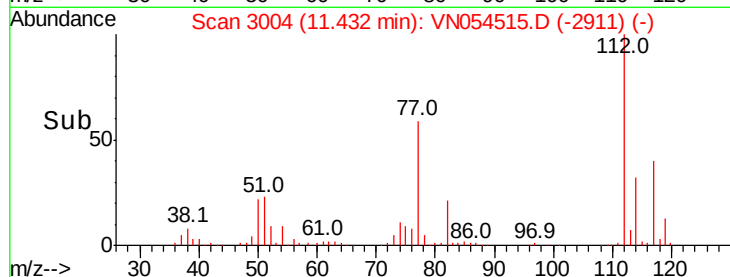
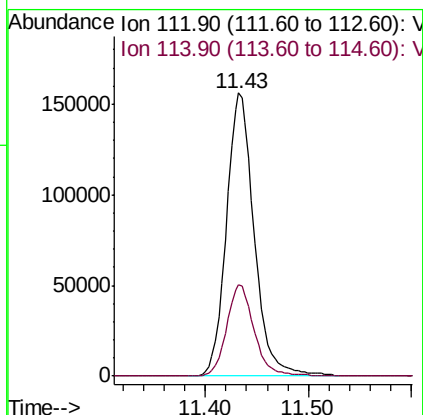
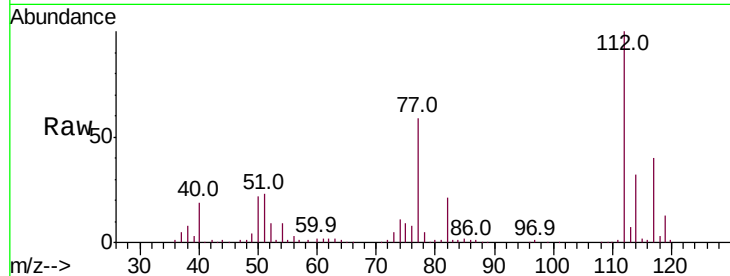




#65
Chlorobenzene
Concen: 19.837 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

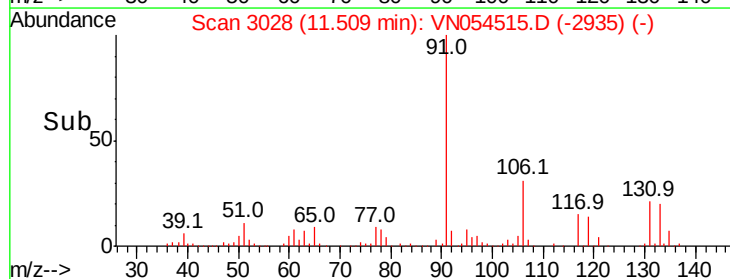
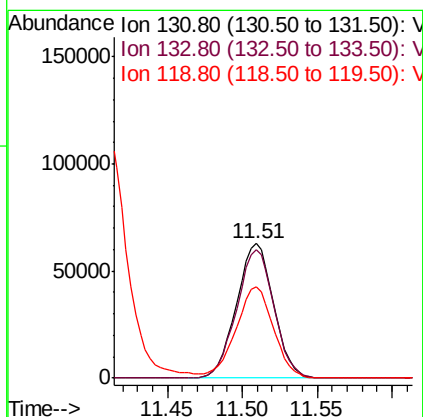
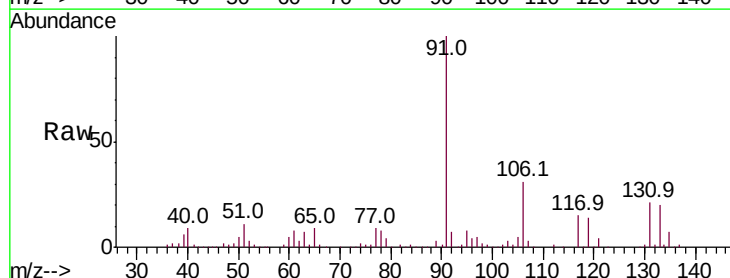
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

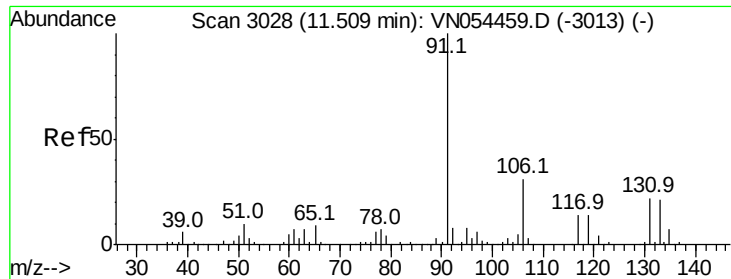
Tot Ion:112 Resp: 292614
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.528 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion:131 Resp: 108690
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 68.5 32.4 97.0

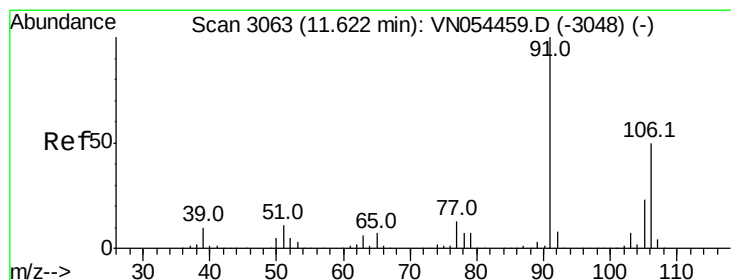
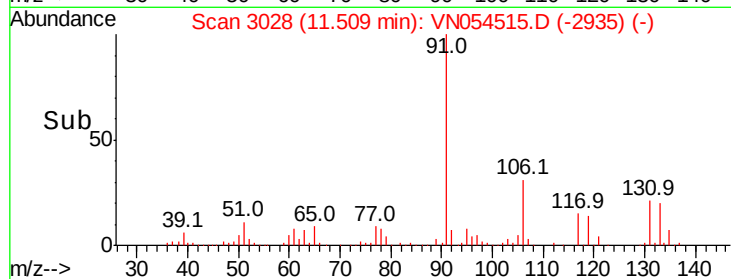
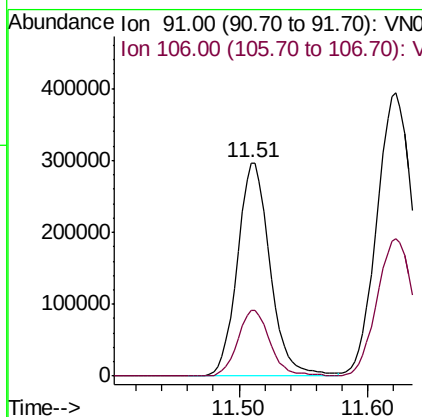
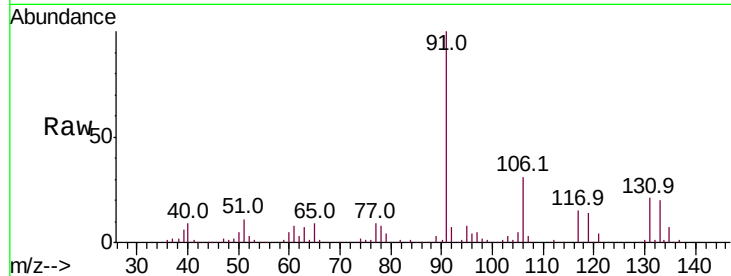




#67
Ethyl Benzene
Concen: 20.103 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

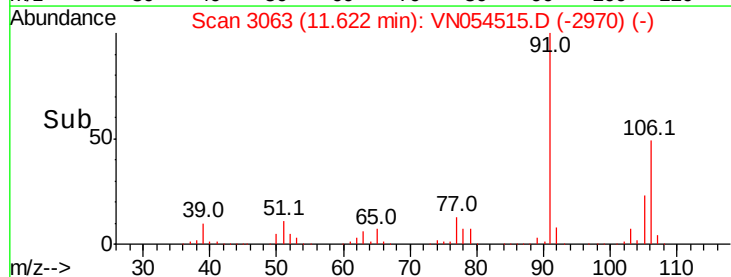
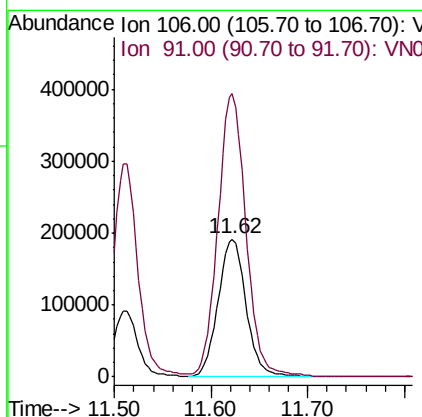
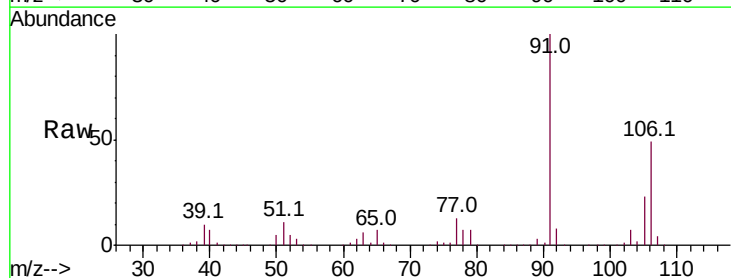
Instrument :
MSVOA_N
ClientSampled :
VN0321WBS01

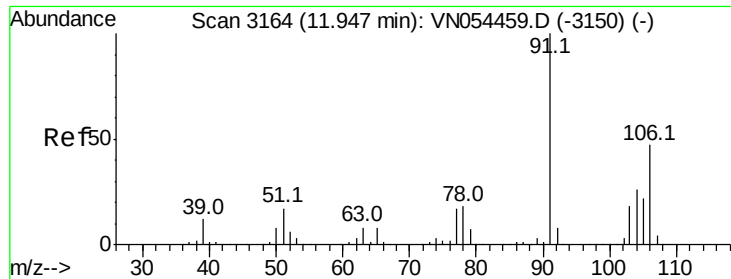
Tot Ion: 91 Resp: 523830
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3



#68
m/p-Xylenes
Concen: 39.111 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 106 Resp: 386017
Ion Ratio Lower Upper
106 100
91 205.8 159.4 239.2

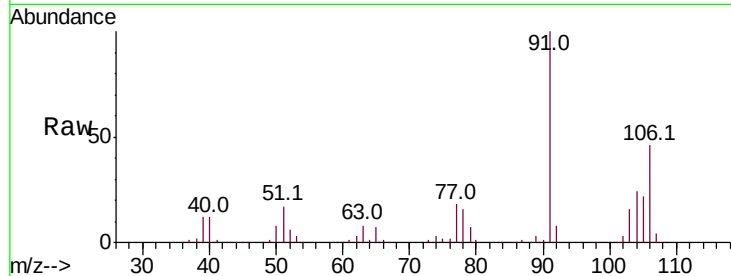




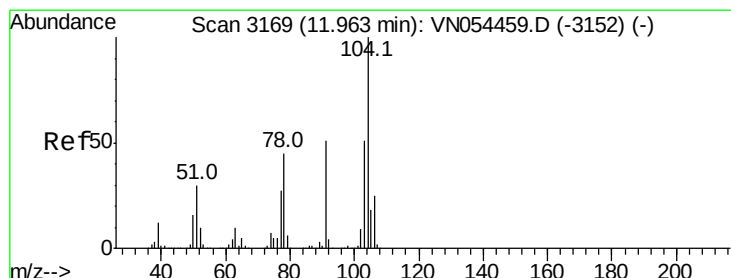
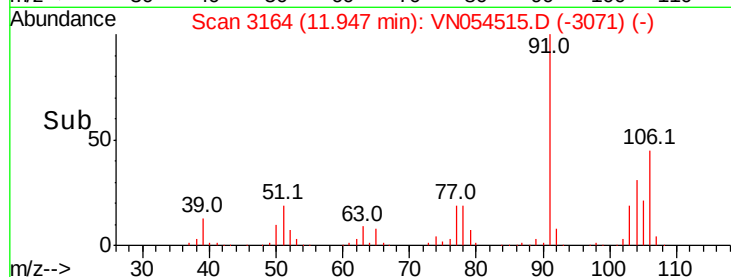
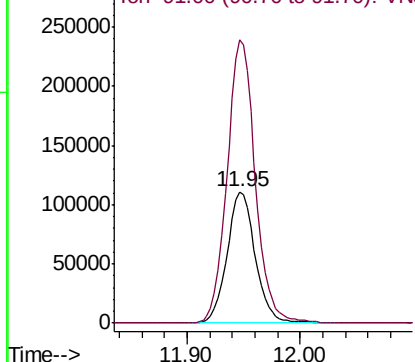
#69
o-Xylene
Concen: 19.941 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Instrument :
MSVOA_N
ClientSampled :
VN0321WBS01

Tot Ion:106 Resp: 192208
Ion Ratio Lower Upper
106 100
91 215.2 105.7 317.1

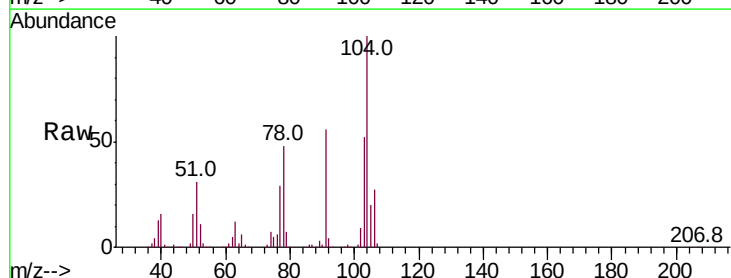


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

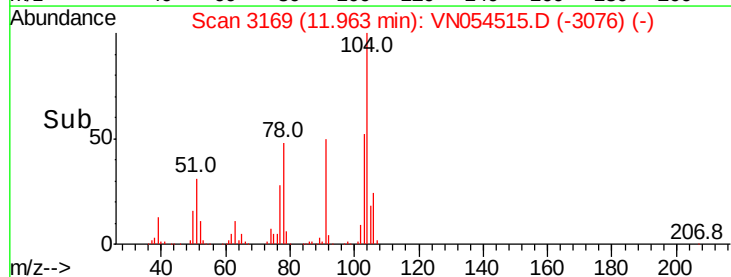
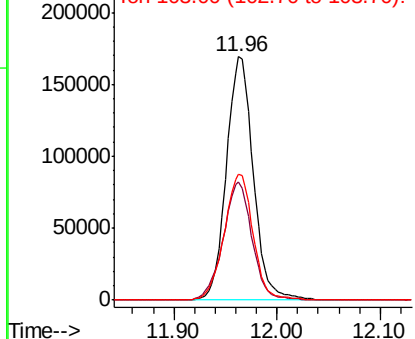


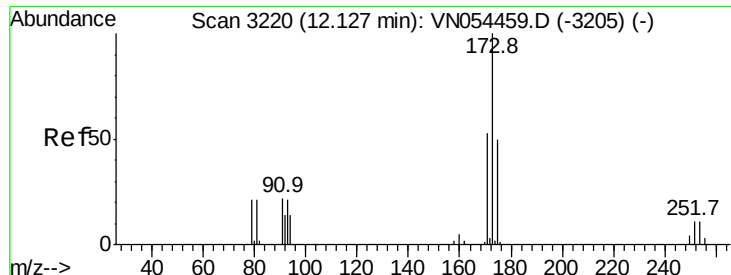
#70
Styrene
Concen: 19.721 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion:104 Resp: 308684
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.105 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampled :

VN0321WBS01

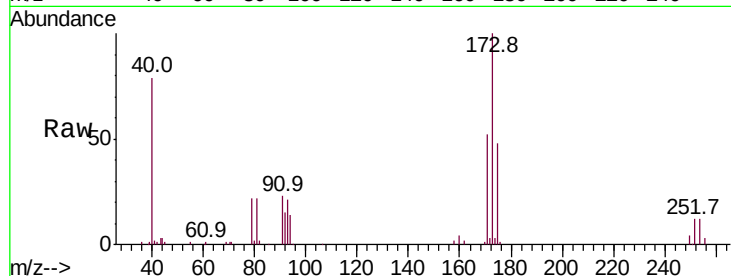
Tot Ion:173 Resp: 60678

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.2

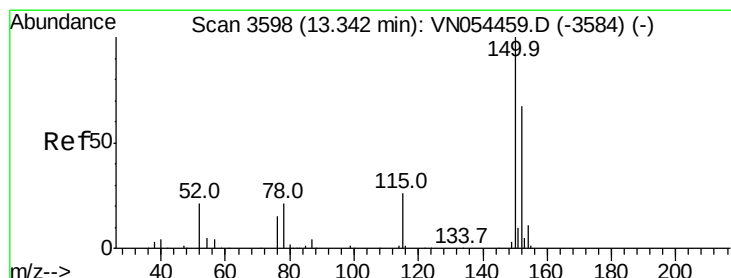
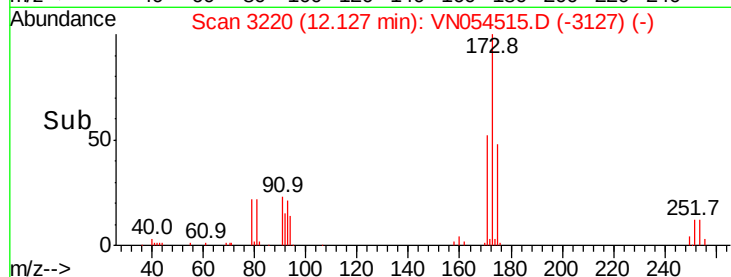
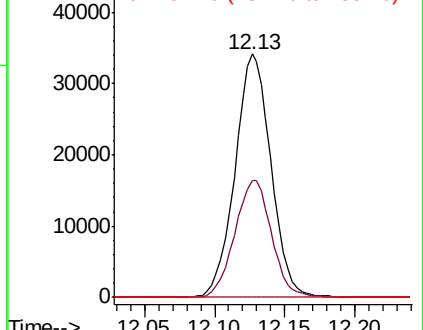
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

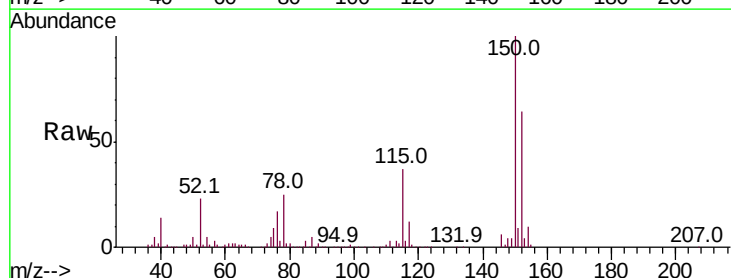
Tgt Ion:152 Resp: 301515

Ion Ratio Lower Upper

152 100

115 58.0 27.2 81.6

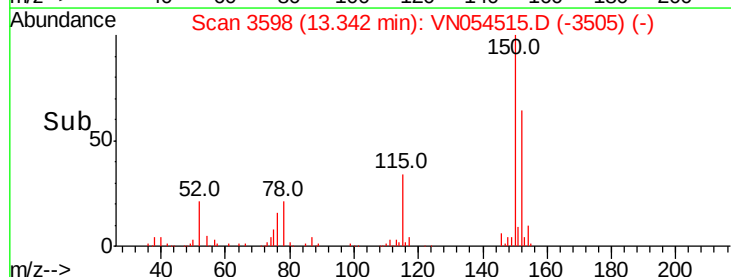
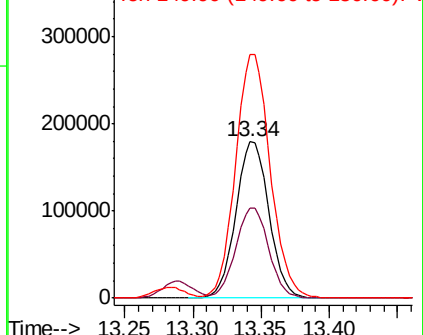
150 163.2 0.0 349.2

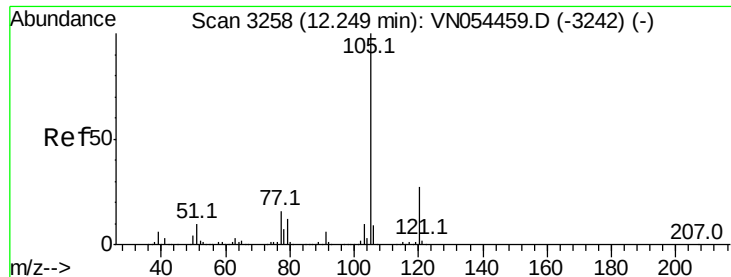


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.807 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

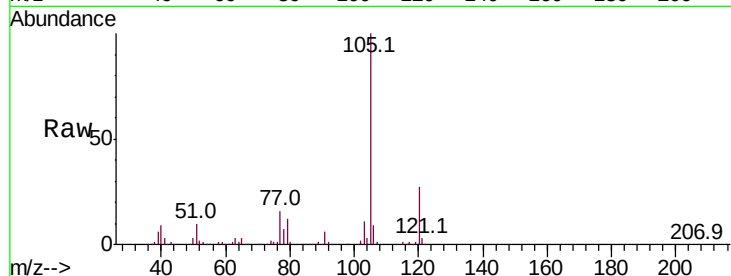
VN0321WBS01

Tot Ion:105 Resp: 505550

Ion Ratio Lower Upper

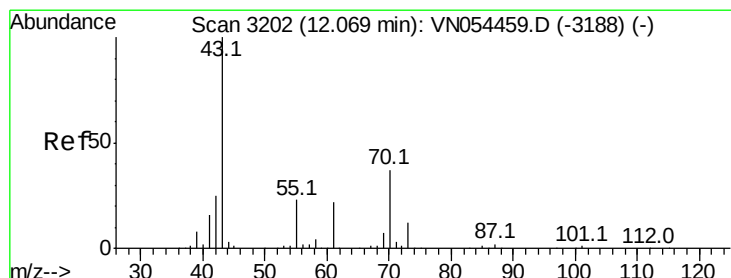
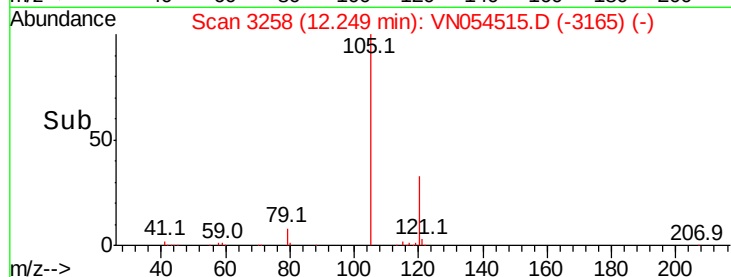
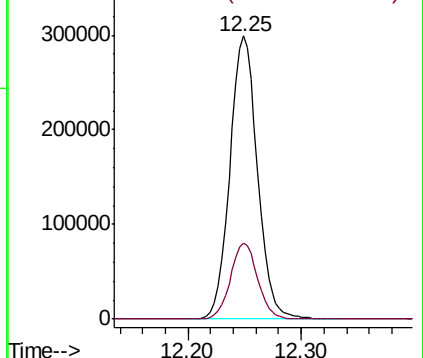
105 100

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



#74

N-ethyl acetate

Concen: 21.953 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Tgt Ion: 43 Resp: 153365

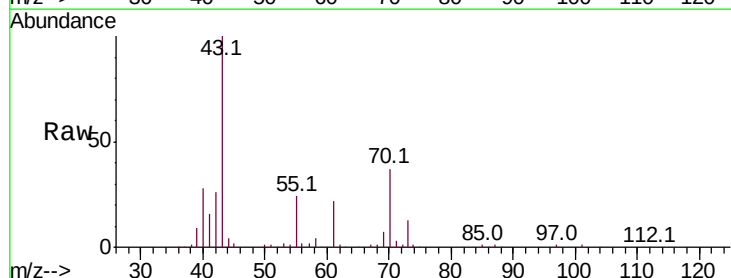
Ion Ratio Lower Upper

43 100

70 38.2 35.4 53.0

55 23.5 19.8 29.6

61 21.7 19.8 29.6

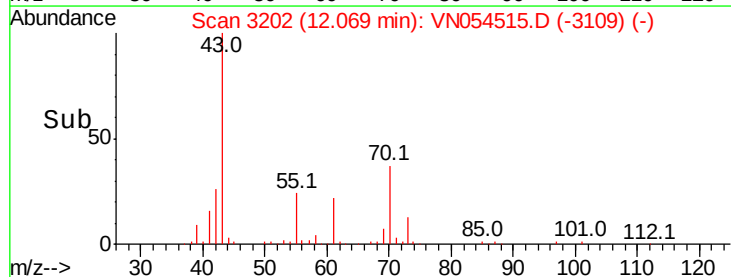
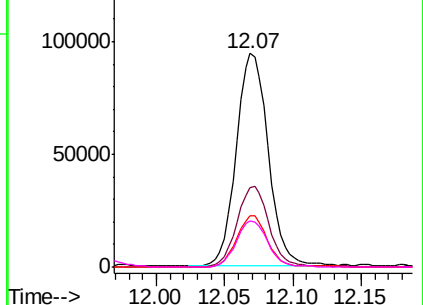


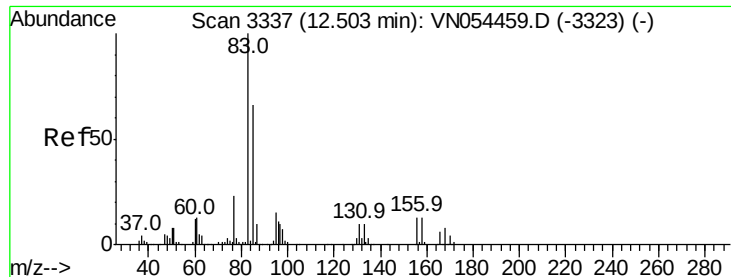
Abundance Ion 43.00 (42.70 to 43.70): VN0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 22.212 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

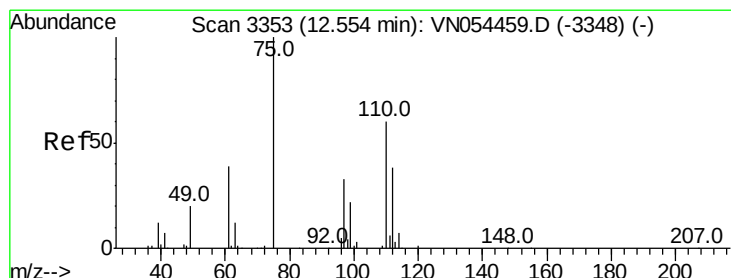
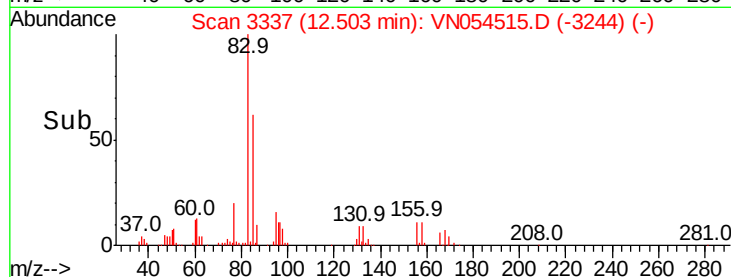
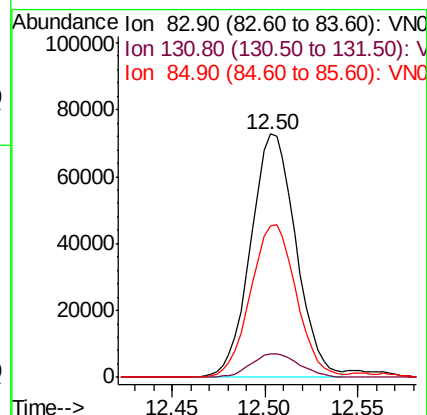
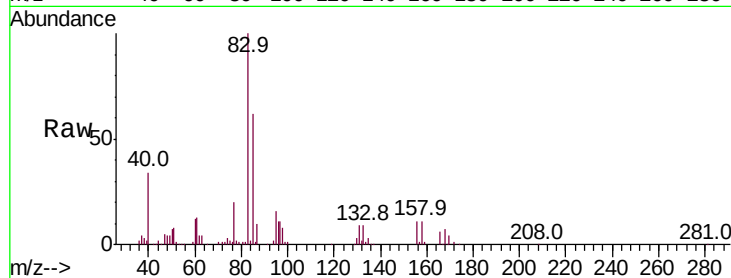
Tot Ion: 83 Resp: 123193

Ion Ratio Lower Upper

83 100

131 10.3 5.8 17.4

85 63.6 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 30.235 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN054515.D

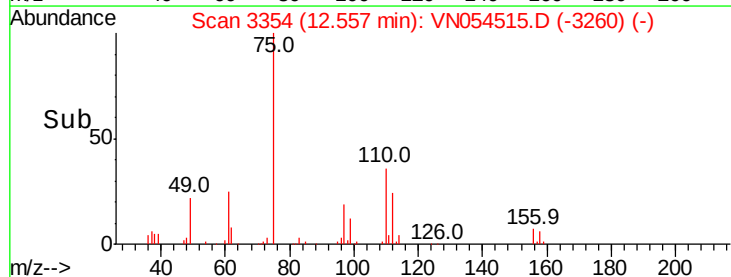
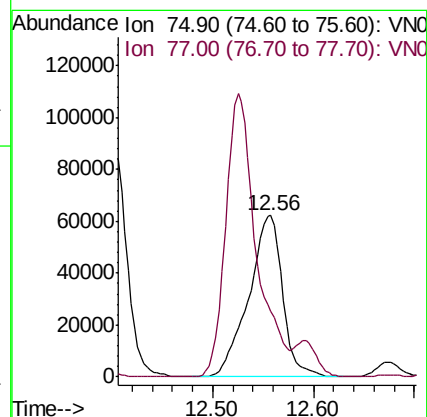
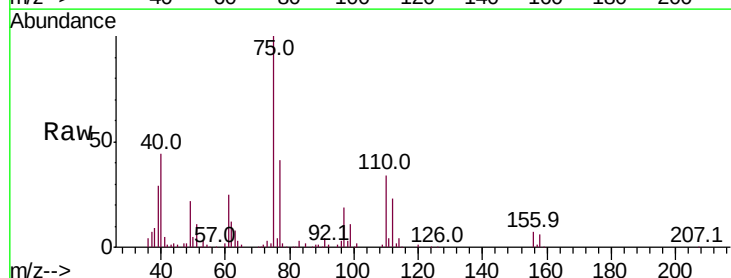
Acq: 21 Mar 2019 17:05

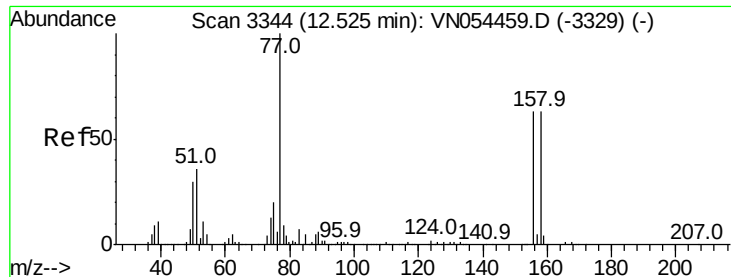
Tgt Ion: 75 Resp: 144660

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.420 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampled :

VN0321WBS01

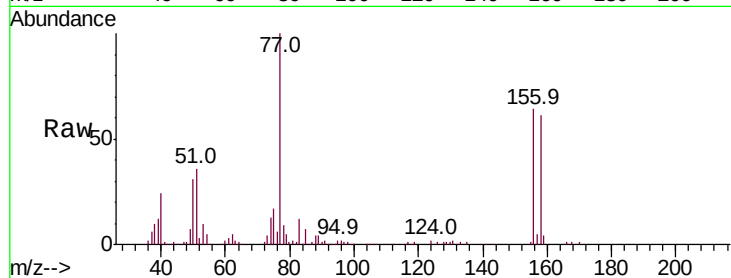
Tot Ion:156 Resp: 123052

Ion Ratio Lower Upper

156 100

77 188.6 81.5 244.4

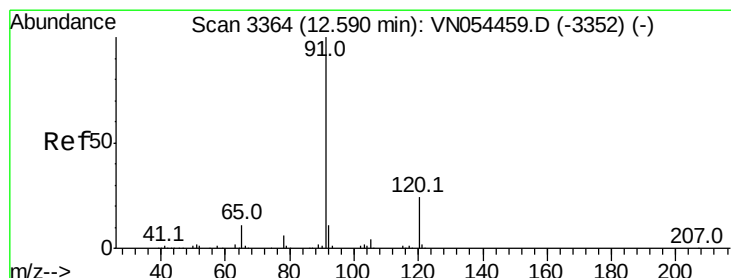
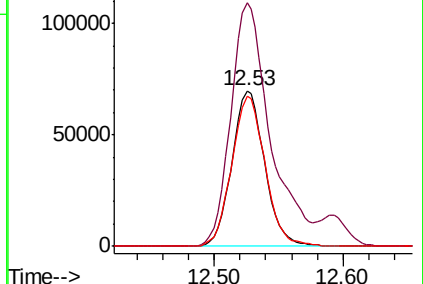
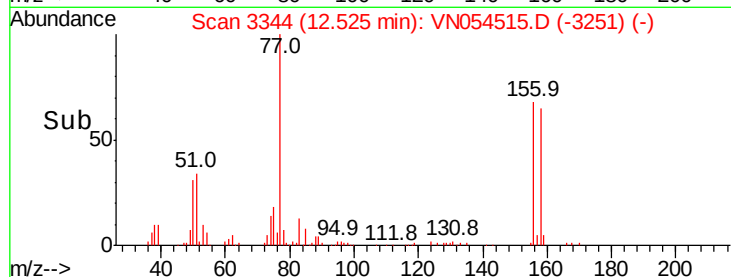
158 98.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.318 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054515.D

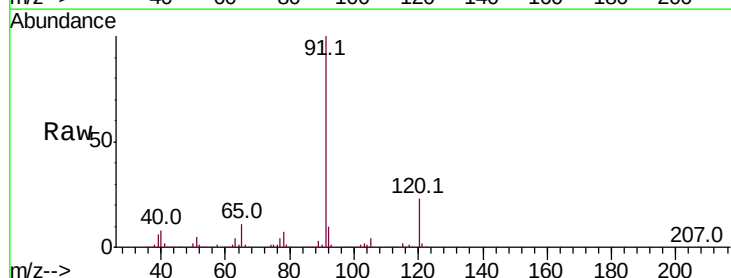
Acq: 21 Mar 2019 17:05

Tgt Ion: 91 Resp: 535293

Ion Ratio Lower Upper

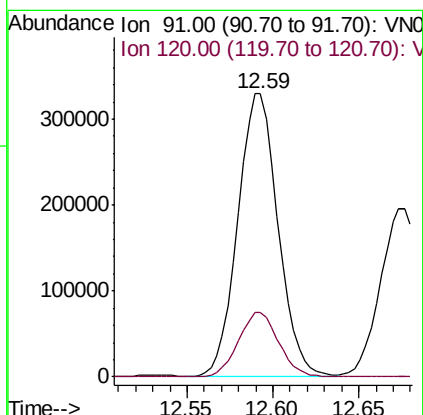
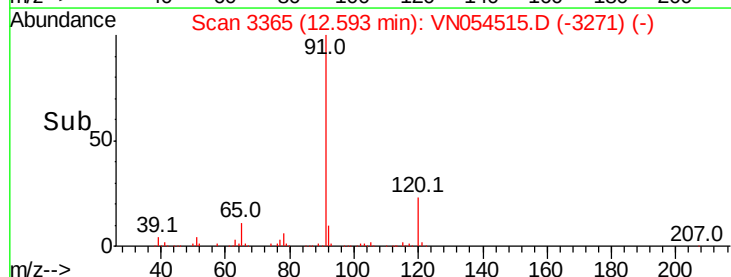
91 100

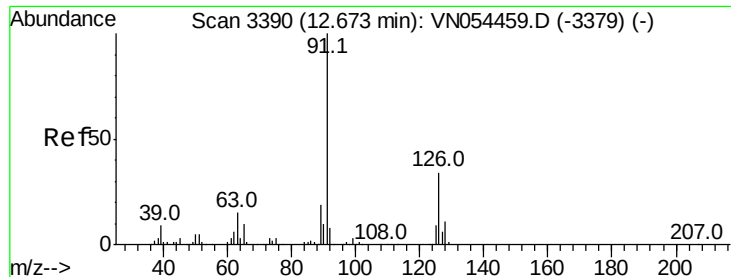
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.311 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

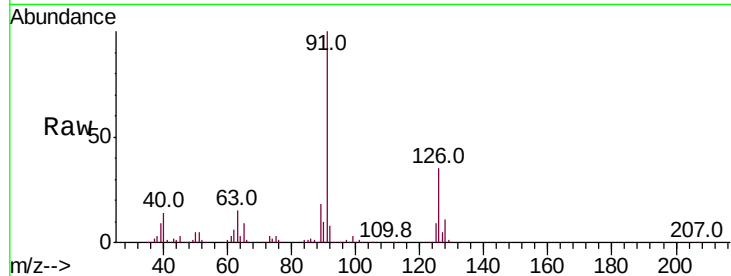
VN0321WBS01

Tot Ion: 91 Resp: 333704

Ion Ratio Lower Upper

91 100

126 35.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

200000

150000

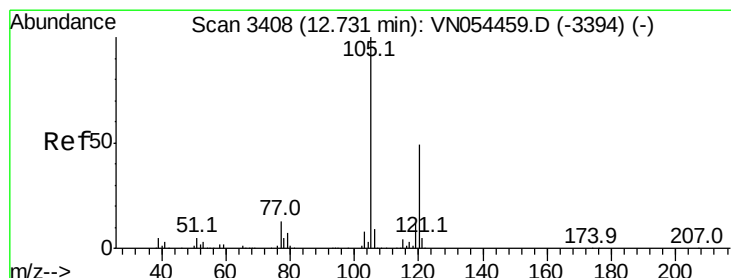
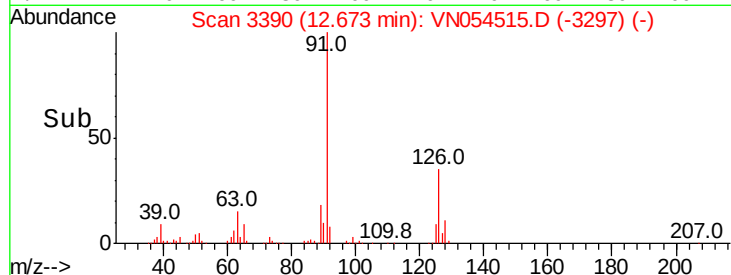
100000

50000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.437 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054515.D

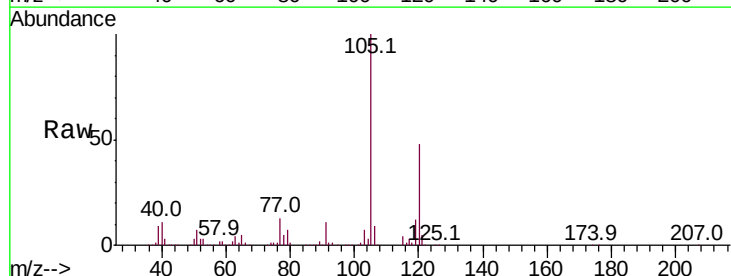
Acq: 21 Mar 2019 17:05

Tgt Ion: 105 Resp: 406970

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

300000

250000

200000

150000

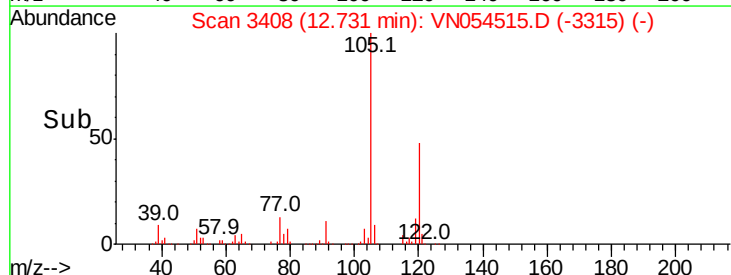
100000

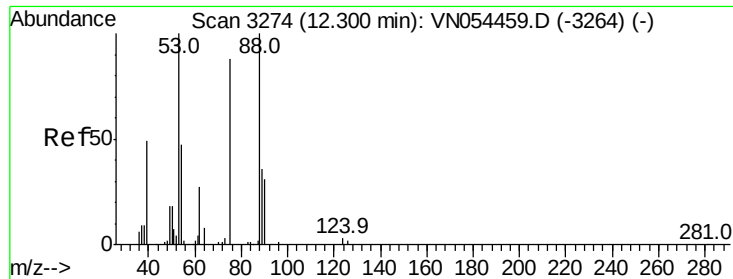
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.012 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

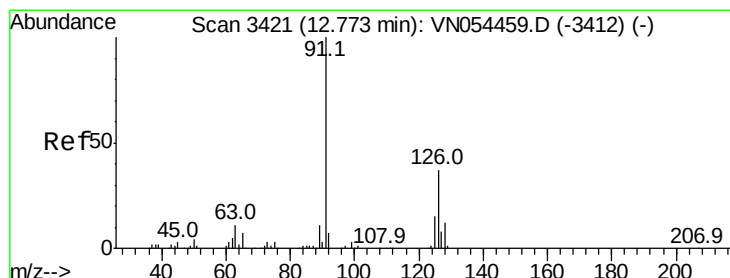
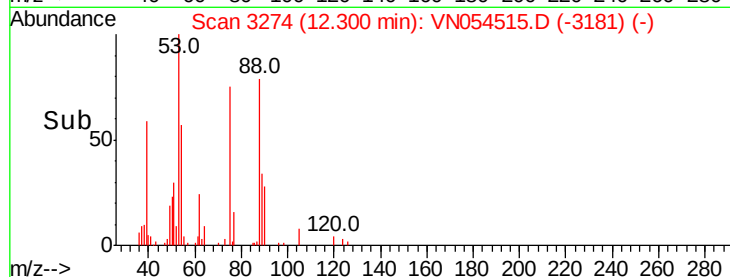
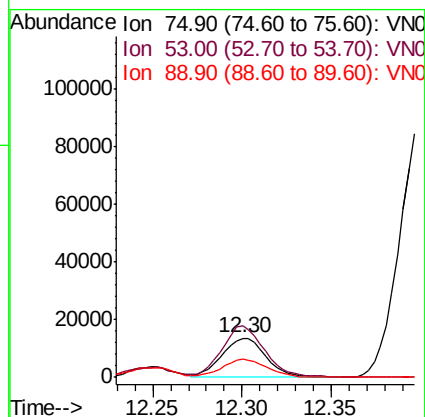
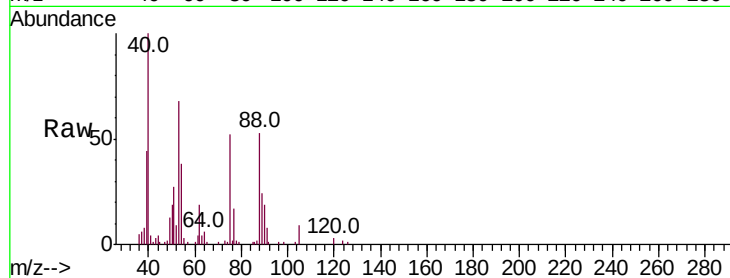
Tot Ion: 75 Resp: 23473

Ion Ratio Lower Upper

75 100

53 127.7 76.2 114.2#

89 46.0 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.157 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054515.D

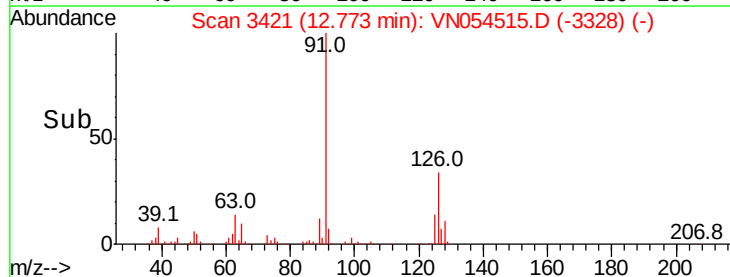
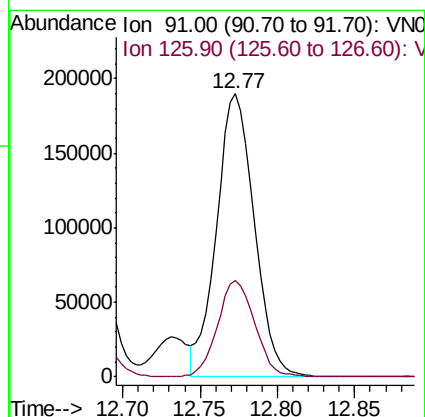
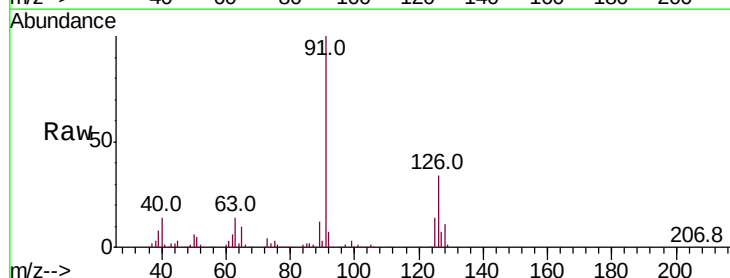
Acq: 21 Mar 2019 17:05

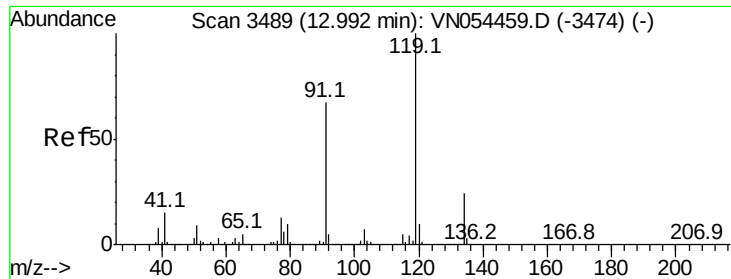
Tgt Ion: 91 Resp: 321001

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1





#83

tert-Butylbenzene

Concen: 20.753 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

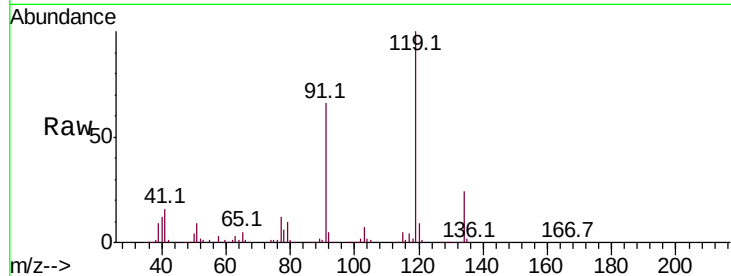
Tot Ion:119 Resp: 359723

Ion Ratio Lower Upper

119 100

91 66.0 30.9 92.8

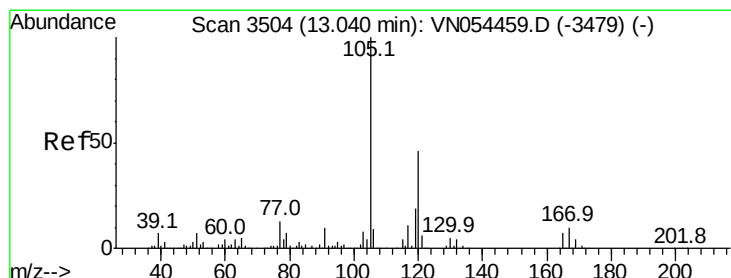
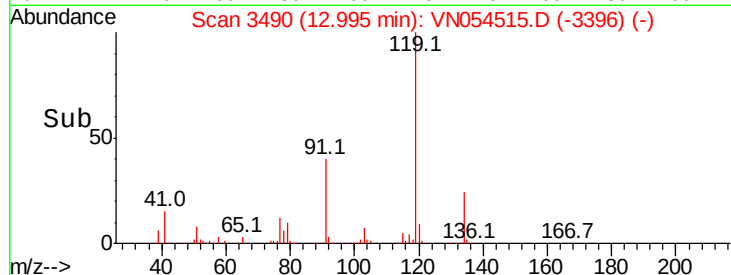
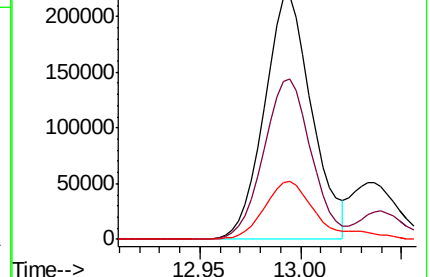
134 24.3 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.160 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054515.D

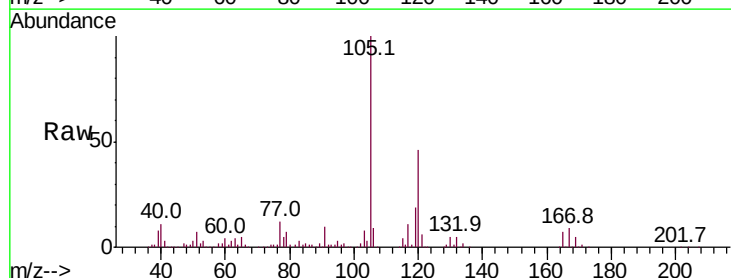
Acq: 21 Mar 2019 17:05

Tgt Ion:105 Resp: 393911

Ion Ratio Lower Upper

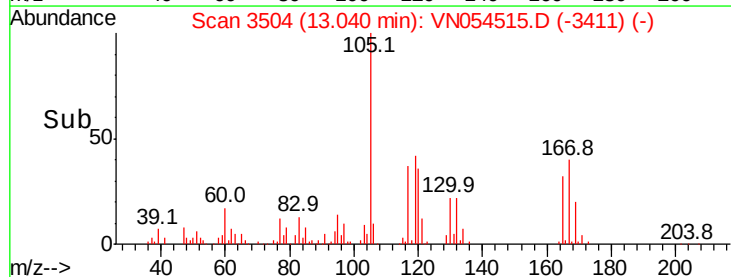
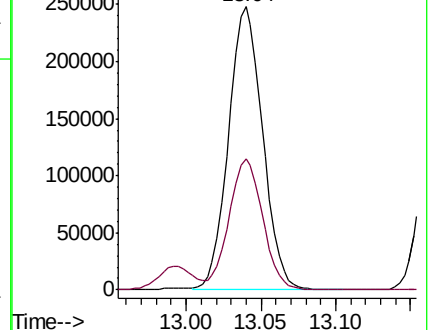
105 100

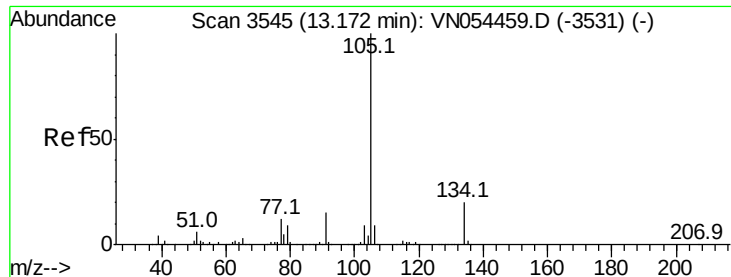
120 45.9 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.290 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

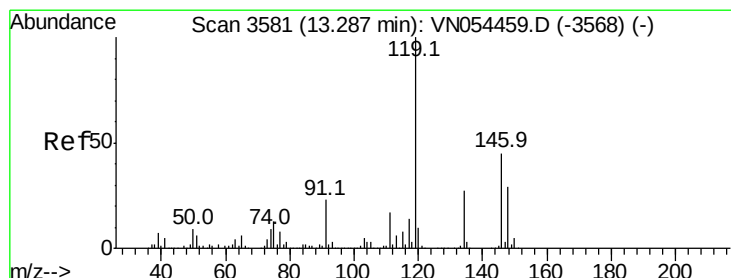
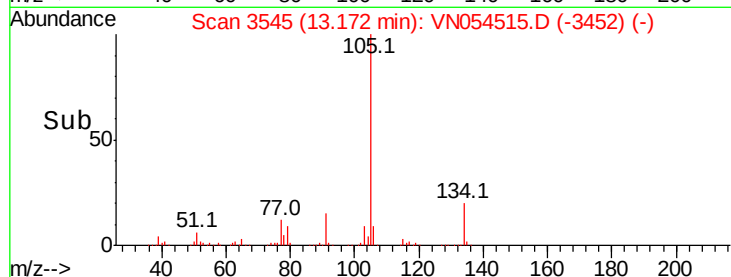
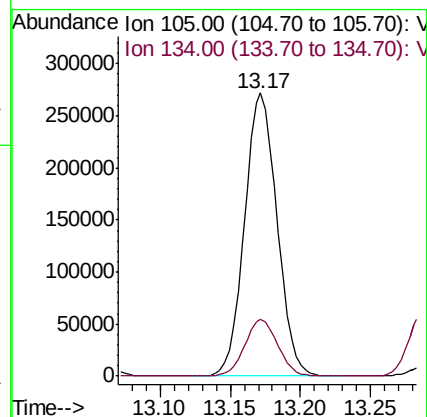
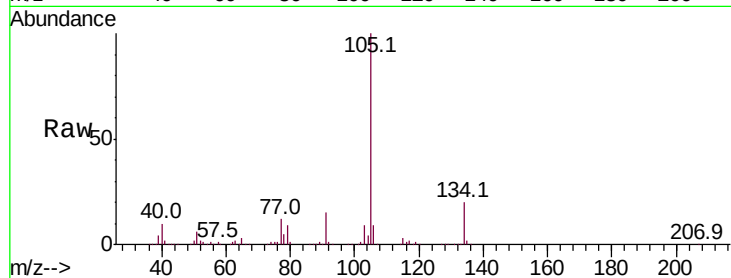
VN0321WBS01

Tot Ion:105 Resp: 438411

Ion Ratio Lower Upper

105 100

134 20.3 10.7 32.1



#86

p-Isopropyltoluene

Concen: 20.153 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

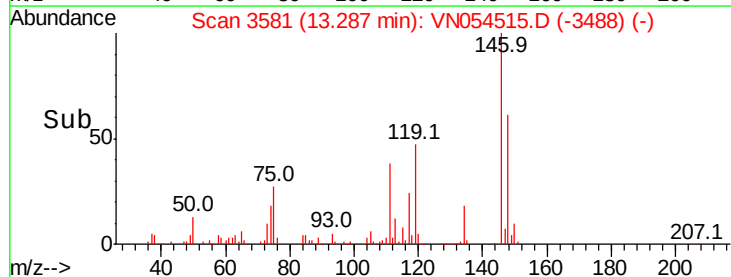
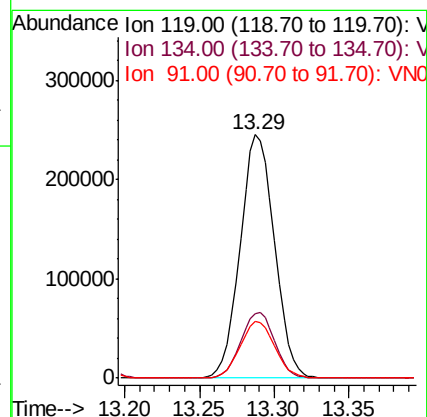
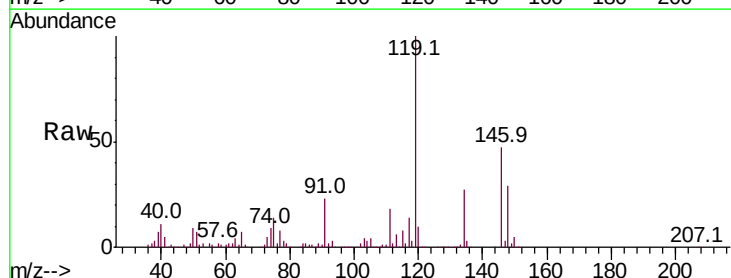
Tgt Ion:119 Resp: 389581

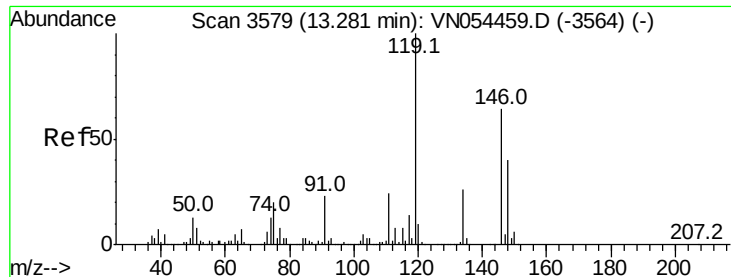
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 23.6 11.1 33.3

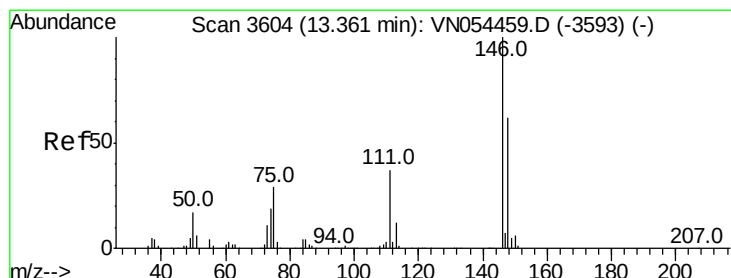
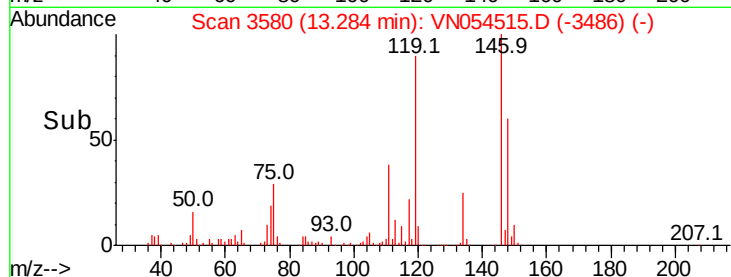
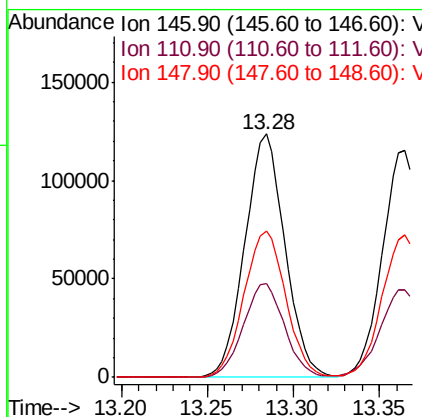
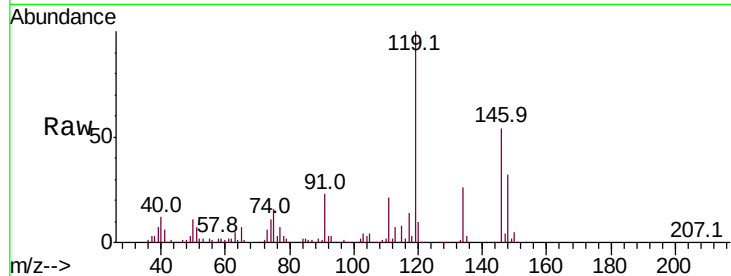




#87
 1,3-Dichlorobenzene
 Concen: 20.032 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

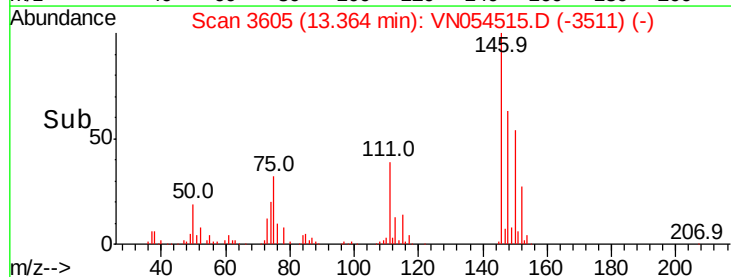
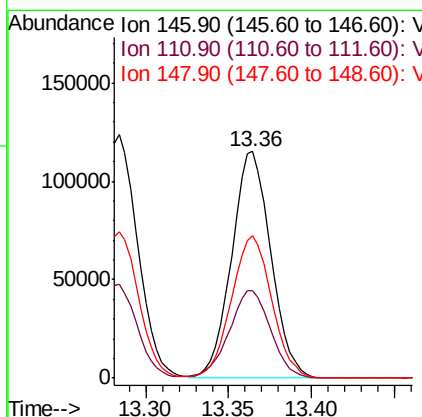
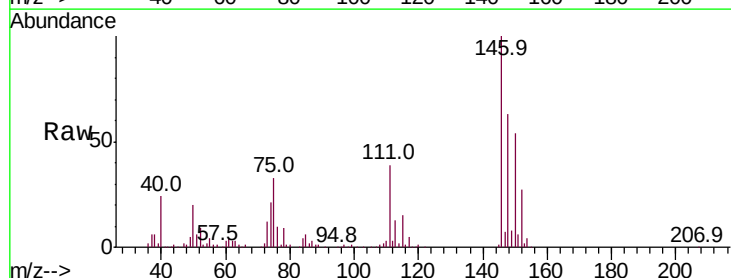
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

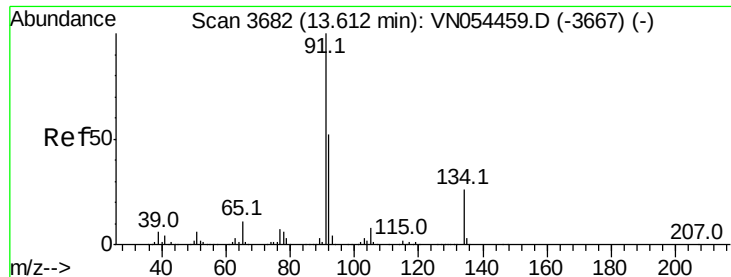
Tot Ion:146 Resp: 200034
 Ion Ratio Lower Upper
 146 100
 111 39.4 18.8 56.3
 148 62.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.500 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Tgt Ion:146 Resp: 189463
 Ion Ratio Lower Upper
 146 100
 111 40.8 18.1 54.1
 148 64.5 32.0 96.0

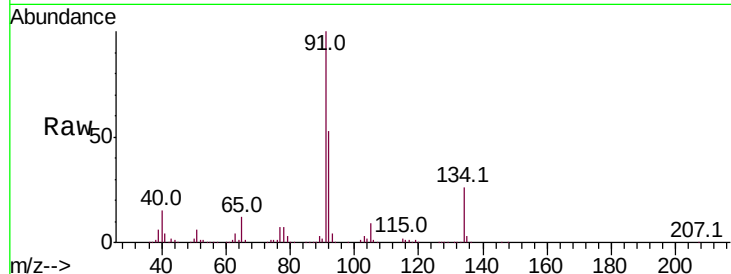




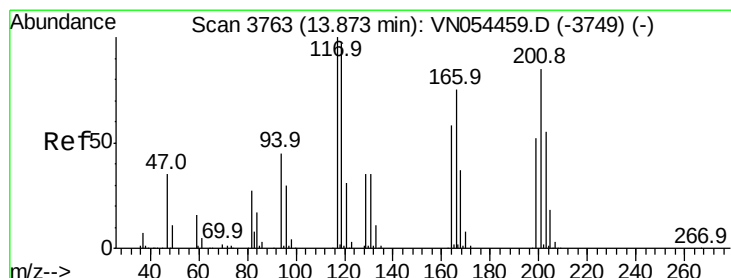
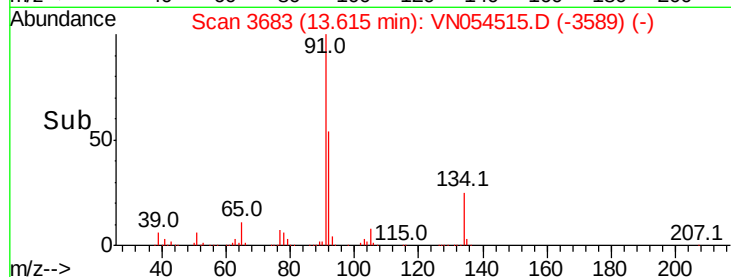
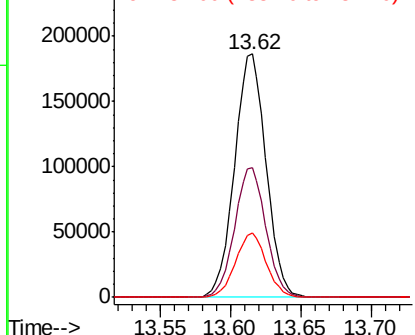
#89
n-Butylbenzene
Concen: 19.295 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

Tot Ion: 91 Resp: 291658
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.6
134 25.9 14.3 42.9

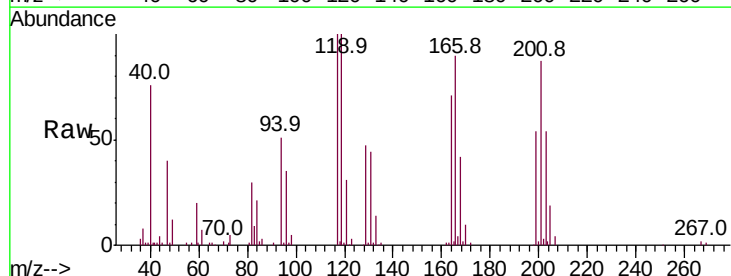


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

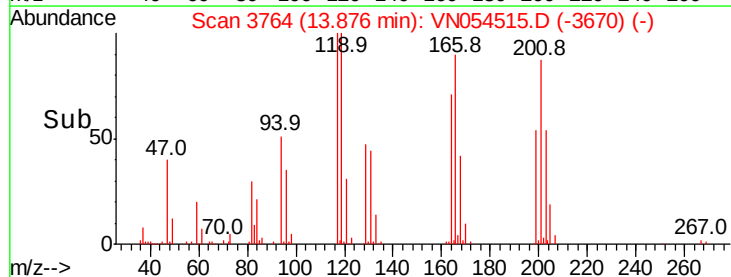
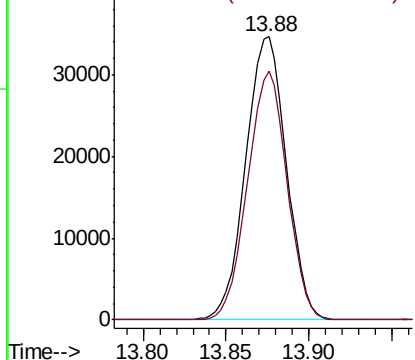


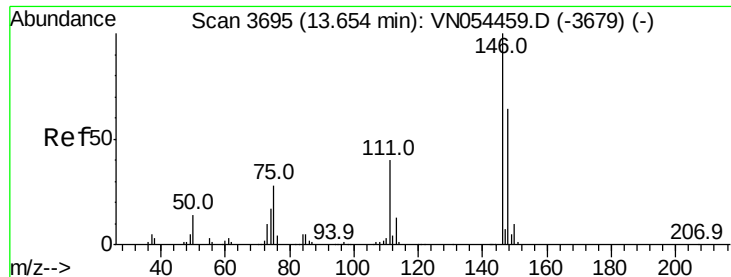
#90
Hexachloroethane
Concen: 19.694 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion: 117 Resp: 59094
Ion Ratio Lower Upper
117 100
201 85.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

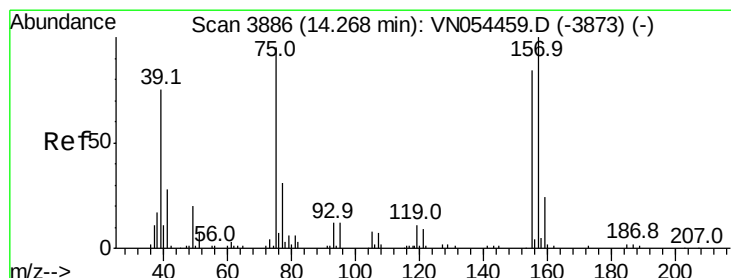
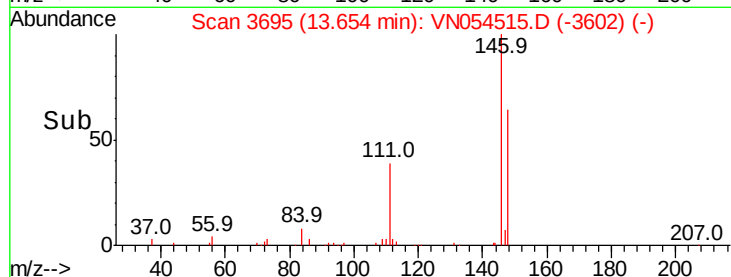
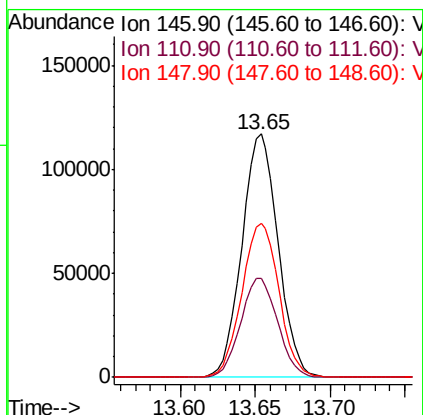
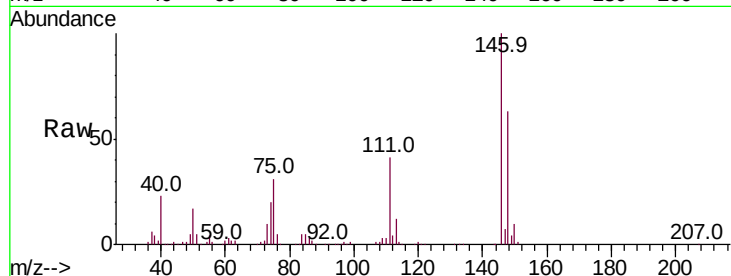




#91
 1,2-Dichlorobenzene
 Concen: 20.352 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

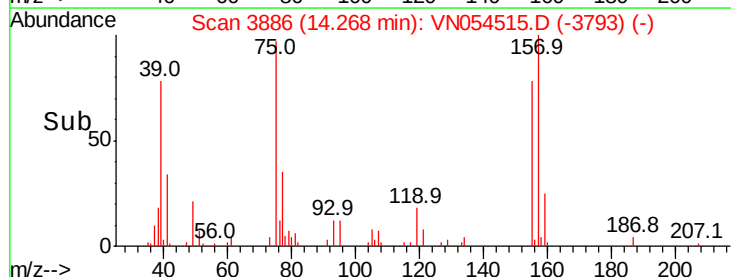
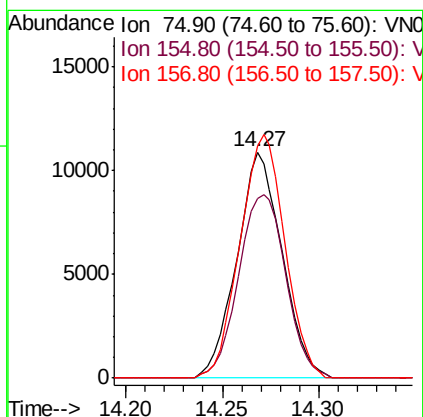
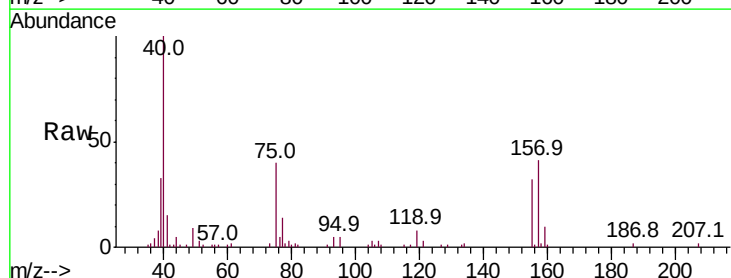
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

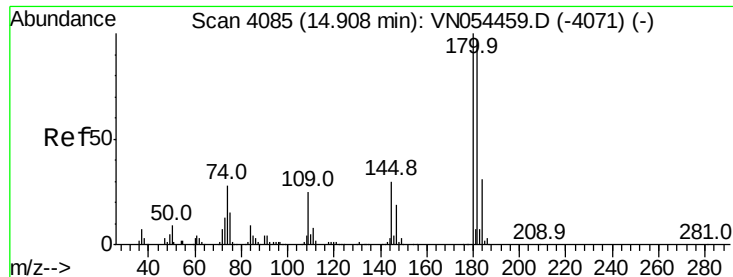
Tot Ion:146 Resp: 196852
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.1 57.3
 148 64.9 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.757 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054515.D
 Acq: 21 Mar 2019 17:05

Tgt Ion: 75 Resp: 17700
 Ion Ratio Lower Upper
 75 100
 155 84.8 50.1 150.3
 157 106.9 63.1 189.3





#93

1,2,4-Trichlorobenzene

Concen: 19.009 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBS01

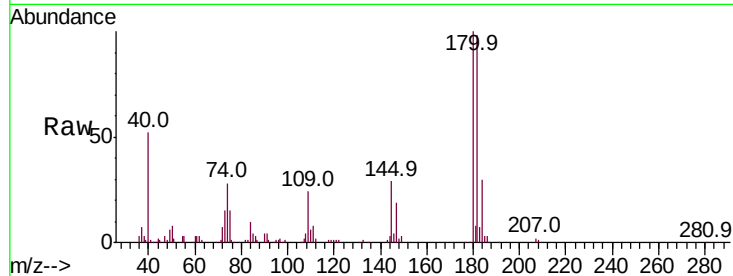
Tot Ion:180 Resp: 91655

Ion Ratio Lower Upper

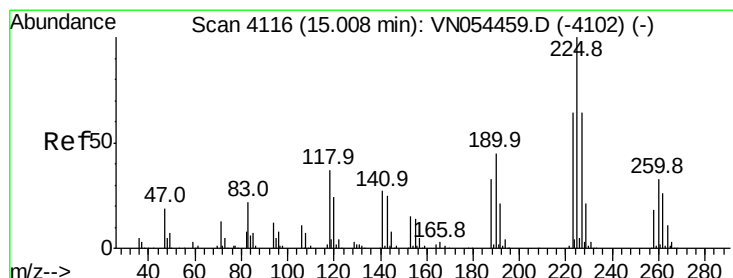
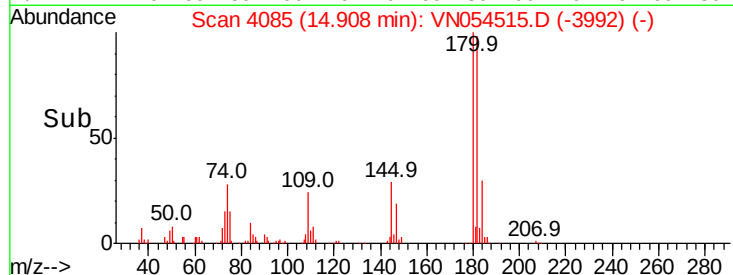
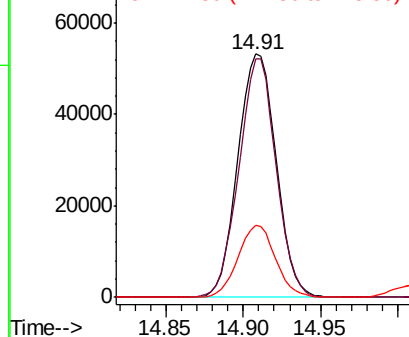
180 100

182 95.2 48.0 144.2

145 28.9 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.277 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN054515.D

Acq: 21 Mar 2019 17:05

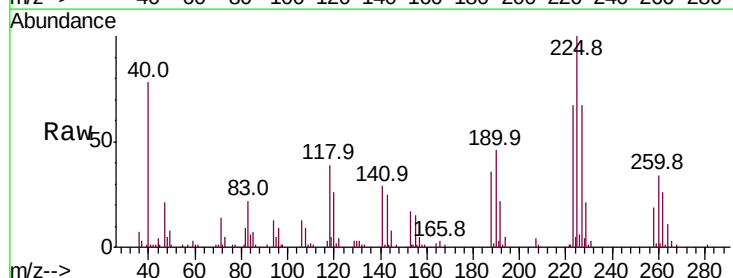
Tgt Ion:225 Resp: 56349

Ion Ratio Lower Upper

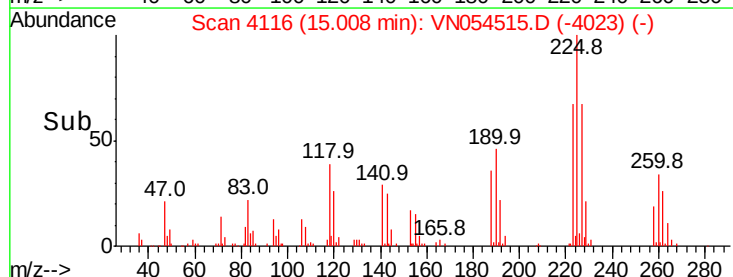
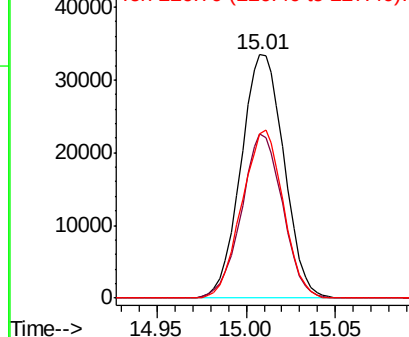
225 100

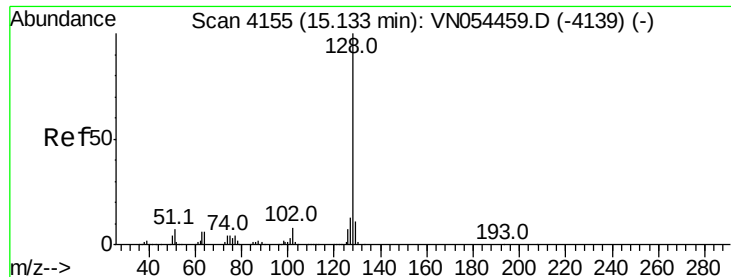
223 64.4 31.1 93.5

227 66.2 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

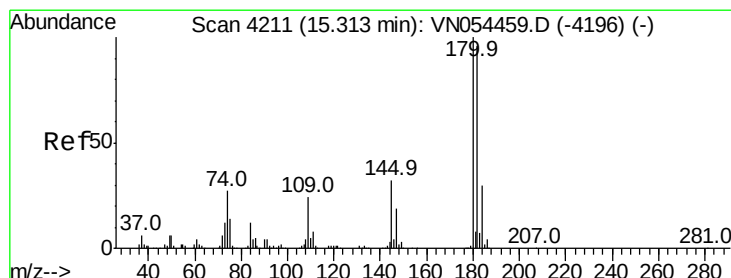
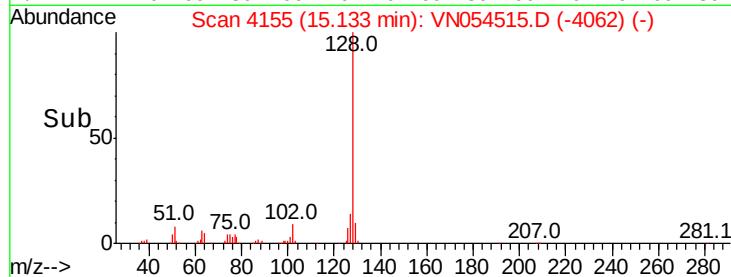
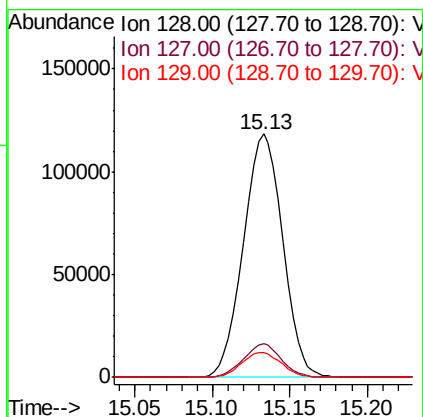
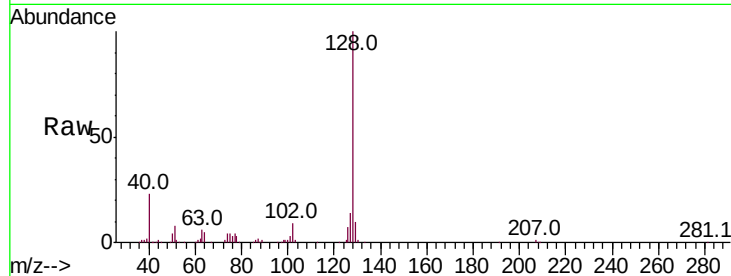




#95
Naphthalene
Concen: 19.499 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	10.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.673 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054515.D
Acq: 21 Mar 2019 17:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	30.3	14.8	44.3

