

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054409.D
 Acq On : 18 Mar 2019 23:06
 Operator : JC/SP
 Sample : VN0318WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:16:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1186381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1829653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	717899	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	639762	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	7.59	113	603737	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.09	98	2148128	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	709560	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	225068	20.017	ug/l	98
3) Chloromethane	2.06	50	214647	19.653	ug/l	100
4) Vinyl Chloride	2.19	62	242173	19.399	ug/l	98
5) Bromomethane	2.57	94	167918	19.422	ug/l	98
6) Chloroethane	2.71	64	144098	19.078	ug/l	100
7) Trichlorofluoromethane	3.02	101	312511	18.829	ug/l	98
8) Diethyl Ether	3.41	74	161914	21.408	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	249353	20.049	ug/l	99
10) Methyl Iodide	3.94	142	330297	19.637	ug/l	98
11) Tert butyl alcohol	4.82	59	77012	89.161	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	249920	20.277	ug/l	97
13) Acrolein	3.61	56	56230	68.701	ug/l	99
14) Allyl chloride	4.32	41	307786	19.463	ug/l	99
15) Acrylonitrile	5.00	53	396895	111.864	ug/l	99
16) Acetone	3.82	43	275017	76.235	ug/l	100
17) Carbon Disulfide	4.04	76	492191	15.930	ug/l	98
18) Methyl Acetate	4.33	43	185533	25.420	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	655175	21.446	ug/l	99
20) Methylene Chloride	4.54	84	254481	21.484	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	242574	20.541	ug/l	100
22) Diisopropyl ether	5.96	45	681741	21.601	ug/l	98
23) Vinyl Acetate	5.90	43	2311240	99.321	ug/l	99
24) 1,1-Dichloroethane	5.85	63	435123	21.472	ug/l	99
25) 2-Butanone	6.85	43	442215	104.441	ug/l	99
26) 2,2-Dichloropropane	6.82	77	258269	14.492	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	288038	21.863	ug/l	95
28) Bromochloromethane	7.19	49	171843	20.743	ug/l	98
29) Tetrahydrofuran	7.22	42	297746	109.370	ug/l	98
30) Chloroform	7.37	83	466328	22.052	ug/l	99
31) Cyclohexane	7.65	56	382211	19.423	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	387581	20.294	ug/l	99
36) 1,1-Dichloropropene	7.79	75	322070	19.114	ug/l	98
37) Ethyl Acetate	6.94	43	191073	19.736	ug/l	98
38) Carbon Tetrachloride	7.77	117	334994	18.959	ug/l	99

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Quant Time: Mar 19 05:16:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363773	17.547	ug/l	99
40) Benzene	8.04	78	1036811	21.503	ug/l	99
41) Methacrylonitrile	7.18	41	104698	18.940	ug/l	92
42) 1,2-Dichloroethane	8.12	62	338014	20.764	ug/l	99
43) Isopropyl Acetate	8.17	43	315608	18.572	ug/l	98
44) Trichloroethene	8.83	130	304072	20.301	ug/l	99
45) 1,2-Dichloropropane	9.12	63	264481	22.090	ug/l	98
46) Dibromomethane	9.21	93	171198	21.163	ug/l	99
47) Bromodichloromethane	9.40	83	328933	20.283	ug/l	99
48) Methyl methacrylate	9.20	41	175543	20.355	ug/l	99
49) 1,4-Dioxane	9.20	88	52155	427.548	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	956181	106.323	ug/l	99
52) Toluene	10.16	92	634676	20.760	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	277694	16.363	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	352669	18.662	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249310	22.333	ug/l	98
56) Ethyl methacrylate	10.43	69	268749	20.190	ug/l	97
57) 1,3-Dichloropropane	10.71	76	394965	21.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	505421	98.459	ug/l	99
59) 2-Hexanone	10.75	43	579209	96.792	ug/l	97
60) Dibromochloromethane	10.90	129	246904	19.650	ug/l	99
61) 1,2-Dibromoethane	11.01	107	236682	20.864	ug/l	98
64) Tetrachloroethene	10.63	164	315041	20.461	ug/l	99
65) Chlorobenzene	11.43	112	732516	20.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	263533	20.746	ug/l	99
67) Ethyl Benzene	11.51	91	1191028	20.548	ug/l	100
68) m/p-Xylenes	11.62	106	932350	41.154	ug/l	99
69) o-Xylene	11.95	106	471934	21.369	ug/l	97
70) Styrene	11.96	104	714561	20.630	ug/l	99
71) Bromoform	12.13	173	154703	17.576	ug/l #	99
73) Isopropylbenzene	12.25	105	1212236	21.106	ug/l	99
74) N-amyl acetate	12.07	43	251234	19.706	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	275470	22.511	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	309305	29.298	ug/l #	100
77) Bromobenzene	12.53	156	323140	21.261	ug/l	98
78) n-propylbenzene	12.59	91	1290942	20.714	ug/l	99
79) 2-Chlorotoluene	12.67	91	792753	21.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	975128	20.411	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42164	13.653	ug/l #	84
82) 4-Chlorotoluene	12.77	91	770176	20.583	ug/l	100
83) tert-Butylbenzene	12.99	119	915405	20.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	986589	21.050	ug/l	100
85) sec-Butylbenzene	13.17	105	1116456	19.577	ug/l	100
86) p-Isopropyltoluene	13.29	119	959736	19.183	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	529818	20.688	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	501252	19.924	ug/l	98
89) n-Butylbenzene	13.61	91	668719	17.591	ug/l	99
90) Hexachloroethane	13.87	117	147439	17.797	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	539661	21.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36314	19.177	ug/l	95

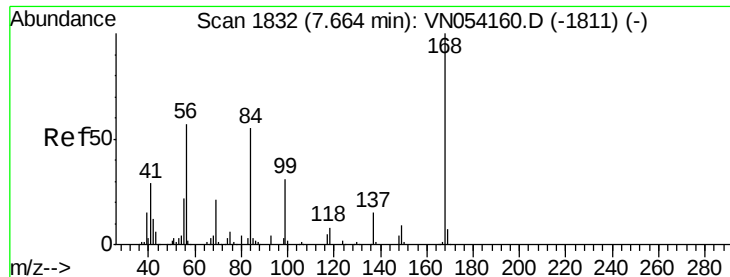
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233678	17.198	ug/l	98
94) Hexachlorobutadiene	15.01	225	157419	16.507	ug/l	98
95) Naphthalene	15.13	128	498540	18.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238906	17.960	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

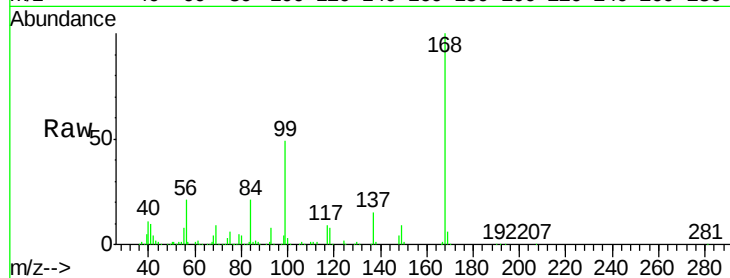
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1186381

Ion Ratio Lower Upper

168 100

99 48.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

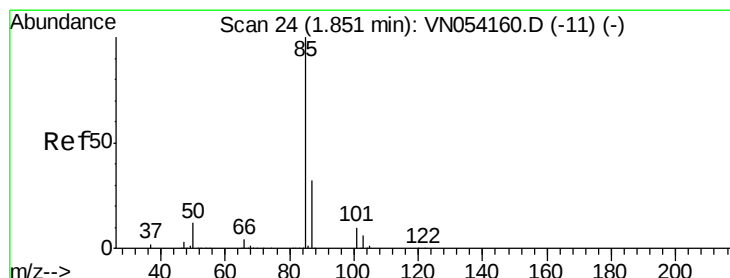
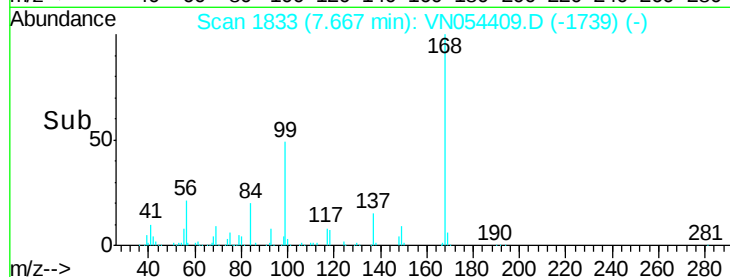
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.017 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054409.D

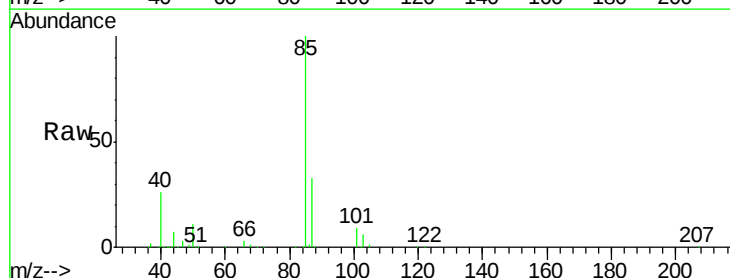
Acq: 18 Mar 2019 23:06

Tgt Ion: 85 Resp: 225068

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

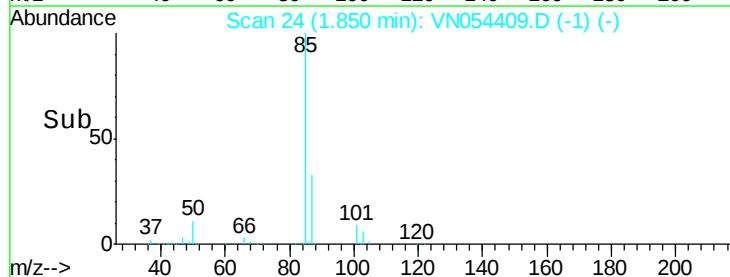
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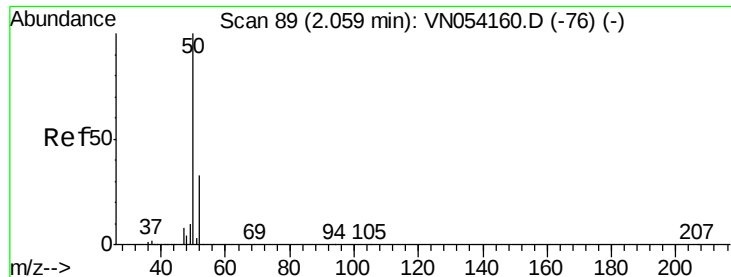
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.653 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

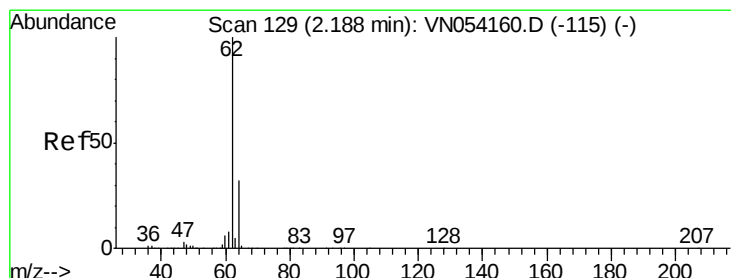
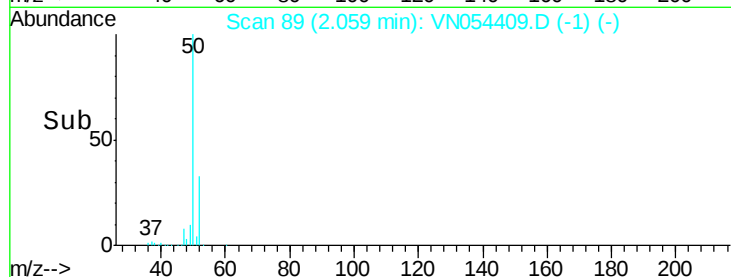
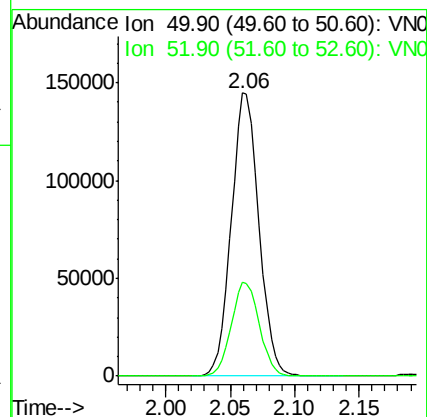
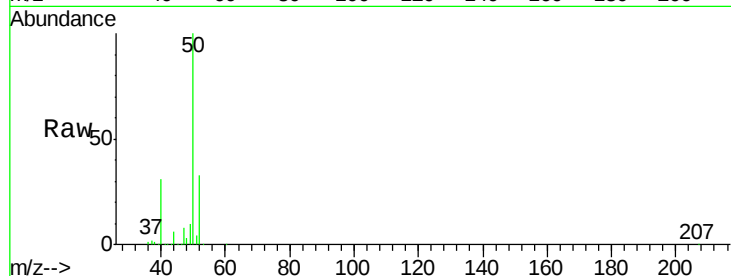
ClientSampled :

Tot Ion: 50 Resp: 214647

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6



#4

Vinyl Chloride

Concen: 19.399 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054409.D

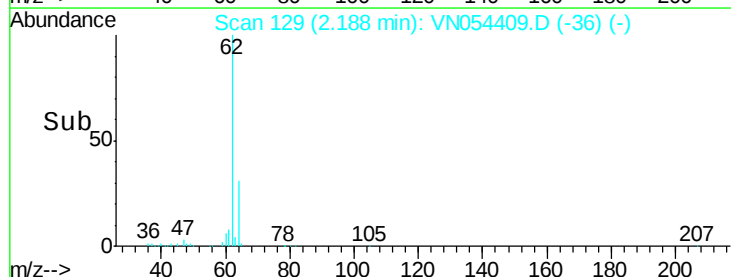
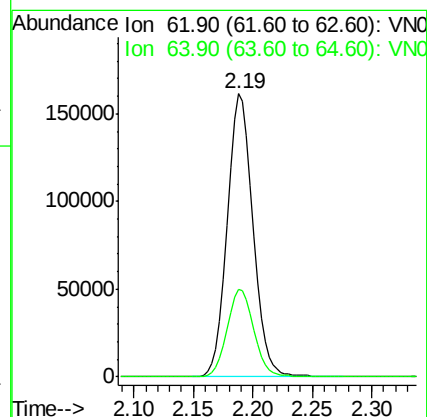
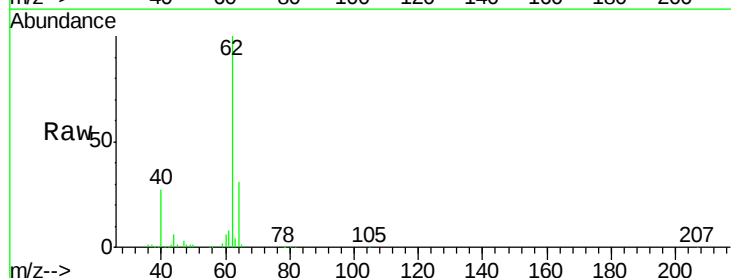
Acq: 18 Mar 2019 23:06

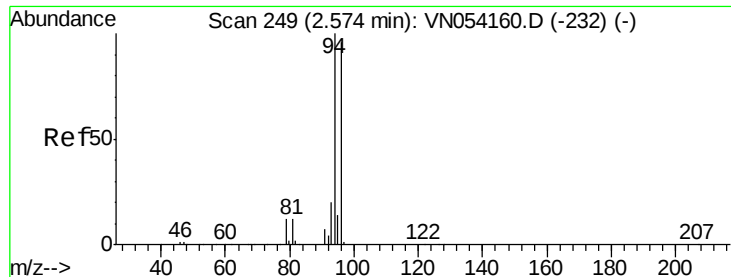
Tgt Ion: 62 Resp: 242173

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 19.422 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

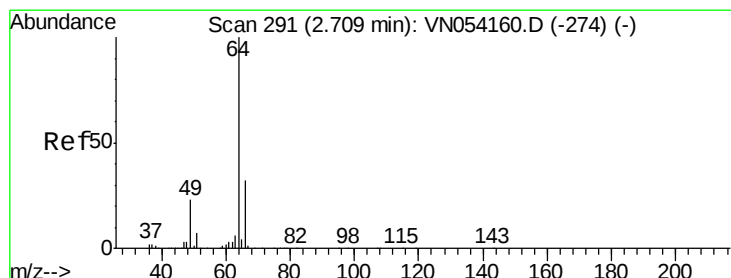
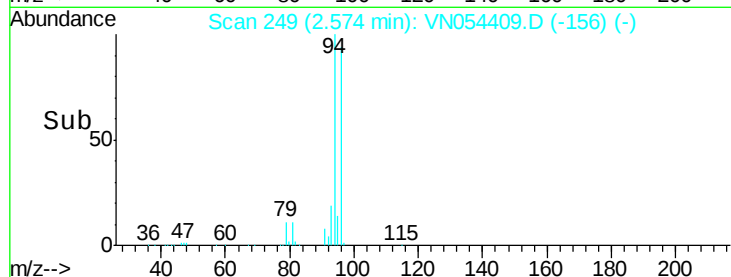
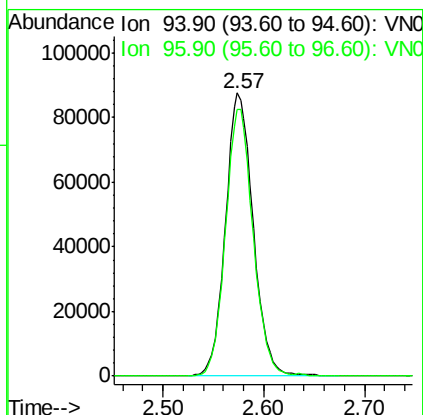
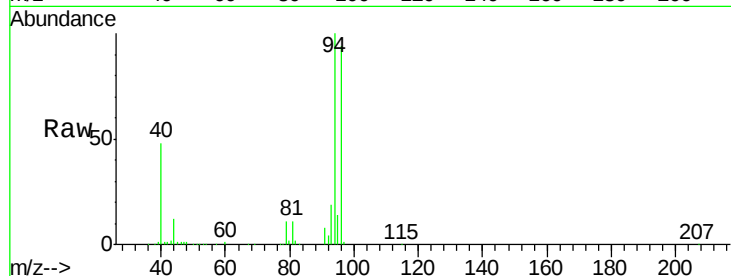
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 167918

Ion Ratio Lower Upper

94 100

96 94.4 77.0 115.4



#6

Chloroethane

Concen: 19.078 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054409.D

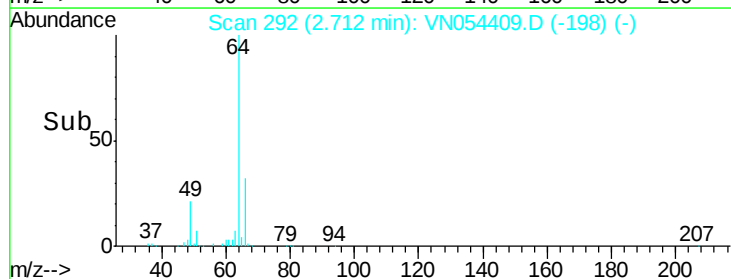
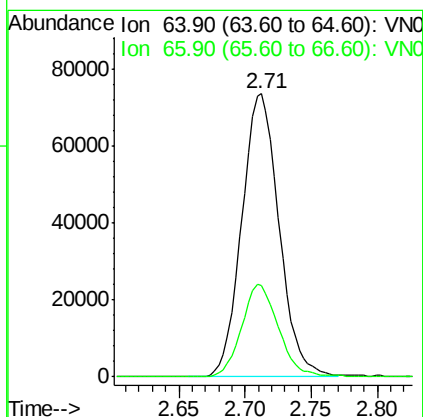
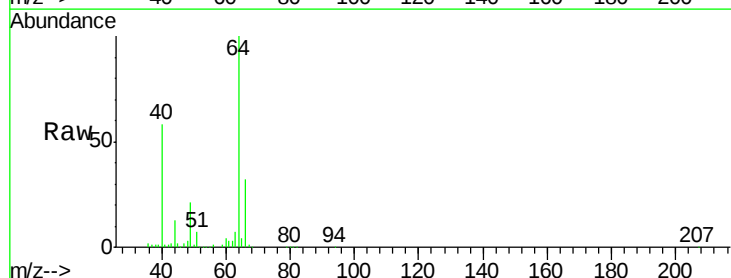
Acq: 18 Mar 2019 23:06

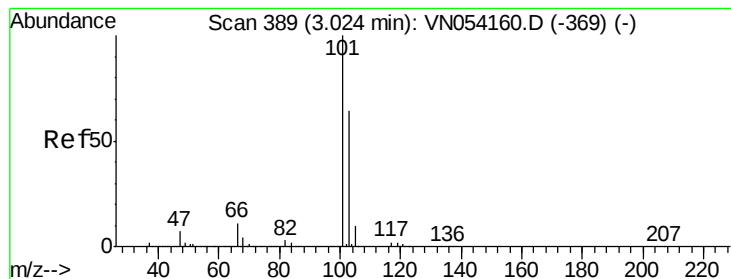
Tgt Ion: 64 Resp: 144098

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



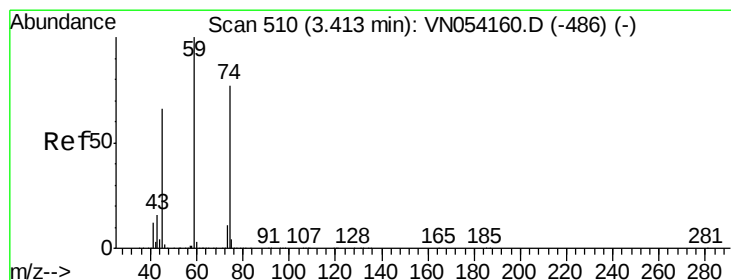
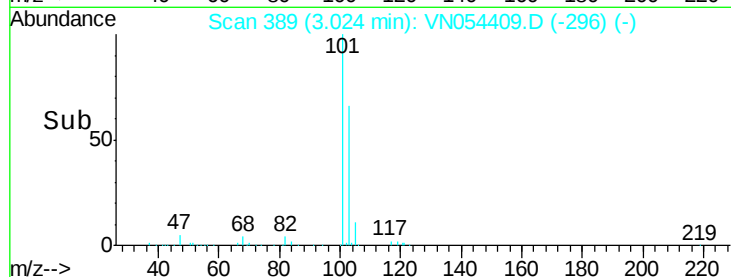
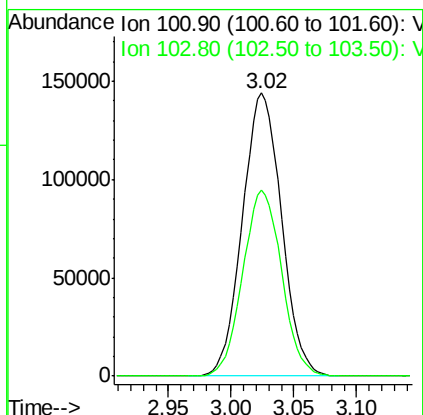
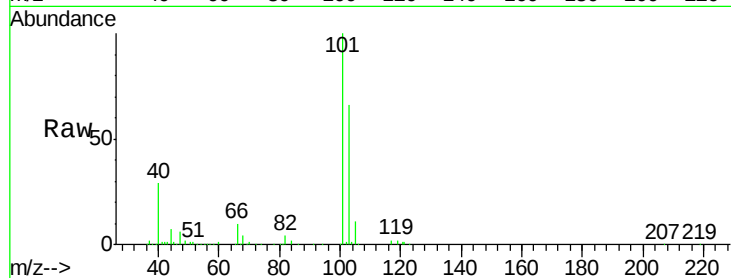


#7

Trichlorofluoromethane
 Concen: 18.829 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :

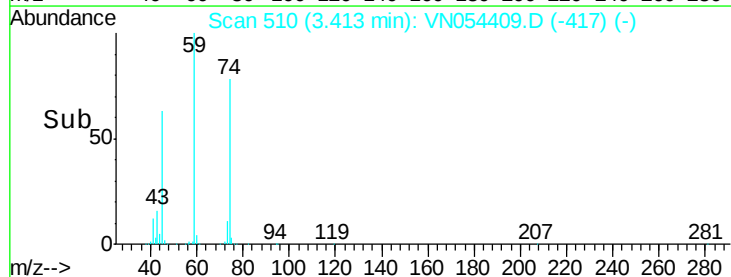
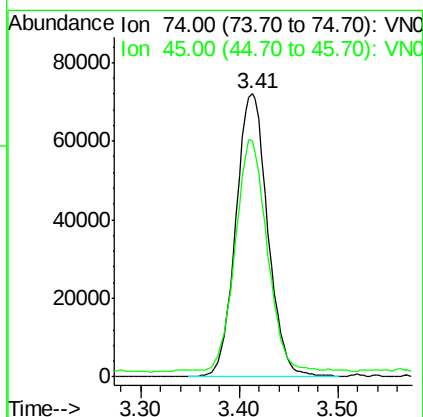
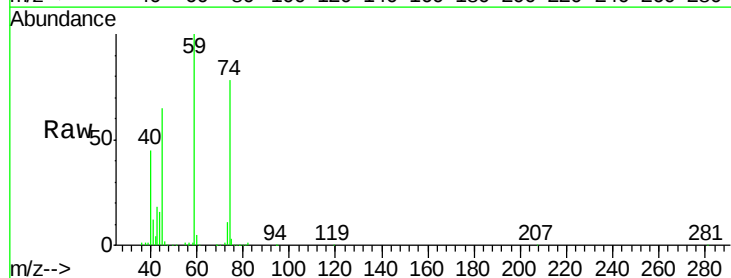
Tot Ion:101 Resp: 312511
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.2

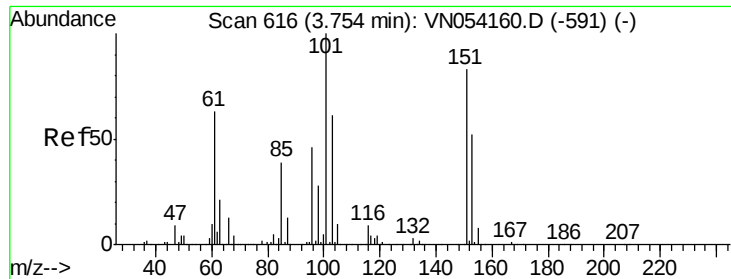


#8

Diethyl Ether
 Concen: 21.408 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 74 Resp: 161914
 Ion Ratio Lower Upper
 74 100
 45 80.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.049 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

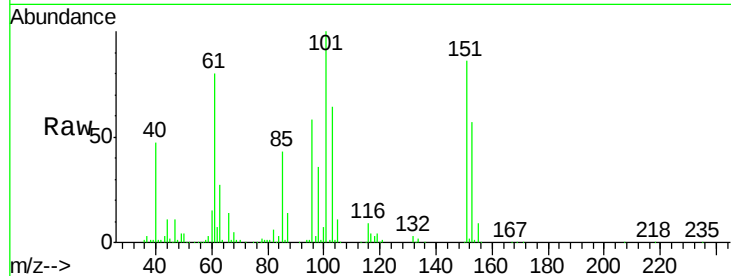
Tot Ion:101 Resp: 249353

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

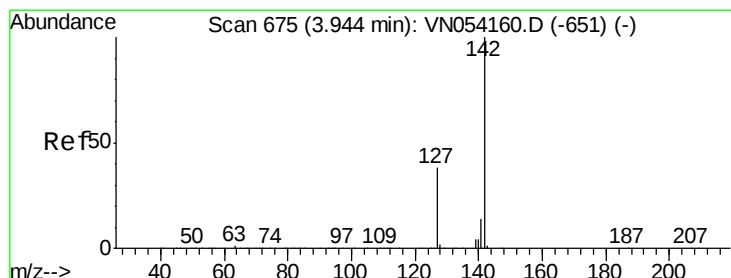
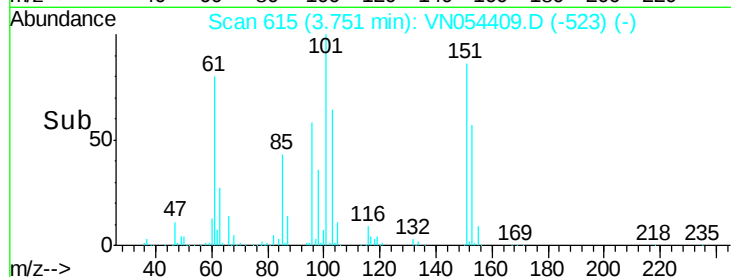
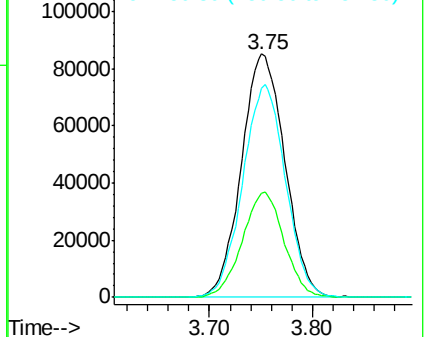
151 86.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.637 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

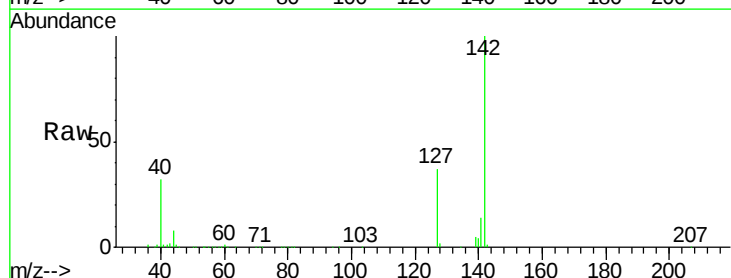
Tgt Ion:142 Resp: 330297

Ion Ratio Lower Upper

142 100

127 36.7 30.3 45.5

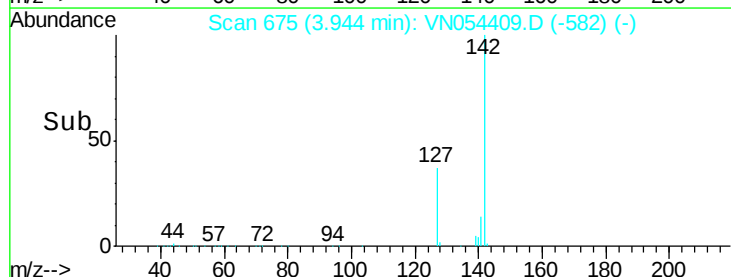
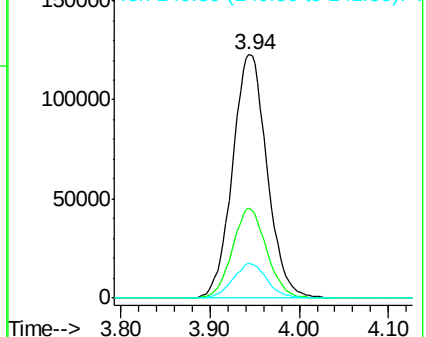
141 13.9 11.2 16.8

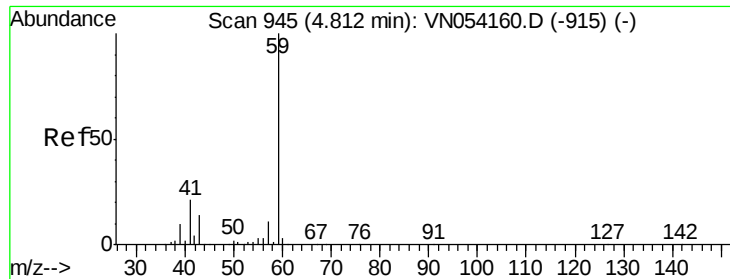


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



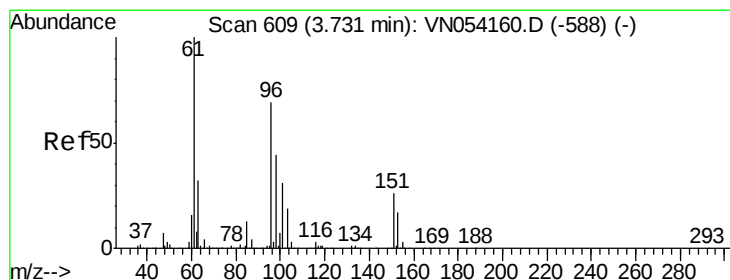
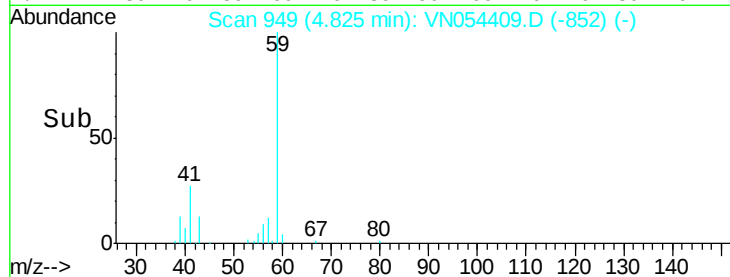
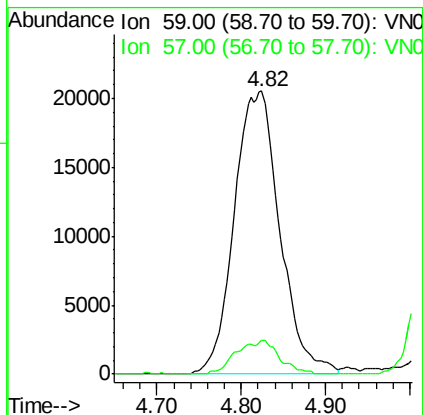
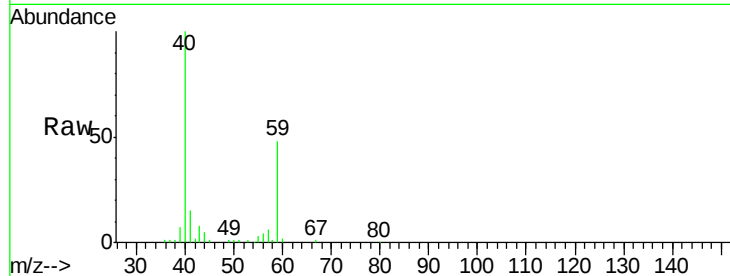


#11

Tert butyl alcohol
Concen: 89.161 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

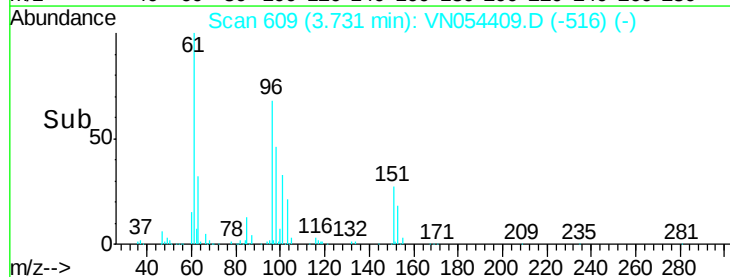
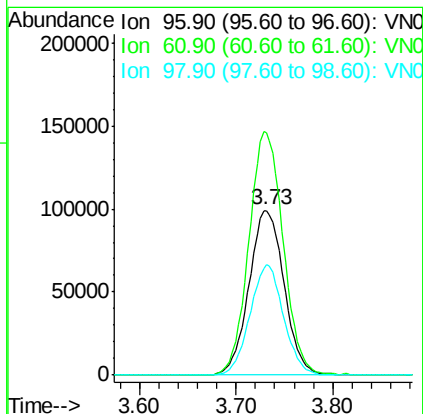
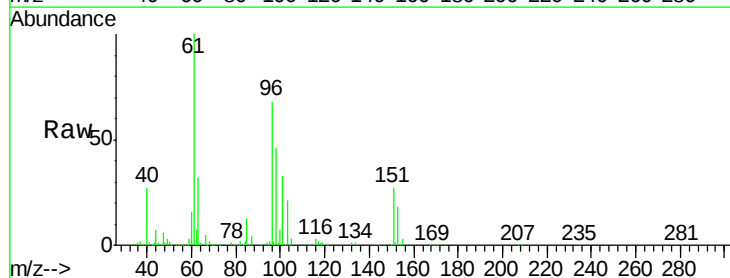
Tot Ion: 59 Resp: 77012
Ion Ratio Lower Upper
59 100
57 5.7 9.0 13.6#



#12

1,1-Dichloroethene
Concen: 20.277 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 96 Resp: 249920
Ion Ratio Lower Upper
96 100
61 147.7 116.5 174.7
98 67.3 51.0 76.4





#13

Acrolein

Concen: 68.701 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

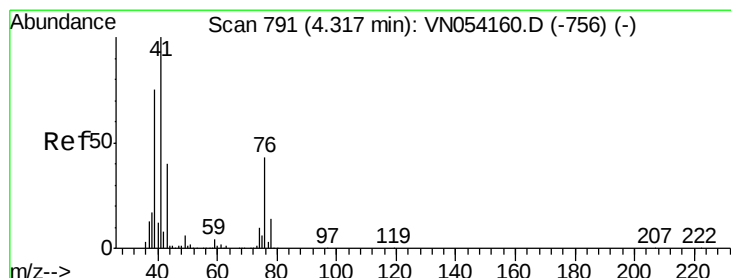
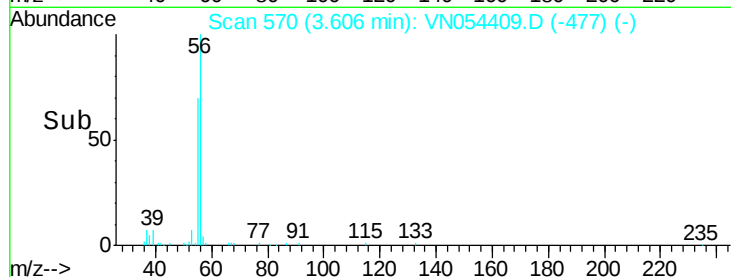
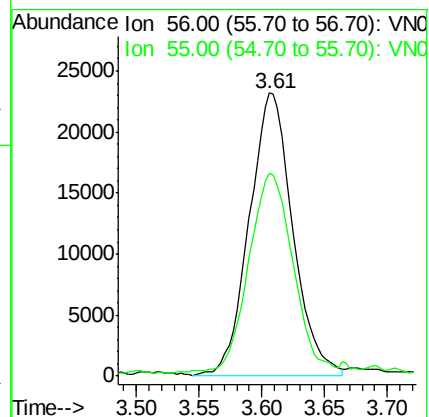
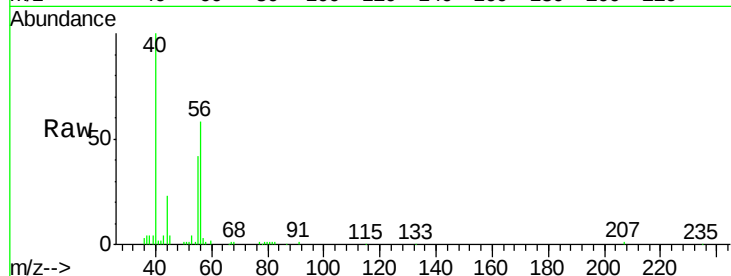
ClientSampled :

Tot Ion: 56 Resp: 56230

Ion Ratio Lower Upper

56 100

55 71.5 56.7 85.1



#14

Allyl chloride

Concen: 19.463 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

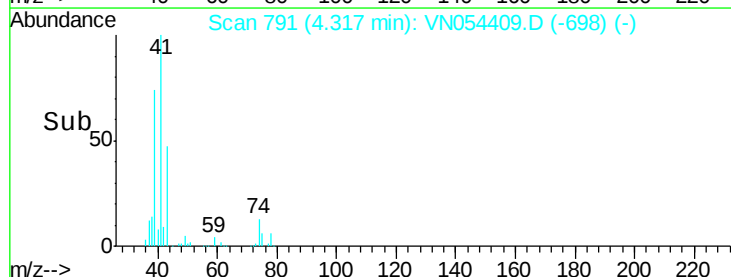
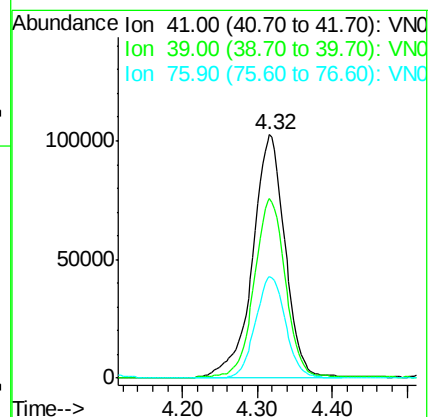
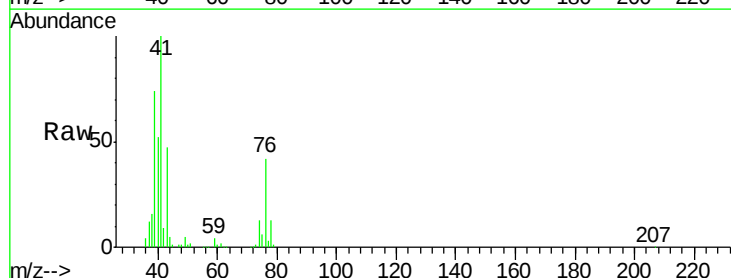
Tgt Ion: 41 Resp: 307786

Ion Ratio Lower Upper

41 100

39 72.1 58.2 87.4

76 38.9 31.7 47.5





#15

Acrylonitrile

Concen: 111.864 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

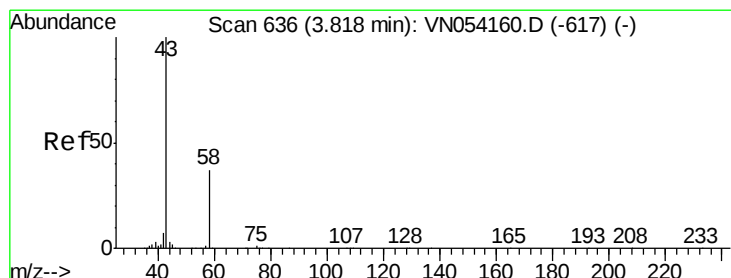
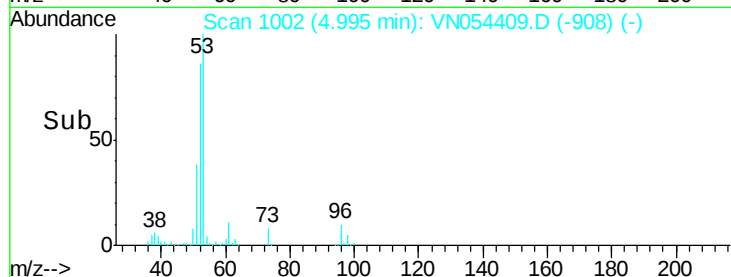
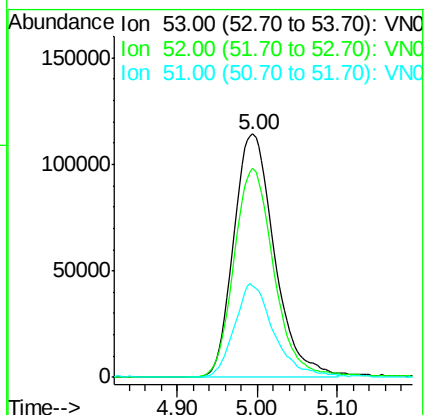
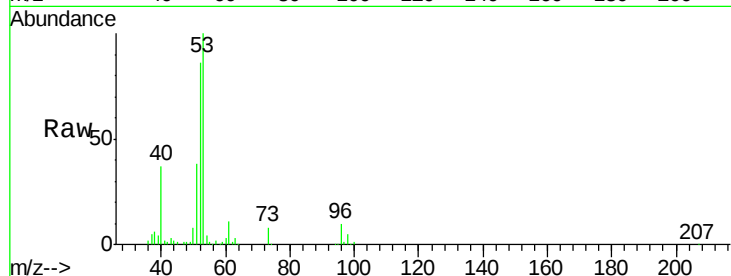
Tot Ion: 53 Resp: 396895

Ion Ratio Lower Upper

53 100

52 83.6 66.4 99.6

51 37.3 29.6 44.4



#16

Acetone

Concen: 76.235 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054409.D

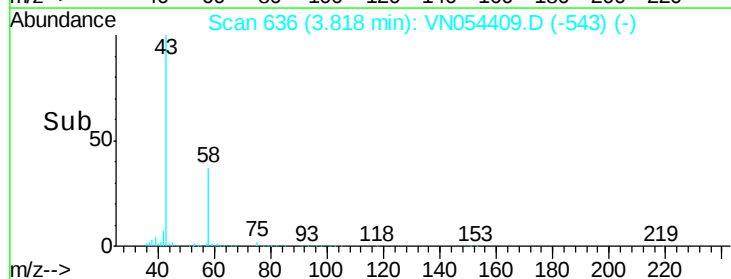
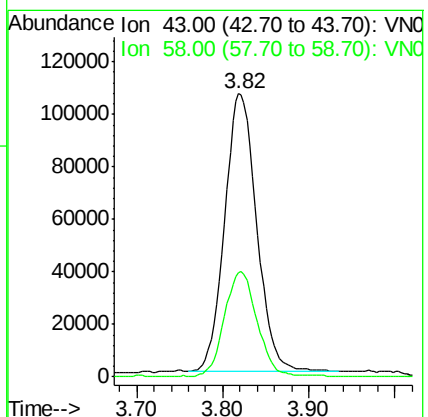
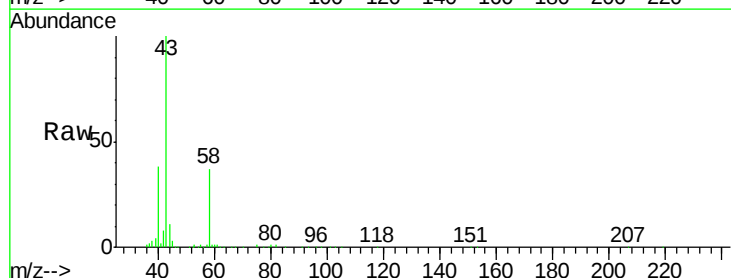
Acq: 18 Mar 2019 23:06

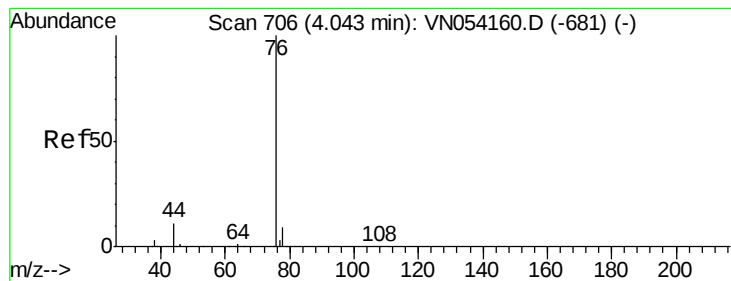
Tgt Ion: 43 Resp: 275017

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9





#17

Carbon Disulfide

Concen: 15.930 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

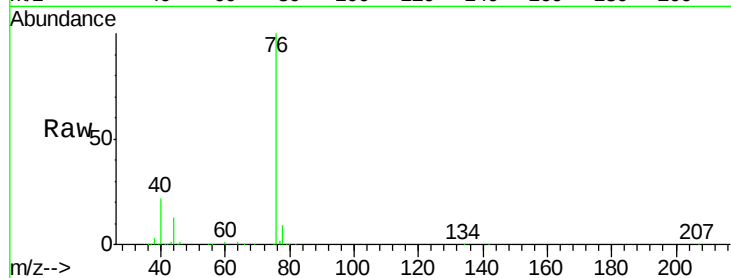
ClientSampled :

Tot Ion: 76 Resp: 492191

Ion Ratio Lower Upper

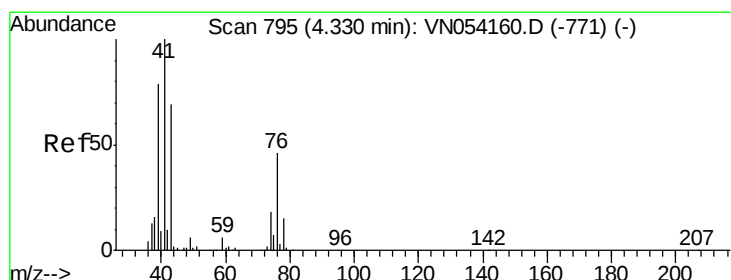
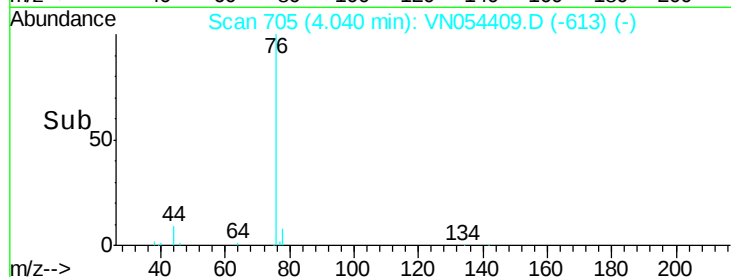
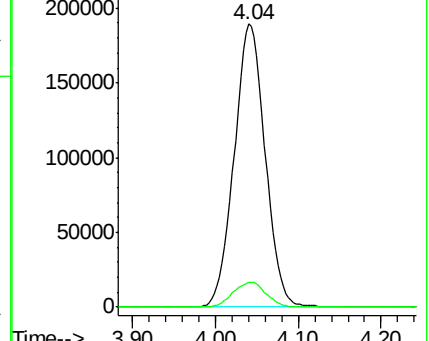
76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 25.420 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054409.D

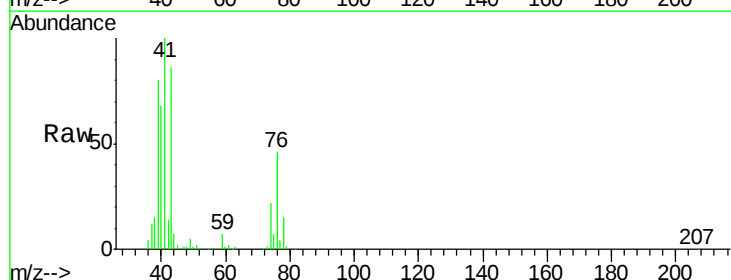
Acq: 18 Mar 2019 23:06

Tgt Ion: 43 Resp: 185533

Ion Ratio Lower Upper

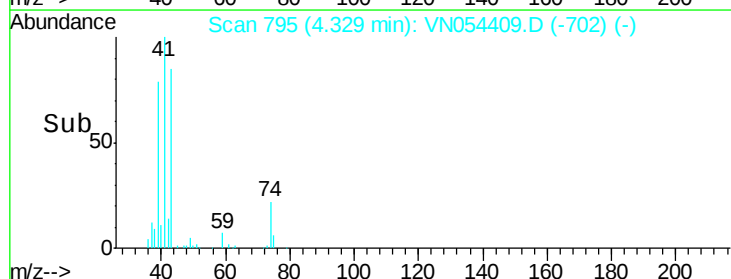
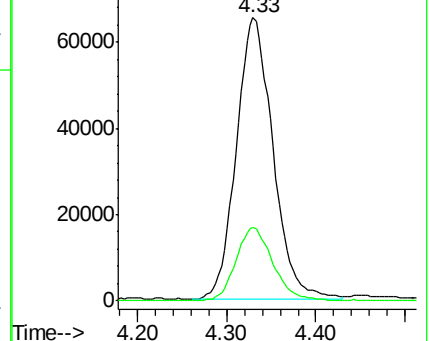
43 100

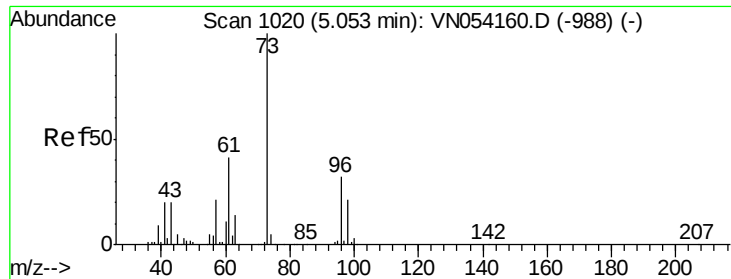
74 26.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC



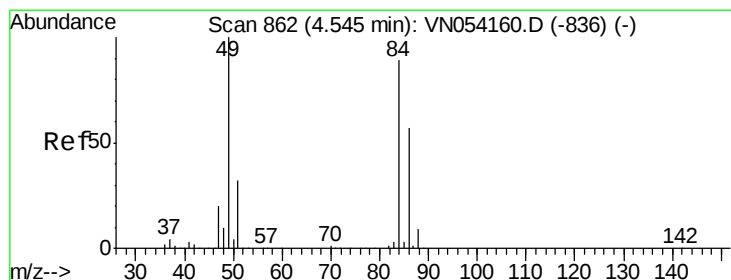
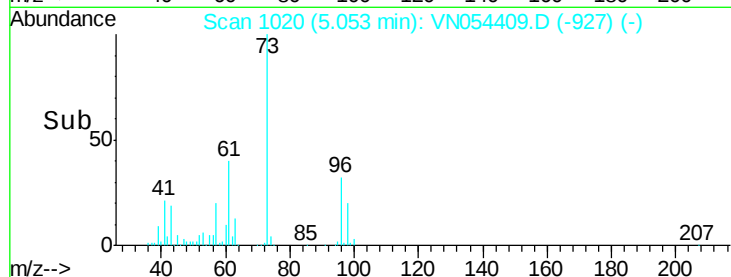
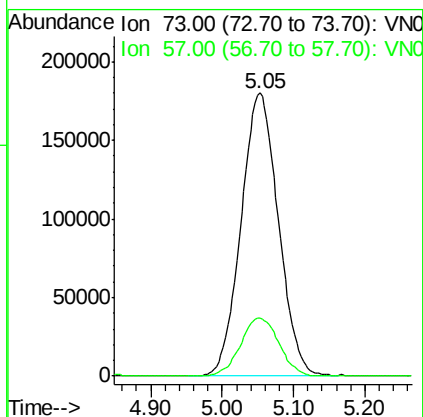
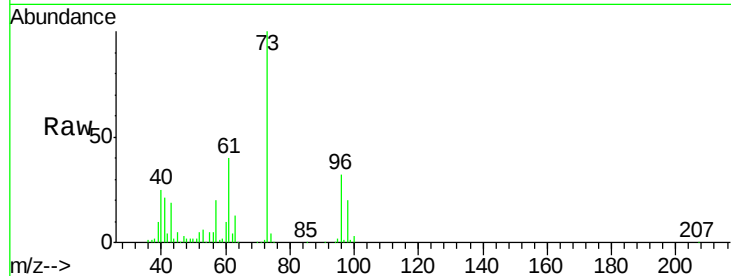


#19

Methyl tert-butyl Ether
 Concen: 21.446 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampled :

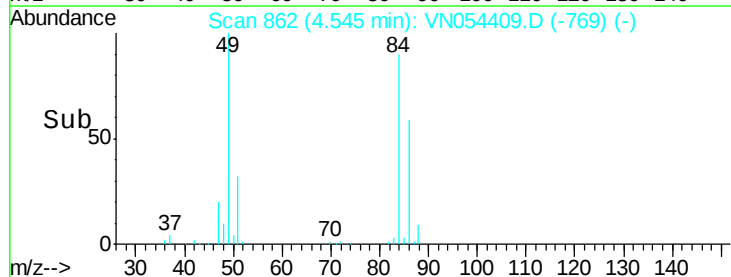
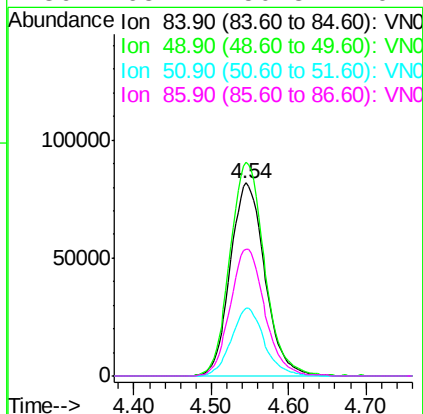
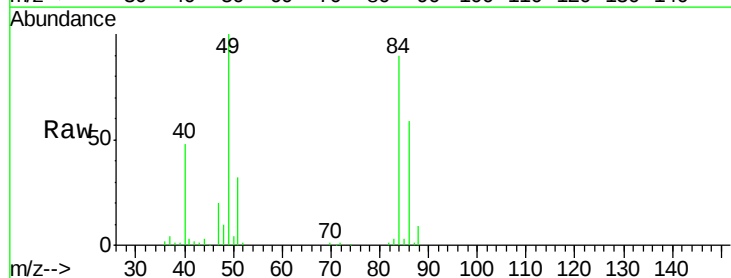
Tot Ion: 73 Resp: 655175
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.8 25.2



#20

Methylene Chloride
 Concen: 21.484 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 84 Resp: 254481
 Ion Ratio Lower Upper
 84 100
 49 110.7 89.7 134.5
 51 34.9 28.2 42.4
 86 65.7 50.8 76.2



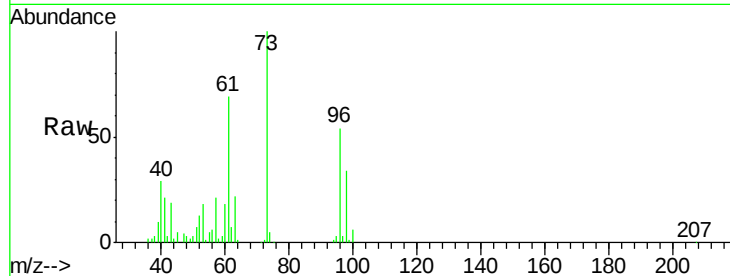


#21

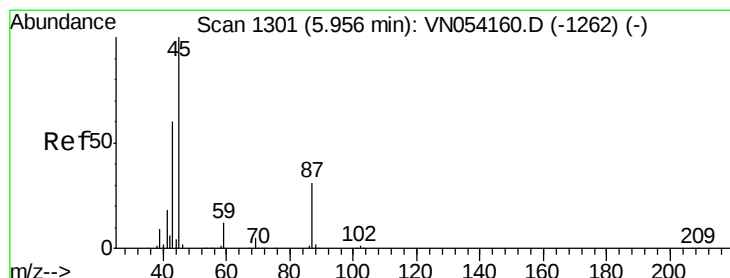
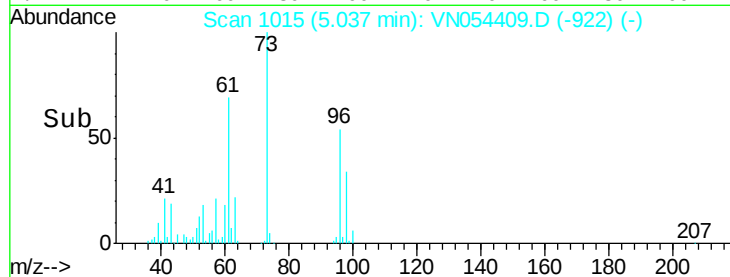
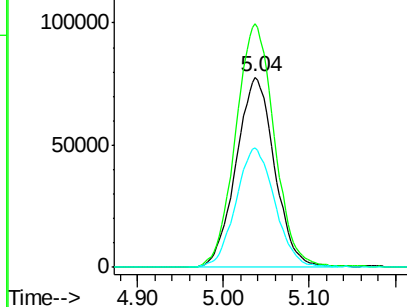
trans-1,2-Dichloroethene
Concen: 20.541 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 242574
Ion Ratio Lower Upper
96 100
61 128.0 102.8 154.2
98 62.8 50.0 75.0



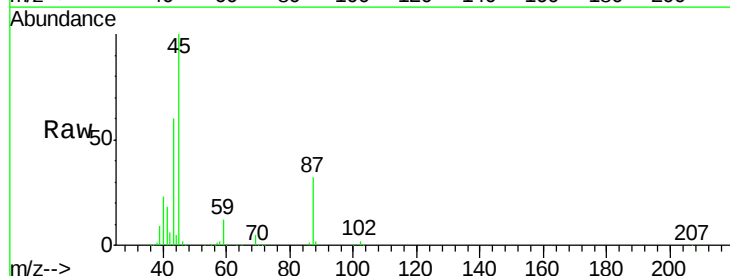
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



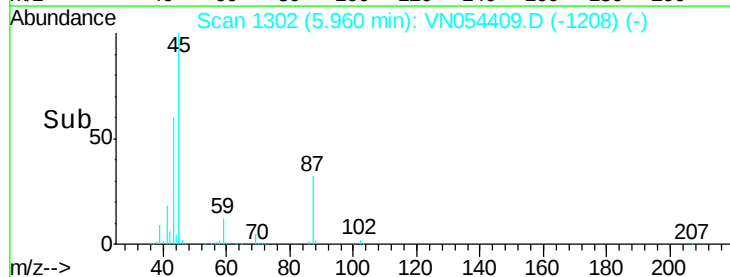
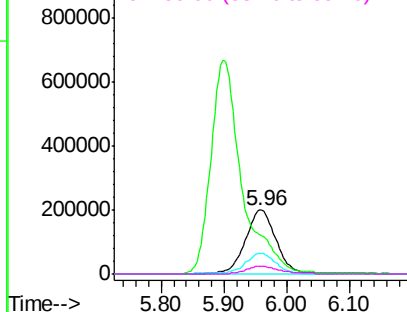
#22

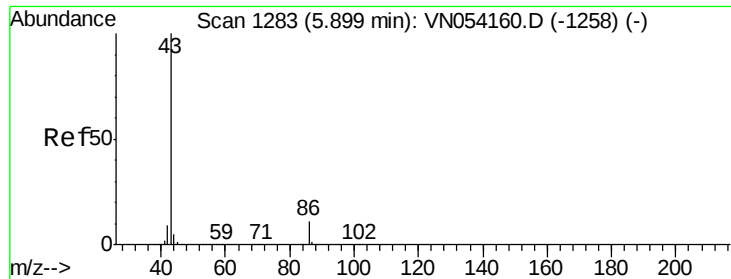
Diisopropyl ether
Concen: 21.601 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 45 Resp: 681741
Ion Ratio Lower Upper
45 100
43 58.1 48.2 72.2
87 31.6 24.9 37.3
59 11.7 9.5 14.3



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





#23

Vinyl Acetate

Concen: 99.321 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

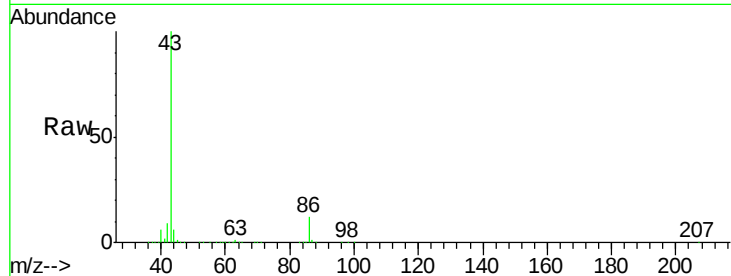
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2311240

Ion Ratio Lower Upper

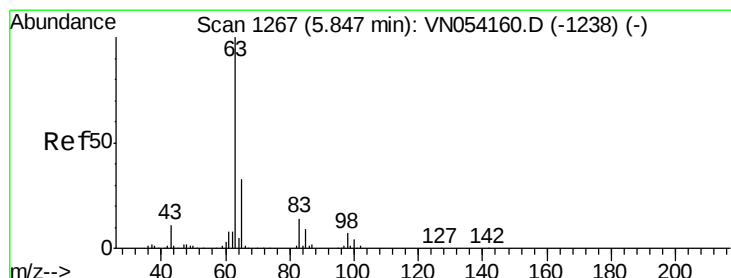
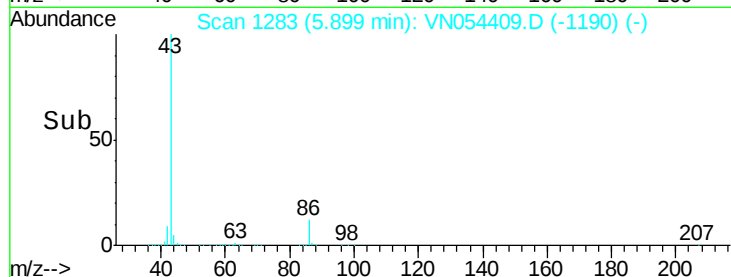
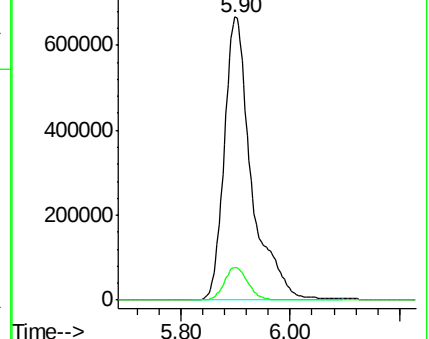
43 100

86 11.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.472 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

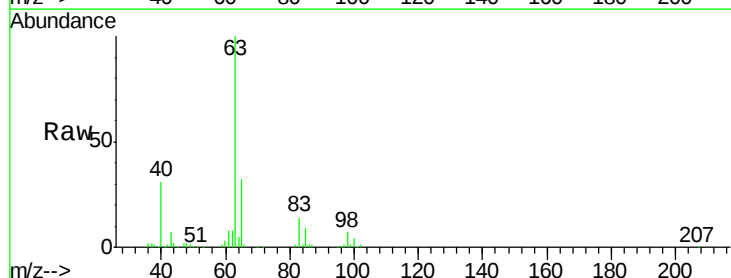
Tgt Ion: 63 Resp: 435123

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

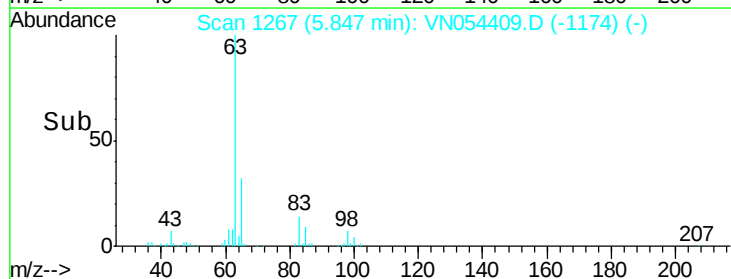
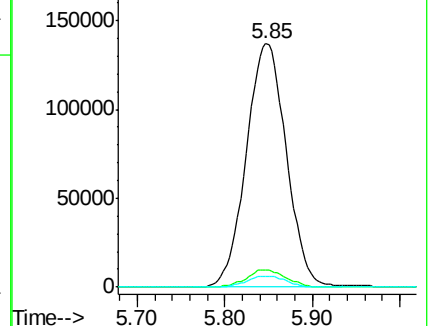
100 4.4 2.0 6.0

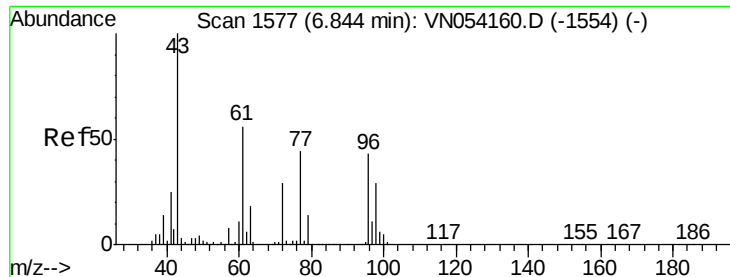


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.441 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

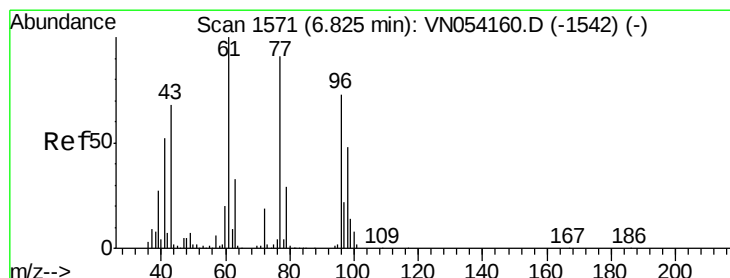
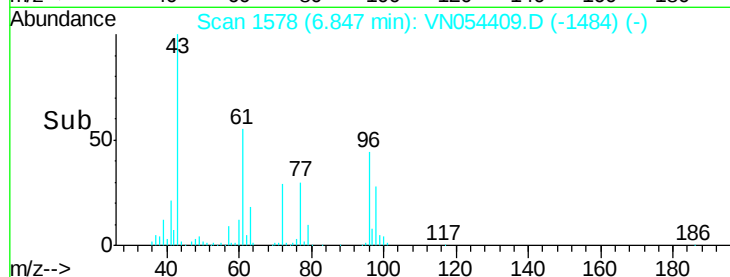
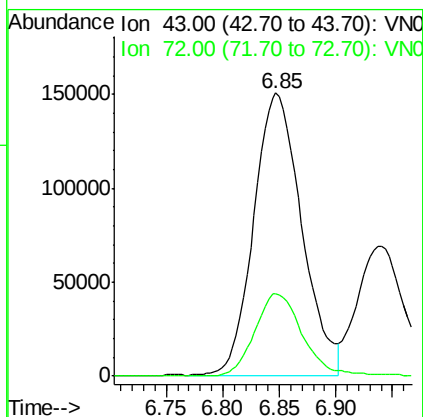
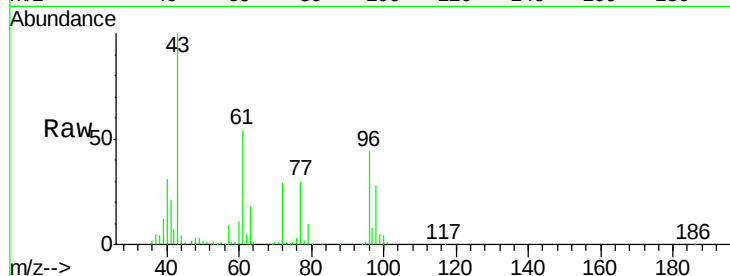
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 442215

Ion Ratio Lower Upper

43 100

72 29.4 23.0 34.6



#26

2,2-Dichloropropane

Concen: 14.492 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054409.D

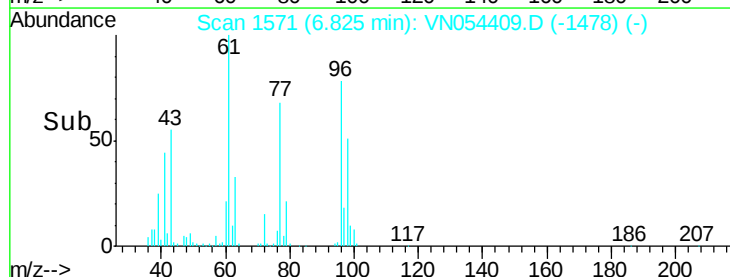
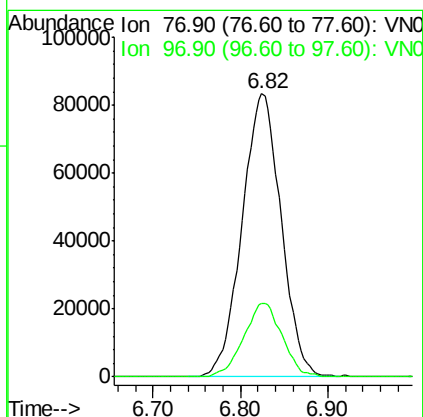
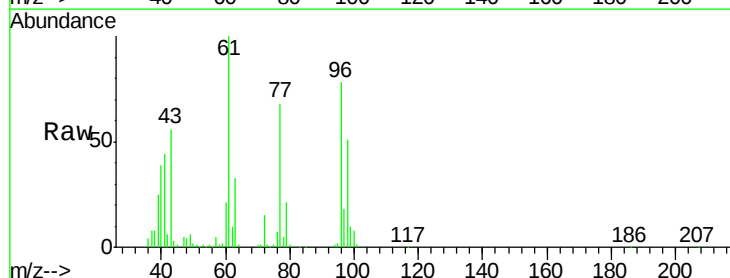
Acq: 18 Mar 2019 23:06

Tgt Ion: 77 Resp: 258269

Ion Ratio Lower Upper

77 100

97 25.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.863 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :

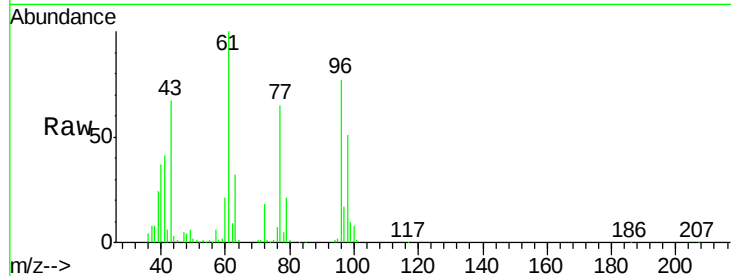
Tot Ion: 96 Resp: 288038

Ion Ratio Lower Upper

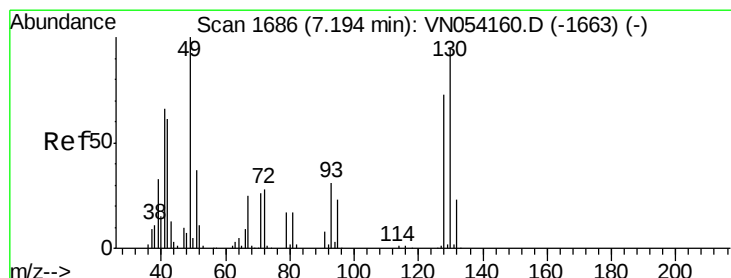
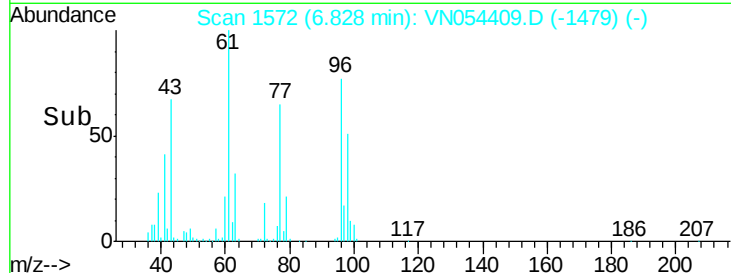
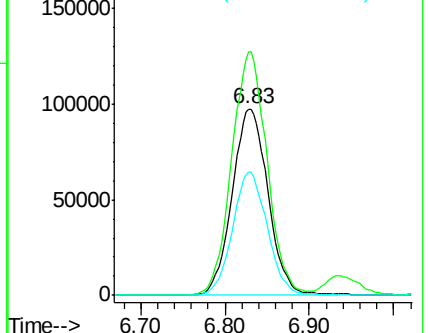
96 100

61 129.1 0.0 273.0

98 64.2 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: 20.743 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

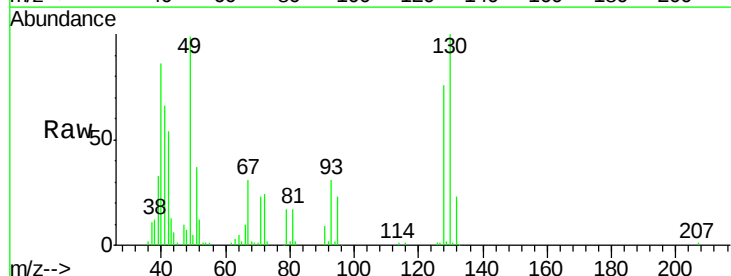
Tgt Ion: 49 Resp: 171843

Ion Ratio Lower Upper

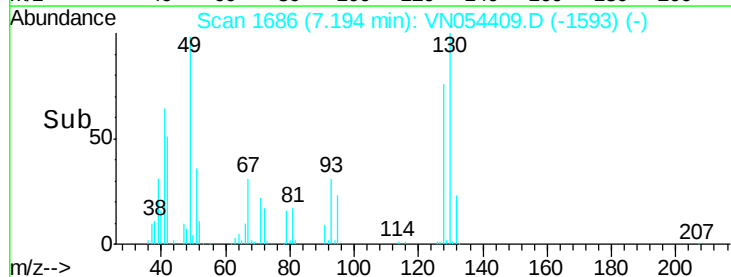
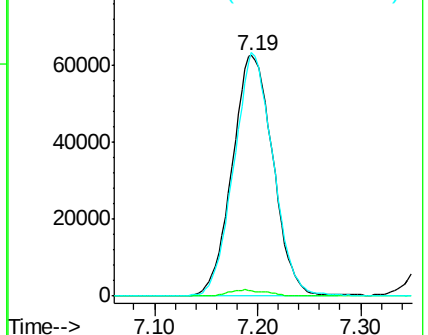
49 100

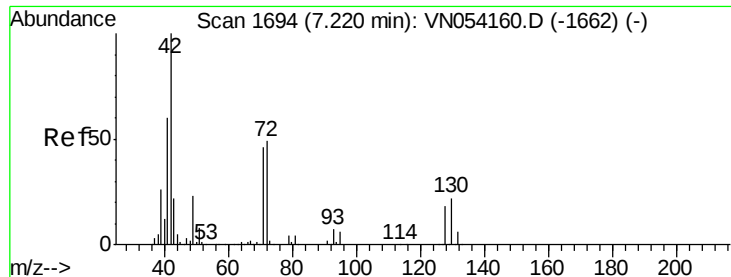
129 2.3 0.0 4.6

130 97.5 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

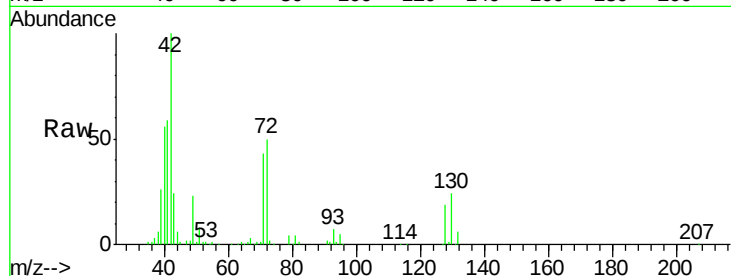




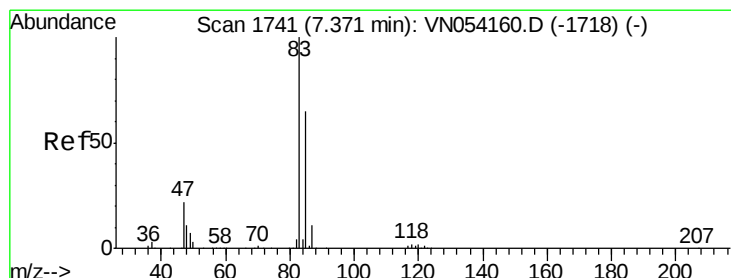
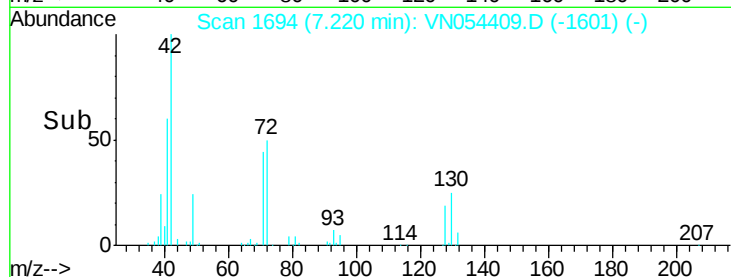
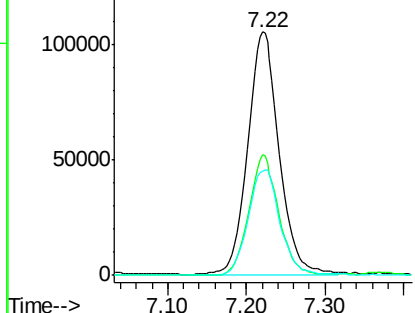
#29
Tetrahydrofuran
Concen: 109.370 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 297746
Ion Ratio Lower Upper
42 100
72 46.2 37.8 56.6
71 43.9 36.2 54.2

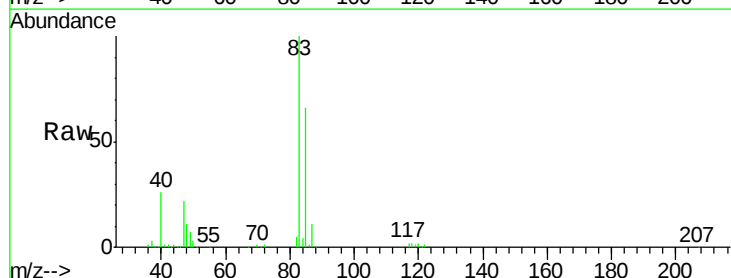


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

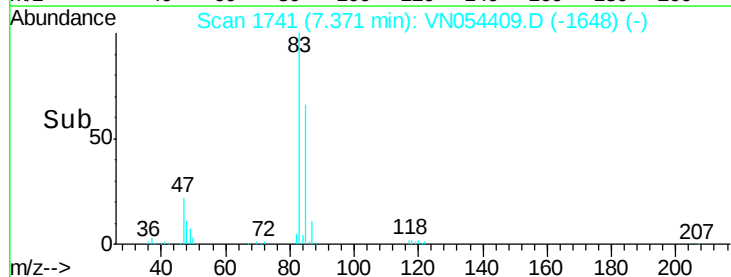
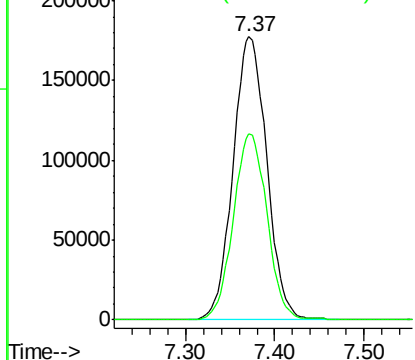


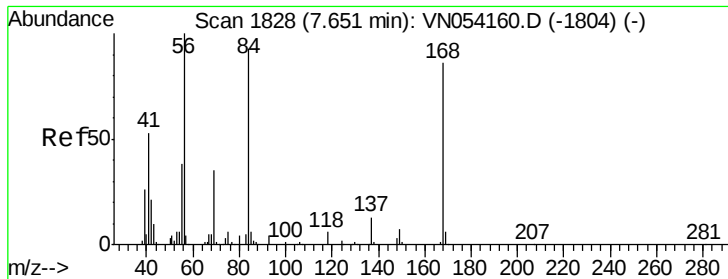
#30
Chloroform
Concen: 22.052 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 83 Resp: 466328
Ion Ratio Lower Upper
83 100
85 65.8 52.2 78.4



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





#31

Cyclohexane

Concen: 19.423 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

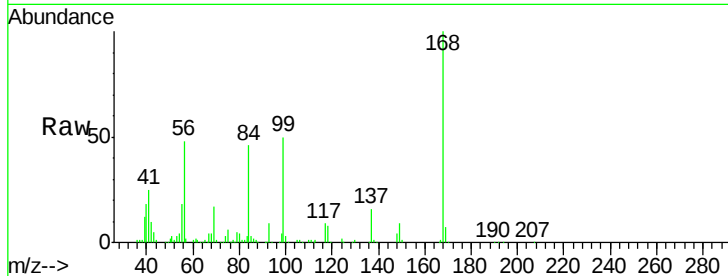
Tot Ion: 56 Resp: 382211

Ion Ratio Lower Upper

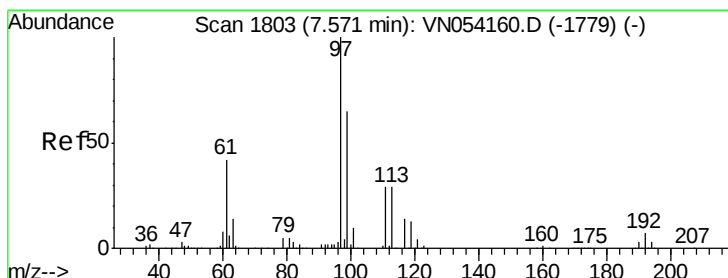
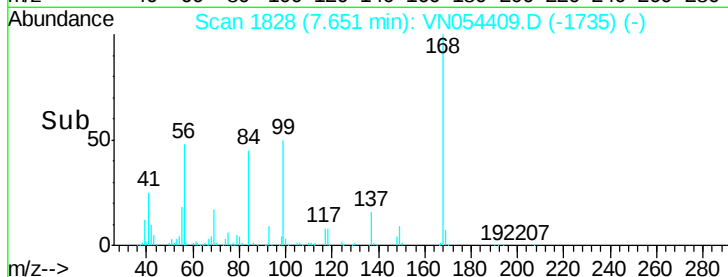
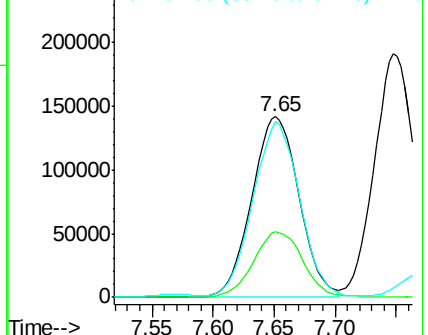
56 100

69 36.6 27.8 41.6

84 96.0 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: 20.294 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

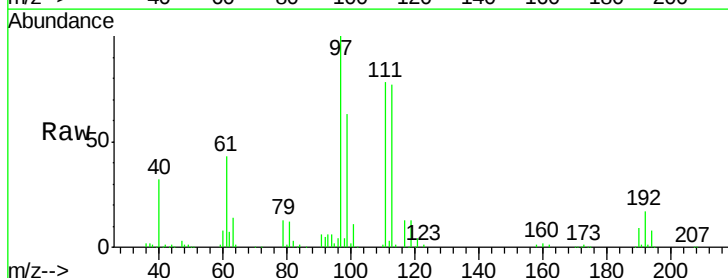
Tgt Ion: 97 Resp: 387581

Ion Ratio Lower Upper

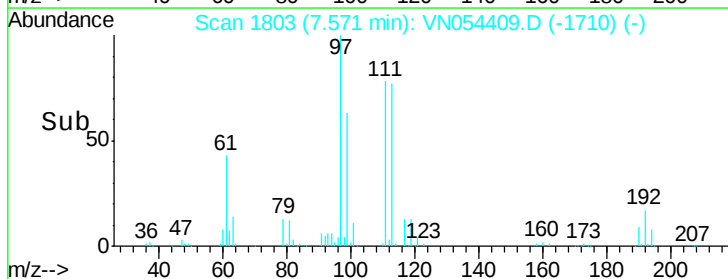
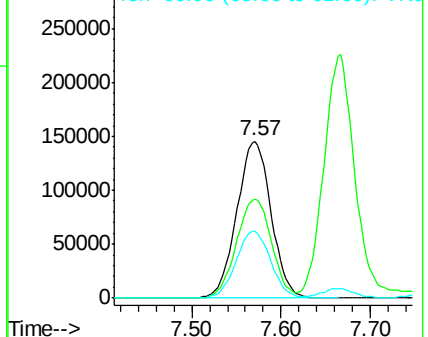
97 100

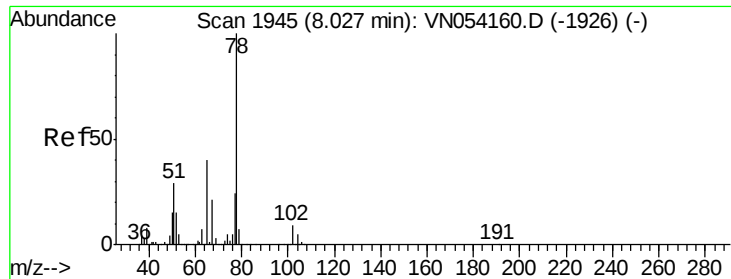
99 65.0 51.5 77.3

61 43.1 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

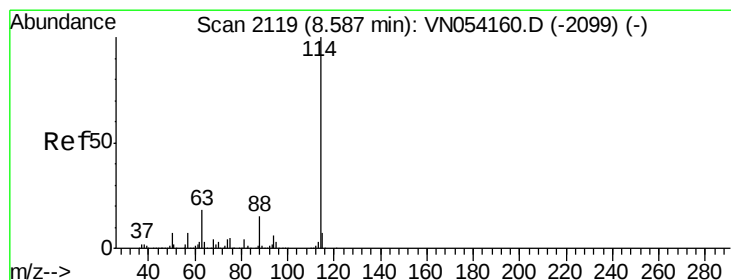
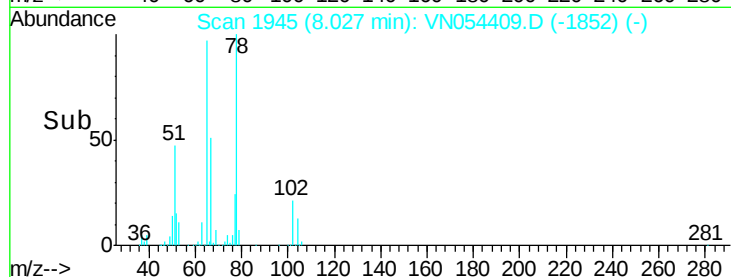
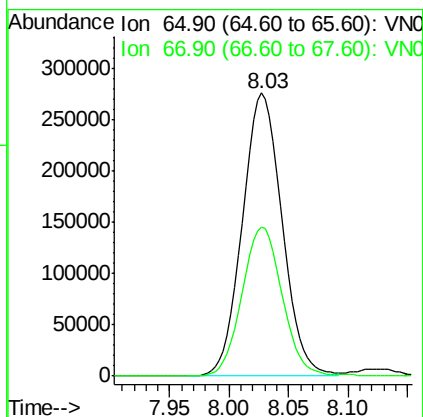
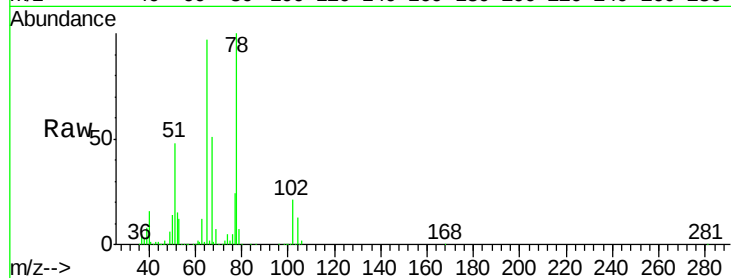




#33
 1,2-Dichloroethane-d4
 Concen: 50.777 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

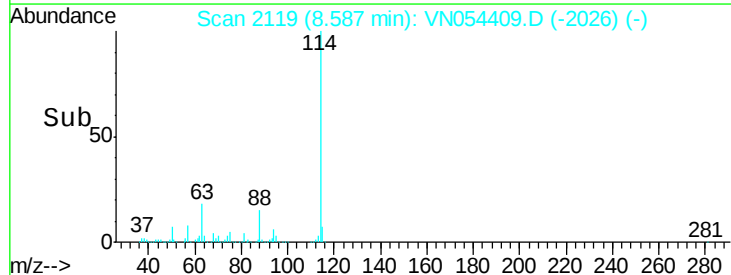
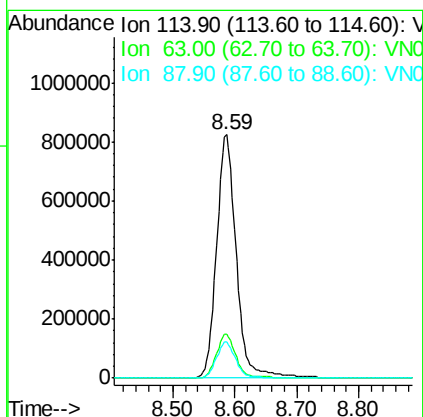
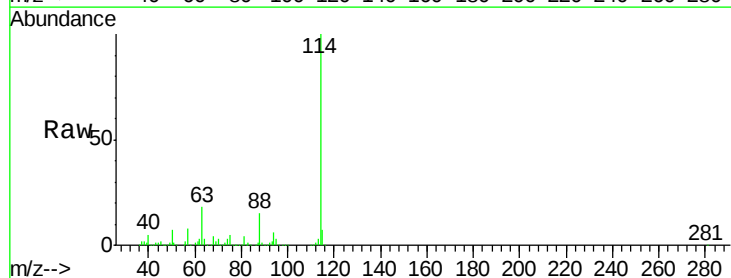
Instrument :
 MSVOA_N
 ClientSampleId :

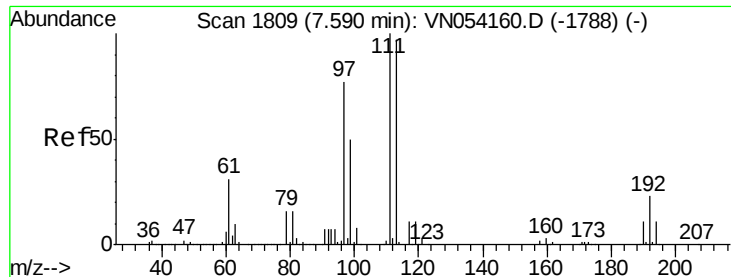
Tot Ion: 65 Resp: 639762
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 114 Resp: 1829653
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 14.9 0.0 30.2

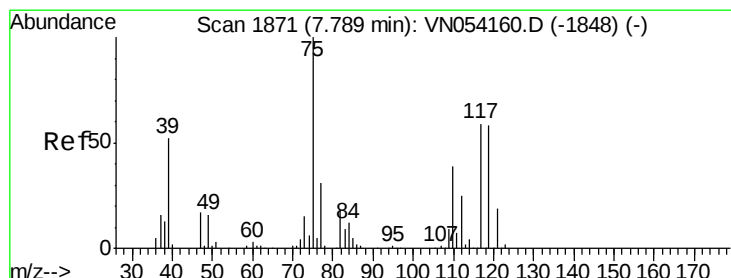
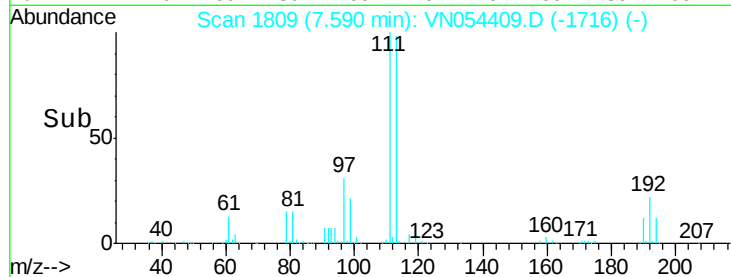
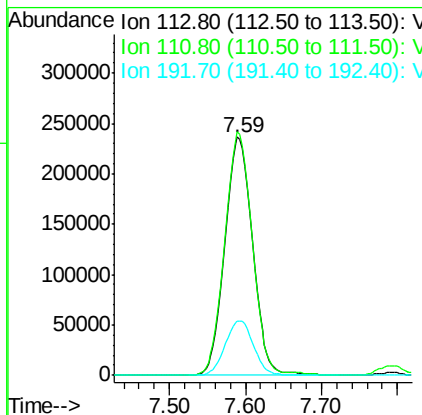
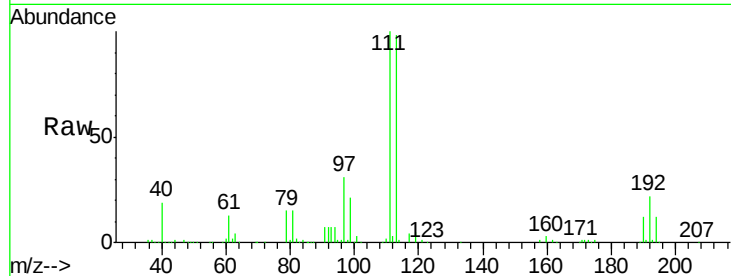




#35
 Dibromofluoromethane
 Concen: 51.162 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

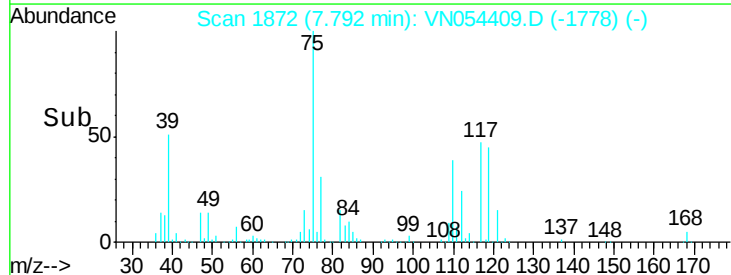
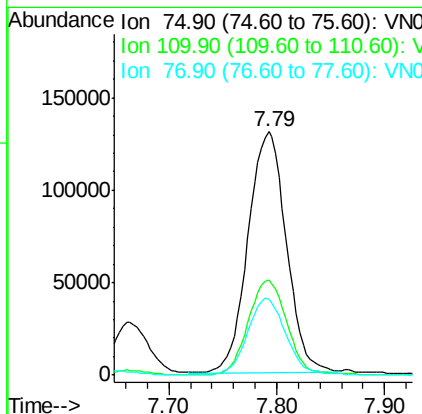
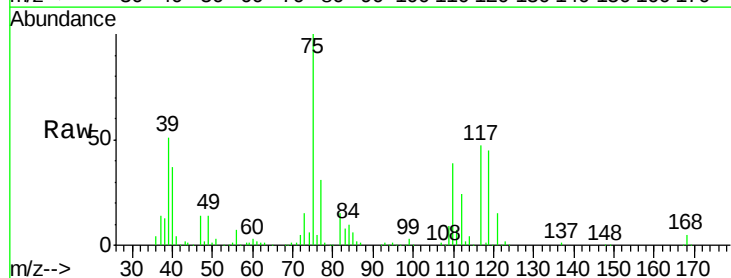
Instrument :
 MSVOA_N
 ClientSampleId :

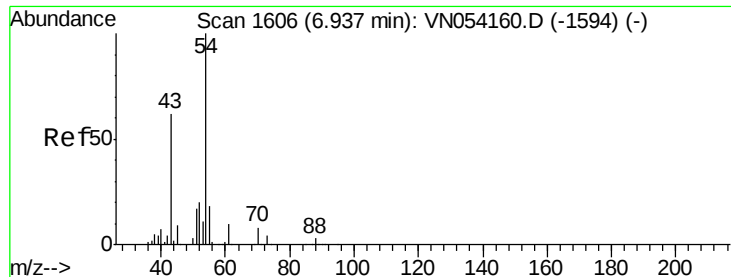
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	23.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.114 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.1	57.5
77	31.5	25.0	37.4

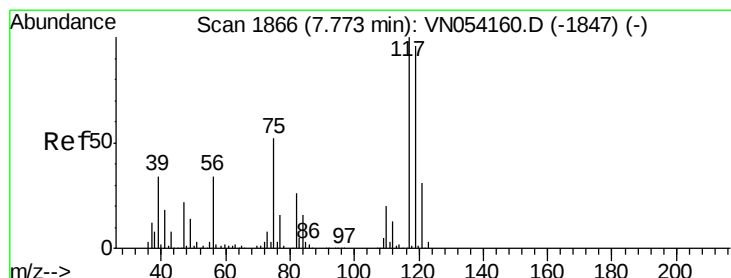
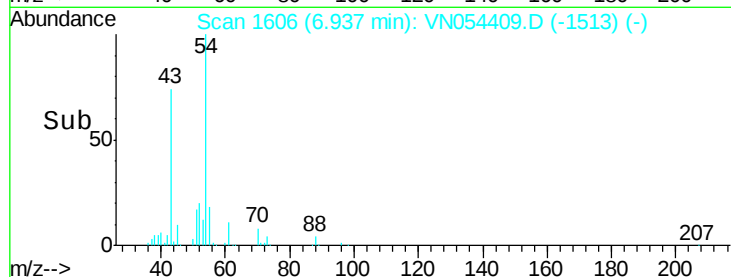
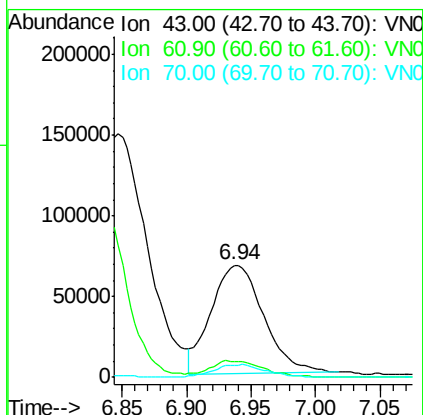
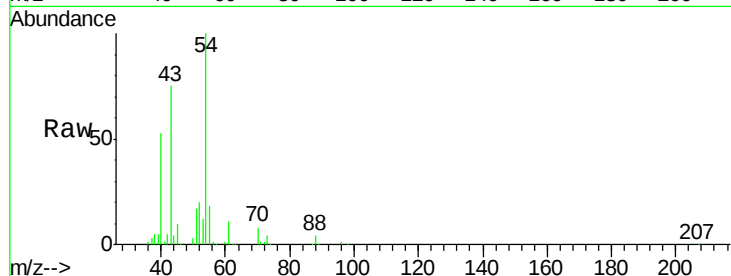




#37
Ethyl Acetate
Concen: 19.736 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

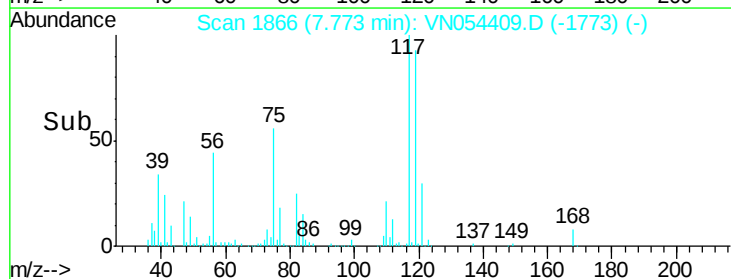
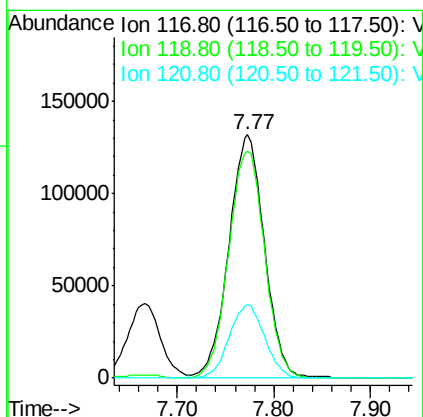
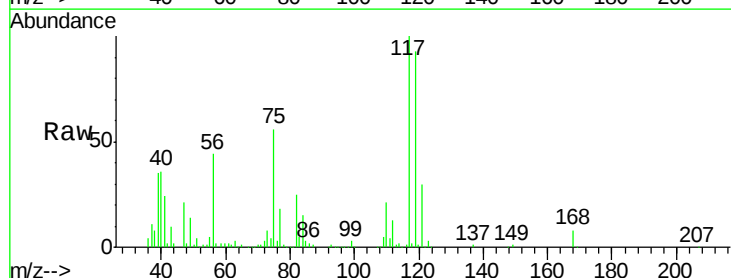
Instrument :
MSVOA_N
ClientSampleId :

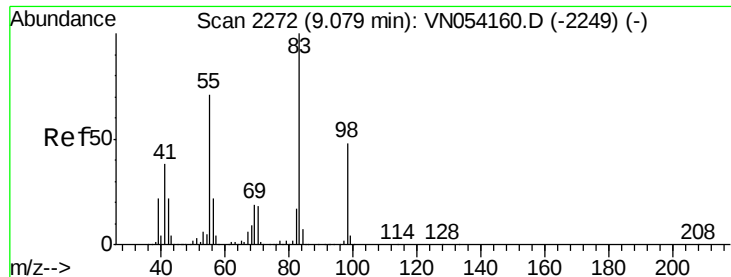
Tot Ion: 43 Resp: 191073
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 12.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.959 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 117 Resp: 334994
Ion Ratio Lower Upper
117 100
119 93.6 76.3 114.5
121 30.5 24.6 36.8

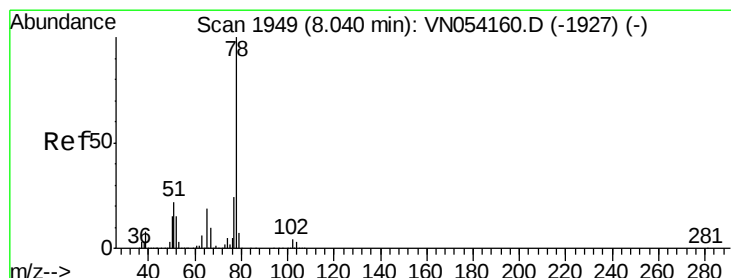
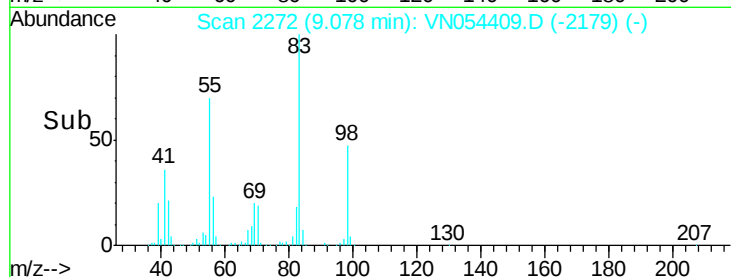
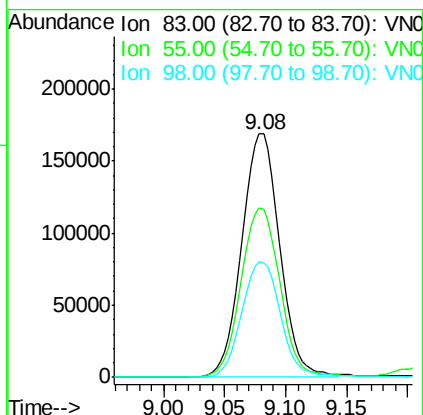
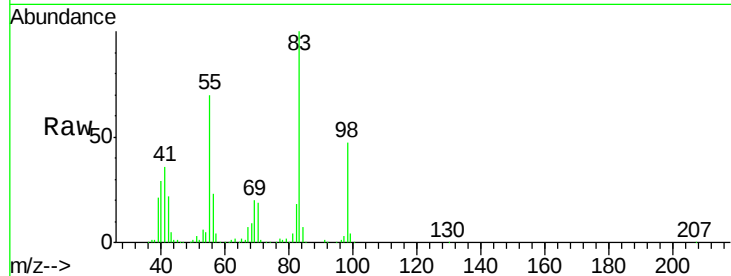




#39
Methvlcvclohexane
Concen: 17.547 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

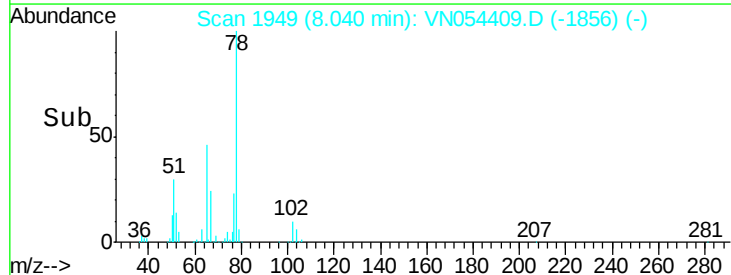
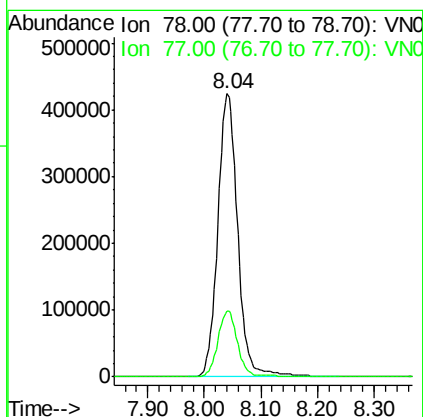
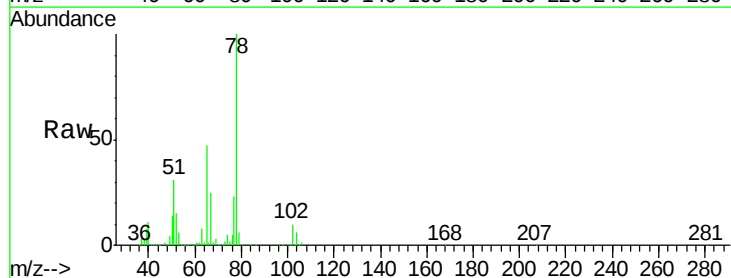
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 363773
Ion Ratio Lower Upper
83 100
55 69.6 56.6 84.8
98 47.3 38.4 57.6



#40
Benzene
Concen: 21.503 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 78 Resp: 1036811
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

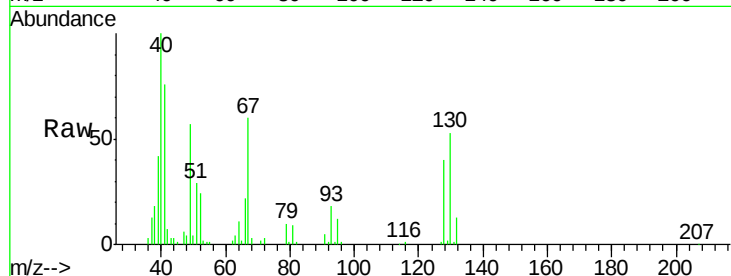




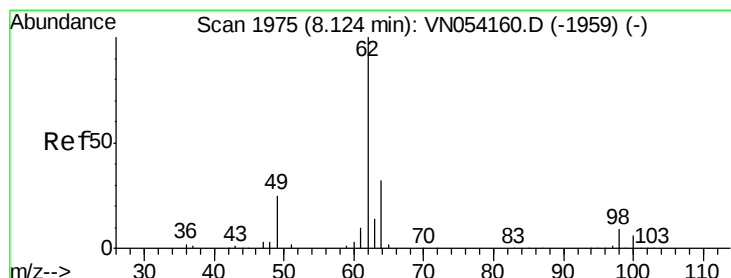
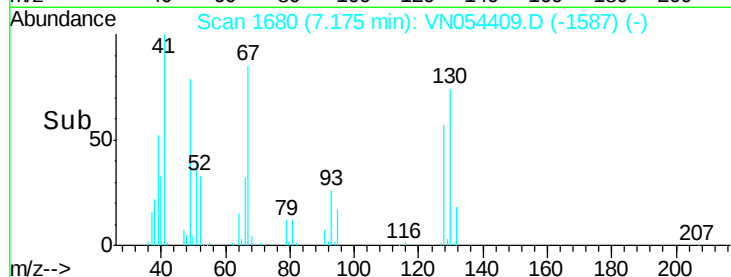
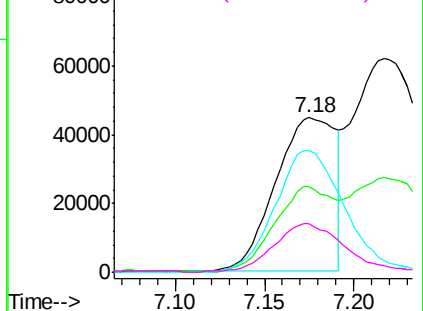
#41
Methacrylonitrile
Concen: 18.940 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 104698
Ion Ratio Lower Upper
41 100
39 54.6 46.8 70.2
67 92.3 67.0 100.4
52 39.0 26.5 39.7

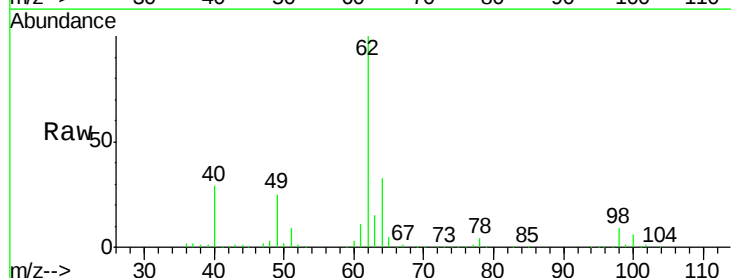


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

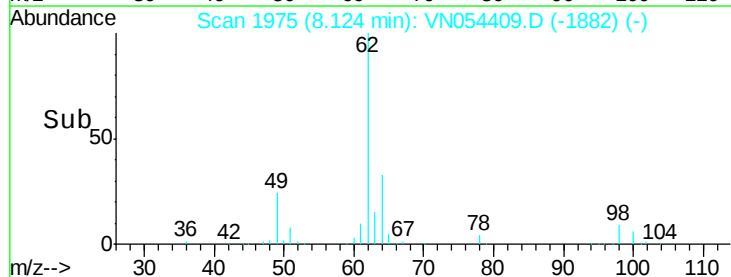
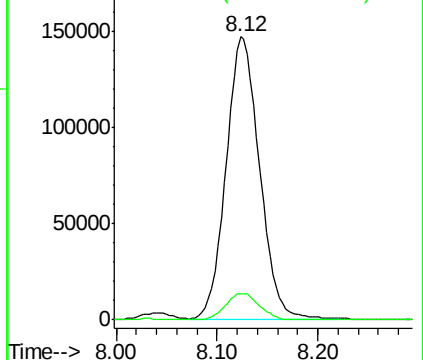


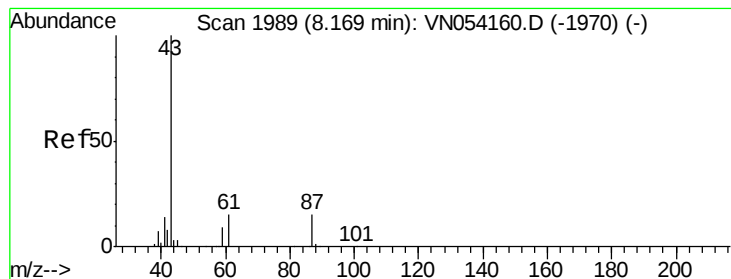
#42
1,2-Dichloroethane
Concen: 20.764 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 62 Resp: 338014
Ion Ratio Lower Upper
62 100
98 9.6 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 18.572 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

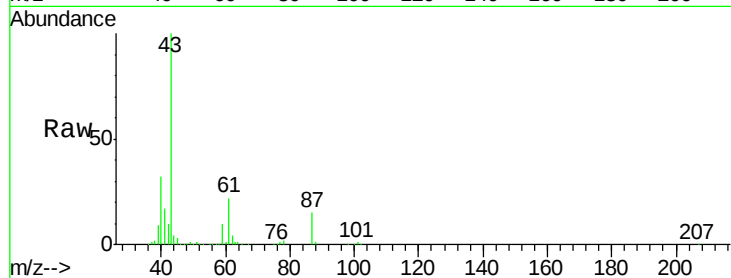
Tot Ion: 43 Resp: 315608

Ion Ratio Lower Upper

43 100

61 21.1 15.8 23.8

87 15.4 12.0 18.0

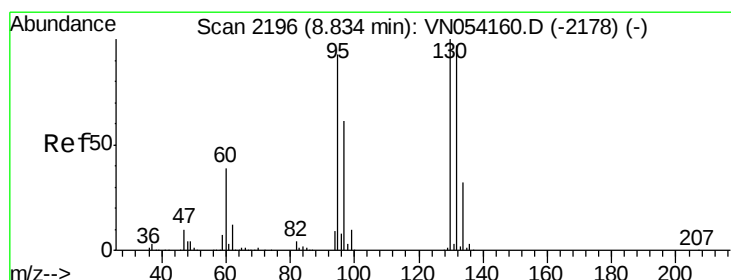
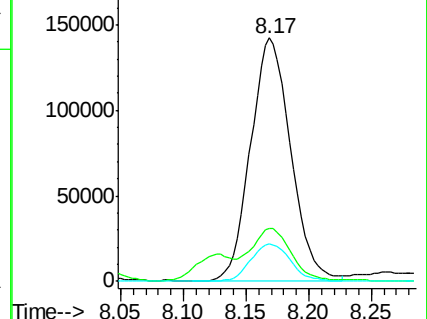
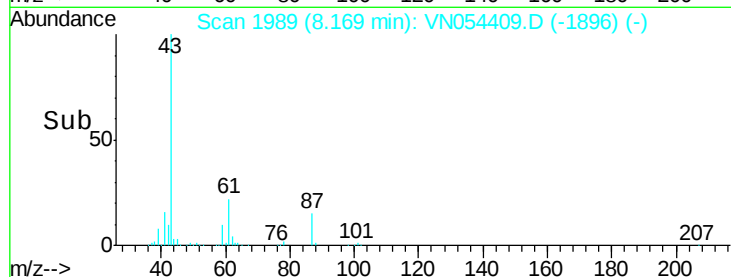


Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 20.301 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054409.D

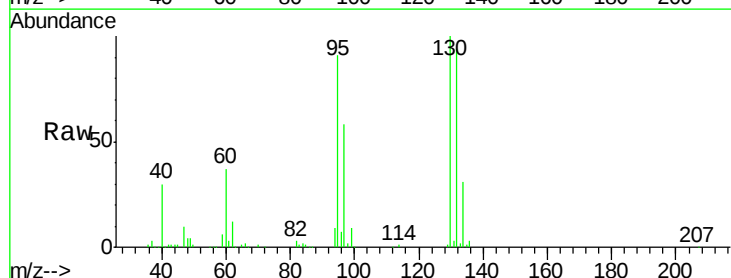
Acq: 18 Mar 2019 23:06

Tgt Ion: 130 Resp: 304072

Ion Ratio Lower Upper

130 100

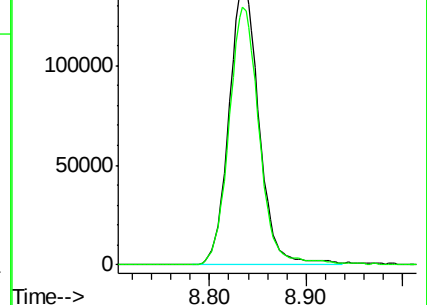
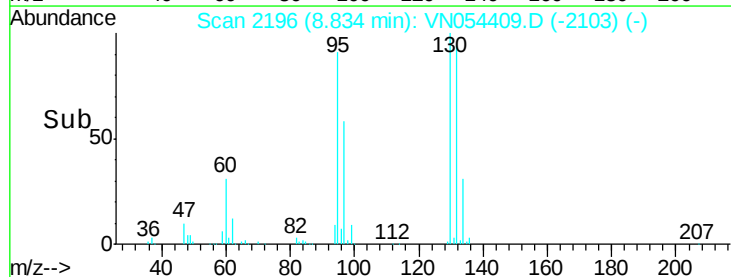
95 91.2 0.0 185.2

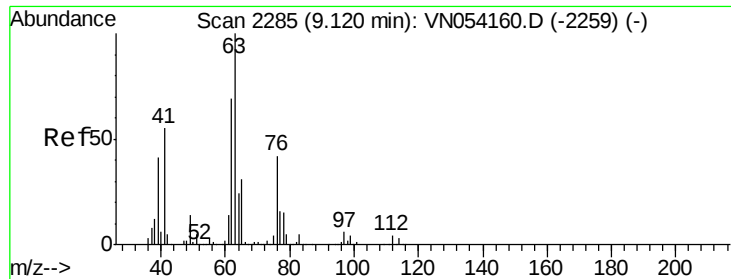


Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

Time--> 8.80 8.90

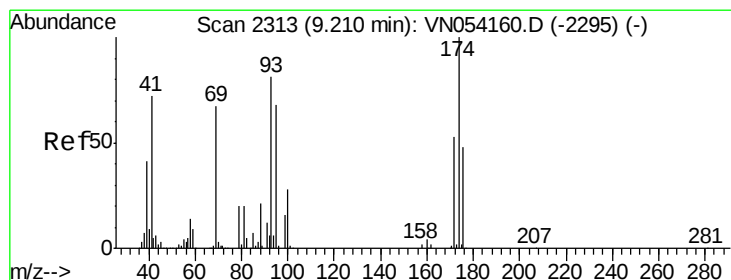
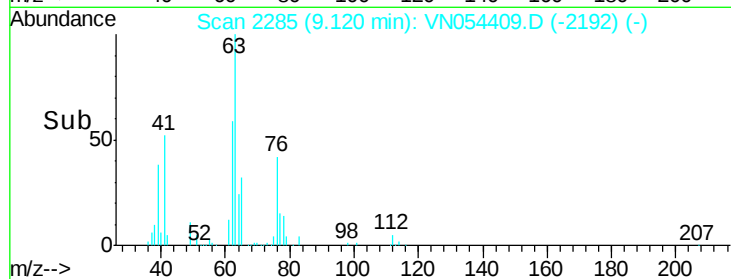
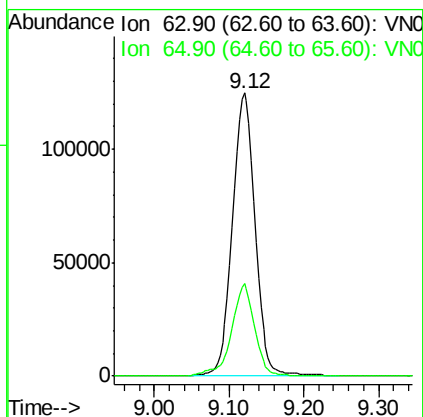
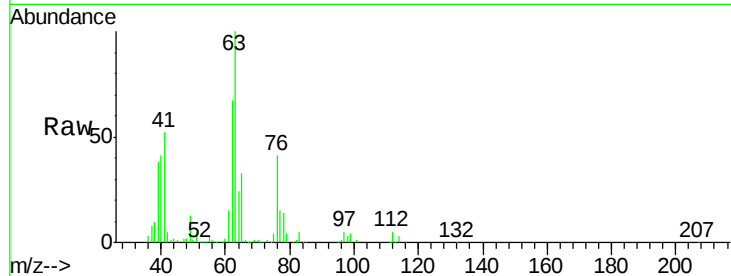




#45
 1,2-Dichloropropane
 Concen: 22.090 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

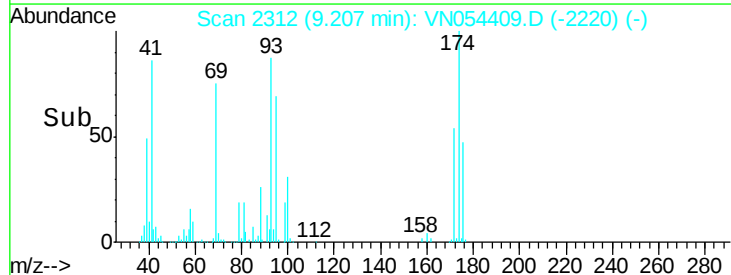
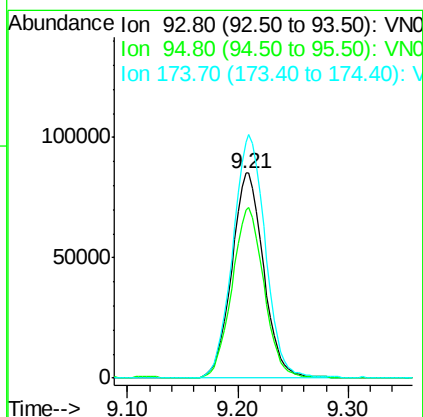
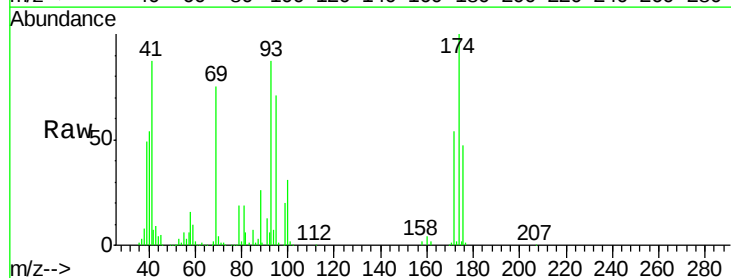
Instrument :
 MSVOA_N
 ClientSampleId :

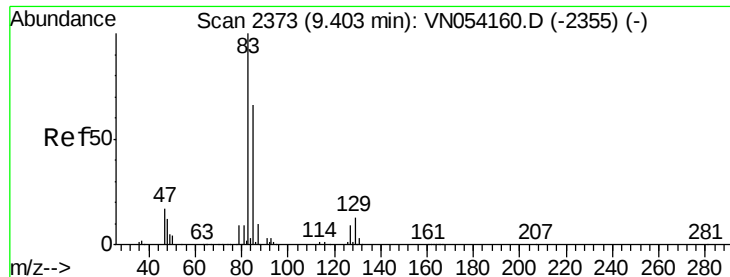
Tot Ion: 63 Resp: 264481
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.6



#46
 Dibromomethane
 Concen: 21.163 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 93 Resp: 171198
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 121.0 98.5 147.7





#47

Bromodichloromethane

Concen: 20.283 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

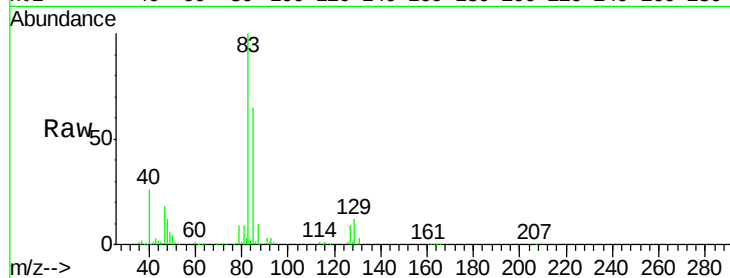
Tot Ion: 83 Resp: 328933

Ion Ratio Lower Upper

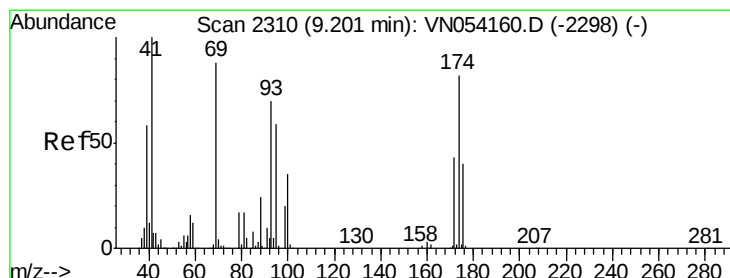
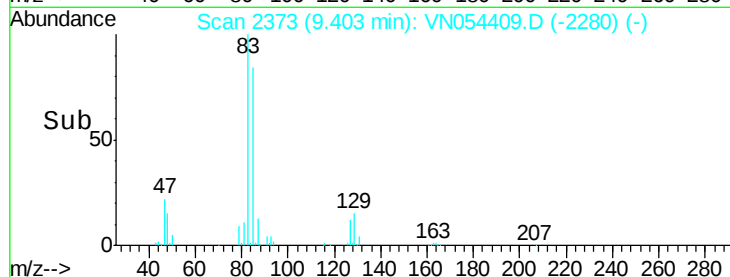
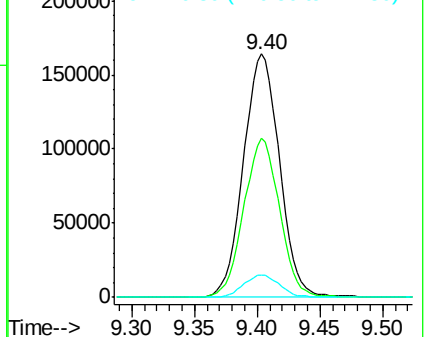
83 100

85 65.3 52.8 79.2

127 9.3 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: 20.355 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

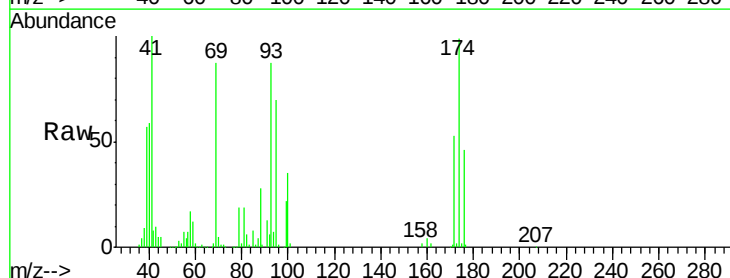
Tgt Ion: 41 Resp: 175543

Ion Ratio Lower Upper

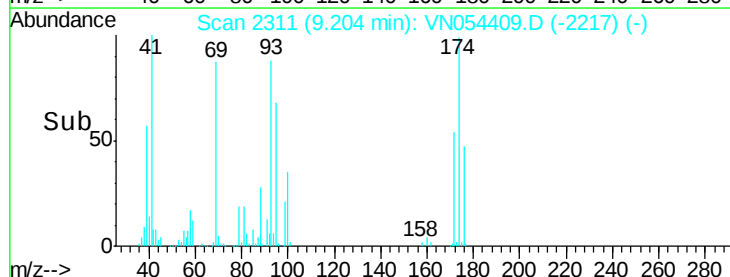
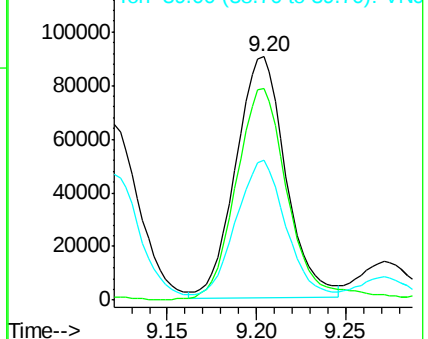
41 100

69 90.6 72.6 108.8

39 57.7 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

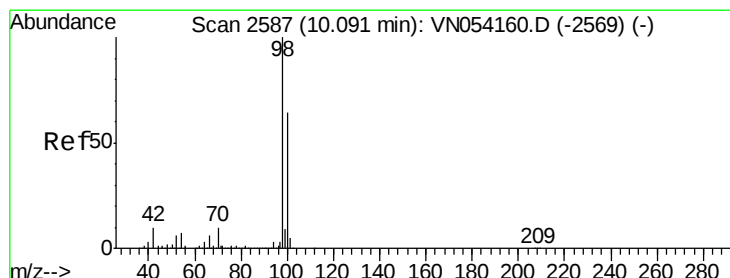
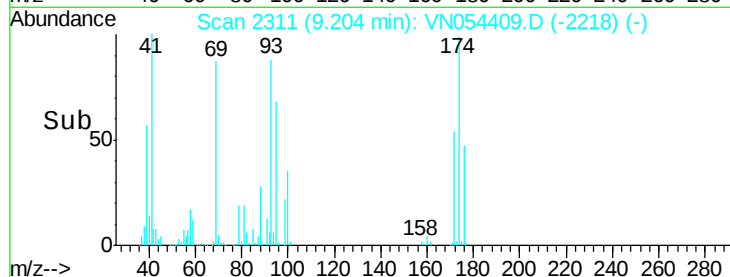
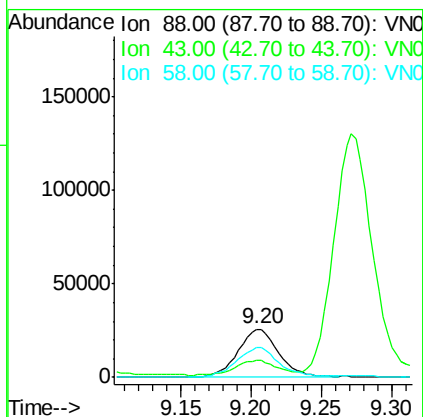
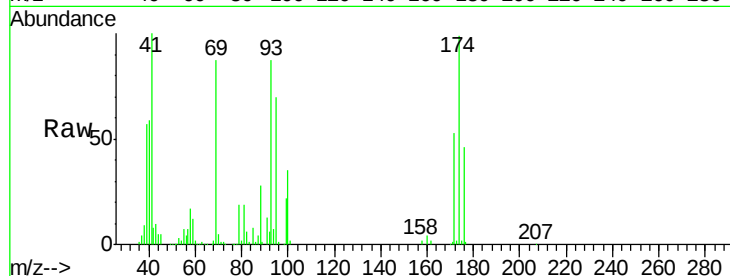




#49
1,4-Dioxane
Concen: 427.548 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

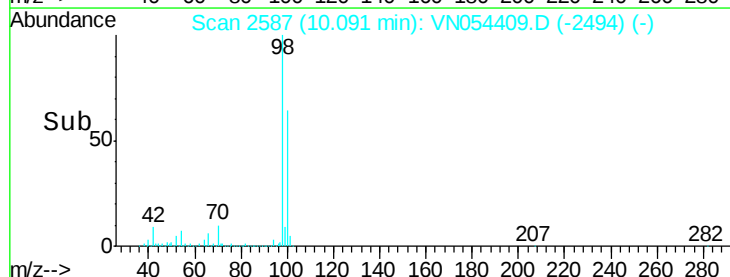
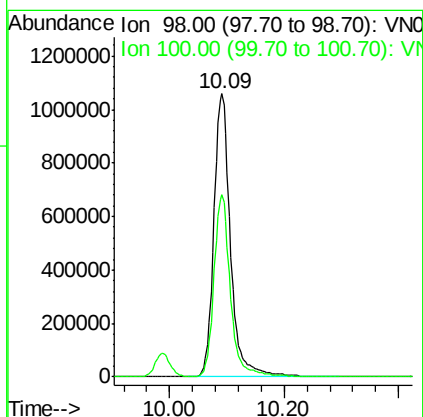
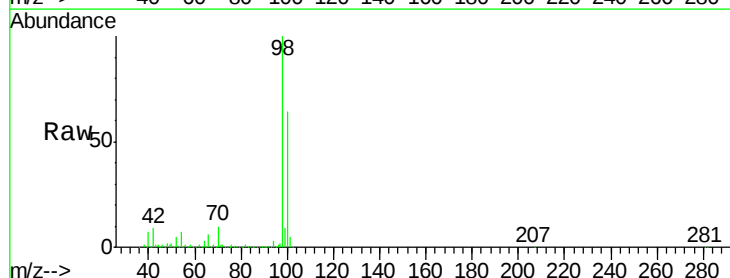
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 52155
Ion Ratio Lower Upper
88 100
43 29.7 24.1 36.1
58 63.9 50.8 76.2



#50
Toluene-d8
Concen: 49.290 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 98 Resp: 2148128
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 106.323 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

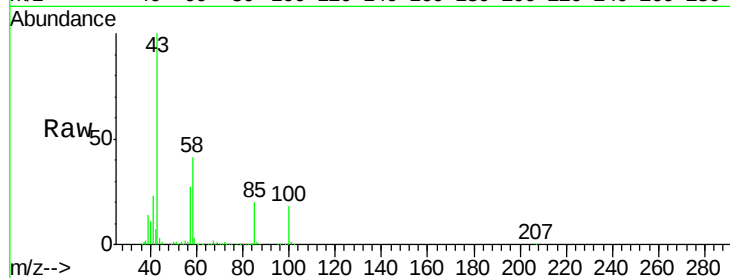
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 956181

Ion Ratio Lower Upper

43 100

58 40.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054409.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN054409.D (-2461) (-)

9.99

500000

400000

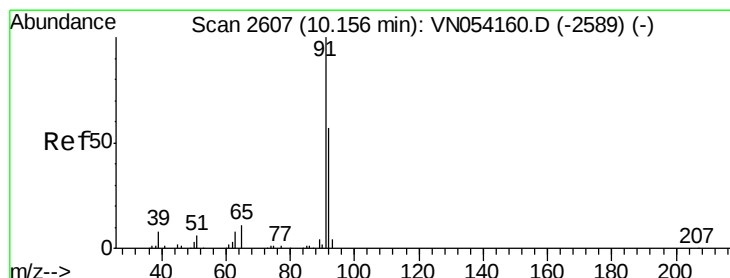
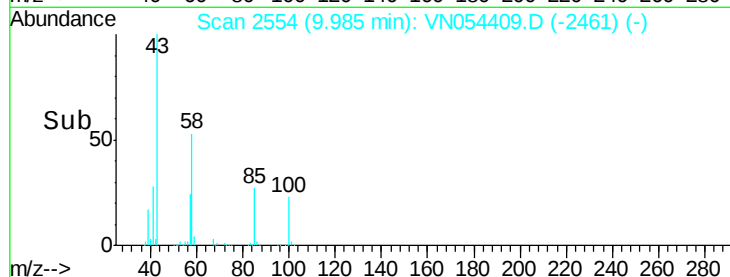
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.760 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054409.D

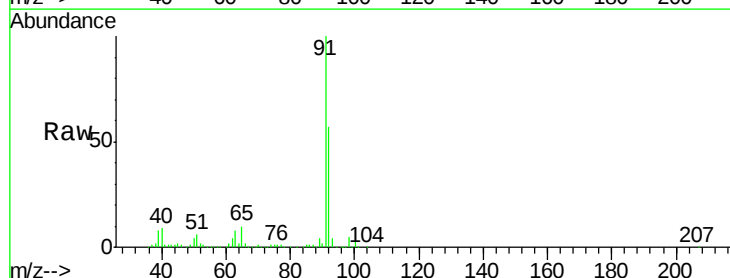
Acq: 18 Mar 2019 23:06

Tgt Ion: 92 Resp: 634676

Ion Ratio Lower Upper

92 100

91 176.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054409.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054409.D (-2514) (-)

10.16

600000

500000

400000

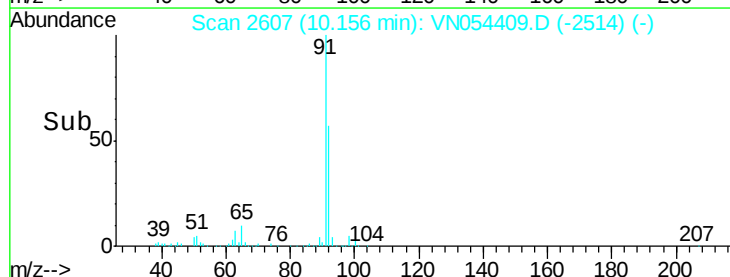
300000

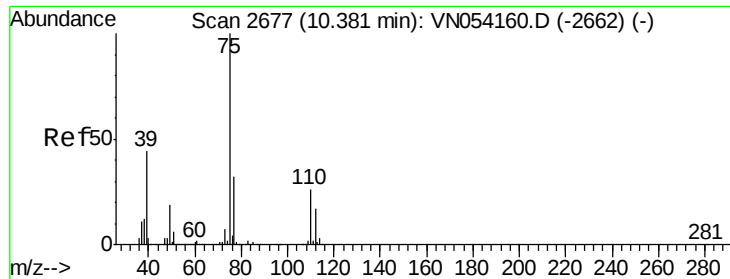
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.363 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

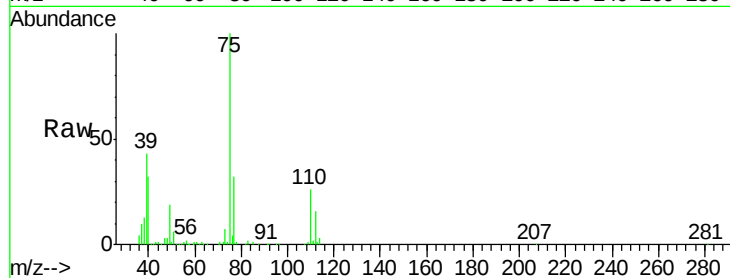
ClientSampleId :

Tot Ion: 75 Resp: 277694

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.38

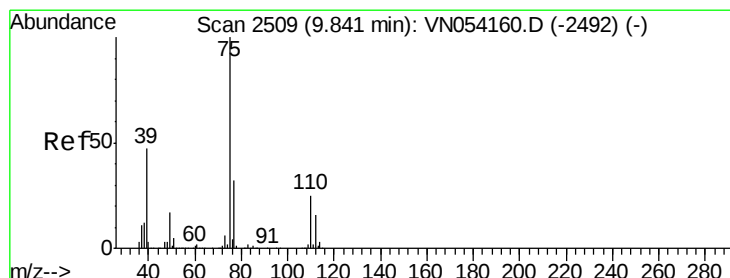
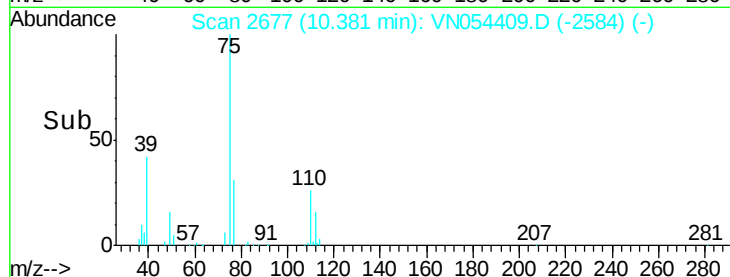
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.662 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

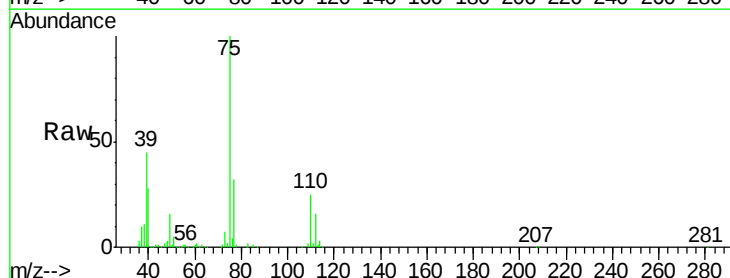
Tgt Ion: 75 Resp: 352669

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 44.7 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.84

250000

200000

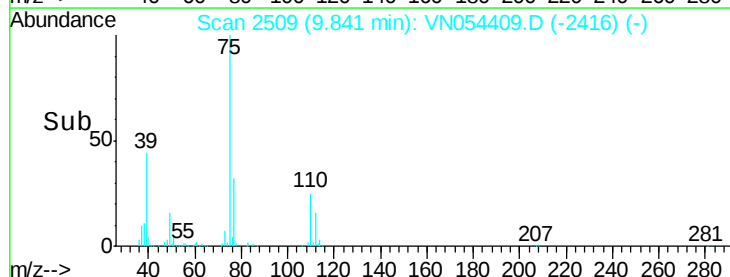
150000

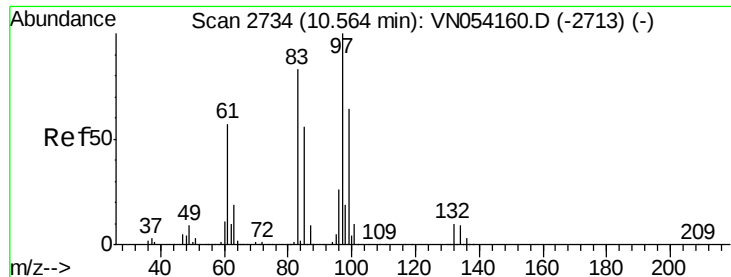
100000

50000

0

Time-->

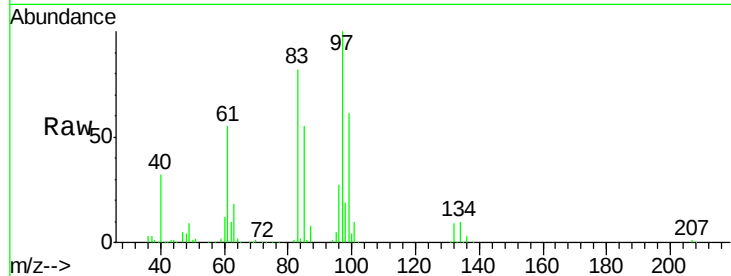




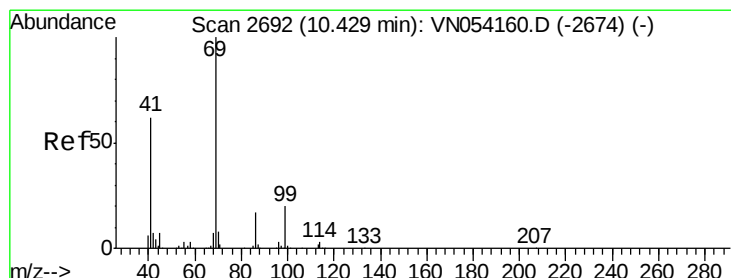
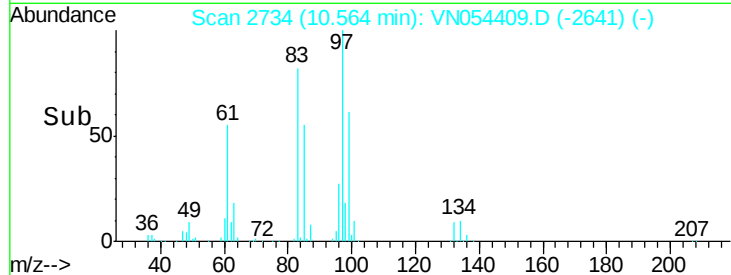
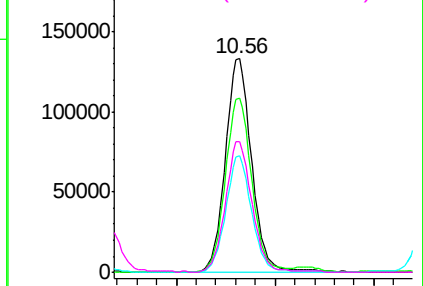
#55
 1,1,2-Trichloroethane
 Concen: 22.333 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	249310
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.6	100.0
85	54.5	44.4	66.6
99	61.1	50.8	76.2

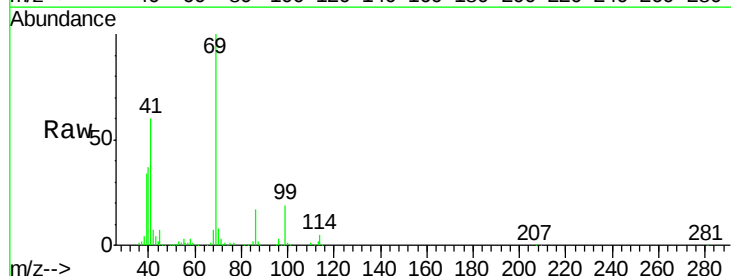


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

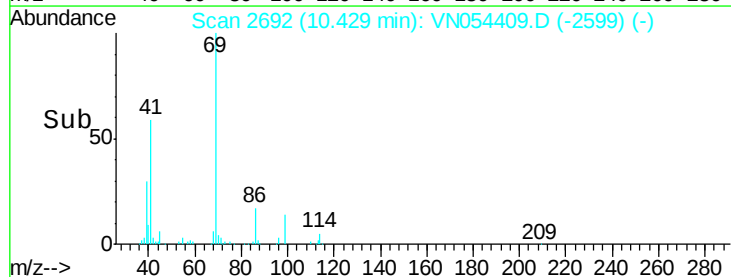
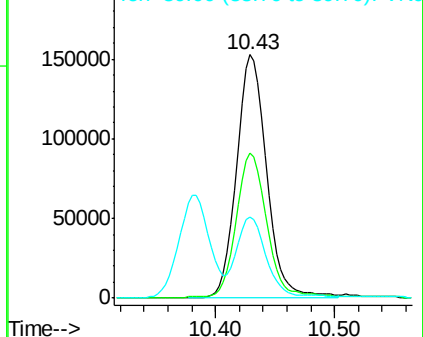


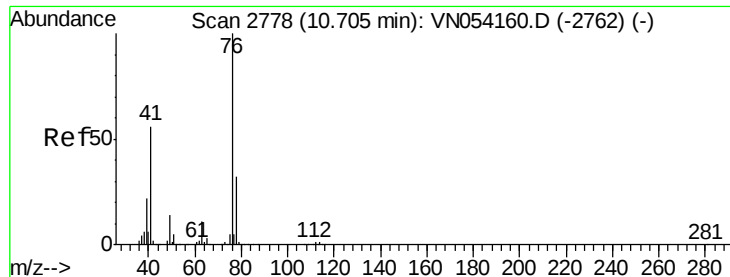
#56
 Ethyl methacrylate
 Concen: 20.190 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion:	69	Resp:	268749
Ion	Ratio	Lower	Upper
69	100		
41	59.8	49.4	74.2
39	33.3	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: 21.638 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

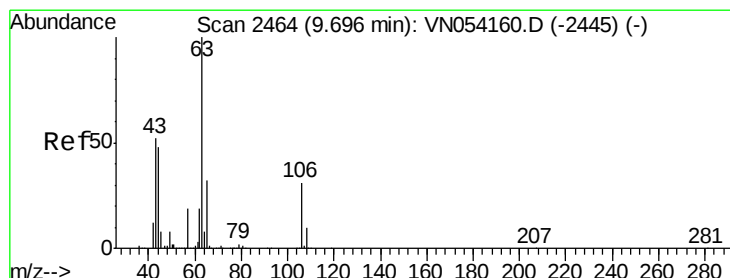
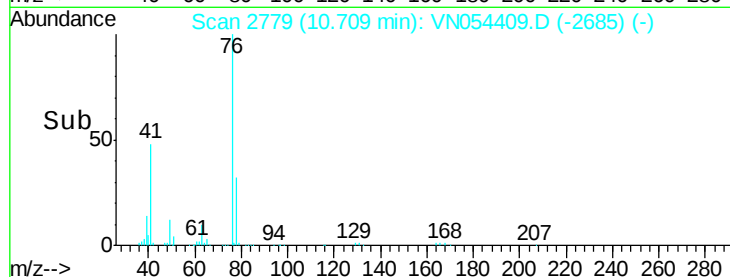
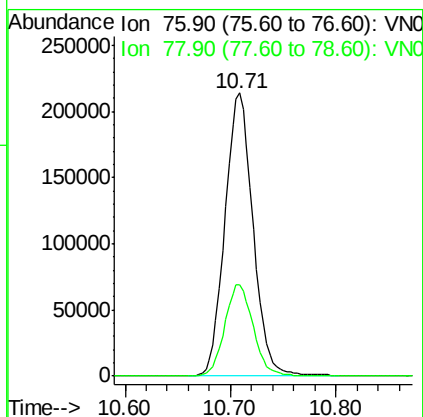
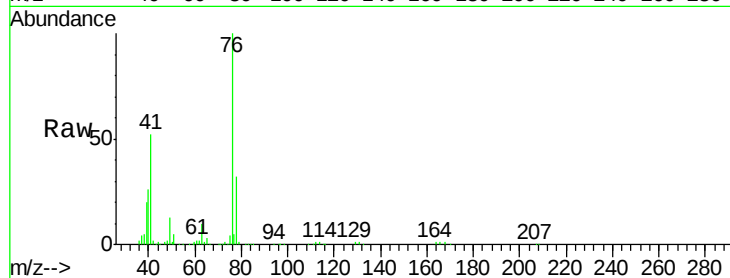
ClientSampleId :

Tot Ion: 76 Resp: 394965

Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 98.459 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054409.D

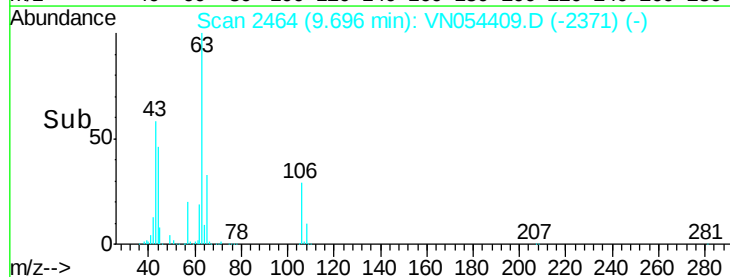
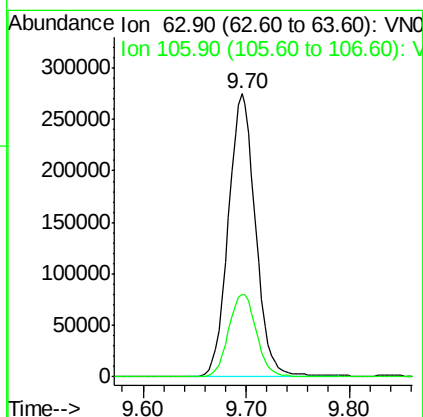
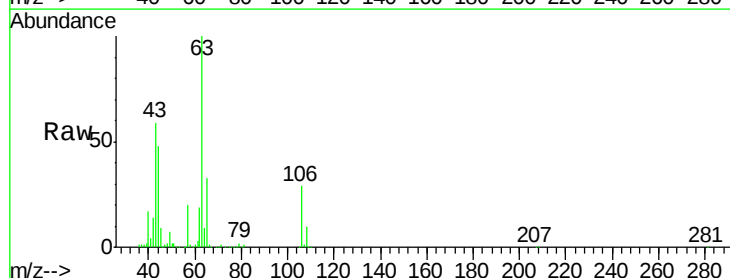
Acq: 18 Mar 2019 23:06

Tgt Ion: 63 Resp: 505421

Ion Ratio Lower Upper

63 100

106 29.8 24.4 36.6

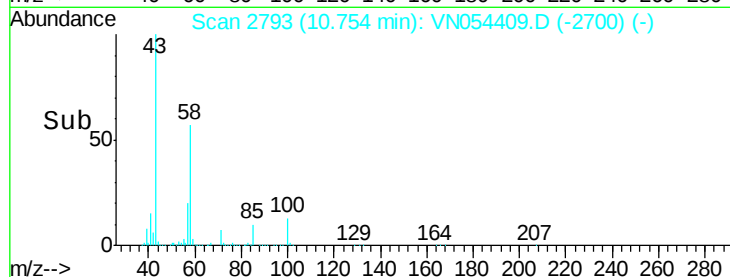
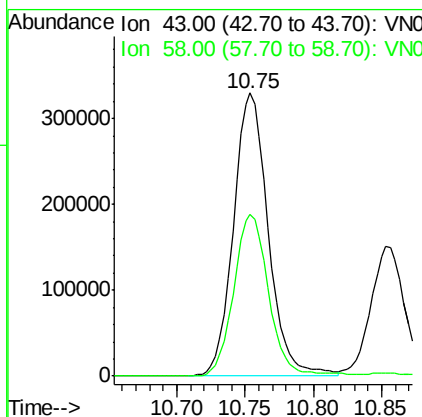
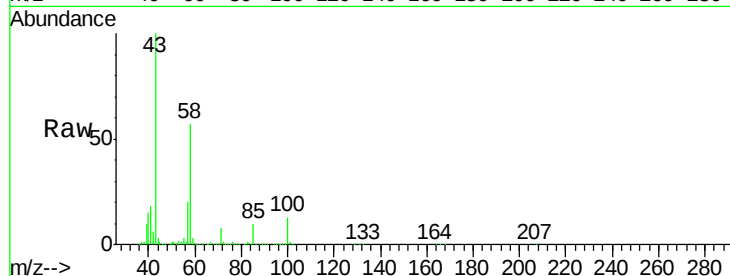




#59
2-Hexanone
Concen: 96.792 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

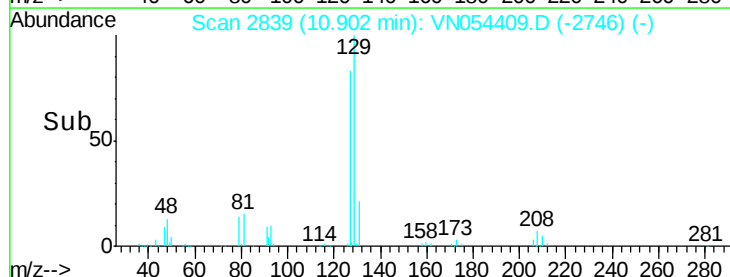
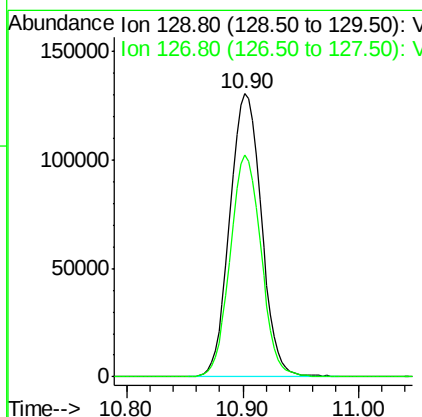
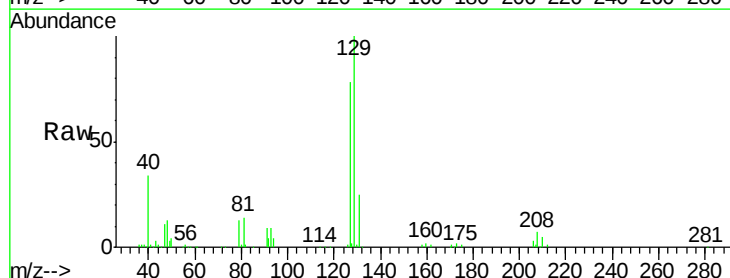
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 579209
Ion Ratio Lower Upper
43 100
58 58.0 28.0 83.9



#60
Dibromochloromethane
Concen: 19.650 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 129 Resp: 246904
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

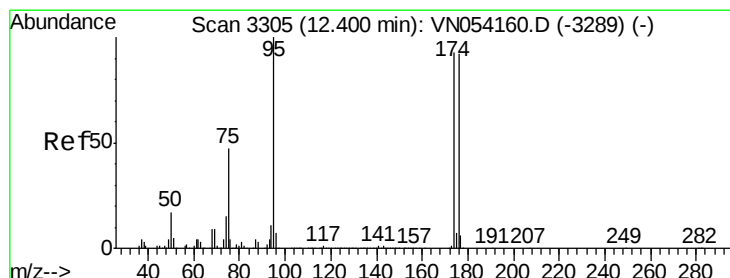
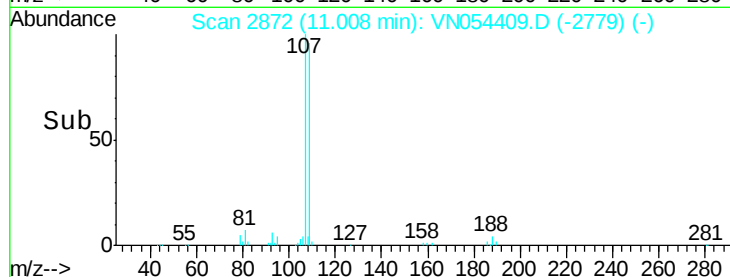
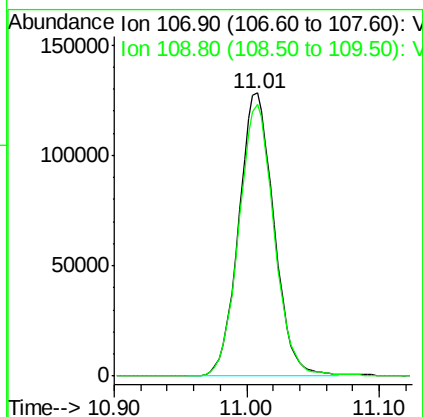
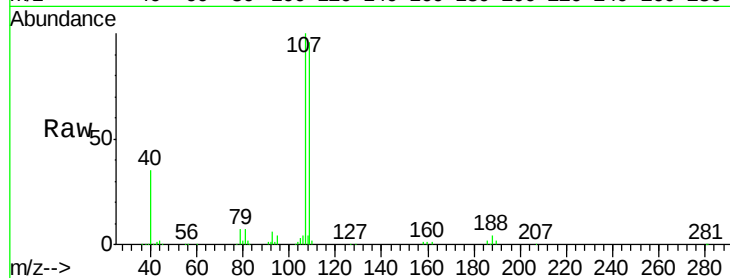




#61
 1,2-Dibromoethane
 Concen: 20.864 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

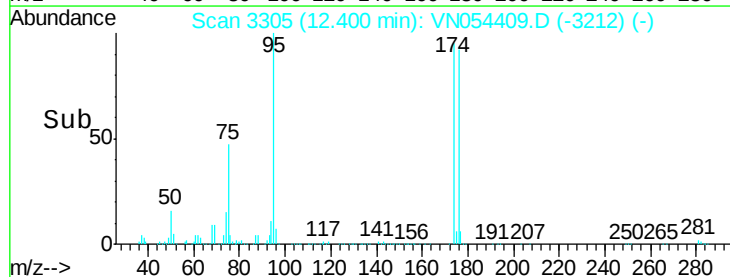
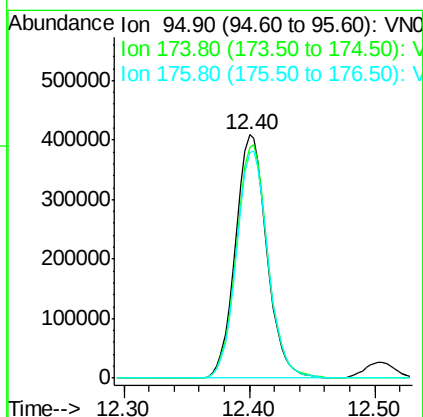
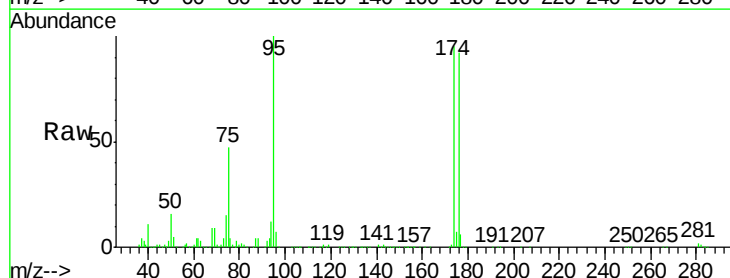
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 236682
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.531 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 95 Resp: 709560
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 191.0
 176 93.9 0.0 187.4

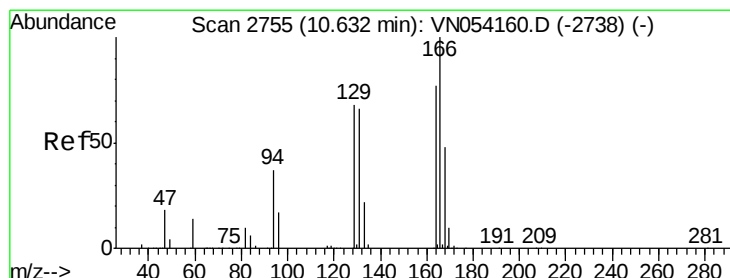
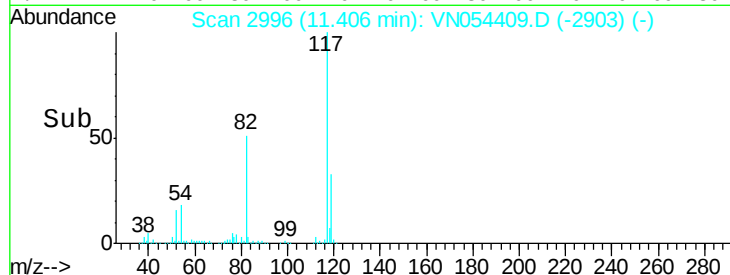
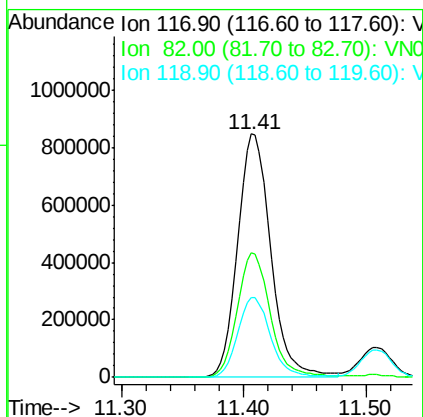
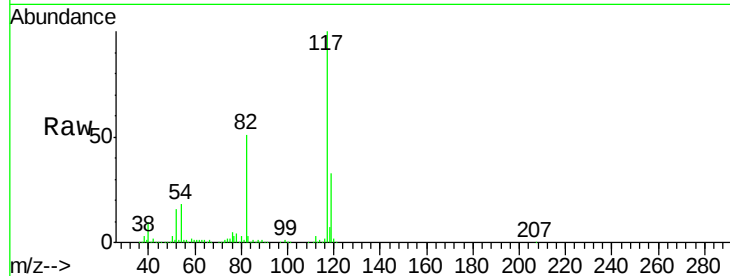




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

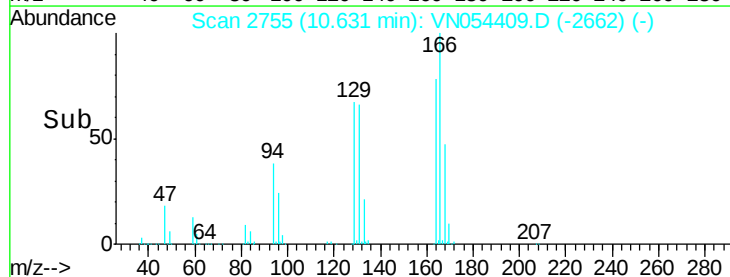
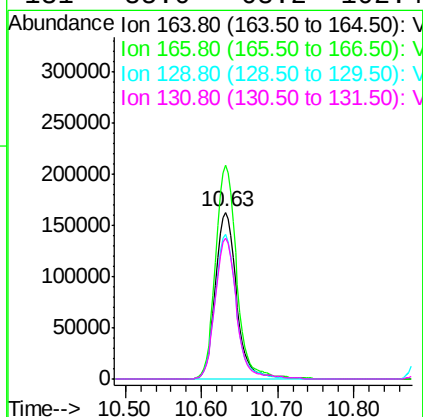
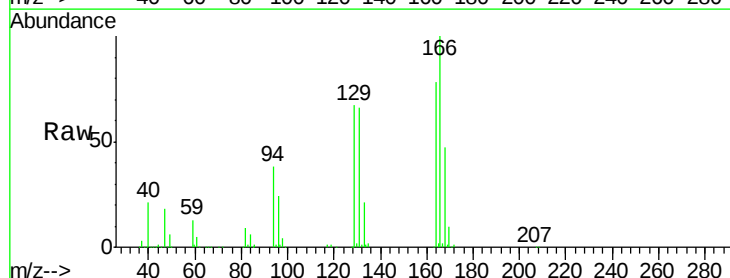
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1592521
Ion Ratio Lower Upper
117 100
82 51.2 40.0 60.0
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 20.461 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion:164 Resp: 315041
Ion Ratio Lower Upper
164 100
166 128.4 103.9 155.9
129 86.6 71.1 106.7
131 85.0 68.2 102.4





#65

Chlorobenzene

Concen: 20.948 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

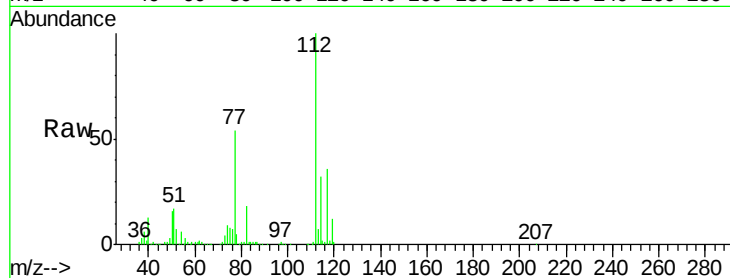
ClientSampleId :

Tot Ion:112 Resp: 732516

Ion Ratio Lower Upper

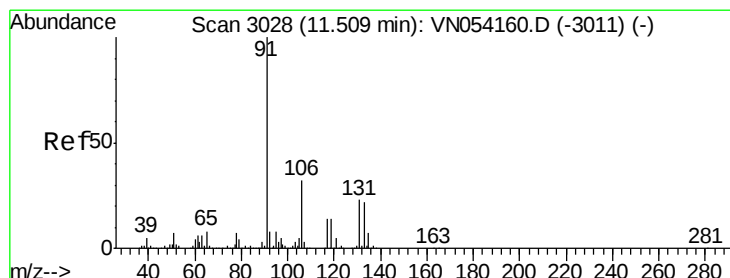
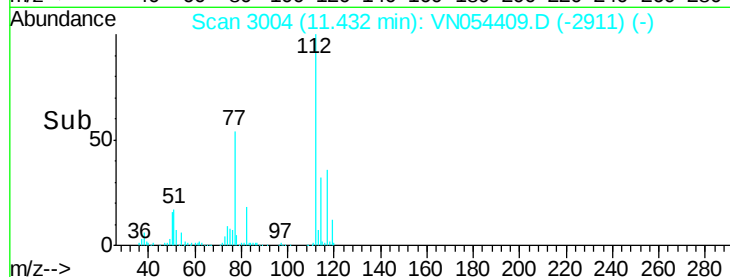
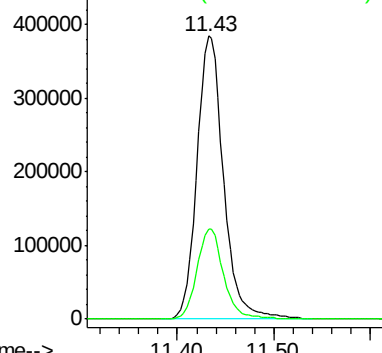
112 100

114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.746 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

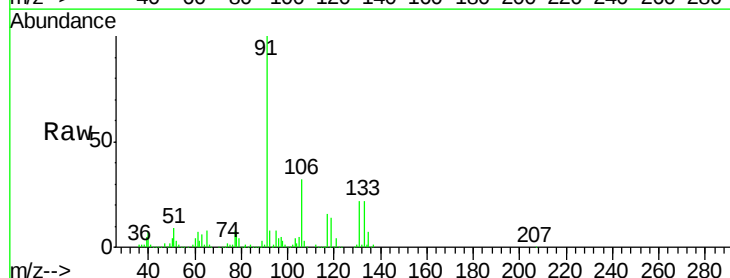
Tgt Ion:131 Resp: 263533

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

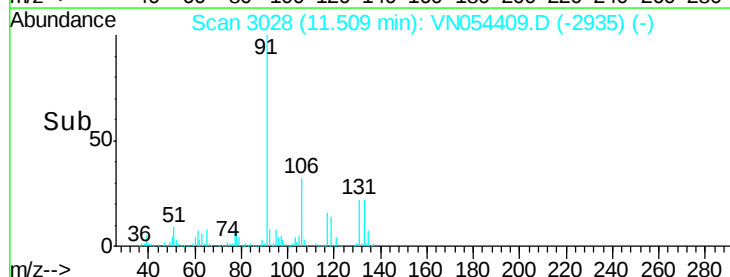
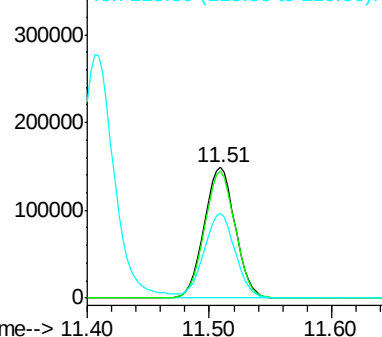
119 64.6 32.4 97.0

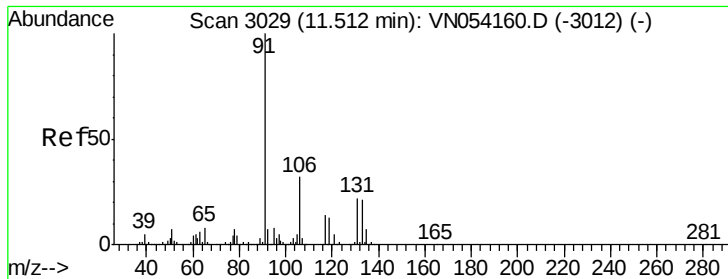


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.548 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

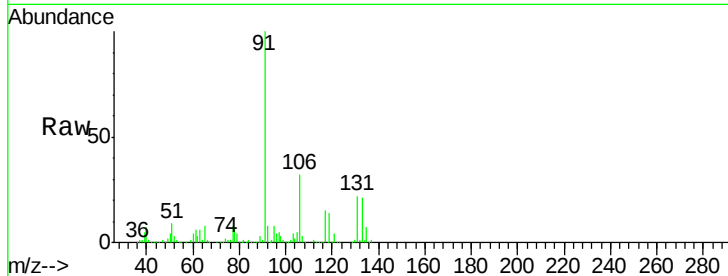
ClientSampled :

Tot Ion: 91 Resp: 1191028

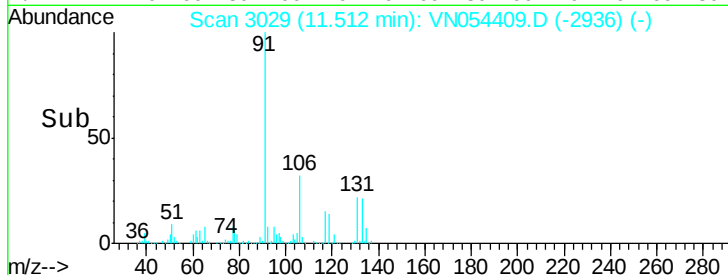
Ion Ratio Lower Upper

91 100

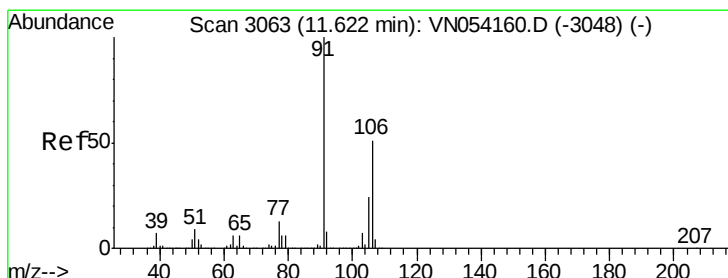
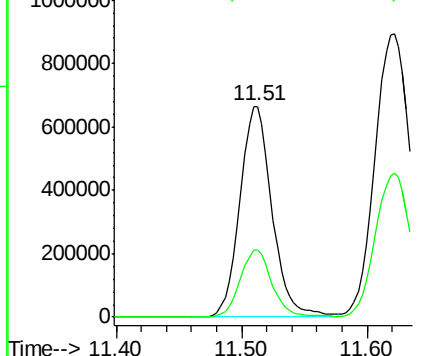
106 32.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054409.D (-2936) (-)



Ion 106.00 (105.70 to 106.70): VN054409.D (-2936) (-)



#68

m/p-Xylenes

Concen: 41.154 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054409.D

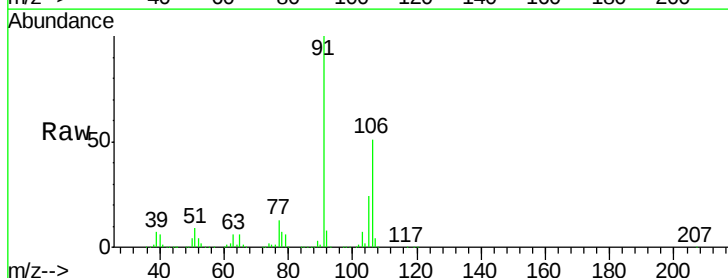
Acq: 18 Mar 2019 23:06

Tgt Ion: 106 Resp: 932350

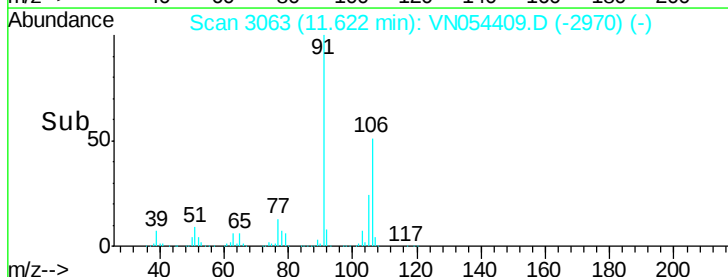
Ion Ratio Lower Upper

106 100

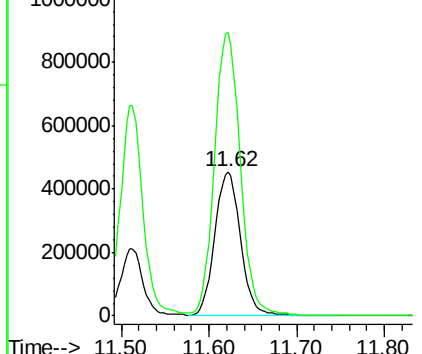
91 197.4 159.4 239.2

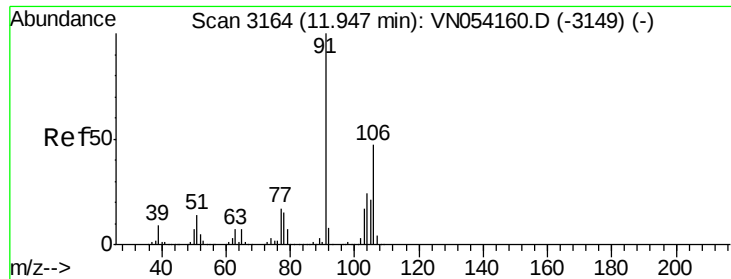


Abundance Ion 106.00 (105.70 to 106.70): VN054409.D (-2970) (-)



Ion 91.00 (90.70 to 91.70): VN054409.D (-2970) (-)

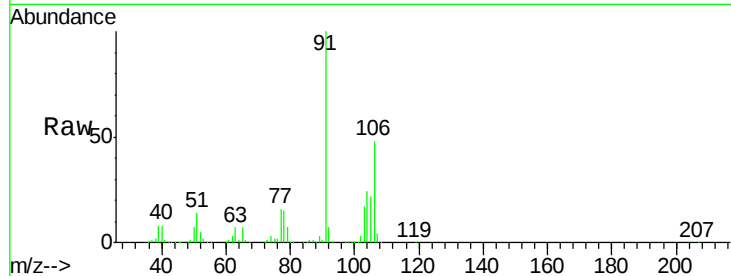




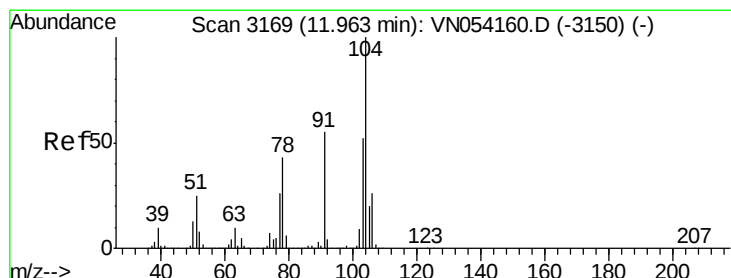
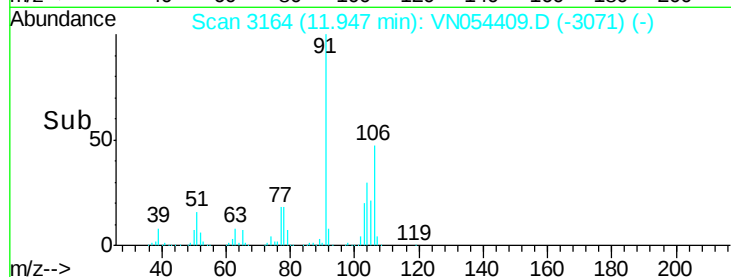
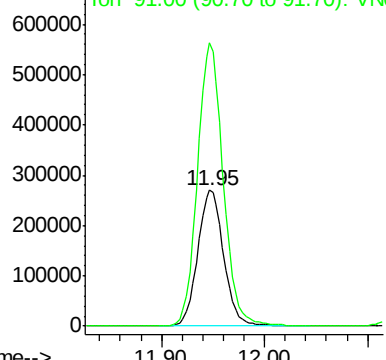
#69
o-Xylene
Concen: 21.369 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 471934
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1

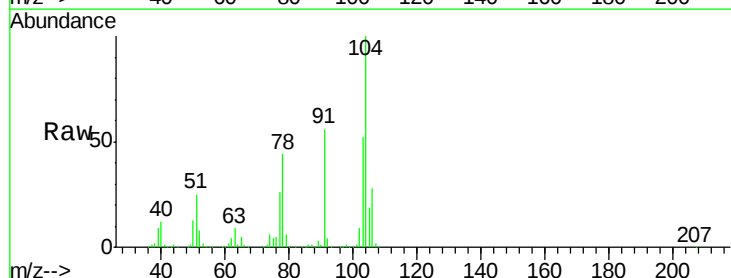


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

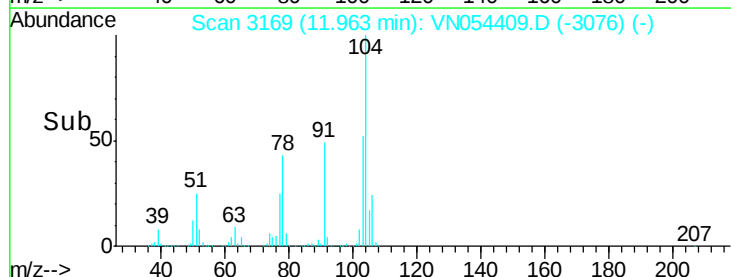
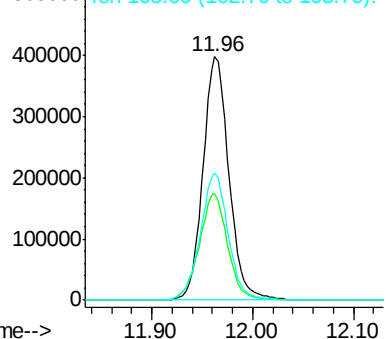


#70
Styrene
Concen: 20.630 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion:104 Resp: 714561
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 56.1 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.576 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

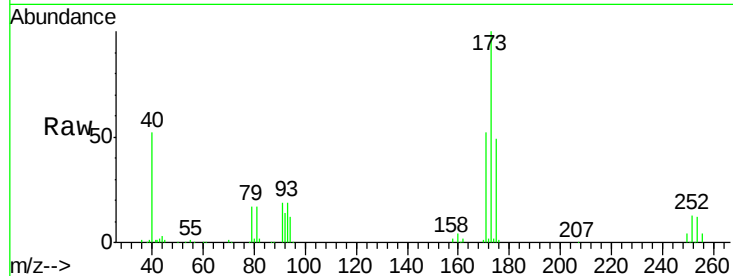
Tot Ion:173 Resp: 154703

Ion Ratio Lower Upper

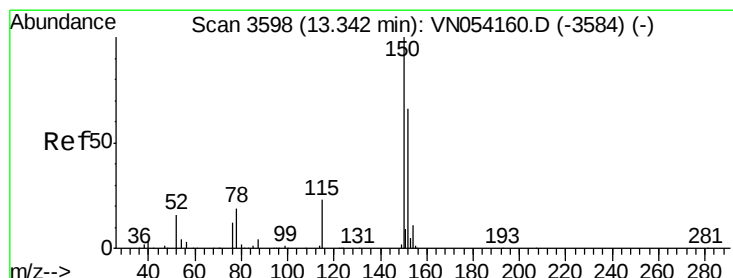
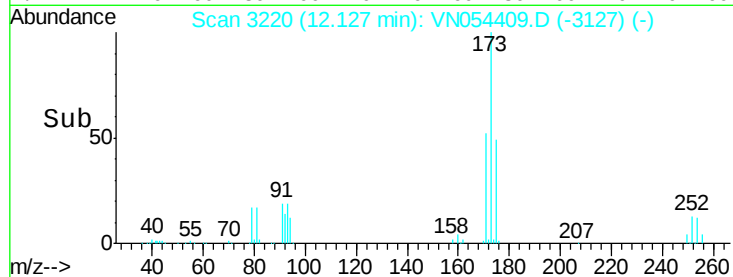
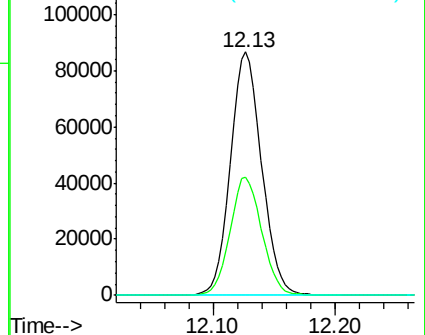
173 100

175 49.3 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: VN054409.D

Acq: 18 Mar 2019 23:06

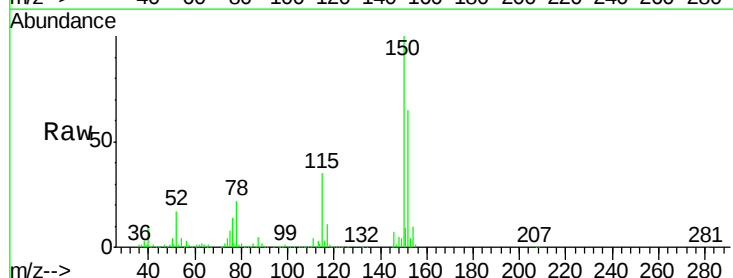
Tgt Ion:152 Resp: 717899

Ion Ratio Lower Upper

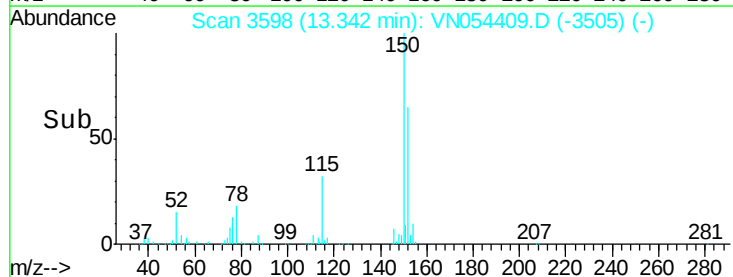
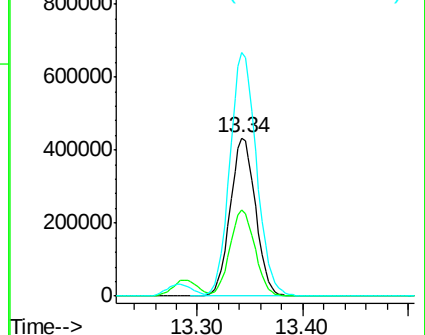
152 100

115 54.0 27.2 81.6

150 161.5 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: 21.106 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

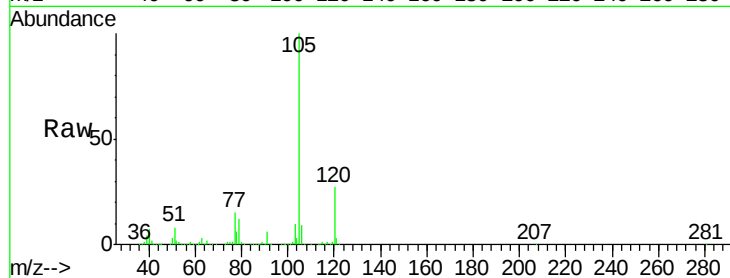
ClientSampled :

Tot Ion:105 Resp: 1212236

Ion Ratio Lower Upper

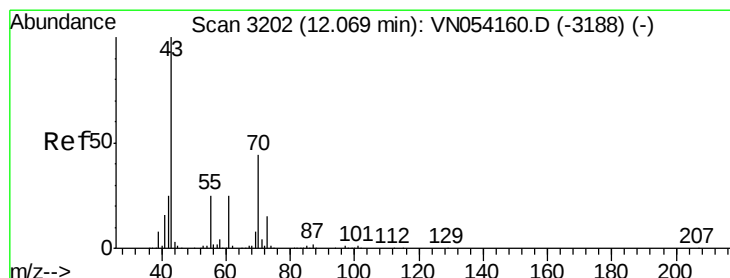
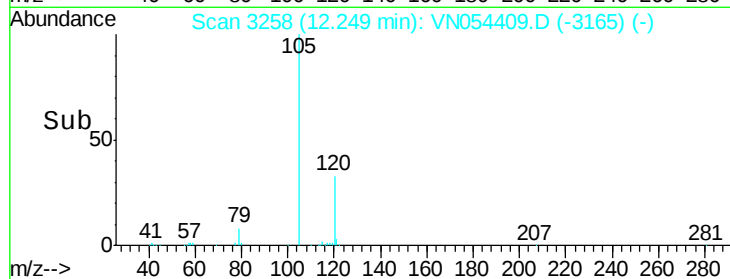
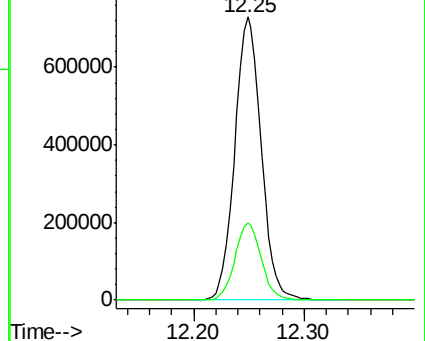
105 100

120 27.2 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: 19.706 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion: 43 Resp: 251234

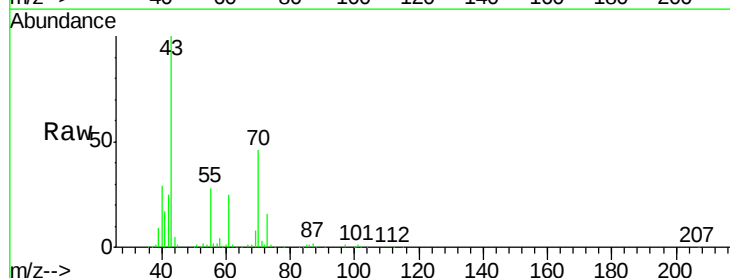
Ion Ratio Lower Upper

43 100

70 46.5 35.4 53.0

55 28.3 19.8 29.6

61 25.5 19.8 29.6

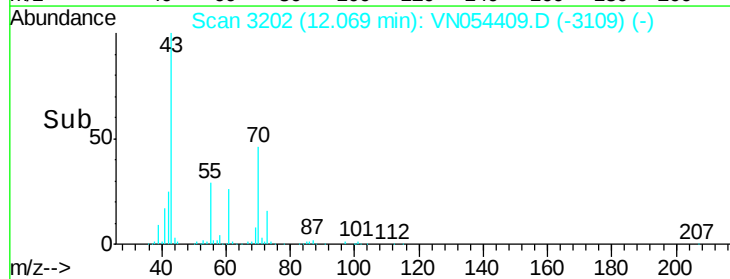
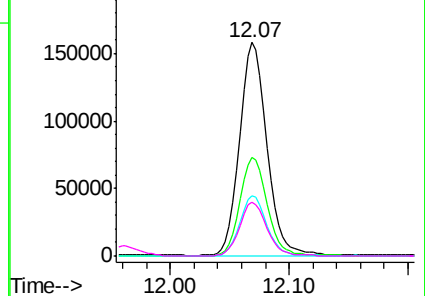


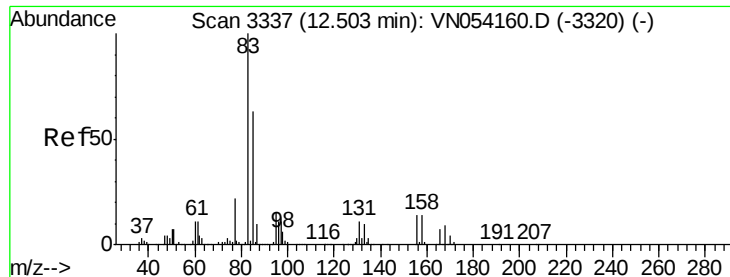
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.511 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

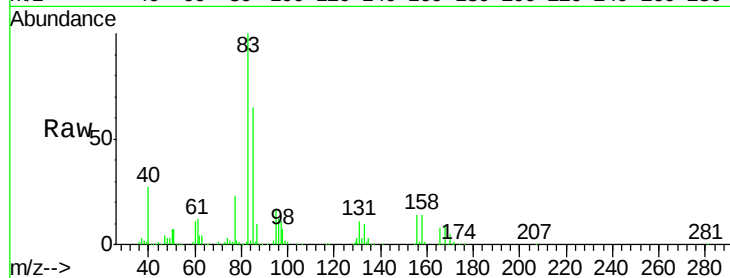
Tot Ion: 83 Resp: 275470

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.8	17.4
85	64.6	32.2	96.6

83 100

131 11.5 5.8 17.4

85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

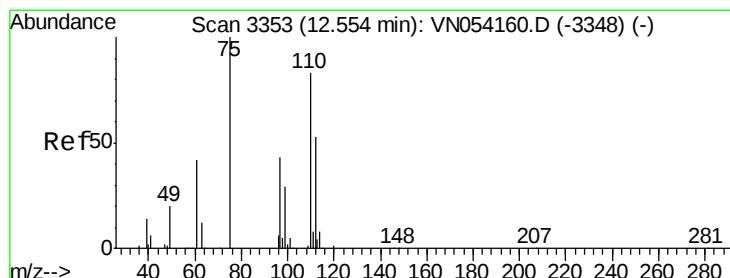
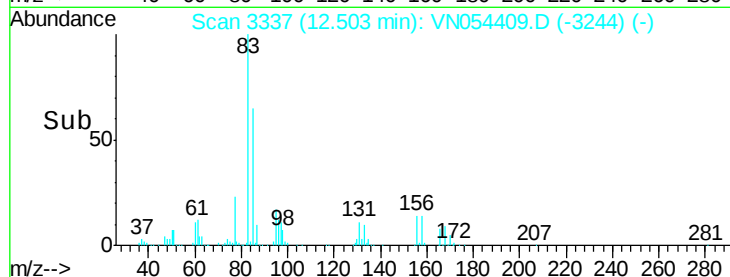
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.298 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054409.D

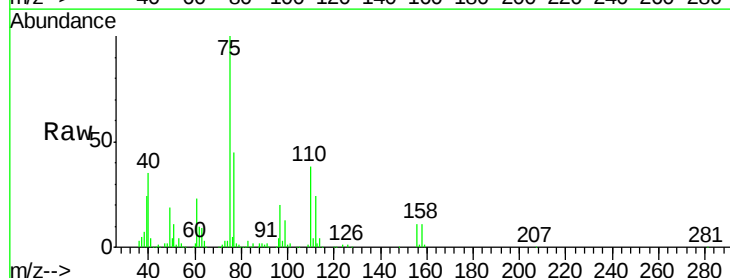
Acq: 18 Mar 2019 23:06

Tgt Ion: 75 Resp: 309305

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

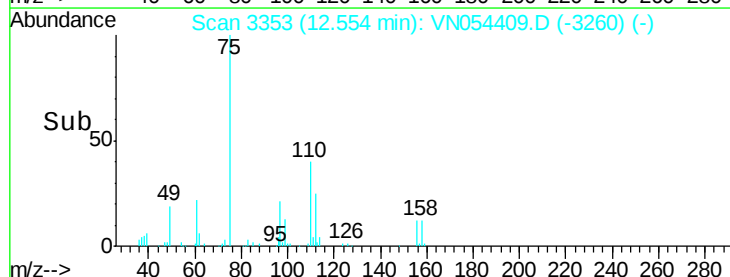
150000

100000

50000

0

Time-->





#77

Bromobenzene

Concen: 21.261 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

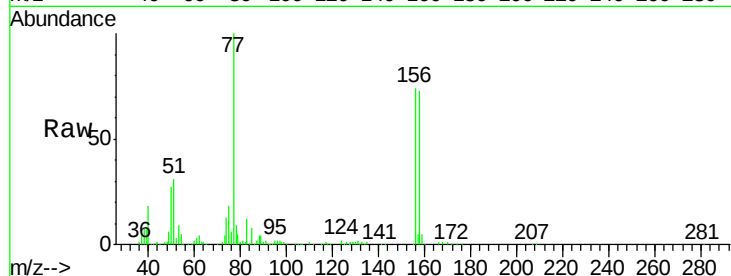
Tot Ion:156 Resp: 323140

Ion Ratio Lower Upper

156 100

77 158.4 81.5 244.4

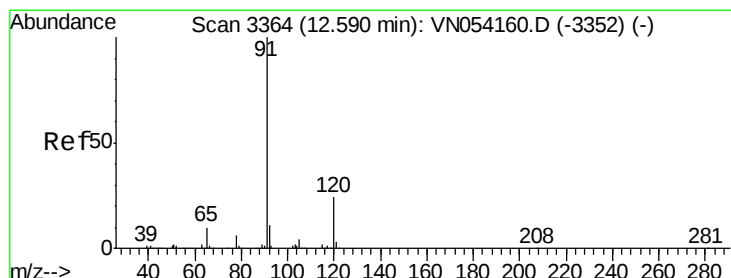
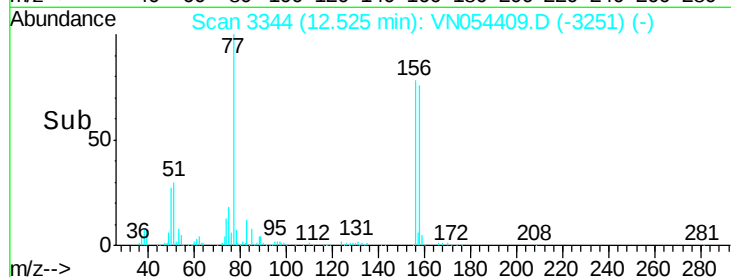
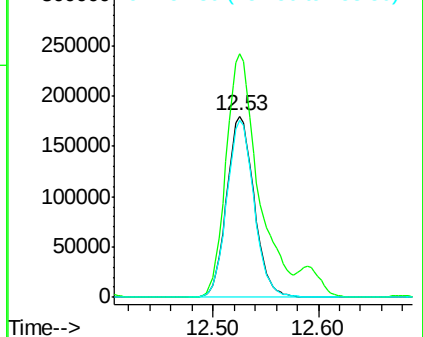
158 97.2 49.0 147.2



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: 20.714 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054409.D

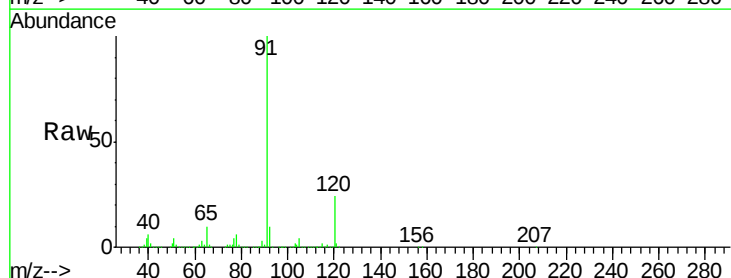
Acq: 18 Mar 2019 23:06

Tgt Ion: 91 Resp: 1290942

Ion Ratio Lower Upper

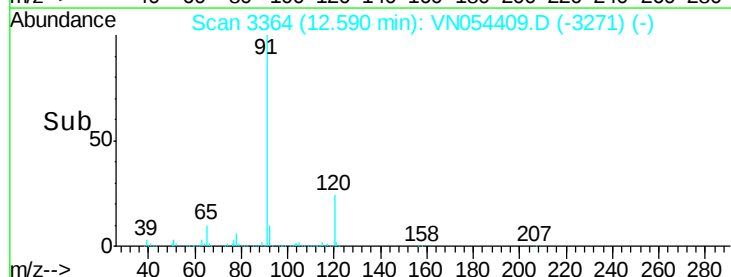
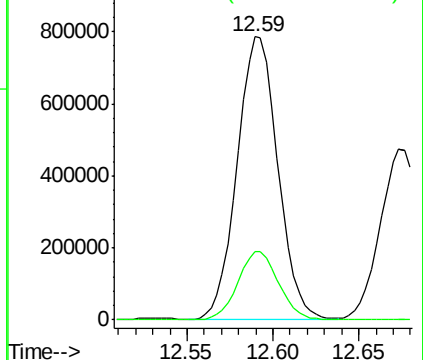
91 100

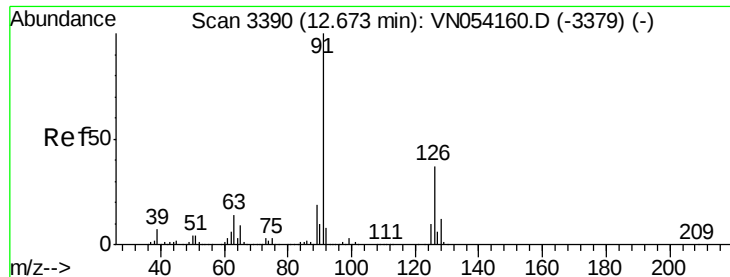
120 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.156 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

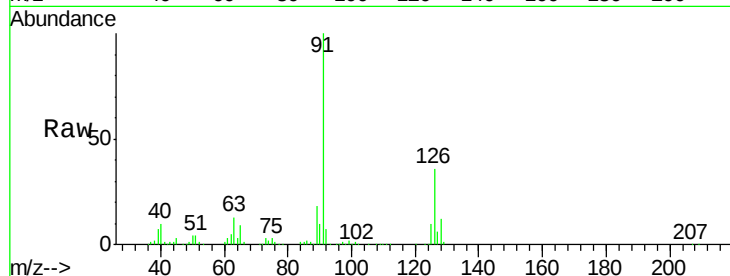
ClientSampleId :

Tot Ion: 91 Resp: 792753

Ion Ratio Lower Upper

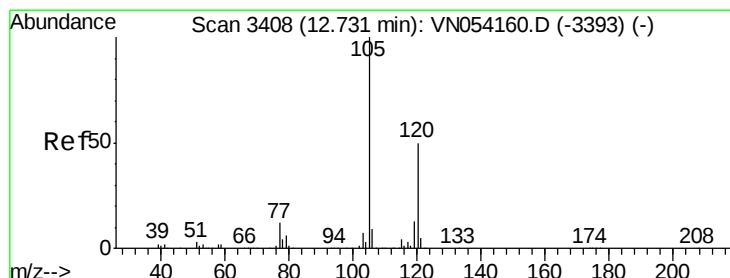
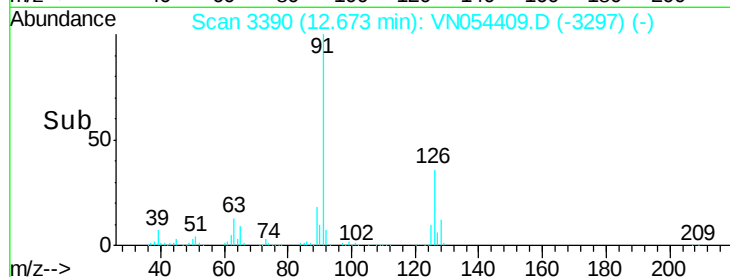
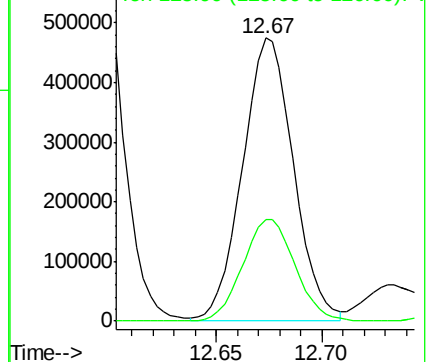
91 100

126 37.3 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.411 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054409.D

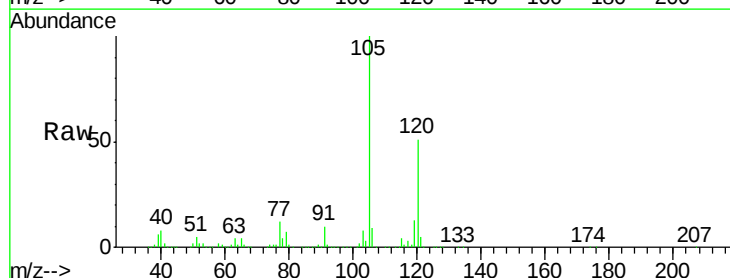
Acq: 18 Mar 2019 23:06

Tgt Ion:105 Resp: 975128

Ion Ratio Lower Upper

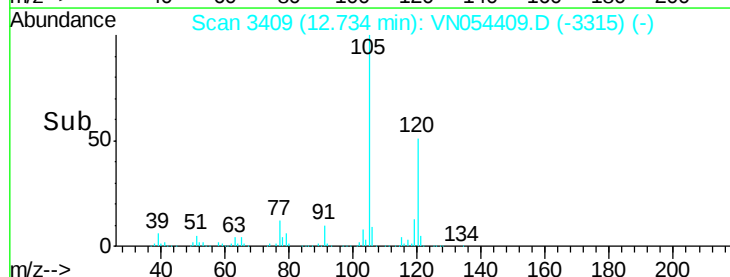
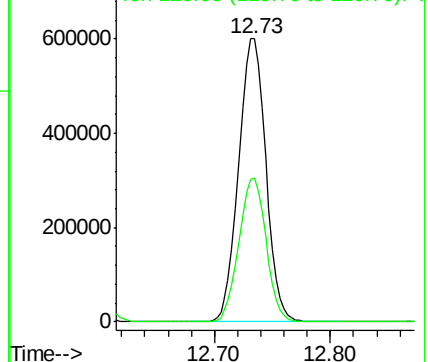
105 100

120 50.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 13.653 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

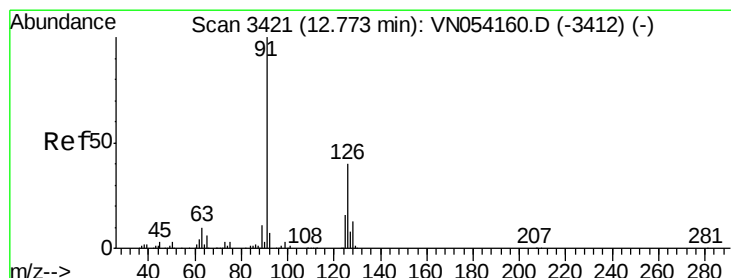
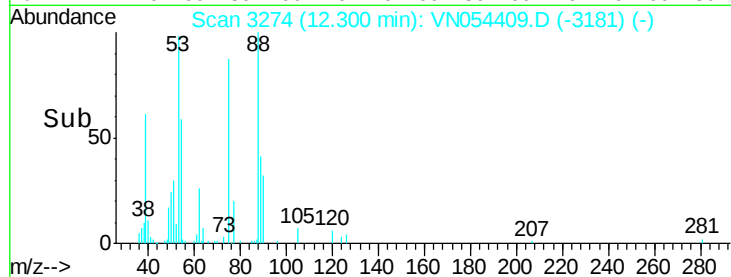
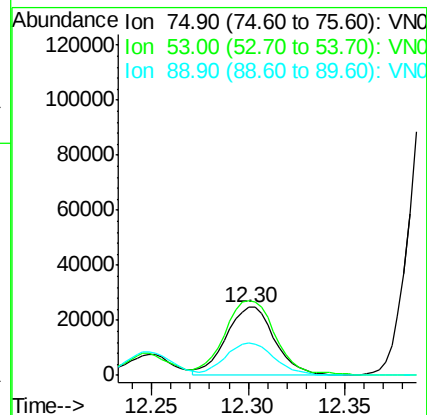
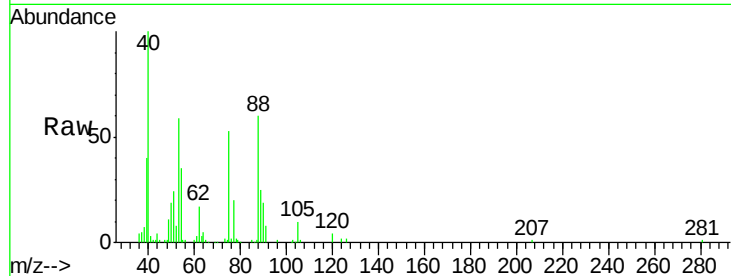
Tot Ion: 75 Resp: 42164

Ion Ratio Lower Upper

75 100

53 118.4 76.2 114.2#

89 49.3 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.583 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054409.D

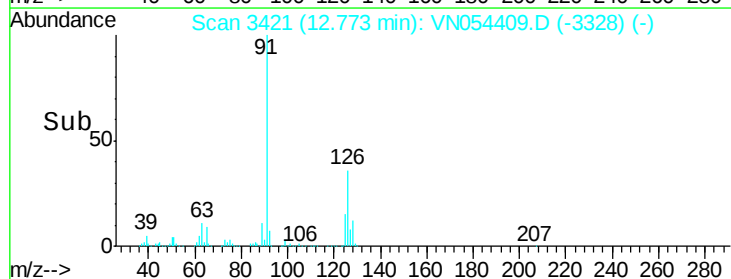
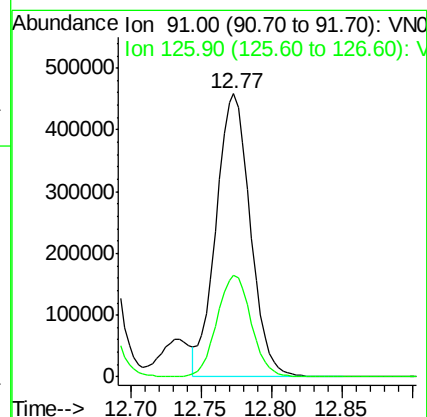
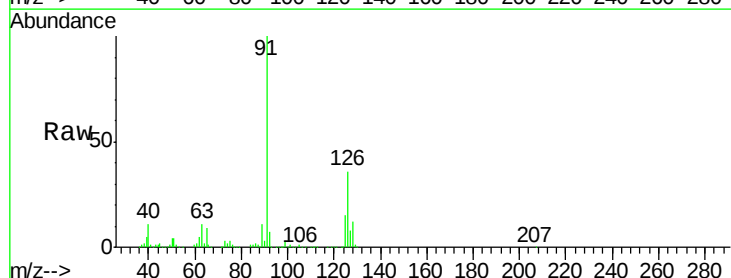
Acq: 18 Mar 2019 23:06

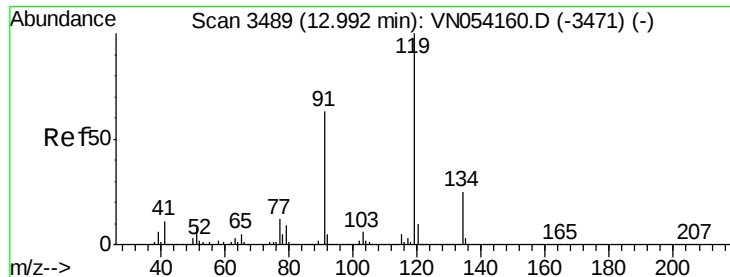
Tgt Ion: 91 Resp: 770176

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.1

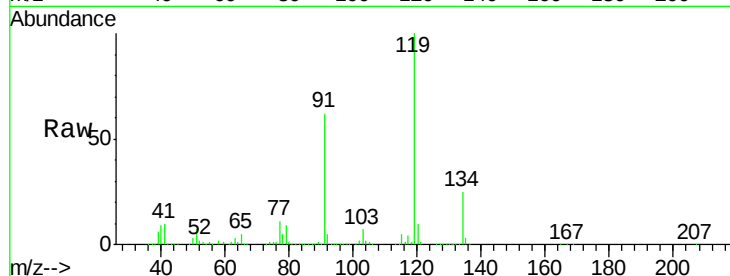




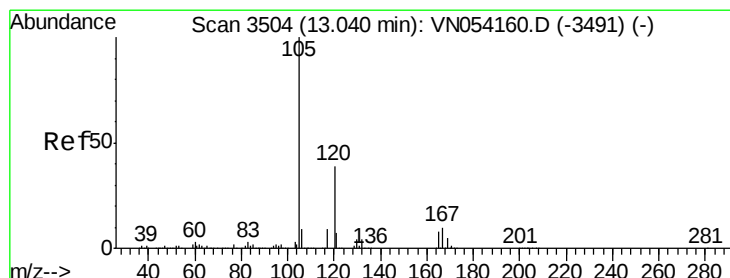
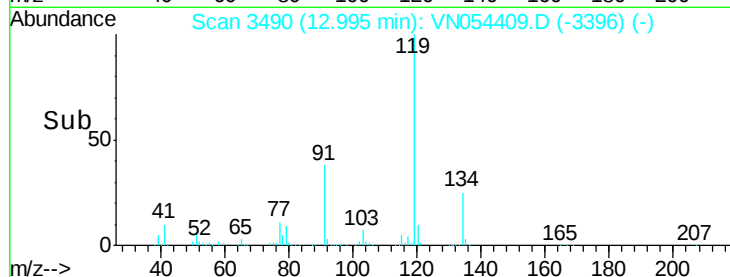
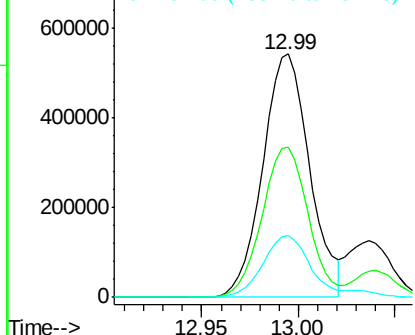
#83
tert-Butylbenzene
Concen: 20.817 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 915405
Ion Ratio Lower Upper
119 100
91 60.5 30.9 92.8
134 27.1 13.2 39.6

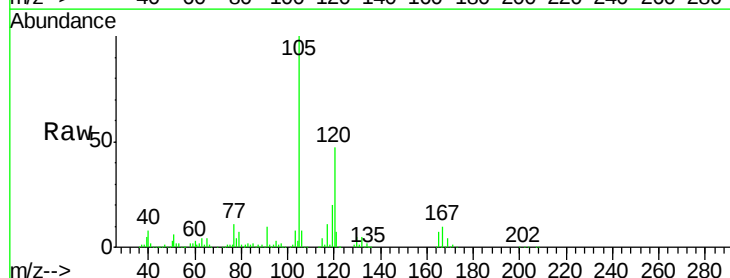


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

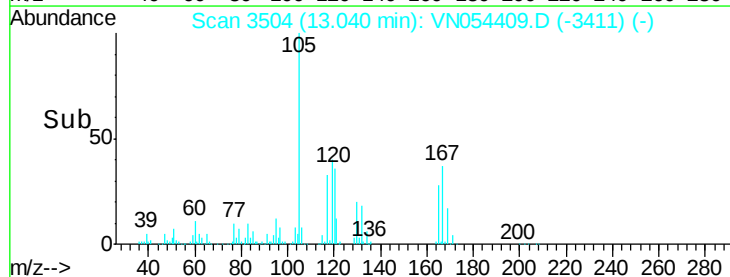
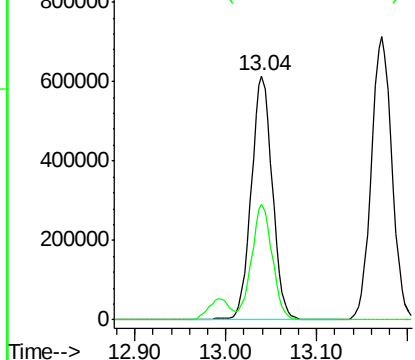


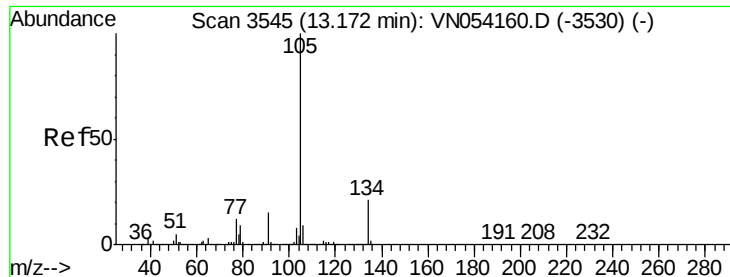
#84
1,2,4-Trimethylbenzene
Concen: 21.050 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion:105 Resp: 986589
Ion Ratio Lower Upper
105 100
120 46.7 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: 19.577 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

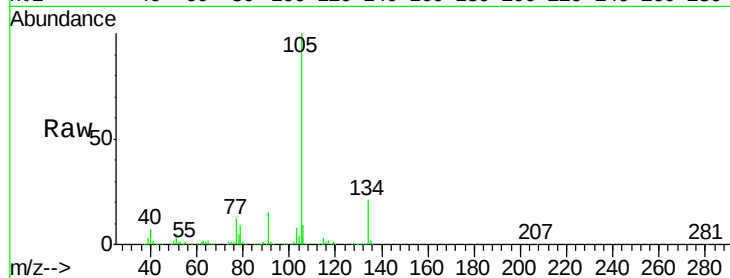
ClientSampled :

Tot Ion:105 Resp: 1116456

Ion Ratio Lower Upper

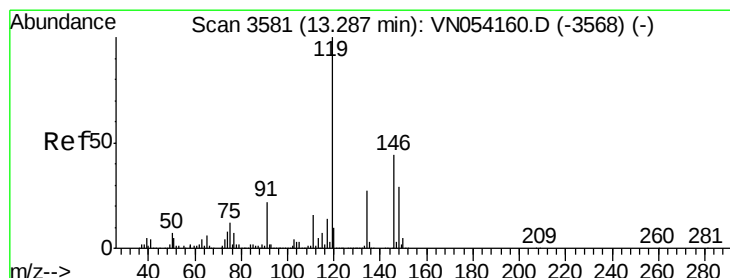
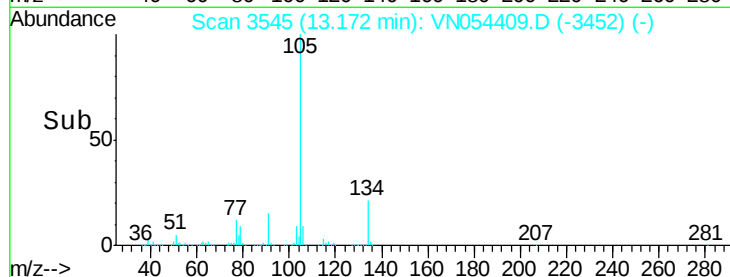
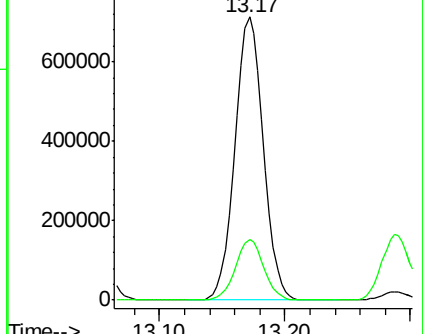
105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.183 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

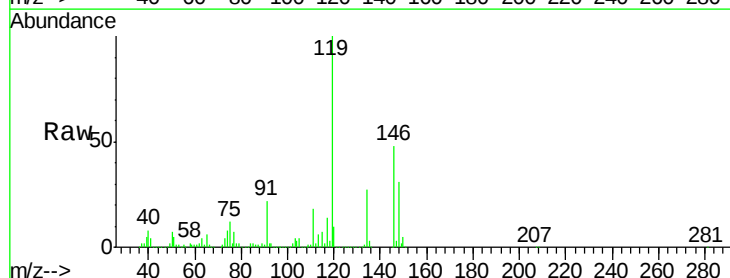
Tgt Ion:119 Resp: 959736

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

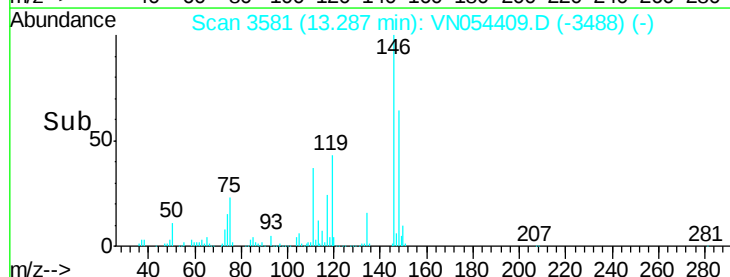
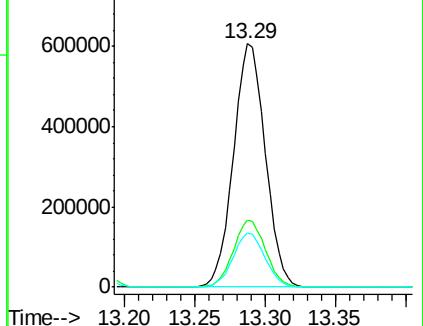
91 22.0 11.1 33.3

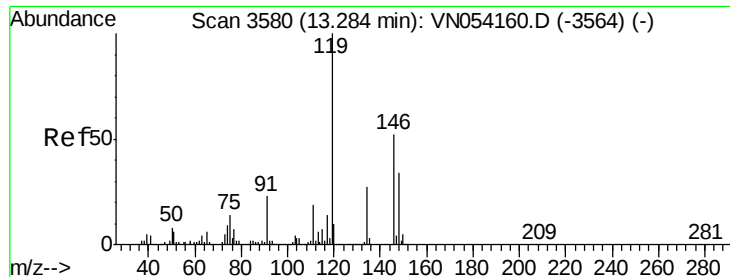


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.688 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

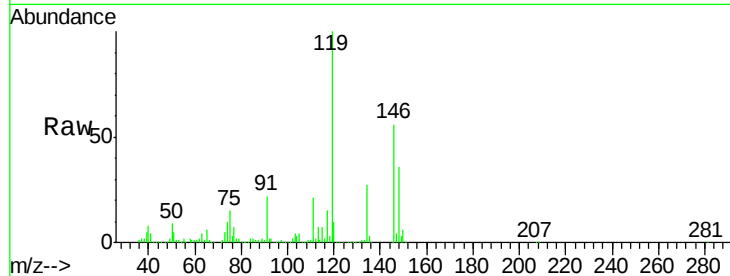
Tot Ion:146 Resp: 529818

Ion Ratio Lower Upper

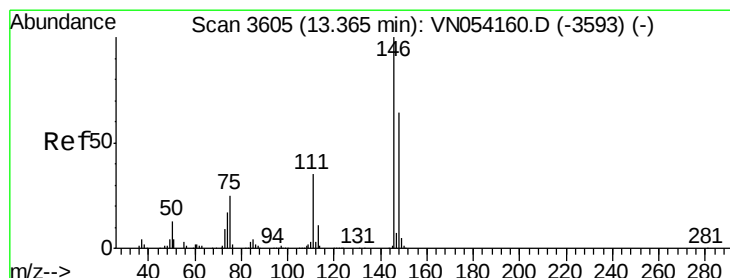
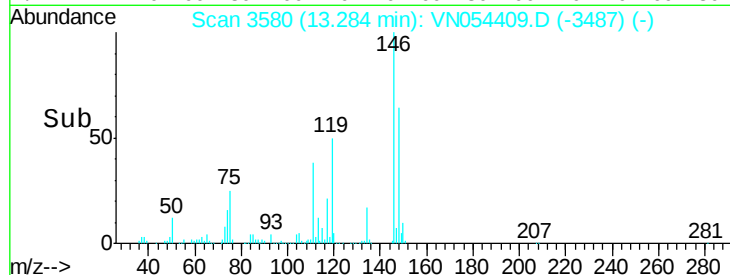
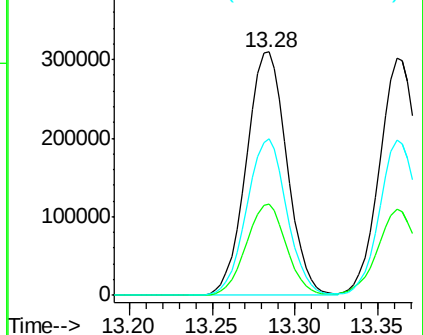
146 100

111 37.1 18.8 56.3

148 63.6 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 19.924 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

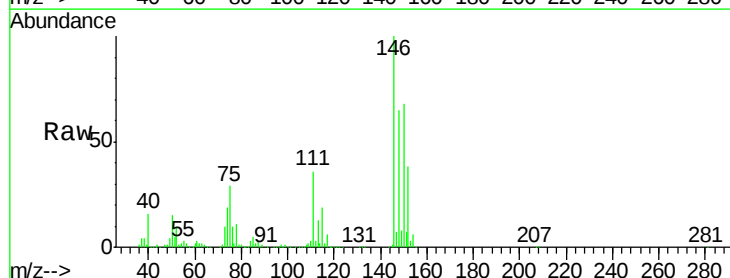
Tgt Ion:146 Resp: 501252

Ion Ratio Lower Upper

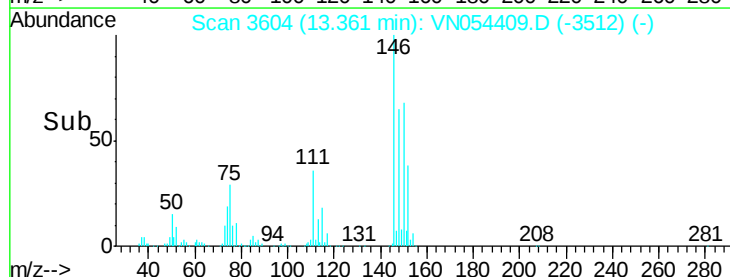
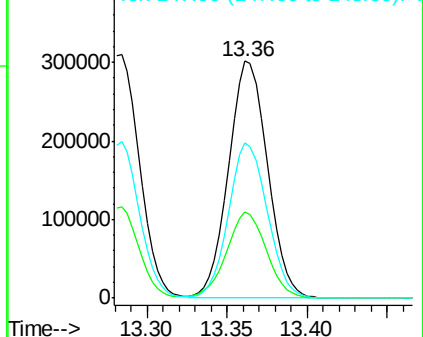
146 100

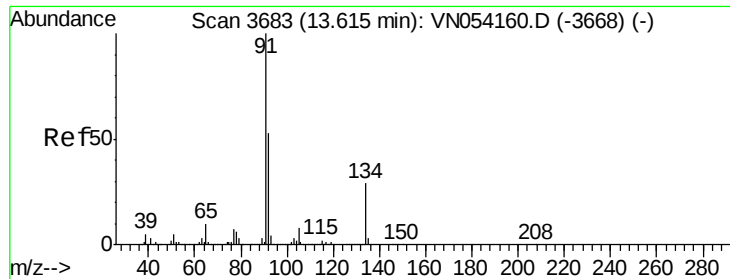
111 37.0 18.1 54.1

148 65.2 32.0 96.0



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





#89

n-Butylbenzene

Concen: 17.591 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

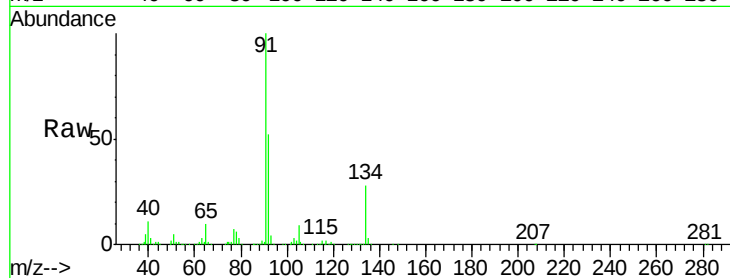
Tot Ion: 91 Resp: 668719

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.6

134 28.2 14.3 42.9

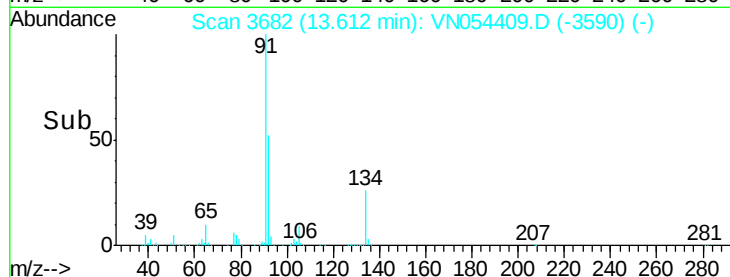


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->

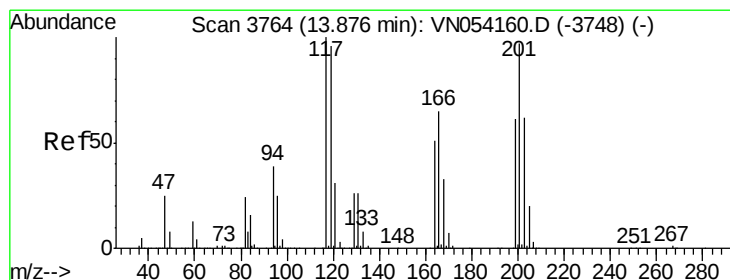


Abundance Ion 91.00 (90.70 to 91.70): VN054409.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054409.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054409.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 17.797 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054409.D

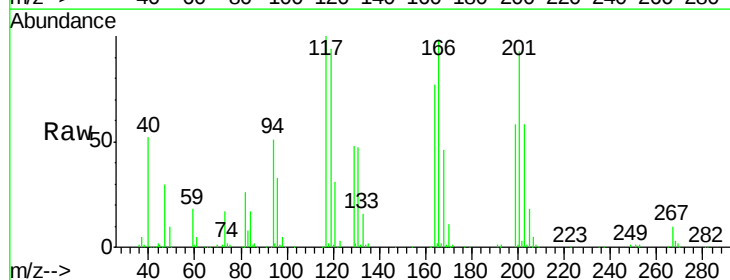
Acq: 18 Mar 2019 23:06

Tgt Ion: 117 Resp: 147439

Ion Ratio Lower Upper

117 100

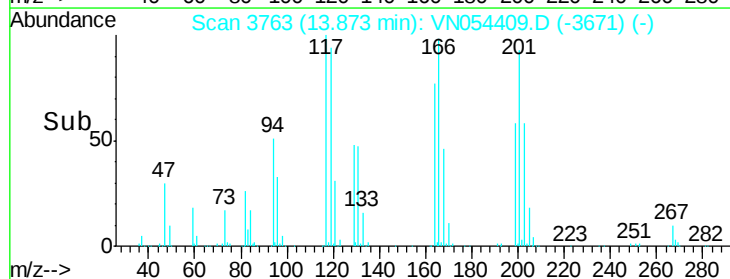
201 92.9 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054409.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054409.D (-3671) (-)

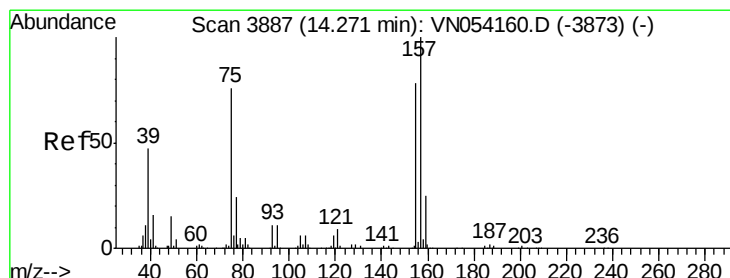
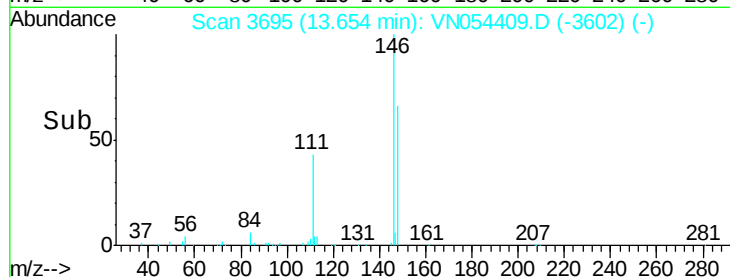
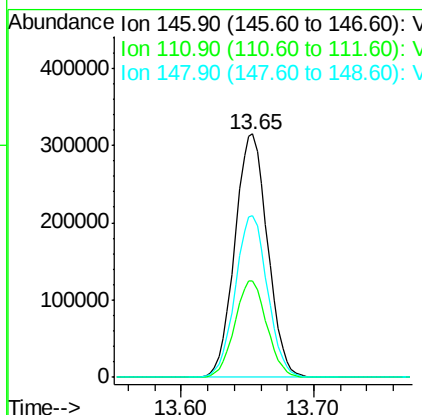
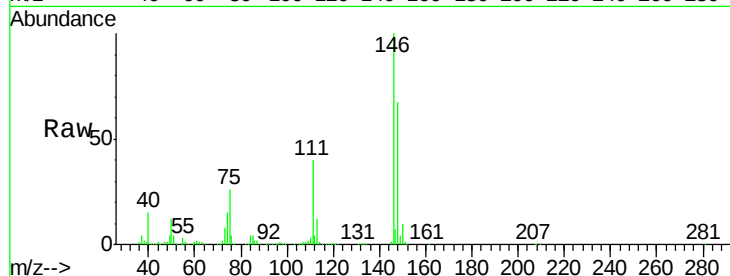
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 21.555 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

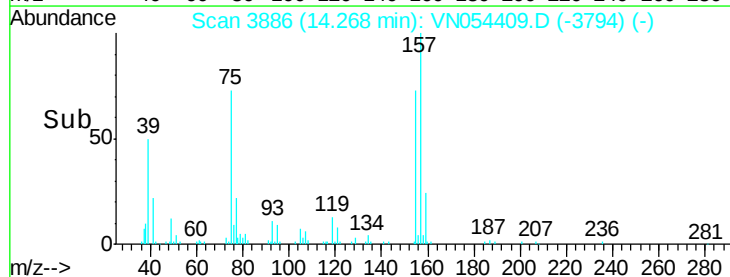
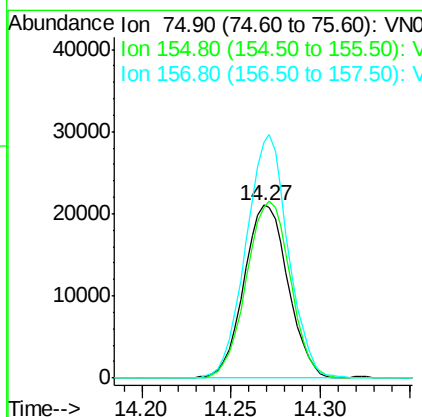
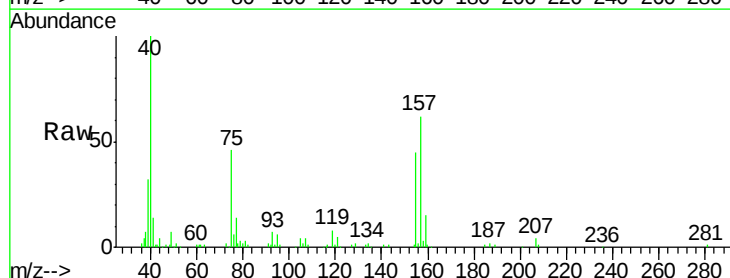
Instrument :
 MSVOA_N
 ClientSampleId :

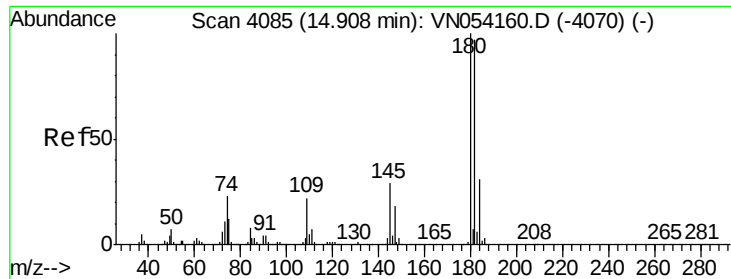
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	65.3	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.177 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	50.1	150.3
157	134.6	63.1	189.3

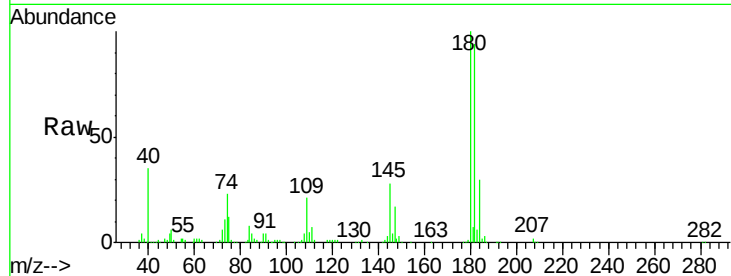




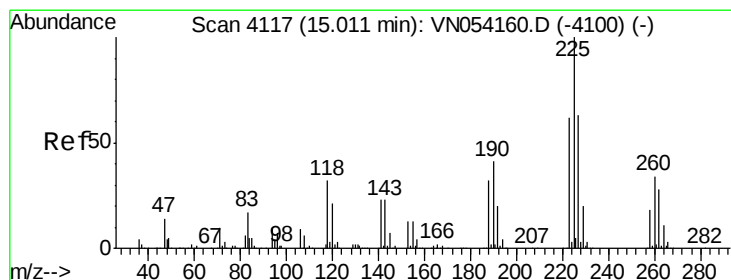
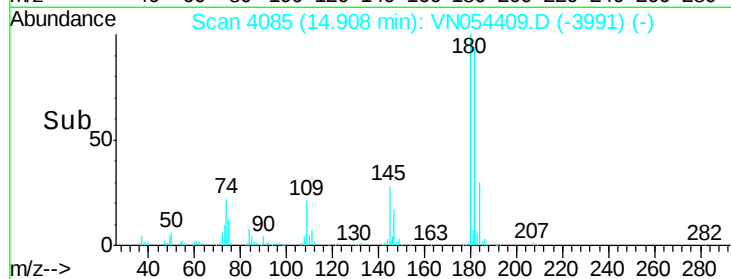
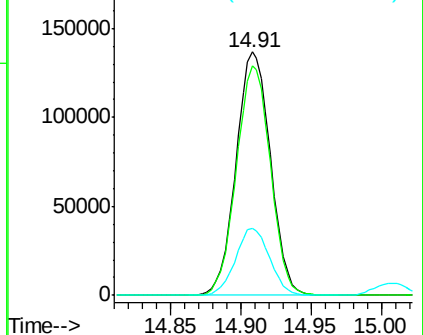
#93
 1,2,4-Trichlorobenzene
 Concen: 17.198 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.0	144.2
145	27.4	14.2	42.8

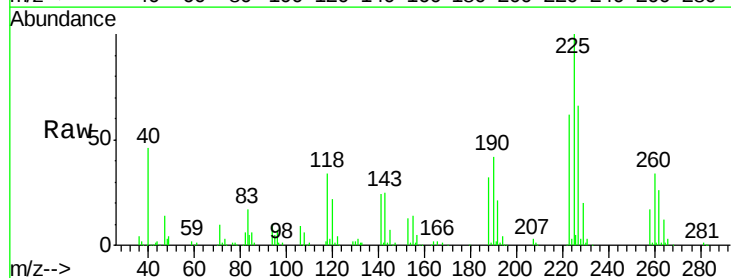


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

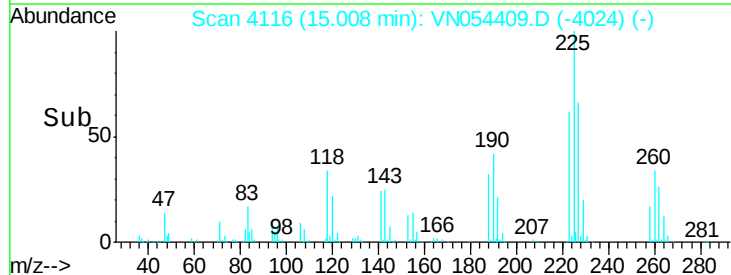
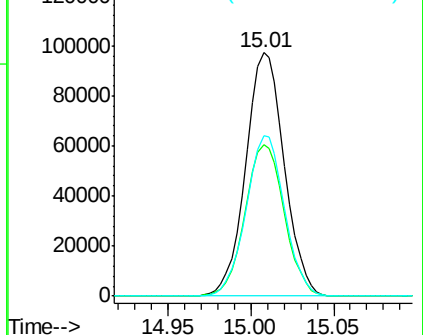


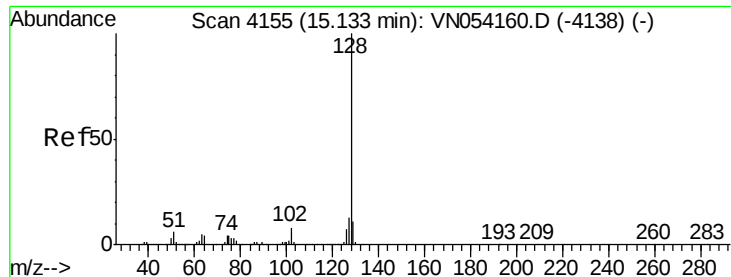
#94
 Hexachlorobutadiene
 Concen: 16.507 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	65.7	31.9	95.9



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





#95

Naphthalene

Concen: 18.204 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

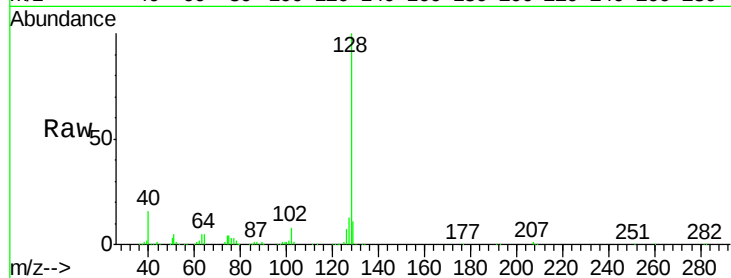
Tot Ion:128 Resp: 498540

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

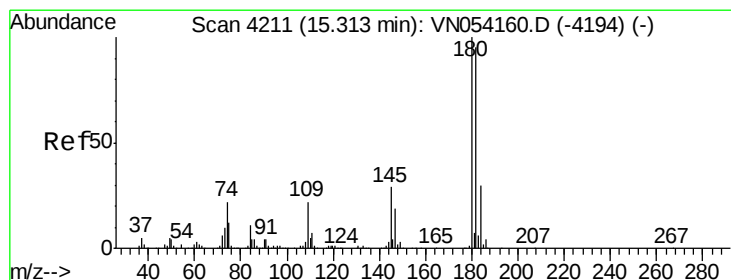
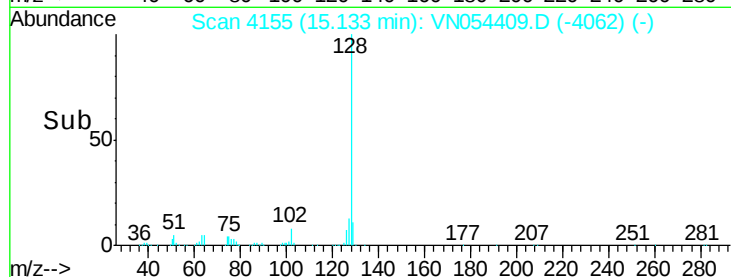
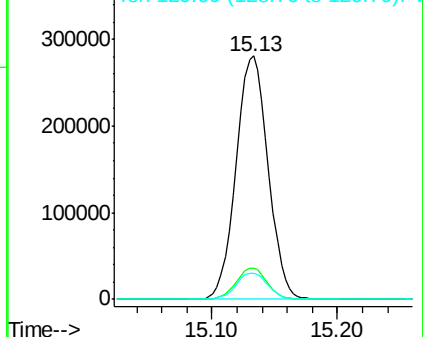
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.960 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

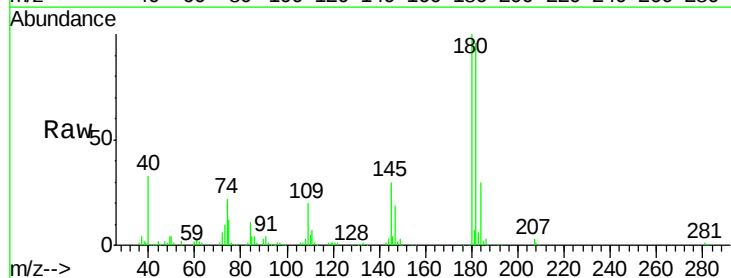
Tgt Ion:180 Resp: 238906

Ion Ratio Lower Upper

180 100

182 97.3 47.5 142.6

145 29.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

