

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054229.D
 Acq On : 13 Mar 2019 23:34
 Operator : JC/SP
 Sample : VN0313WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:23:02 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	7.66	168	1341070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2108178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1871738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	891004	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	754780	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	683710	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.09	98	2498996	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	860897	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	281661	22.161	ug/l	100
3) Chloromethane	2.06	50	257210	20.833	ug/l	99
4) Vinyl Chloride	2.19	62	299191	21.202	ug/l	99
5) Bromomethane	2.57	94	181829	18.605	ug/l	99
6) Chloroethane	2.71	64	177058	20.738	ug/l	99
7) Trichlorofluoromethane	3.02	101	386492	20.600	ug/l	99
8) Diethyl Ether	3.41	74	191766	22.430	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	307862	21.898	ug/l	99
10) Methyl Iodide	3.94	142	282347	15.215	ug/l	99
11) Tert butyl alcohol	4.82	59	91328	93.539	ug/l	97
12) 1,1-Dichloroethene	3.73	96	310253	22.269	ug/l	99
13) Acrolein	3.61	56	67863	73.350	ug/l	98
14) Allyl chloride	4.32	41	363486	20.334	ug/l	98
15) Acrylonitrile	5.00	53	436262	108.777	ug/l	99
16) Acetone	3.82	43	325588	79.843	ug/l	100
17) Carbon Disulfide	4.04	76	656830	18.806	ug/l	100
18) Methyl Acetate	4.33	43	191076	23.160	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	755197	21.868	ug/l	98
20) Methylene Chloride	4.55	84	290731	21.713	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	286527	21.464	ug/l	99
22) Diisopropyl ether	5.96	45	778065	21.809	ug/l	97
23) Vinyl Acetate	5.90	43	2746765	104.422	ug/l	100
24) 1,1-Dichloroethane	5.85	63	500115	21.832	ug/l	98
25) 2-Butanone	6.85	43	480145	100.319	ug/l	99
26) 2,2-Dichloropropane	6.82	77	331885	16.475	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	336110	22.569	ug/l	95
28) Bromochloromethane	7.19	49	193684	20.682	ug/l	97
29) Tetrahydrofuran	7.22	42	323028	104.970	ug/l	99
30) Chloroform	7.37	83	528620	22.115	ug/l	98
31) Cyclohexane	7.65	56	458644	20.696	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	461553	21.380	ug/l	100
36) 1,1-Dichloropropene	7.79	75	394892	20.340	ug/l	99
37) Ethyl Acetate	6.94	43	225903	20.251	ug/l #	94
38) Carbon Tetrachloride	7.77	117	389073	19.110	ug/l	100

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 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:23:02 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	473647	19.828	ug/l	99
40) Benzene	8.04	78	1174793	21.146	ug/l	100
41) Methacrylonitrile	7.18	41	117692	18.478	ug/l	94
42) 1,2-Dichloroethane	8.13	62	390823	20.836	ug/l	100
43) Isopropyl Acetate	8.17	43	377588	19.284	ug/l	99
44) Trichloroethene	8.84	130	358764	20.788	ug/l	98
45) 1,2-Dichloropropane	9.12	63	294978	21.383	ug/l	99
46) Dibromomethane	9.21	93	191446	20.539	ug/l	98
47) Bromodichloromethane	9.40	83	385144	20.612	ug/l	97
48) Methyl methacrylate	9.20	41	205236	20.654	ug/l	99
49) 1,4-Dioxane	9.20	88	58326	414.966	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1063243	102.607	ug/l	100
52) Toluene	10.16	92	740929	21.033	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	352263	17.814	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	420849	19.327	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	271415	21.101	ug/l	98
56) Ethyl methacrylate	10.43	69	313647	20.450	ug/l	99
57) 1,3-Dichloropropane	10.71	76	441610	20.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	558446	95.107	ug/l	100
59) 2-Hexanone	10.75	43	671325	97.364	ug/l	99
60) Dibromochloromethane	10.90	129	284023	19.618	ug/l	99
61) 1,2-Dibromoethane	11.00	107	274709	21.016	ug/l	99
64) Tetrachloroethene	10.63	164	368592	20.368	ug/l	99
65) Chlorobenzene	11.43	112	850558	20.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	300772	20.146	ug/l	99
67) Ethyl Benzene	11.51	91	1385940	20.343	ug/l	99
68) m/p-Xylenes	11.62	106	1090268	40.945	ug/l	100
69) o-Xylene	11.95	106	536739	20.678	ug/l	99
70) Styrene	11.96	104	846893	20.803	ug/l	100
71) Bromoform	12.13	173	182602	17.641	ug/l #	99
73) Isopropylbenzene	12.25	105	1417720	19.888	ug/l	100
74) N-amyl acetate	12.07	43	305463	19.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	306339	20.170	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	358703	27.376	ug/l #	100
77) Bromobenzene	12.53	156	382847	20.296	ug/l	97
78) n-propylbenzene	12.59	91	1544992	19.974	ug/l	100
79) 2-Chlorotoluene	12.67	91	928533	19.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1178867	19.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55786	14.554	ug/l	88
82) 4-Chlorotoluene	12.77	91	922186	19.858	ug/l	99
83) tert-Butylbenzene	12.99	119	1090498	19.981	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1174374	20.188	ug/l	100
85) sec-Butylbenzene	13.17	105	1395069	19.710	ug/l	100
86) p-Isopropyltoluene	13.29	119	1223774	19.708	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	649125	20.422	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	630024	20.177	ug/l	99
89) n-Butylbenzene	13.61	91	925878	19.624	ug/l	100
90) Hexachloroethane	13.87	117	178642	17.374	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	645188	20.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43786	18.631	ug/l	98

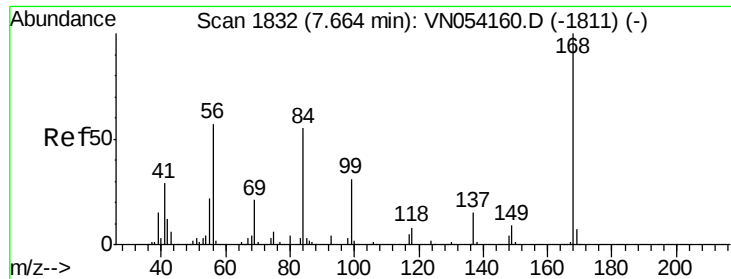
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	334343	19.442	ug/l	100
94) Hexachlorobutadiene	15.01	225	227210	19.197	ug/l	98
95) Naphthalene	15.13	128	668774	19.395	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	345765	20.943	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

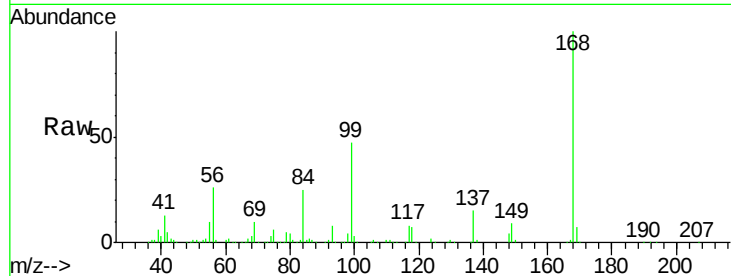
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1341070

Ion Ratio Lower Upper

168 100

99 46.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

600000

500000

400000

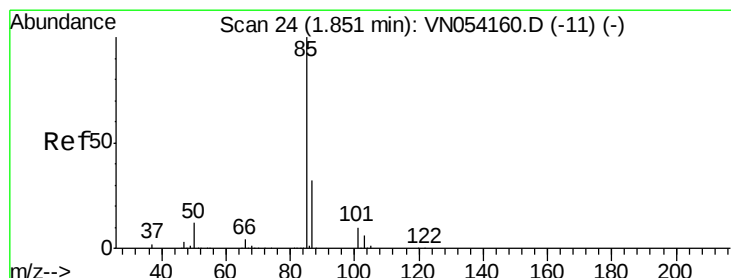
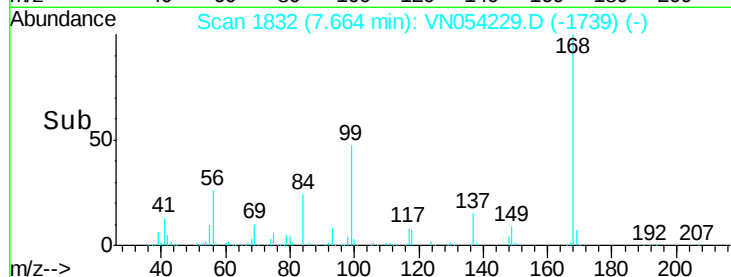
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.161 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054229.D

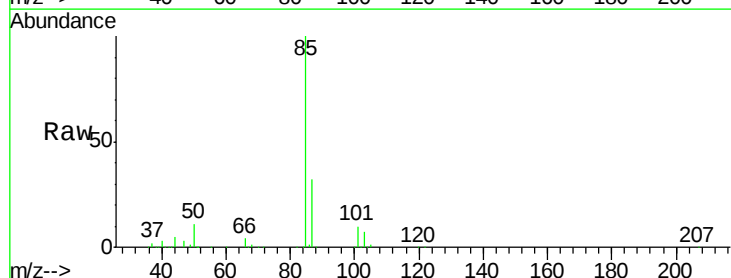
Acq: 13 Mar 2019 23:34

Tgt Ion: 85 Resp: 281661

Ion Ratio Lower Upper

85 100

87 31.6 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

200000

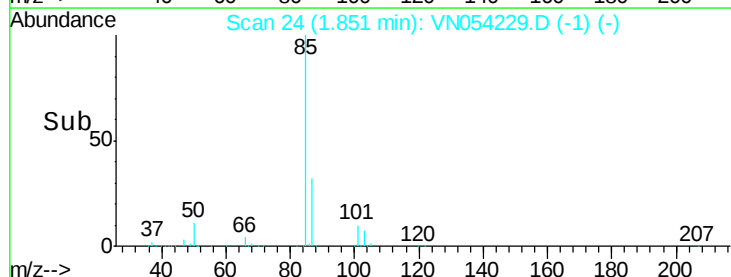
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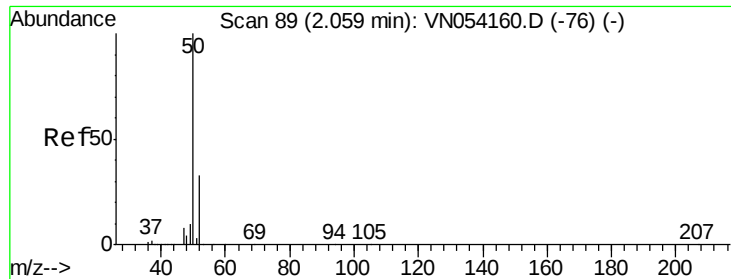
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.833 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

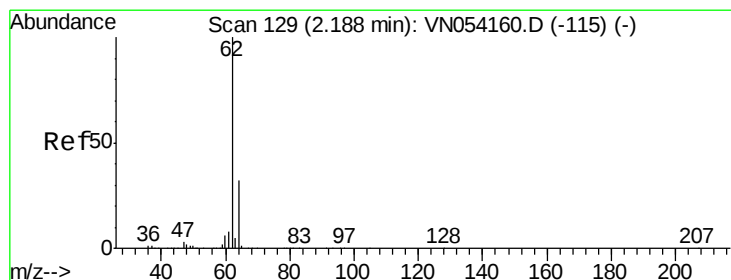
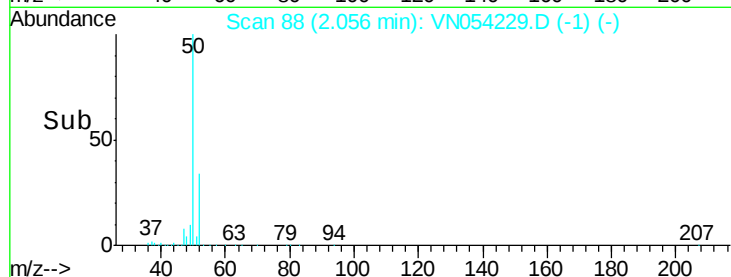
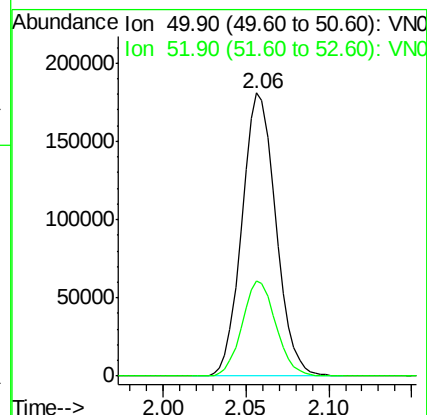
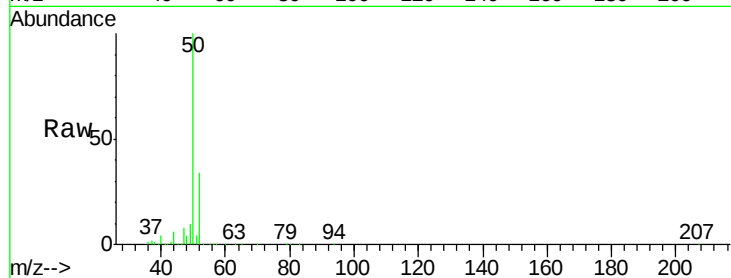
ClientSampleId :

Tot Ion: 50 Resp: 257210

Ion Ratio Lower Upper

50 100

52 33.8 26.4 39.6



#4

Vinyl Chloride

Concen: 21.202 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054229.D

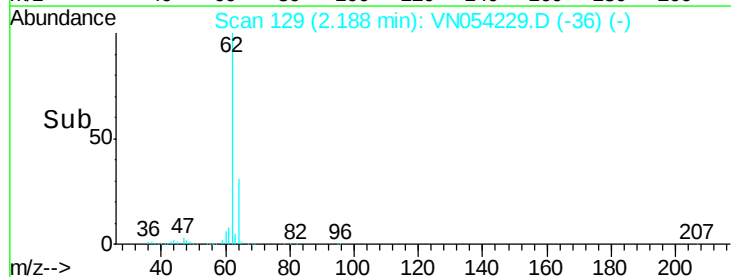
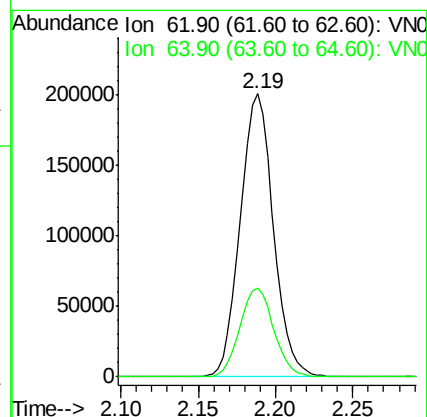
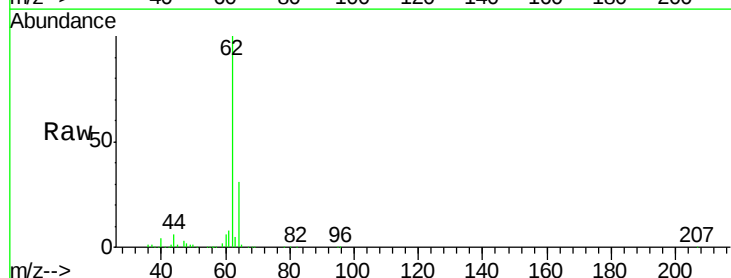
Acq: 13 Mar 2019 23:34

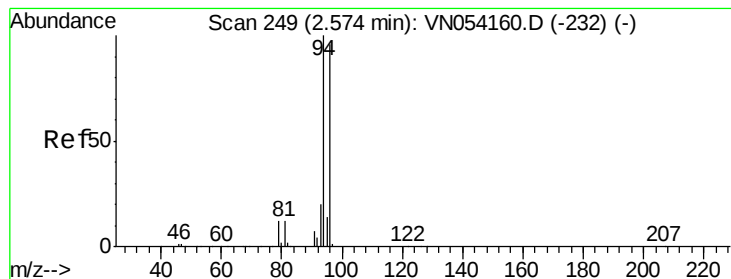
Tgt Ion: 62 Resp: 299191

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 18.605 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

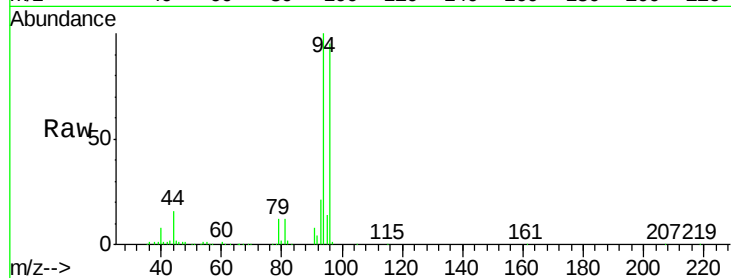
ClientSampleId :

Tot Ion: 94 Resp: 181829

Ion Ratio Lower Upper

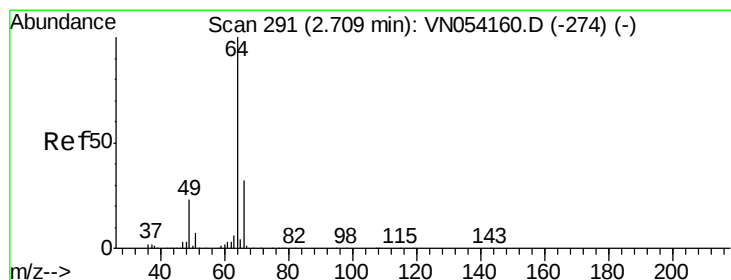
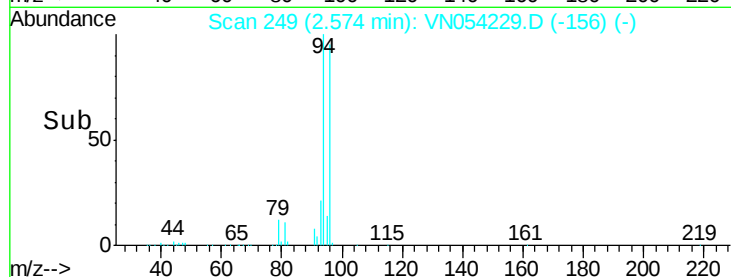
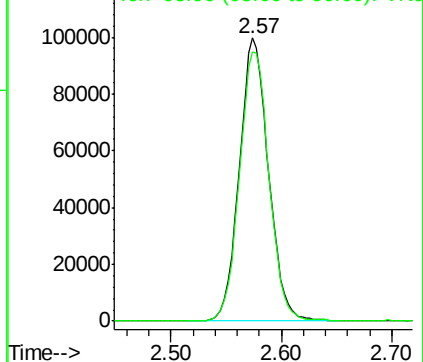
94 100

96 94.9 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.738 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054229.D

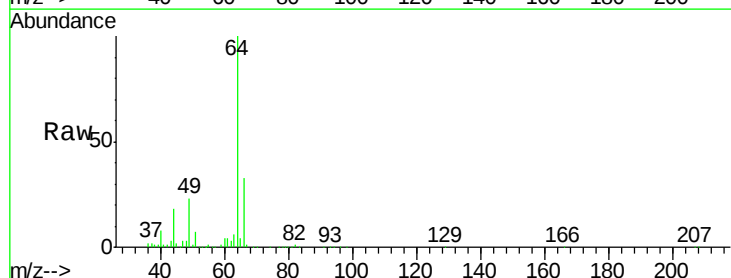
Acq: 13 Mar 2019 23:34

Tgt Ion: 64 Resp: 177058

Ion Ratio Lower Upper

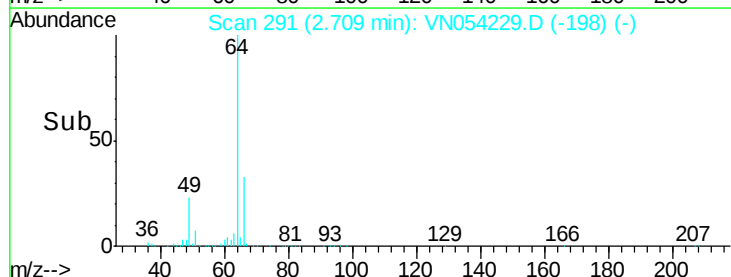
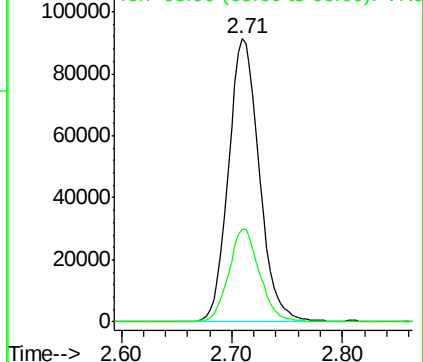
64 100

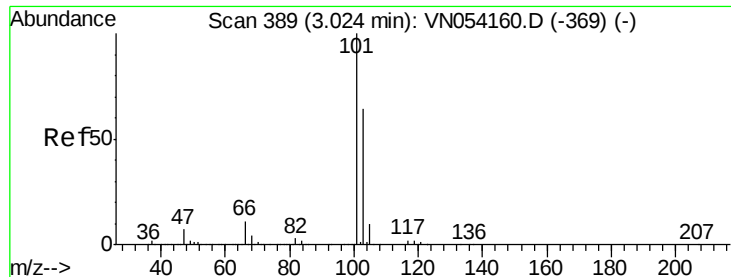
66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



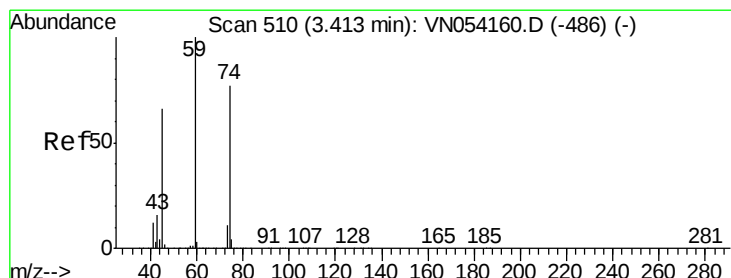
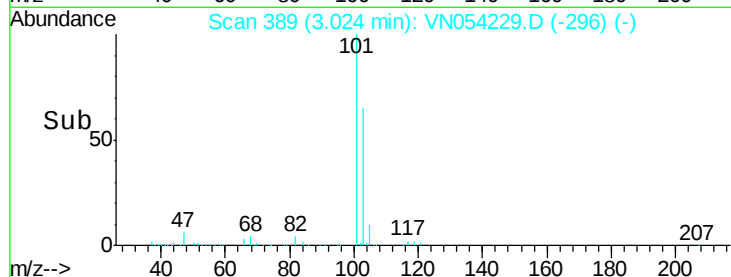
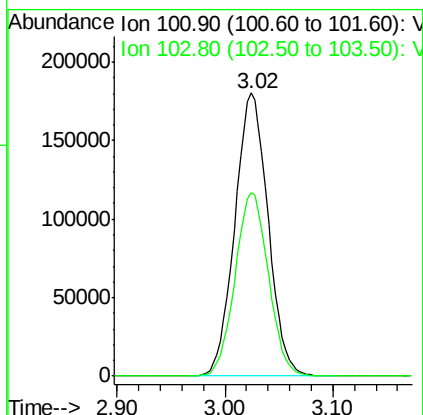
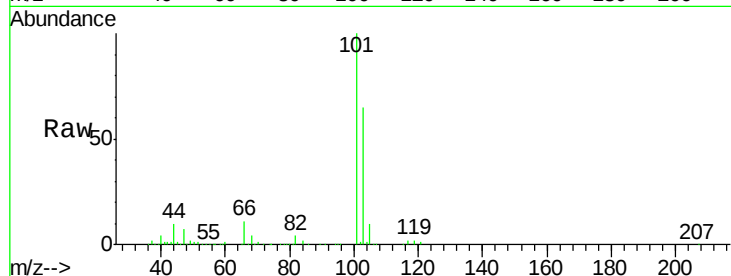


#7

Trichlorofluoromethane
Concen: 20.600 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :

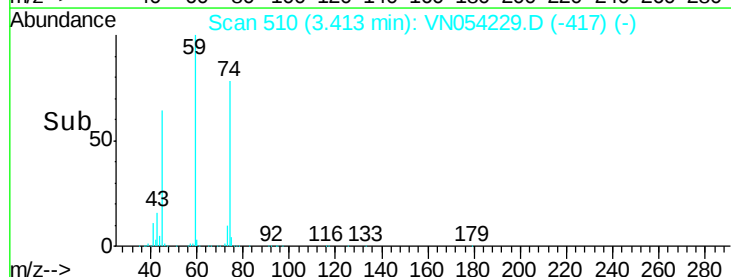
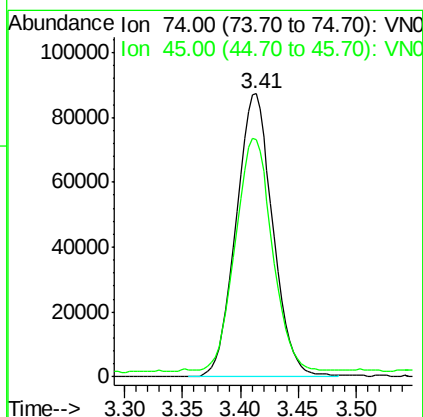
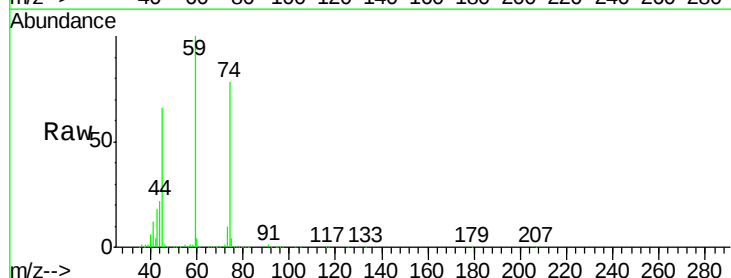
Tot Ion:101 Resp: 386492
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2

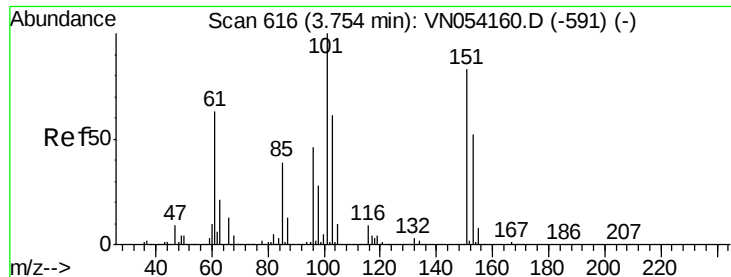


#8

Diethyl Ether
Concen: 22.430 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 74 Resp: 191766
Ion Ratio Lower Upper
74 100
45 82.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.898 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

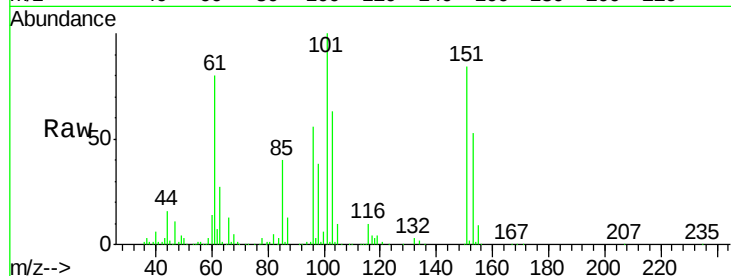
Tot Ion:101 Resp: 307862

Ion Ratio Lower Upper

101 100

85 41.2 32.4 48.6

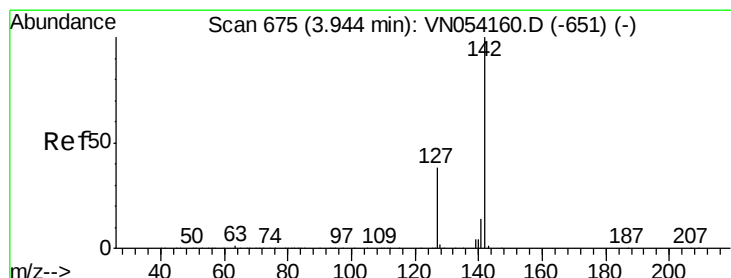
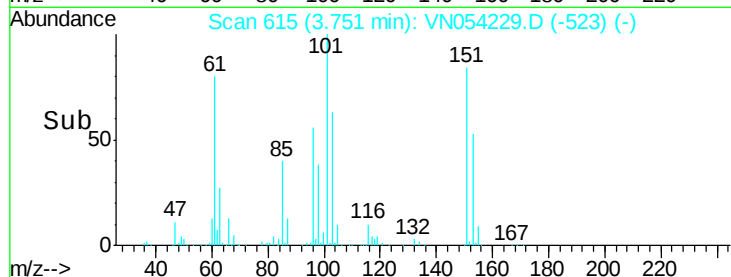
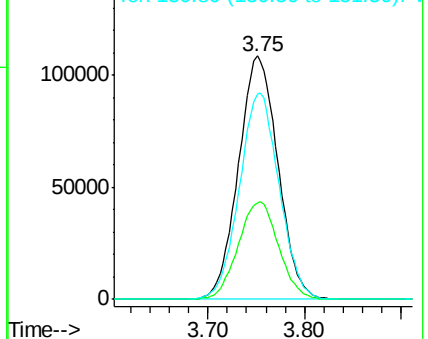
151 85.4 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.215 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

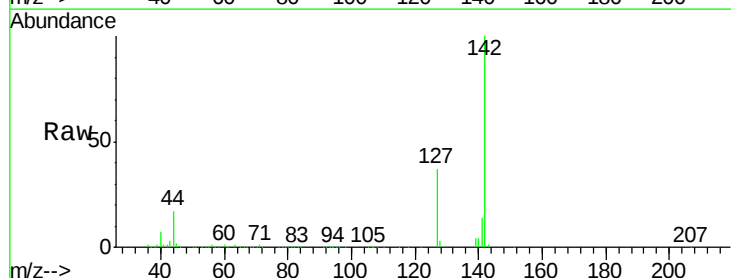
Tgt Ion:142 Resp: 282347

Ion Ratio Lower Upper

142 100

127 37.1 30.3 45.5

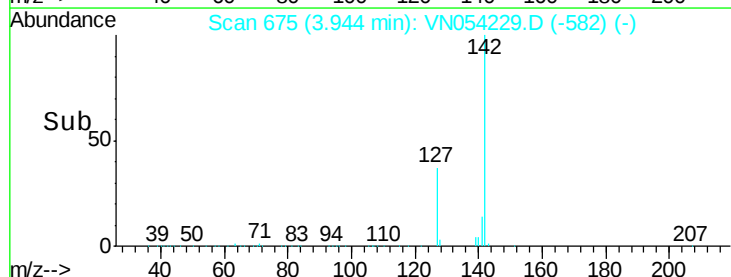
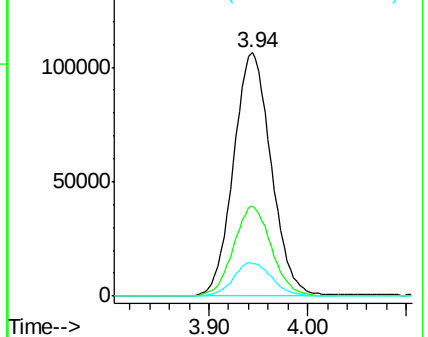
141 14.0 11.2 16.8

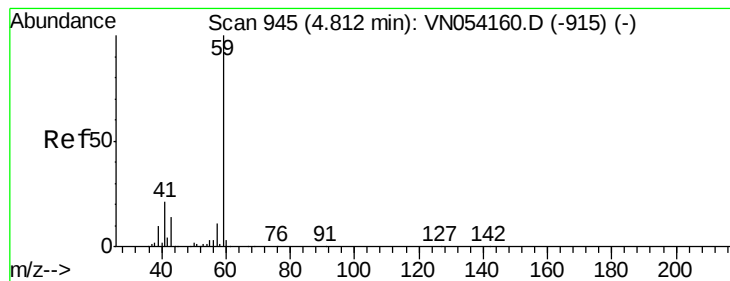


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



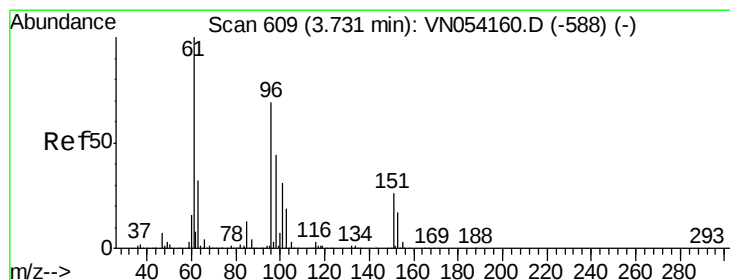
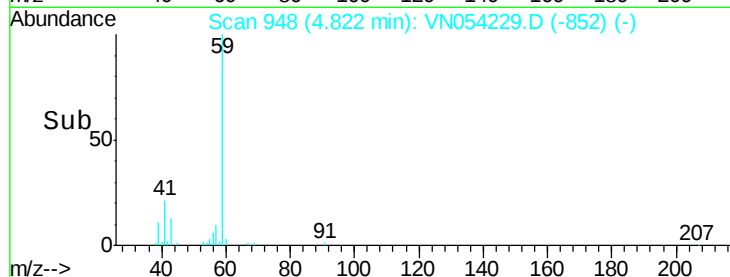
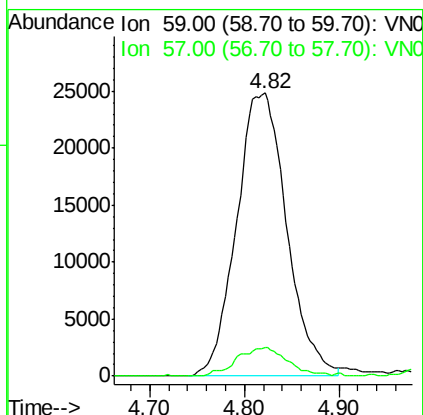
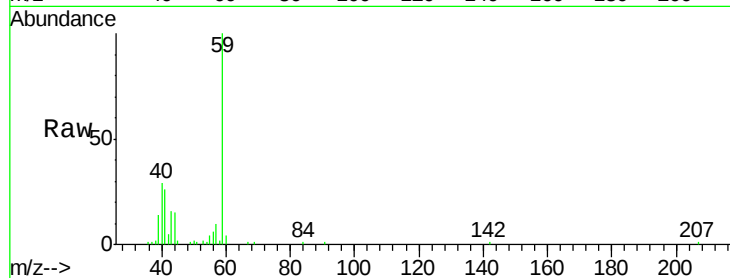


#11

Tert butyl alcohol
 Concen: 93.539 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Instrument :
 MSVOA_N
 ClientSampled :

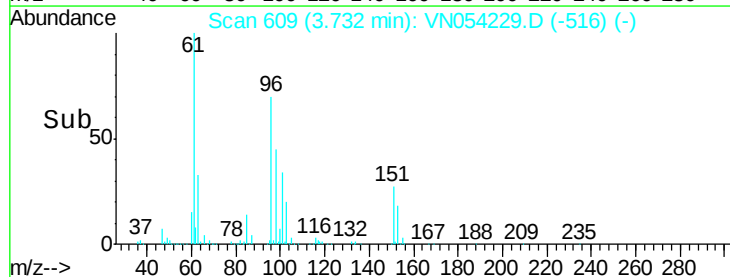
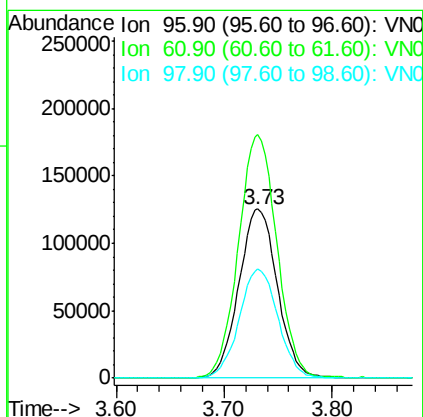
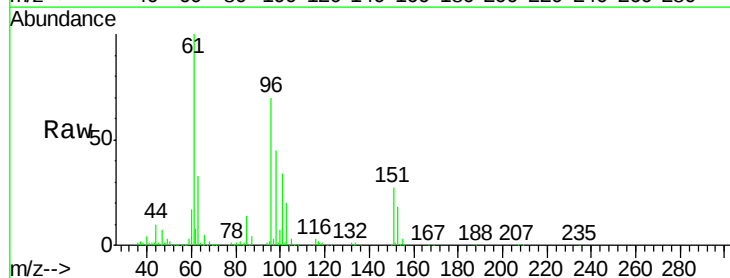
Tot Ion: 59 Resp: 91328
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.0 13.6

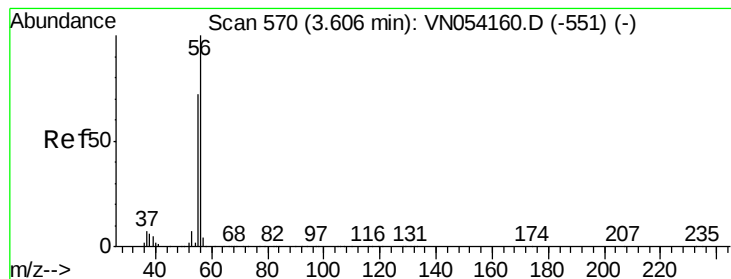


#12

1,1-Dichloroethene
 Concen: 22.269 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion: 96 Resp: 310253
 Ion Ratio Lower Upper
 96 100
 61 143.8 116.5 174.7
 98 64.4 51.0 76.4





#13

Acrolein

Concen: 73.350 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

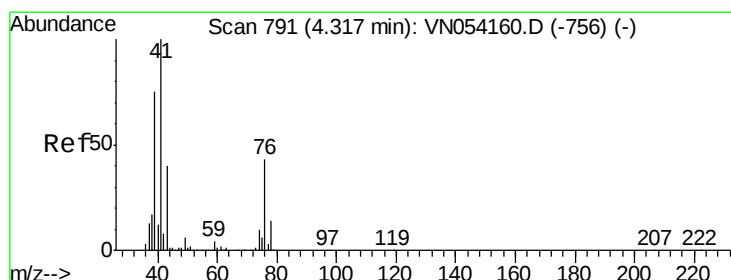
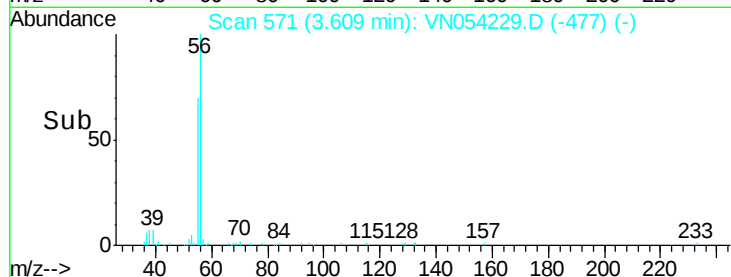
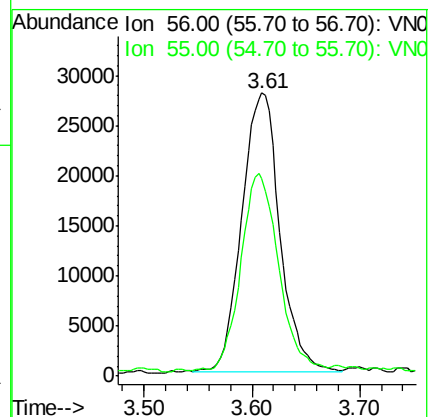
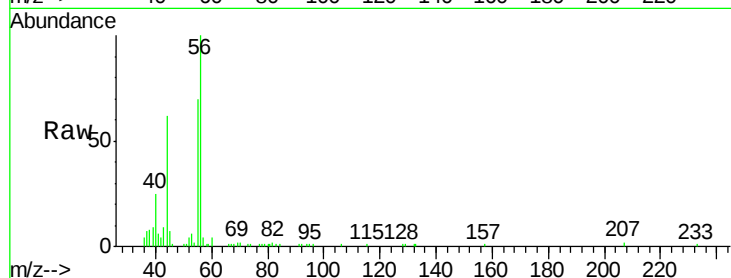
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 67863

Ion Ratio Lower Upper

56 100

55 68.9 56.7 85.1



#14

Allyl chloride

Concen: 20.334 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

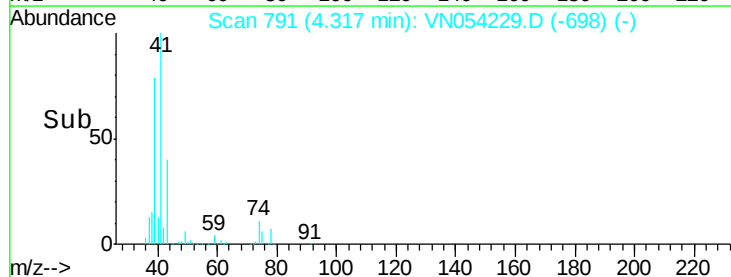
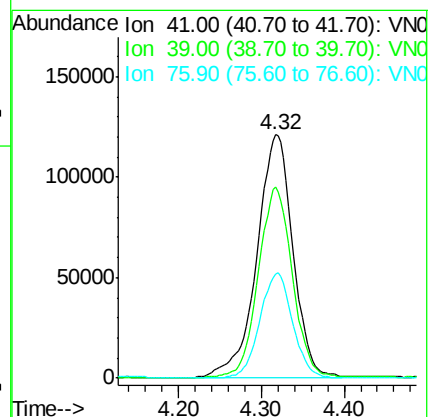
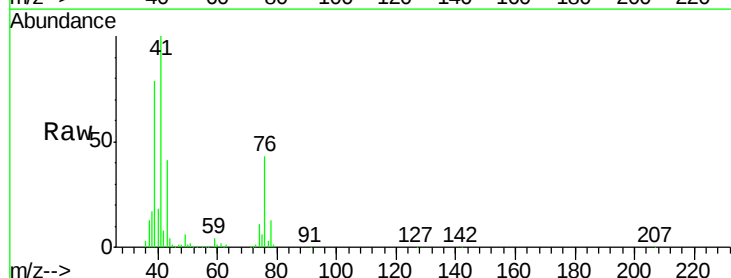
Tgt Ion: 41 Resp: 363486

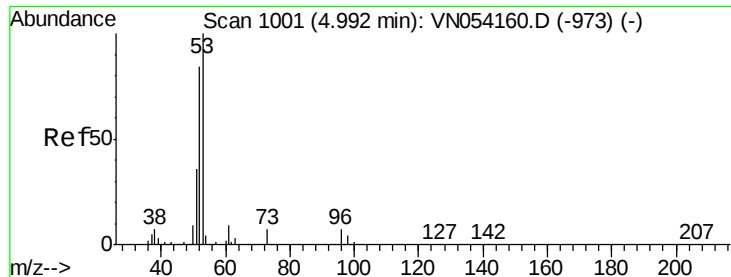
Ion Ratio Lower Upper

41 100

39 74.6 58.2 87.4

76 39.0 31.7 47.5

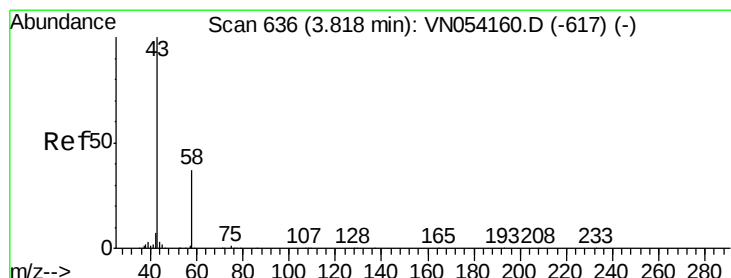
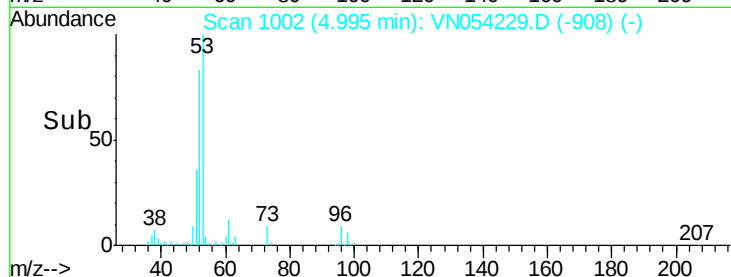
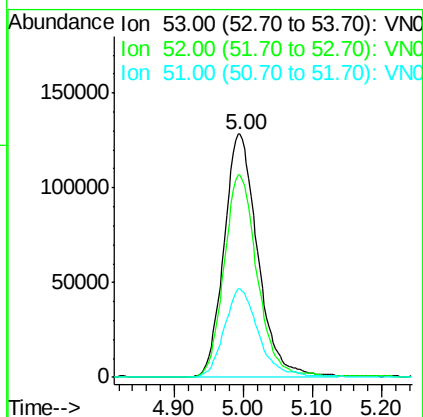
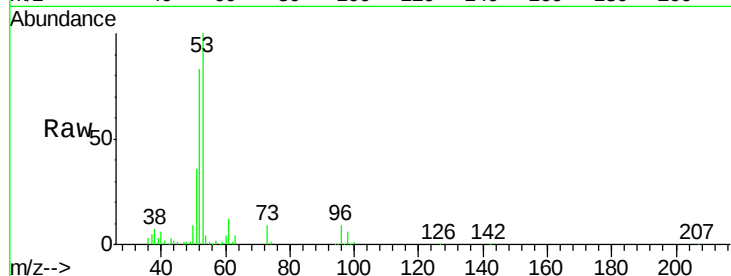




#15
 Acrylonitrile
 Concen: 108.777 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

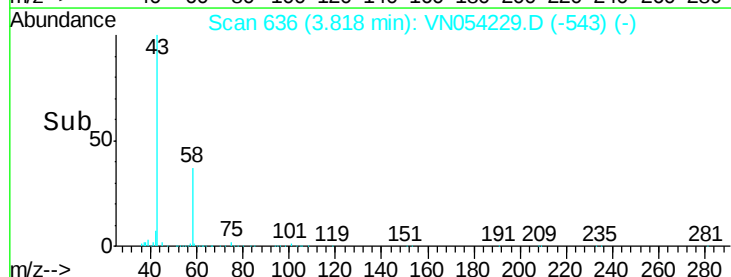
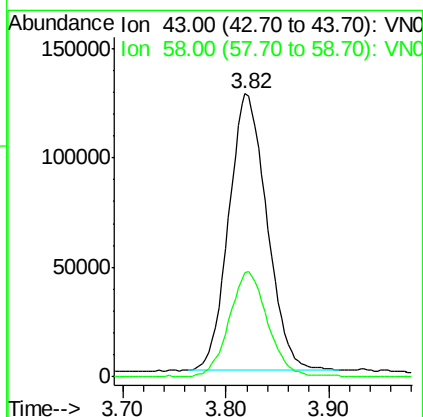
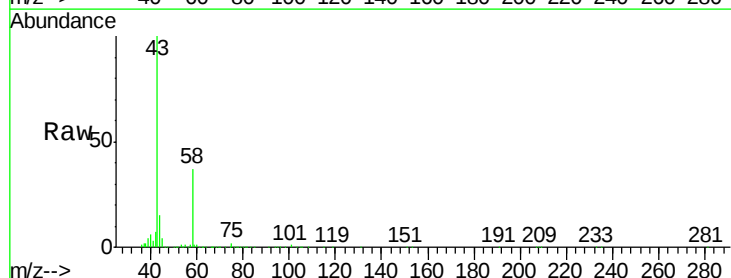
Instrument :
 MSVOA_N
 ClientSampleId :

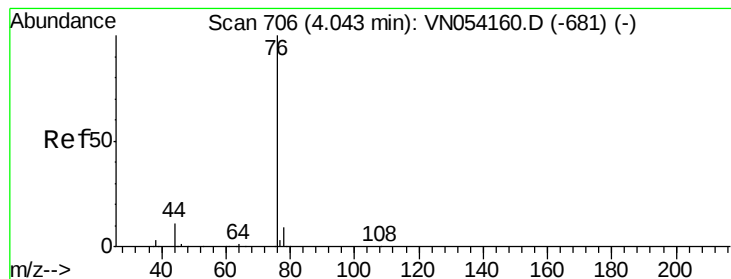
Tot Ion: 53 Resp: 436262
 Ion Ratio Lower Upper
 53 100
 52 82.0 66.4 99.6
 51 36.8 29.6 44.4



#16
 Acetone
 Concen: 79.843 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion: 43 Resp: 325588
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.9 44.9





#17

Carbon Disulfide

Concen: 18.806 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

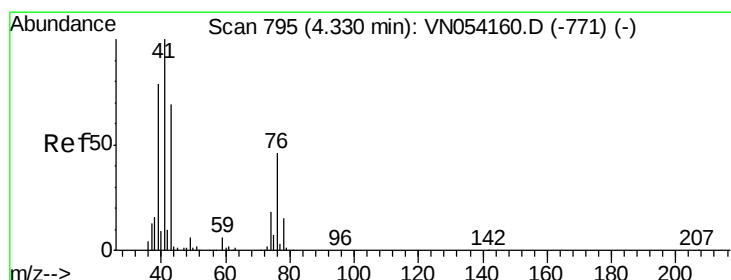
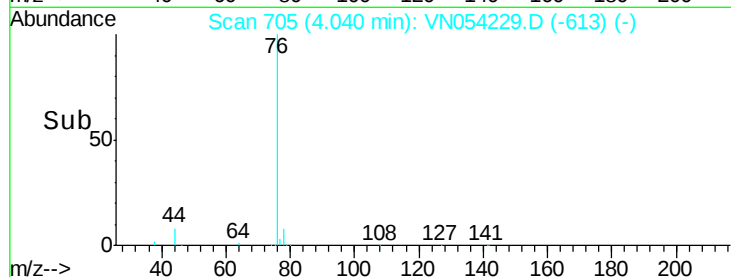
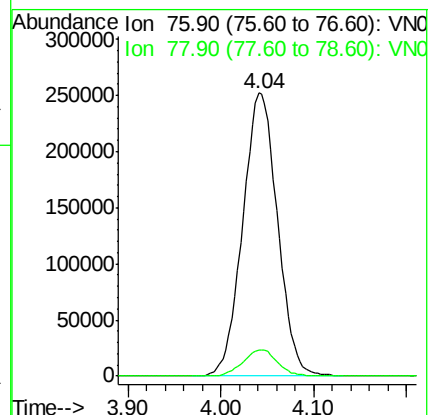
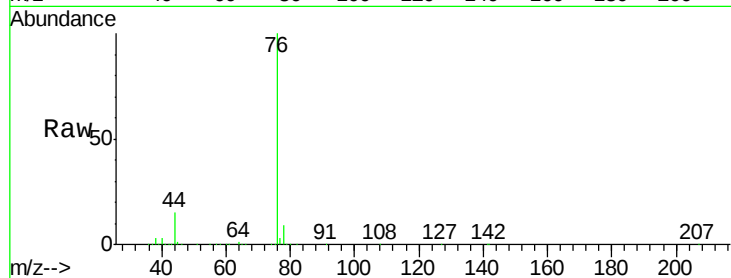
ClientSampled :

Tot Ion: 76 Resp: 656830

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



#18

Methyl Acetate

Concen: 23.160 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054229.D

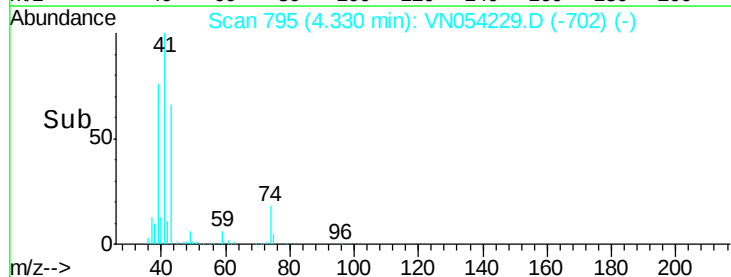
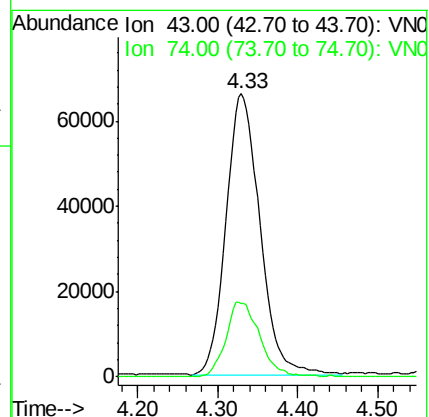
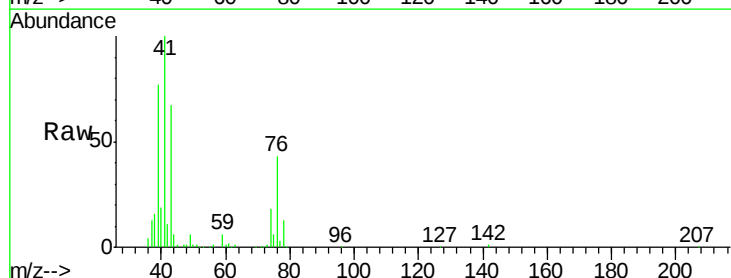
Acq: 13 Mar 2019 23:34

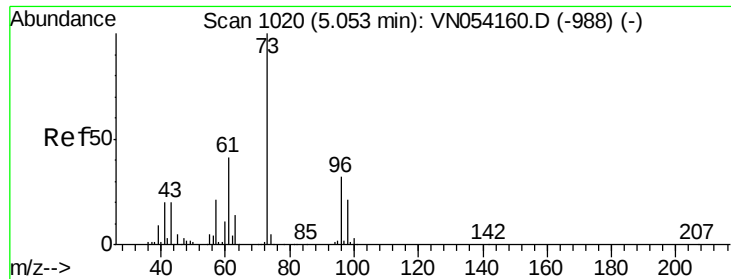
Tgt Ion: 43 Resp: 191076

Ion Ratio Lower Upper

43 100

74 26.5 20.8 31.2

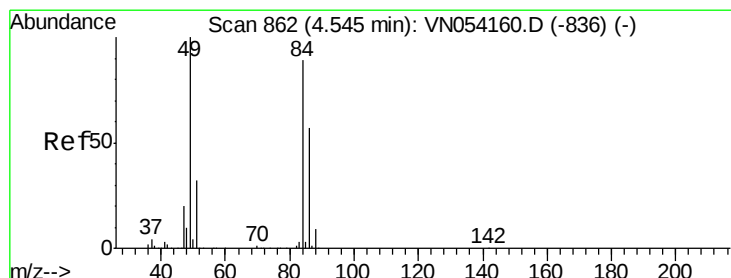
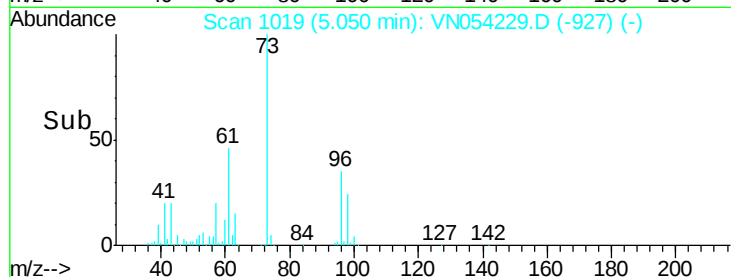
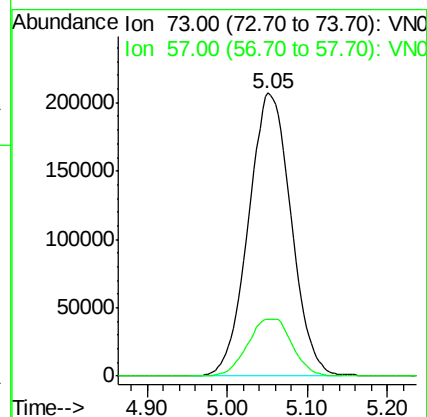
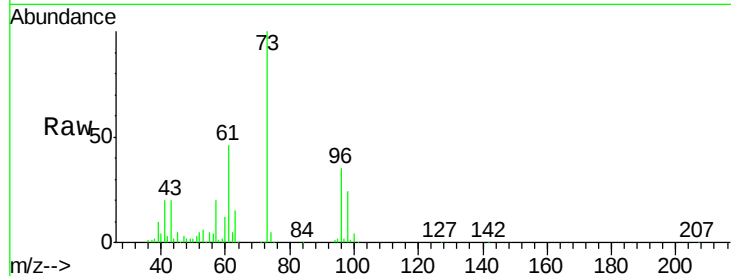




#19
Methyl tert-butyl Ether
Concen: 21.868 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

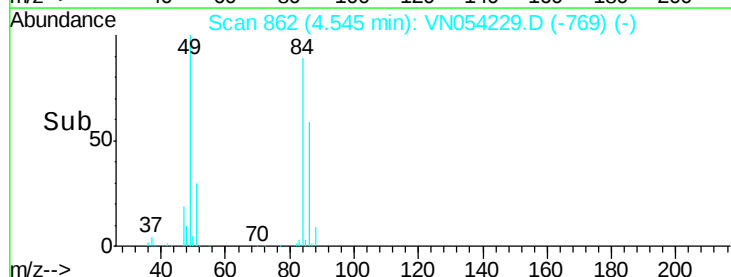
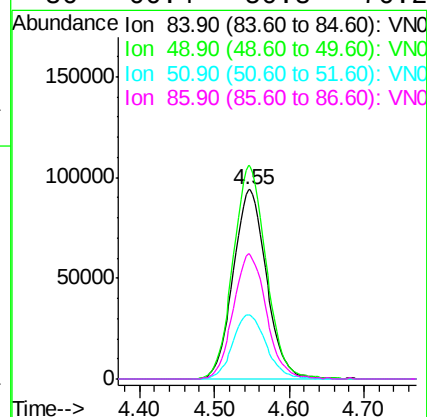
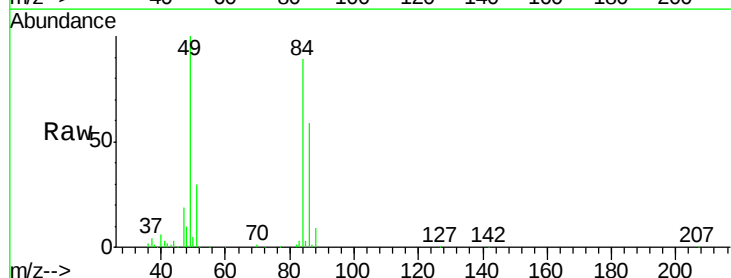
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 755197
Ion Ratio Lower Upper
73 100
57 20.2 16.8 25.2



#20
Methylene Chloride
Concen: 21.713 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 84 Resp: 290731
Ion Ratio Lower Upper
84 100
49 113.0 89.7 134.5
51 34.1 28.2 42.4
86 66.4 50.8 76.2

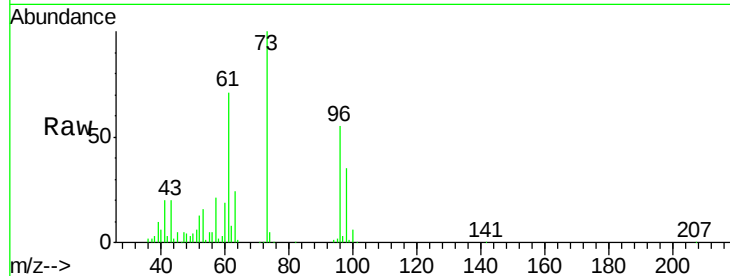




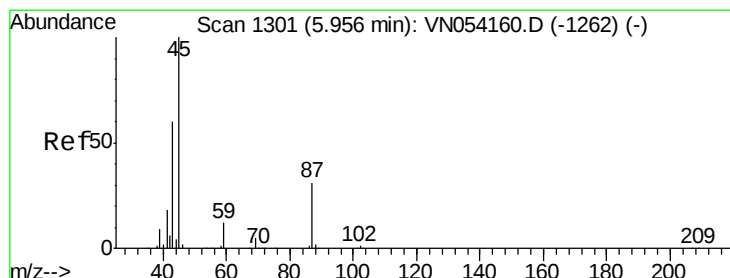
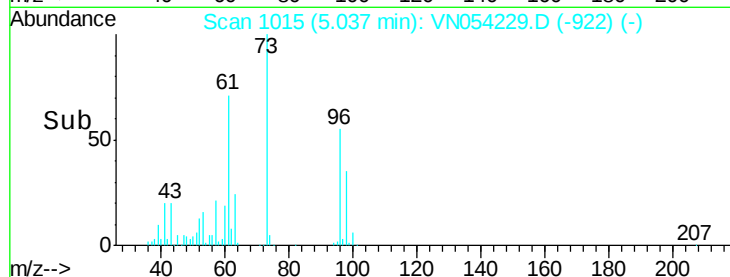
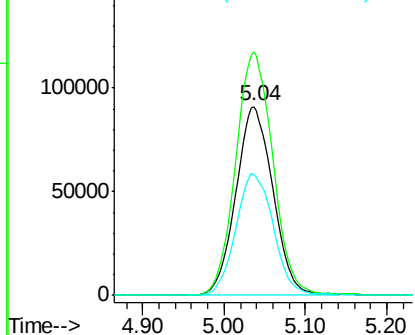
#21
trans-1,2-Dichloroethene
Concen: 21.464 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 286527
Ion Ratio Lower Upper
96 100
61 128.8 102.8 154.2
98 64.2 50.0 75.0

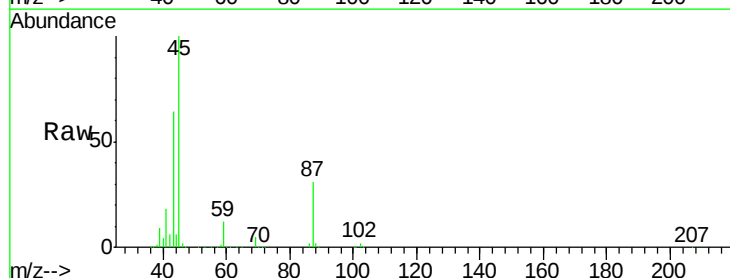


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

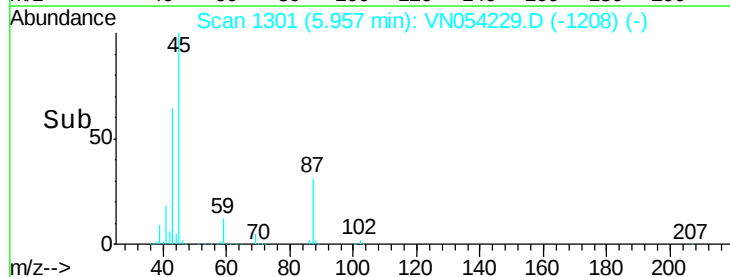
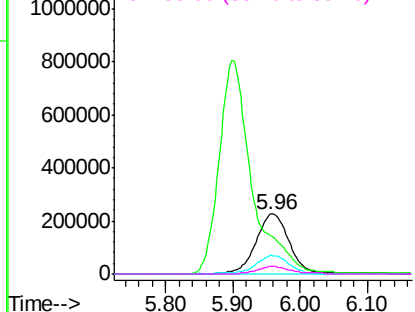


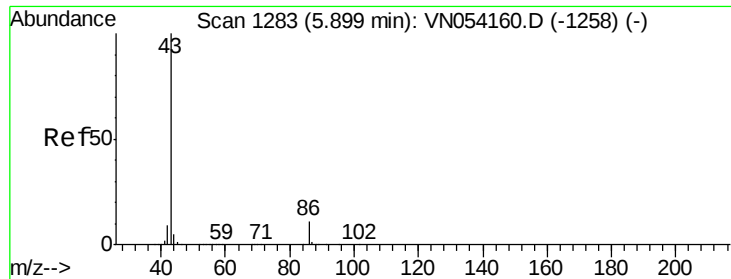
#22
Diisopropyl ether
Concen: 21.809 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 45 Resp: 778065
Ion Ratio Lower Upper
45 100
43 63.6 48.2 72.2
87 30.8 24.9 37.3
59 11.9 9.5 14.3



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





#23

Vinyl Acetate

Concen: 104.422 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

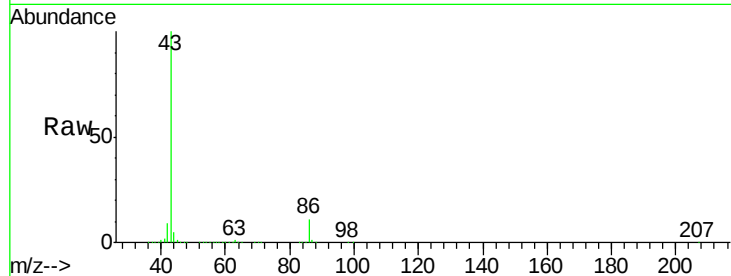
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2746765

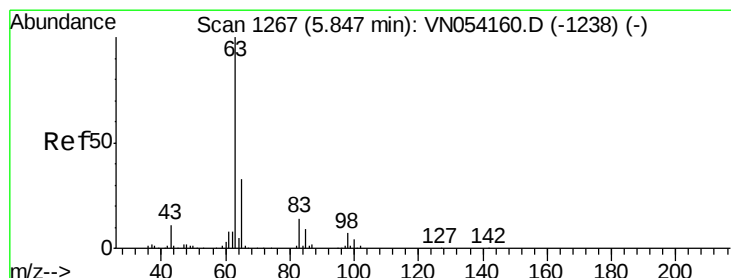
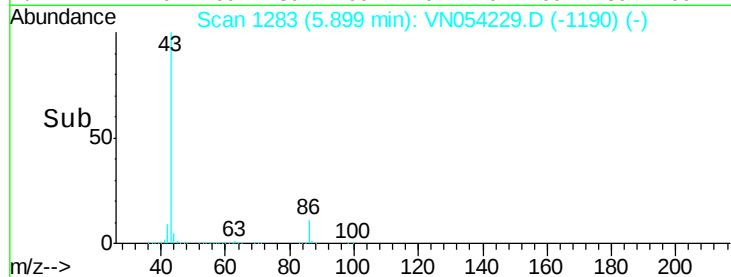
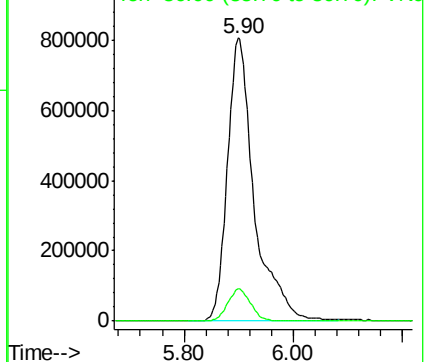
Ion Ratio Lower Upper

43 100

86 11.3 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: 21.832 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

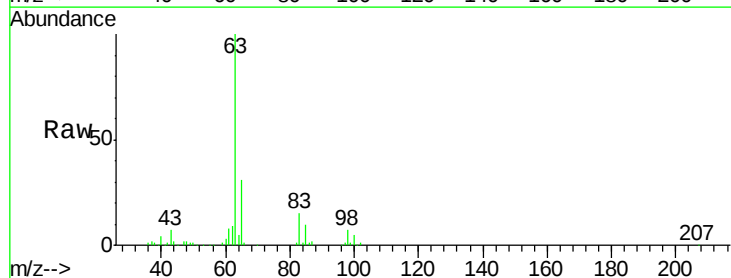
Tgt Ion: 63 Resp: 500115

Ion Ratio Lower Upper

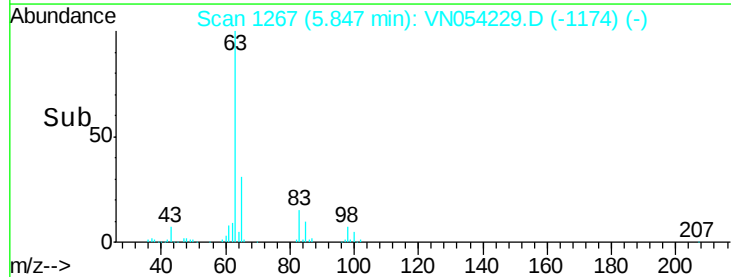
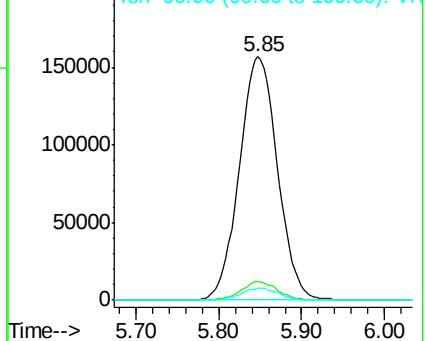
63 100

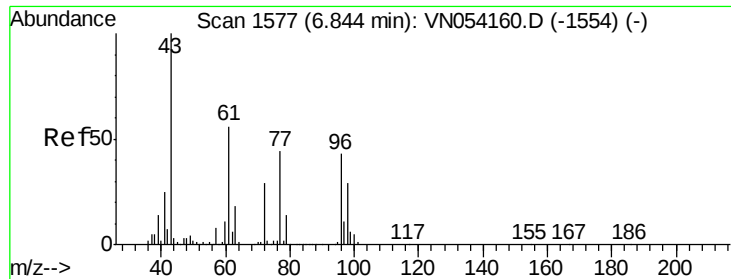
98 7.4 3.5 10.5

100 4.7 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

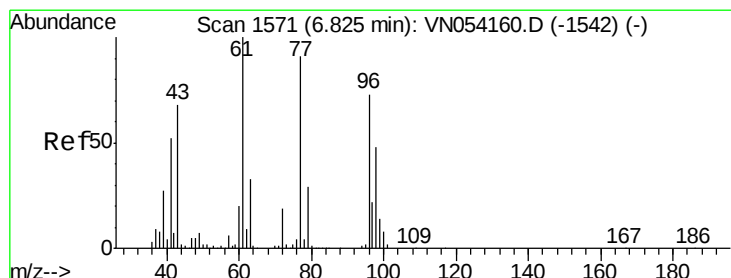
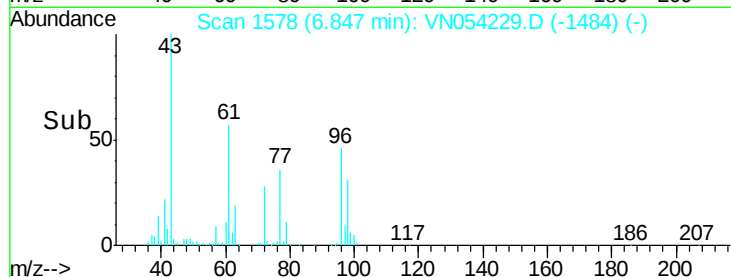
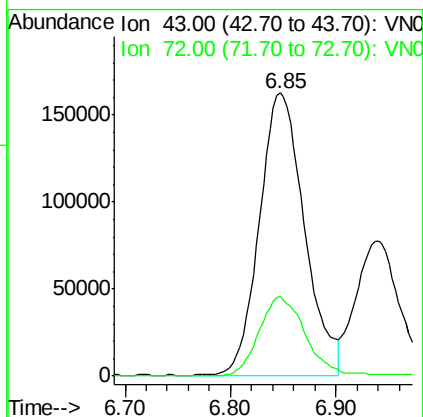
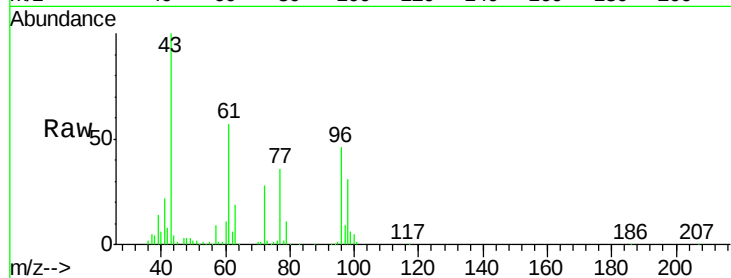




#25
2-Butanone
Concen: 100.319 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

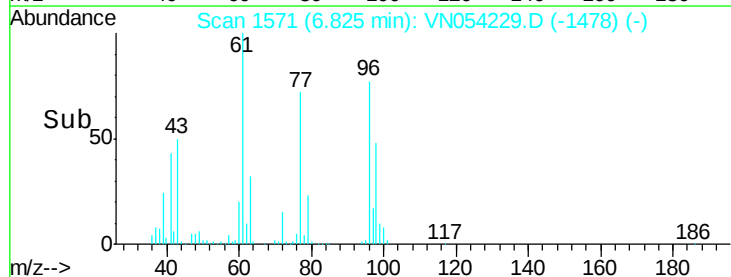
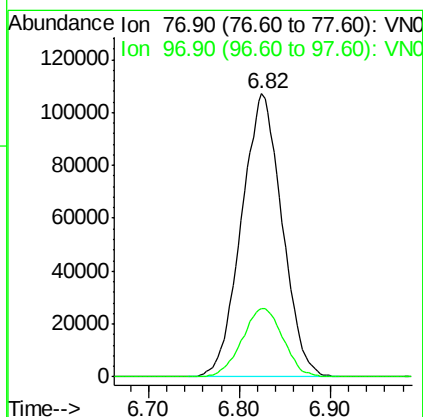
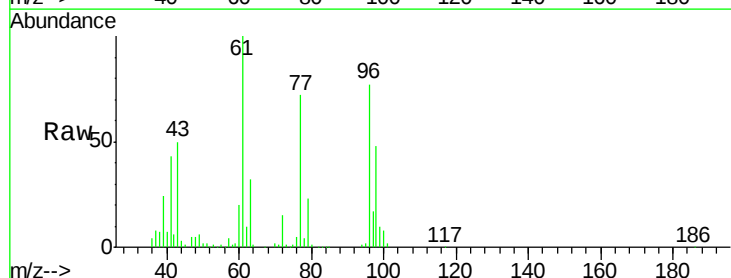
Instrument :
MSVOA_N
ClientSampleId :

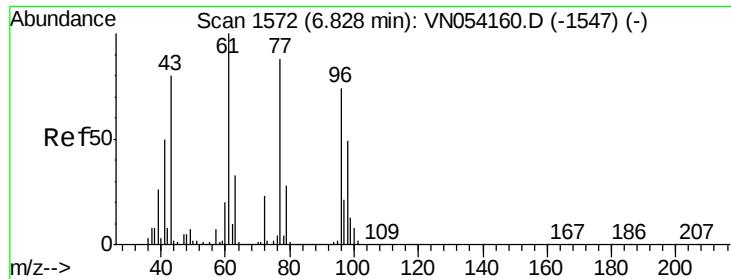
Tot Ion: 43 Resp: 480145
Ion Ratio Lower Upper
43 100
72 28.2 23.0 34.6



#26
2,2-Dichloropropane
Concen: 16.475 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 77 Resp: 331885
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.569 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampled :

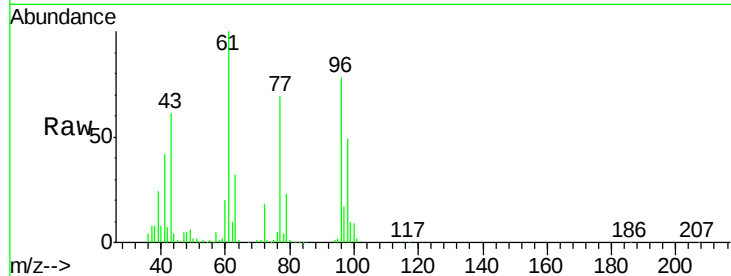
Tot Ion: 96 Resp: 336110

Ion Ratio Lower Upper

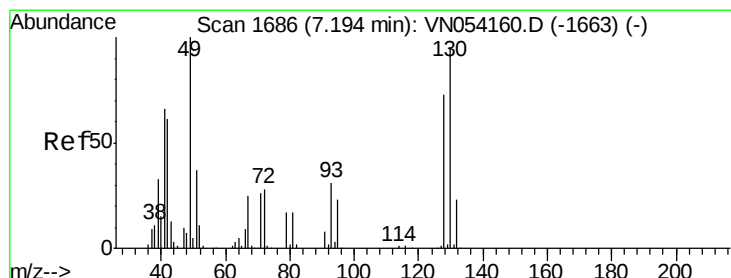
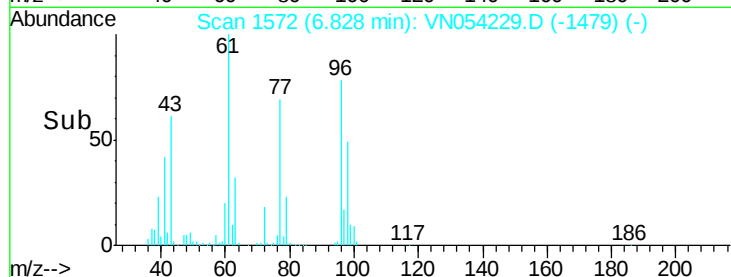
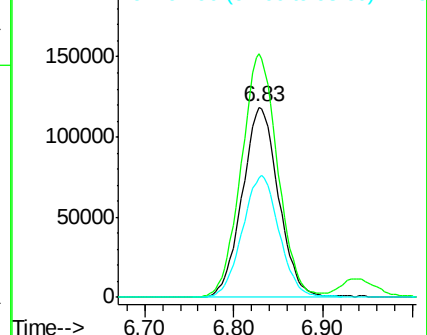
96 100

61 128.2 0.0 273.0

98 64.7 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: 20.682 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

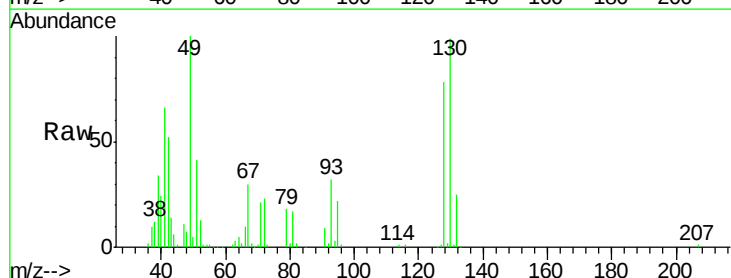
Tgt Ion: 49 Resp: 193684

Ion Ratio Lower Upper

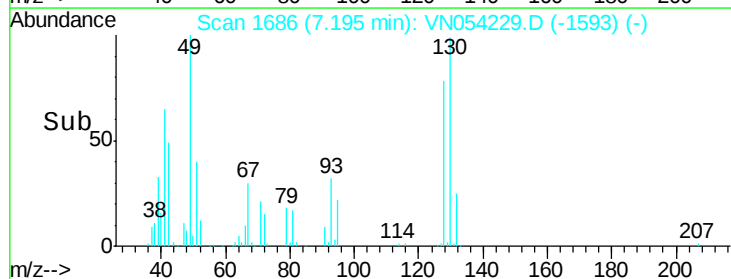
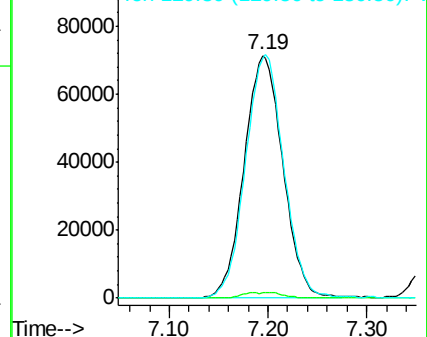
49 100

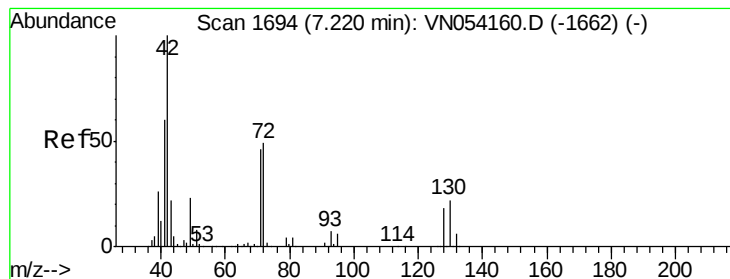
129 1.1 0.0 4.6

130 99.2 76.7 115.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.970 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampled :

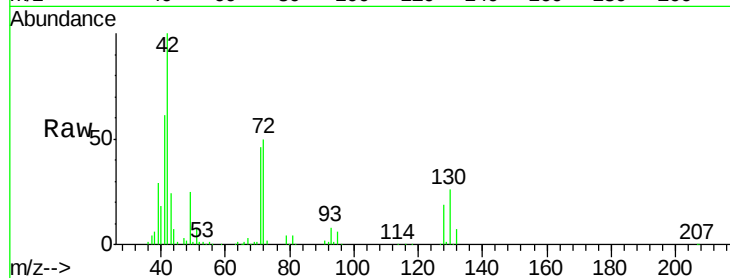
Tot Ion: 42 Resp: 323028

Ion Ratio Lower Upper

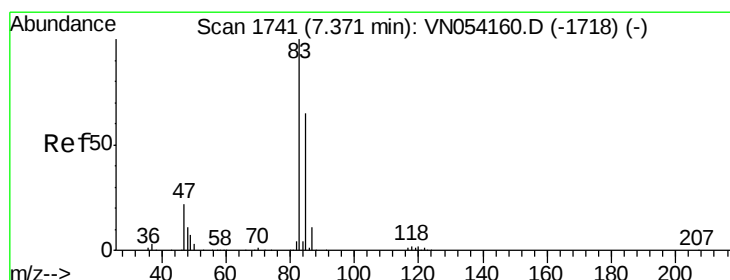
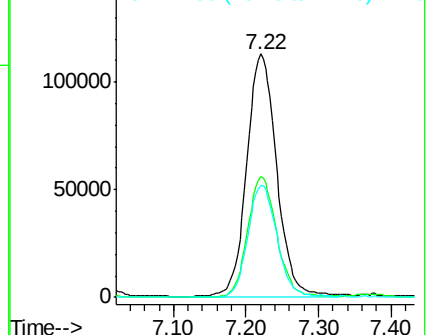
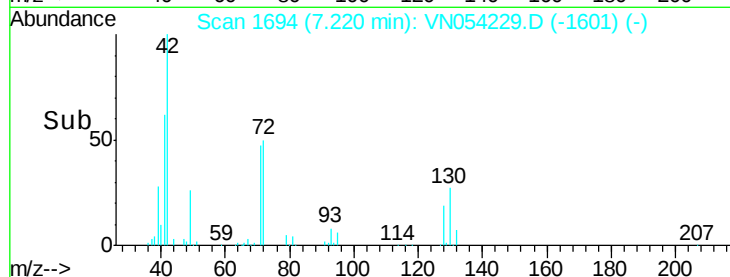
42 100

72 48.8 37.8 56.6

71 45.1 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: 22.115 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054229.D

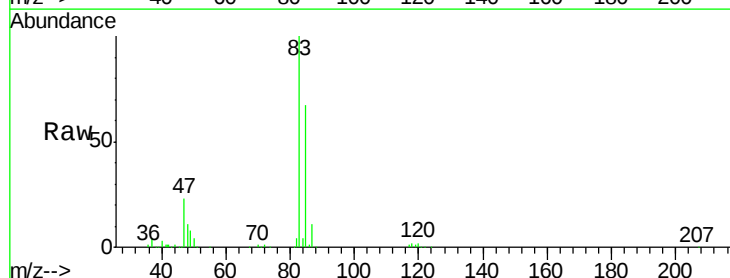
Acq: 13 Mar 2019 23:34

Tgt Ion: 83 Resp: 528620

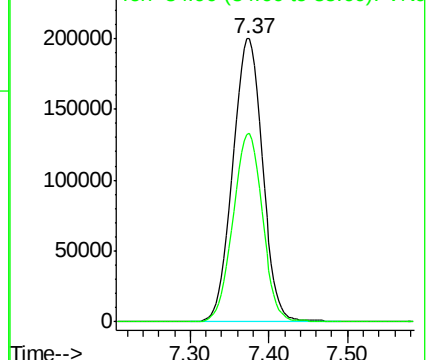
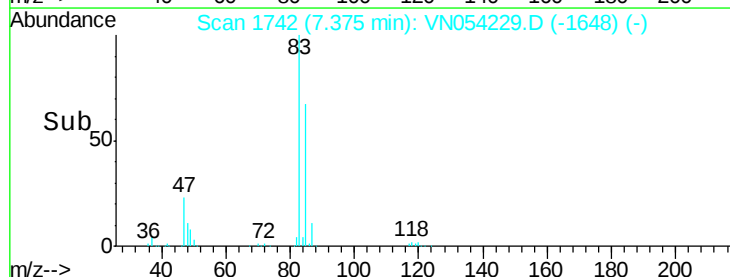
Ion Ratio Lower Upper

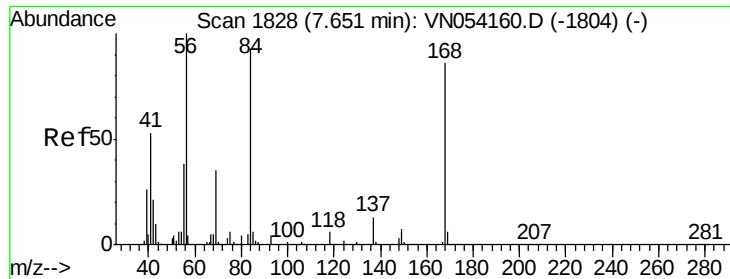
83 100

85 66.7 52.2 78.4



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

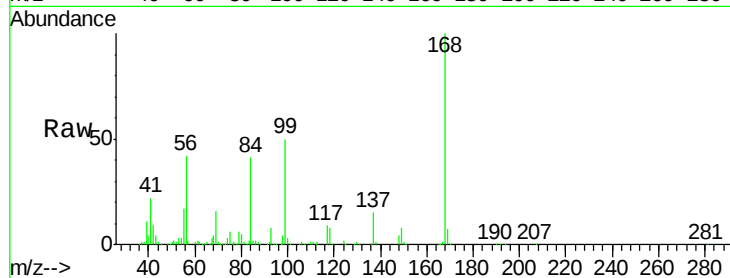




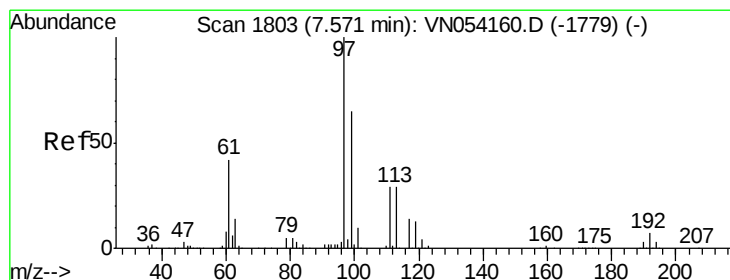
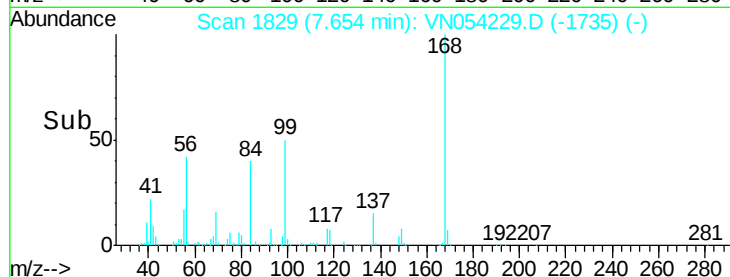
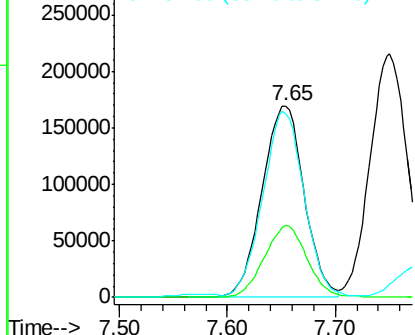
#31
Cvclohexane
Concen: 20.696 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 458644
Ion Ratio Lower Upper
56 100
69 37.5 27.8 41.6
84 94.4 74.6 111.8

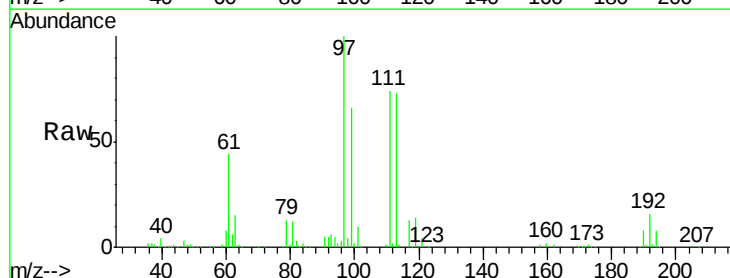


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

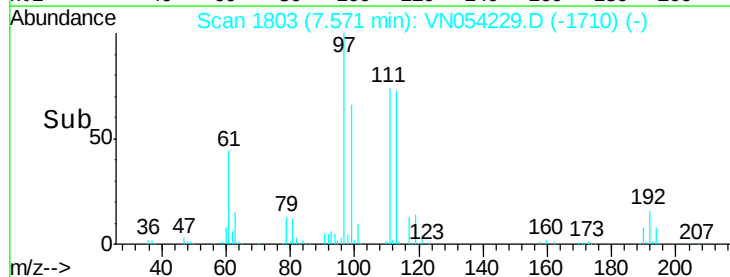
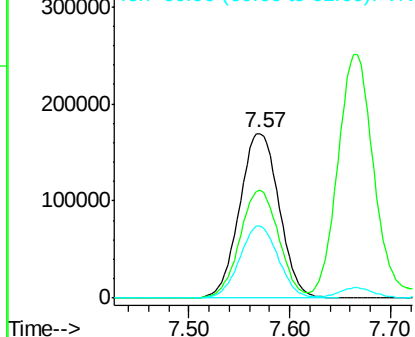


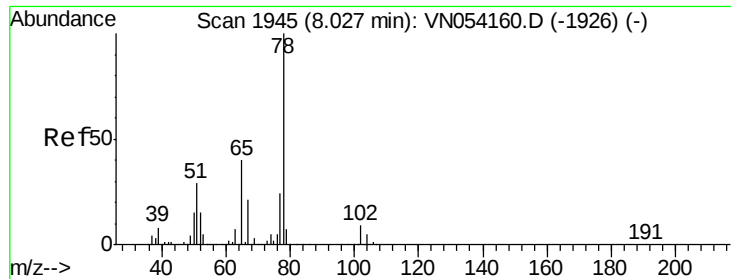
#32
1,1,1-Trichloroethane
Concen: 21.380 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 97 Resp: 461553
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 42.6 33.6 50.4



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

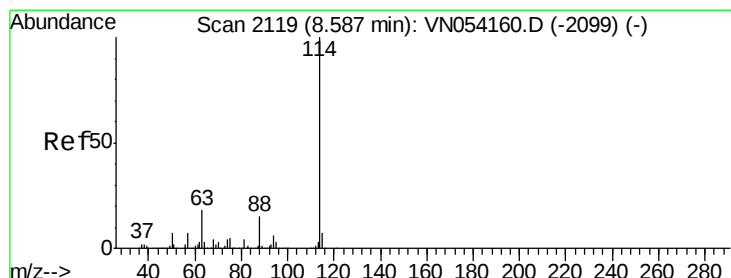
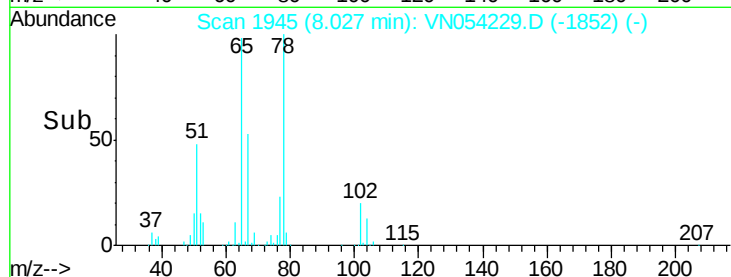
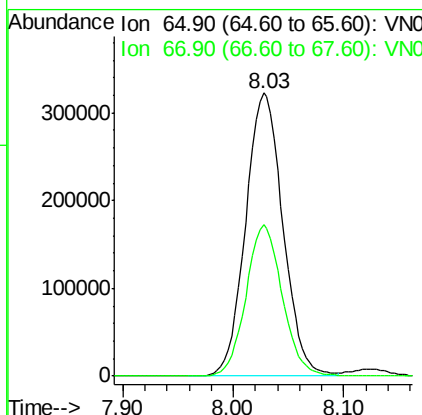
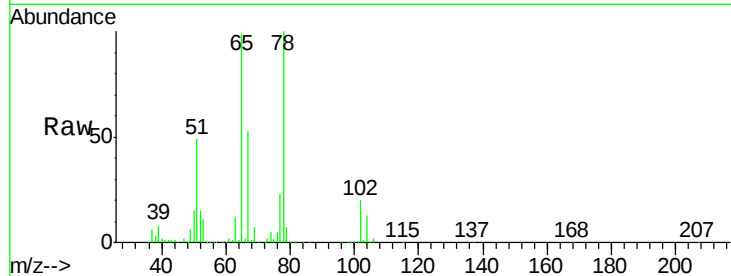




#33
 1,2-Dichloroethane-d4
 Concen: 52.996 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

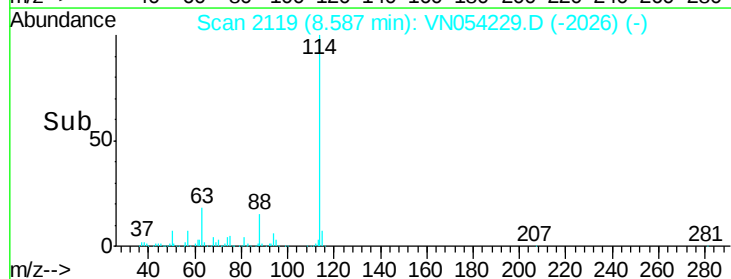
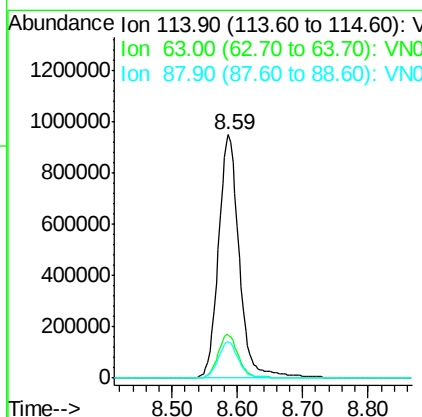
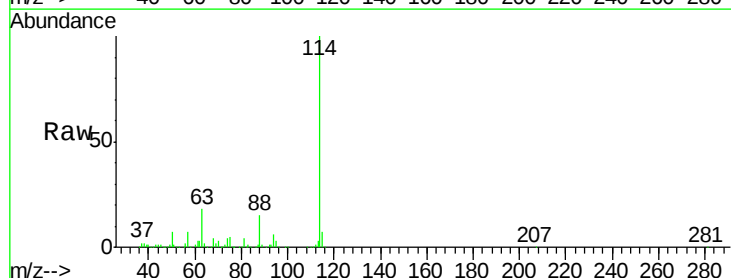
Instrument :
 MSVOA_N
 ClientSampleId :

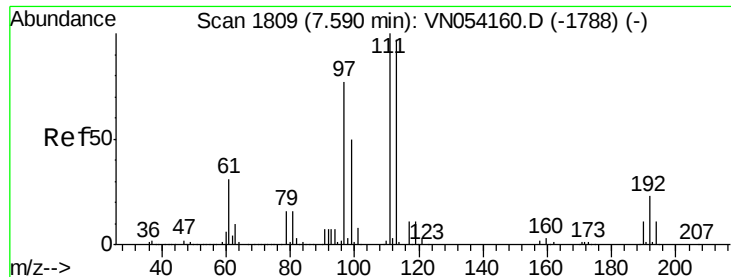
Tot Ion: 65 Resp: 754780
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion: 114 Resp: 2108178
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.9 0.0 30.2

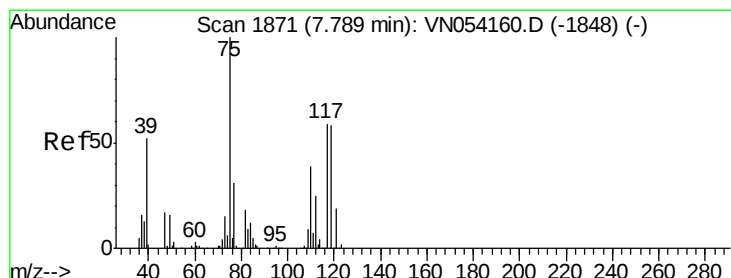
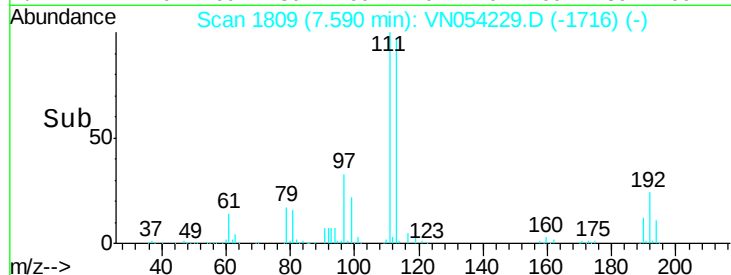
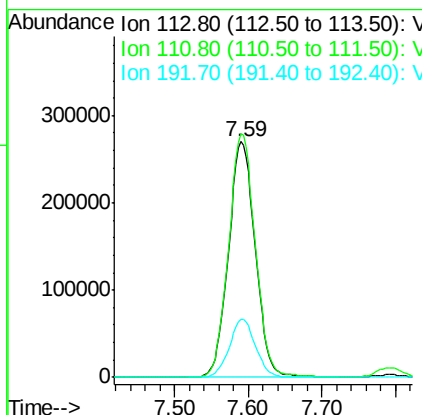
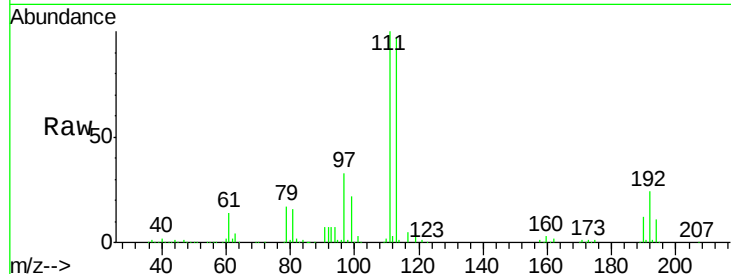




#35
 Dibromofluoromethane
 Concen: 50.284 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

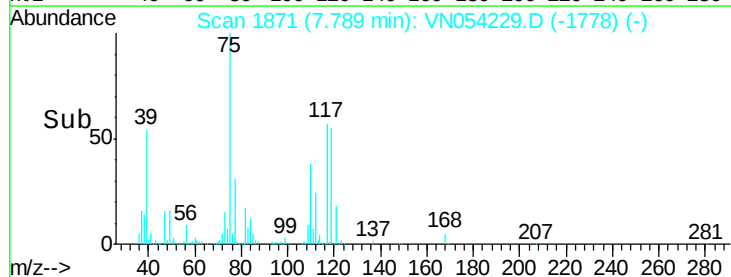
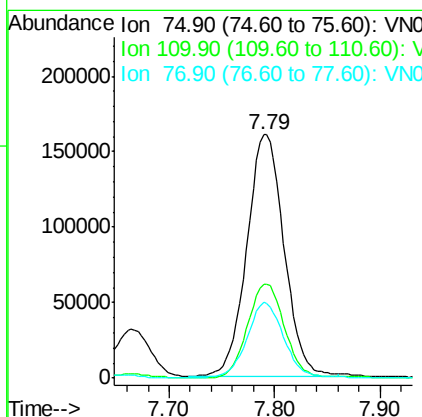
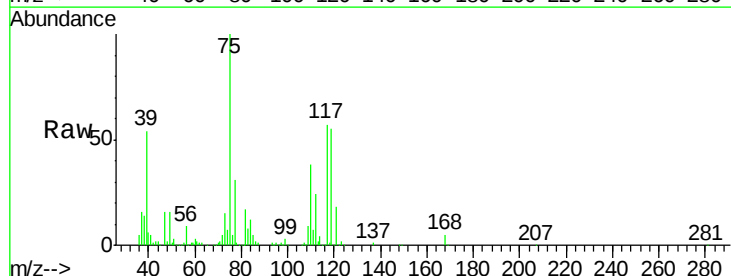
Instrument :
 MSVOA_N
 ClientSampleId :

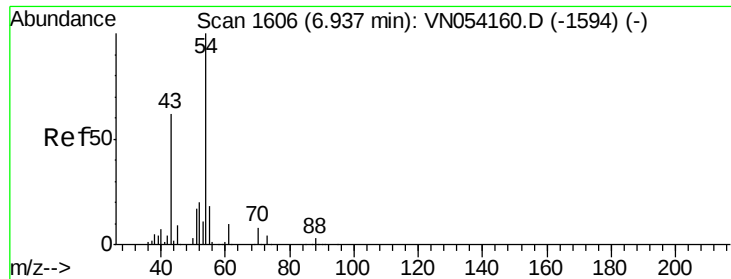
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.4
192	23.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 20.340 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.1	57.5
77	30.9	25.0	37.4

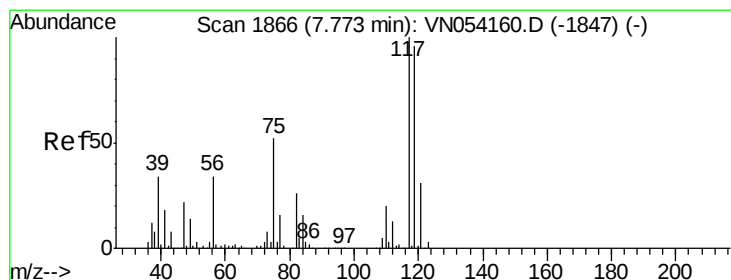
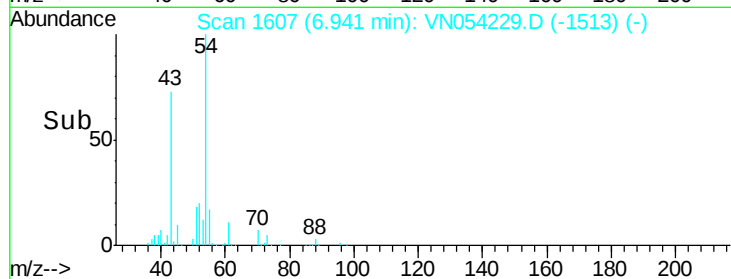
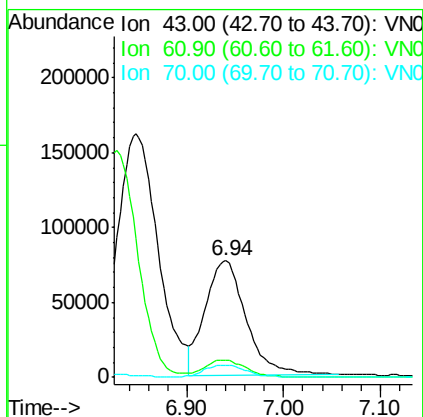
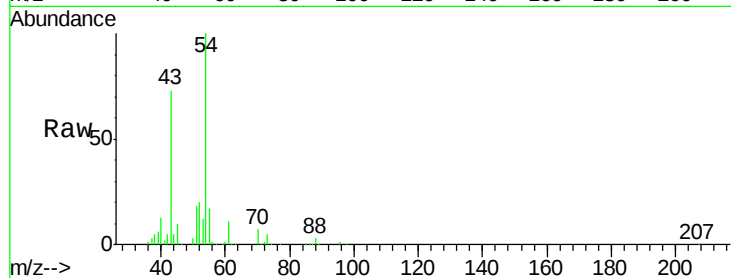




#37
Ethyl Acetate
Concen: 20.251 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

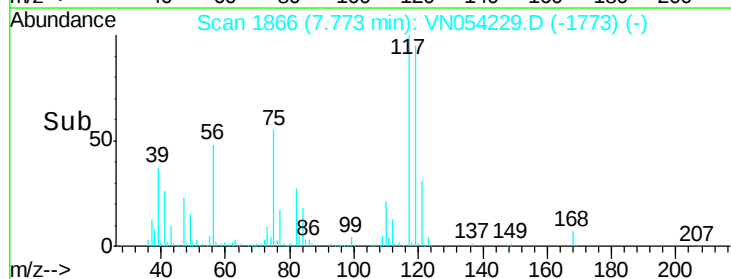
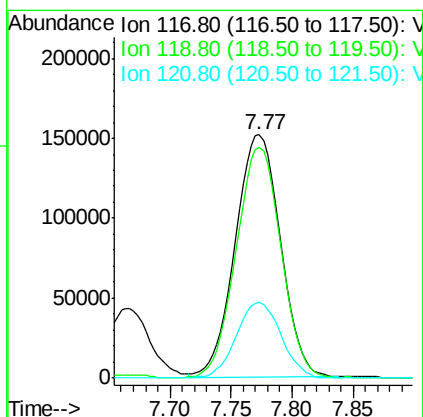
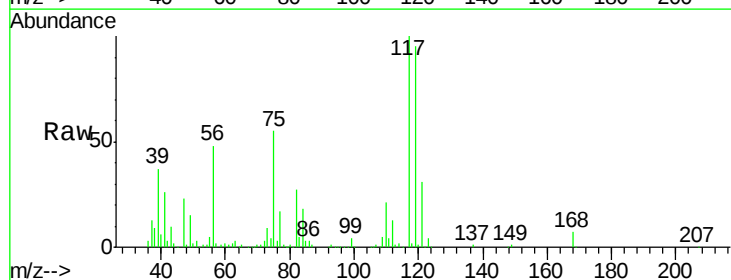
Instrument :
MSVOA_N
ClientSampleId :

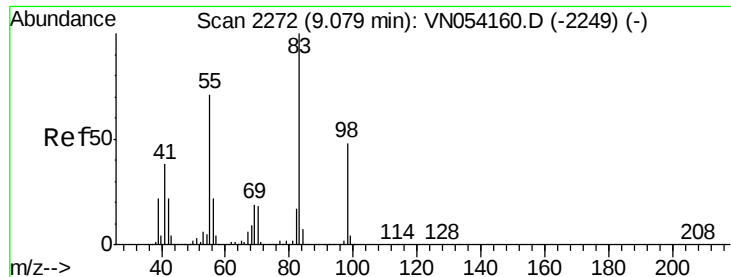
Tot Ion: 43 Resp: 225903
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 5.7 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 19.110 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 117 Resp: 389073
Ion Ratio Lower Upper
117 100
119 95.1 76.3 114.5
121 31.2 24.6 36.8

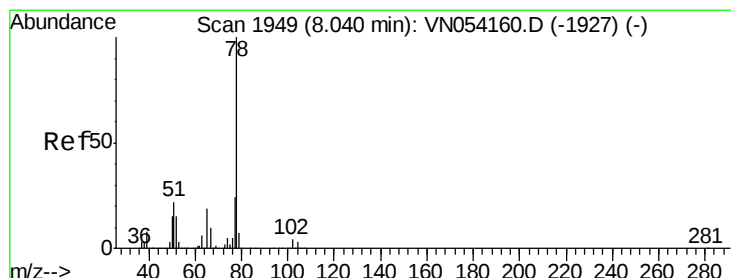
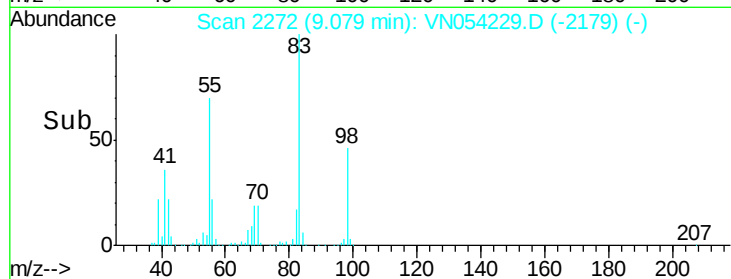
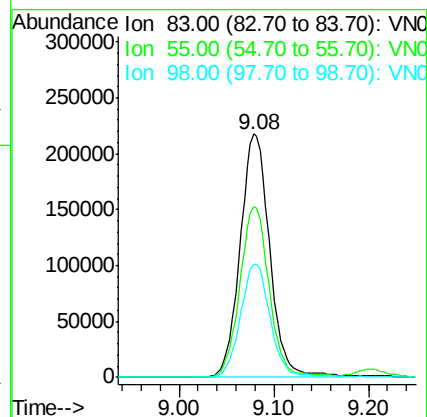
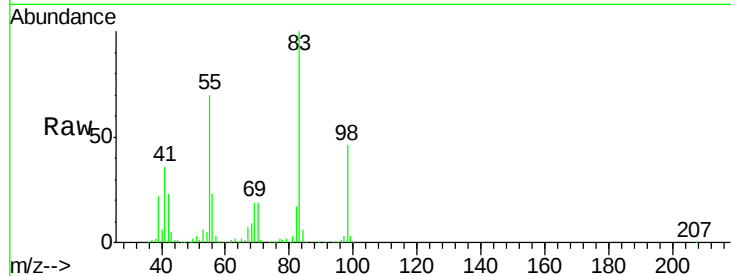




#39
Methvlcvclohexane
Concen: 19.828 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

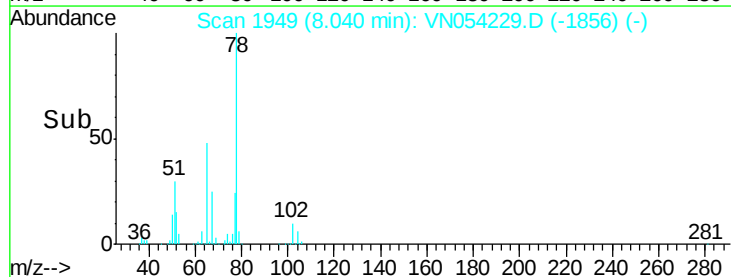
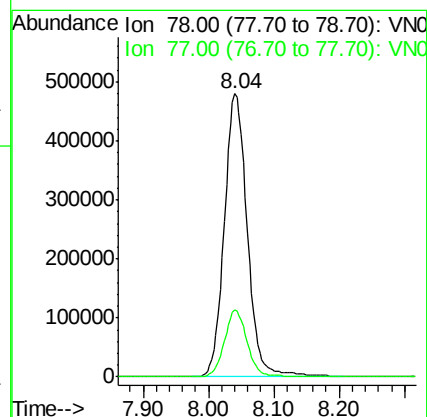
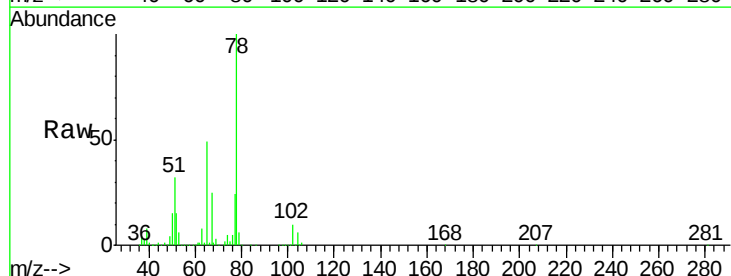
Instrument :
MSVOA_N
ClientSampled :

Tot Ion	83	Resp	473647
Ion Ratio	Lower	Upper	
83	100		
55	70.1	56.6	84.8
98	46.4	38.4	57.6



#40
Benzene
Concen: 21.146 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion	78	Resp	1174793
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.1	28.7

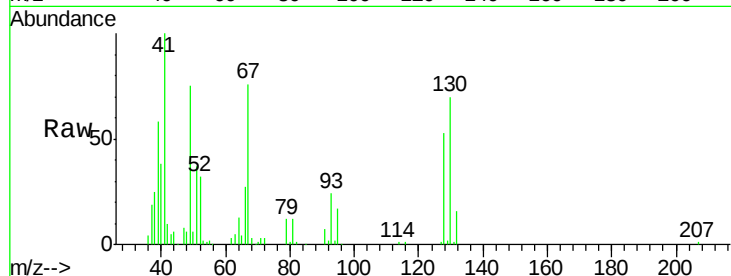




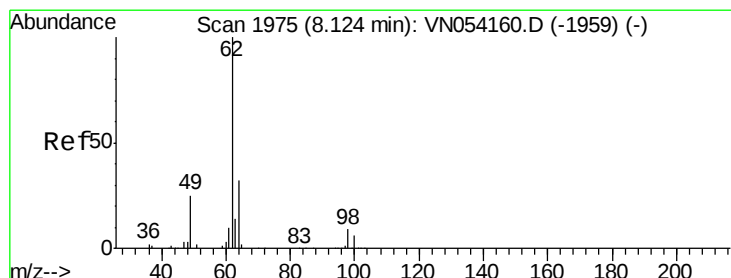
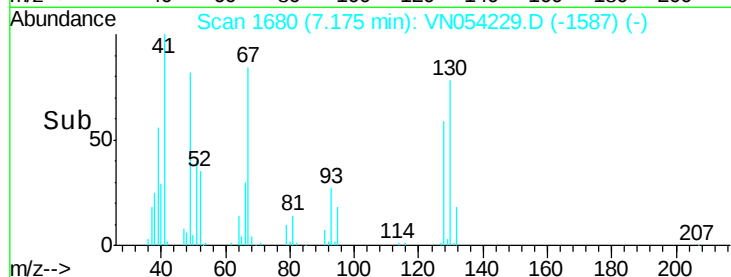
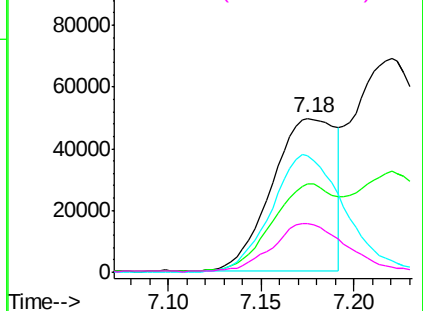
#41
Methacrylonitrile
Concen: 18.478 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 117692
Ion Ratio Lower Upper
41 100
39 60.2 46.8 70.2
67 90.8 67.0 100.4
52 36.5 26.5 39.7

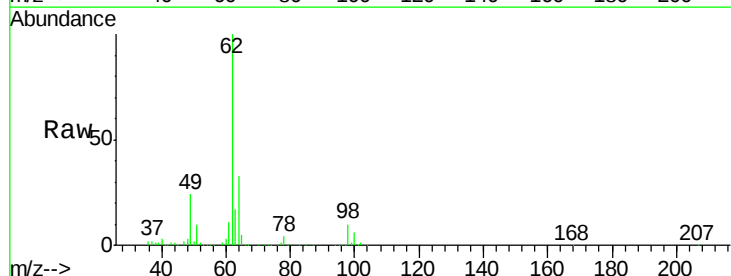


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

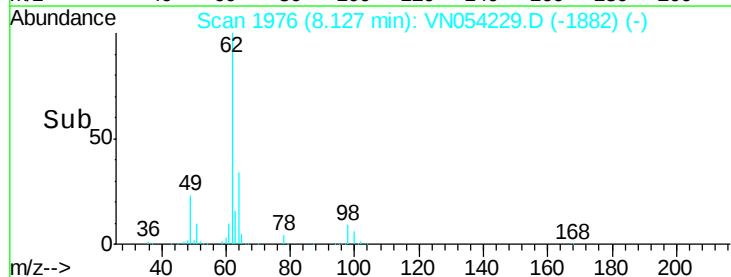
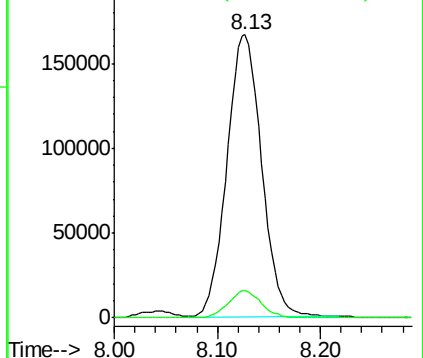


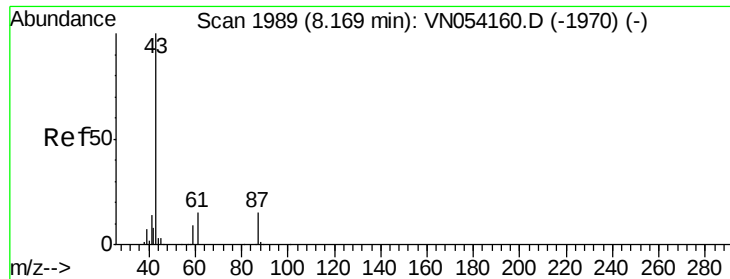
#42
1,2-Dichloroethane
Concen: 20.836 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 62 Resp: 390823
Ion Ratio Lower Upper
62 100
98 9.2 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: 19.284 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

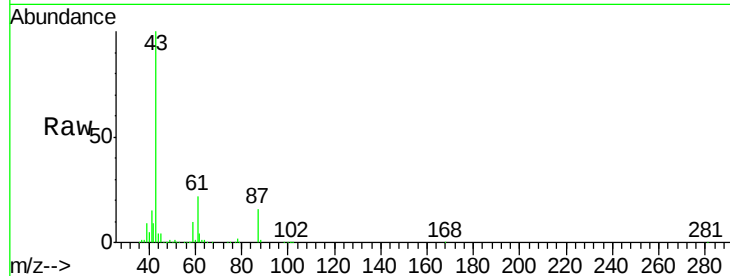
Tot Ion: 43 Resp: 377588

Ion Ratio Lower Upper

43 100

61 20.1 15.8 23.8

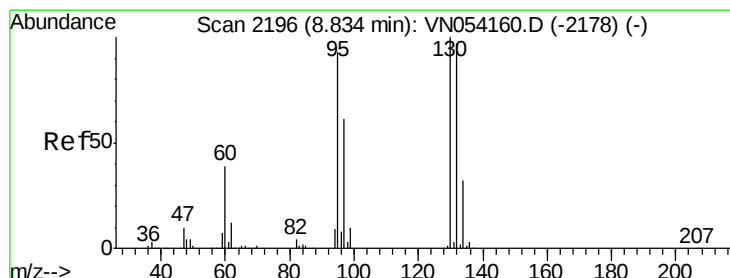
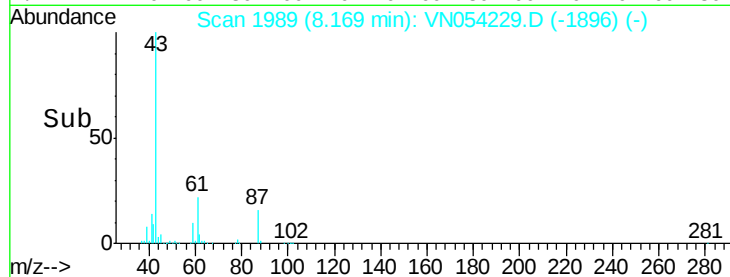
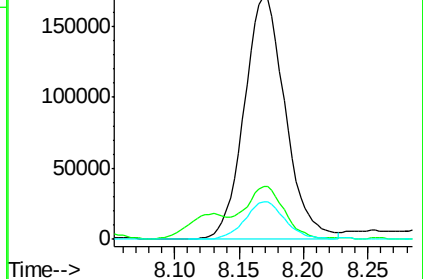
87 15.3 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054229.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054229.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054229.D (-1896) (-)



#44

Trichloroethene

Concen: 20.788 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054229.D

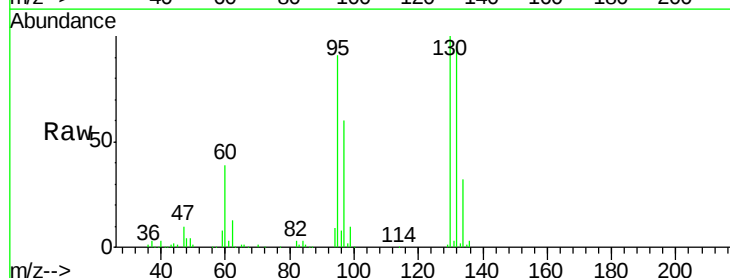
Acq: 13 Mar 2019 23:34

Tgt Ion: 130 Resp: 358764

Ion Ratio Lower Upper

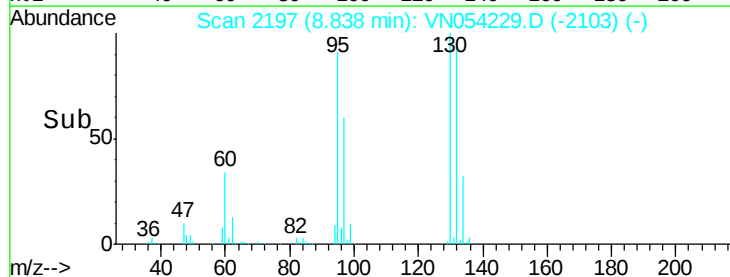
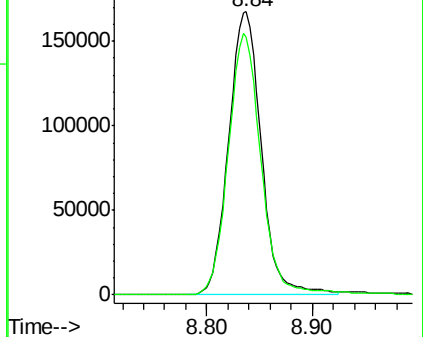
130 100

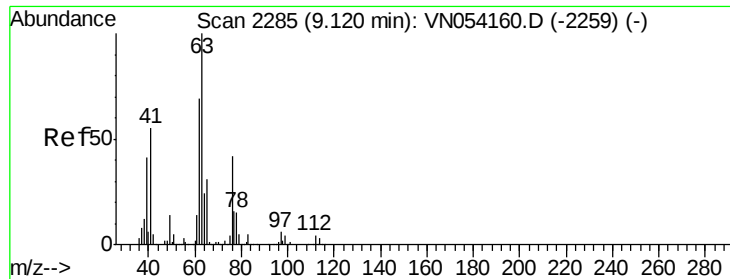
95 91.1 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054229.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054229.D (-2103) (-)

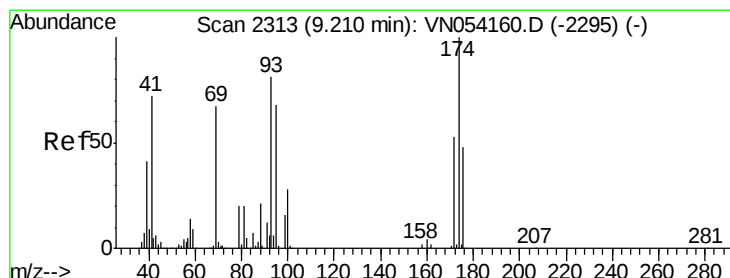
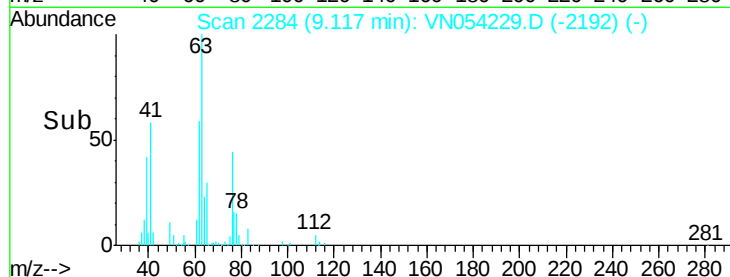
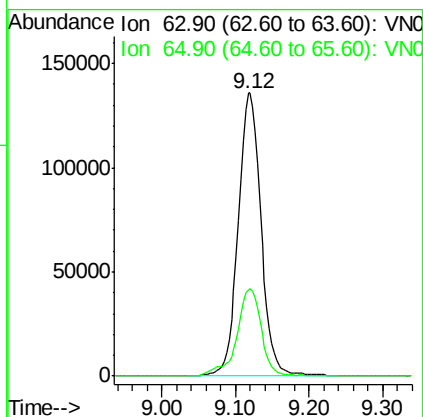
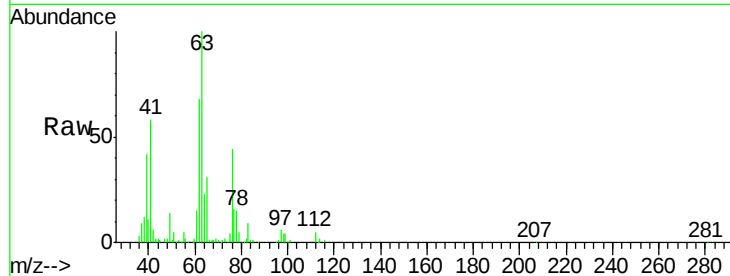




#45
 1,2-Dichloropropane
 Concen: 21.383 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

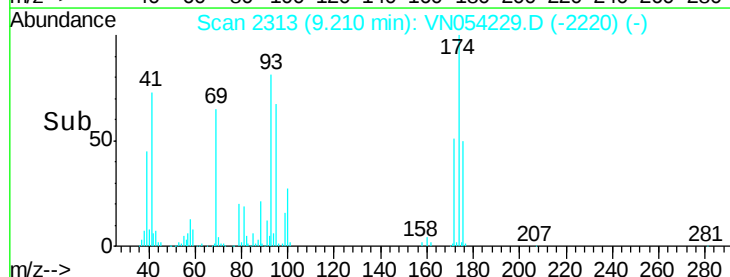
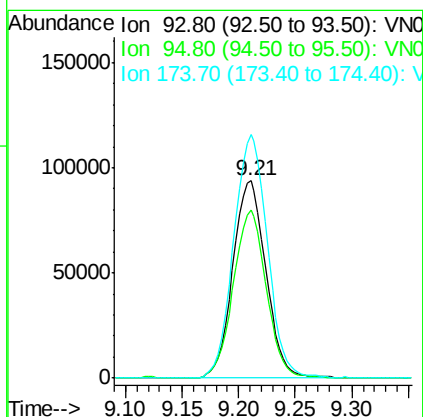
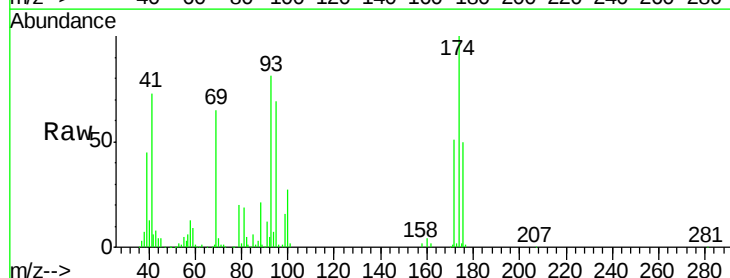
Instrument :
 MSVOA_N
 ClientSampled :

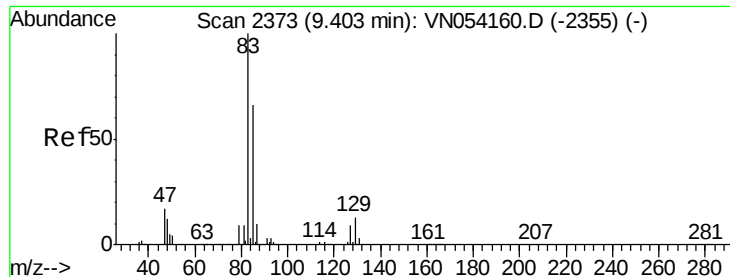
Tot Ion: 63 Resp: 294978
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 20.539 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion: 93 Resp: 191446
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.7 100.1
 174 125.4 98.5 147.7





#47

Bromodichloromethane

Concen: 20.612 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampled :

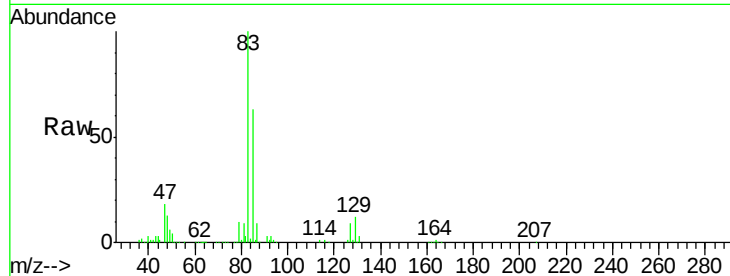
Tot Ion: 83 Resp: 385144

Ion Ratio Lower Upper

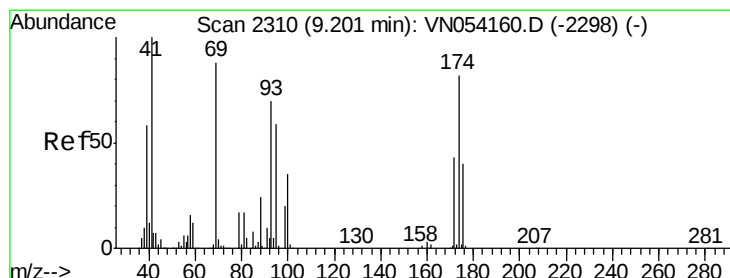
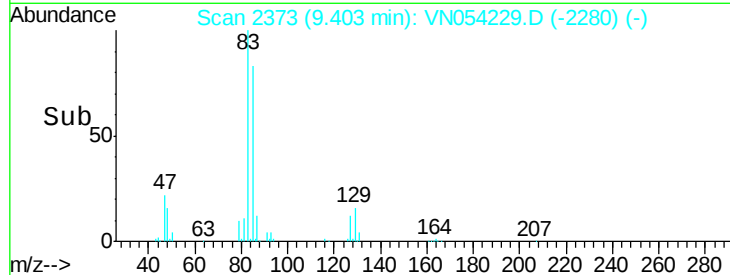
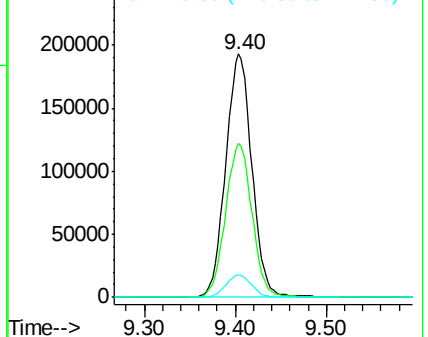
83 100

85 63.2 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): V



#48

Methyl methacrylate

Concen: 20.654 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

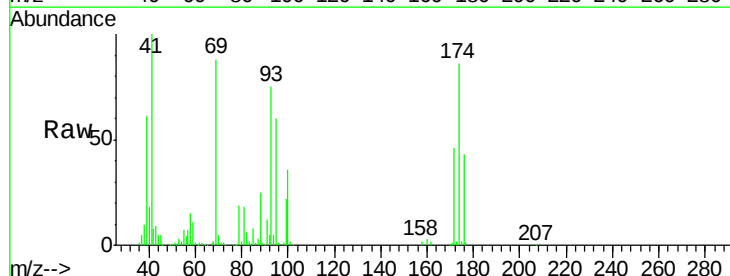
Tgt Ion: 41 Resp: 205236

Ion Ratio Lower Upper

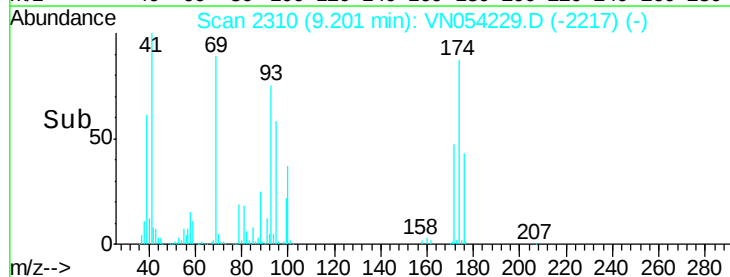
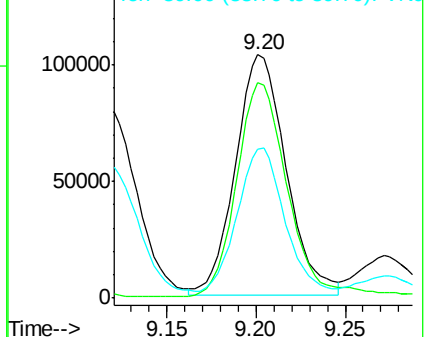
41 100

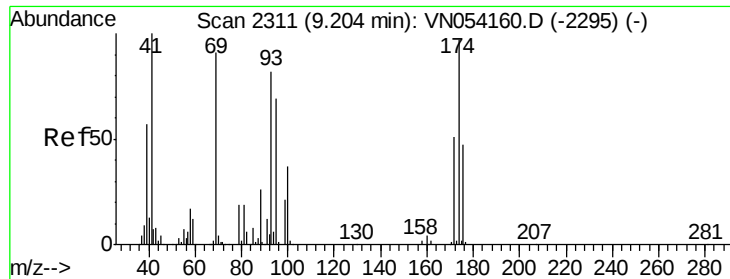
69 90.2 72.6 108.8

39 59.8 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

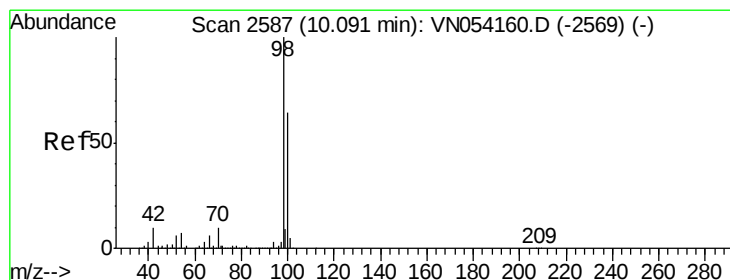
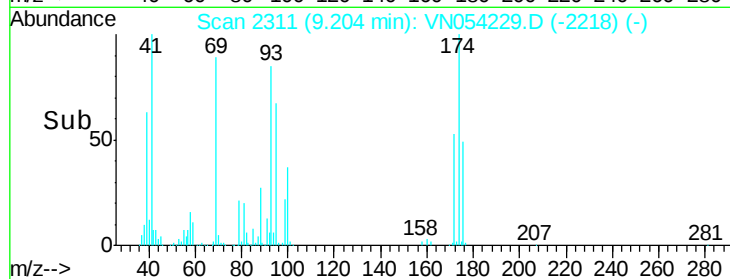
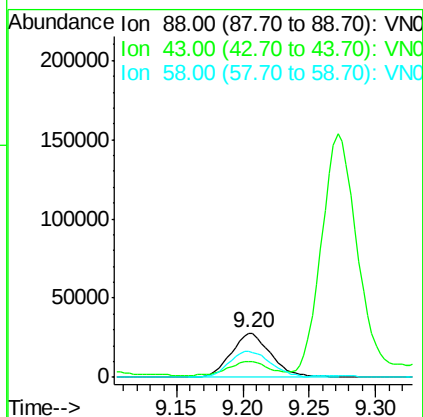
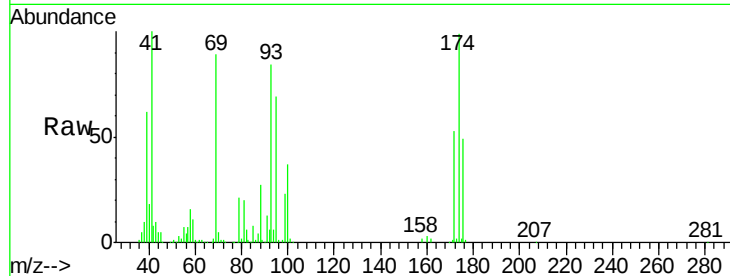




#49
1,4-Dioxane
Concen: 414.966 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

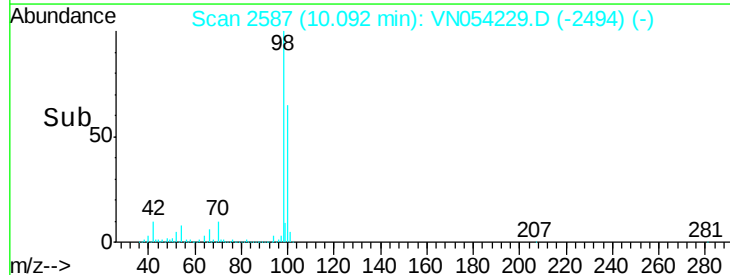
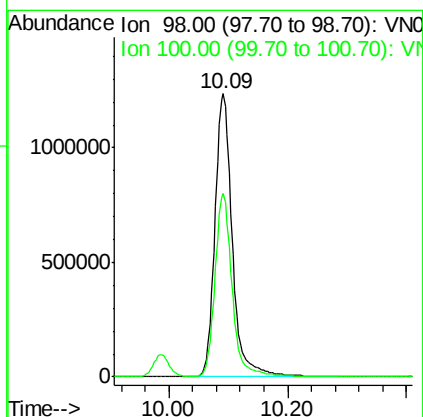
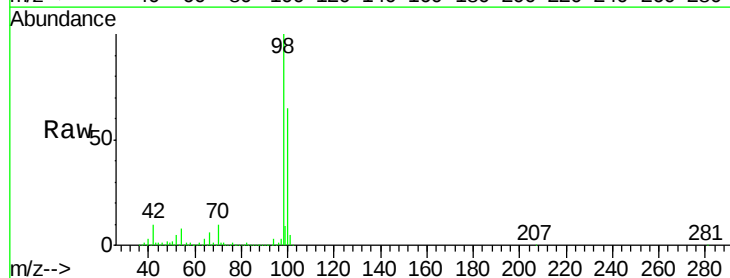
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 58326
Ion Ratio Lower Upper
88 100
43 31.3 24.1 36.1
58 61.8 50.8 76.2



#50
Toluene-d8
Concen: 49.766 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 98 Resp: 2498996
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 102.607 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

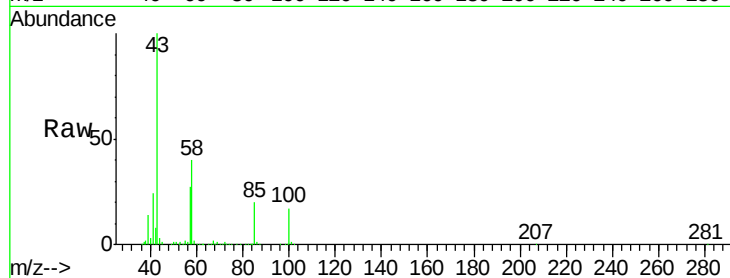
ClientSampled :

Tot Ion: 43 Resp: 1063243

Ion Ratio Lower Upper

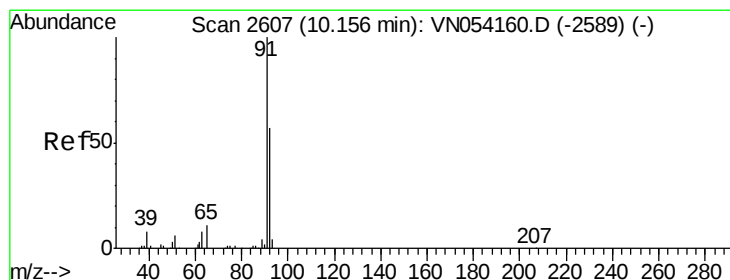
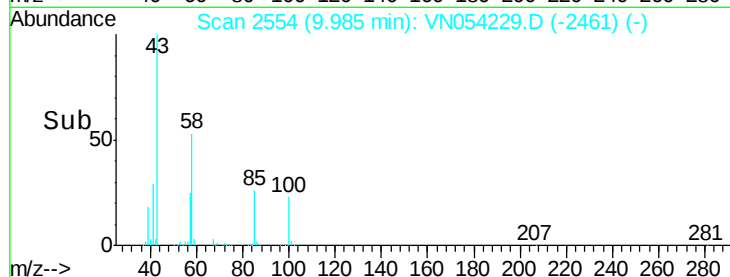
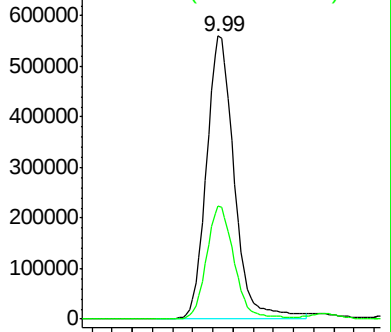
43 100

58 40.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.033 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054229.D

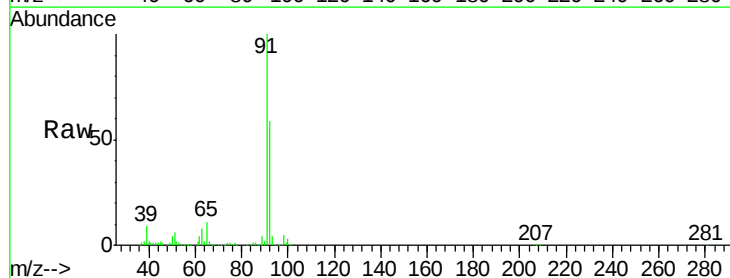
Acq: 13 Mar 2019 23:34

Tgt Ion: 92 Resp: 740929

Ion Ratio Lower Upper

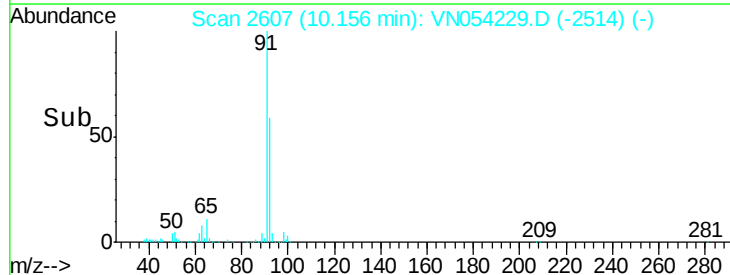
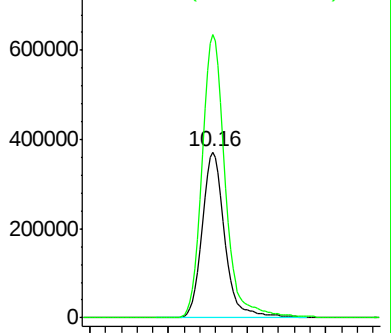
92 100

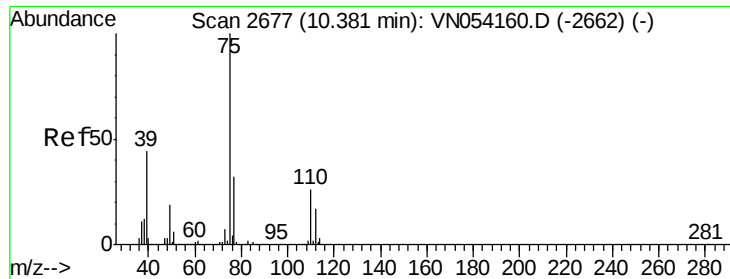
91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.814 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

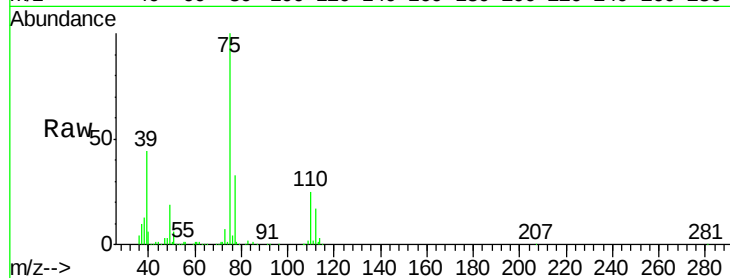
ClientSampled :

Tot Ion: 75 Resp: 352263

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

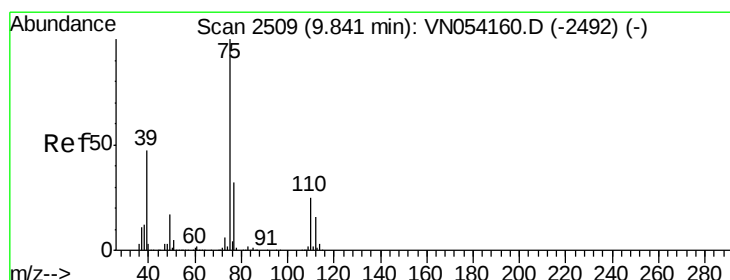
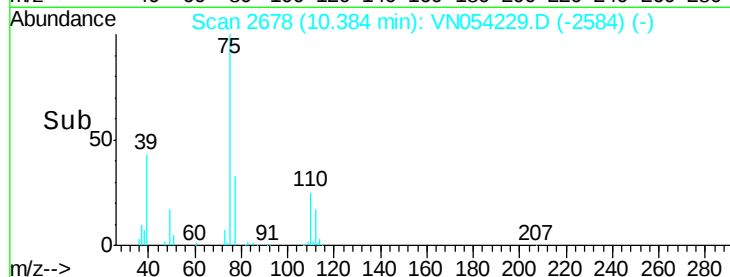
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.327 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

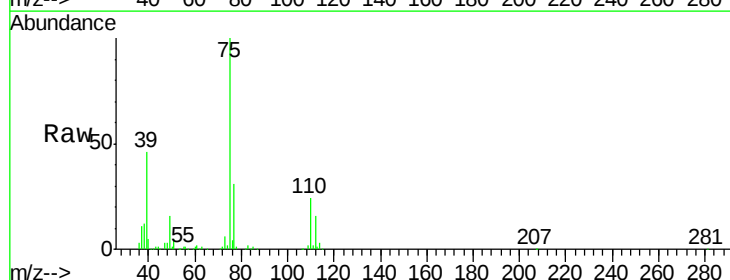
Tgt Ion: 75 Resp: 420849

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 46.2 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

250000

200000

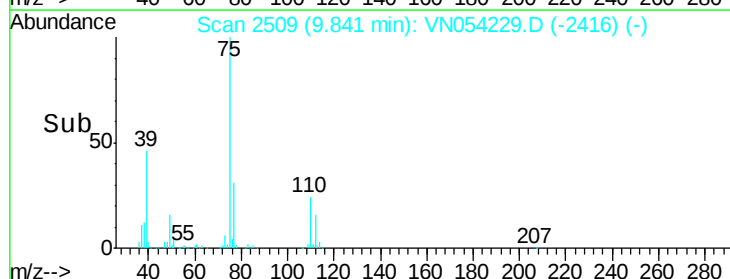
150000

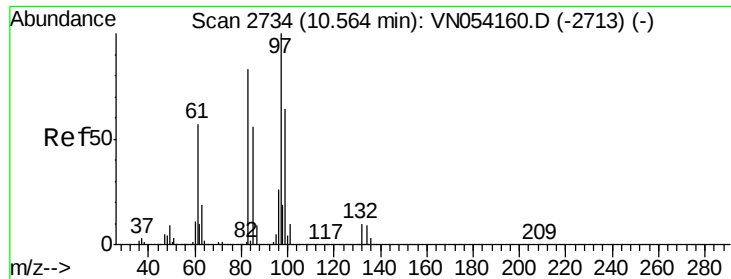
100000

50000

0

Time-->

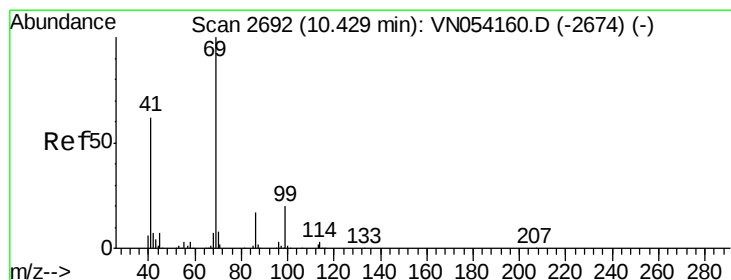
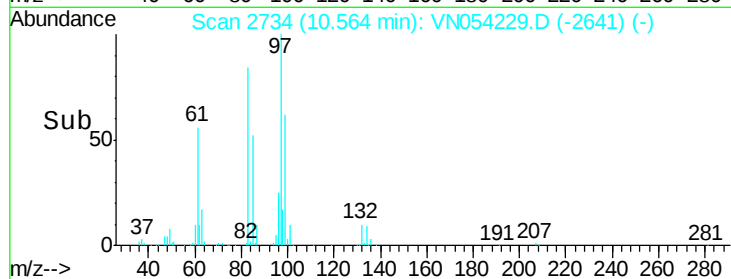
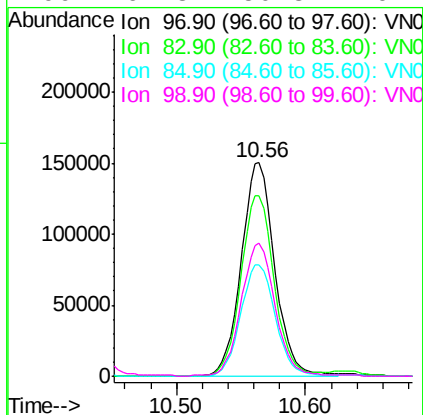
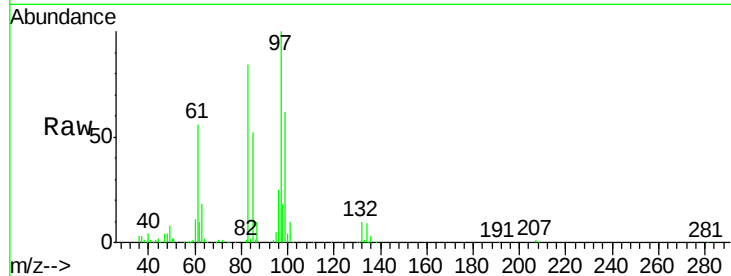




#55
 1,1,2-Trichloroethane
 Concen: 21.101 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

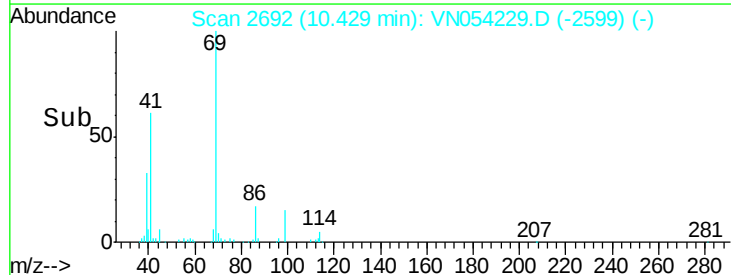
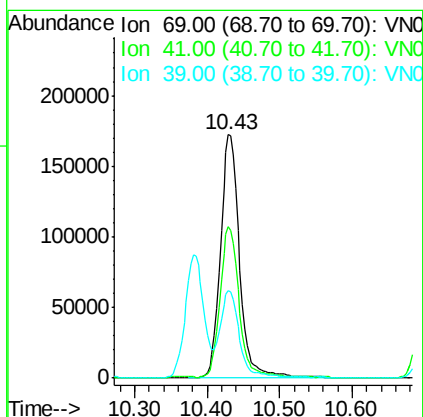
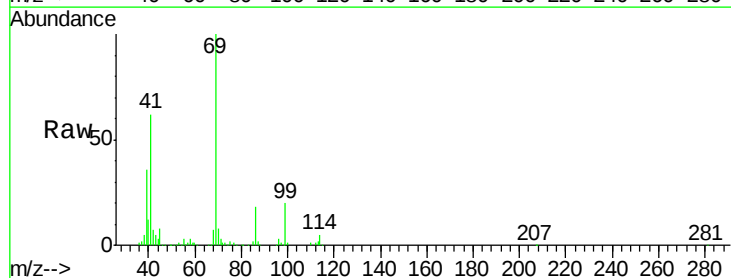
Instrument :
 MSVOA_N
 ClientSampled :

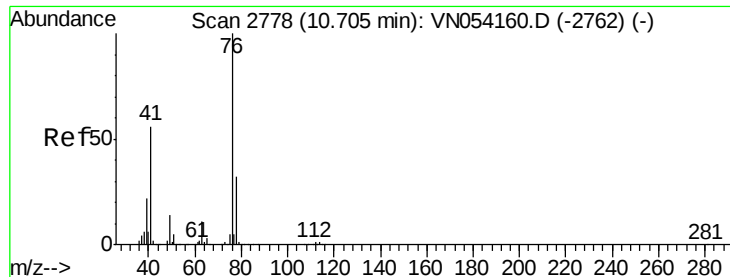
Tot Ion:	97	Resp:	271415
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.6	100.0
85	52.2	44.4	66.6
99	61.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.450 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion:	69	Resp:	313647
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.4	74.2
39	35.8	28.3	42.5

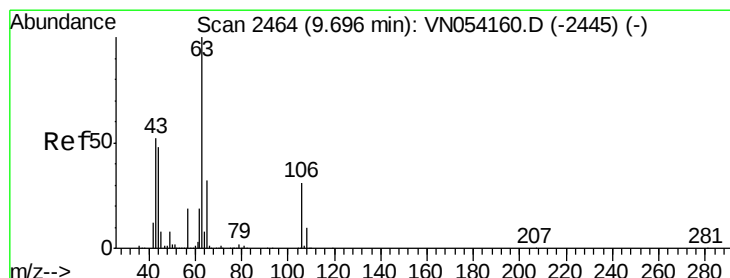
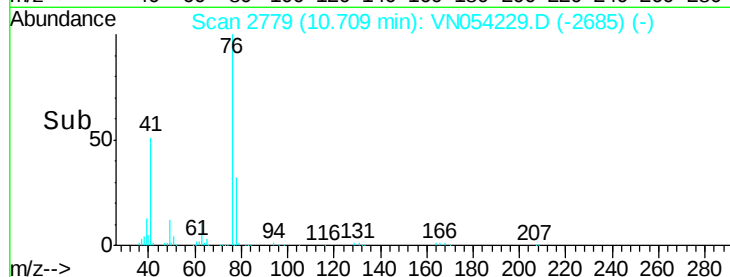
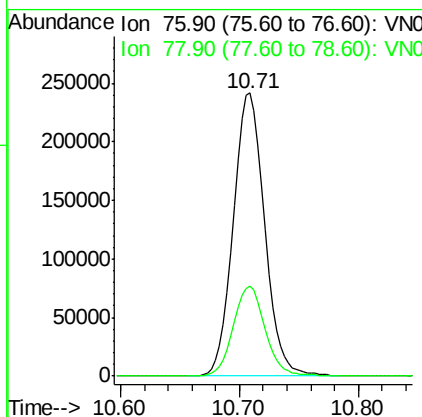
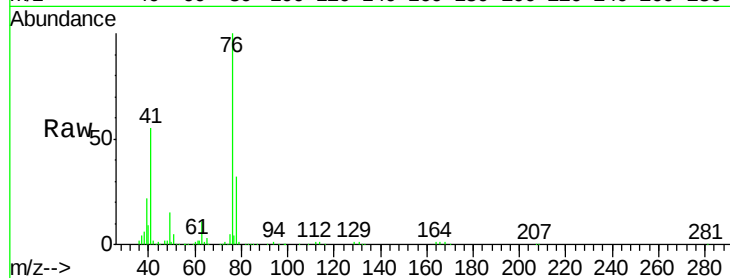




#57
 1,3-Dichloropropane
 Concen: 20.997 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

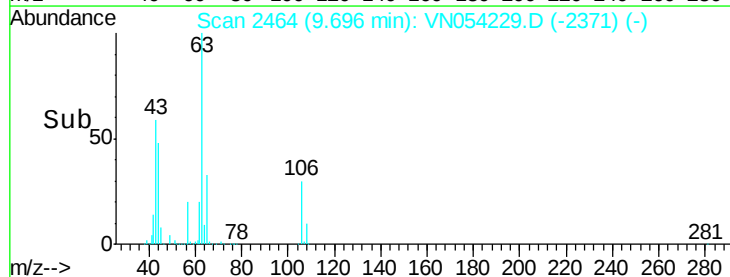
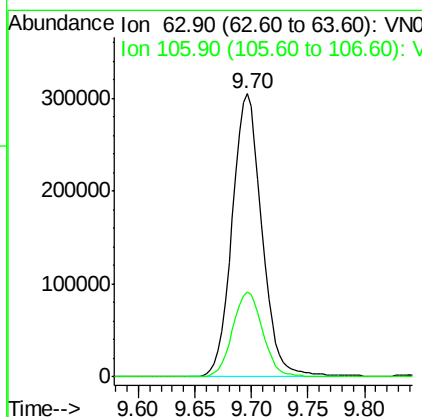
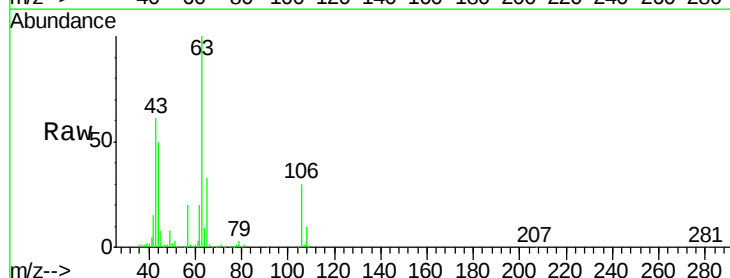
Instrument :
 MSVOA_N
 ClientSampled :

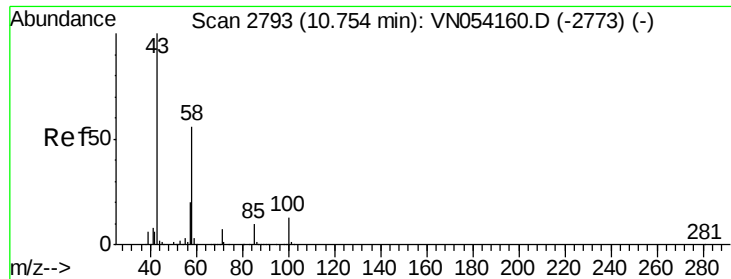
Tot Ion: 76 Resp: 441610
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.107 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion: 63 Resp: 558446
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6

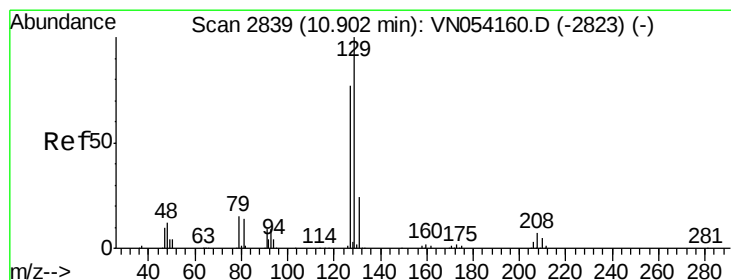
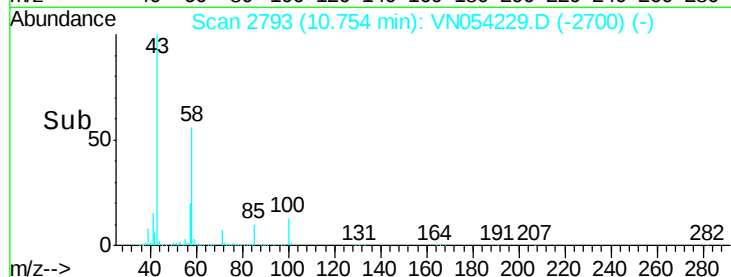
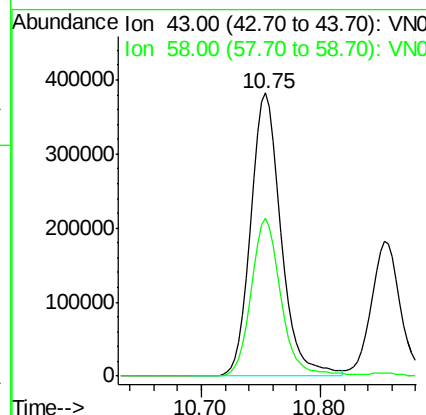
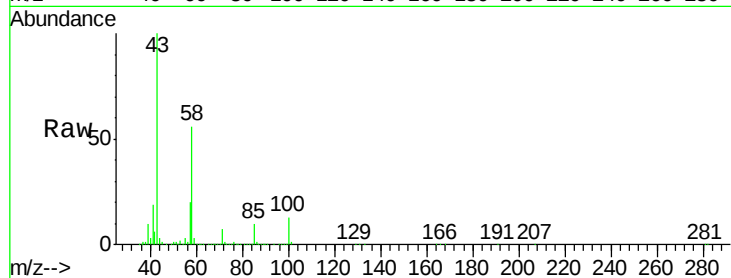




#59
2-Hexanone
Concen: 97.364 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

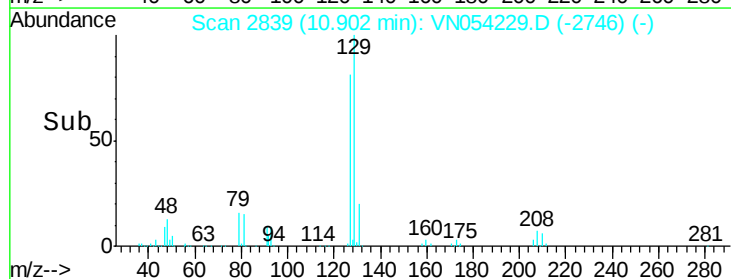
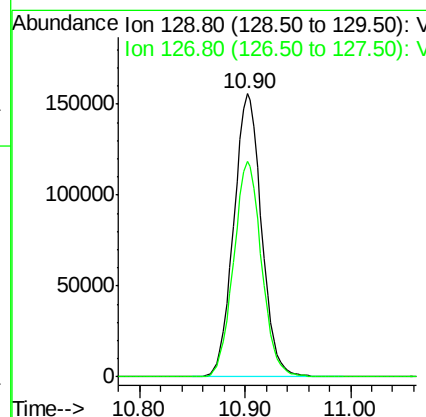
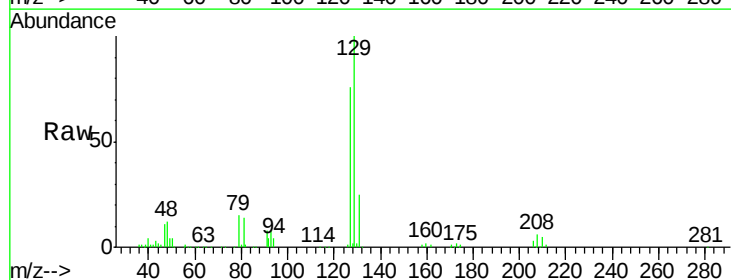
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 671325
Ion Ratio Lower Upper
43 100
58 55.1 28.0 83.9



#60
Dibromochloromethane
Concen: 19.618 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion: 129 Resp: 284023
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.016 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

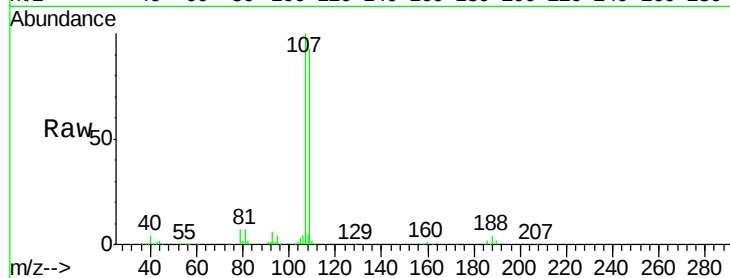
ClientSampleId :

Tot Ion:107 Resp: 274709

Ion Ratio Lower Upper

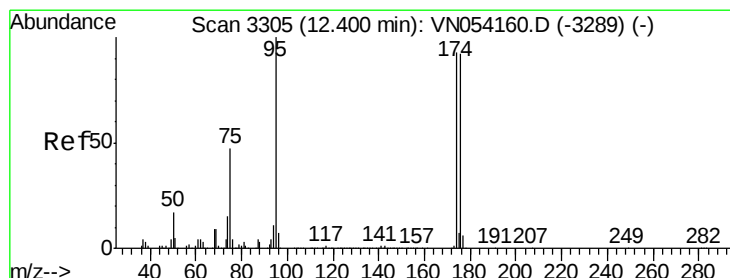
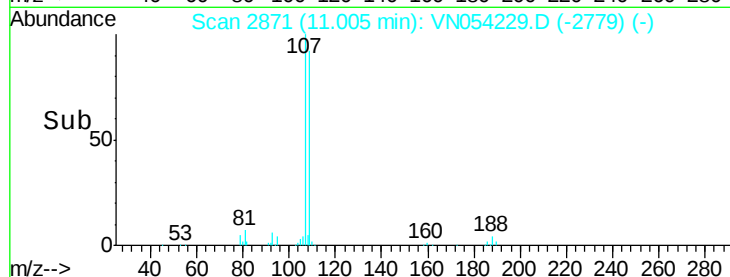
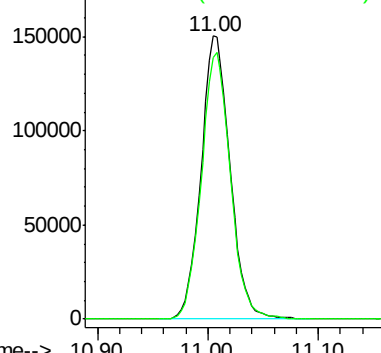
107 100

109 94.3 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.997 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

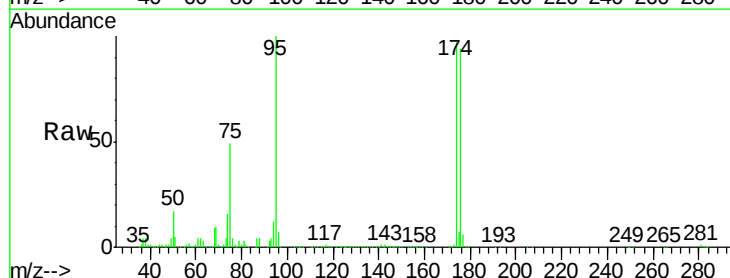
Tgt Ion: 95 Resp: 860897

Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

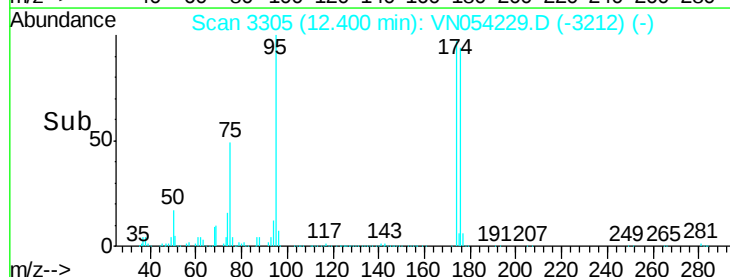
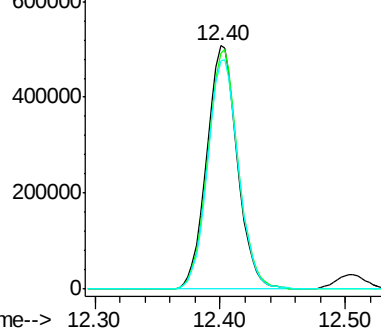
176 94.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

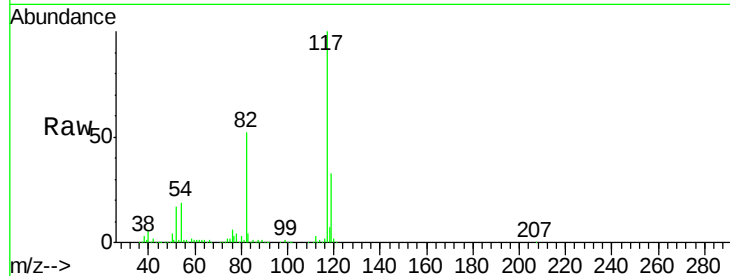




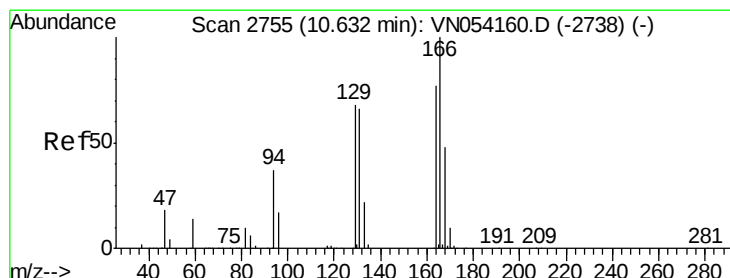
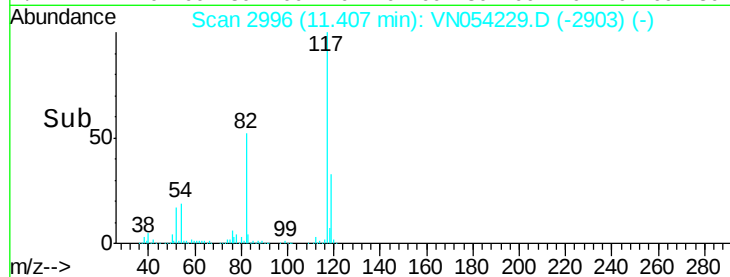
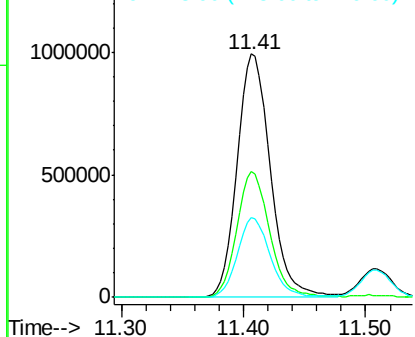
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1871738
Ion Ratio Lower Upper
117 100
82 51.6 40.0 60.0
119 32.6 25.8 38.6

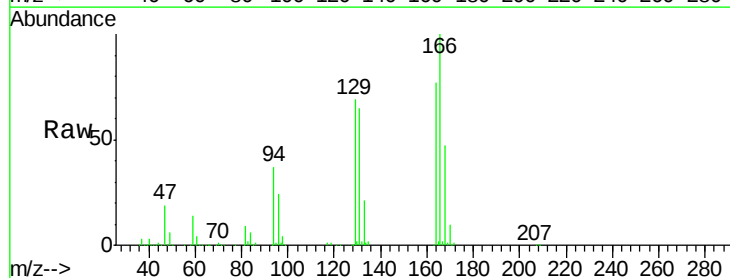


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

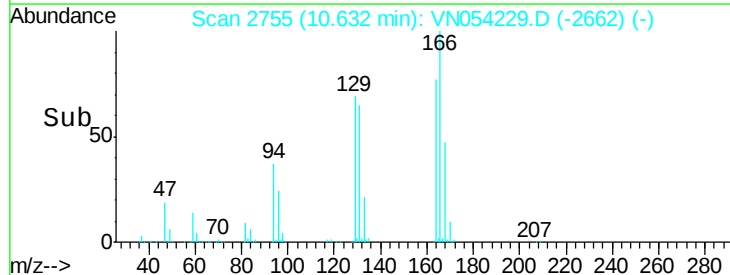
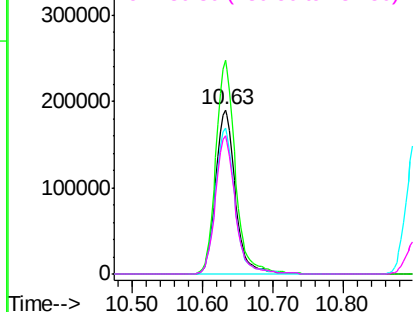


#64
Tetrachloroethene
Concen: 20.368 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion:164 Resp: 368592
Ion Ratio Lower Upper
164 100
166 130.2 103.9 155.9
129 89.3 71.1 106.7
131 84.1 68.2 102.4



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

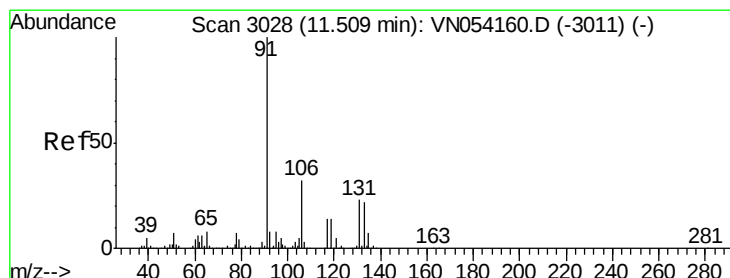
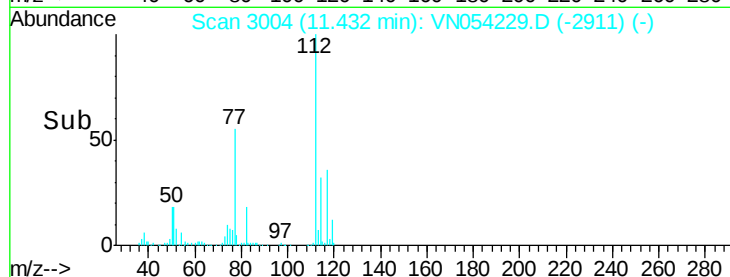
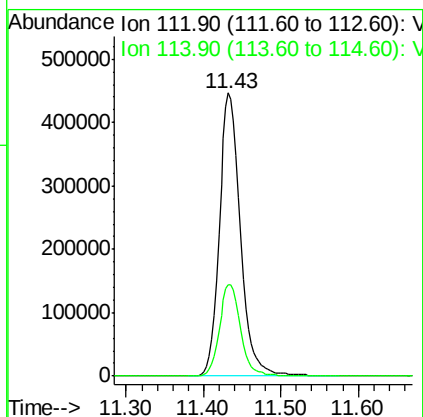
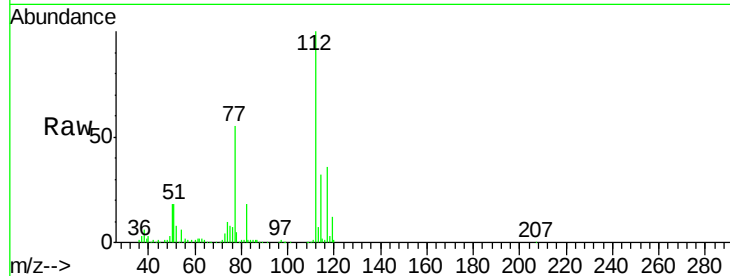




#65
Chlorobenzene
Concen: 20.696 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

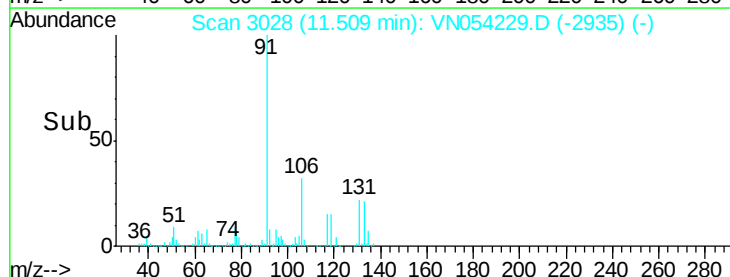
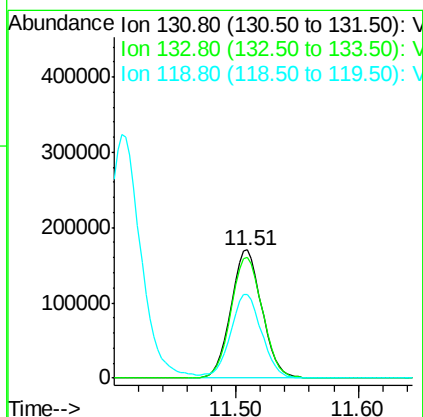
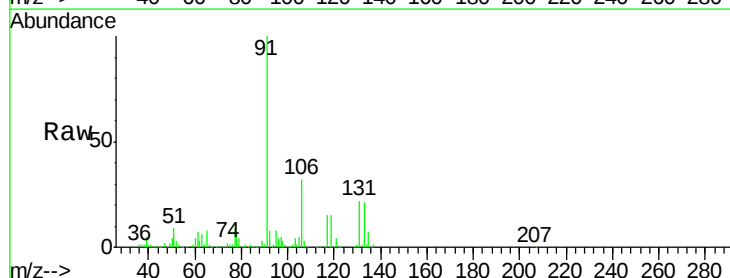
Instrument :
MSVOA_N
ClientSampled :

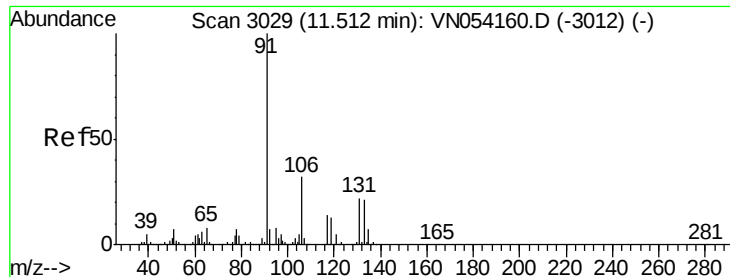
Tot Ion:112 Resp: 850558
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.146 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion:131 Resp: 300772
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.4 32.4 97.0





#67

Ethyl Benzene

Concen: 20.343 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

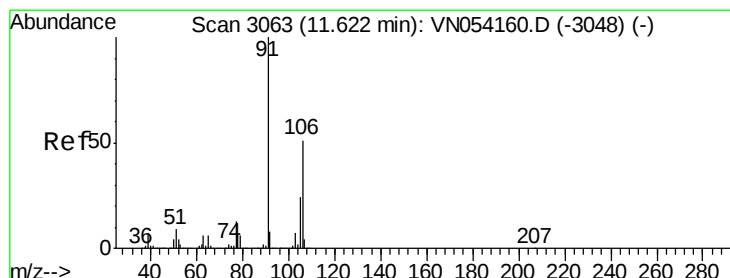
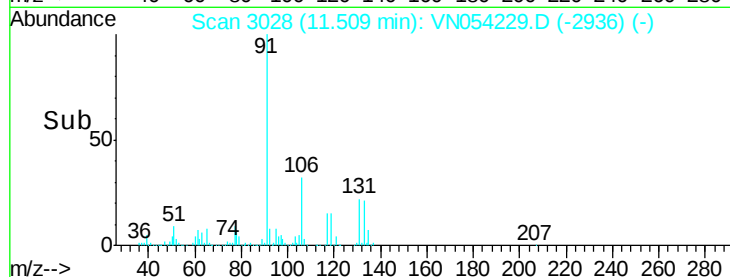
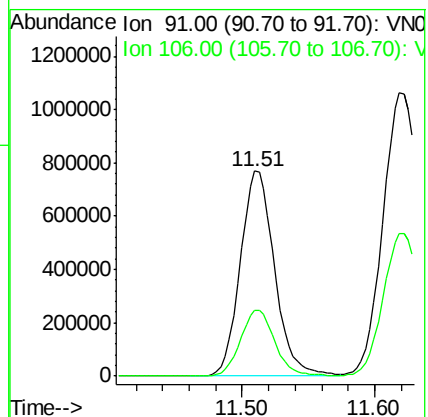
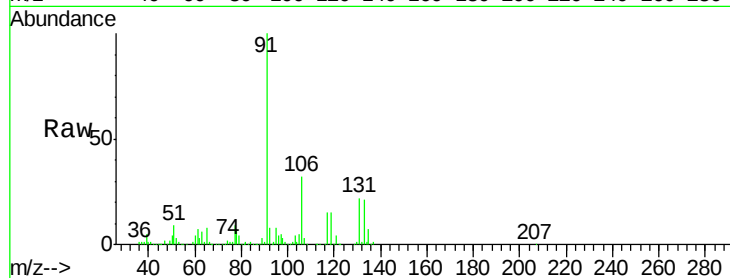
ClientSampled :

Tot Ion: 91 Resp: 1385940

Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3



#68

m/p-Xylenes

Concen: 40.945 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054229.D

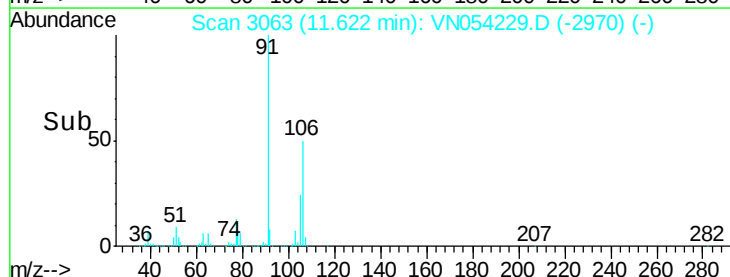
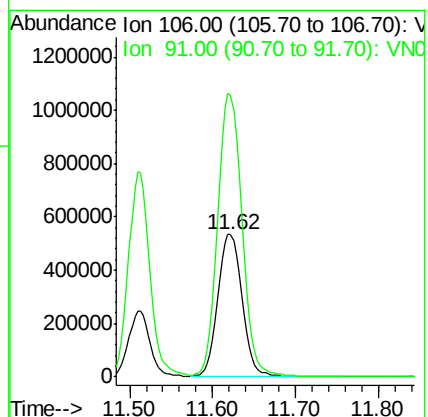
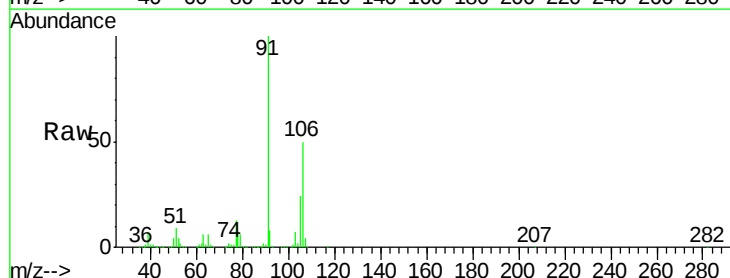
Acq: 13 Mar 2019 23:34

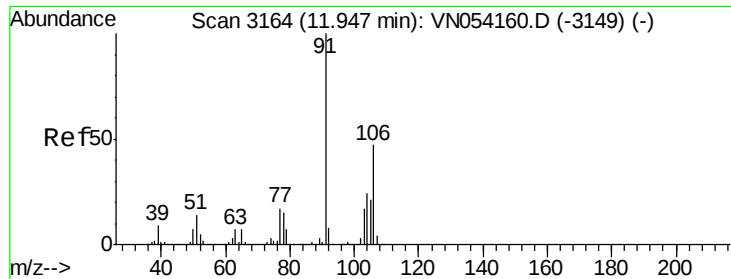
Tgt Ion: 106 Resp: 1090268

Ion Ratio Lower Upper

106 100

91 199.3 159.4 239.2

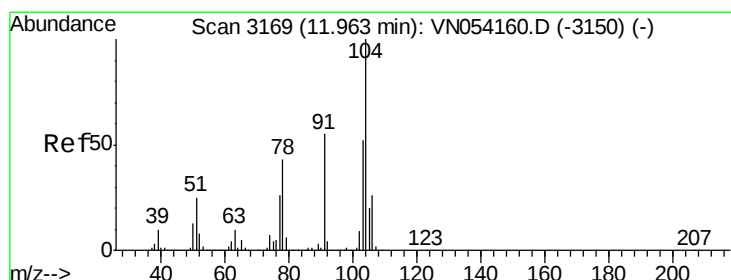
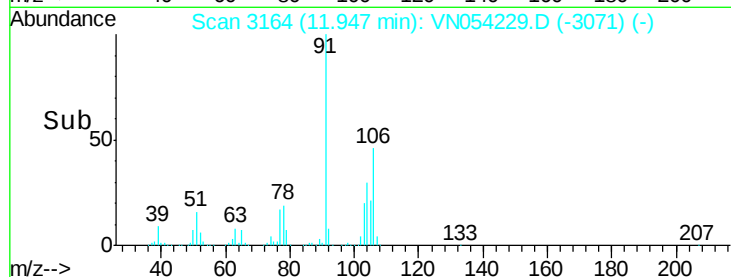
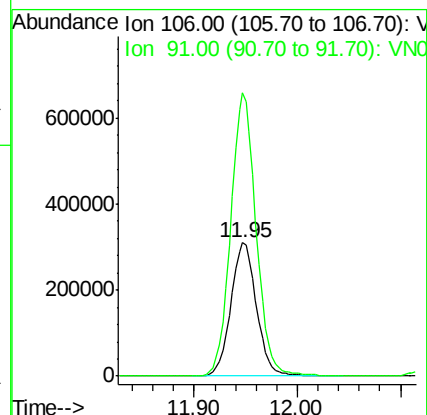
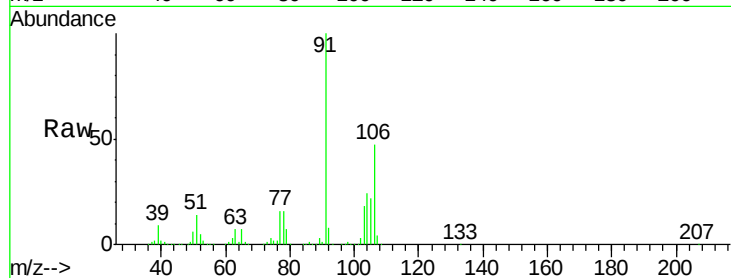




#69
o-Xylene
Concen: 20.678 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

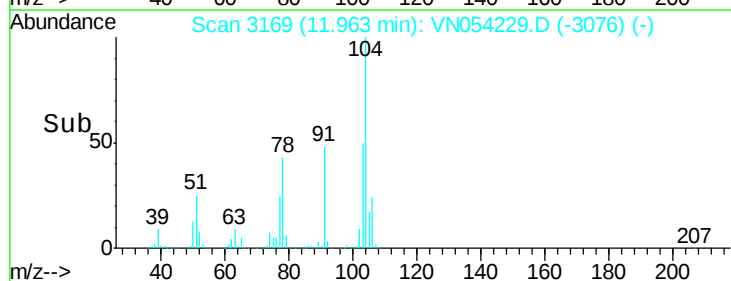
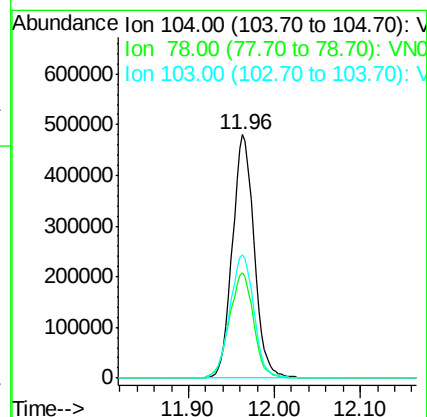
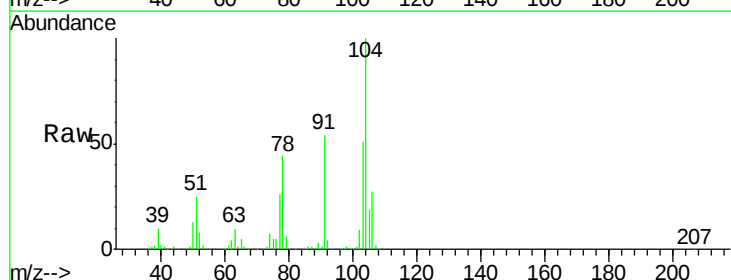
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 536739
Ion Ratio Lower Upper
106 100
91 209.8 105.7 317.1



#70
Styrene
Concen: 20.803 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054229.D
Acq: 13 Mar 2019 23:34

Tgt Ion:104 Resp: 846893
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 17.641 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

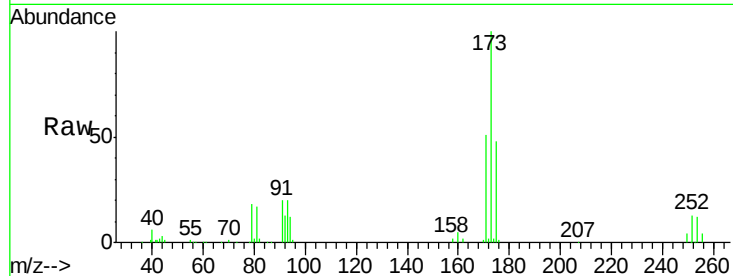
Tot Ion:173 Resp: 182602

Ion Ratio Lower Upper

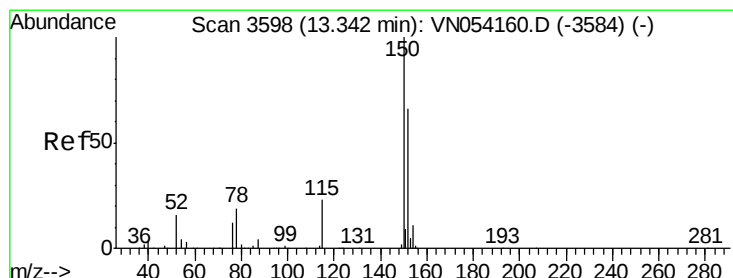
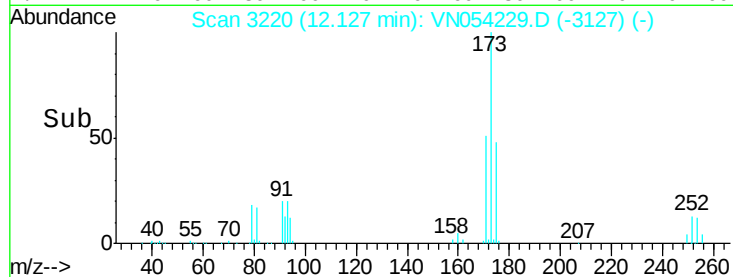
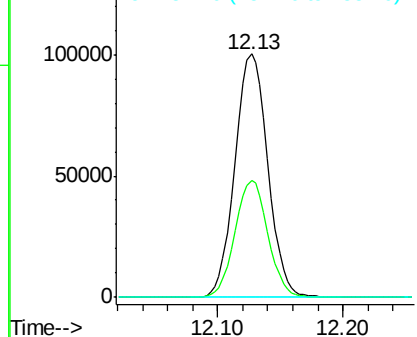
173 100

175 48.0 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

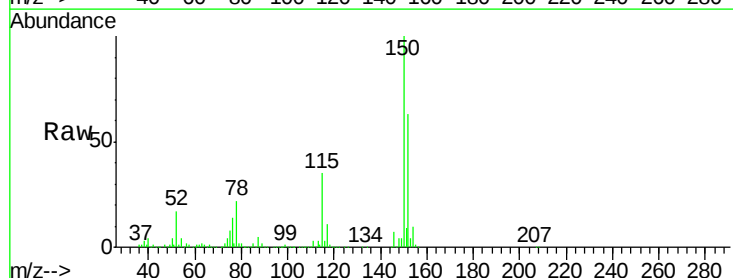
Tgt Ion:152 Resp: 891004

Ion Ratio Lower Upper

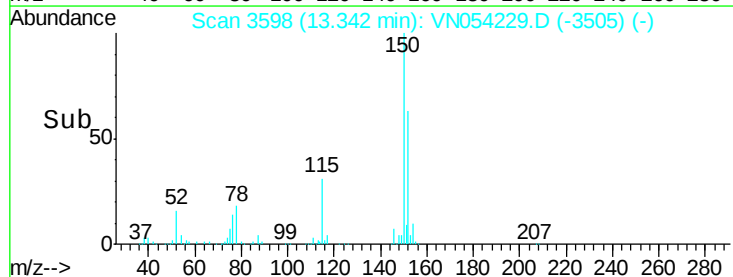
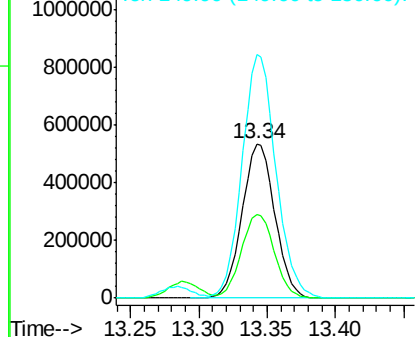
152 100

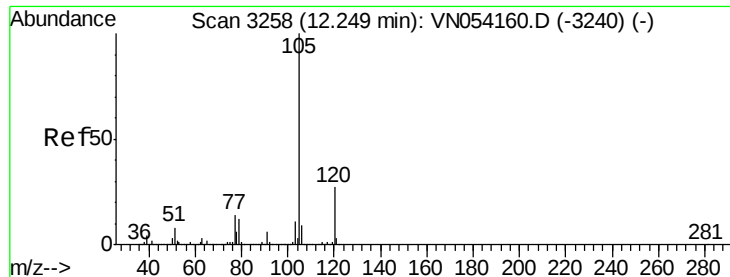
115 54.8 27.2 81.6

150 162.7 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: 19.888 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

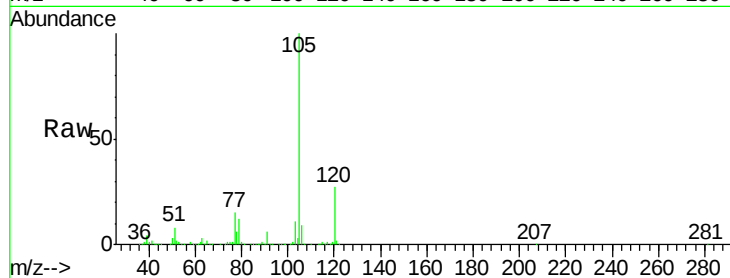
ClientSampleId :

Tot Ion:105 Resp: 1417720

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

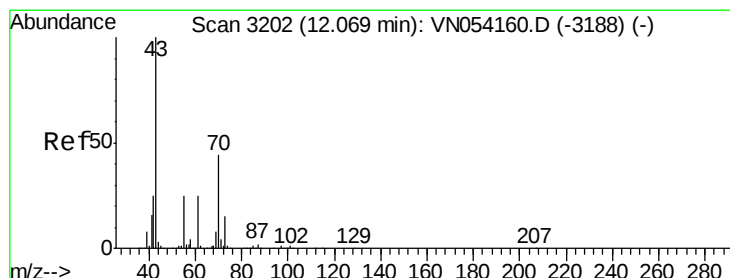
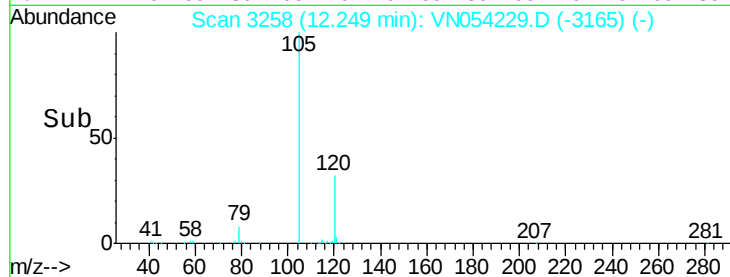
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.305 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Tgt Ion: 43 Resp: 305463

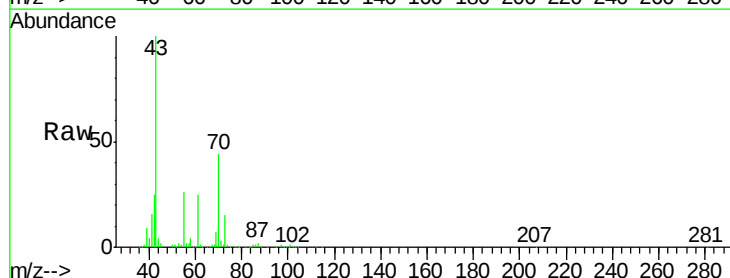
Ion Ratio Lower Upper

43 100

70 44.7 35.4 53.0

55 25.9 19.8 29.6

61 24.6 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

250000

200000

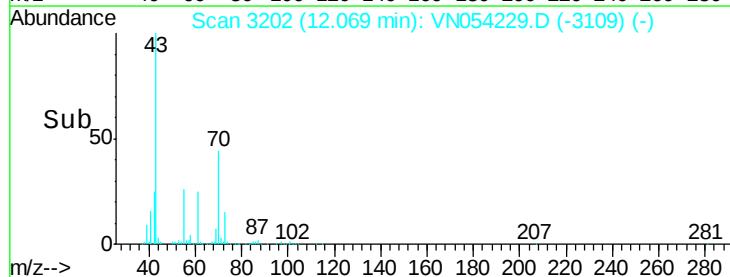
150000

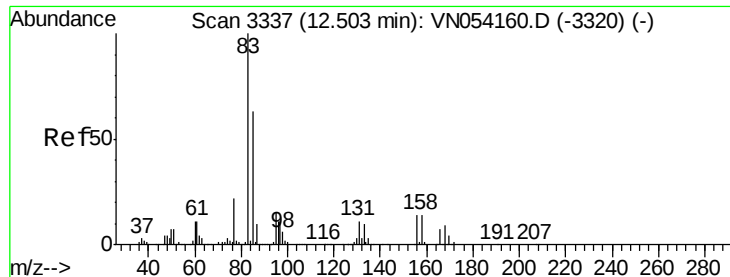
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.170 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

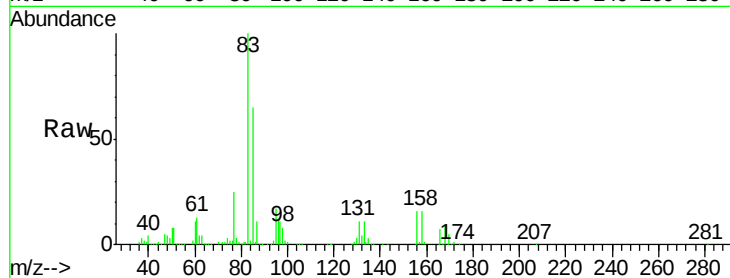
Tot Ion: 83 Resp: 306339

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.4

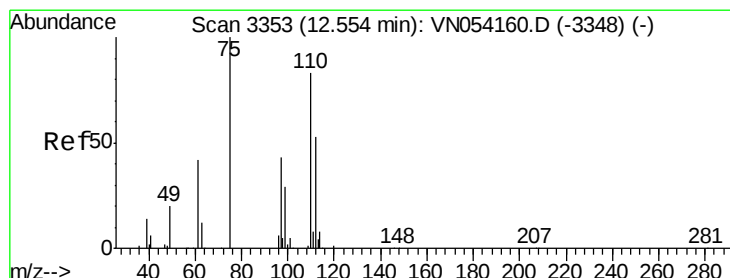
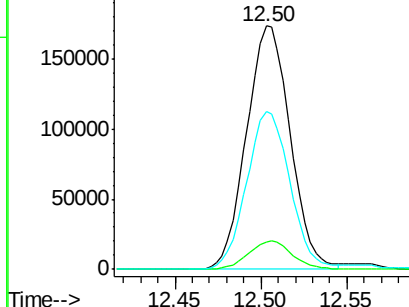
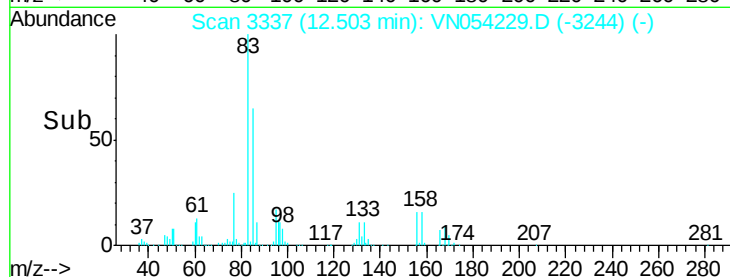
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054229.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054229.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054229.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 27.376 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054229.D

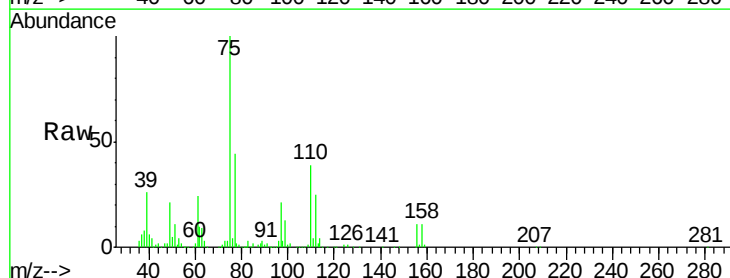
Acq: 13 Mar 2019 23:34

Tgt Ion: 75 Resp: 358703

Ion Ratio Lower Upper

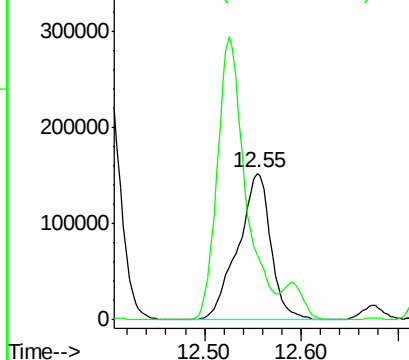
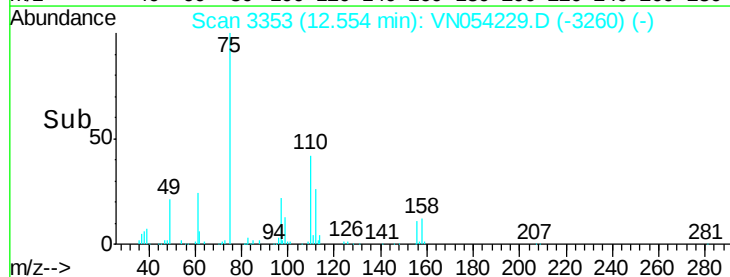
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054229.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054229.D (-3260) (-)





#77

Bromobenzene

Concen: 20.296 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

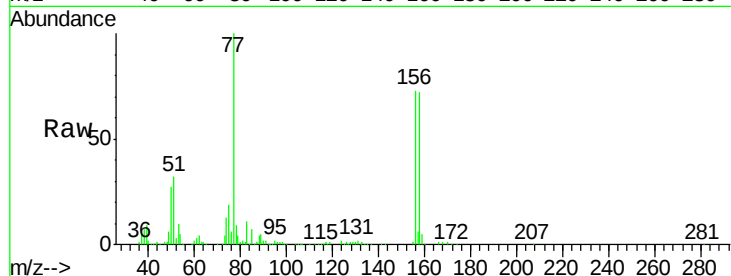
Tot Ion:156 Resp: 382847

Ion Ratio Lower Upper

156 100

77 157.3 81.5 244.4

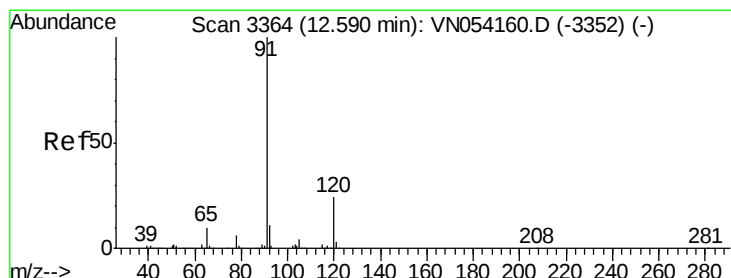
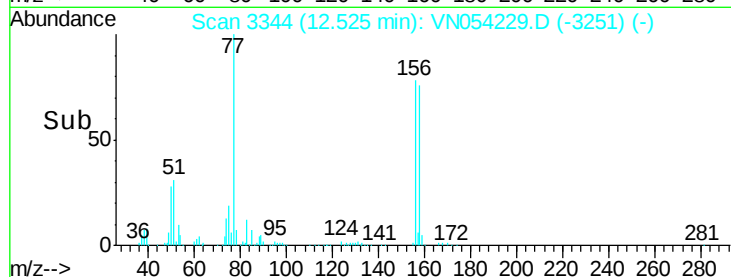
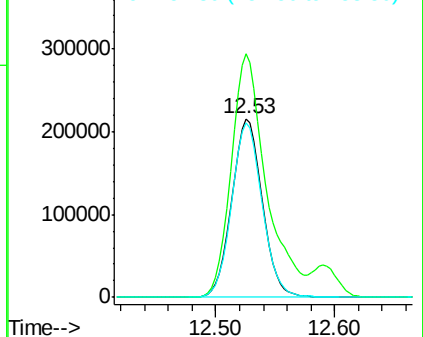
158 97.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.974 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054229.D

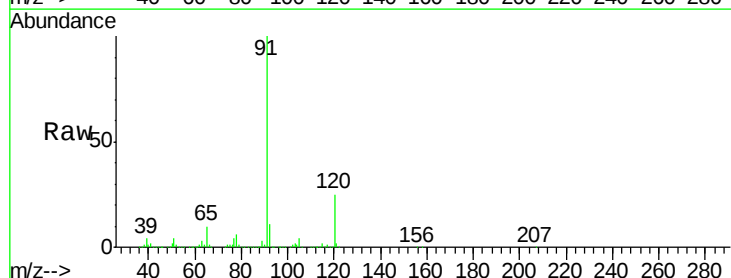
Acq: 13 Mar 2019 23:34

Tgt Ion: 91 Resp: 1544992

Ion Ratio Lower Upper

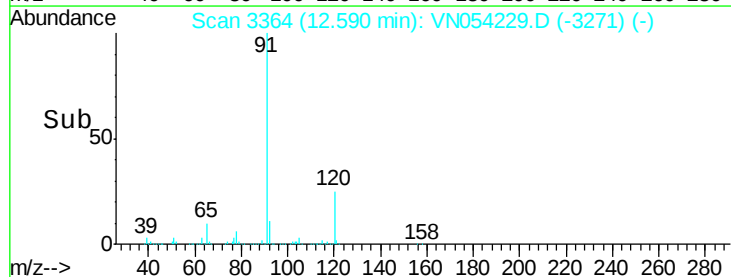
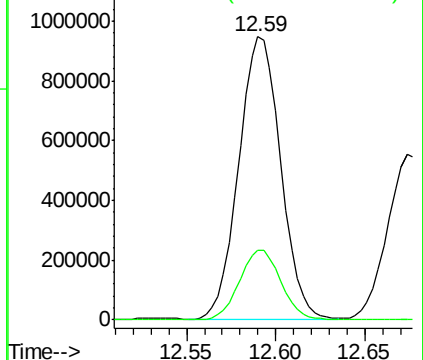
91 100

120 24.6 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: 19.965 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

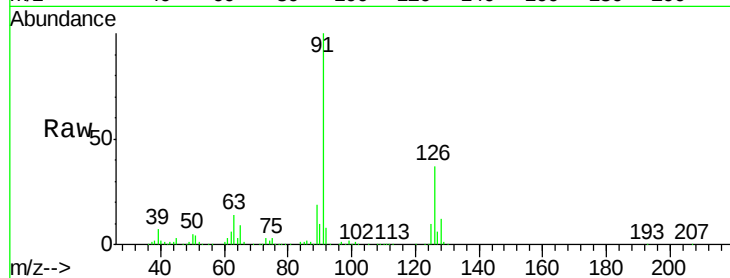
ClientSampled :

Tot Ion: 91 Resp: 928533

Ion Ratio Lower Upper

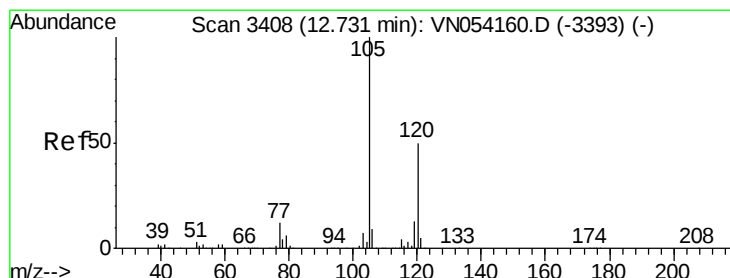
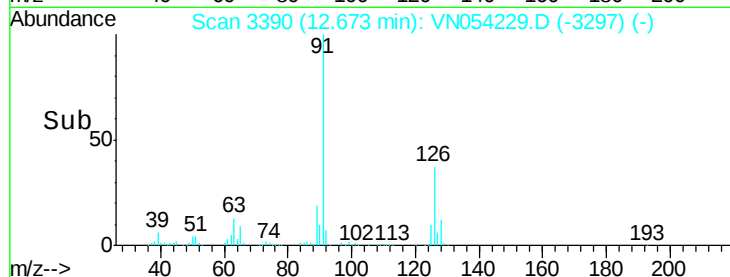
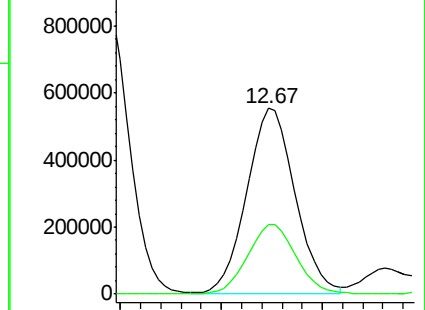
91 100

126 37.7 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.881 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054229.D

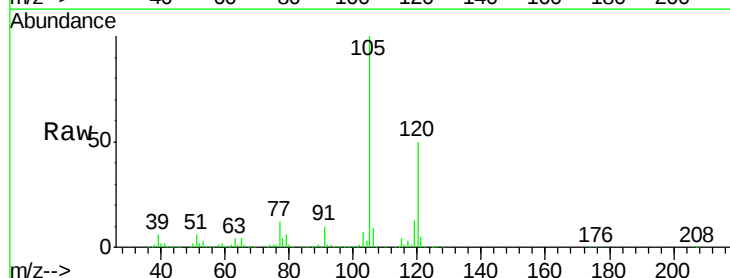
Acq: 13 Mar 2019 23:34

Tgt Ion: 105 Resp: 1178867

Ion Ratio Lower Upper

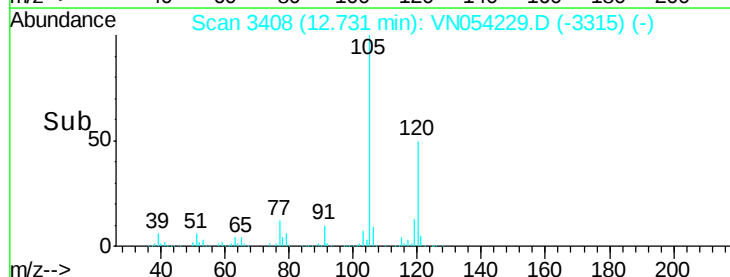
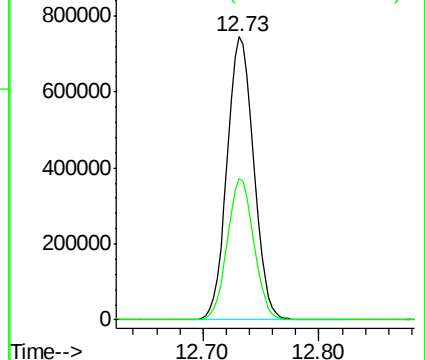
105 100

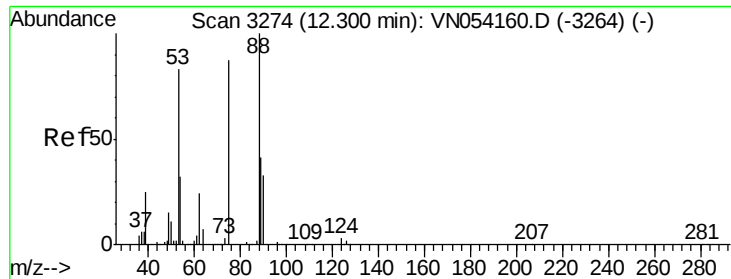
120 49.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.554 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

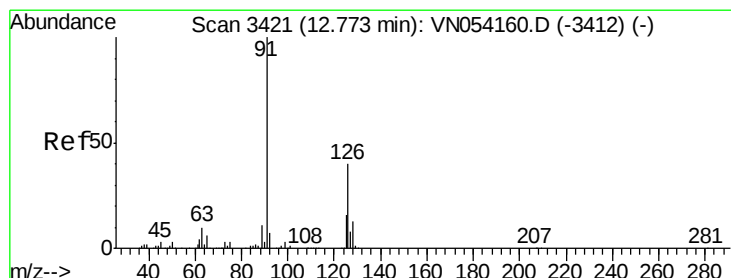
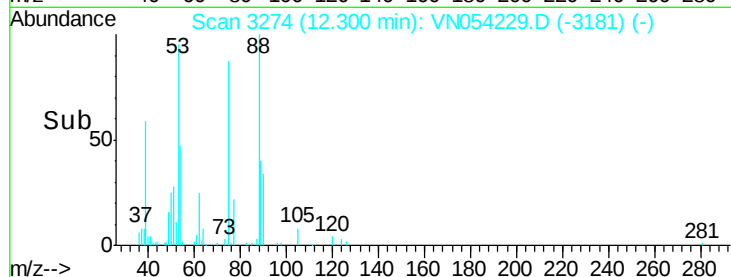
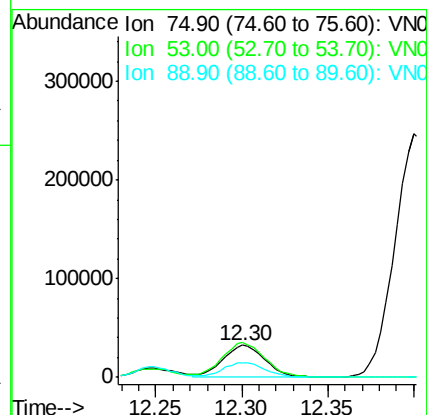
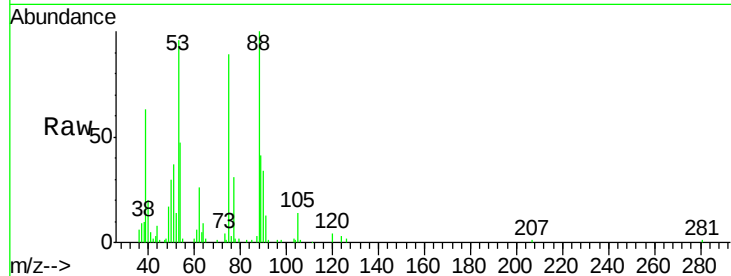
Tot Ion: 75 Resp: 55786

Ion Ratio Lower Upper

75 100

53 111.0 76.2 114.2

89 46.9 39.2 58.8



#82

4-Chlorotoluene

Concen: 19.858 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054229.D

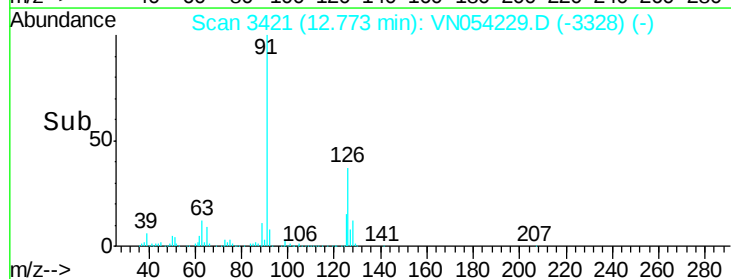
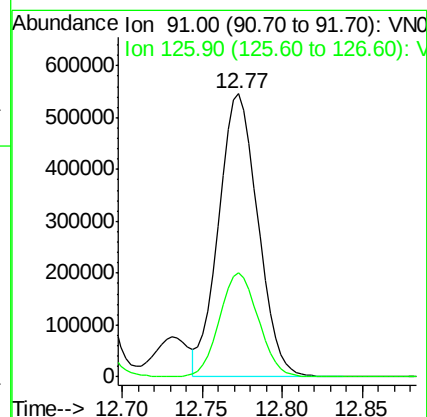
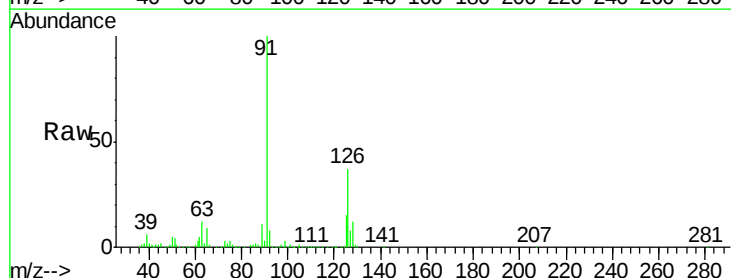
Acq: 13 Mar 2019 23:34

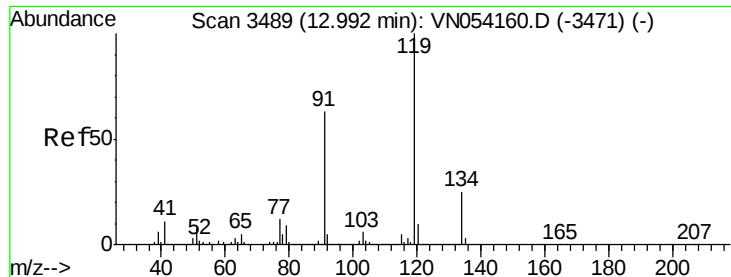
Tgt Ion: 91 Resp: 922186

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.1

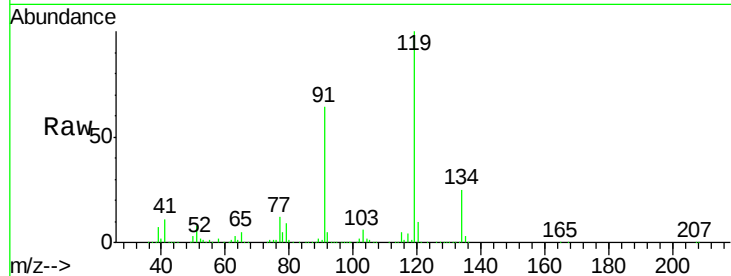




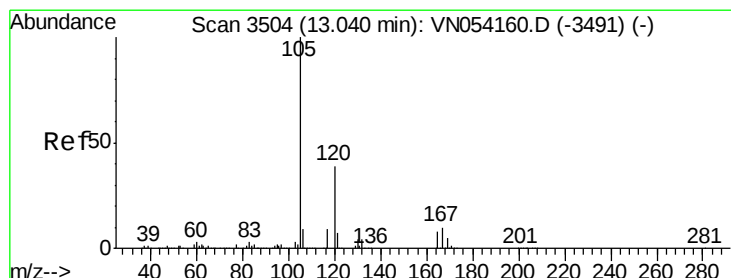
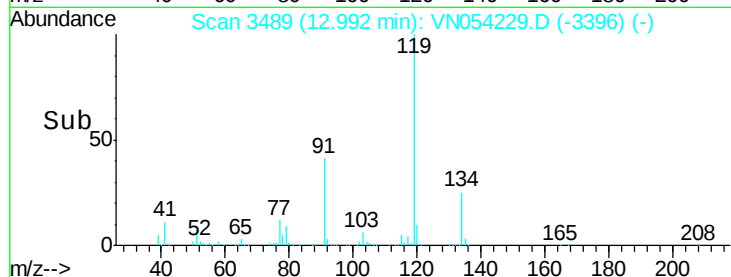
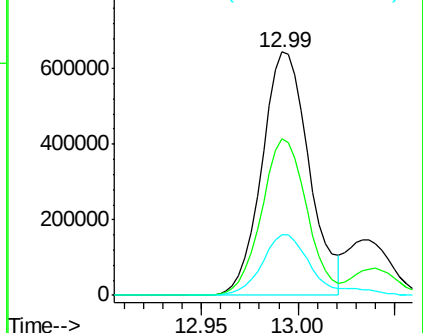
#83
 tert-Butylbenzene
 Concen: 19.981 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 1090498
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.9 92.8
 134 26.5 13.2 39.6

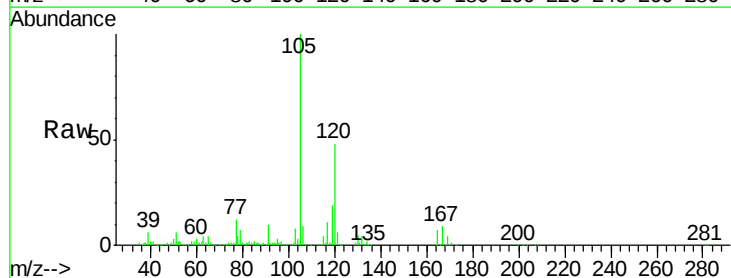


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

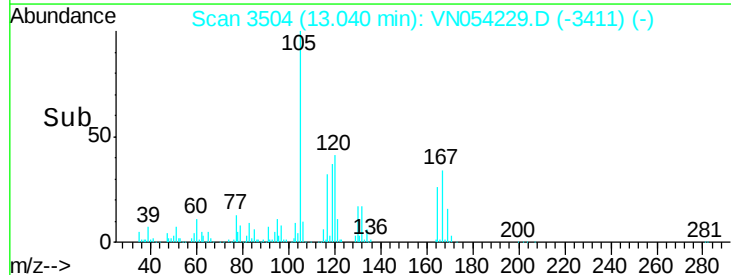
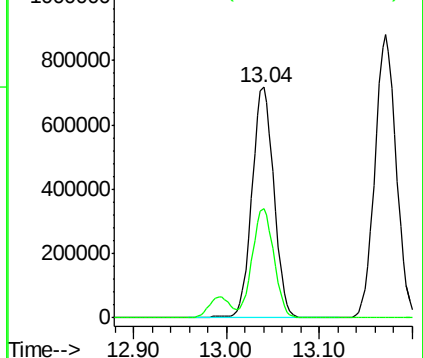


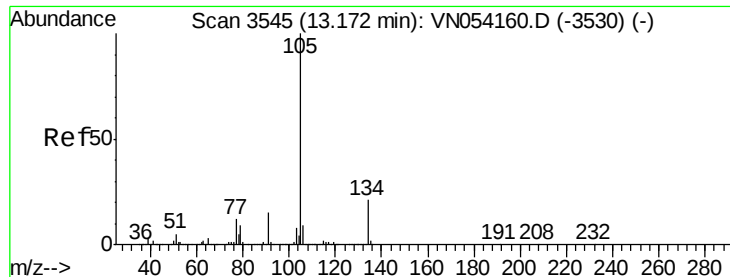
#84
 1,2,4-Trimethylbenzene
 Concen: 20.188 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion:105 Resp: 1174374
 Ion Ratio Lower Upper
 105 100
 120 47.2 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: 19.710 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

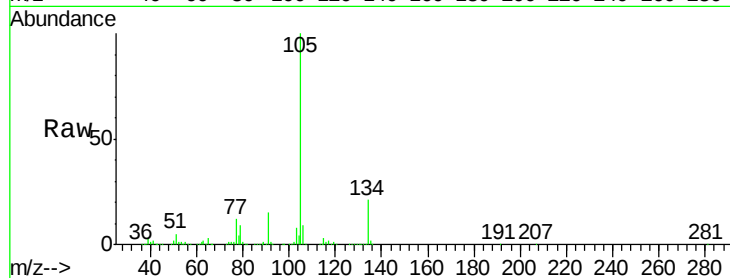
ClientSampleId :

Tot Ion:105 Resp: 1395069

Ion Ratio Lower Upper

105 100

134 21.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

600000

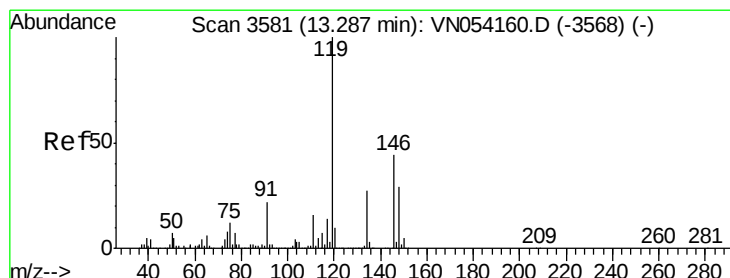
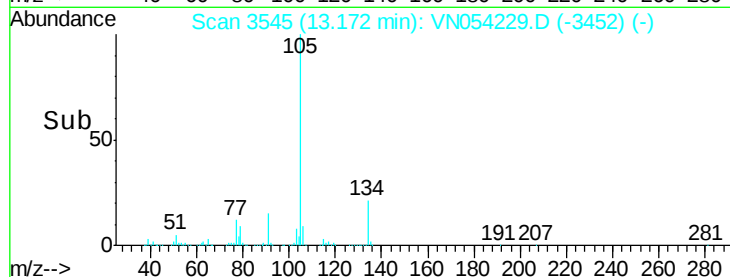
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.708 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

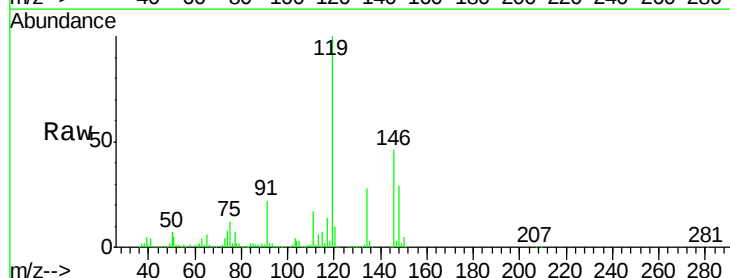
Tgt Ion:119 Resp: 1223774

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

91 22.1 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

13.29

800000

600000

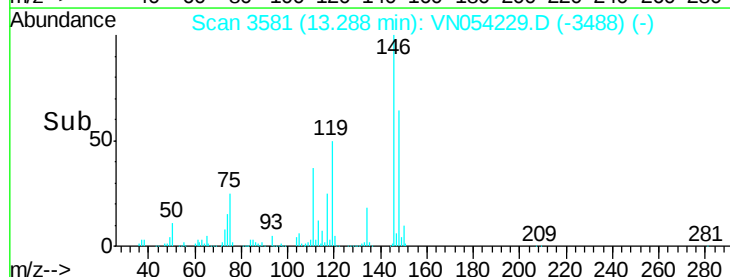
400000

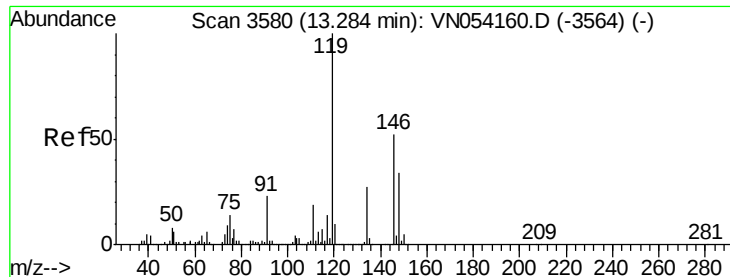
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.422 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

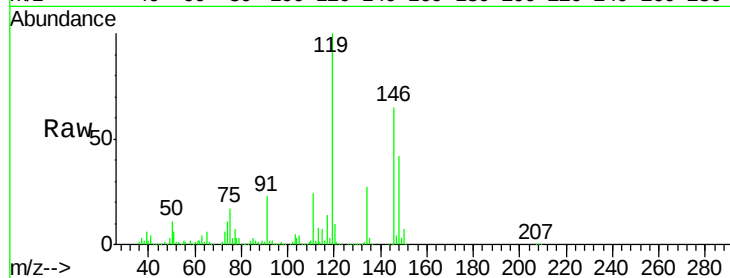
Tot Ion:146 Resp: 649125

Ion Ratio Lower Upper

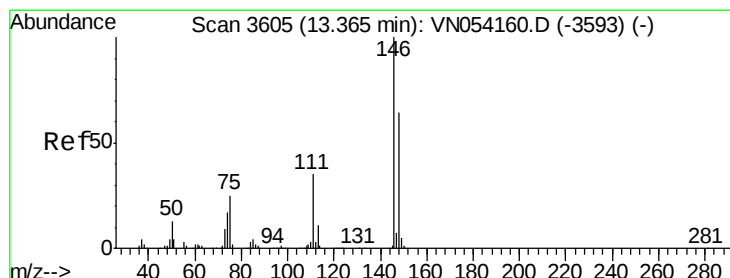
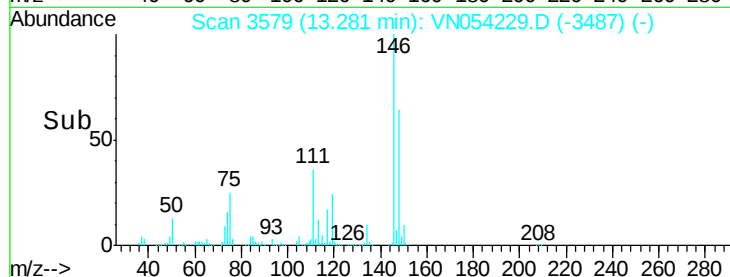
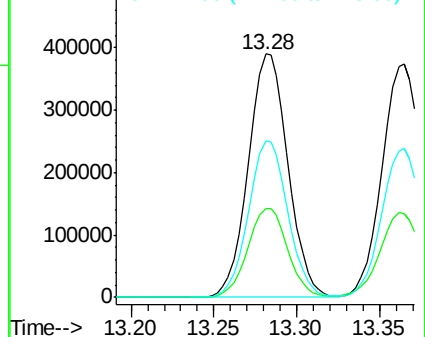
146 100

111 36.8 18.8 56.3

148 63.9 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: 20.177 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

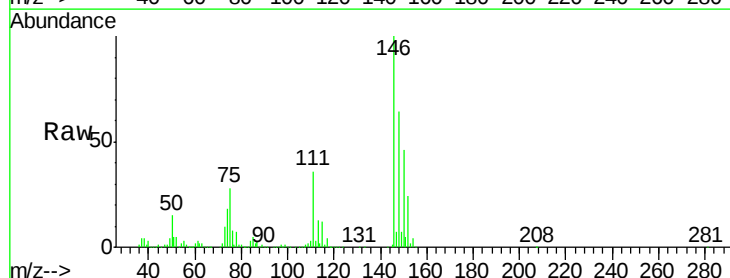
Tgt Ion:146 Resp: 630024

Ion Ratio Lower Upper

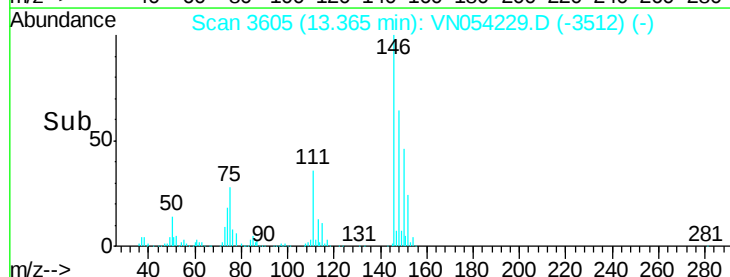
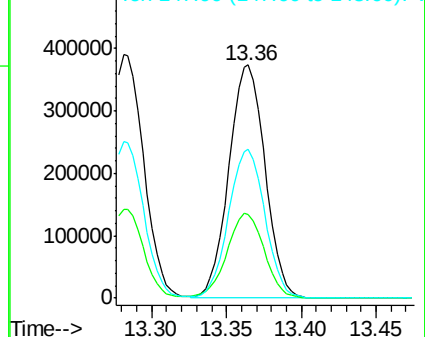
146 100

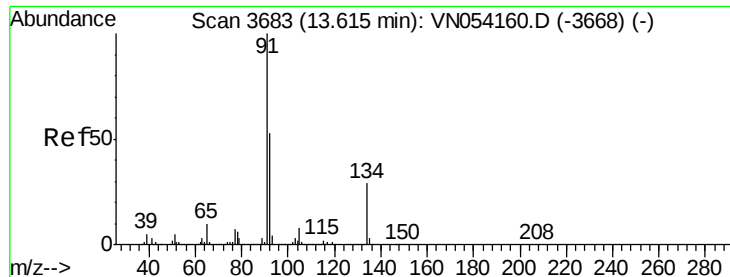
111 37.4 18.1 54.1

148 64.2 32.0 96.0



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





#89

n-Butylbenzene

Concen: 19.624 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

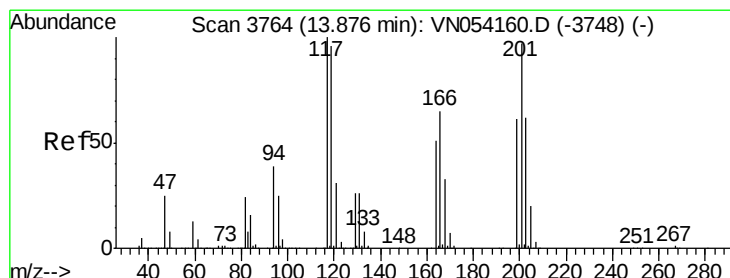
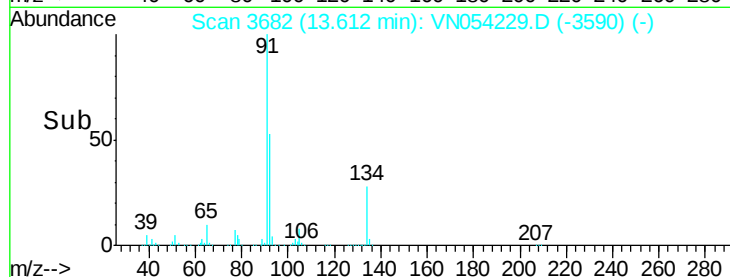
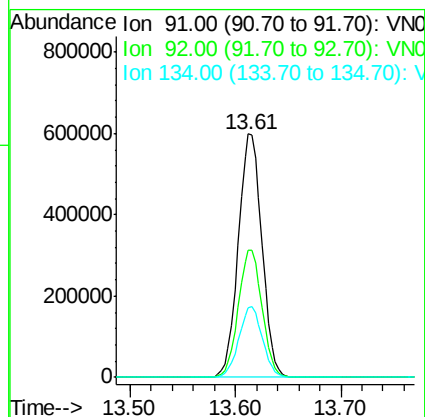
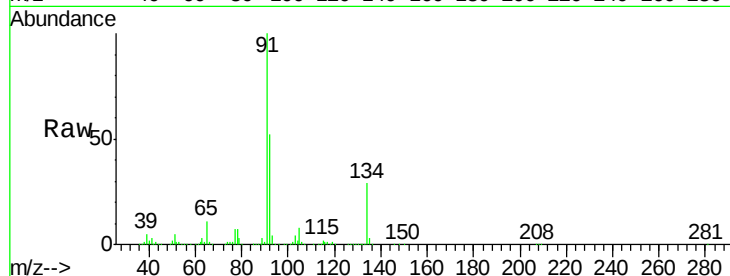
Tot Ion: 91 Resp: 925878

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.6

134 28.7 14.3 42.9



#90

Hexachloroethane

Concen: 17.374 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054229.D

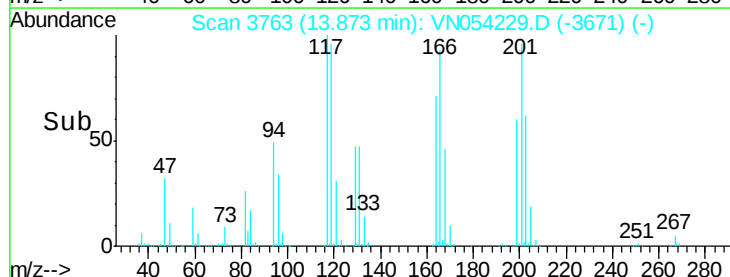
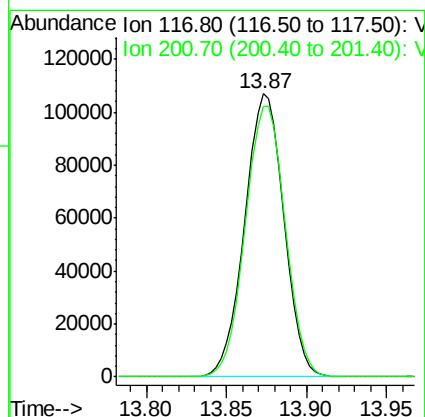
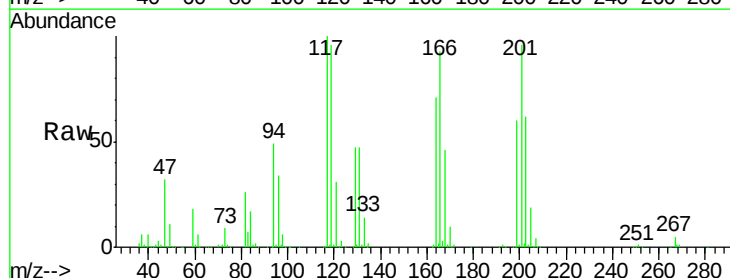
Acq: 13 Mar 2019 23:34

Tgt Ion: 117 Resp: 178642

Ion Ratio Lower Upper

117 100

201 97.6 48.1 144.4

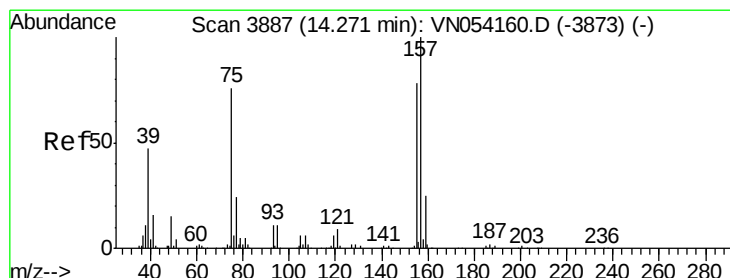
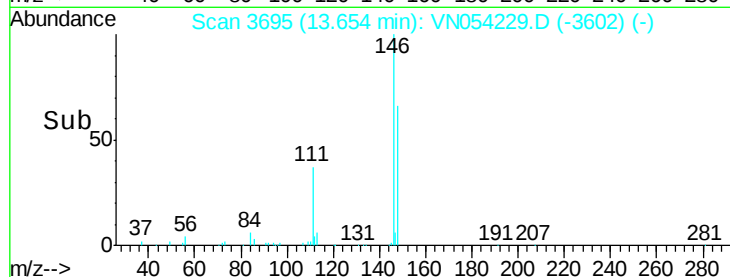
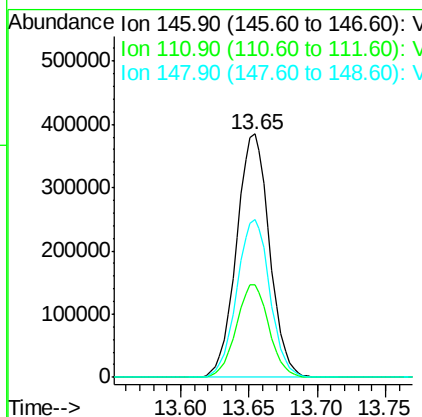
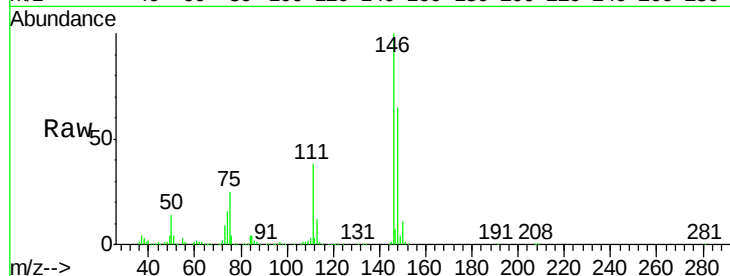




#91
 1,2-Dichlorobenzene
 Concen: 20.764 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

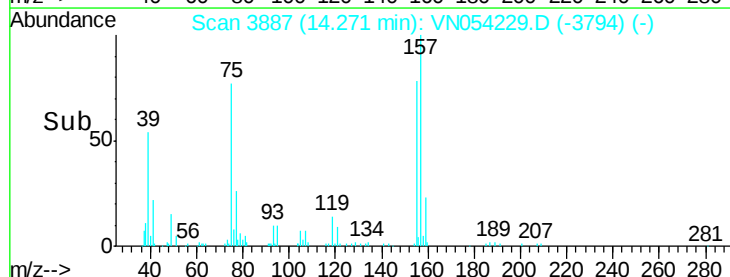
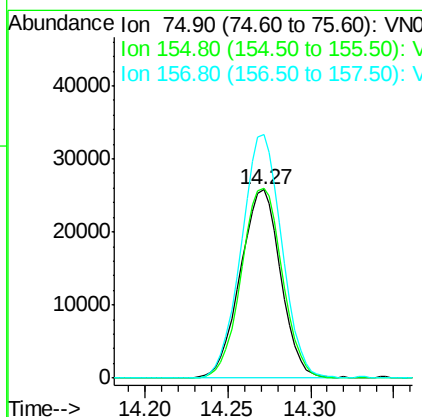
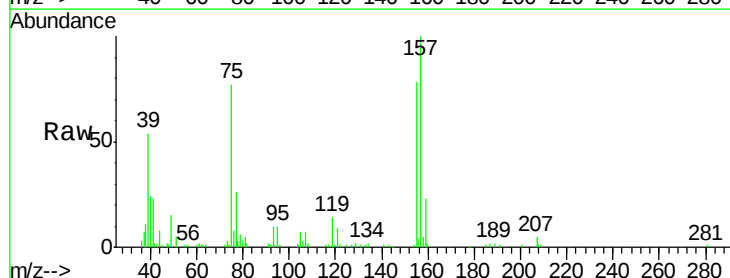
Instrument :
 MSVOA_N
 ClientSampled :

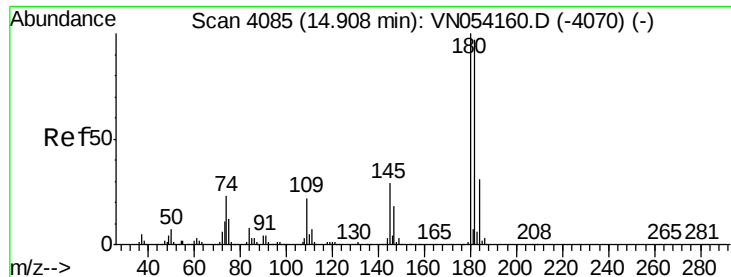
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	65.0	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.631 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	50.1	150.3
157	129.5	63.1	189.3

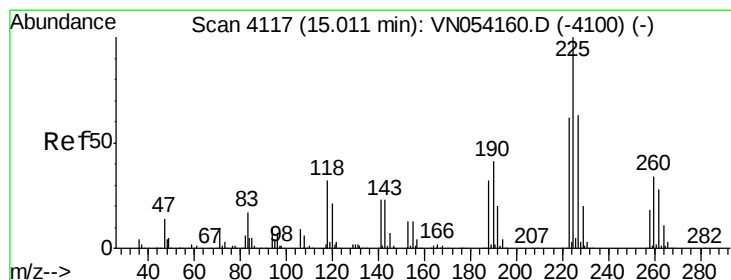
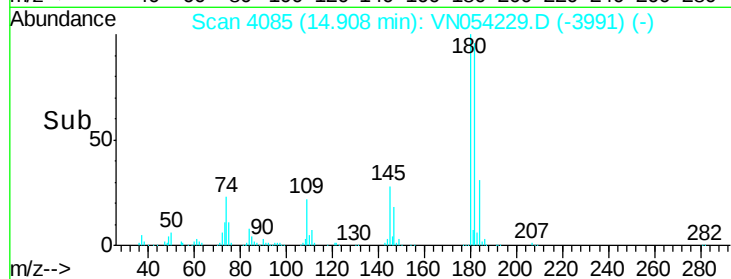
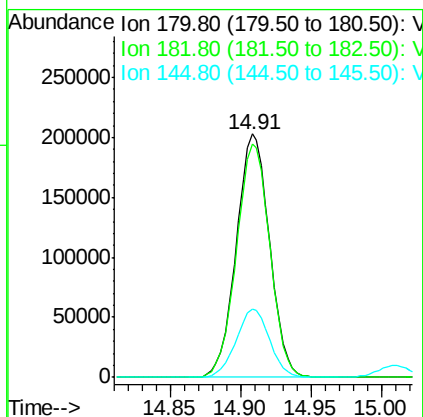
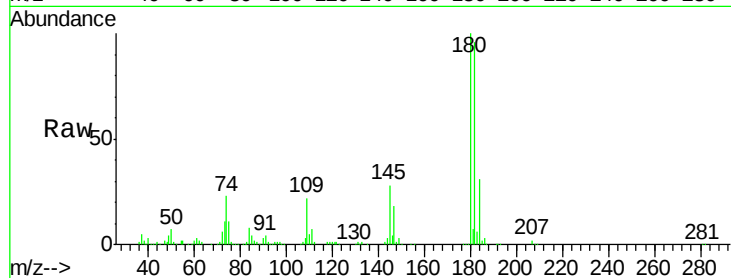




#93
 1,2,4-Trichlorobenzene
 Concen: 19.442 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

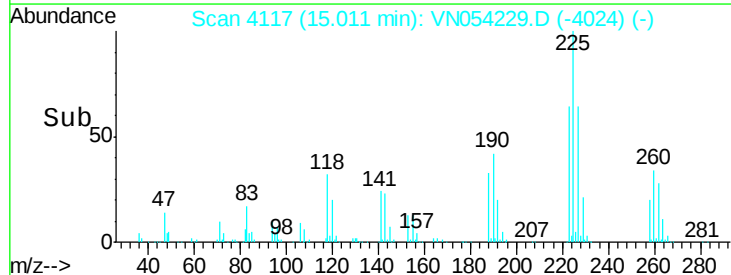
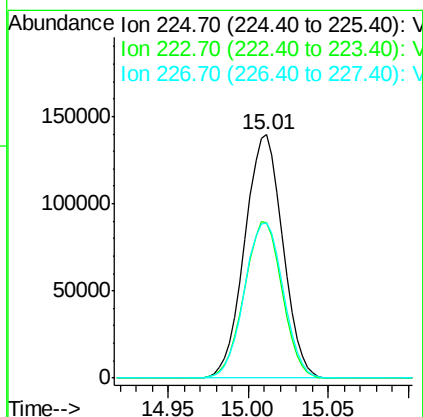
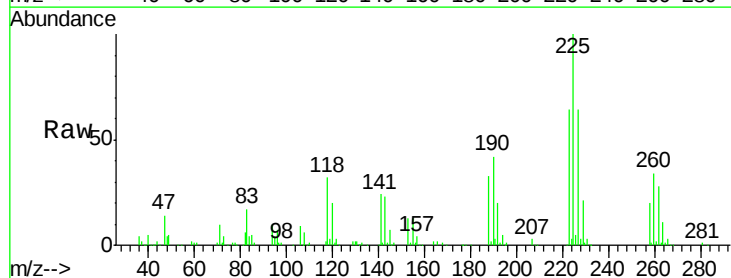
Instrument :
 MSVOA_N
 ClientSampled :

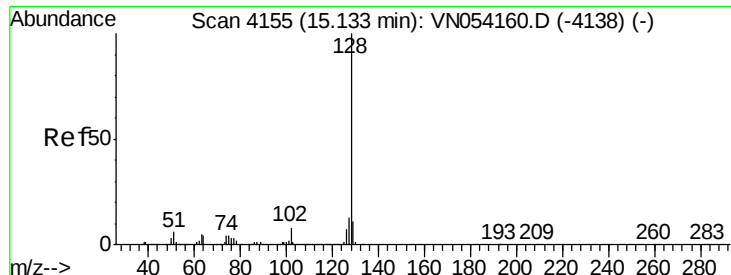
Tot Ion:180 Resp: 334343
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.0 144.2
 145 28.2 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.197 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054229.D
 Acq: 13 Mar 2019 23:34

Tgt Ion:225 Resp: 227210
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.5
 227 65.1 31.9 95.9





#95

Naphthalene

Concen: 19.395 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

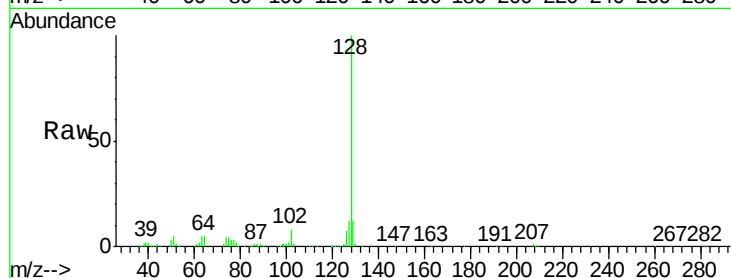
Tot Ion:128 Resp: 668774

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

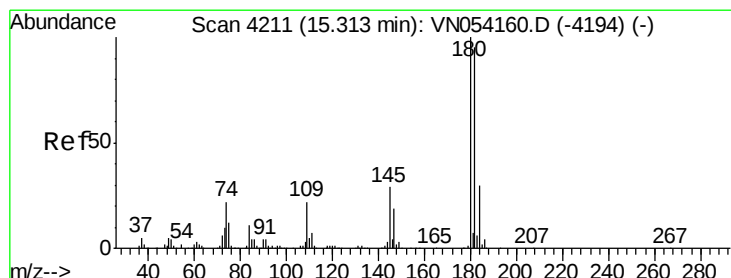
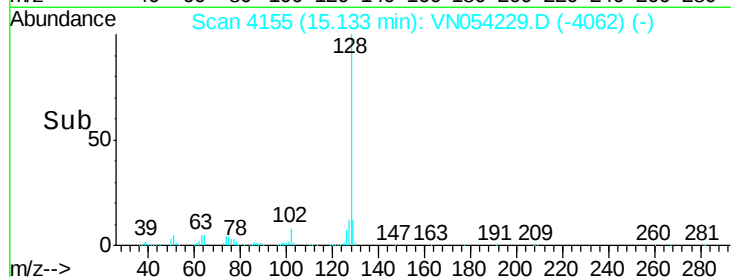
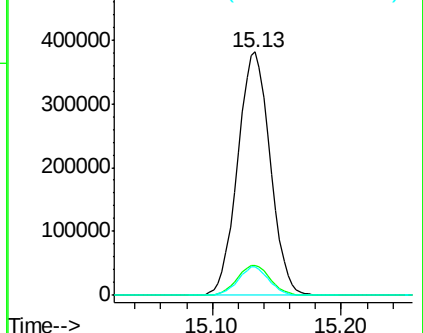
129 11.1 8.7 13.1



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: 20.943 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054229.D

Acq: 13 Mar 2019 23:34

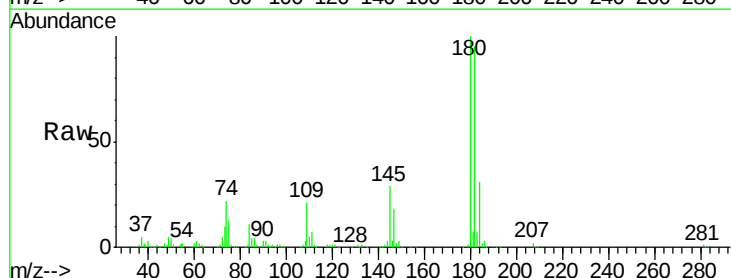
Tgt Ion:180 Resp: 345765

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 29.1 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

