

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054685.D
 Acq On : 26 Mar 2019 9:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 27 04:03:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	424254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	675420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	601084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	270918	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.59	113	217758	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.09	98	816857	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	287398	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	215858	53.223	ug/l	100
3) Chloromethane	2.06	50	283132	51.309	ug/l	100
4) Vinyl Chloride	2.19	62	264420	47.727	ug/l	100
5) Bromomethane	2.57	94	148578	41.474	ug/l	99
6) Chloroethane	2.71	64	147189	44.293	ug/l	98
7) Trichlorofluoromethane	3.02	101	337592	50.176	ug/l	100
8) Diethyl Ether	3.41	74	108070	41.764	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	182532	46.162	ug/l	94
10) Methyl Iodide	3.94	142	252117	43.344	ug/l #	88
11) Tert butyl alcohol	4.81	59	70204	219.742	ug/l	100
12) 1,1-Dichloroethene	3.73	96	170500	41.666	ug/l #	75
13) Acrolein	3.61	56	130580	296.173	ug/l	96
14) Allyl chloride	4.32	41	410586	53.284	ug/l #	91
15) Acrylonitrile	4.99	53	420119	264.060	ug/l	99
16) Acetone	3.82	43	446038	281.138	ug/l #	83
17) Carbon Disulfide	4.04	76	504603	46.022	ug/l	100
18) Methyl Acetate	4.33	43	187067	52.900	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	601029	50.327	ug/l	94
20) Methylene Chloride	4.54	84	232600	49.735	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	213754	51.156	ug/l #	81
22) Diisopropyl ether	5.96	45	848972	55.856	ug/l #	93
23) Vinyl Acetate	5.90	43	2989834	278.519	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	443348	54.174	ug/l	98
25) 2-Butanone	6.84	43	591848	291.212	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	322046	55.204	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	249862	50.133	ug/l	85
28) Bromochloromethane	7.19	49	225789	56.052	ug/l #	72
29) Tetrahydrofuran	7.22	42	347214	263.266	ug/l #	84
30) Chloroform	7.37	83	430479	53.900	ug/l	98
31) Cyclohexane	7.65	56	416671	53.256	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	358728	54.443	ug/l	95
36) 1,1-Dichloropropene	7.79	75	323054	51.155	ug/l	96
37) Ethyl Acetate	6.93	43	235949	52.531	ug/l	95
38) Carbon Tetrachloride	7.77	117	315725	51.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	369449	51.142	ug/l	90
40) Benzene	8.04	78	939062	52.000	ug/l	99
41) Methacrylonitrile	7.17	41	142875	52.159	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	343685	52.259	ug/l	97
43) Isopropyl Acetate	8.17	43	406774	53.624	ug/l #	93
44) Trichloroethene	8.83	130	246369	49.071	ug/l	91
45) 1,2-Dichloropropane	9.12	63	270112	55.703	ug/l	100
46) Dibromomethane	9.21	93	154105	53.270	ug/l	87
47) Bromodichloromethane	9.40	83	327278	54.512	ug/l	99
48) Methyl methacrylate	9.20	41	209525	50.890	ug/l #	87
49) 1,4-Dioxane	9.20	88	43720	949.851	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1138280	270.760	ug/l	92
52) Toluene	10.15	92	569657	51.288	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	316507	49.976	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	380379	55.256	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	204919	51.325	ug/l	95
56) Ethyl methacrylate	10.43	69	273526	51.042	ug/l #	81
57) 1,3-Dichloropropane	10.71	76	367106	52.895	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	522011	236.564	ug/l	89
59) 2-Hexanone	10.75	43	754274	274.679	ug/l	92
60) Dibromochloromethane	10.90	129	231355	54.456	ug/l	99
61) 1,2-Dibromoethane	11.00	107	204117	51.713	ug/l	99
64) Tetrachloroethene	10.63	164	243256	48.790	ug/l	96
65) Chlorobenzene	11.43	112	612242	50.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232744	53.040	ug/l	98
67) Ethyl Benzene	11.51	91	1103585	51.103	ug/l	98
68) m/p-Xylenes	11.62	106	833666	101.918	ug/l	95
69) o-Xylene	11.95	106	403327	50.490	ug/l	97
70) Styrene	11.96	104	676465	52.146	ug/l	97
71) Bromoform	12.13	173	139797	46.379	ug/l #	100
73) Isopropylbenzene	12.25	105	1073576	48.492	ug/l	98
74) N-amyl acetate	12.07	43	341662	53.672	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	251884	49.840	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	308334	70.724	ug/l #	100
77) Bromobenzene	12.53	156	261705	47.662	ug/l	86
78) n-propylbenzene	12.59	91	1230164	51.242	ug/l	96
79) 2-Chlorotoluene	12.67	91	733475	48.995	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	906619	49.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	57641	45.859	ug/l #	80
82) 4-Chlorotoluene	12.77	91	741889	51.126	ug/l	96
83) tert-Butylbenzene	12.99	119	768172	48.636	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	894274	50.228	ug/l	98
85) sec-Butylbenzene	13.17	105	987357	50.148	ug/l	97
86) p-Isopropyltoluene	13.29	119	889848	50.517	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	468353	51.472	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	448310	50.639	ug/l	98
89) n-Butylbenzene	13.61	91	758973	55.104	ug/l	98
90) Hexachloroethane	13.87	117	148612	54.353	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	446749	50.690	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37751	50.927	ug/l	85

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

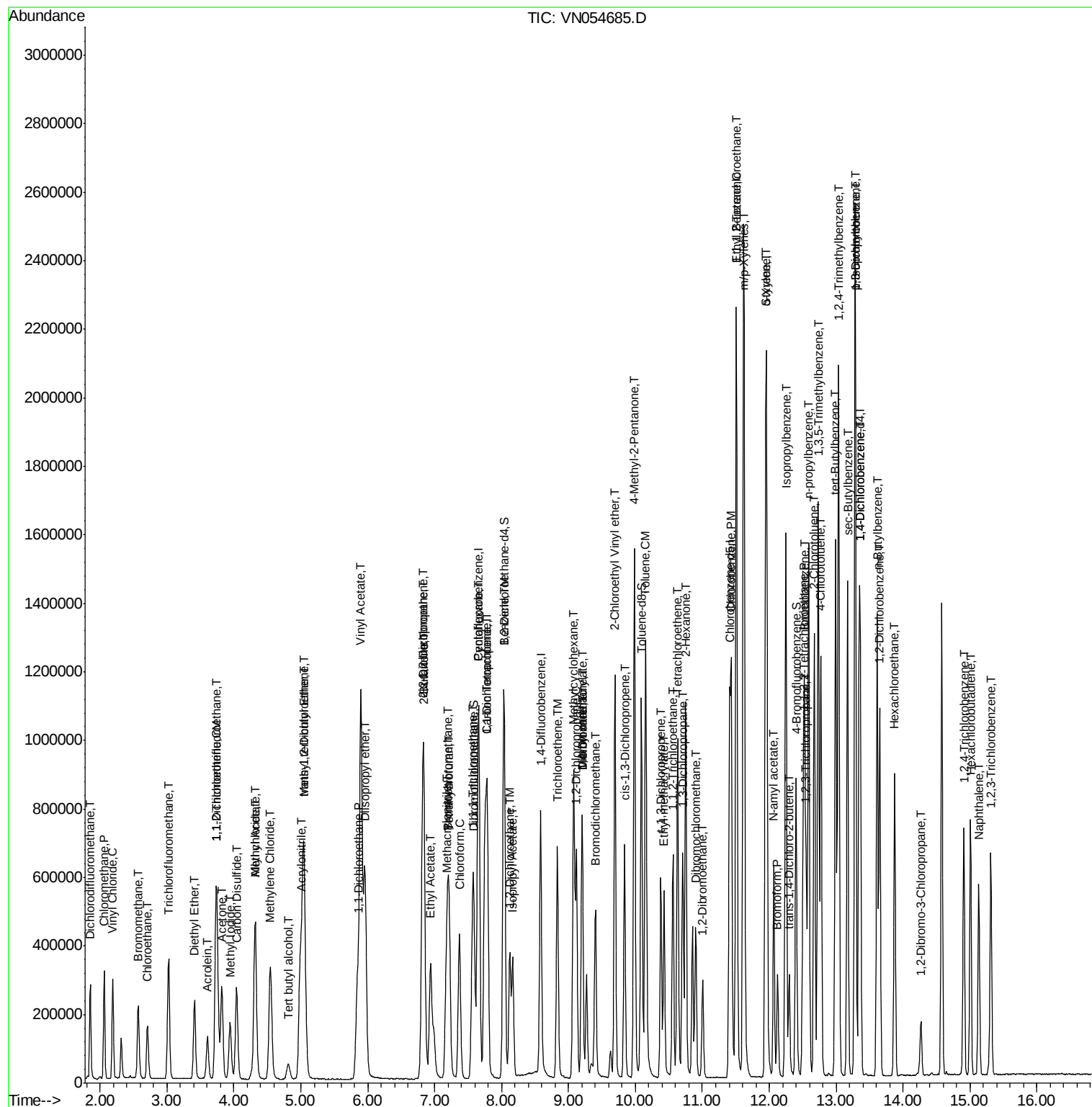
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234018	53.264	ug/l	99
94) Hexachlorobutadiene	15.01	225	148179	60.552	ug/l	100
95) Naphthalene	15.13	128	479001	48.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	221725	50.706	ug/l	98

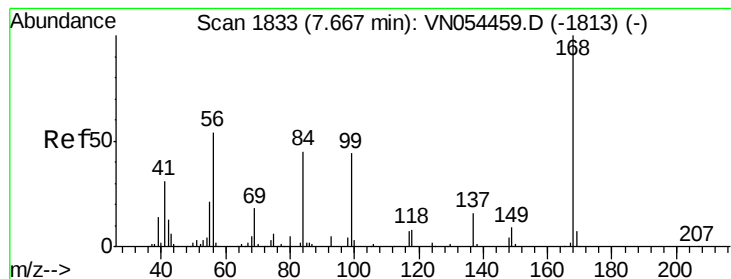
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

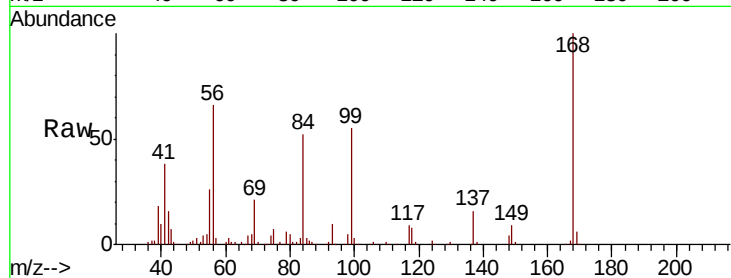
ClientSampled :

Tot Ion:168 Resp: 424254

Ion Ratio Lower Upper

168 100

99 54.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

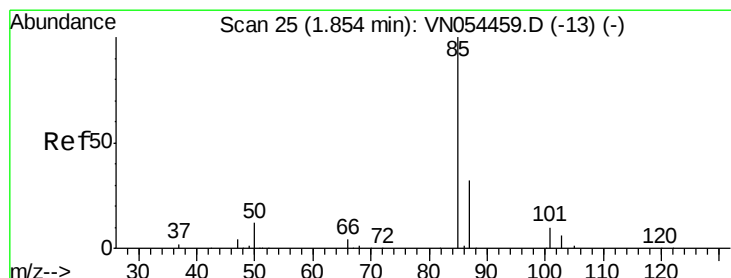
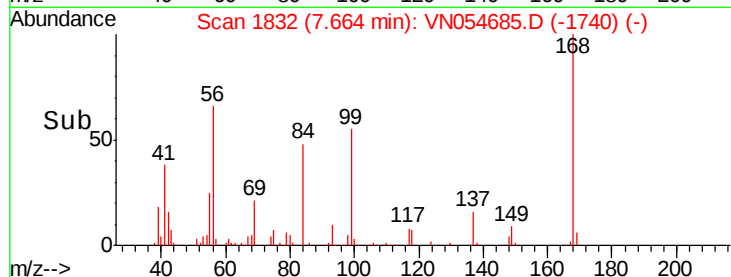
50000

0

7.66

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.223 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054685.D

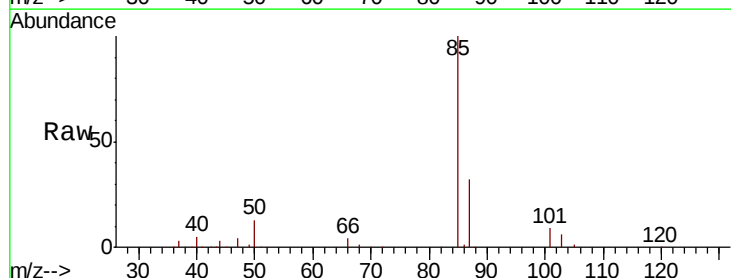
Acq: 26 Mar 2019 9:10

Tgt Ion: 85 Resp: 215858

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

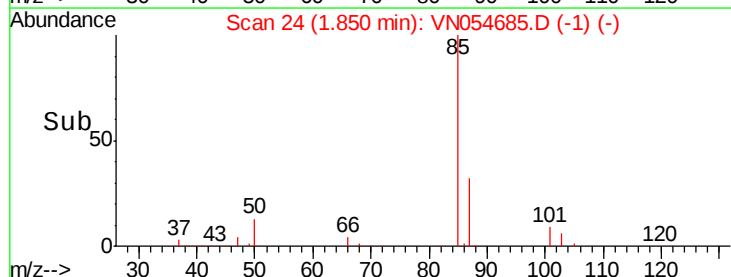
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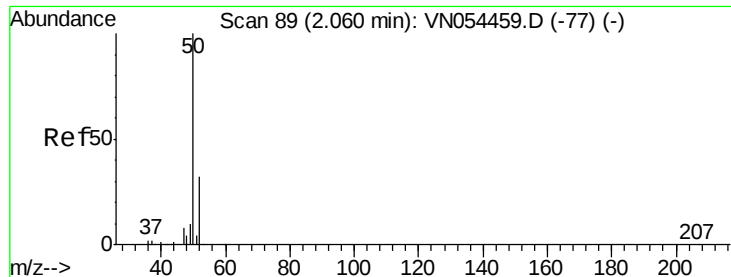
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 51.309 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

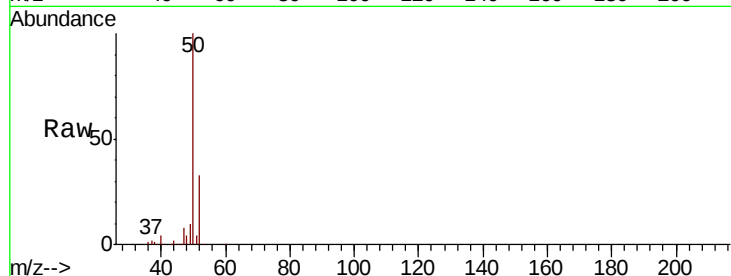
ClientSampled :

Tot Ion: 50 Resp: 283132

Ion Ratio Lower Upper

50 100

52 32.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

200000

150000

100000

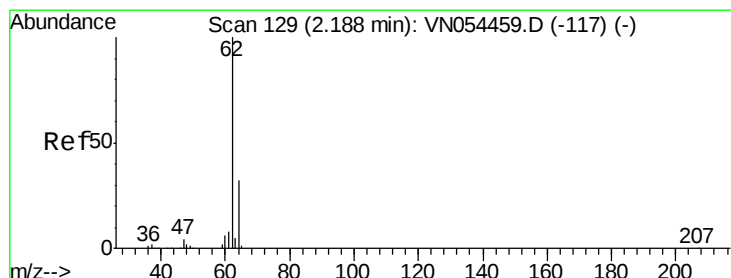
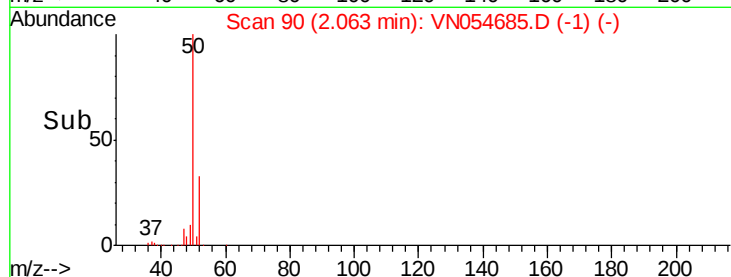
50000

0

Time-->

2.00 2.05 2.10 2.15

2.06



#4

Vinyl Chloride

Concen: 47.727 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054685.D

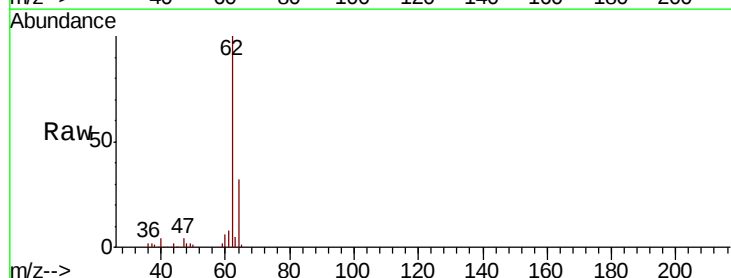
Acq: 26 Mar 2019 9:10

Tgt Ion: 62 Resp: 264420

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

200000

150000

100000

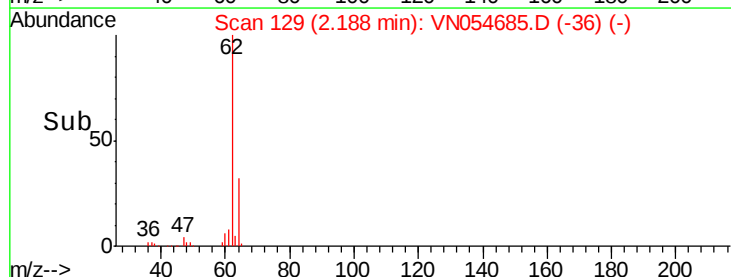
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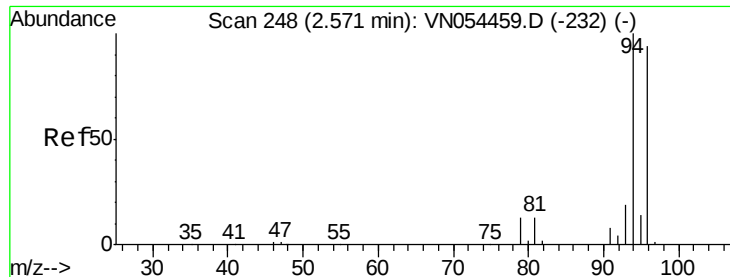
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Time-->

2.10 2.15 2.20 2.25 2.30

2.19





#5

Bromomethane

Concen: 41.474 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

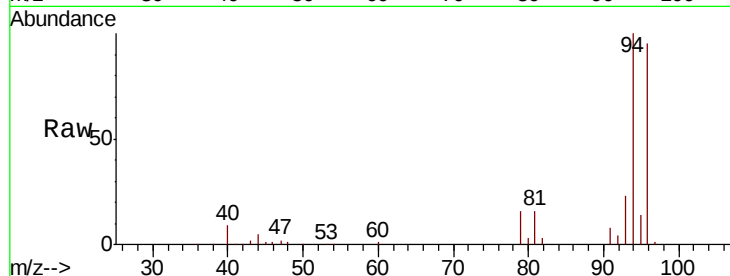
ClientSampleId :

Tot Ion: 94 Resp: 148578

Ion Ratio Lower Upper

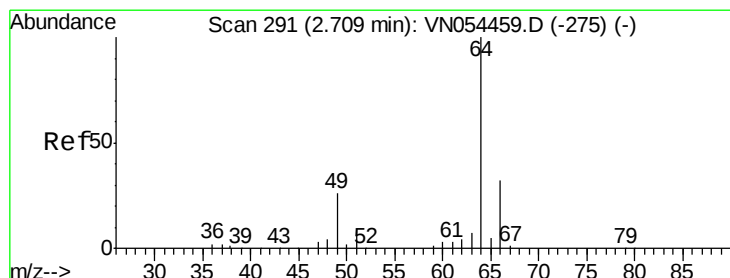
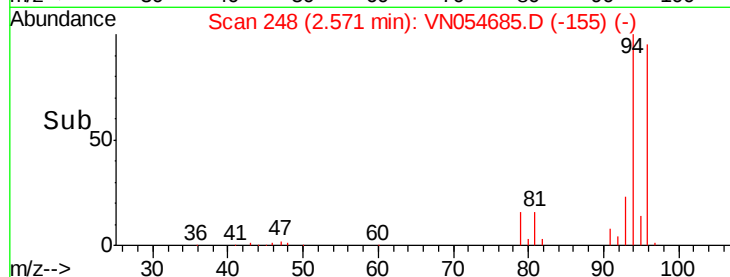
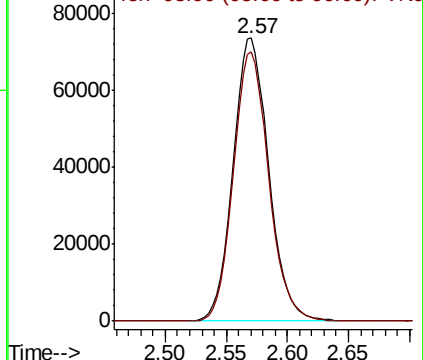
94 100

96 95.3 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: 44.293 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054685.D

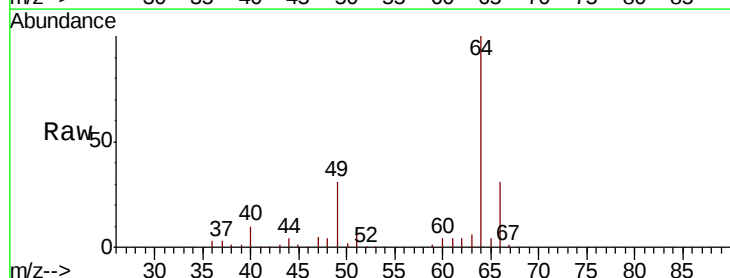
Acq: 26 Mar 2019 9:10

Tgt Ion: 64 Resp: 147189

Ion Ratio Lower Upper

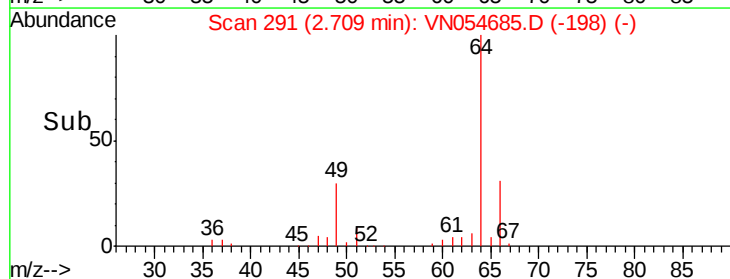
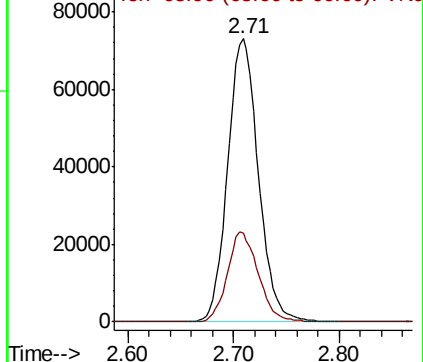
64 100

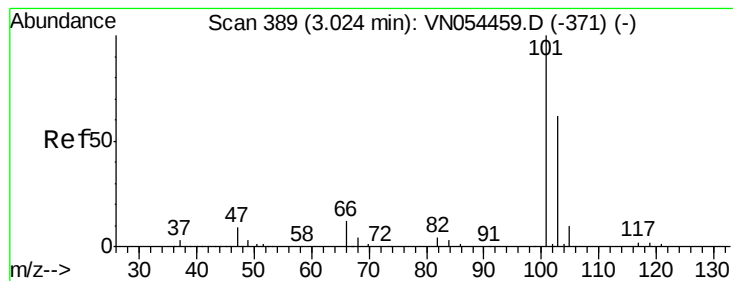
66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



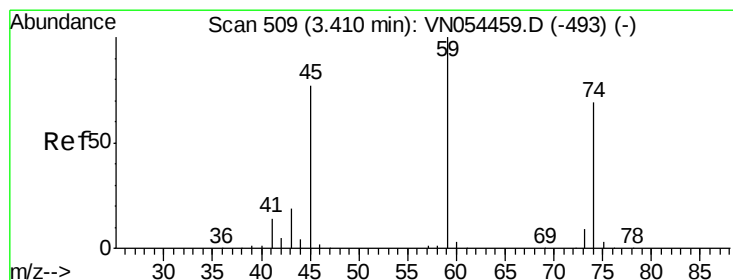
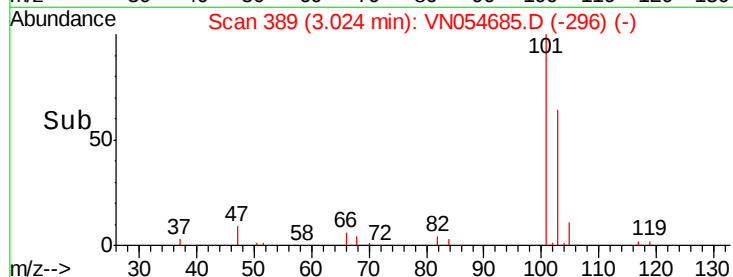
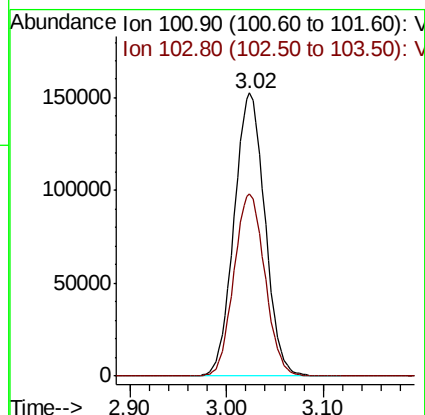
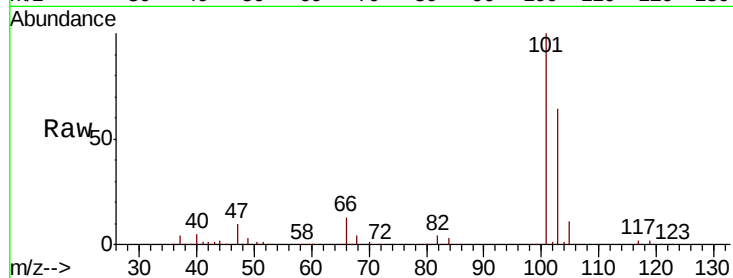


#7

Trichlorofluoromethane
 Concen: 50.176 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Instrument :
 MSVOA_N
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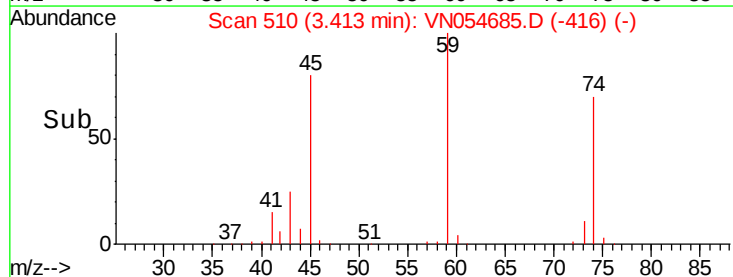
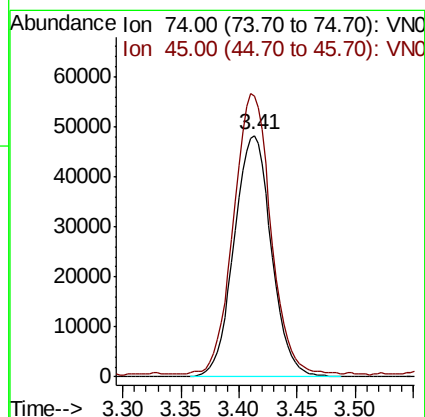
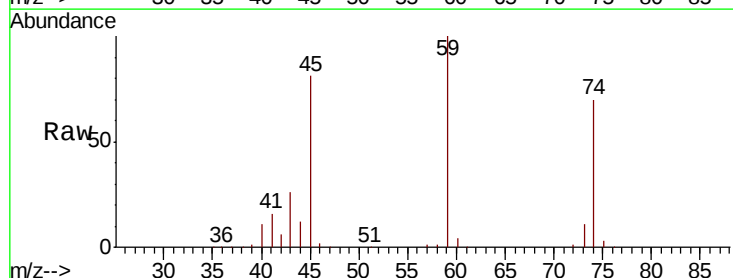
Tot Ion:101 Resp: 337592
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.2

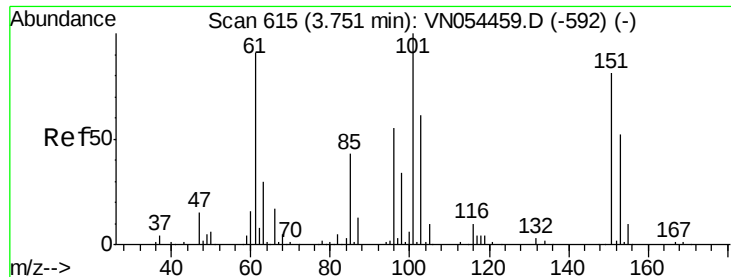


#8

Diethyl Ether
 Concen: 41.764 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion: 74 Resp: 108070
 Ion Ratio Lower Upper
 74 100
 45 116.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.162 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

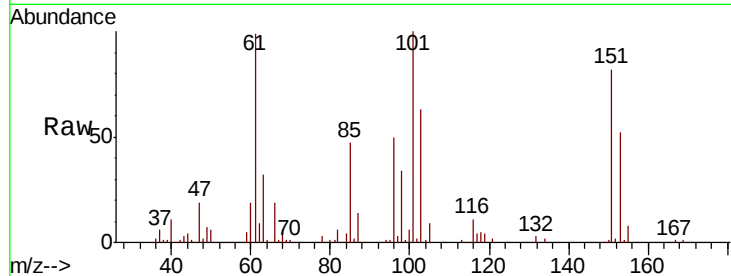
Tot Ion:101 Resp: 182532

Ion Ratio Lower Upper

101 100

85 45.7 32.4 48.6

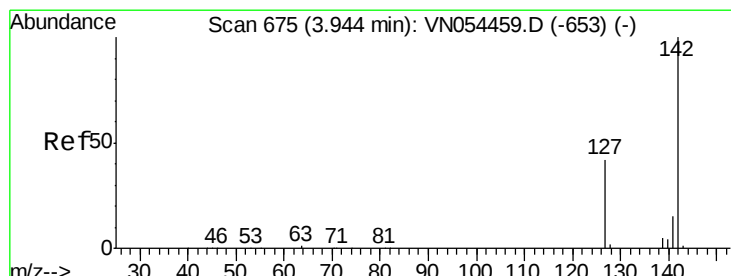
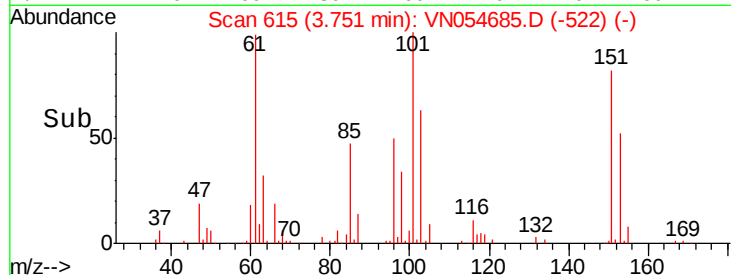
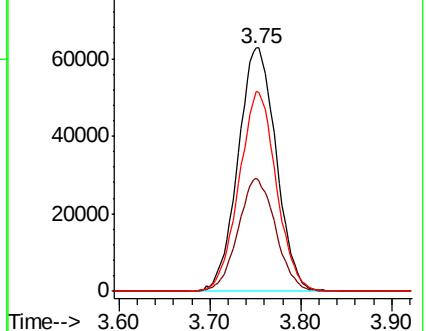
151 80.3 68.2 102.2



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: 43.344 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

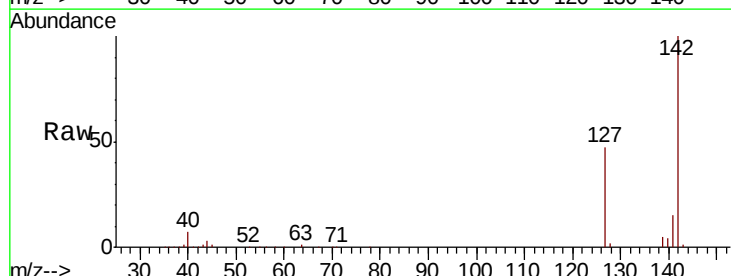
Tgt Ion:142 Resp: 252117

Ion Ratio Lower Upper

142 100

127 47.4 30.3 45.5#

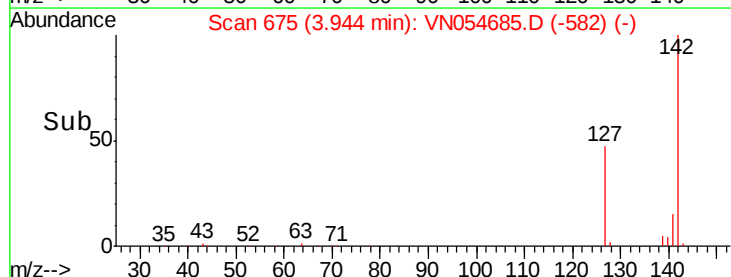
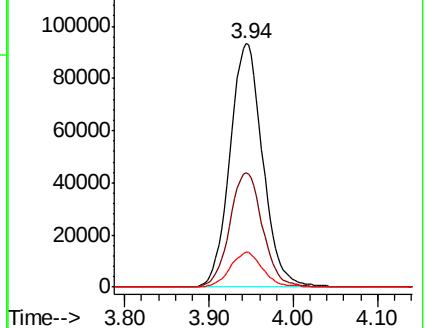
141 14.5 11.2 16.8

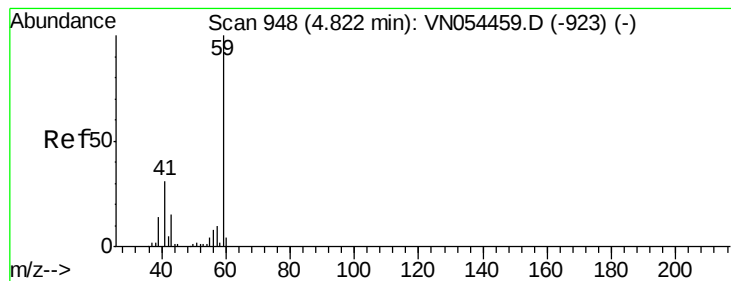


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



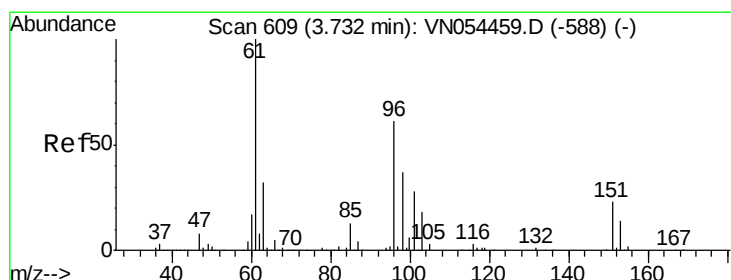
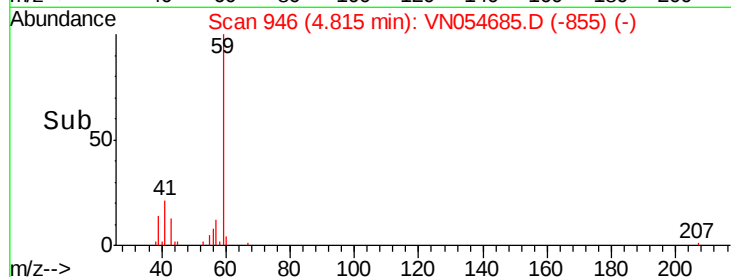
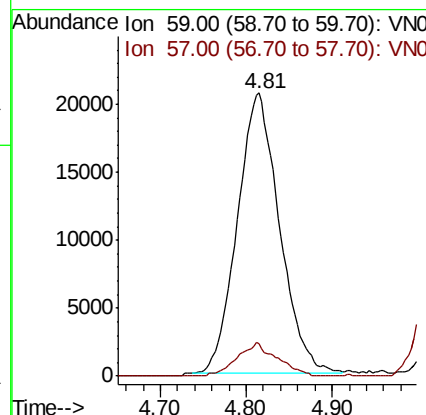
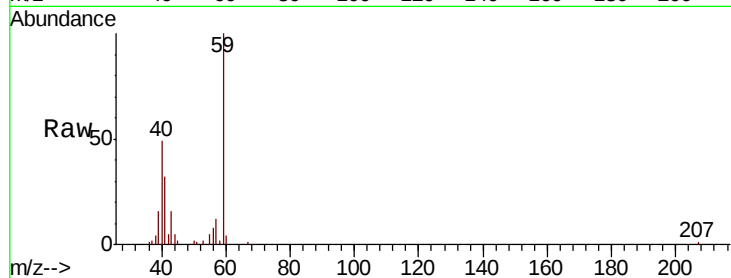


#11

Tert butyl alcohol
Concen: 219.742 ug/l
RT: 4.81 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :

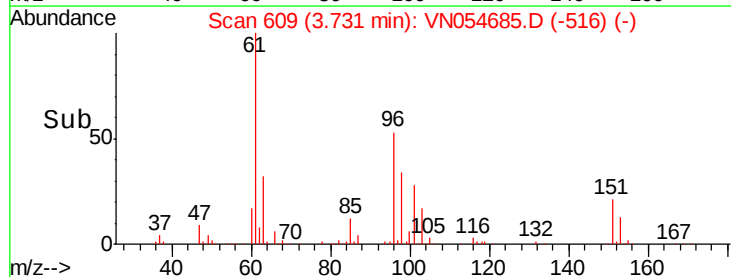
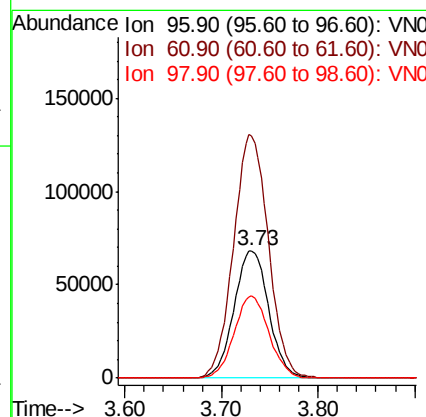
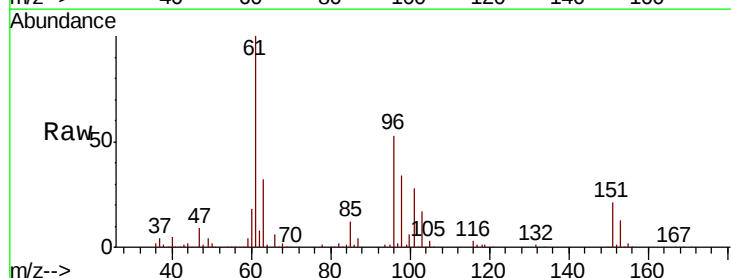
Tot Ion: 59 Resp: 70204
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.6

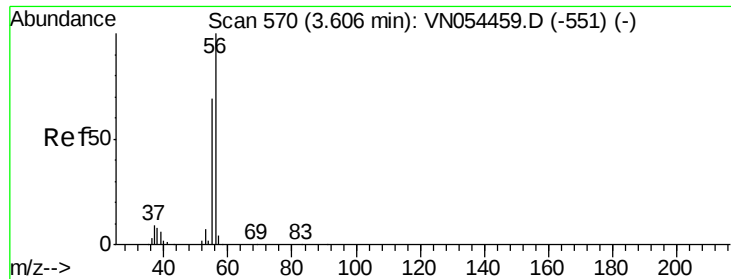


#12

1,1-Dichloroethene
Concen: 41.666 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 96 Resp: 170500
Ion Ratio Lower Upper
96 100
61 189.9 116.5 174.7#
98 64.4 51.0 76.4

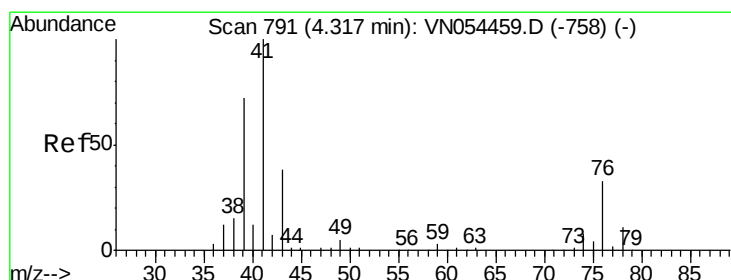
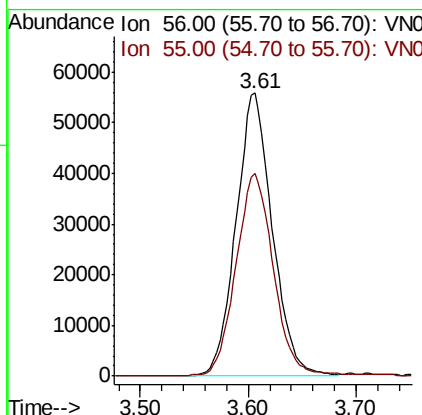
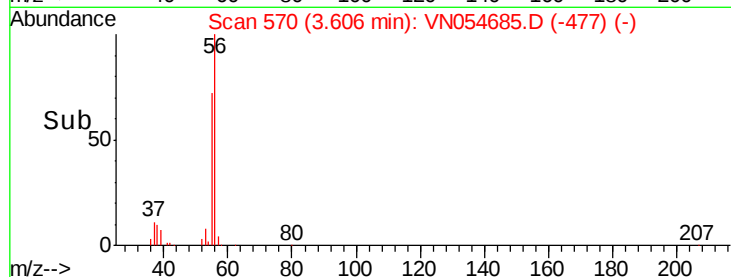
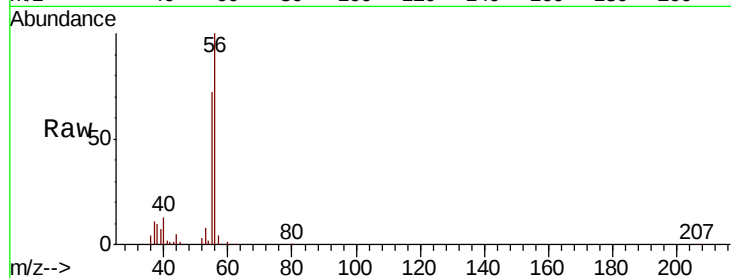




#13
Acrolein
Concen: 296.173 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

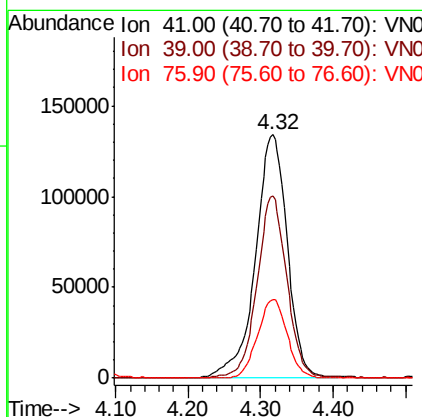
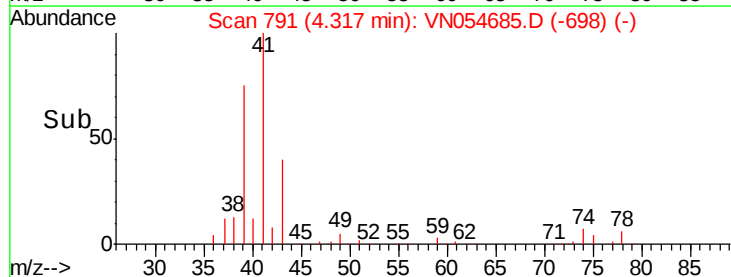
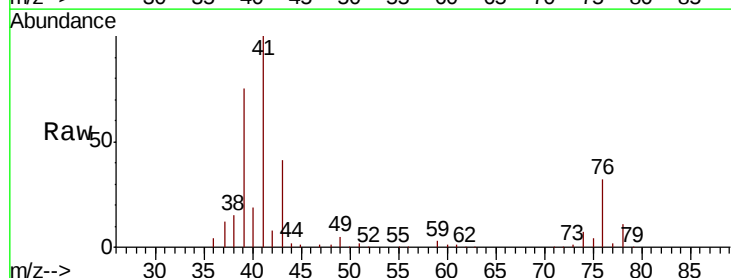
Instrument :
MSVOA_N
ClientSampleId :

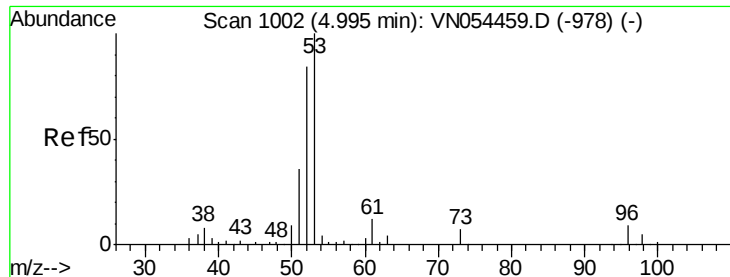
Tot Ion: 56 Resp: 130580
Ion Ratio Lower Upper
56 100
55 74.3 56.7 85.1



#14
Allyl chloride
Concen: 53.284 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 41 Resp: 410586
Ion Ratio Lower Upper
41 100
39 69.2 58.2 87.4
76 29.6 31.7 47.5#

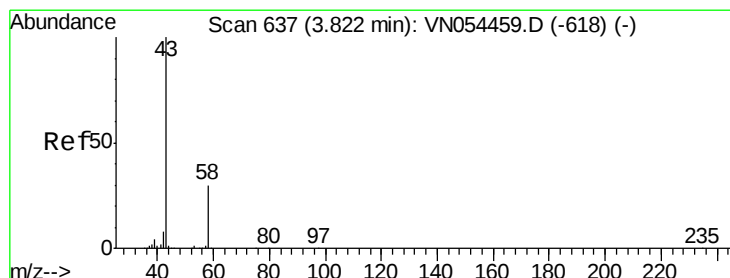
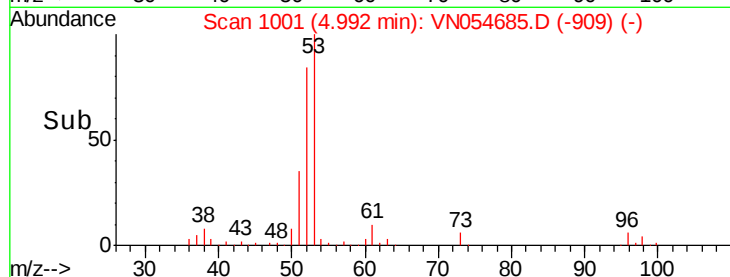
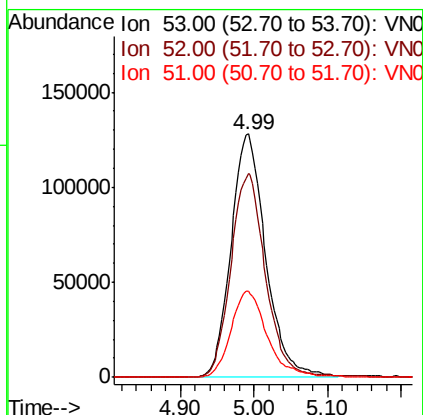
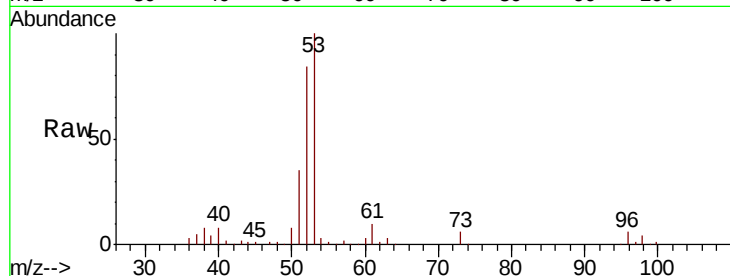




#15
 Acrylonitrile
 Concen: 264.060 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

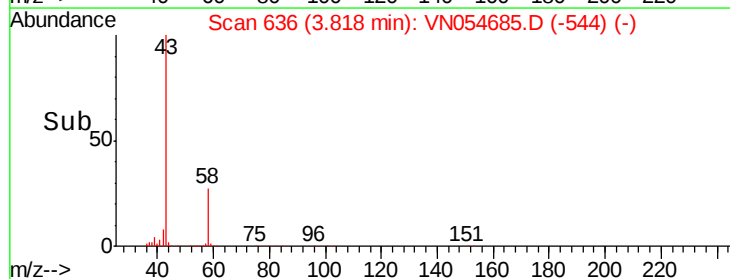
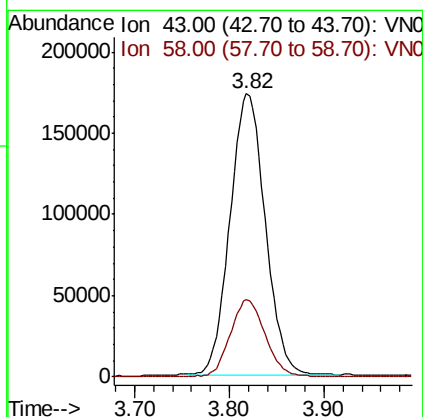
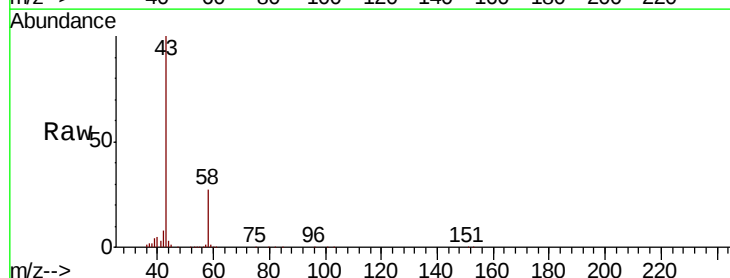
Instrument :
 MSVOA_N
 ClientSampleId :

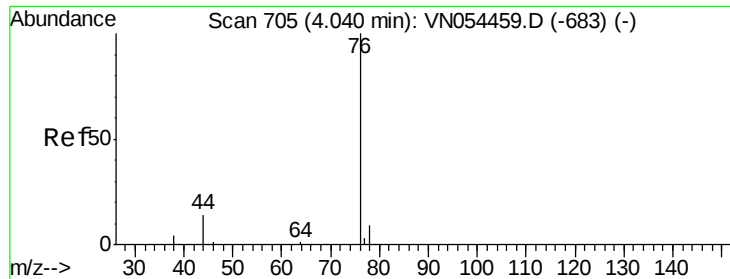
Tot Ion: 53 Resp: 420119
 Ion Ratio Lower Upper
 53 100
 52 83.8 66.4 99.6
 51 37.0 29.6 44.4



#16
 Acetone
 Concen: 281.138 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion: 43 Resp: 446038
 Ion Ratio Lower Upper
 43 100
 58 27.4 29.9 44.9#

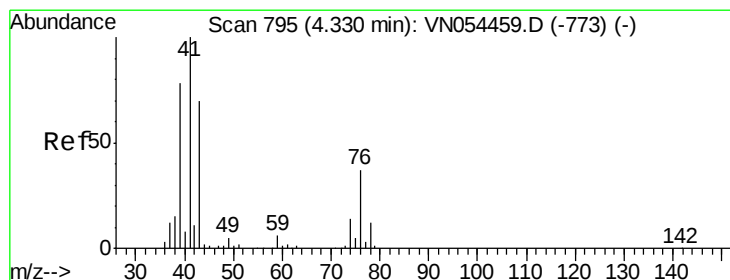
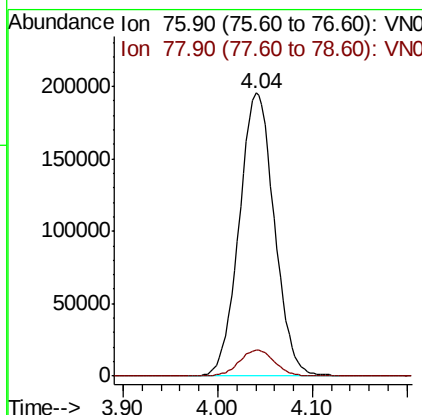
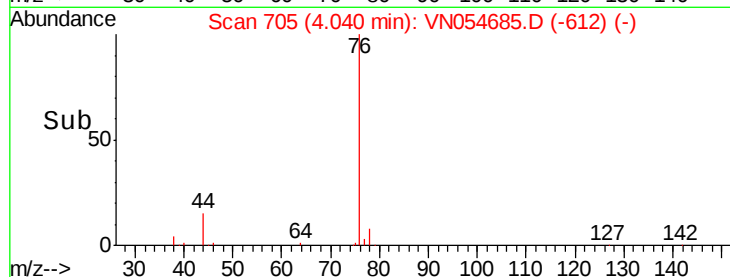
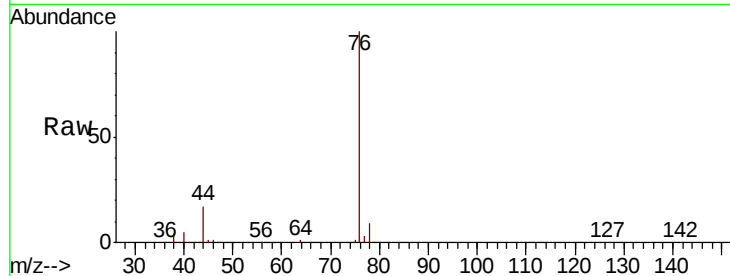




#17
Carbon Disulfide
Concen: 46.022 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

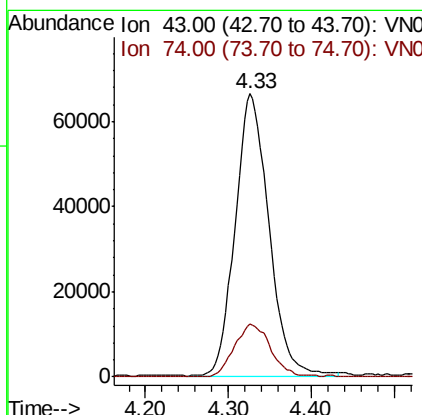
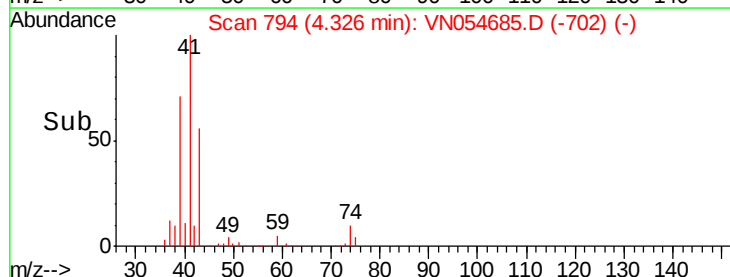
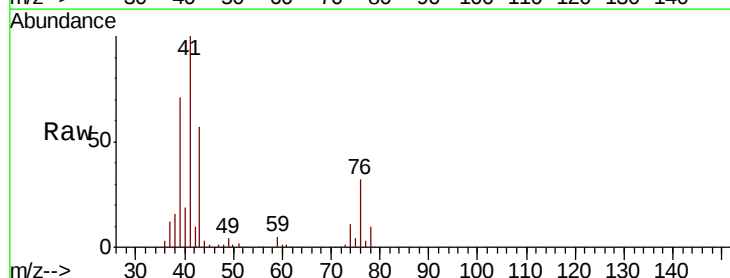
Instrument :
MSVOA_N
ClientSampled :

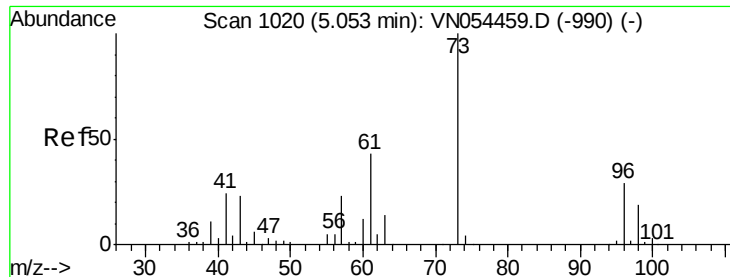
Tot Ion: 76 Resp: 504603
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 52.900 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 43 Resp: 187067
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#

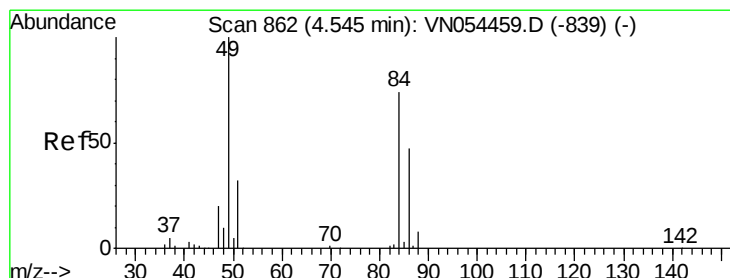
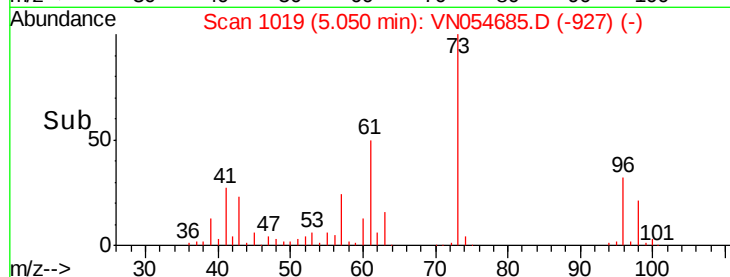
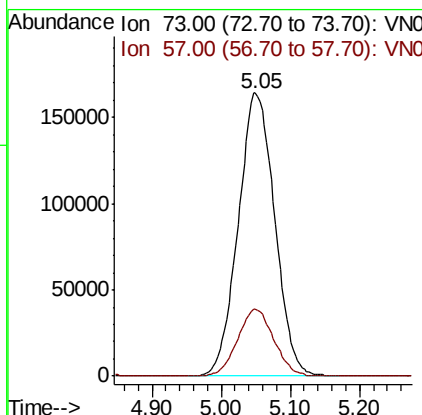
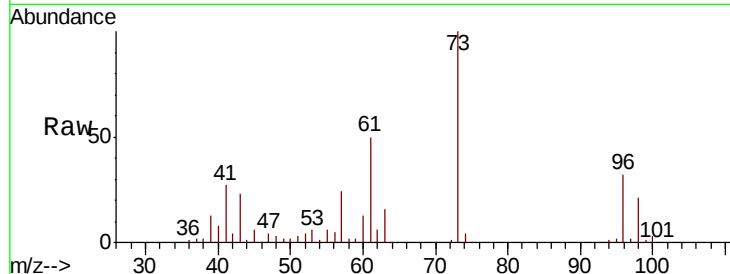




#19
Methvl tert-butvl Ether
Concen: 50.327 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

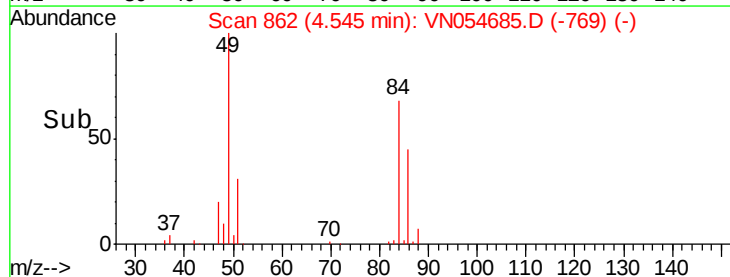
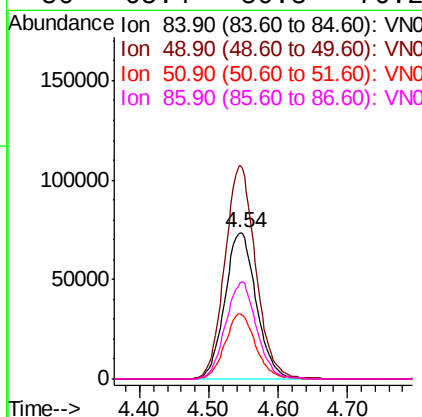
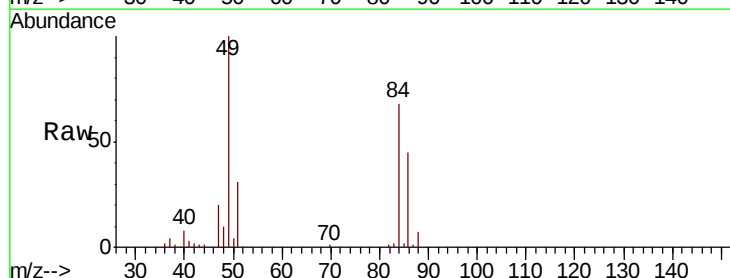
Instrument :
MSVOA_N
ClientSampled :

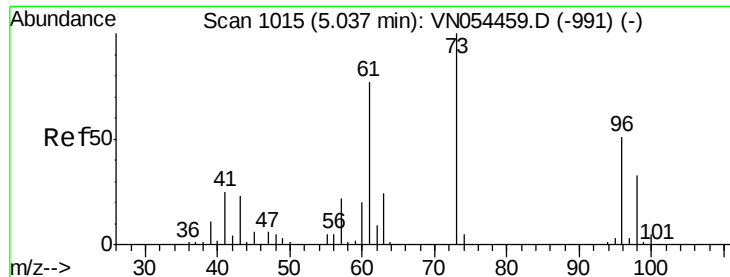
Tot Ion: 73 Resp: 601029
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2



#20
Methylene Chloride
Concen: 49.735 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 84 Resp: 232600
Ion Ratio Lower Upper
84 100
49 146.0 89.7 134.5#
51 44.9 28.2 42.4#
86 65.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.156 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :

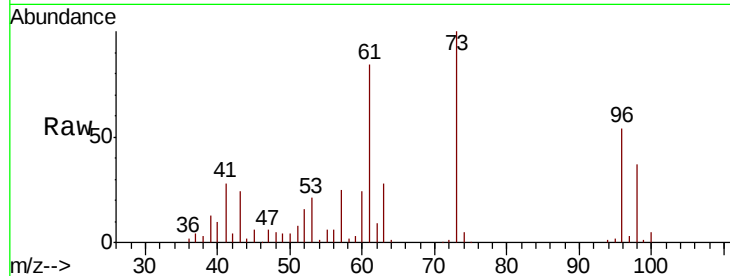
Tot Ion: 96 Resp: 213754

Ion Ratio Lower Upper

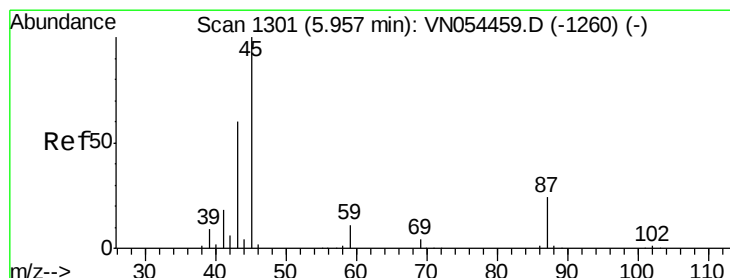
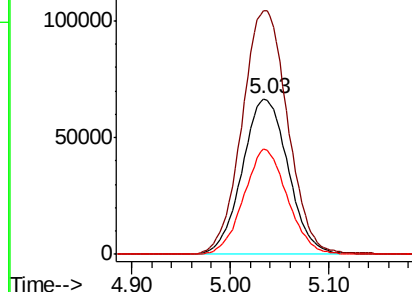
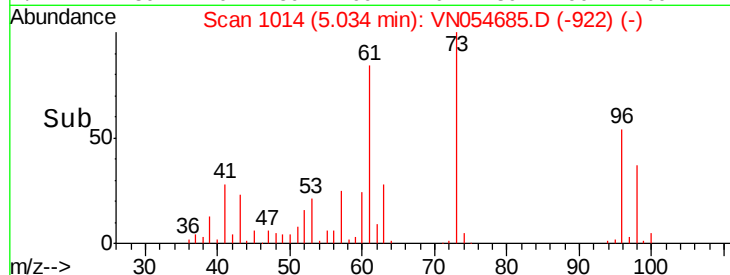
96 100

61 156.3 102.8 154.2#

98 68.1 50.0 75.0



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



#22

Diisopropyl ether

Concen: 55.856 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion: 45 Resp: 848972

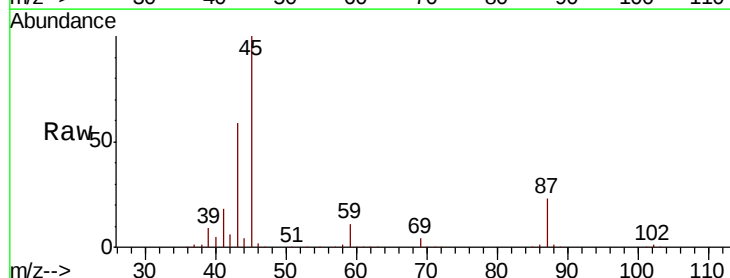
Ion Ratio Lower Upper

45 100

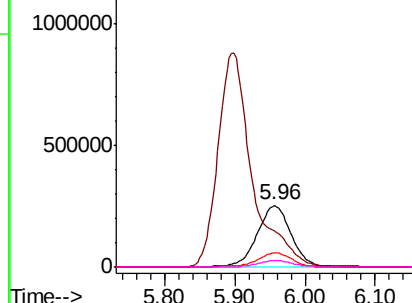
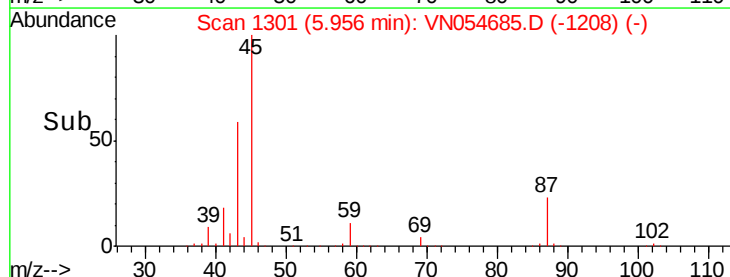
43 57.5 48.2 72.2

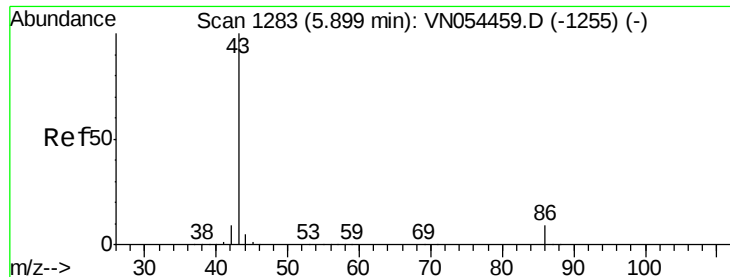
87 23.1 24.9 37.3#

59 10.6 9.5 14.3



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





#23

Vinyl Acetate

Concen: 278.519 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

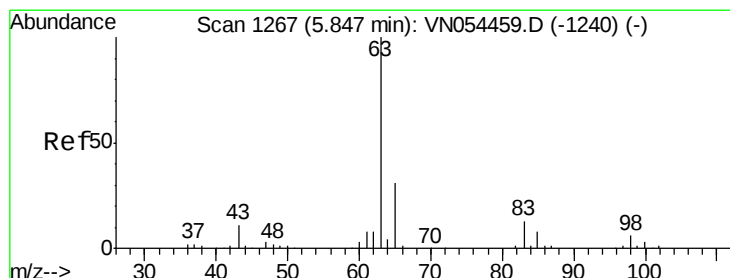
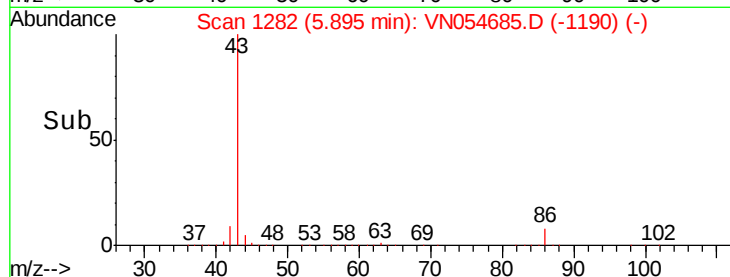
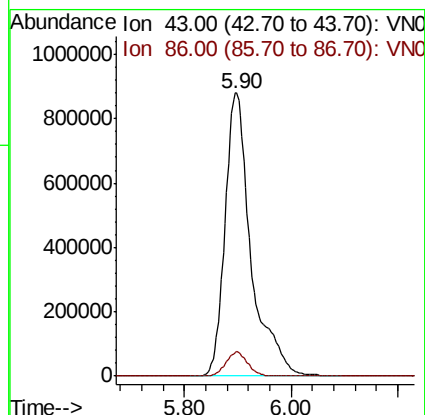
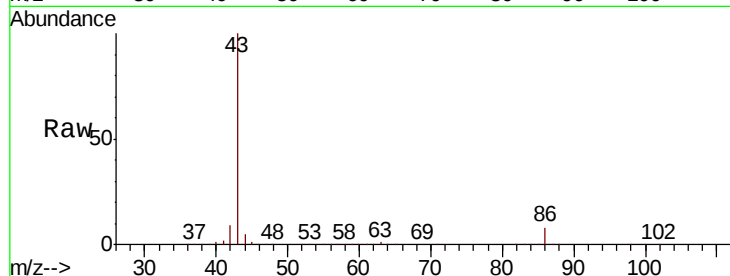
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2989834

Ion Ratio Lower Upper

43 100

86 8.3 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 54.174 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

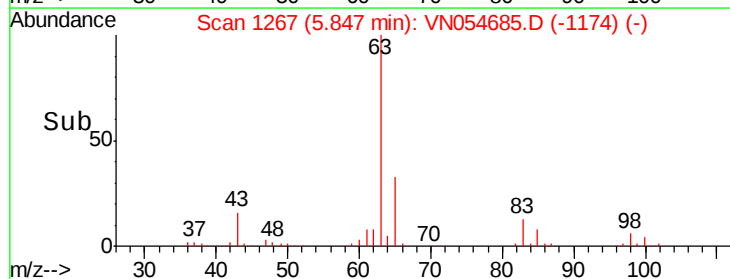
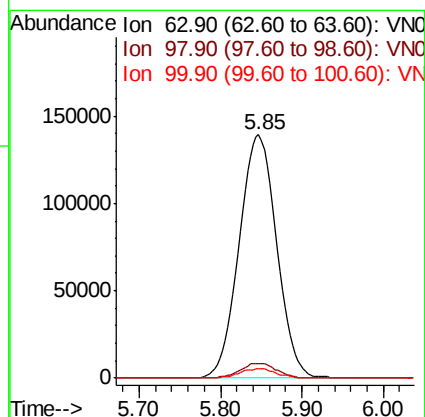
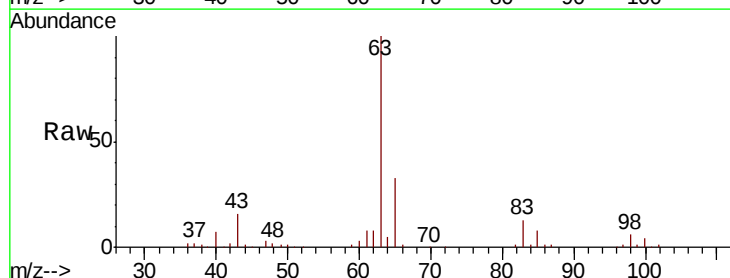
Tgt Ion: 63 Resp: 443348

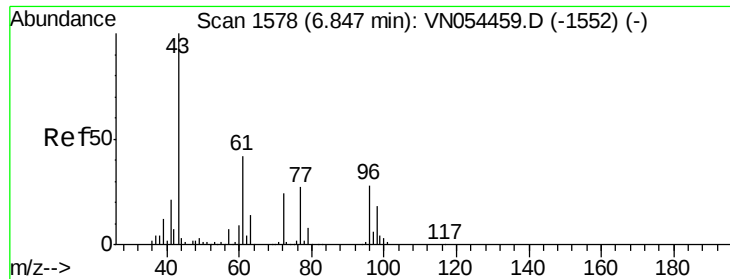
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 291.212 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

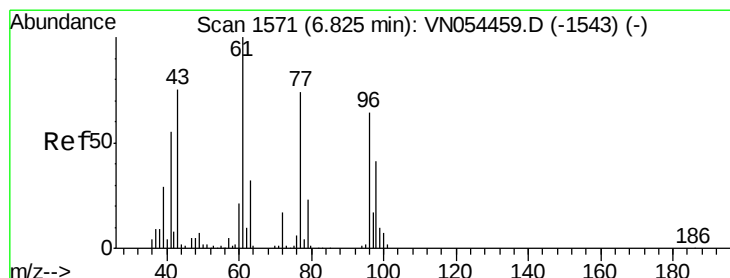
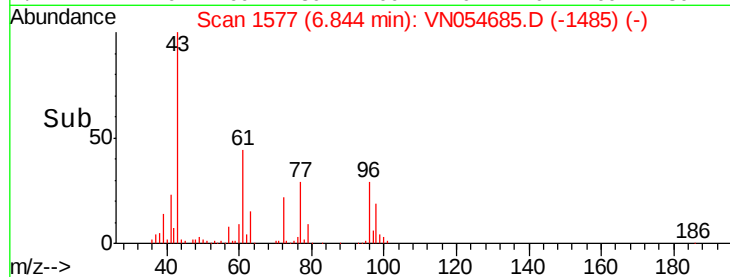
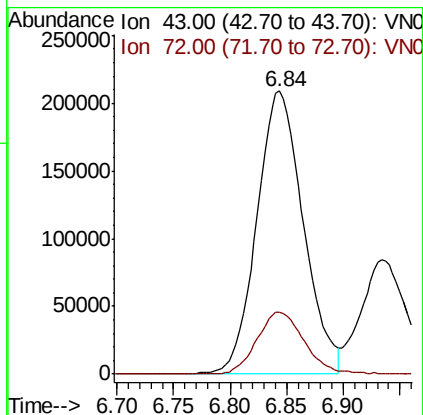
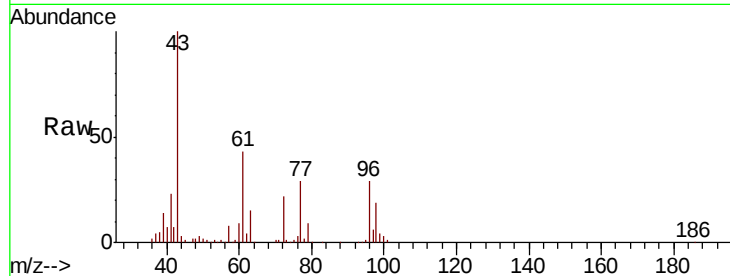
ClientSampleId :

Tot Ion: 43 Resp: 591848

Ion Ratio Lower Upper

43 100

72 22.0 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 55.204 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054685.D

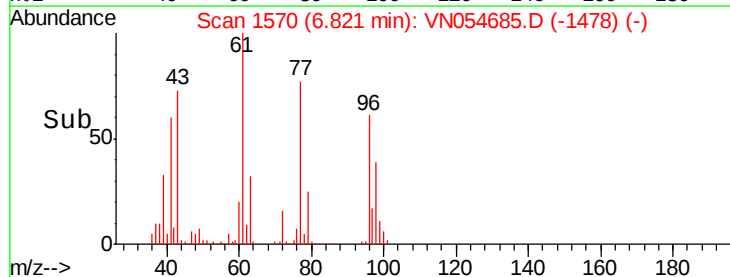
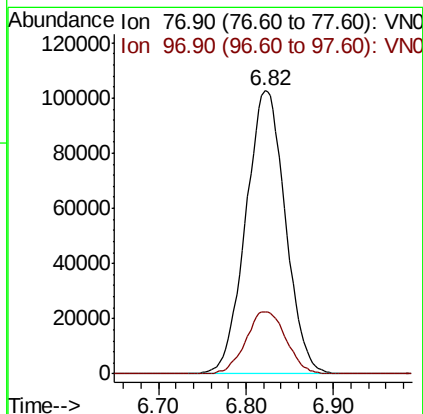
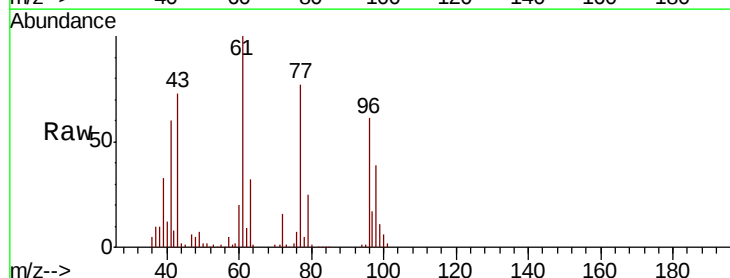
Acq: 26 Mar 2019 9:10

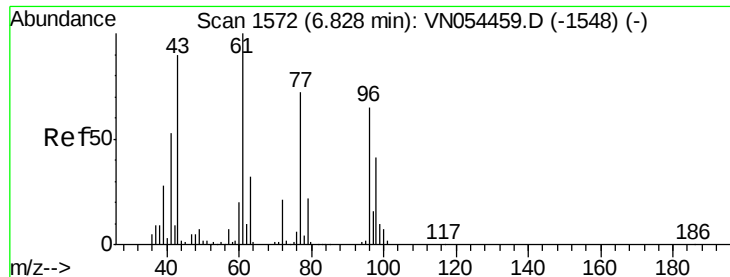
Tgt Ion: 77 Resp: 322046

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.133 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :

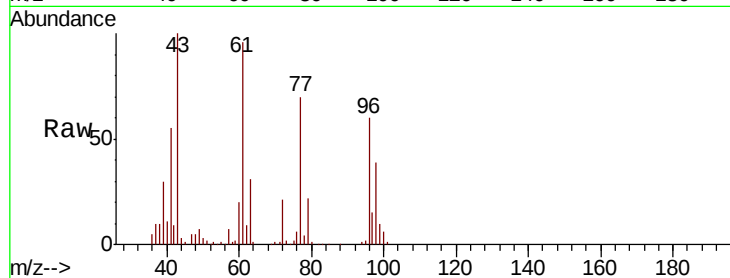
Tot Ion: 96 Resp: 249862

Ion Ratio Lower Upper

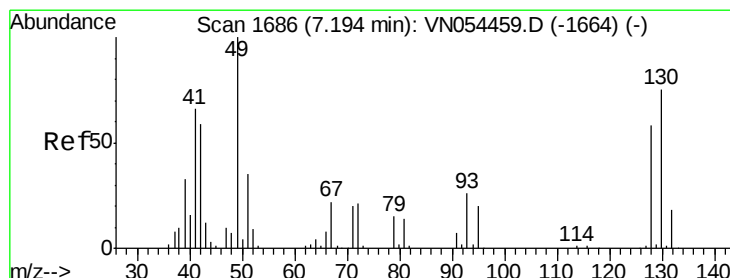
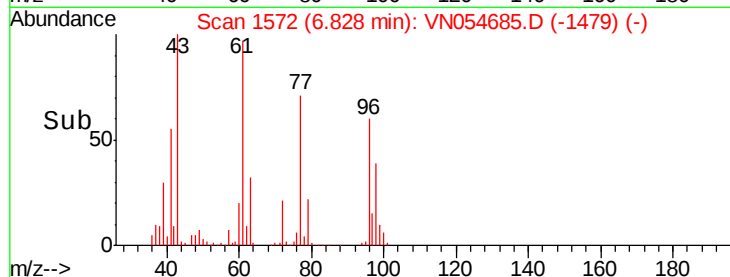
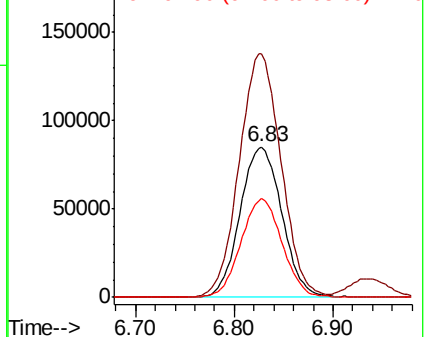
96 100

61 162.2 0.0 273.0

98 64.8 0.0 130.6



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



#28

Bromochloromethane

Concen: 56.052 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

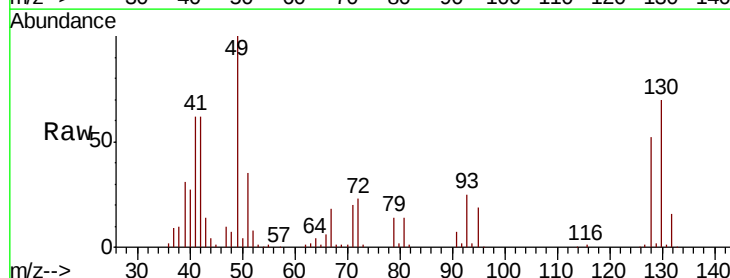
Tgt Ion: 49 Resp: 225789

Ion Ratio Lower Upper

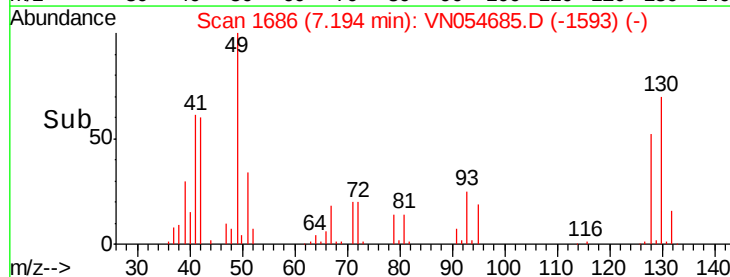
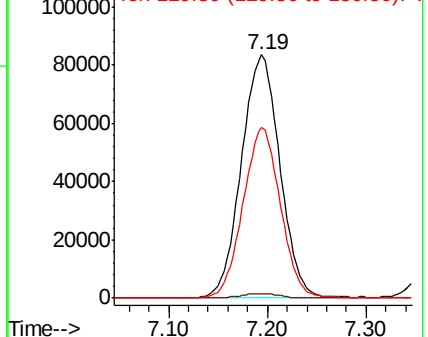
49 100

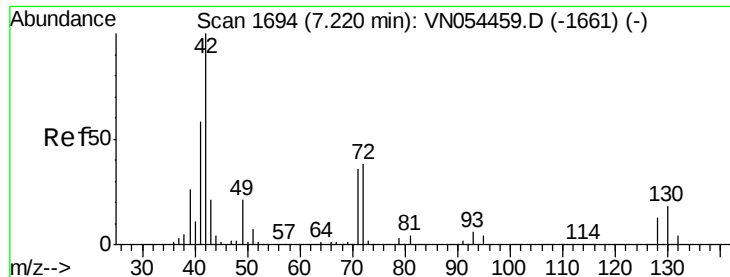
129 1.8 0.0 4.6

130 68.1 76.7 115.1#



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

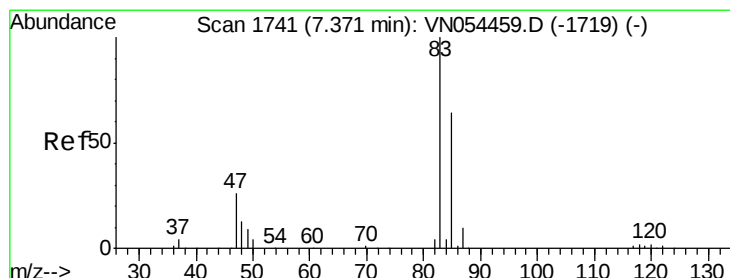
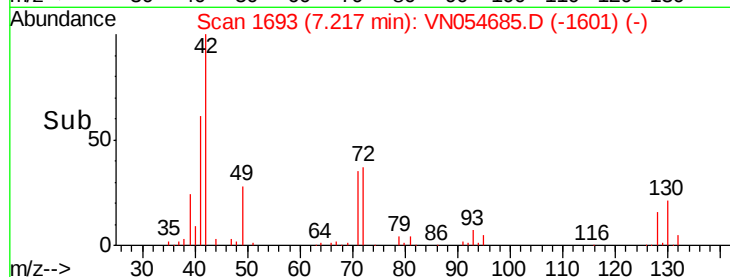
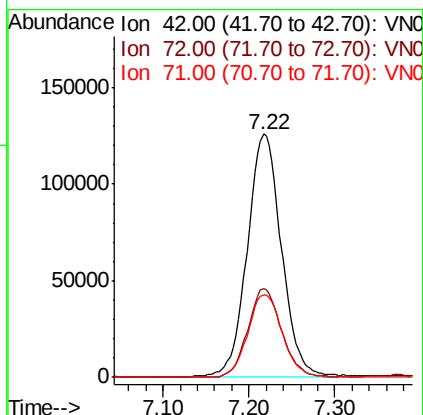
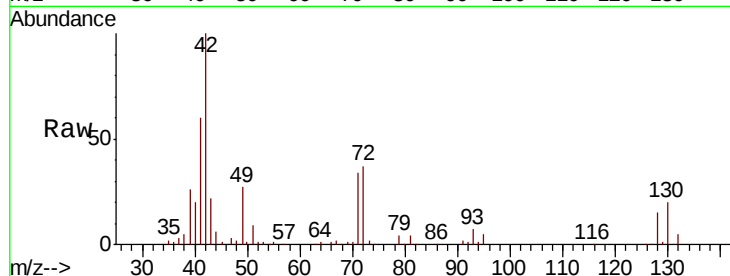




#29
Tetrahydrofuran
Concen: 263.266 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

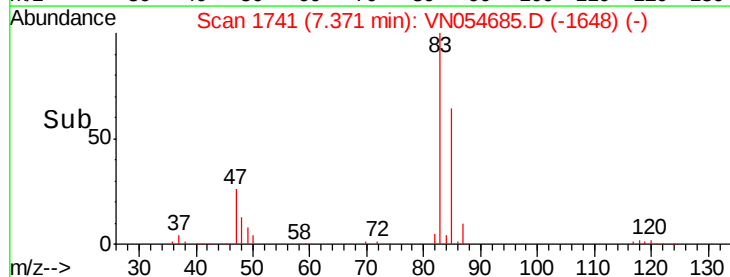
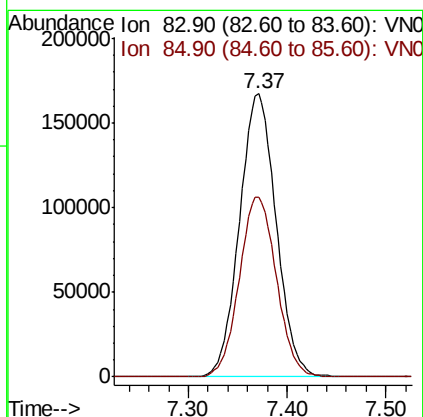
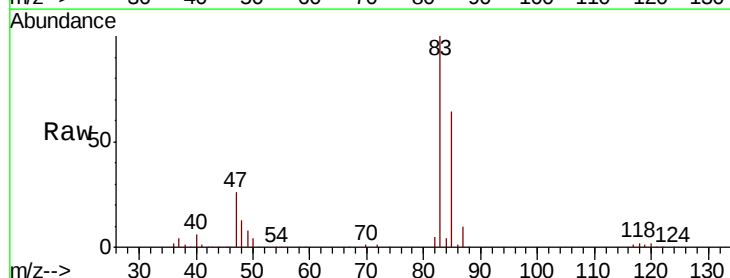
Instrument :
MSVOA_N
ClientSampleId :

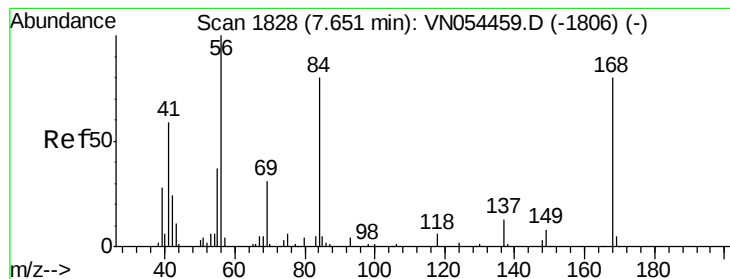
Tot Ion: 42 Resp: 347214
Ion Ratio Lower Upper
42 100
72 36.2 37.8 56.6#
71 34.6 36.2 54.2#



#30
Chloroform
Concen: 53.900 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 83 Resp: 430479
Ion Ratio Lower Upper
83 100
85 63.6 52.2 78.4





#31

Cyclohexane

Concen: 53.256 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

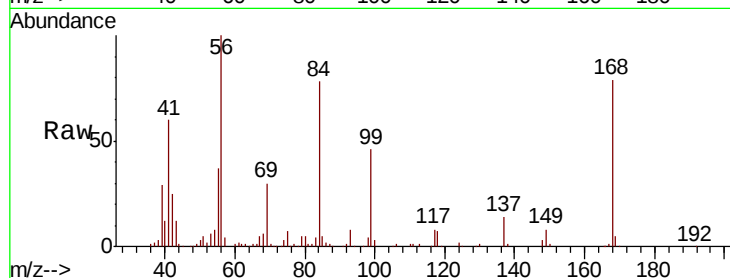
Tot Ion: 56 Resp: 416671

Ion Ratio Lower Upper

56 100

69 29.8 27.8 41.6

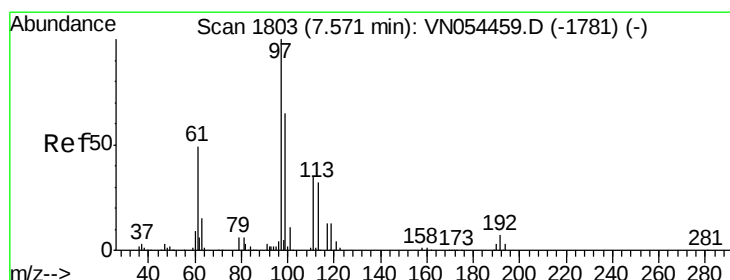
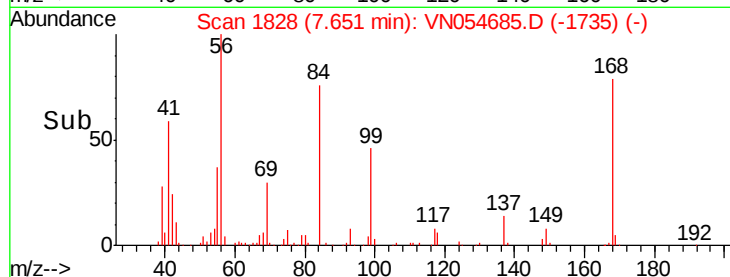
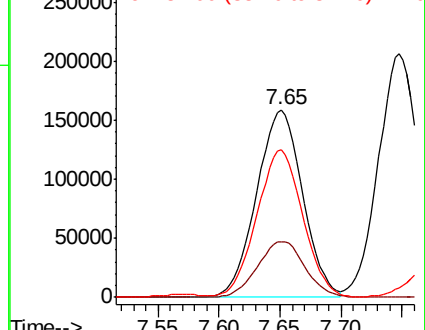
84 77.1 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN054459.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 54.443 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

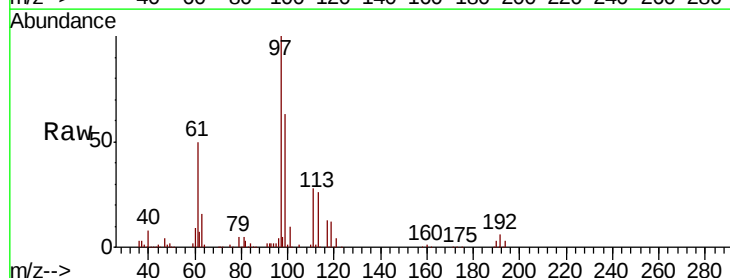
Tgt Ion: 97 Resp: 358728

Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

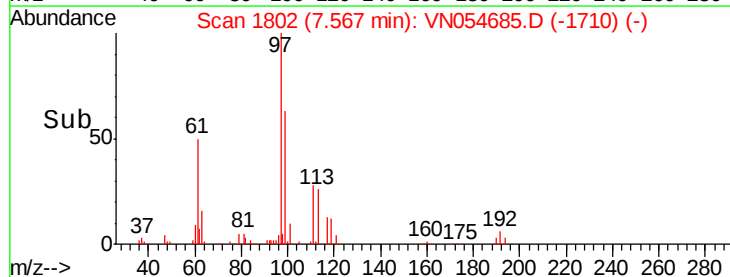
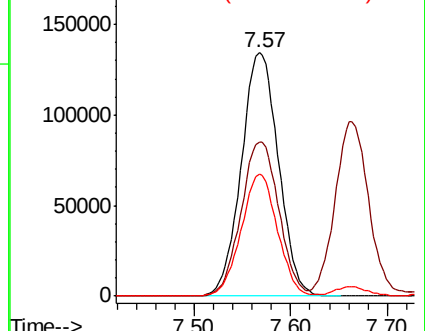
61 49.1 33.6 50.4

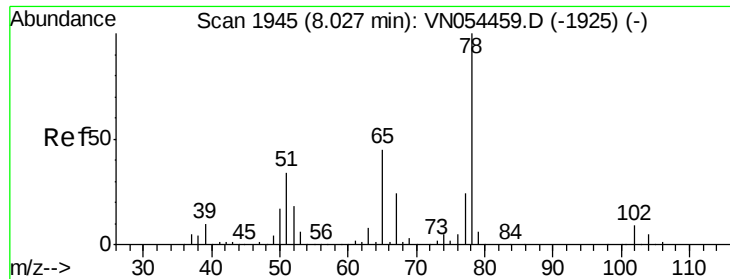


Abundance Ion 96.90 (96.60 to 97.60): VN054459.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-1781) (-)

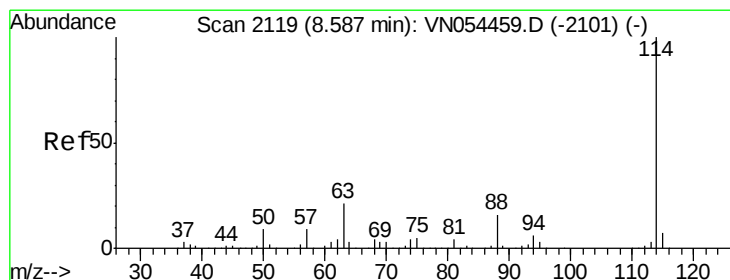
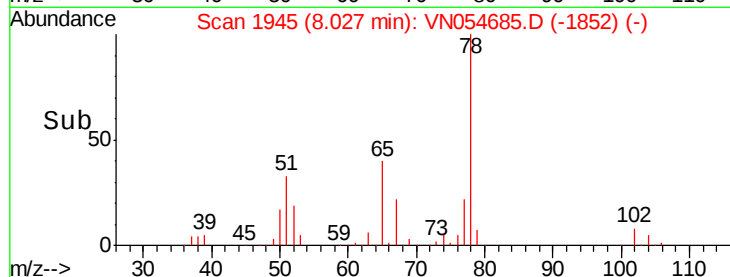
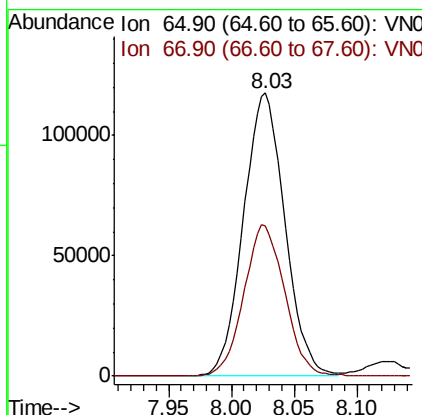
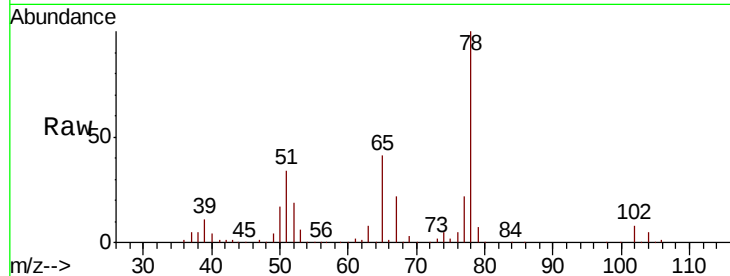




#33
 1,2-Dichloroethane-d4
 Concen: 51.339 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

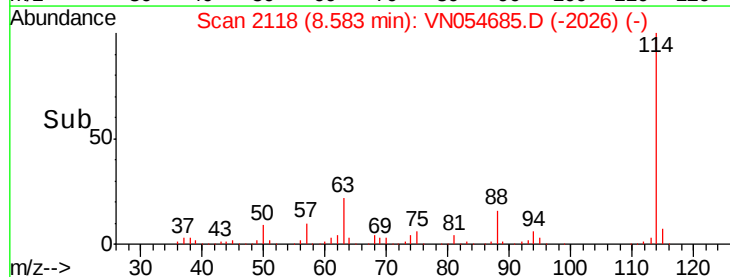
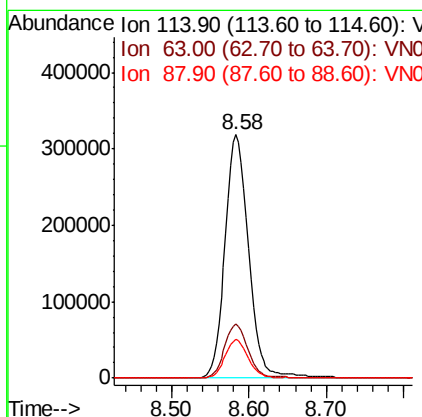
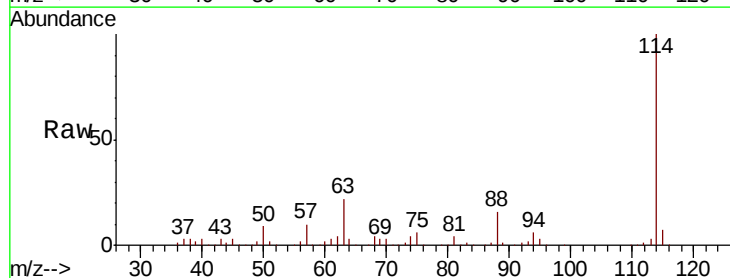
Instrument :
 MSVOA_N
 ClientSampled :

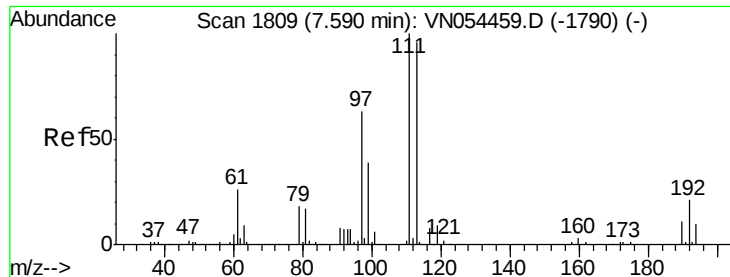
Tot Ion: 65 Resp: 270918
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion: 114 Resp: 675420
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 15.8 0.0 30.2

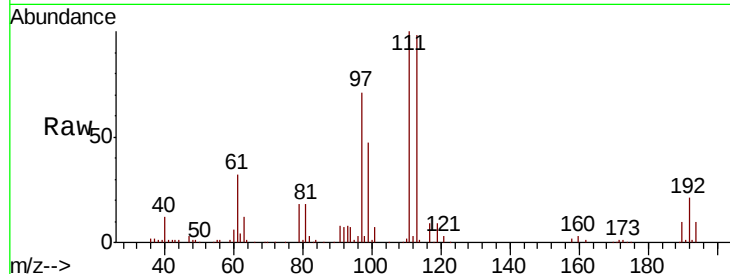




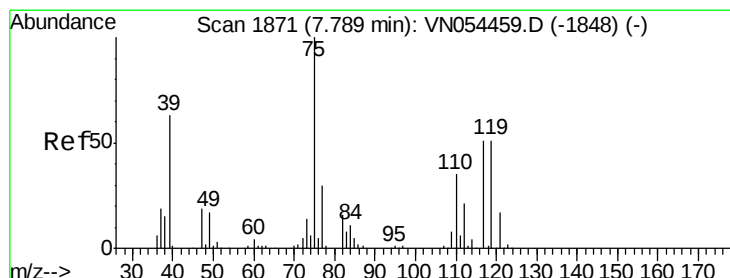
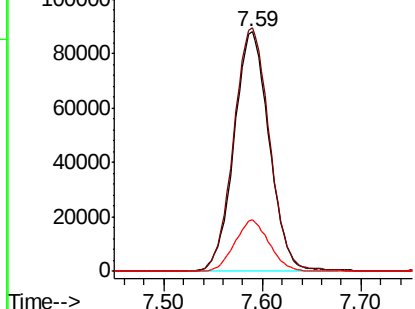
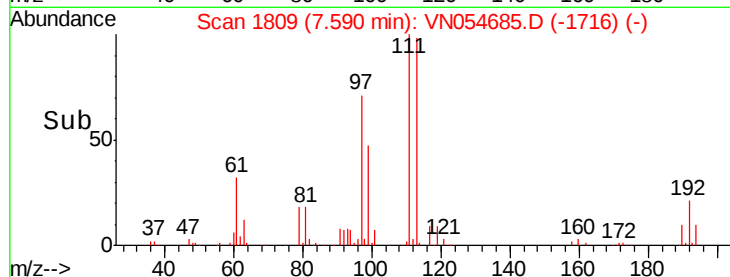
#35
 Dibromofluoromethane
 Concen: 50.043 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	21.0	19.2	28.8

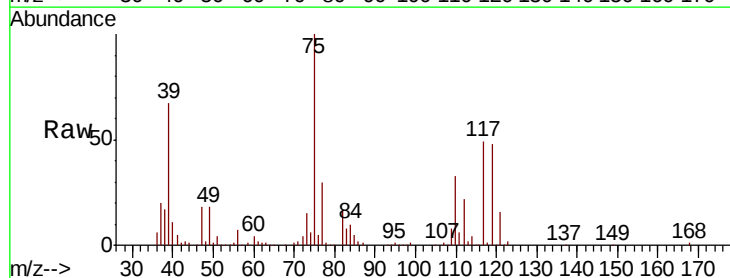


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

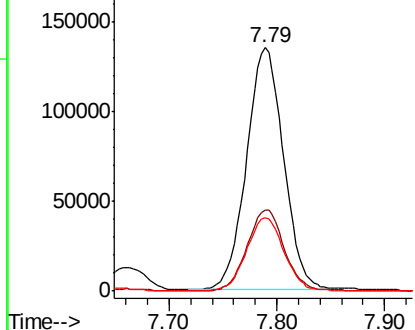
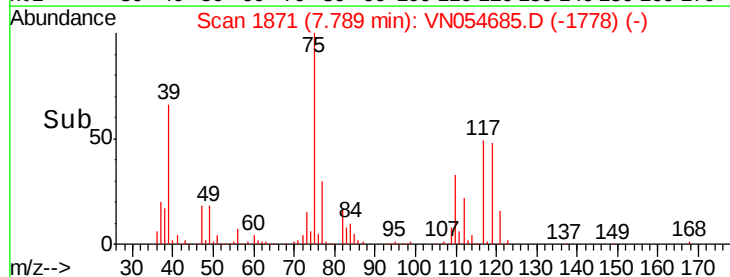


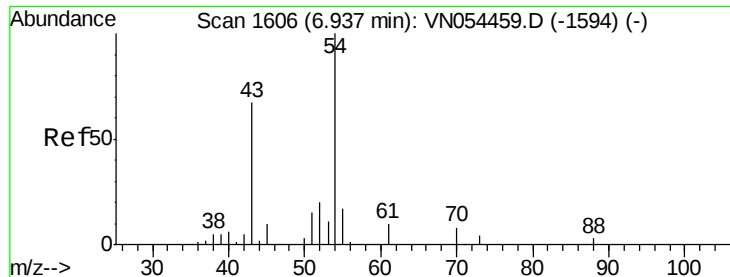
#36
 1,1-Dichloropropene
 Concen: 51.155 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	19.1	57.5
77	31.0	25.0	37.4



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

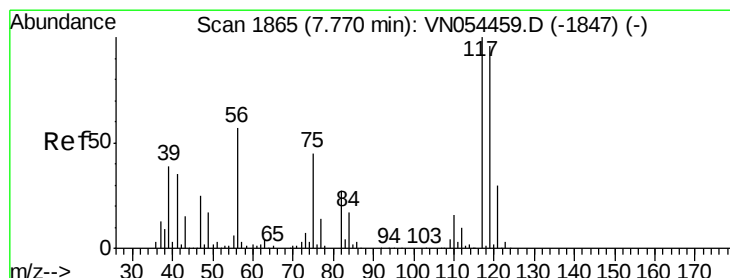
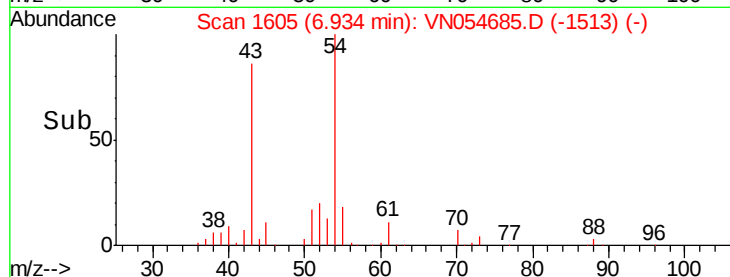
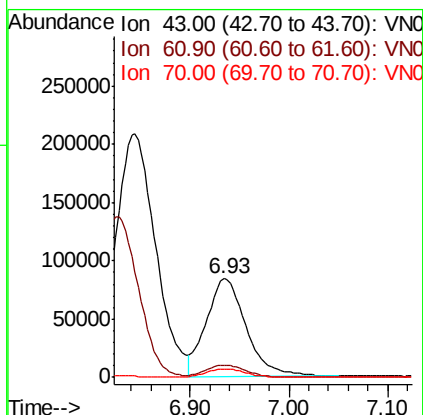
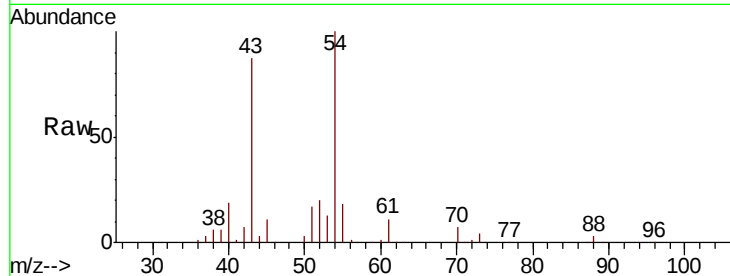




#37
Ethyl Acetate
Concen: 52.531 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

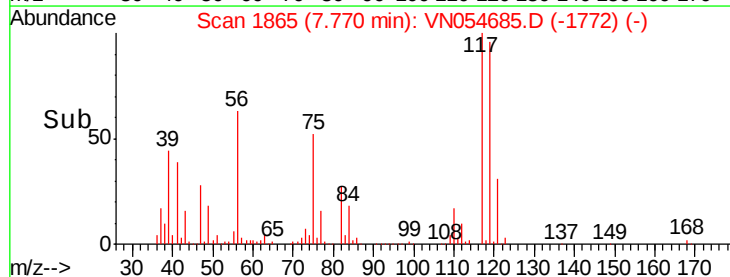
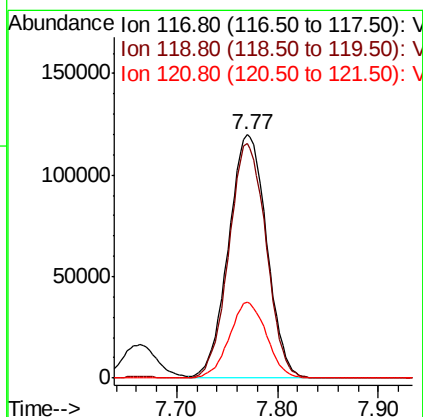
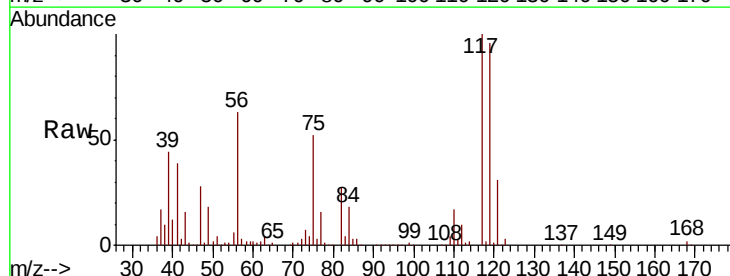
Instrument :
MSVOA_N
ClientSampled :

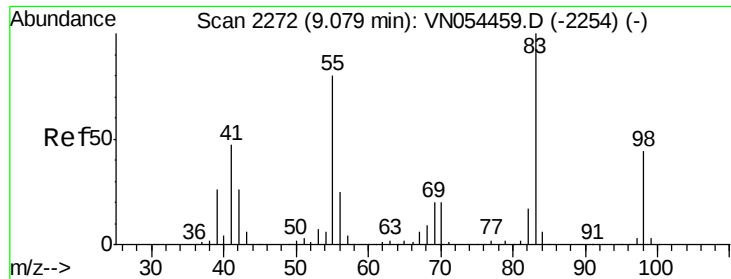
Tot Ion: 43 Resp: 235949
Ion Ratio Lower Upper
43 100
61 12.7 11.8 17.6
70 8.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.446 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 117 Resp: 315725
Ion Ratio Lower Upper
117 100
119 96.1 76.3 114.5
121 31.4 24.6 36.8

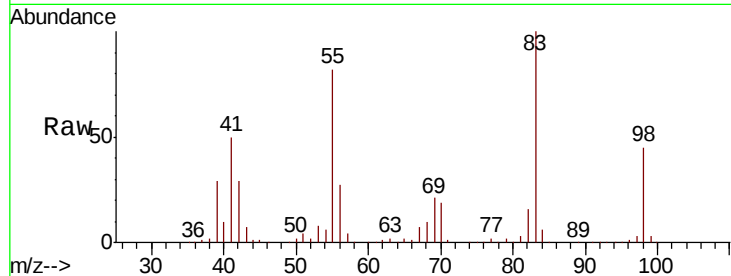




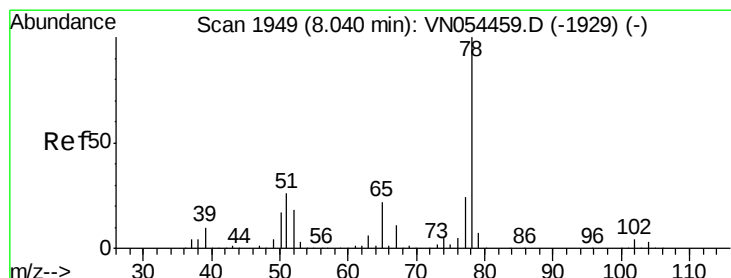
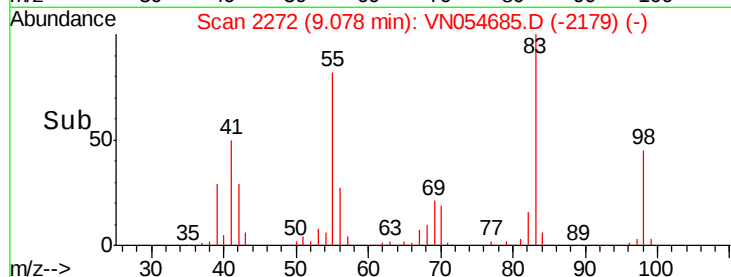
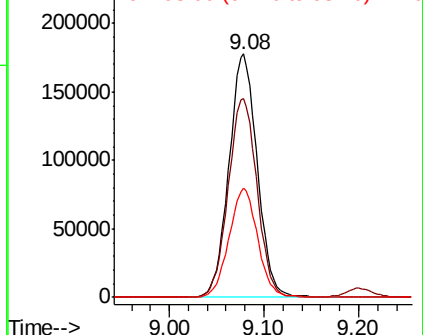
#39
Methvlcvclohexane
Concen: 51.142 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 369449
Ion Ratio Lower Upper
83 100
55 81.8 56.6 84.8
98 45.0 38.4 57.6

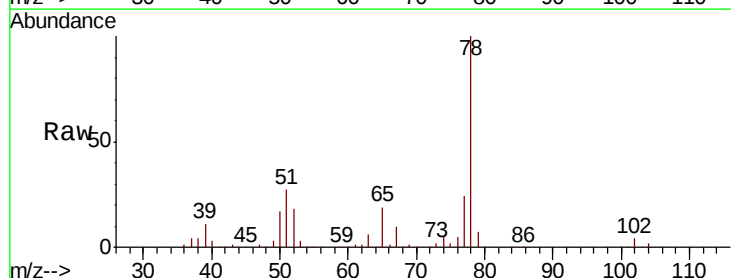


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

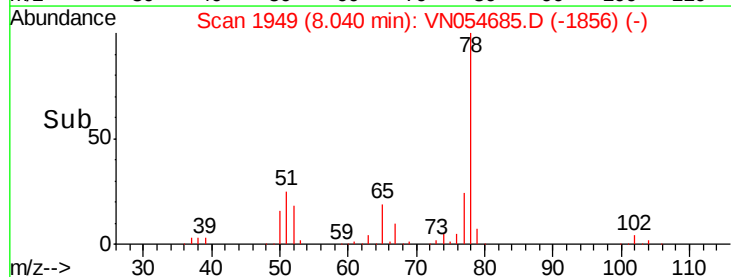
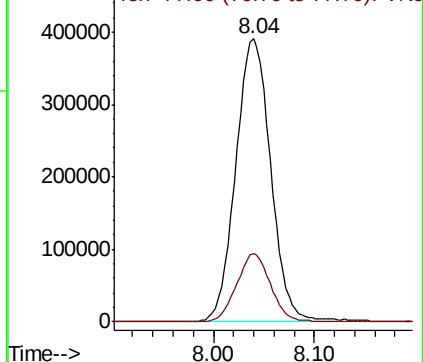


#40
Benzene
Concen: 52.000 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 78 Resp: 939062
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7



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

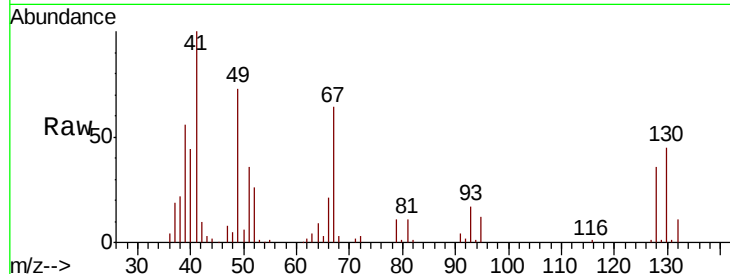




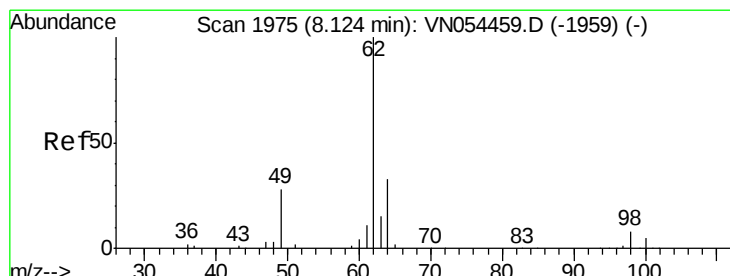
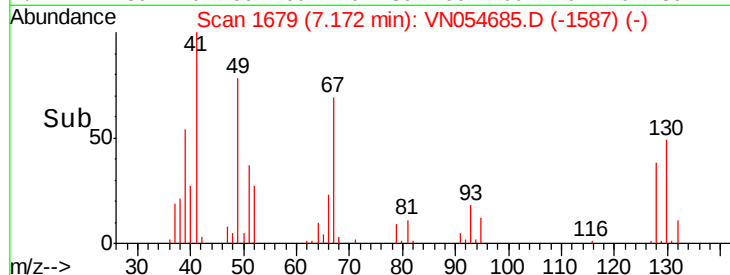
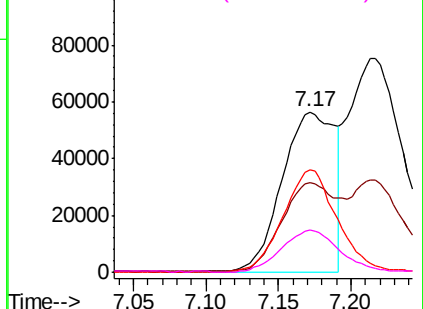
#41
Methacrylonitrile
Concen: 52.159 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 142875
Ion Ratio Lower Upper
41 100
39 61.3 46.8 70.2
67 65.9 67.0 100.4#
52 28.4 26.5 39.7

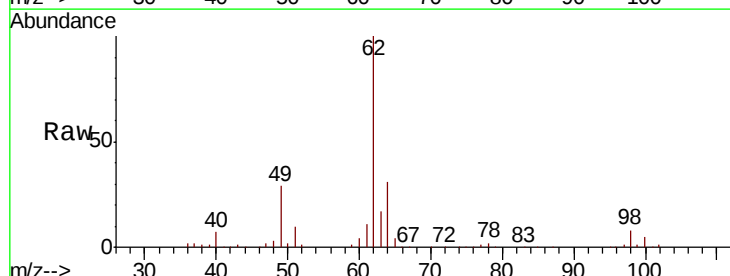


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

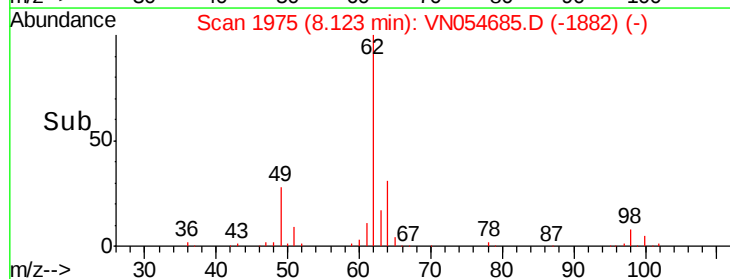
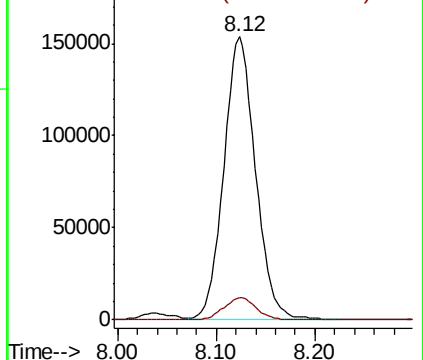


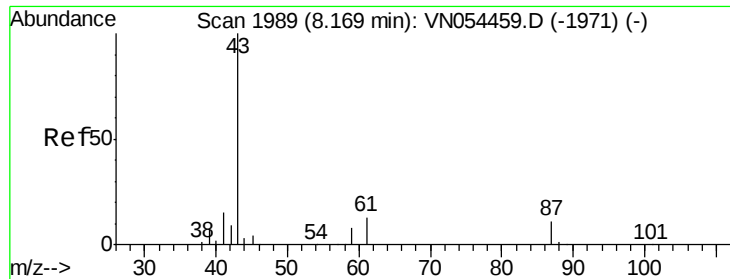
#42
1,2-Dichloroethane
Concen: 52.259 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 62 Resp: 343685
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 53.624 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

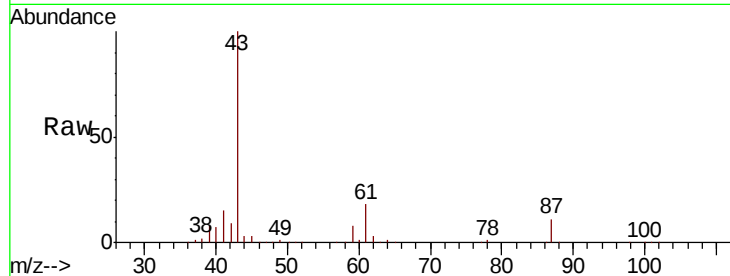
Tot Ion: 43 Resp: 406774

Ion Ratio Lower Upper

43 100

61 17.3 15.8 23.8

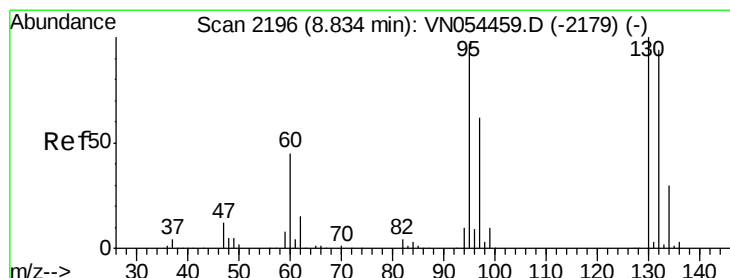
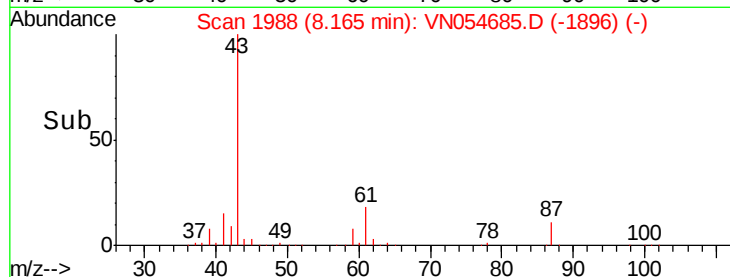
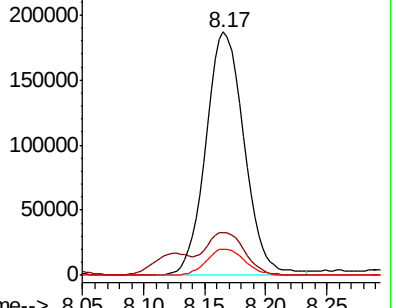
87 10.8 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 49.071 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN054685.D

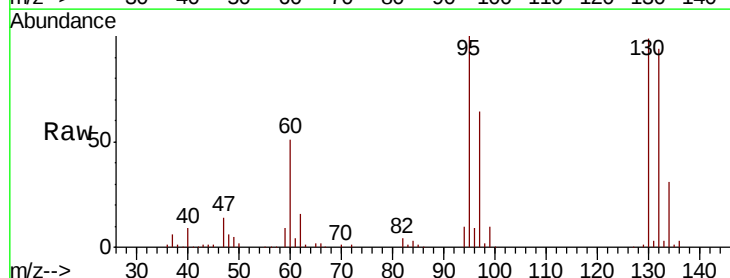
Acq: 26 Mar 2019 9:10

Tgt Ion:130 Resp: 246369

Ion Ratio Lower Upper

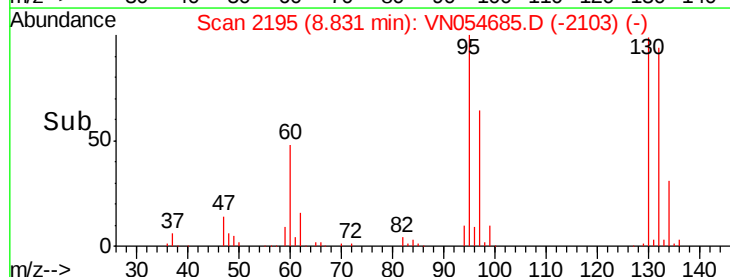
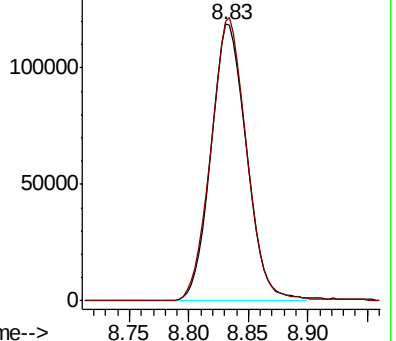
130 100

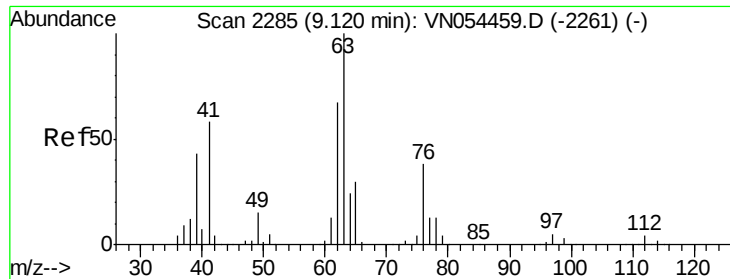
95 101.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 55.703 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

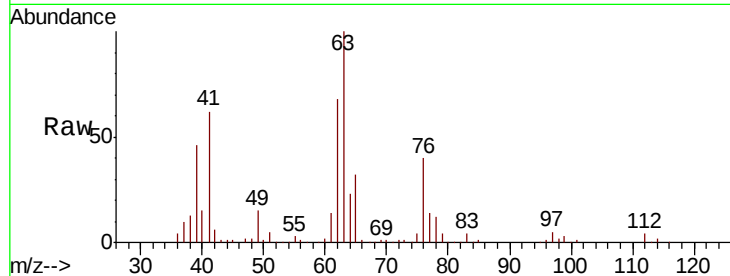
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 270112

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

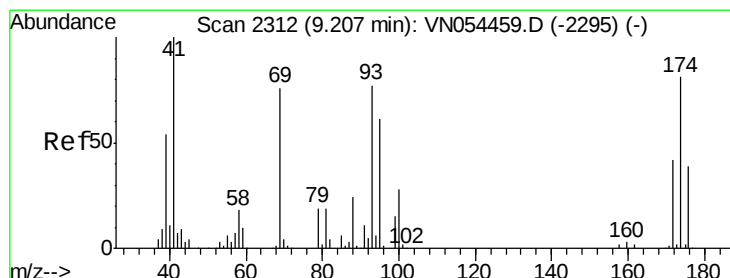
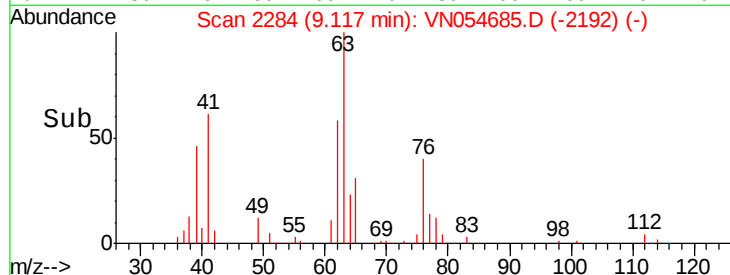
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 53.270 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

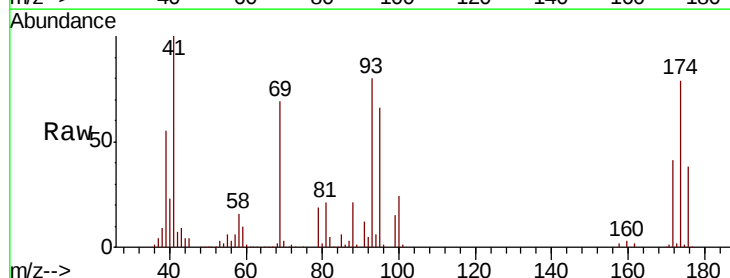
Tgt Ion: 93 Resp: 154105

Ion Ratio Lower Upper

93 100

95 81.6 66.7 100.1

174 100.9 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

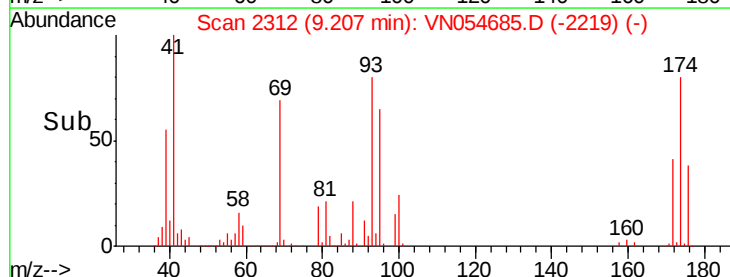
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 54.512 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :

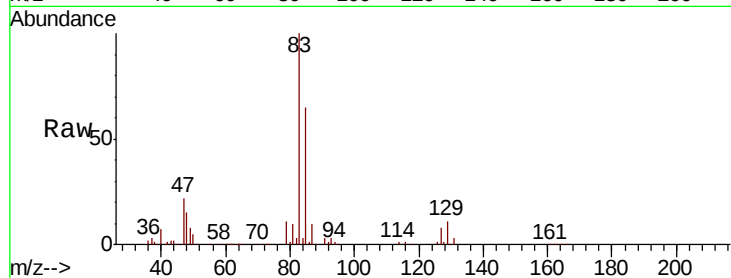
Tot Ion: 83 Resp: 327278

Ion Ratio Lower Upper

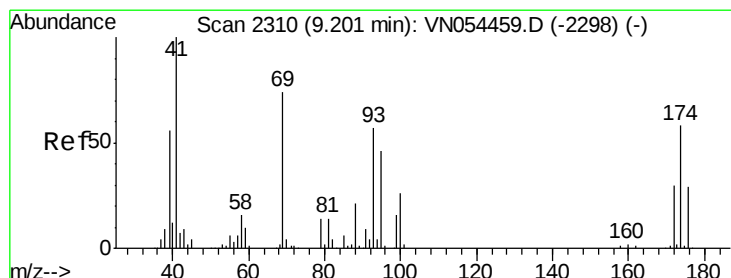
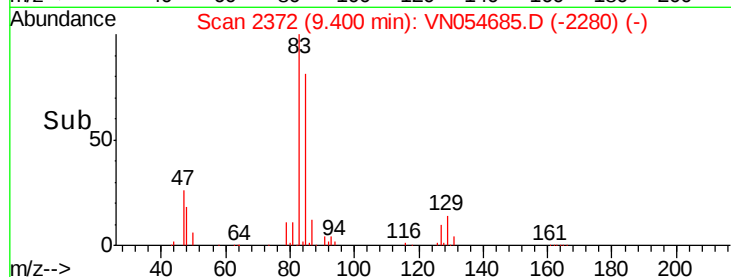
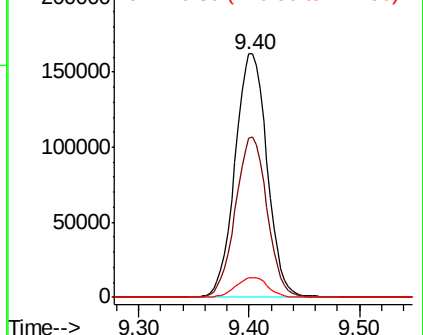
83 100

85 65.5 52.8 79.2

127 8.0 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 50.890 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

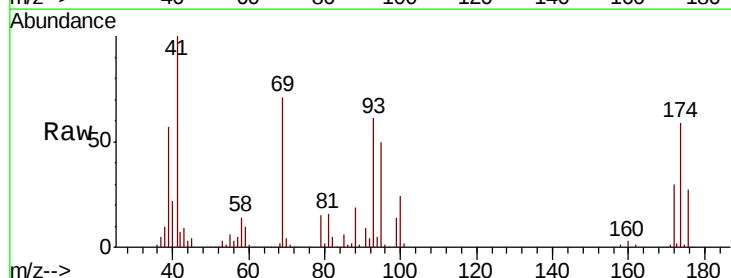
Tgt Ion: 41 Resp: 209525

Ion Ratio Lower Upper

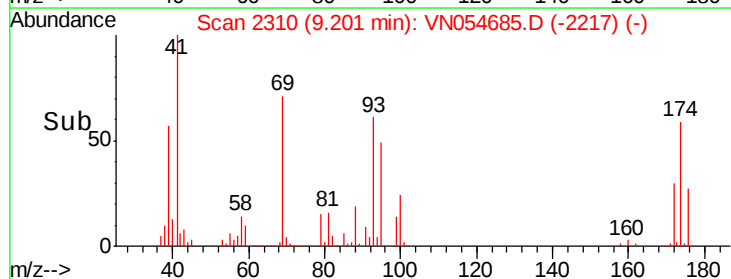
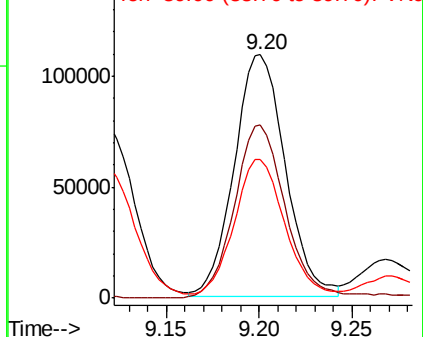
41 100

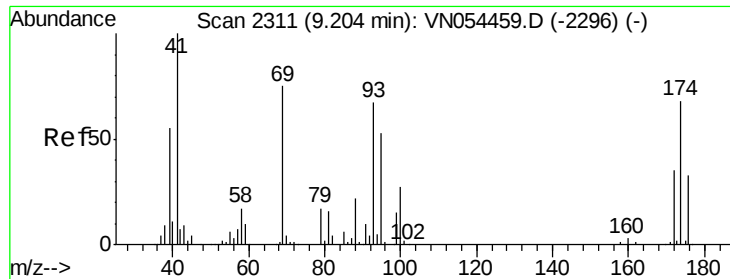
69 71.8 72.6 108.8#

39 56.9 47.5 71.3



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





#49

1,4-Dioxane

Concen: 949.851 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

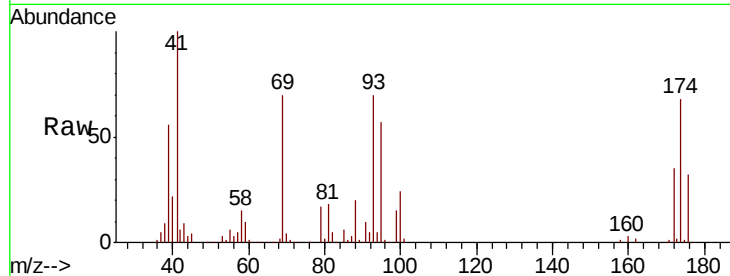
Tot Ion: 88 Resp: 43720

Ion Ratio Lower Upper

88 100

43 40.2 24.1 36.1#

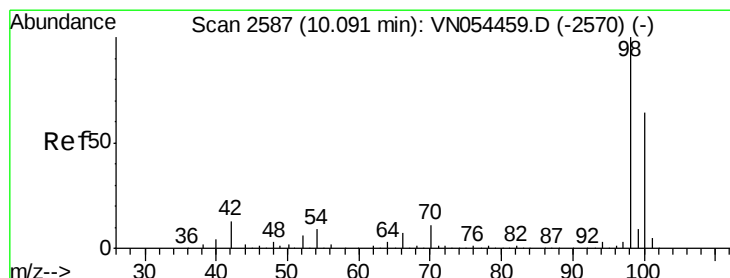
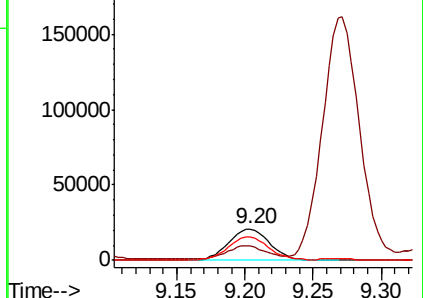
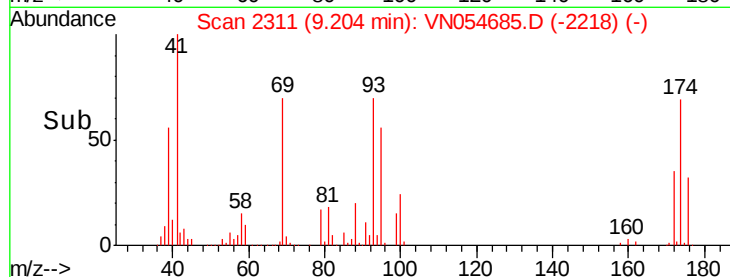
58 74.5 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.935 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054685.D

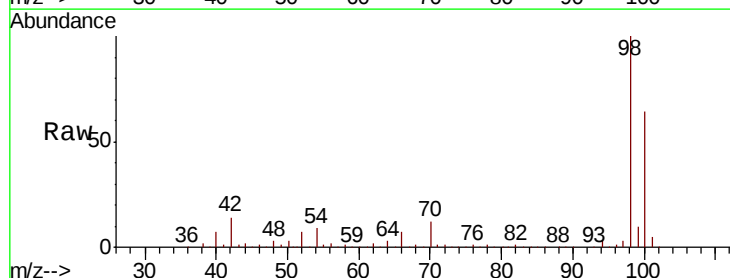
Acq: 26 Mar 2019 9:10

Tgt Ion: 98 Resp: 816857

Ion Ratio Lower Upper

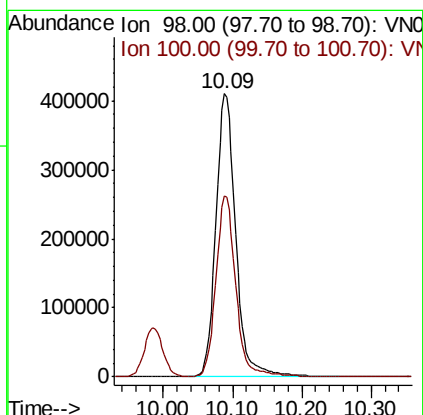
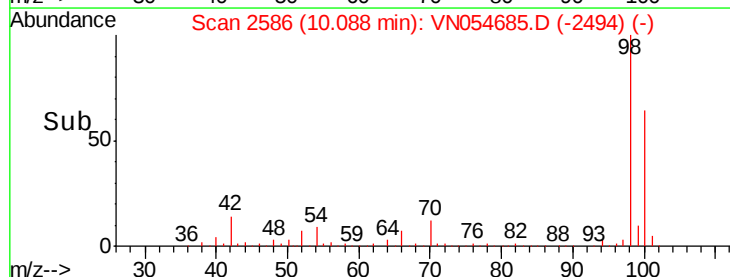
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 270.760 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

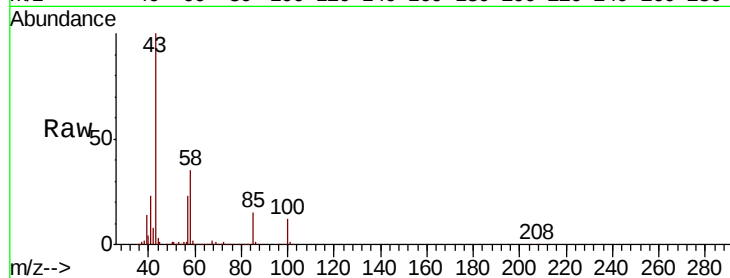
ClientSampleId :

Tot Ion: 43 Resp: 1138280

Ion Ratio Lower Upper

43 100

58 34.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

9.99

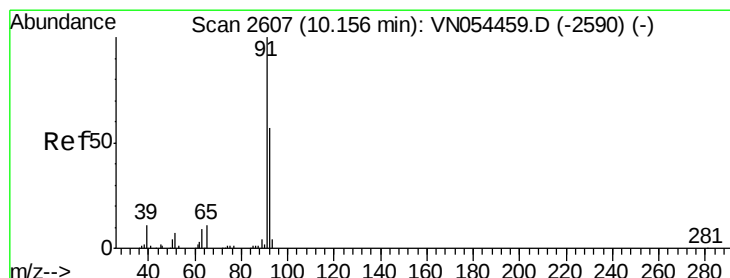
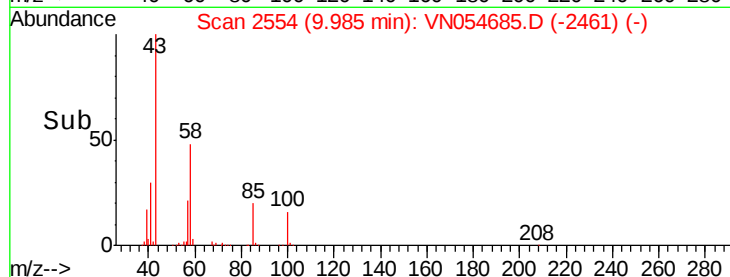
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.288 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054685.D

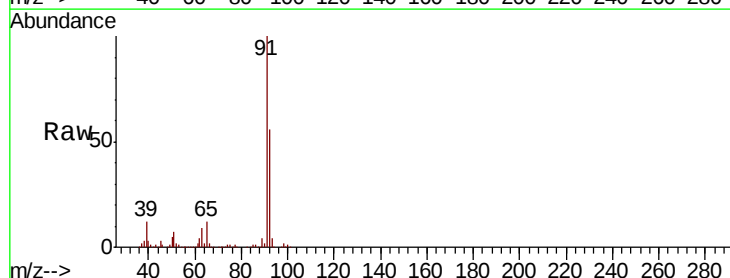
Acq: 26 Mar 2019 9:10

Tgt Ion: 92 Resp: 569657

Ion Ratio Lower Upper

92 100

91 176.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

10.15

600000

500000

400000

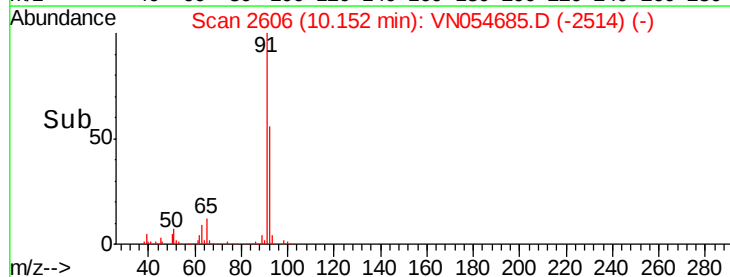
300000

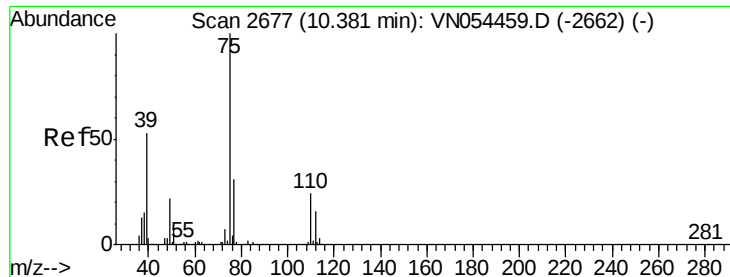
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.976 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

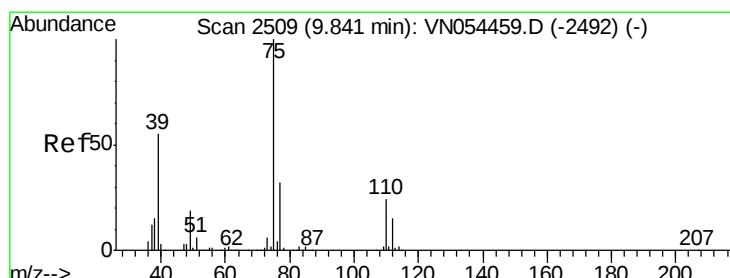
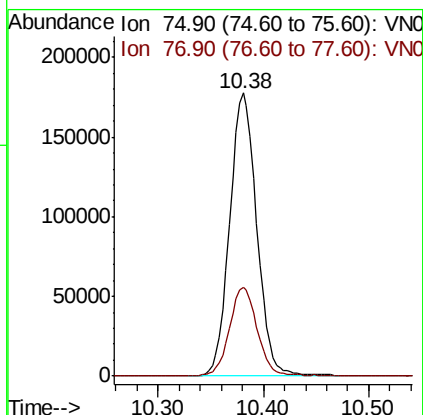
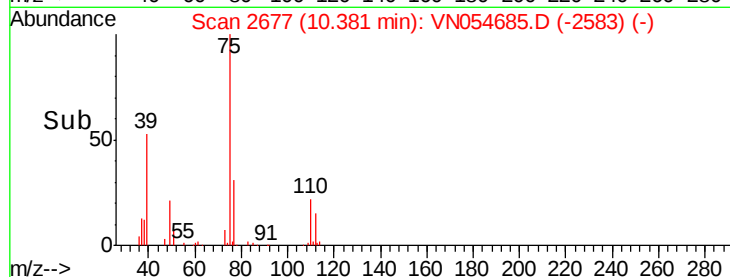
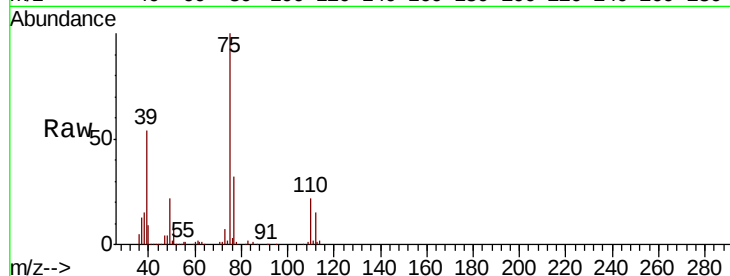
ClientSampled :

Tot Ion: 75 Resp: 316507

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 55.256 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

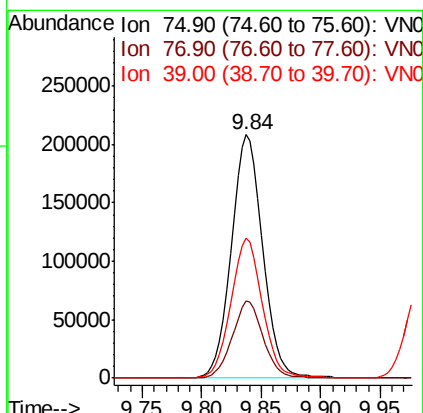
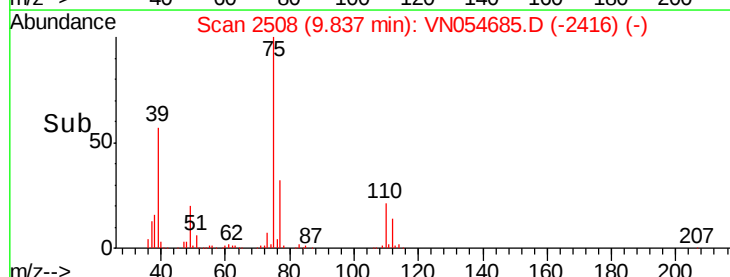
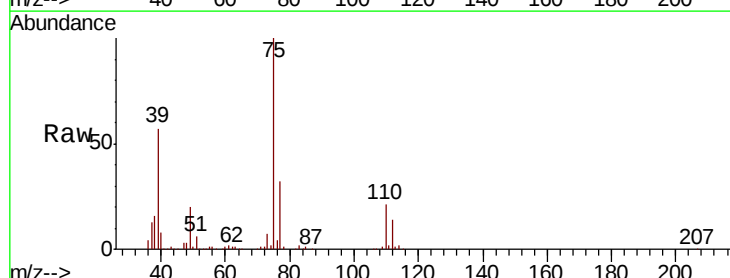
Tgt Ion: 75 Resp: 380379

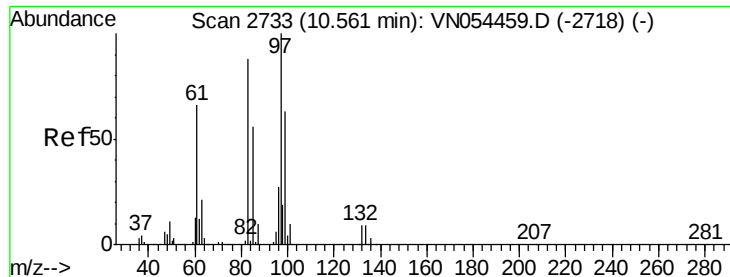
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 57.2 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 51.325 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 204919

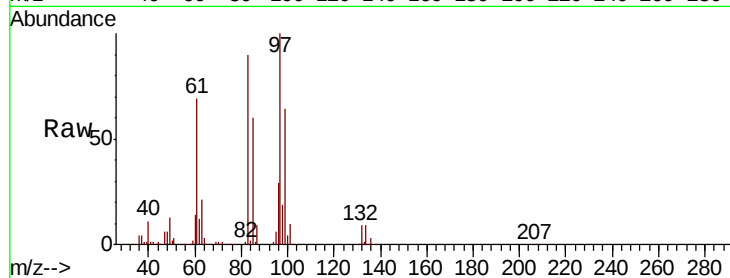
Ion Ratio Lower Upper

97 100

83 90.2 66.6 100.0

85 59.6 44.4 66.6

99 63.4 50.8 76.2

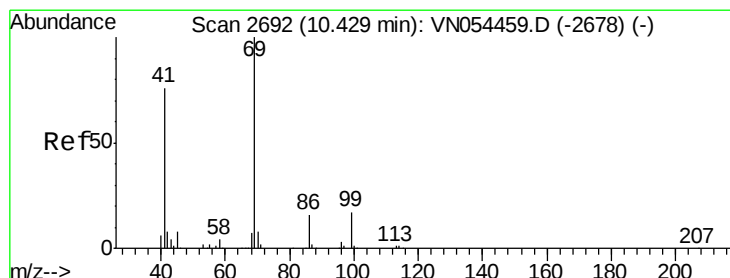
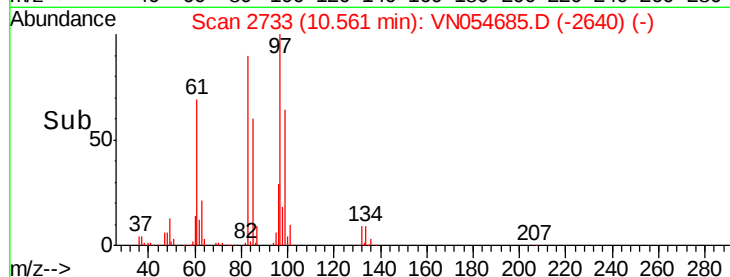
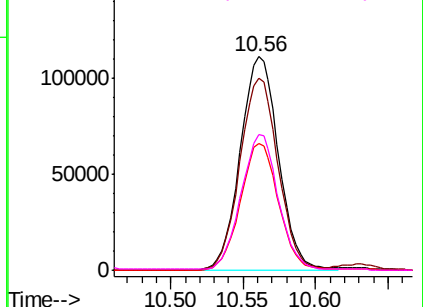


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.042 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

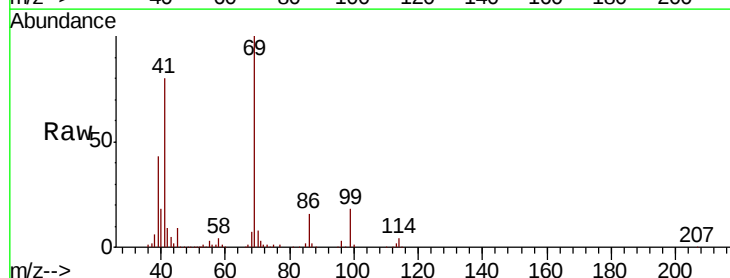
Tgt Ion: 69 Resp: 273526

Ion Ratio Lower Upper

69 100

41 79.7 49.4 74.2#

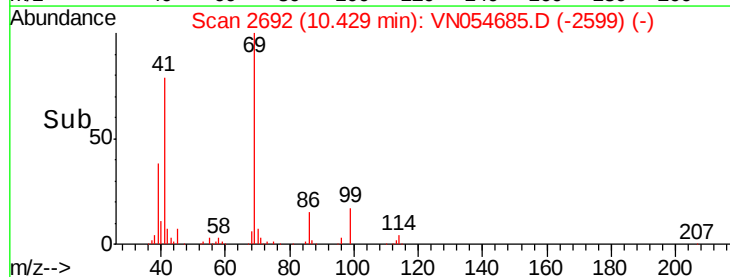
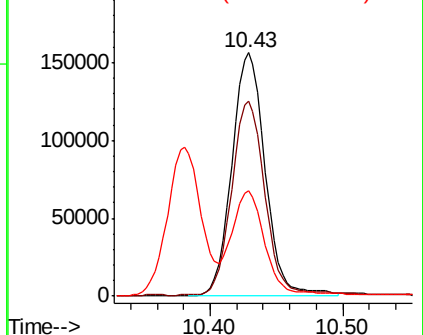
39 42.2 28.3 42.5

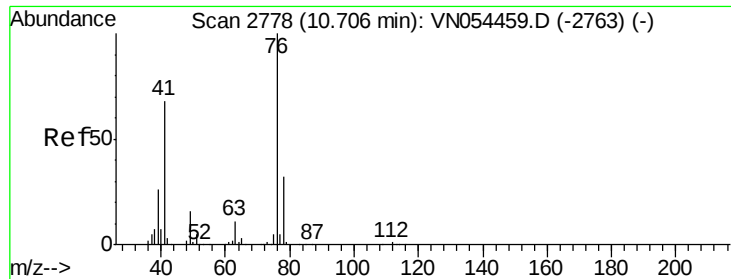


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.895 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

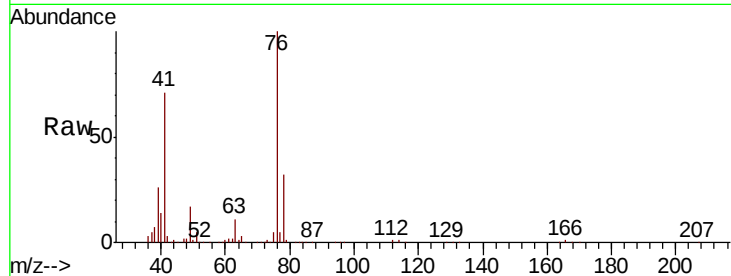
ClientSampled :

Tot Ion: 76 Resp: 367106

Ion Ratio Lower Upper

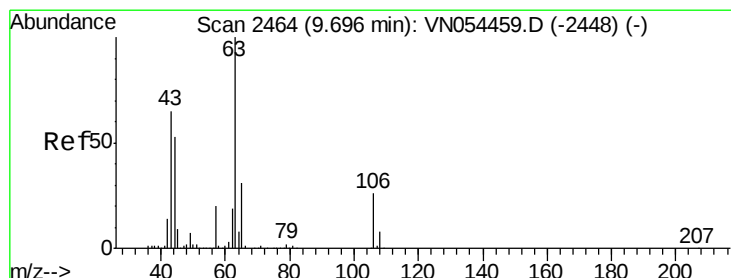
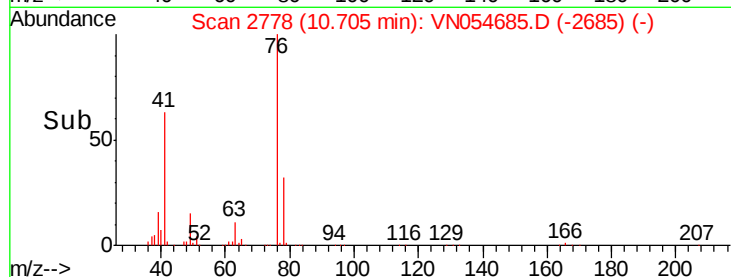
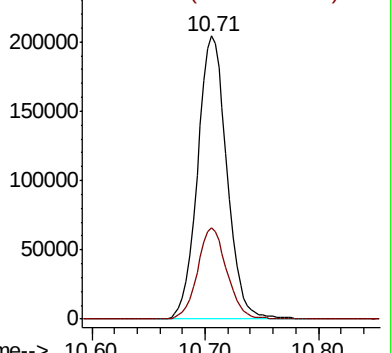
76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 236.564 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054685.D

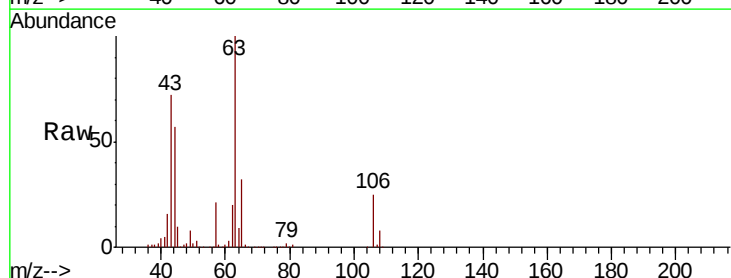
Acq: 26 Mar 2019 9:10

Tgt Ion: 63 Resp: 522011

Ion Ratio Lower Upper

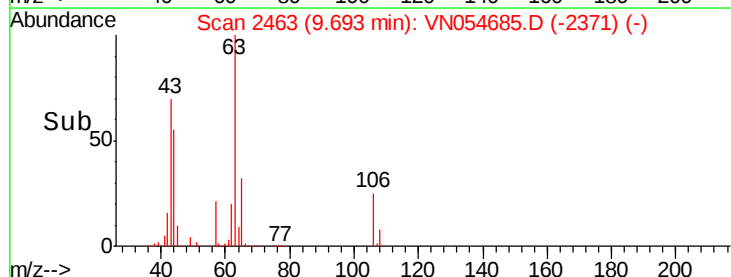
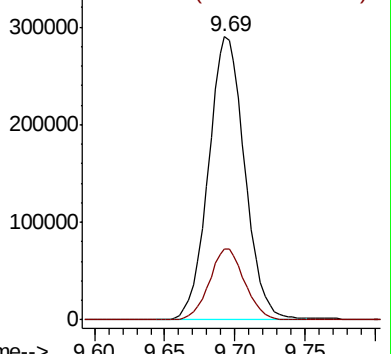
63 100

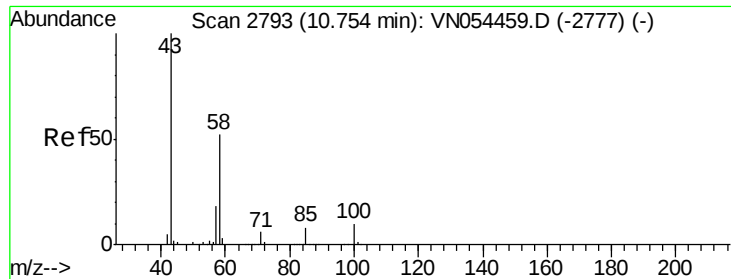
106 24.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

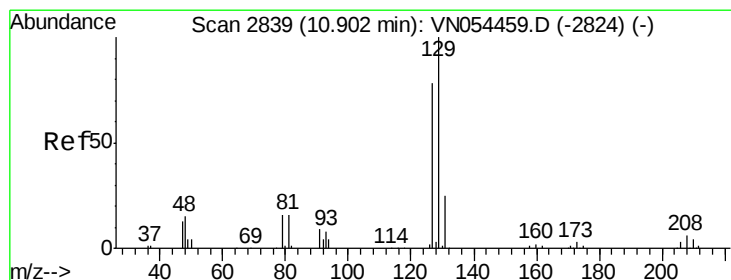
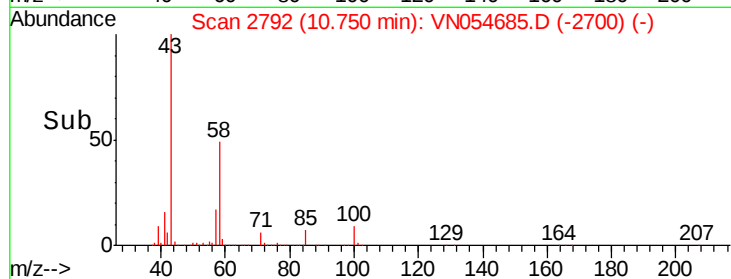
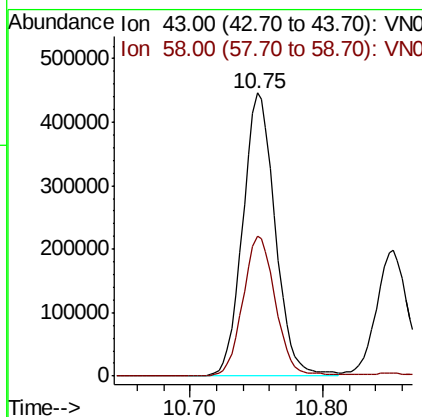
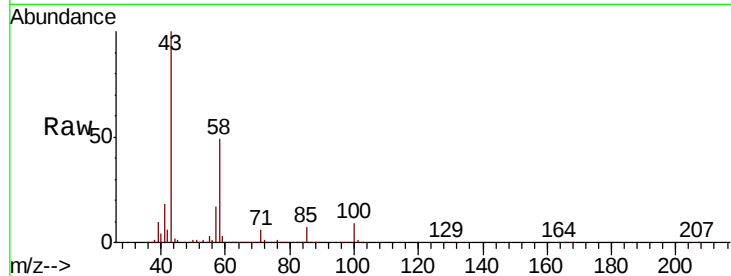




#59
2-Hexanone
Concen: 274.679 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

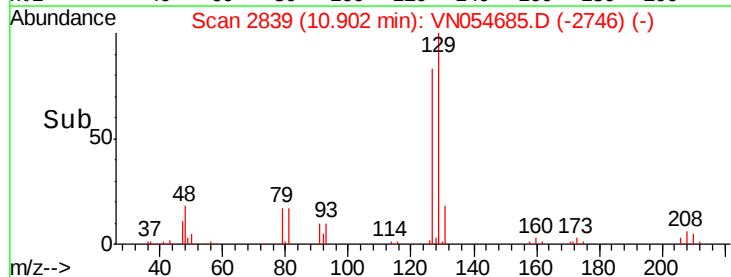
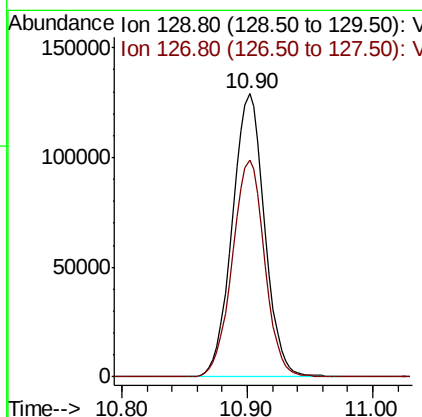
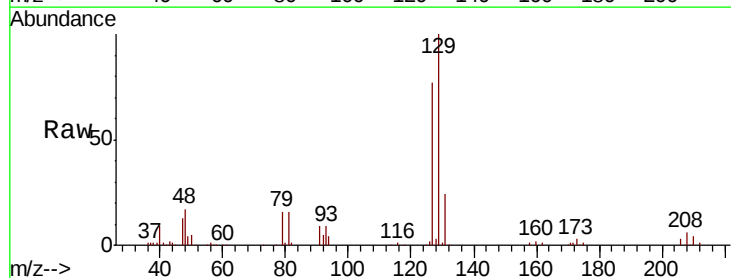
Instrument :
MSVOA_N
ClientSampled :

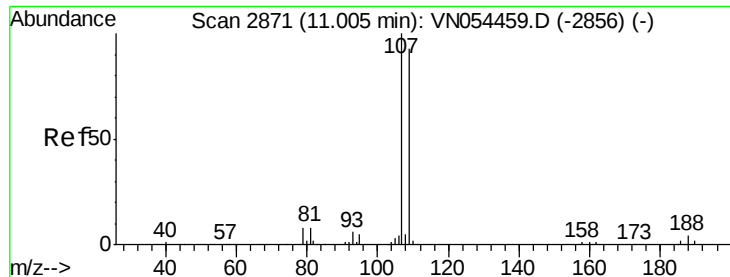
Tot Ion: 43 Resp: 754274
Ion Ratio Lower Upper
43 100
58 50.1 28.0 83.9



#60
Dibromochloromethane
Concen: 54.456 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 129 Resp: 231355
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

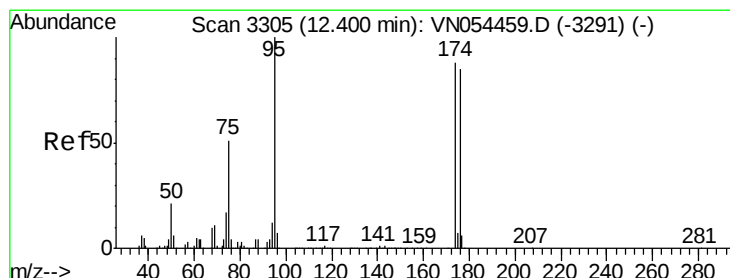
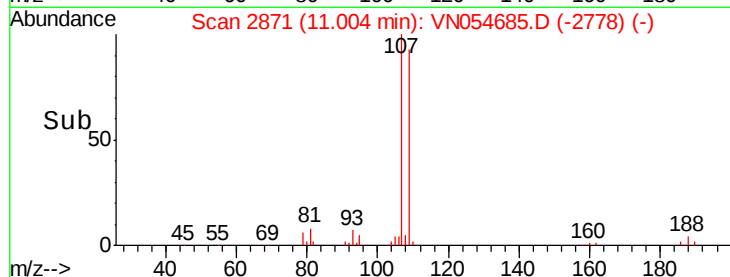
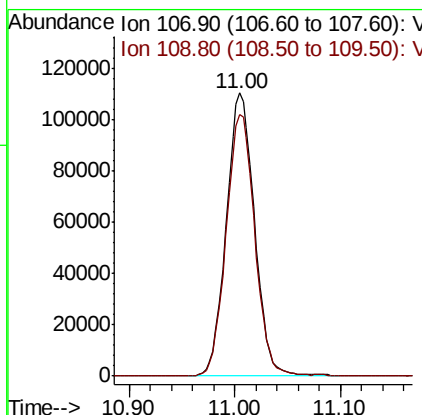
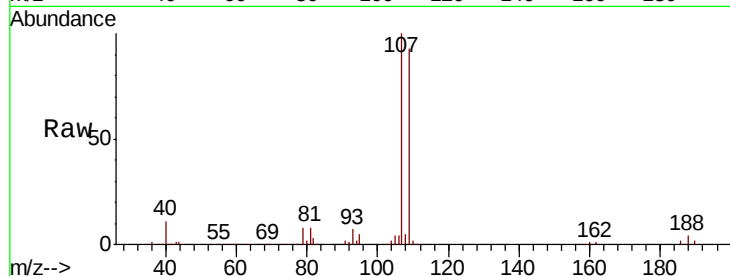




#61
 1,2-Dibromoethane
 Concen: 51.713 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

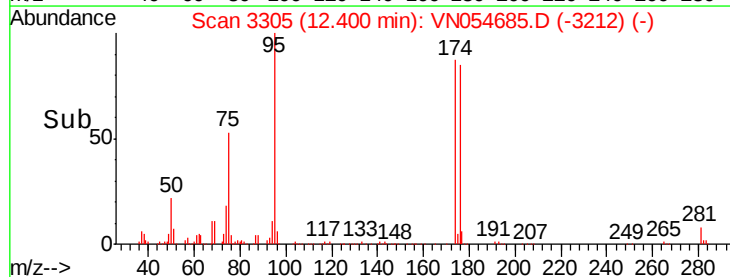
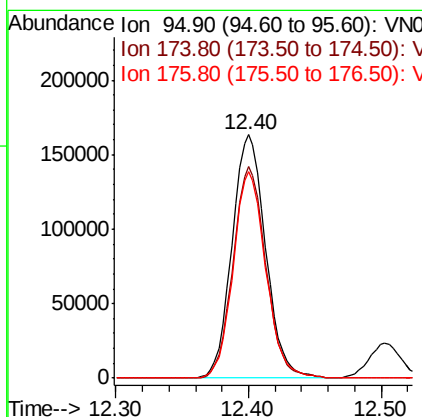
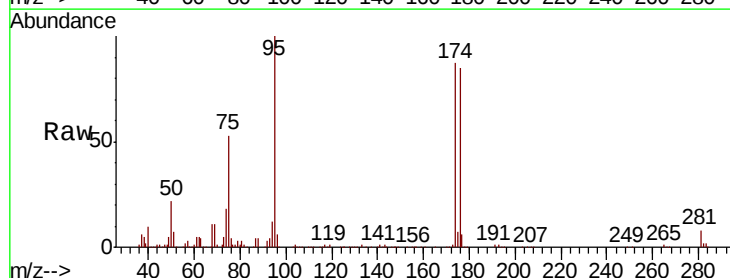
Instrument :
 MSVOA_N
 ClientSampled :

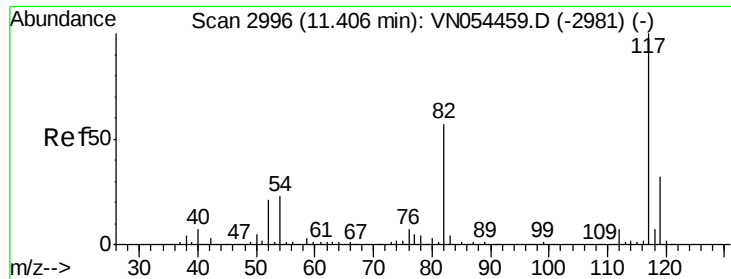
Tot Ion: 107 Resp: 204117
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.630 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion: 95 Resp: 287398
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 191.0
 176 82.4 0.0 187.4

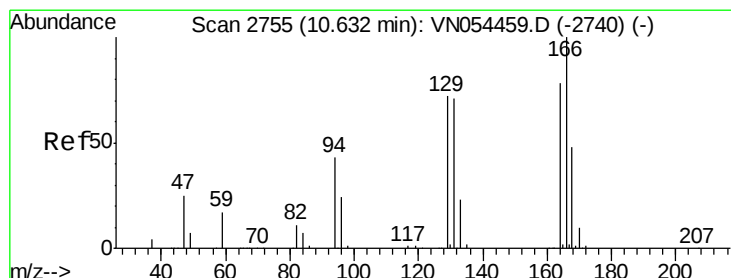
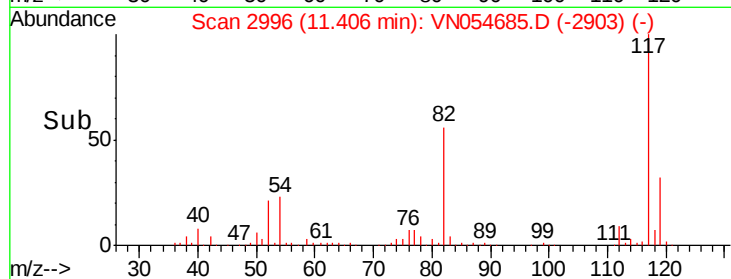
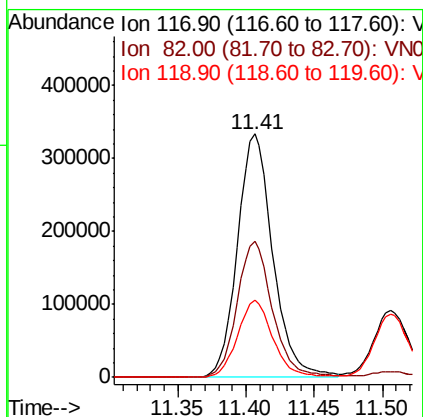
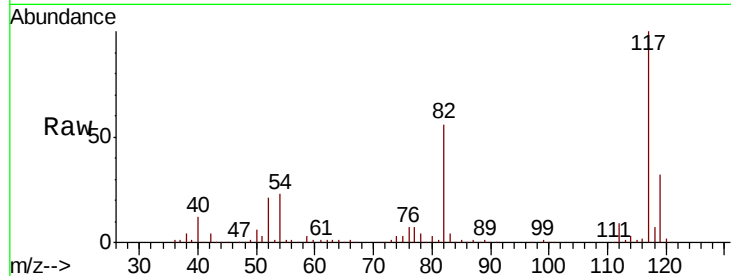




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

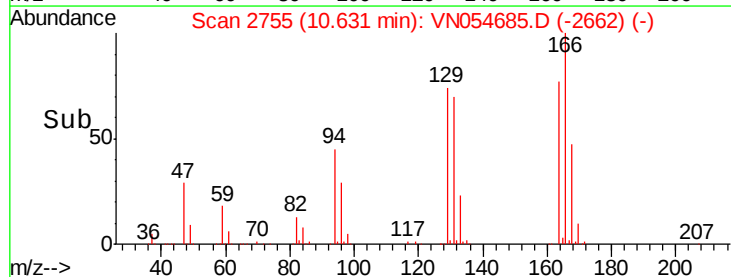
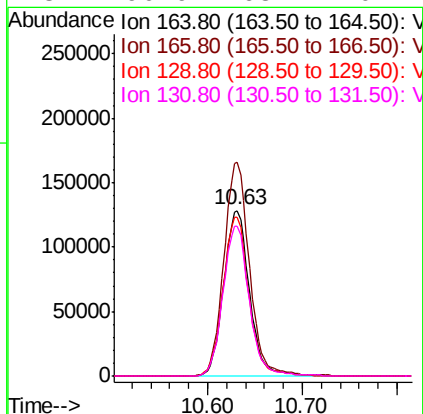
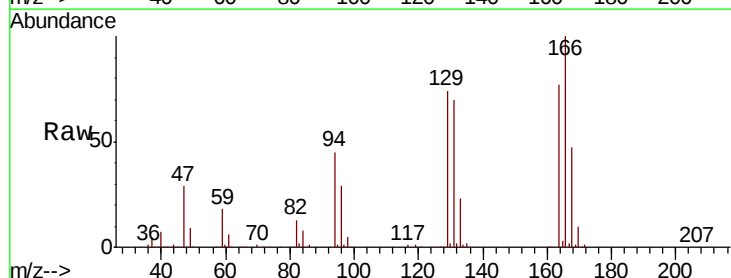
Instrument :
MSVOA_N
ClientSampled :

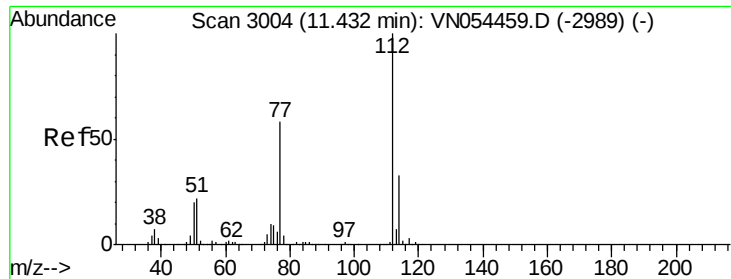
Tot Ion:117 Resp: 601084
Ion Ratio Lower Upper
117 100
82 55.7 40.0 60.0
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 48.790 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion:164 Resp: 243256
Ion Ratio Lower Upper
164 100
166 129.1 103.9 155.9
129 96.0 71.1 106.7
131 90.9 68.2 102.4

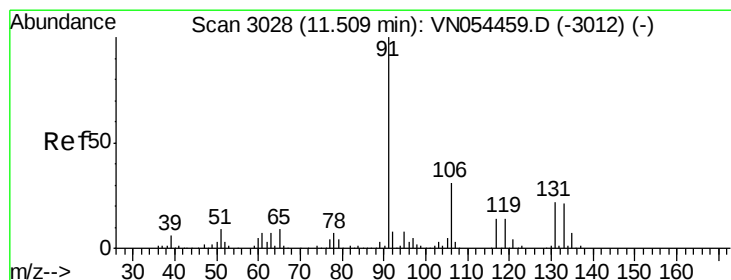
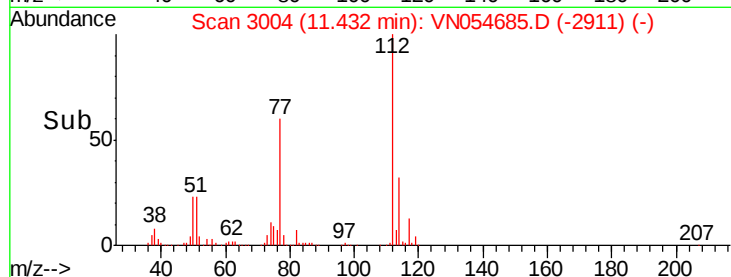
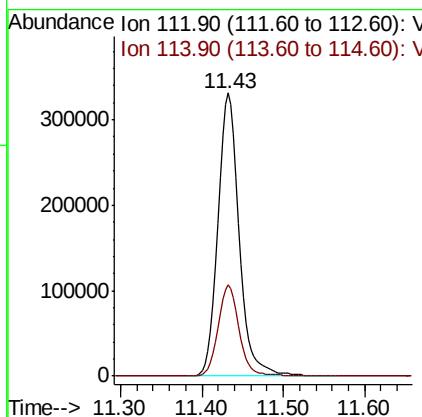
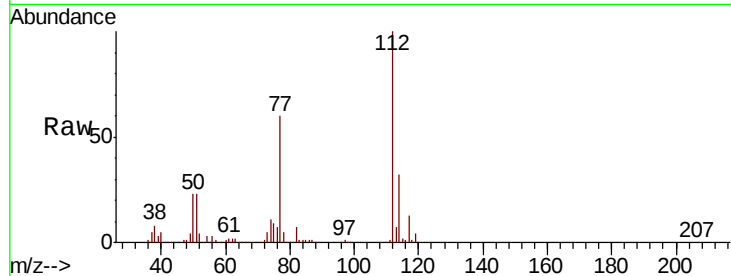




#65
Chlorobenzene
Concen: 50.080 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

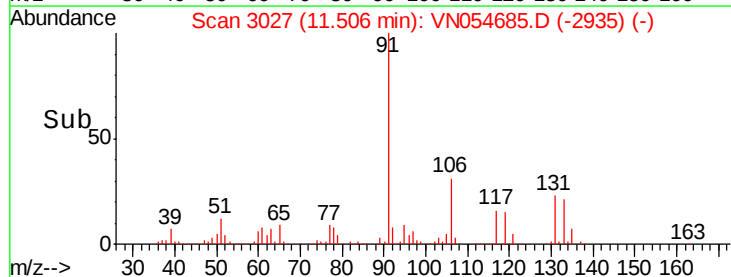
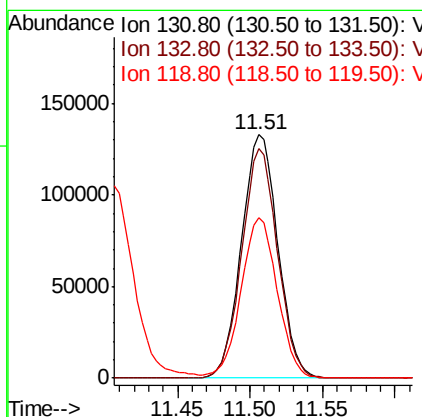
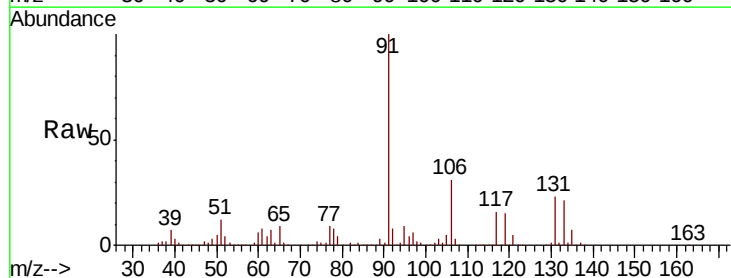
Instrument :
MSVOA_N
ClientSampled :

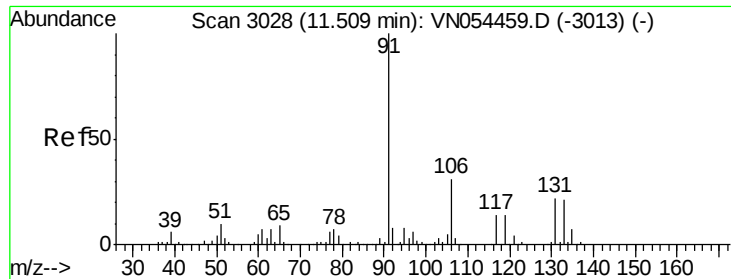
Tot Ion:112 Resp: 612242
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.040 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion:131 Resp: 232744
Ion Ratio Lower Upper
131 100
133 92.6 47.6 142.9
119 65.6 32.4 97.0

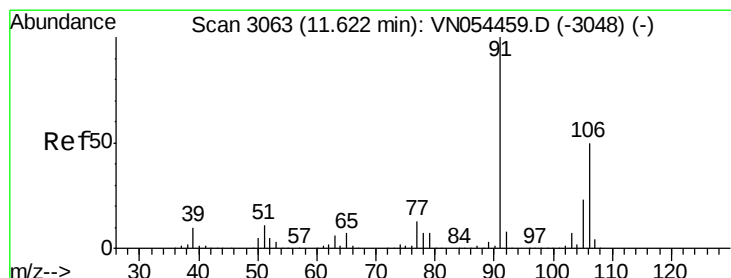
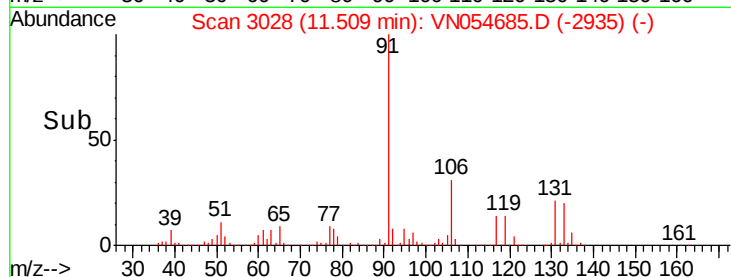
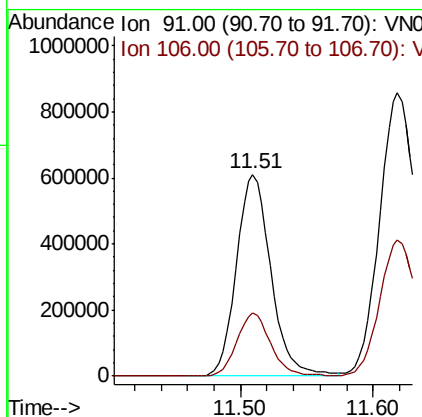
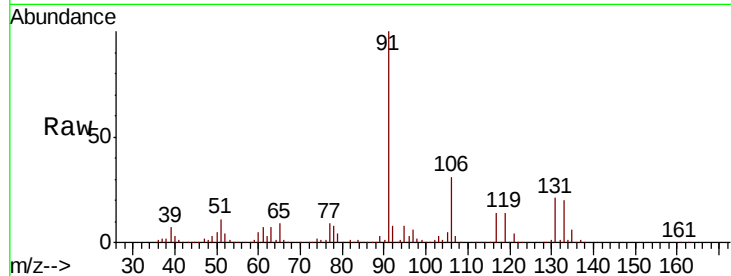




#67
Ethyl Benzene
Concen: 51.103 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

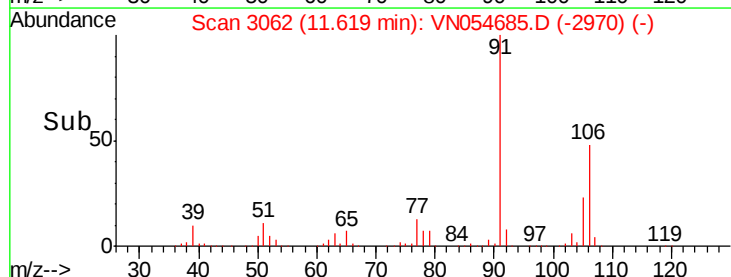
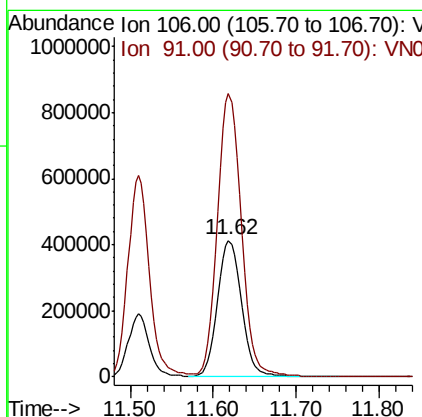
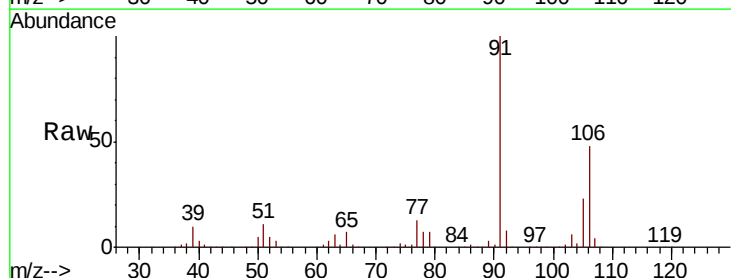
Instrument :
MSVOA_N
ClientSampled :

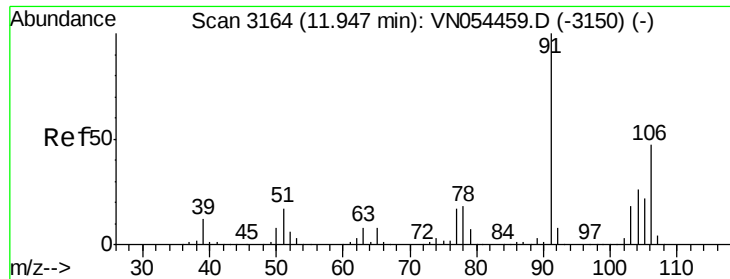
Tot Ion: 91 Resp: 1103585
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 101.918 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 106 Resp: 833666
Ion Ratio Lower Upper
106 100
91 206.3 159.4 239.2

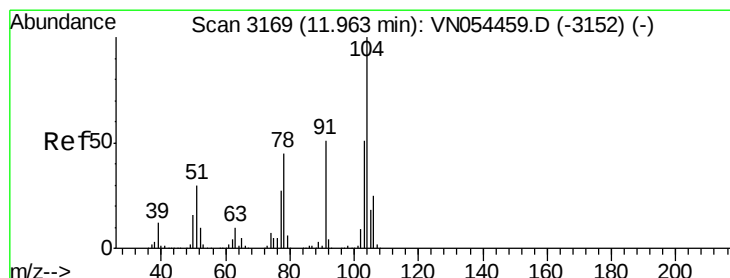
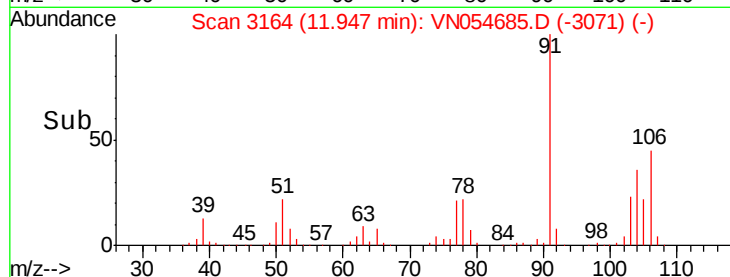
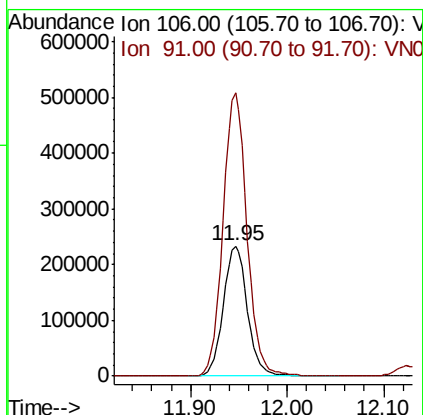
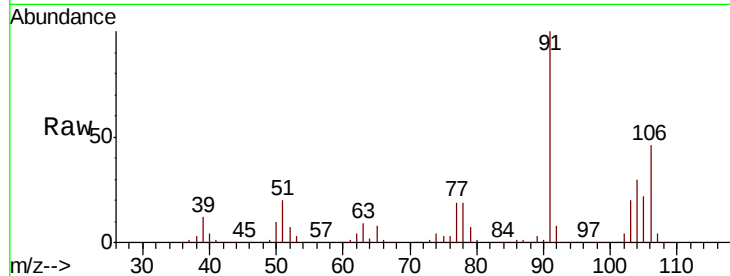




#69
o-Xylene
Concen: 50.490 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

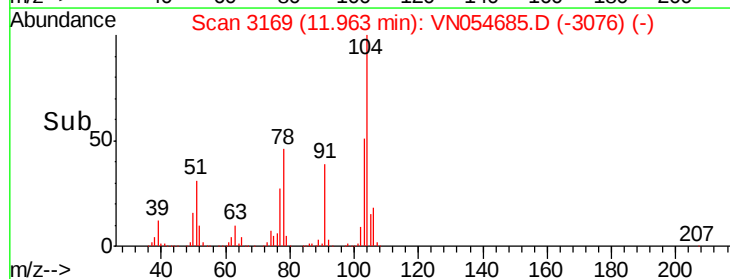
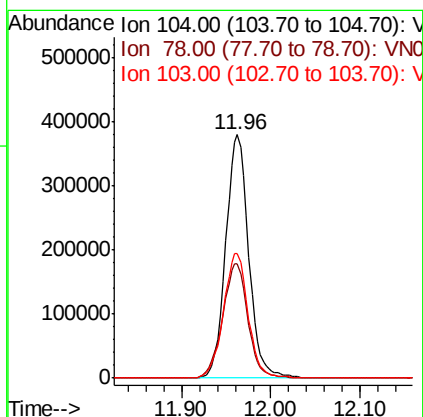
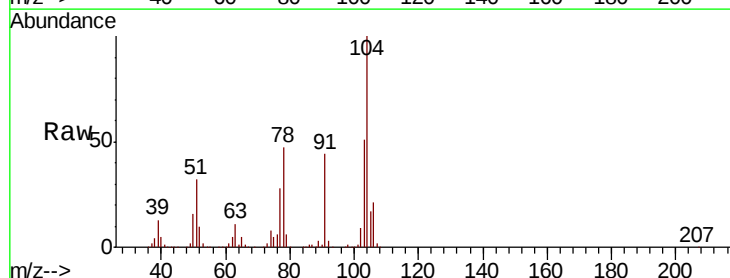
Instrument :
MSVOA_N
ClientSampled :

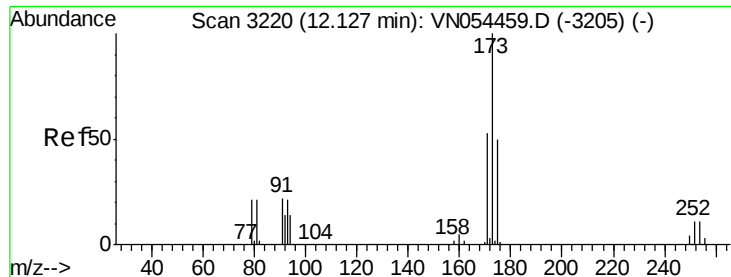
Tot Ion:106 Resp: 403327
Ion Ratio Lower Upper
106 100
91 216.3 105.7 317.1



#70
Styrene
Concen: 52.146 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion:104 Resp: 676465
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 46.379 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :

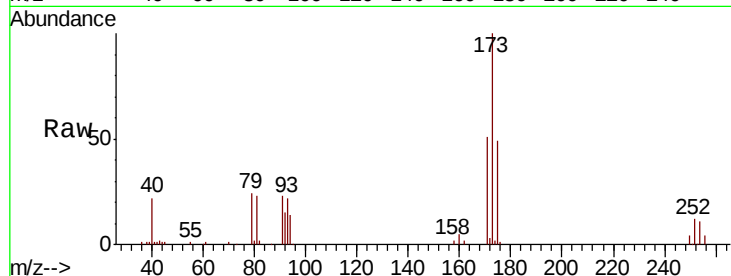
Tot Ion:173 Resp: 139797

Ion Ratio Lower Upper

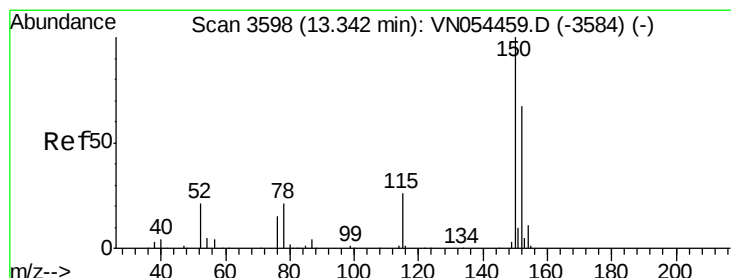
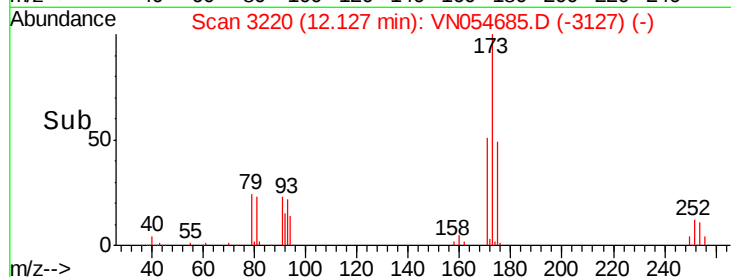
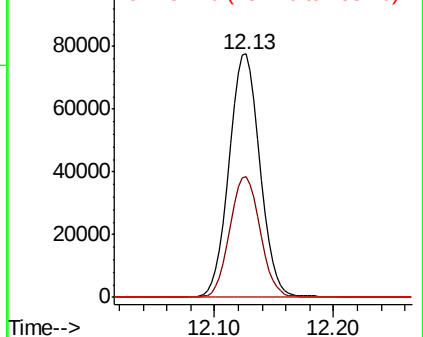
173 100

175 48.8 24.4 73.2

254 0.1 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: VN054685.D

Acq: 26 Mar 2019 9:10

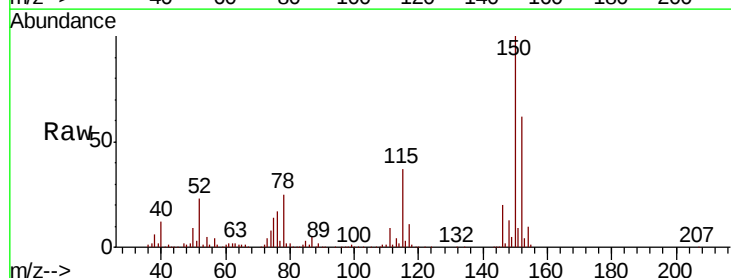
Tgt Ion:152 Resp: 274740

Ion Ratio Lower Upper

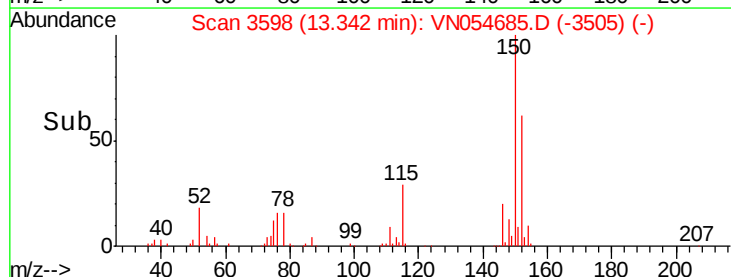
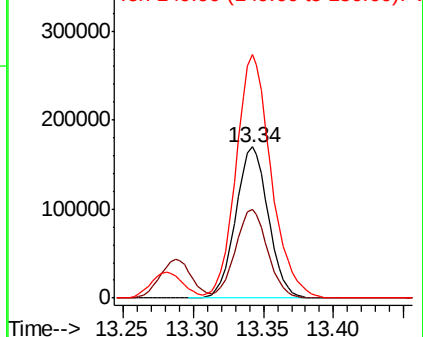
152 100

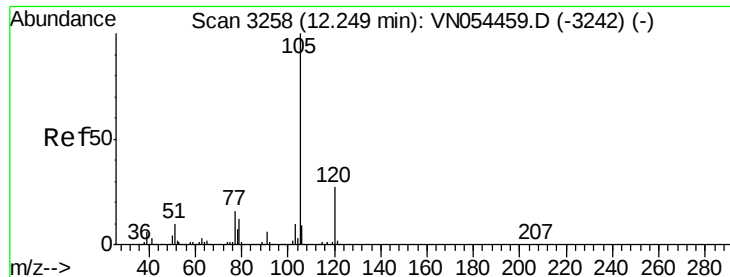
115 58.1 27.2 81.6

150 173.8 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: 48.492 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

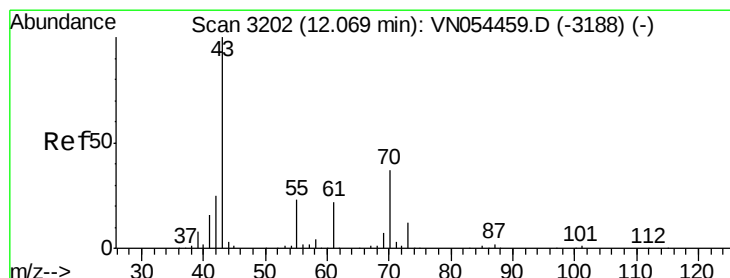
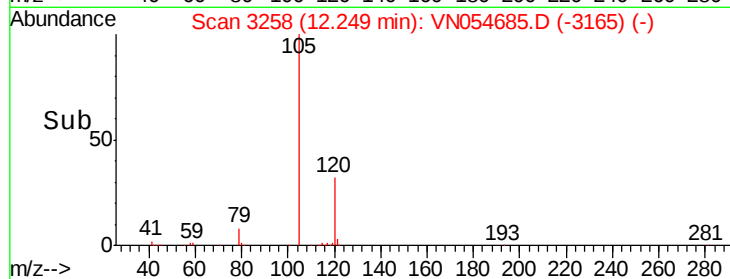
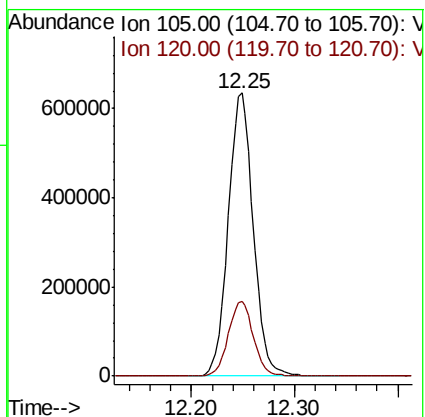
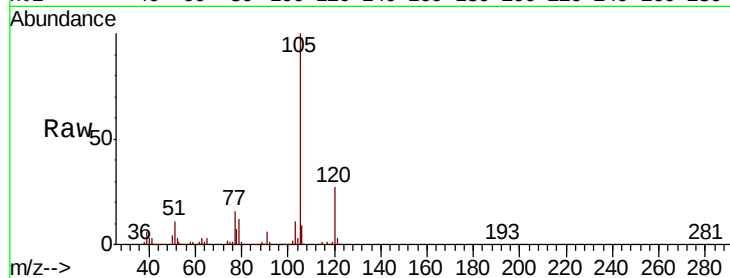
ClientSampleId :

Tot Ion:105 Resp: 1073576

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 53.672 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion: 43 Resp: 341662

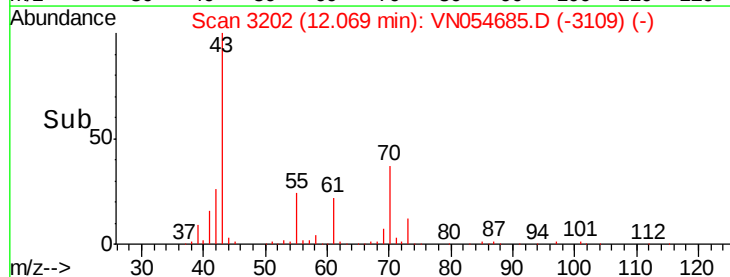
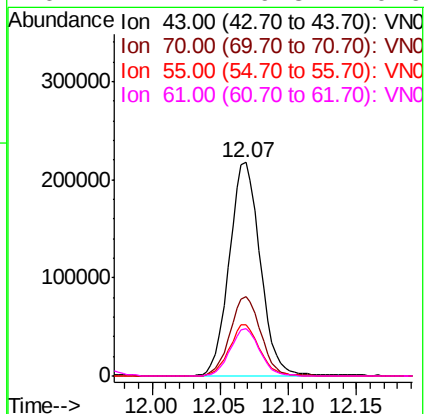
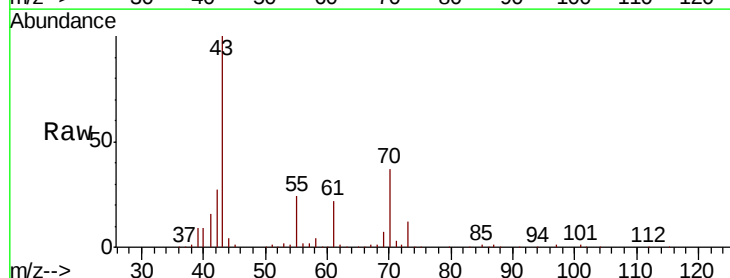
Ion Ratio Lower Upper

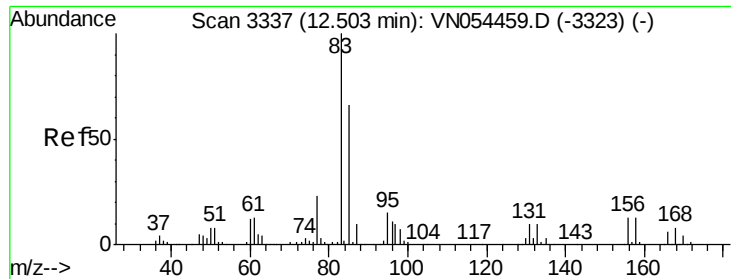
43 100

70 37.2 35.4 53.0

55 23.5 19.8 29.6

61 21.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.840 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

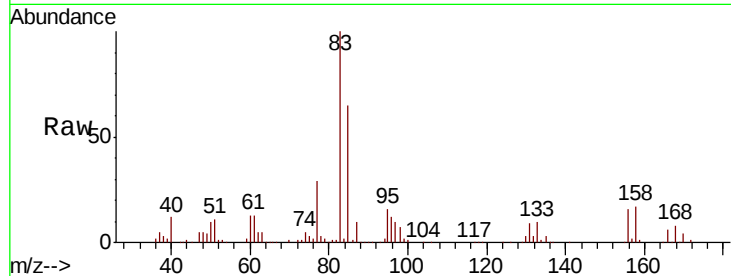
Tot Ion: 83 Resp: 251884

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

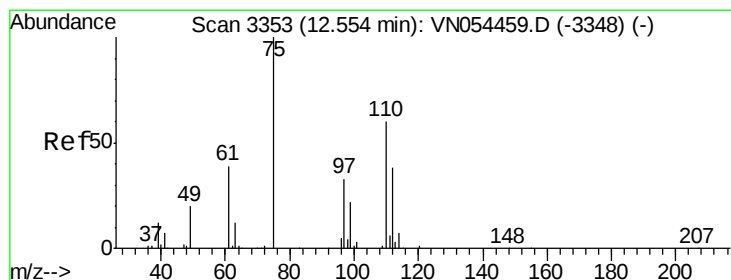
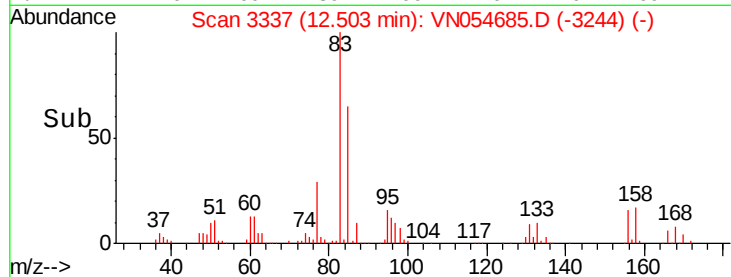
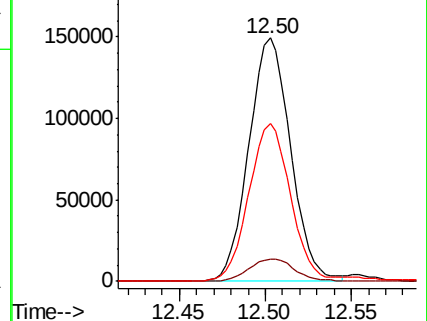
85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 70.724 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054685.D

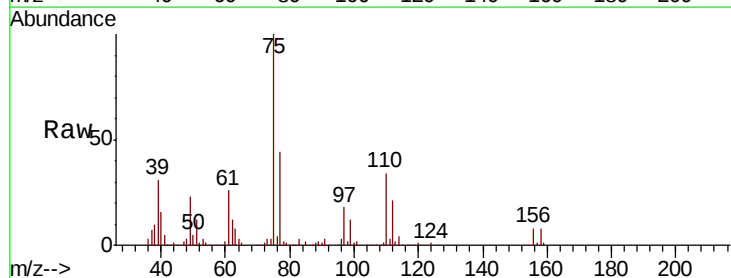
Acq: 26 Mar 2019 9:10

Tgt Ion: 75 Resp: 308334

Ion Ratio Lower Upper

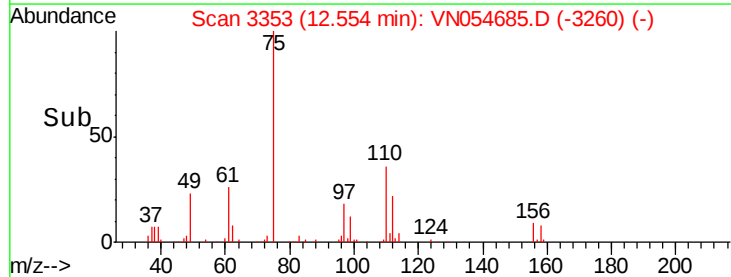
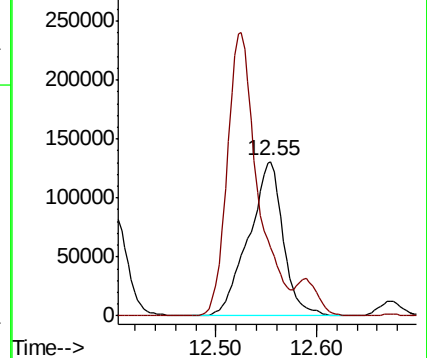
75 100

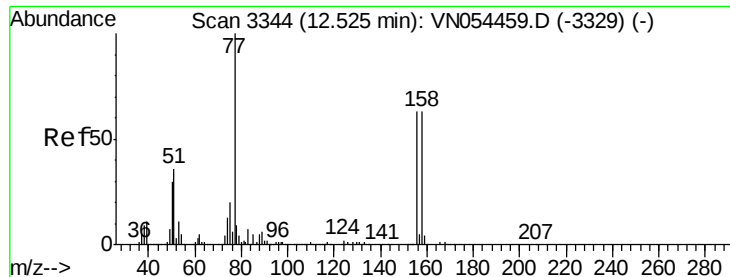
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.662 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

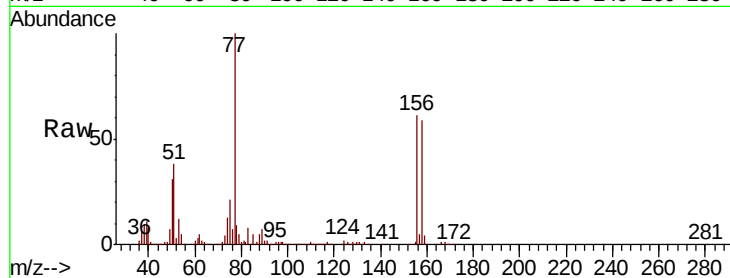
Tot Ion:156 Resp: 261705

Ion Ratio Lower Upper

156 100

77 192.9 81.5 244.4

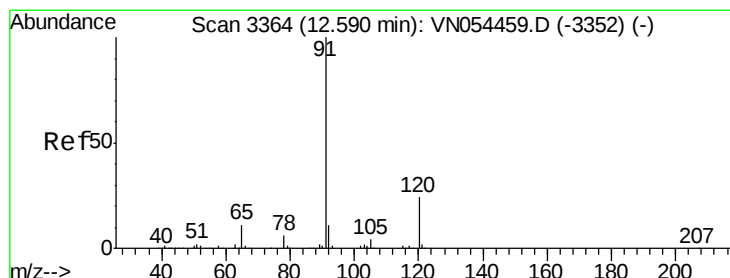
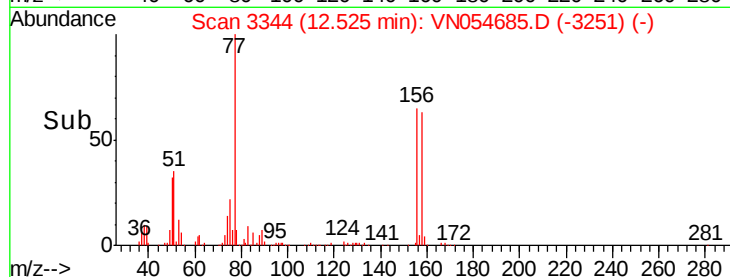
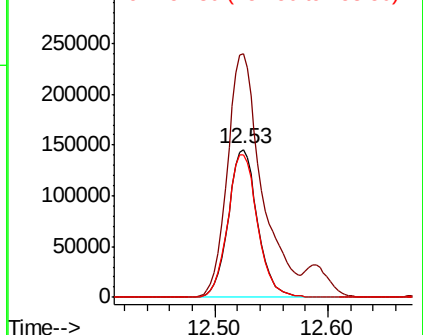
158 98.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.242 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054685.D

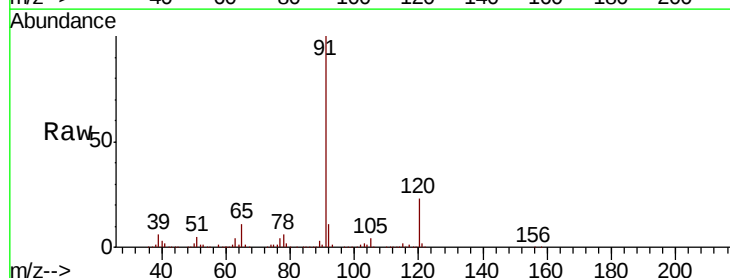
Acq: 26 Mar 2019 9:10

Tgt Ion: 91 Resp: 1230164

Ion Ratio Lower Upper

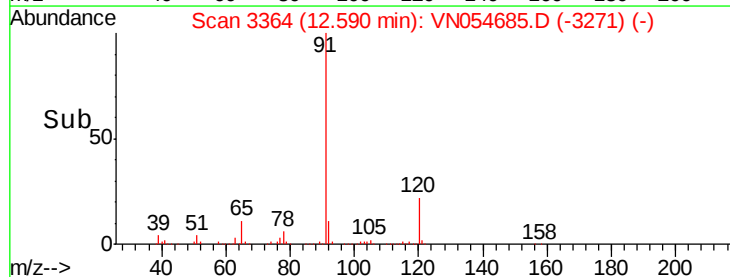
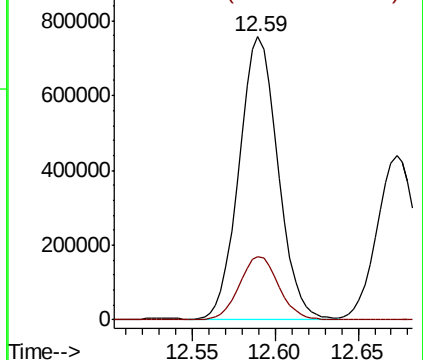
91 100

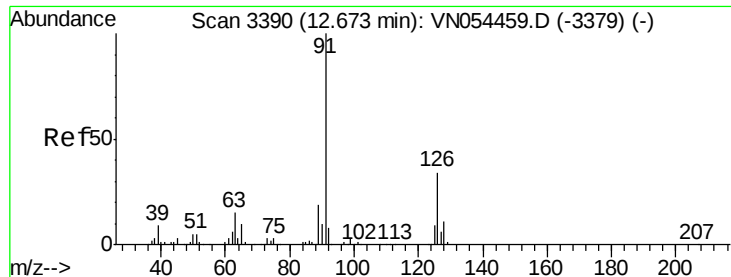
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.995 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

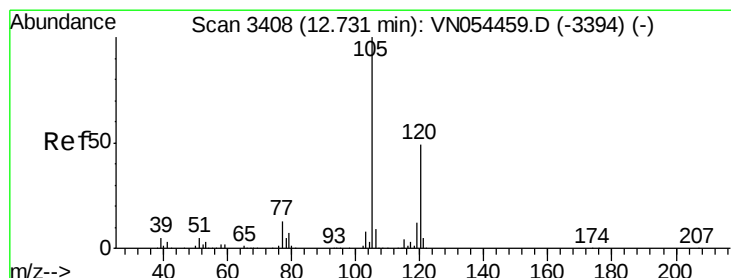
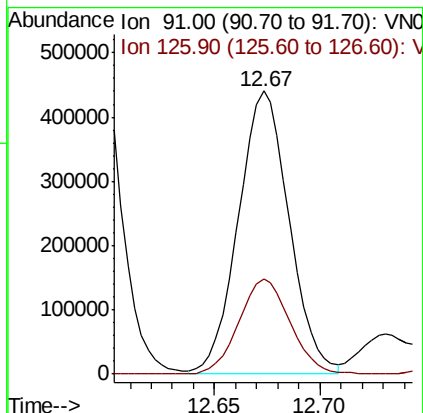
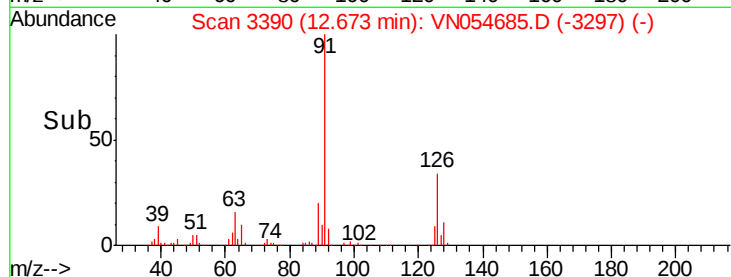
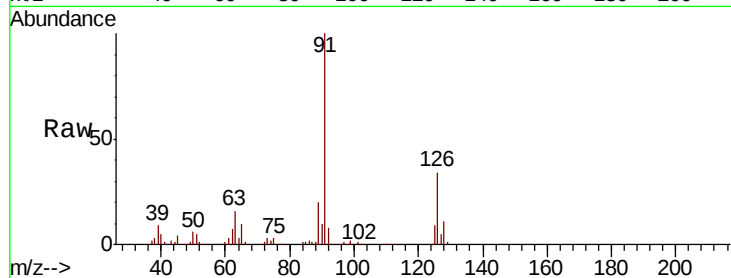
ClientSampled :

Tot Ion: 91 Resp: 733475

Ion Ratio Lower Upper

91 100

126 34.2 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 49.966 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054685.D

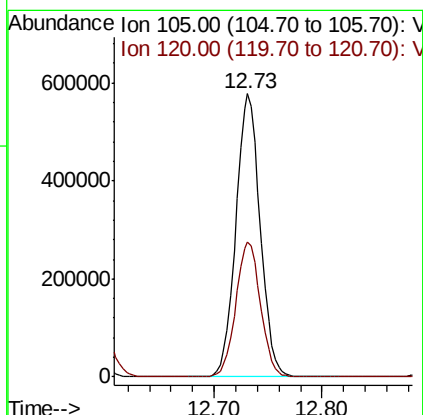
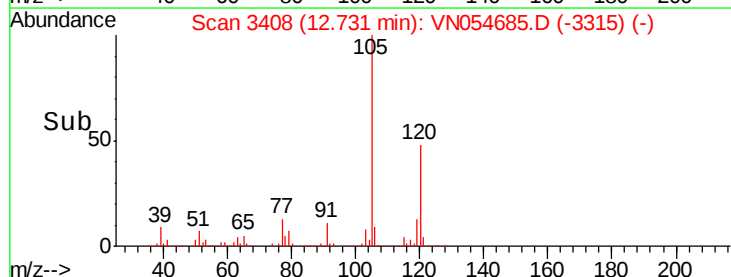
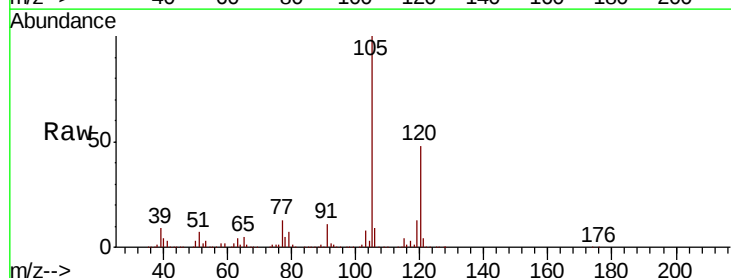
Acq: 26 Mar 2019 9:10

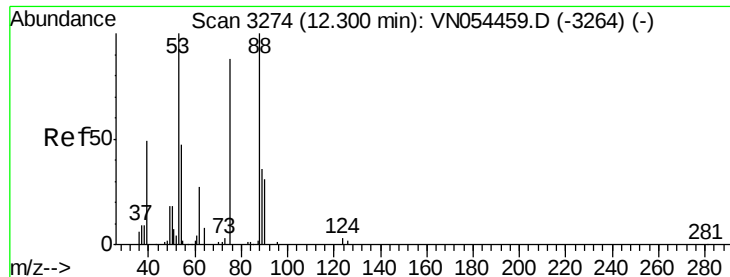
Tgt Ion: 105 Resp: 906619

Ion Ratio Lower Upper

105 100

120 48.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.859 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

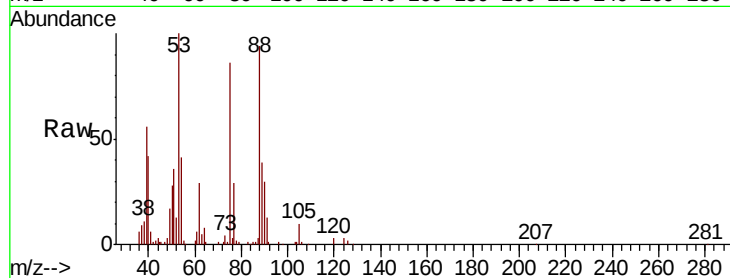
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 57641

Ion	Ratio	Lower	Upper
75	100		
53	121.8	76.2	114.2#
89	46.0	39.2	58.8

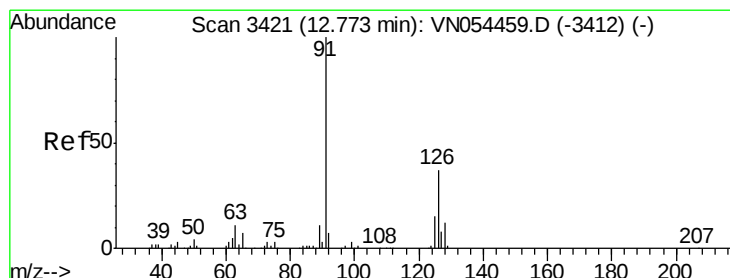
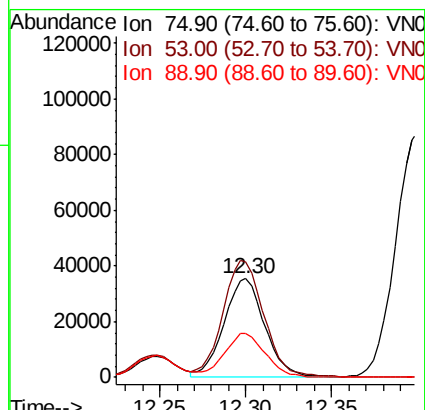
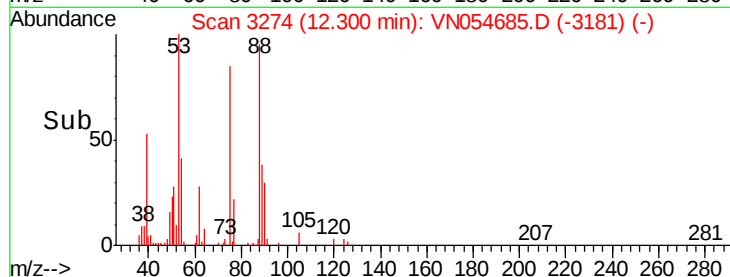


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.126 ug/l

RT: 12.77 min Scan# 3420

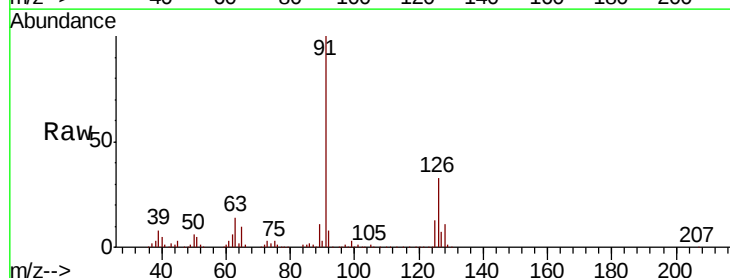
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion: 91 Resp: 741889

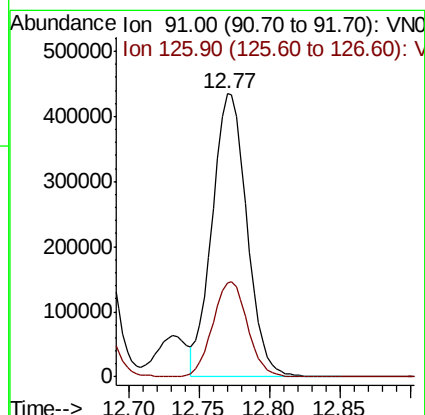
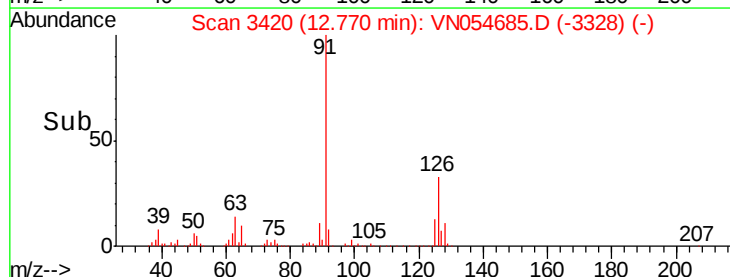
Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.1	54.1

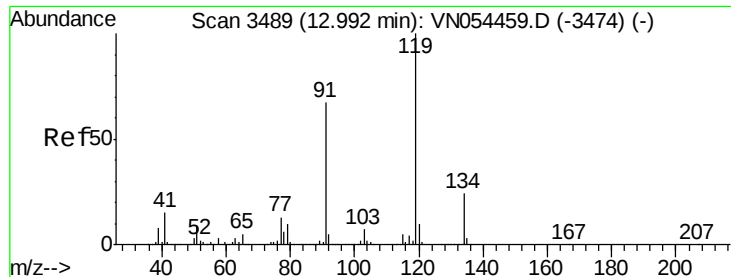


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

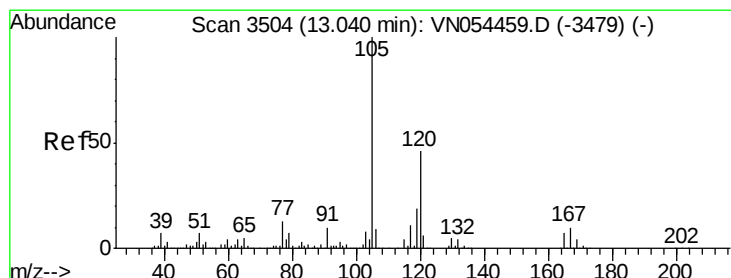
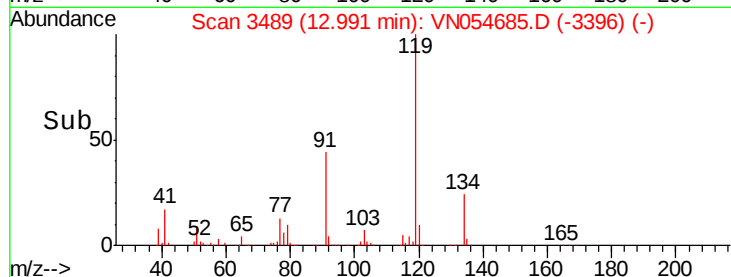
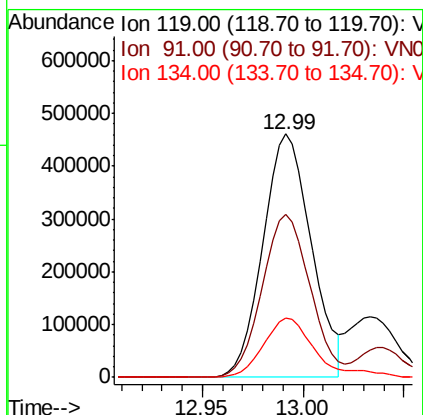
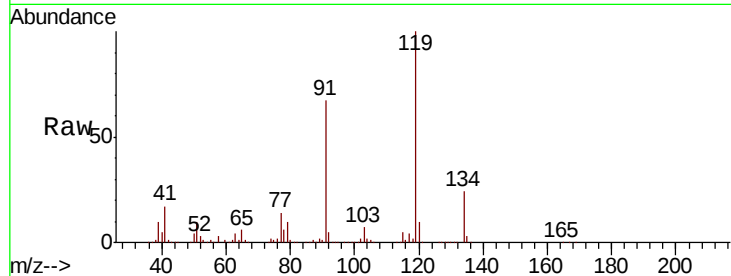




#83
 tert-Butylbenzene
 Concen: 48.636 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

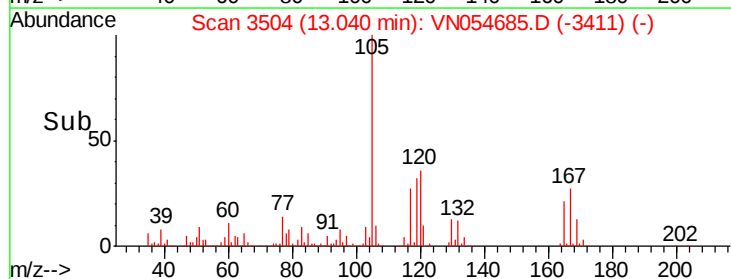
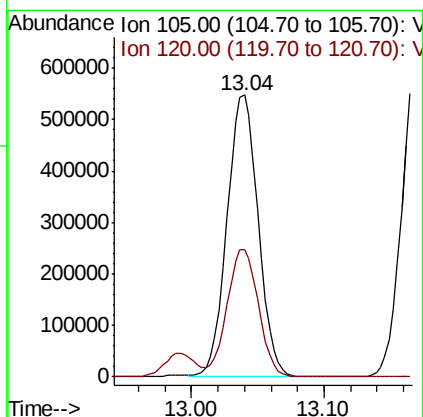
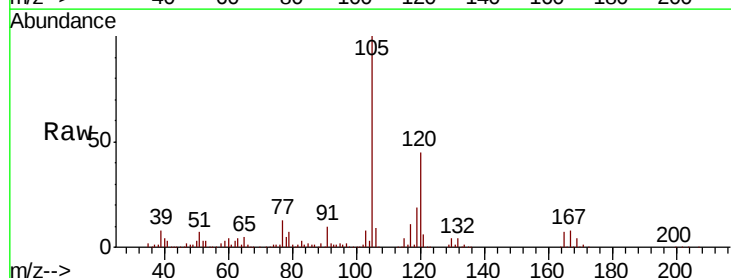
Instrument :
 MSVOA_N
 ClientSampled :

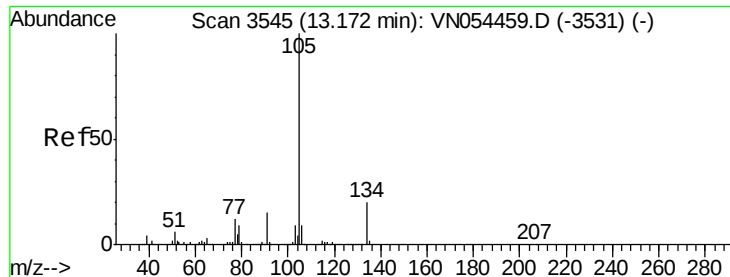
Tot Ion:119 Resp: 768172
 Ion Ratio Lower Upper
 119 100
 91 66.4 30.9 92.8
 134 26.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.228 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion:105 Resp: 894274
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 50.148 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

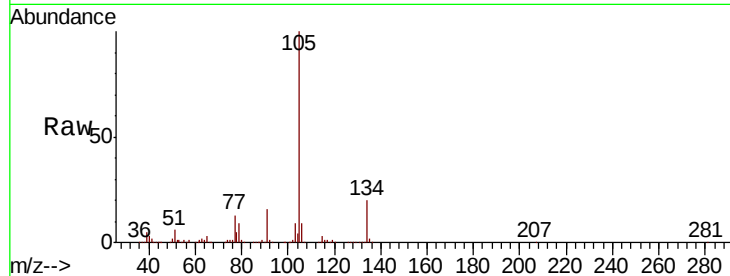
ClientSampleId :

Tot Ion:105 Resp: 987357

Ion Ratio Lower Upper

105 100

134 20.1 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

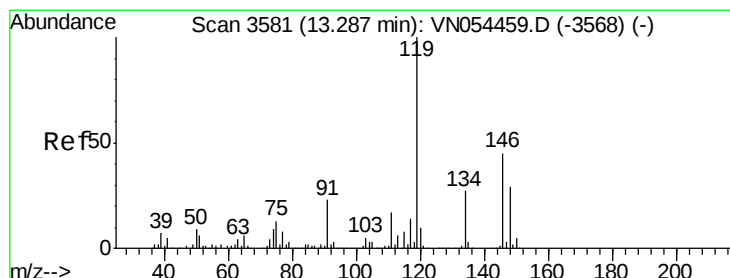
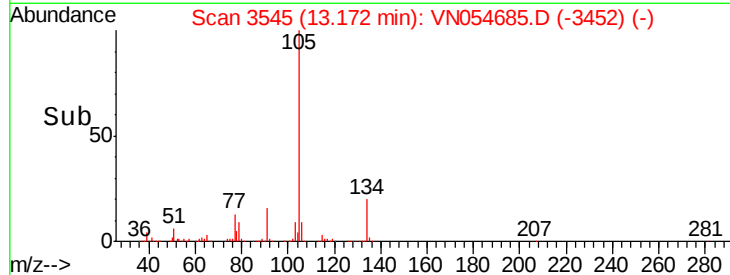
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.517 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

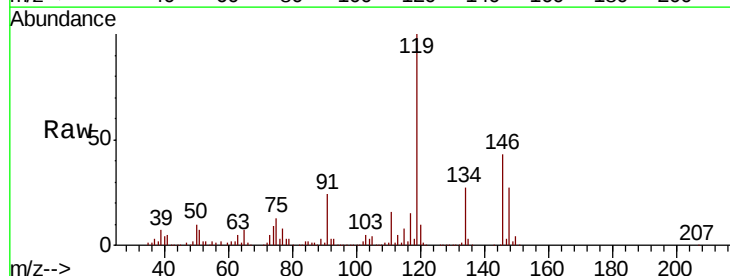
Tgt Ion:119 Resp: 889848

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.0 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

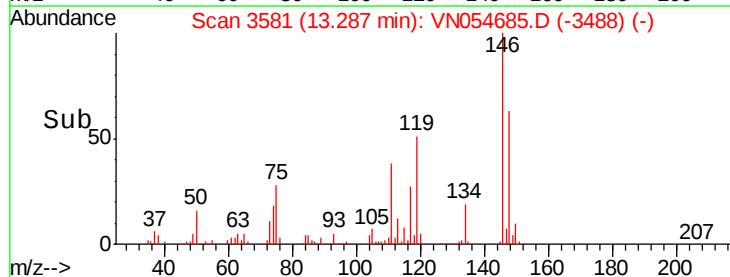
600000

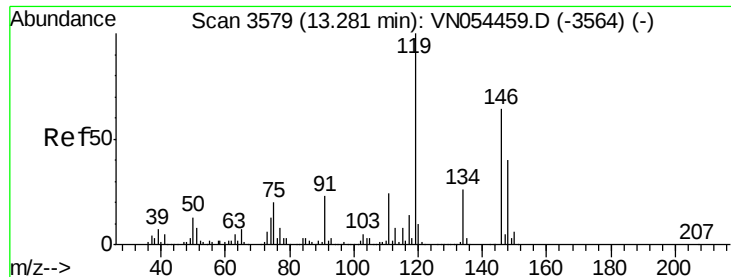
400000

200000

0

Time-->

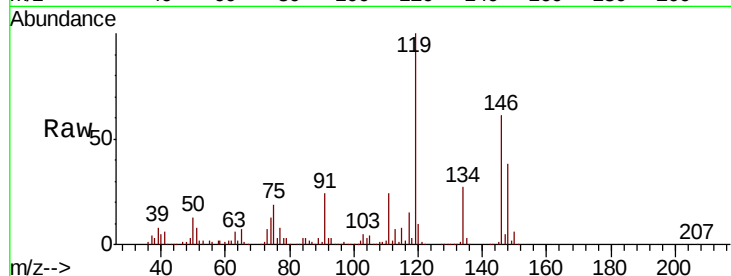




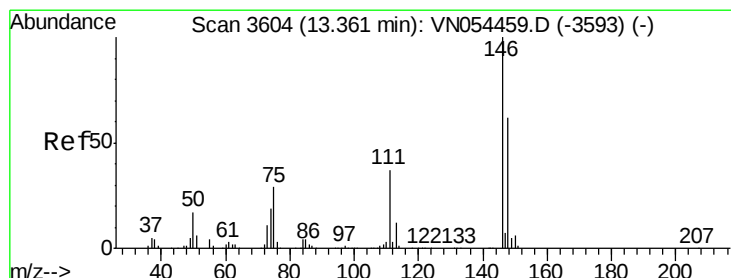
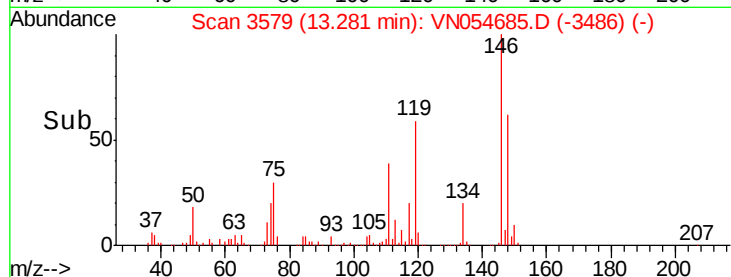
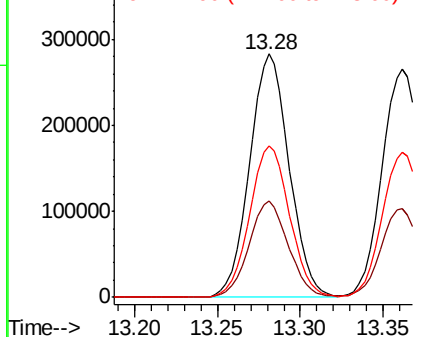
#87
 1,3-Dichlorobenzene
 Concen: 51.472 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	63.0	32.2	96.6

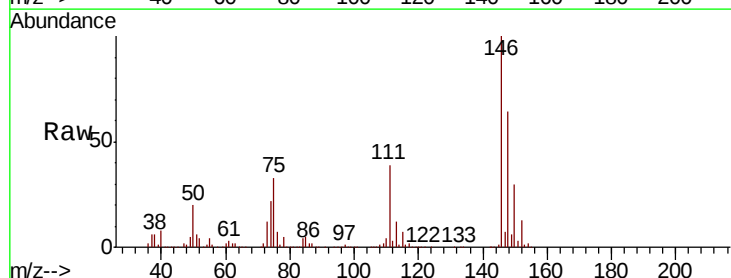


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

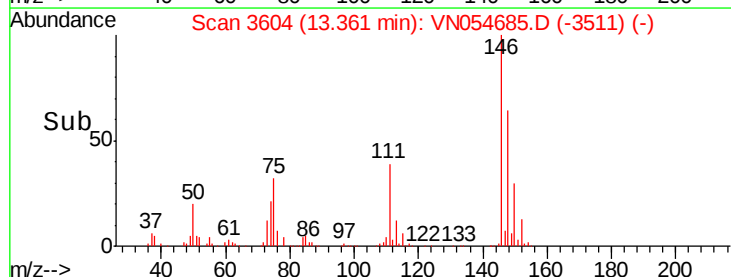
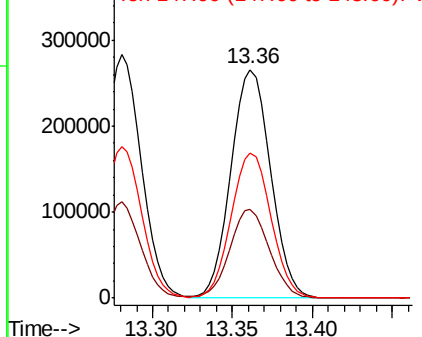


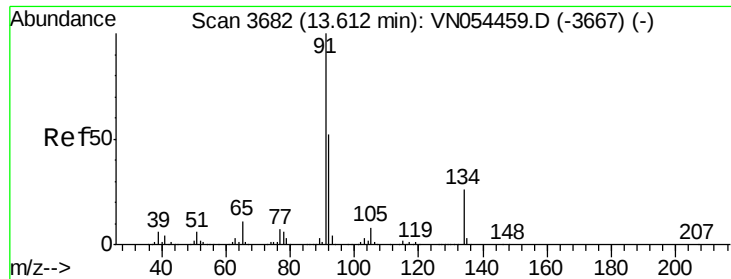
#88
 1,4-Dichlorobenzene
 Concen: 50.639 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.1	54.1
148	64.1	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

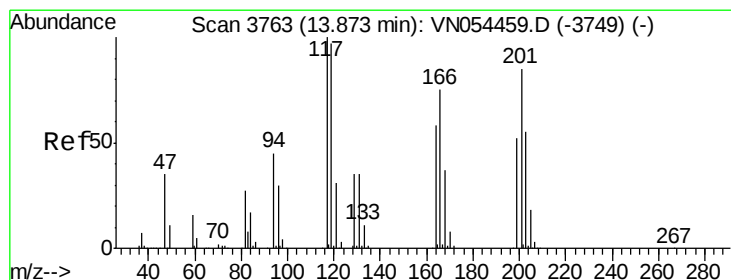
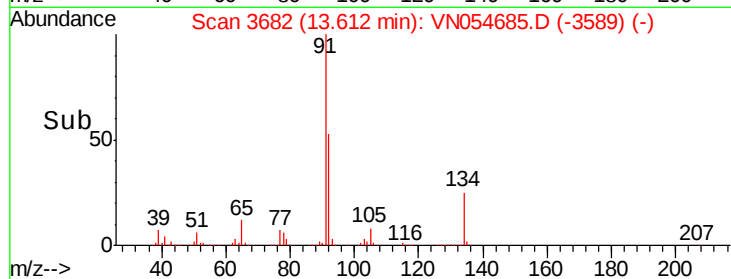
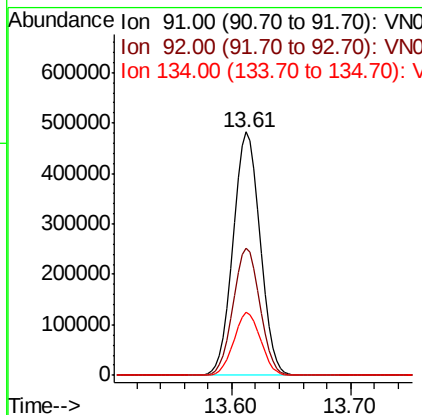
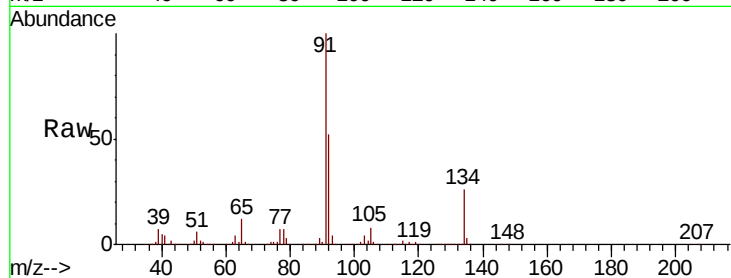




#89
n-Butylbenzene
Concen: 55.104 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

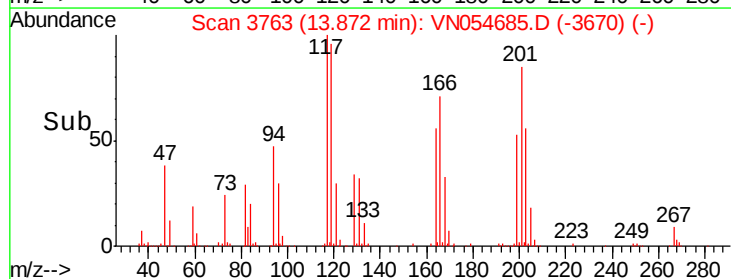
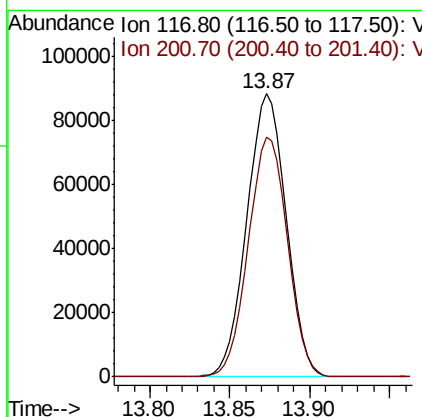
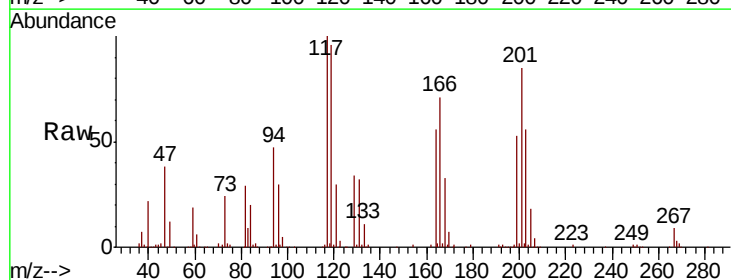
Instrument :
MSVOA_N
ClientSampled :

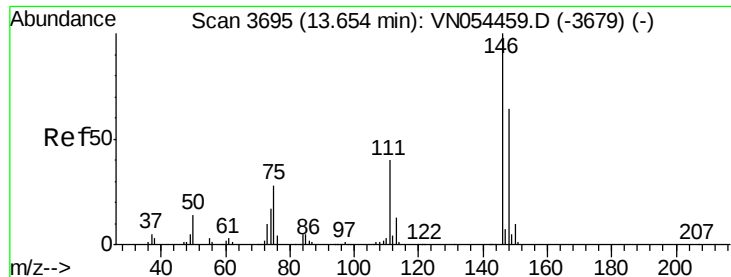
Tot Ion: 91 Resp: 758973
Ion Ratio Lower Upper
91 100
92 52.0 26.2 78.6
134 25.6 14.3 42.9



#90
Hexachloroethane
Concen: 54.353 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 117 Resp: 148612
Ion Ratio Lower Upper
117 100
201 84.6 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 50.690 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

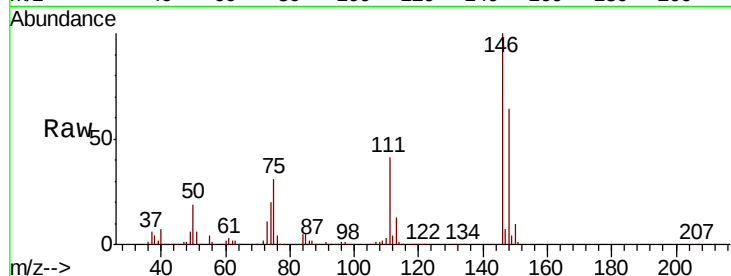
Tot Ion:146 Resp: 446749

Ion Ratio Lower Upper

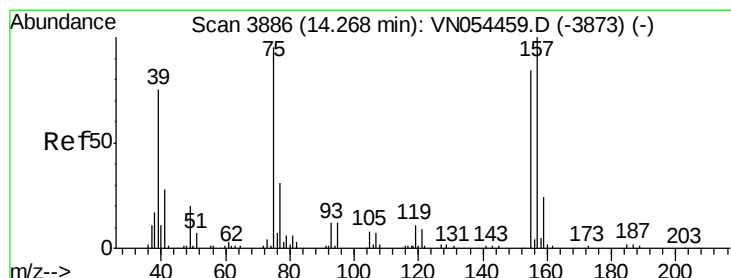
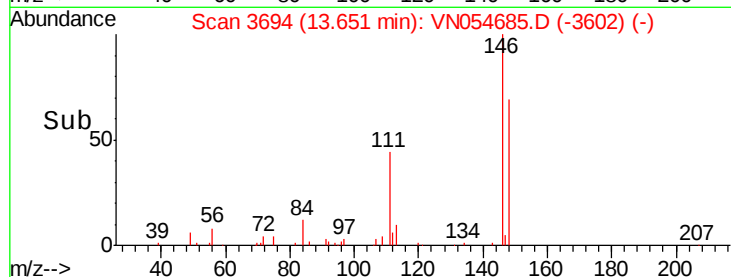
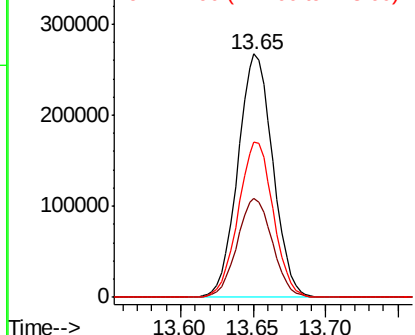
146 100

111 41.1 19.1 57.3

148 63.8 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.927 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

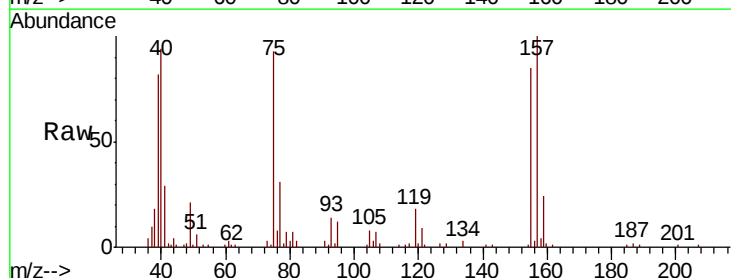
Tgt Ion: 75 Resp: 37751

Ion Ratio Lower Upper

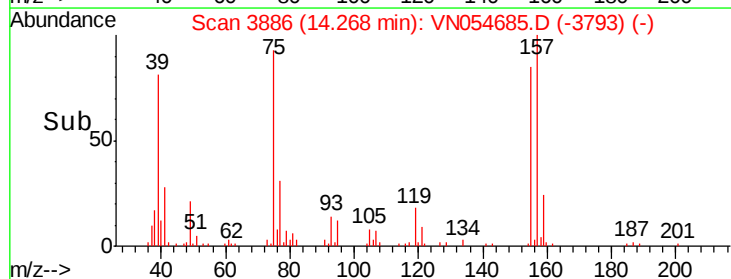
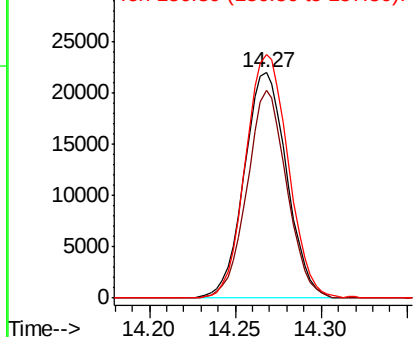
75 100

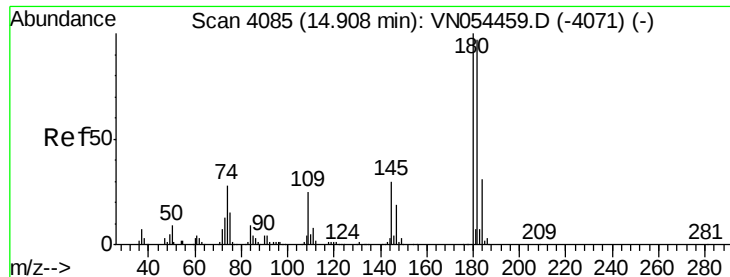
155 85.8 50.1 150.3

157 108.4 63.1 189.3



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

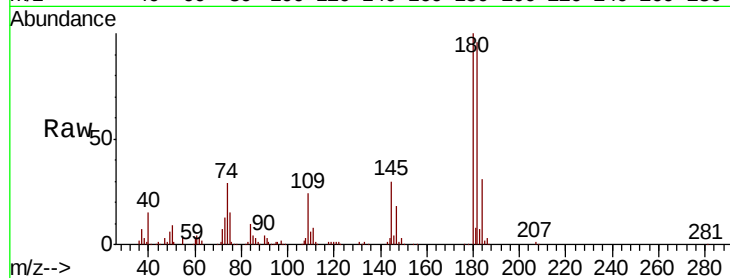




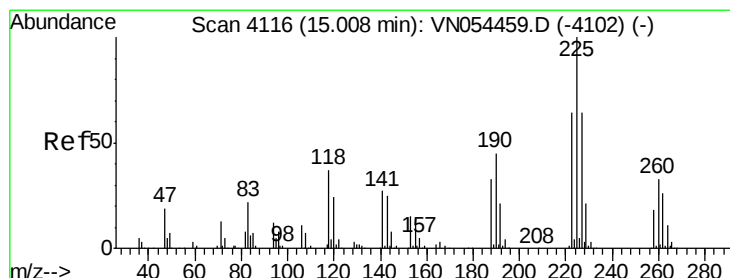
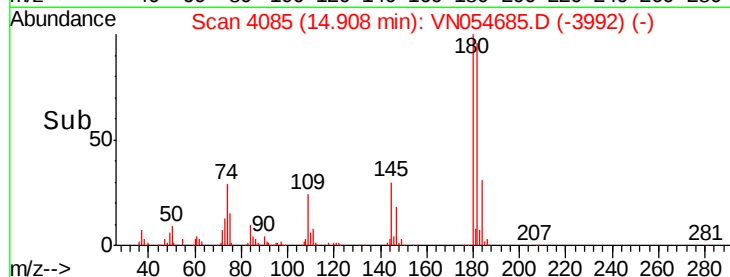
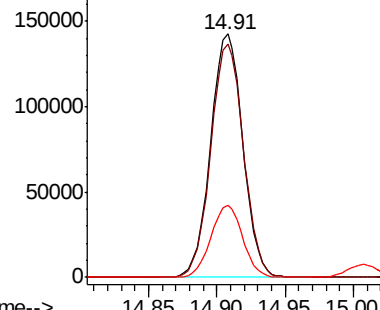
#93
 1,2,4-Trichlorobenzene
 Concen: 53.264 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	29.1	14.2	42.8

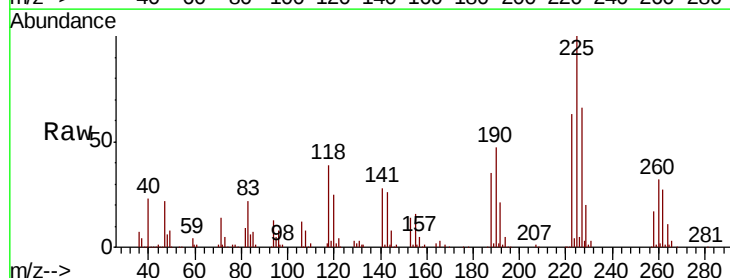


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

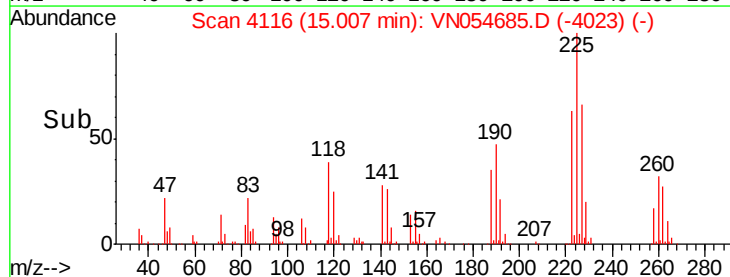
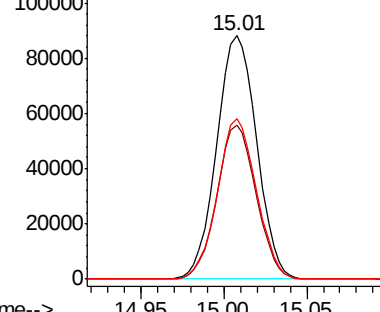


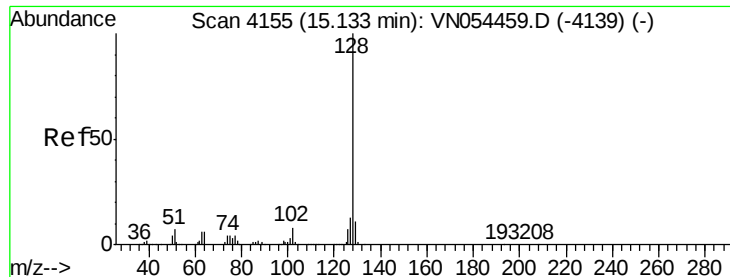
#94
 Hexachlorobutadiene
 Concen: 60.552 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.5
227	64.0	31.9	95.9



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





#95

Naphthalene

Concen: 48.878 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

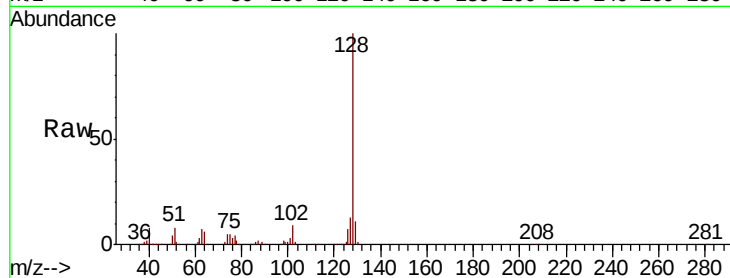
Tot Ion:128 Resp: 479001

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

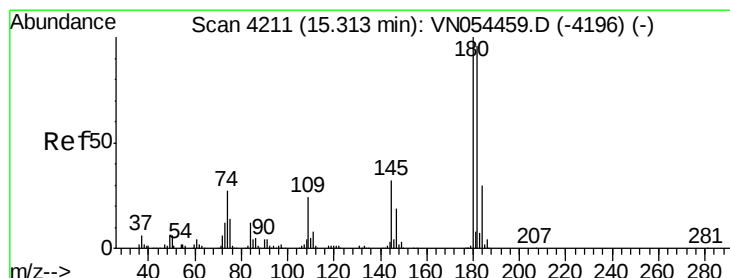
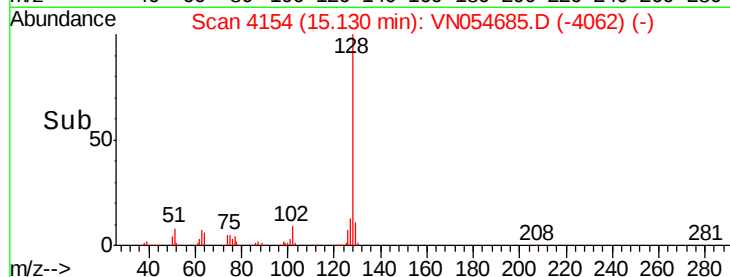
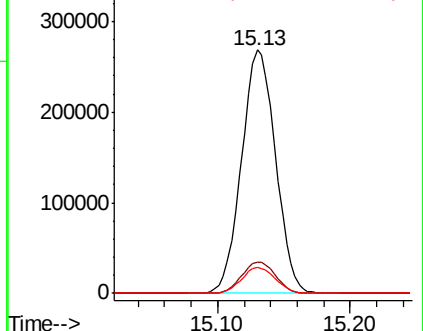
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.706 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

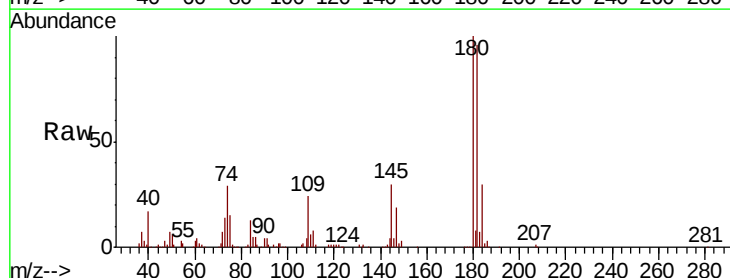
Tgt Ion:180 Resp: 221725

Ion Ratio Lower Upper

180 100

182 96.8 47.5 142.6

145 30.6 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

