

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054594.D
 Acq On : 23 Mar 2019 8:45
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 01:53:17 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	462299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	780050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	674428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	334432	58.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	116.32%		
35) Dibromofluoromethane	7.59	113	261114	51.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.92%		
50) Toluene-d8	10.09	98	972617	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.96%		
62) 4-Bromofluorobenzene	12.40	95	331356	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.08%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	230205	52.089	ug/l	98
3) Chloromethane	2.06	50	327548	54.473	ug/l	99
4) Vinyl Chloride	2.19	62	302882	50.170	ug/l	97
5) Bromomethane	2.57	94	165024	42.273	ug/l	96
6) Chloroethane	2.71	64	168022	46.402	ug/l	99
7) Trichlorofluoromethane	3.02	101	358985	48.964	ug/l	97
8) Diethyl Ether	3.41	74	134528	47.711	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	183861	42.671	ug/l	93
10) Methyl Iodide	3.94	142	288427	45.506	ug/l	91
11) Tert butyl alcohol	4.82	59	105097	301.887	ug/l	100
12) 1,1-Dichloroethene	3.73	96	193960	43.498	ug/l #	75
13) Acrolein	3.61	56	109567	228.061	ug/l	97
14) Allyl chloride	4.32	41	446464	53.172	ug/l #	90
15) Acrylonitrile	5.00	53	550400	317.476	ug/l	100
16) Acetone	3.82	43	382737	221.386	ug/l #	85
17) Carbon Disulfide	4.04	76	511768	42.834	ug/l	99
18) Methyl Acetate	4.33	43	244591	63.475	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	752830	57.850	ug/l	96
20) Methylene Chloride	4.54	84	272349	53.441	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	249697	54.840	ug/l #	84
22) Diisopropyl ether	5.96	45	989769	59.760	ug/l #	91
23) Vinyl Acetate	5.90	43	3576732	305.772	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	511211	57.326	ug/l	97
25) 2-Butanone	6.85	43	685474	309.523	ug/l	90
26) 2,2-Dichloropropane	6.82	77	207548	32.649	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	289670	53.337	ug/l	91
28) Bromochloromethane	7.19	49	259980	59.228	ug/l #	72
29) Tetrahydrofuran	7.22	42	477692	332.391	ug/l #	84
30) Chloroform	7.37	83	489735	56.273	ug/l	99
31) Cyclohexane	7.65	56	464170	54.487	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	394998	55.014	ug/l	96
36) 1,1-Dichloropropene	7.79	75	360344	49.406	ug/l	96
37) Ethyl Acetate	6.94	43	308476	59.466	ug/l	96
38) Carbon Tetrachloride	7.77	117	332473	46.909	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380275	45.580	ug/l	89
40) Benzene	8.04	78	1094107	52.459	ug/l	99
41) Methacrylonitrile	7.18	41	172674	54.582	ug/l	89
42) 1,2-Dichloroethane	8.13	62	399435	52.589	ug/l	97
43) Isopropyl Acetate	8.17	43	521872	59.569	ug/l #	94
44) Trichloroethene	8.84	130	286145	49.349	ug/l	95
45) 1,2-Dichloropropane	9.12	63	308816	55.142	ug/l	98
46) Dibromomethane	9.21	93	177931	53.256	ug/l	91
47) Bromodichloromethane	9.40	83	359127	51.794	ug/l	97
48) Methyl methacrylate	9.20	41	270808	56.952	ug/l	86
49) 1,4-Dioxane	9.20	88	58662	1103.529	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1503657	309.696	ug/l	94
52) Toluene	10.16	92	654892	51.053	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	325047	44.688	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	397284	49.971	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	245165	53.169	ug/l	96
56) Ethyl methacrylate	10.43	69	352409	56.942	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	436728	54.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	667549	261.941	ug/l	90
59) 2-Hexanone	10.75	43	947456	298.750	ug/l	92
60) Dibromochloromethane	10.90	129	248125	50.570	ug/l	99
61) 1,2-Dibromoethane	11.01	107	243446	53.404	ug/l	99
64) Tetrachloroethene	10.63	164	282601	50.518	ug/l	95
65) Chlorobenzene	11.43	112	697017	50.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	255762	51.947	ug/l	99
67) Ethyl Benzene	11.51	91	1233752	50.918	ug/l	98
68) m/p-Xylenes	11.62	106	908169	98.952	ug/l	95
69) o-Xylene	11.95	106	444881	49.635	ug/l	94
70) Styrene	11.96	104	749365	51.484	ug/l	97
71) Bromoform	12.13	173	151436	44.853	ug/l #	100
73) Isopropylbenzene	12.25	105	1176346	49.304	ug/l	99
74) N-amyl acetate	12.07	43	422707	61.616	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	302681	55.574	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	363128	77.287	ug/l #	100
77) Bromobenzene	12.53	156	293318	49.569	ug/l	85
78) n-propylbenzene	12.59	91	1292502	49.958	ug/l	96
79) 2-Chlorotoluene	12.67	91	795180	49.287	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	959428	49.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52072	38.955	ug/l #	72
82) 4-Chlorotoluene	12.77	91	777439	49.713	ug/l	96
83) tert-Butylbenzene	12.99	119	835410	49.080	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	951620	49.596	ug/l	98
85) sec-Butylbenzene	13.17	105	1036941	48.870	ug/l	98
86) p-Isopropyltoluene	13.29	119	923668	48.657	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	483439	49.300	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	476430	49.935	ug/l	98
89) n-Butylbenzene	13.62	91	734271	49.467	ug/l	98
90) Hexachloroethane	13.87	117	143179	48.591	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	483872	50.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45384	56.811	ug/l	85

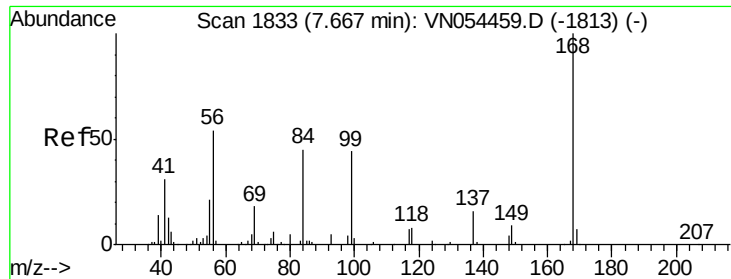
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	248778	52.542	ug/l	99
94) Hexachlorobutadiene	15.01	225	137009	51.580	ug/l	99
95) Naphthalene	15.13	128	606039	57.383	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	252088	53.494	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

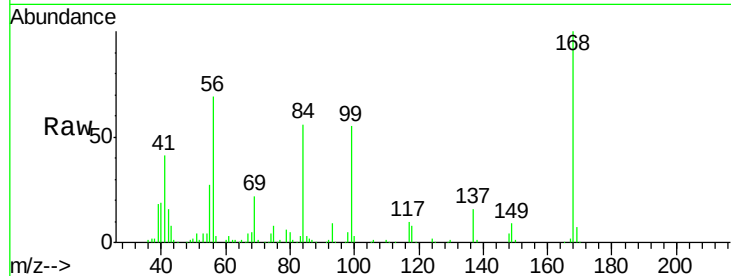
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 462299

Ion Ratio Lower Upper

168 100

99 54.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

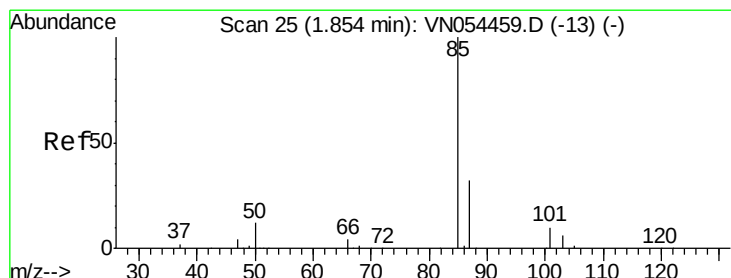
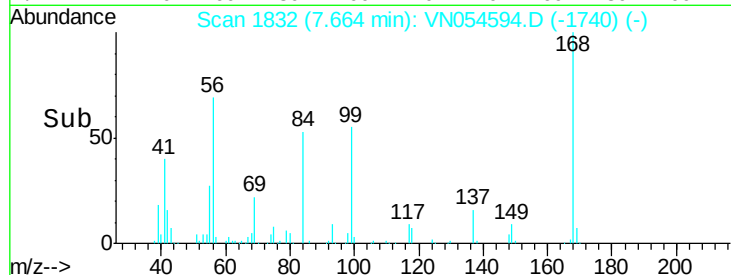
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 52.089 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054594.D

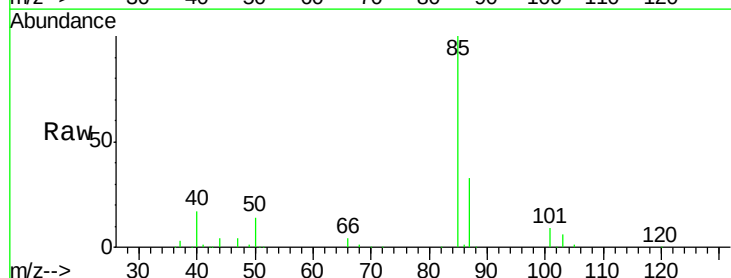
Acq: 23 Mar 2019 8:45

Tgt Ion: 85 Resp: 230205

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

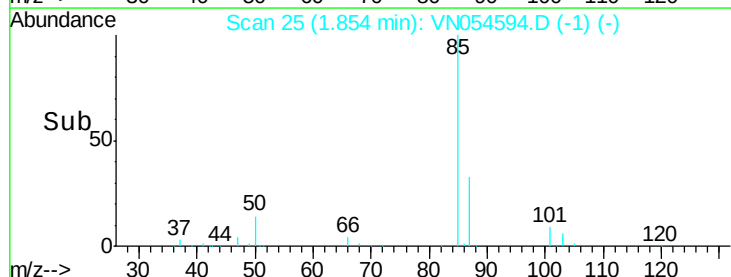
150000

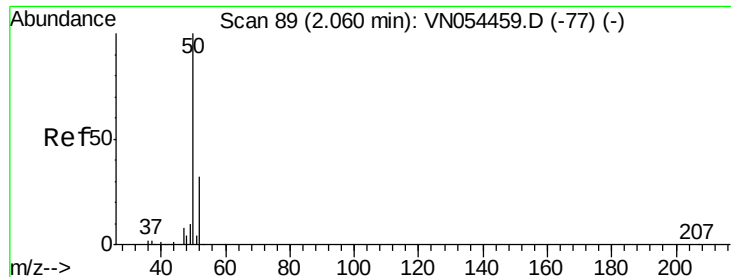
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 54.473 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

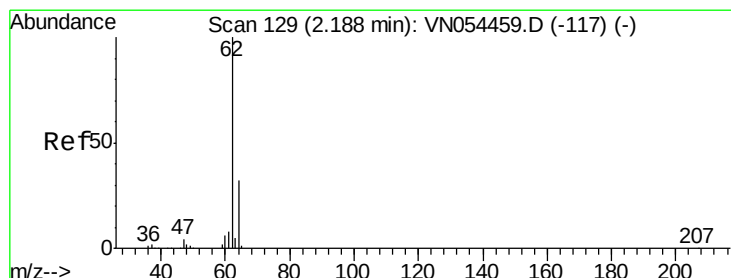
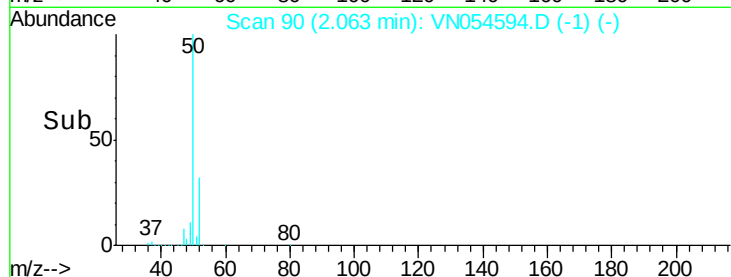
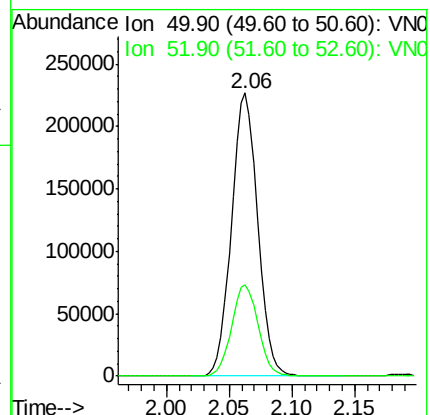
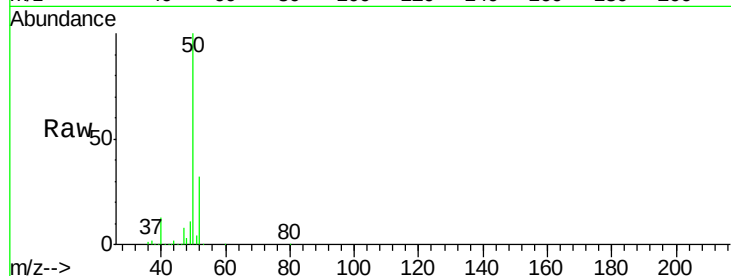
ClientSampled :

Tot Ion: 50 Resp: 327548

Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6



#4

Vinyl Chloride

Concen: 50.170 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054594.D

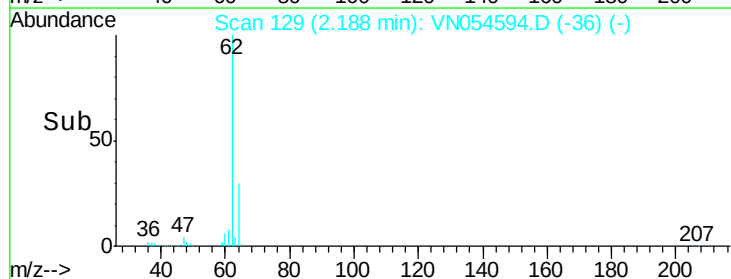
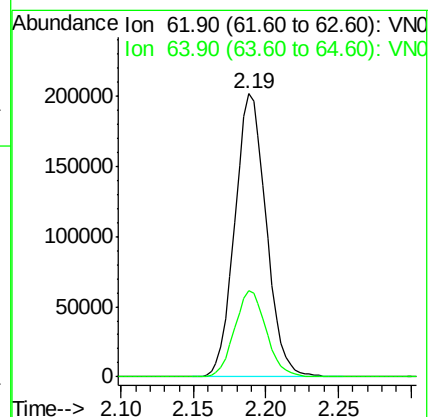
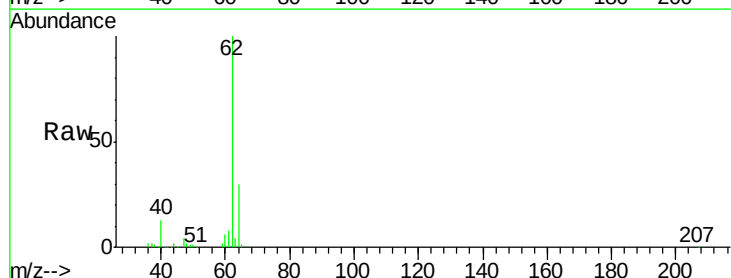
Acq: 23 Mar 2019 8:45

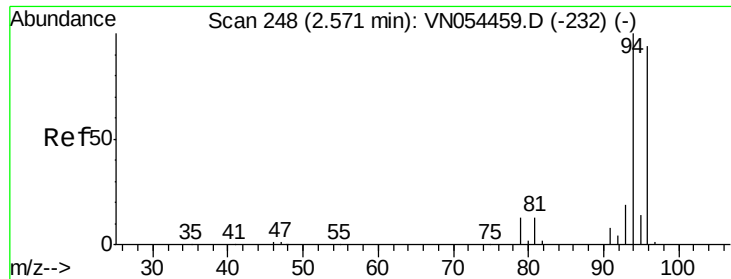
Tgt Ion: 62 Resp: 302882

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 42.273 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

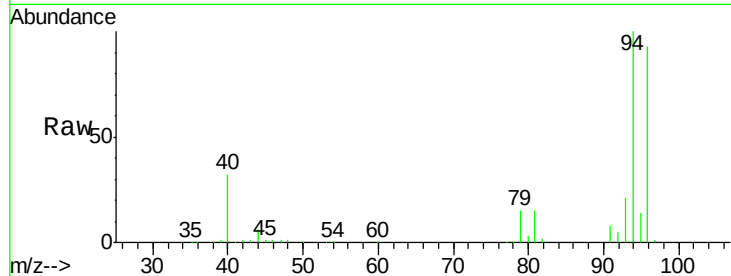
ClientSampleId :

Tot Ion: 94 Resp: 165024

Ion Ratio Lower Upper

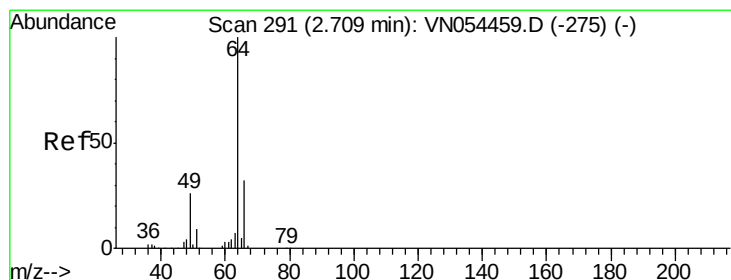
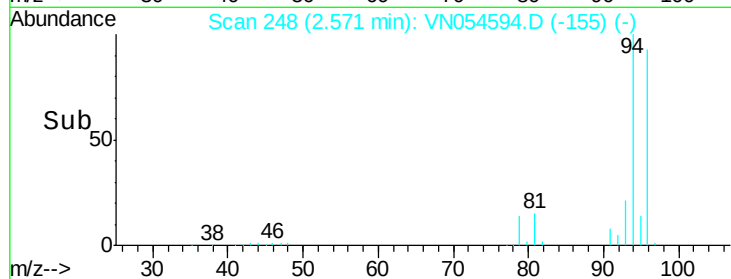
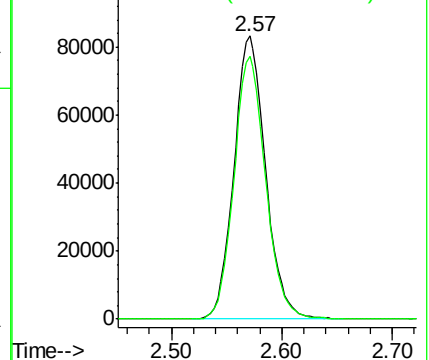
94 100

96 92.7 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: 46.402 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054594.D

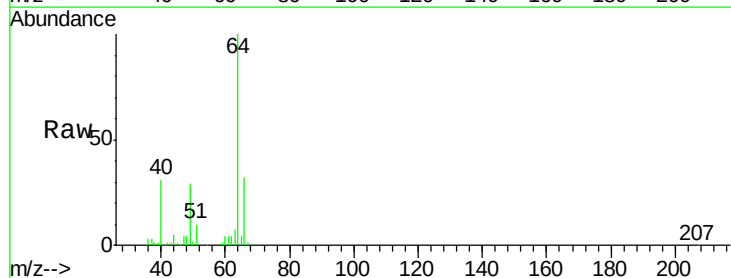
Acq: 23 Mar 2019 8:45

Tgt Ion: 64 Resp: 168022

Ion Ratio Lower Upper

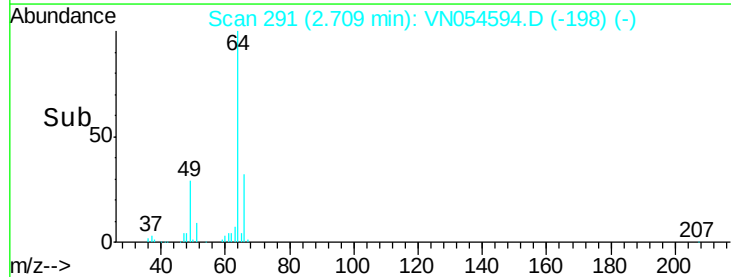
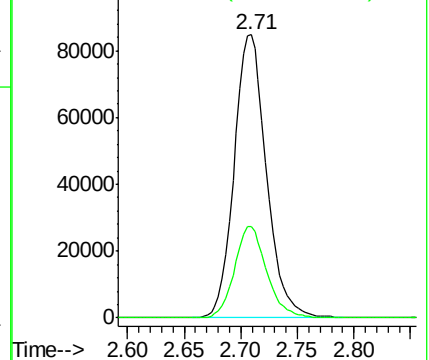
64 100

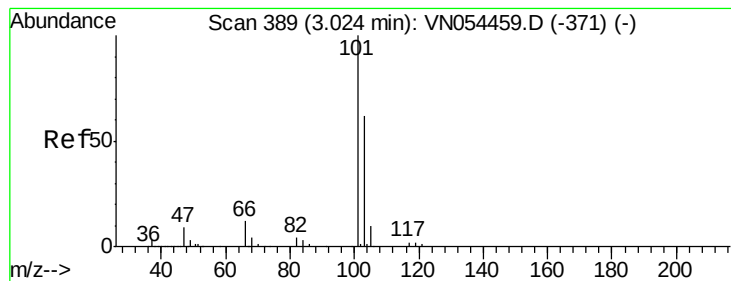
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



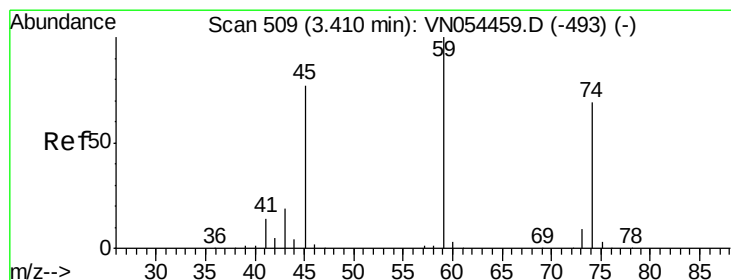
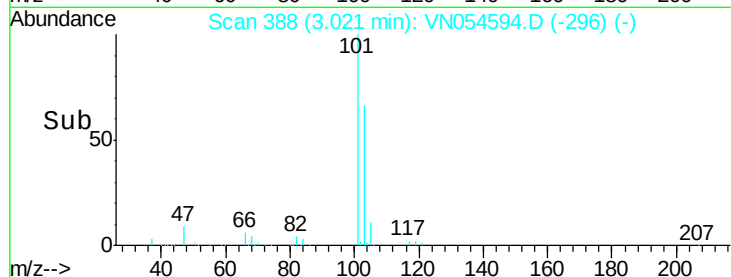
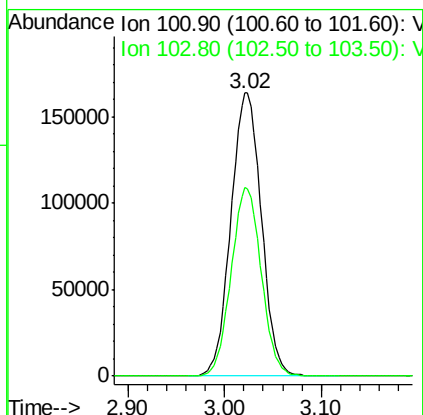
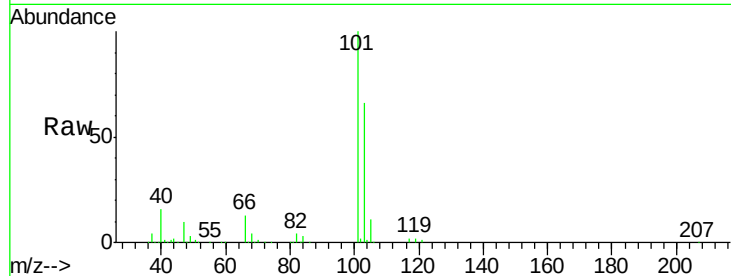


#7

Trichlorofluoromethane
 Concen: 48.964 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampled :

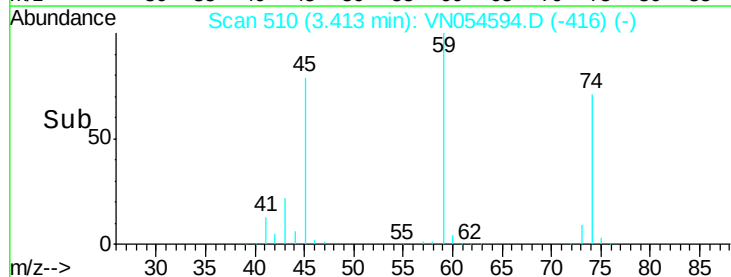
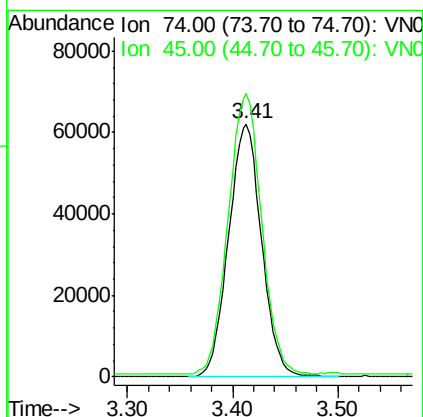
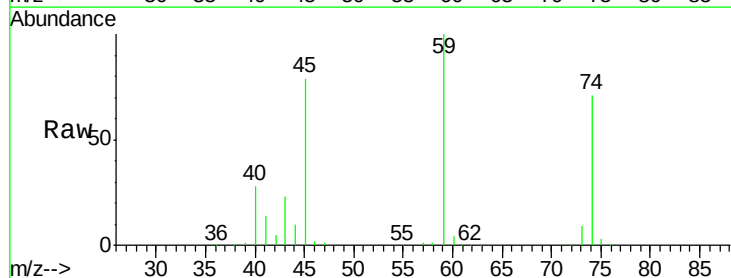
Tot Ion:101 Resp: 358985
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.4 77.2

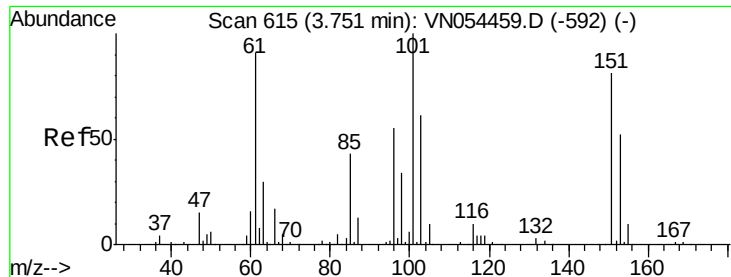


#8

Diethyl Ether
 Concen: 47.711 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 74 Resp: 134528
 Ion Ratio Lower Upper
 74 100
 45 112.7 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.671 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

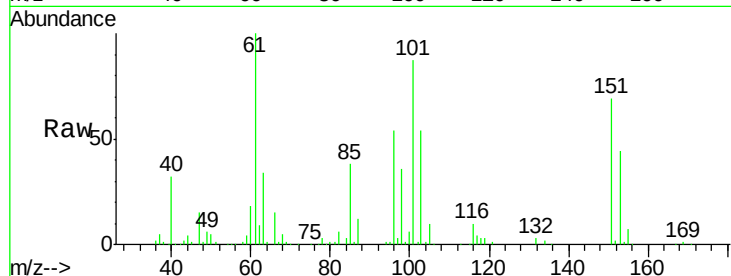
Tot Ion:101 Resp: 183861

Ion Ratio Lower Upper

101 100

85 44.9 32.4 48.6

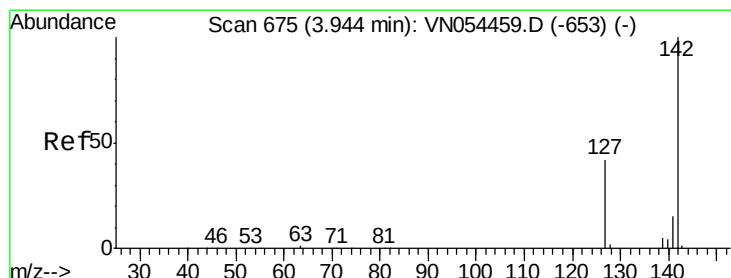
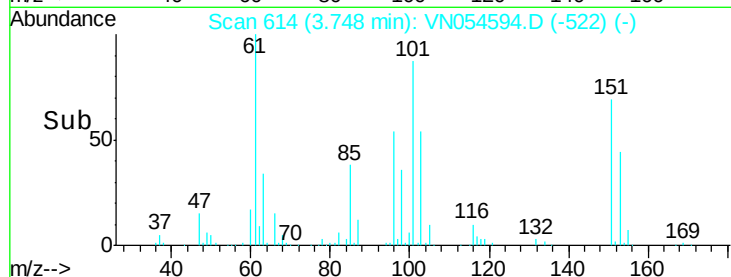
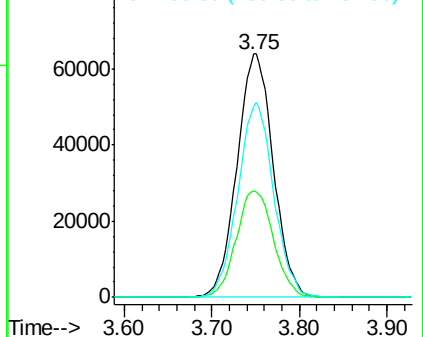
151 79.1 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.506 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

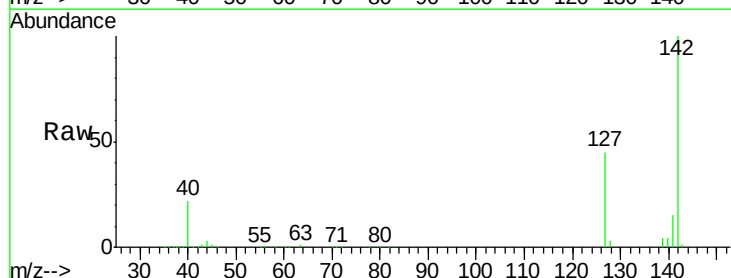
Tgt Ion:142 Resp: 288427

Ion Ratio Lower Upper

142 100

127 45.1 30.3 45.5

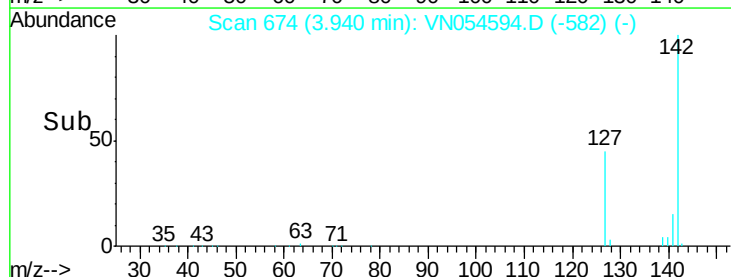
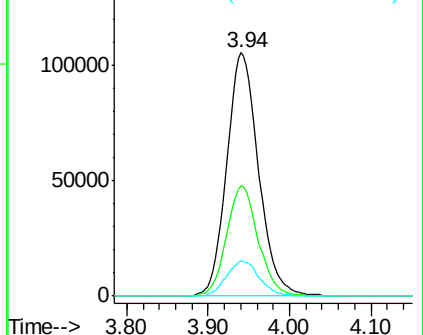
141 15.0 11.2 16.8

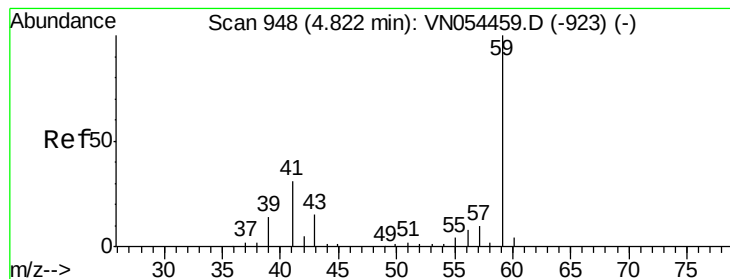


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



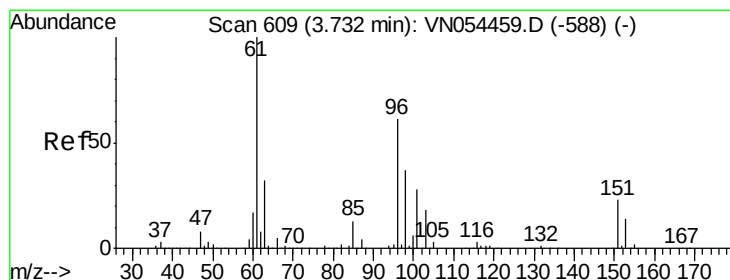
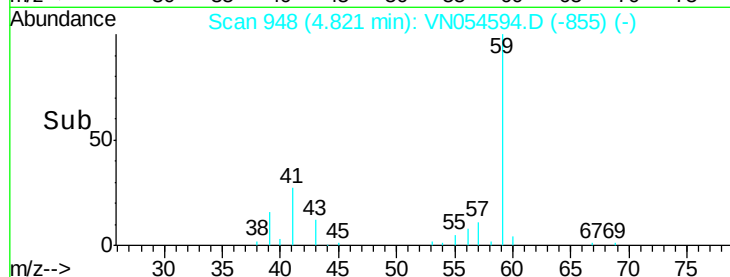
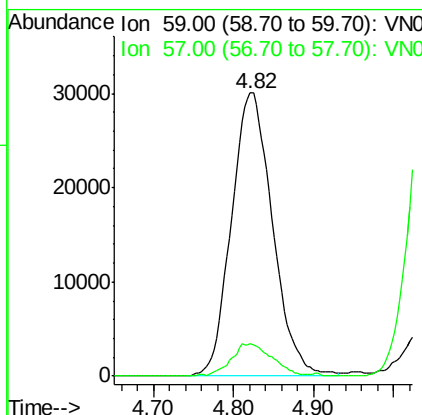
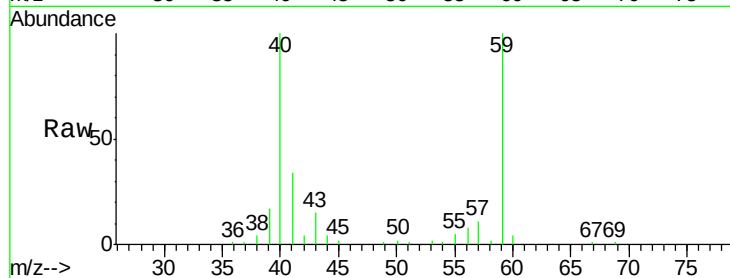


#11

Tert butyl alcohol
 Concen: 301.887 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :

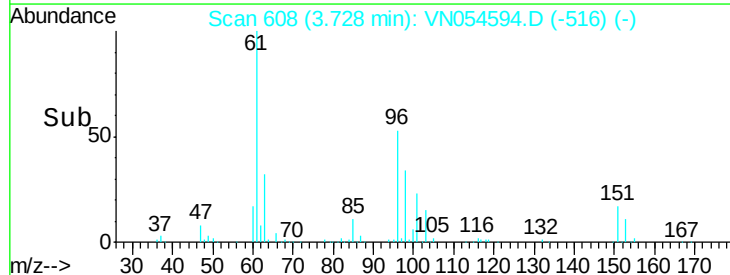
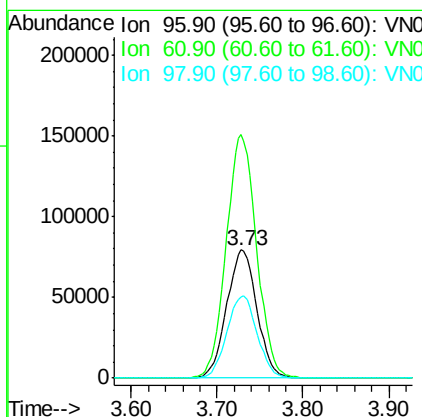
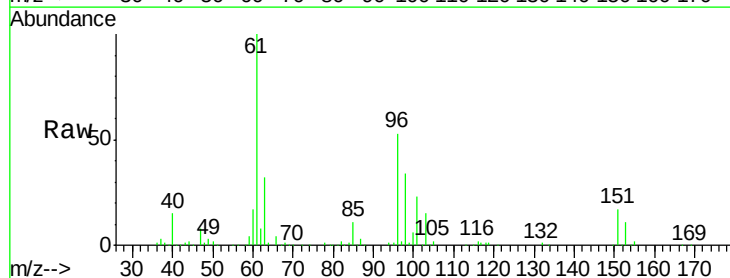
Tot Ion: 59 Resp: 105097
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.0 13.6

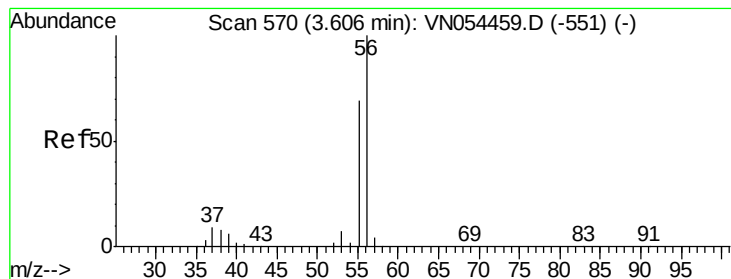


#12

1,1-Dichloroethene
 Concen: 43.498 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 96 Resp: 193960
 Ion Ratio Lower Upper
 96 100
 61 189.8 116.5 174.7#
 98 63.8 51.0 76.4





#13

Acrolein

Concen: 228.061 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

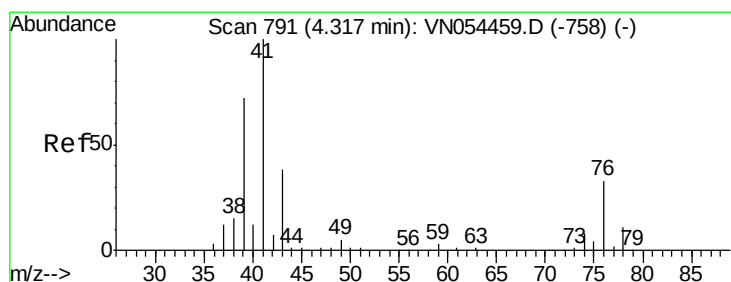
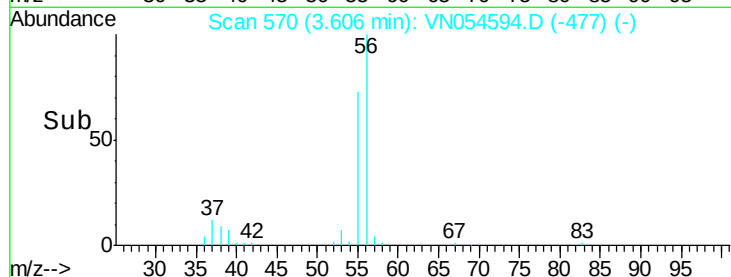
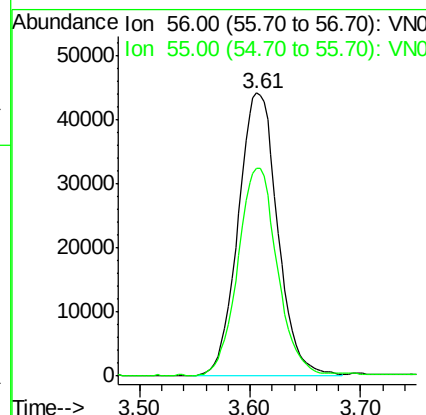
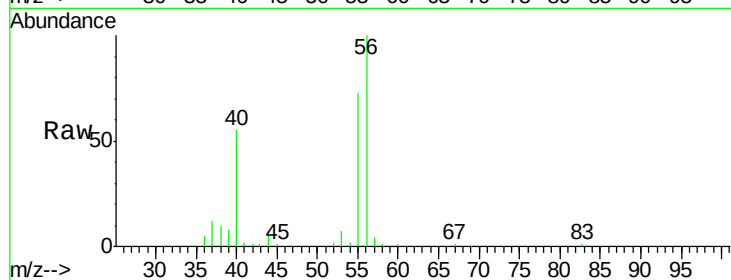
ClientSampleId :

Tot Ion: 56 Resp: 109567

Ion Ratio Lower Upper

56 100

55 73.6 56.7 85.1



#14

Allyl chloride

Concen: 53.172 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

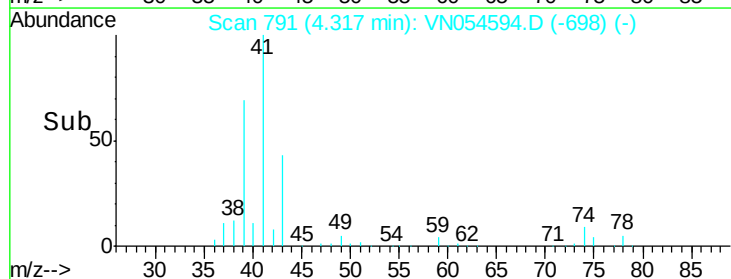
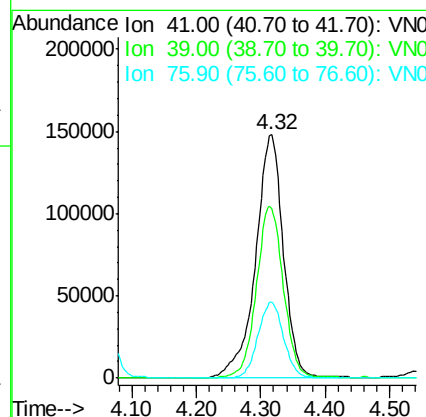
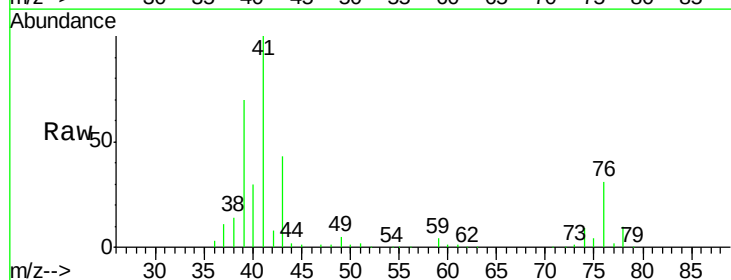
Tgt Ion: 41 Resp: 446464

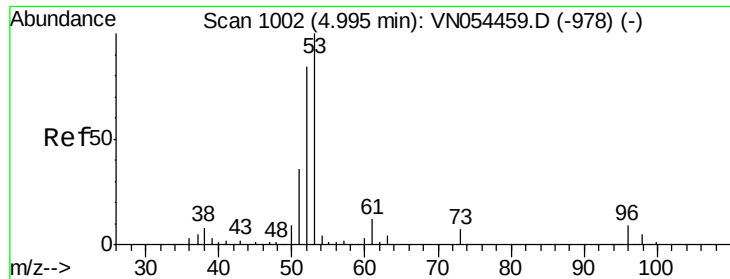
Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

76 28.6 31.7 47.5#

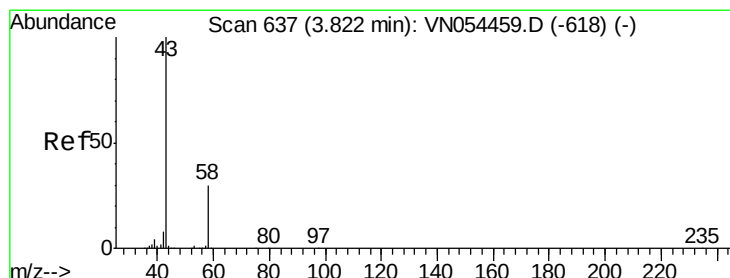
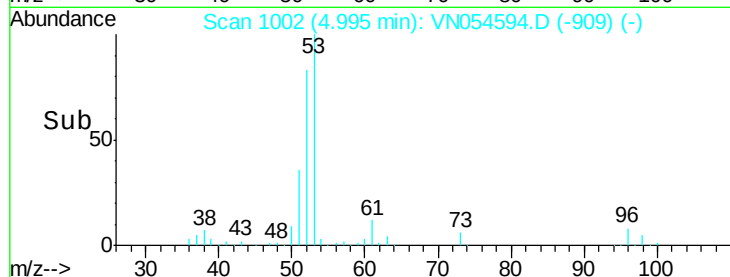
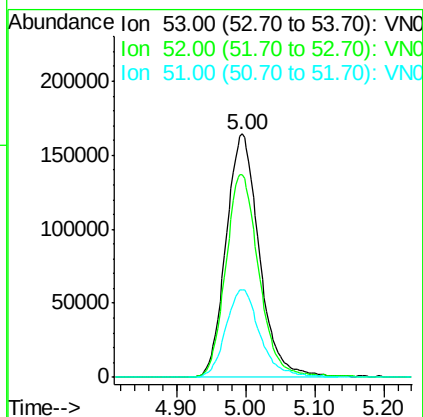
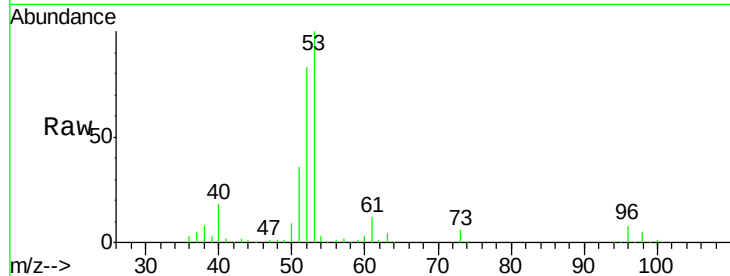




#15
 Acrylonitrile
 Concen: 317.476 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

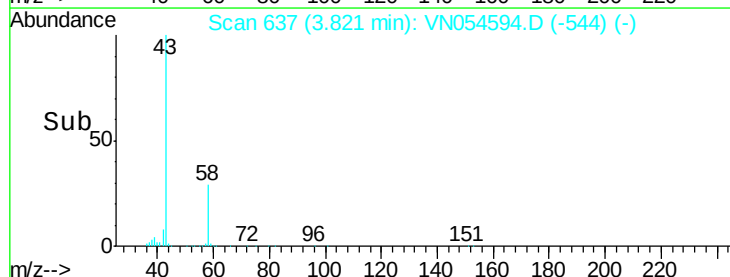
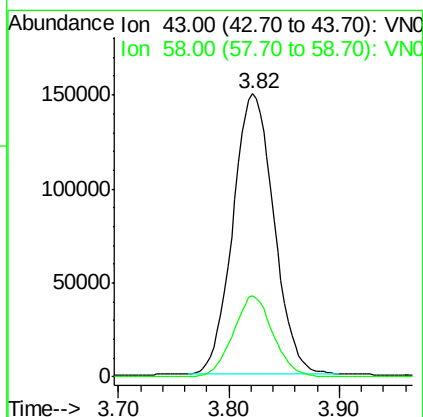
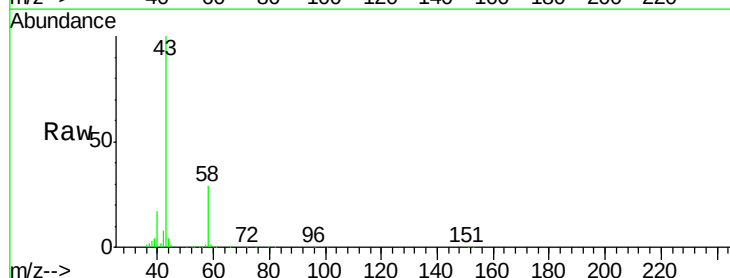
Instrument :
 MSVOA_N
 ClientSampled :

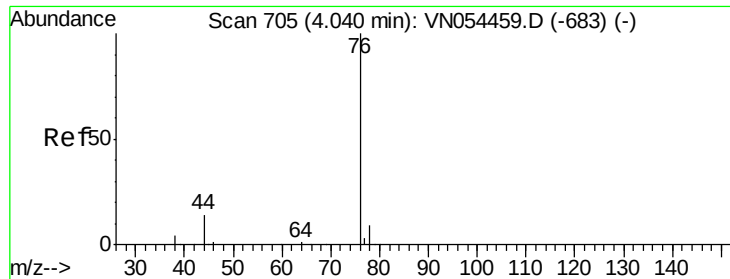
Tot Ion: 53 Resp: 550400
 Ion Ratio Lower Upper
 53 100
 52 82.8 66.4 99.6
 51 37.3 29.6 44.4



#16
 Acetone
 Concen: 221.386 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 43 Resp: 382737
 Ion Ratio Lower Upper
 43 100
 58 28.7 29.9 44.9#

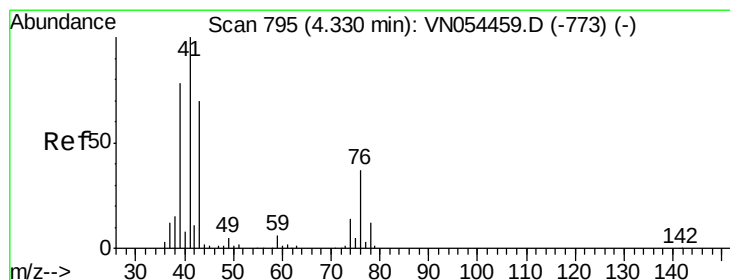
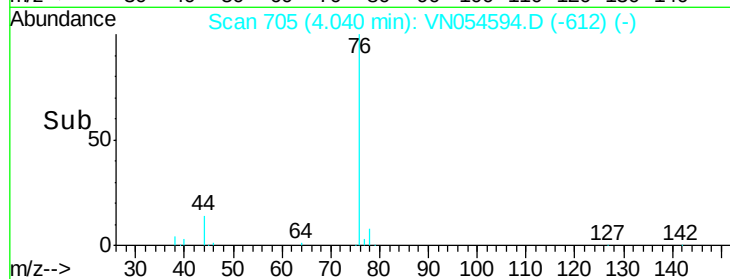
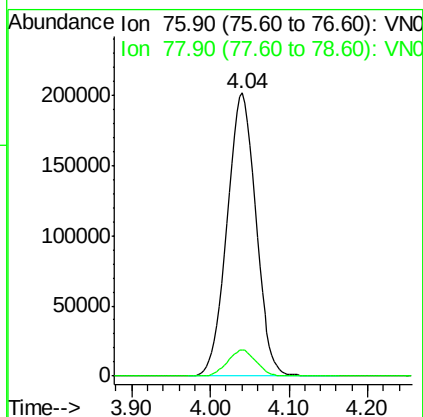
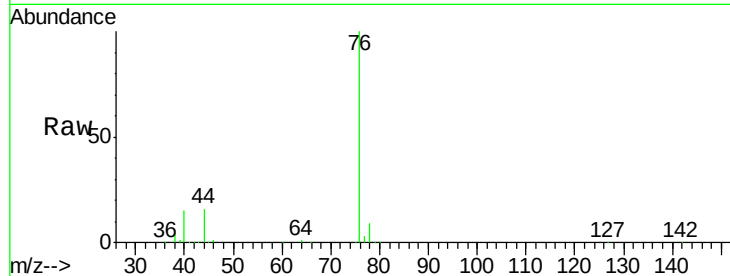




#17
Carbon Disulfide
Concen: 42.834 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

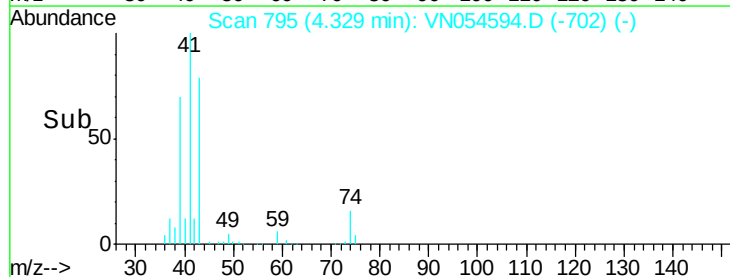
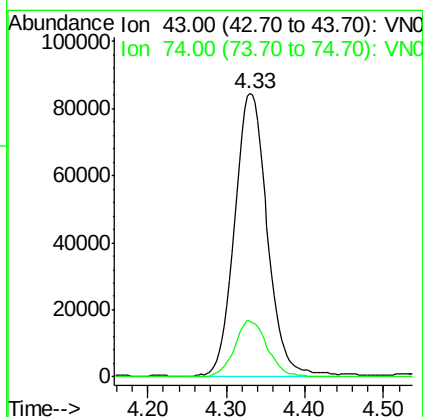
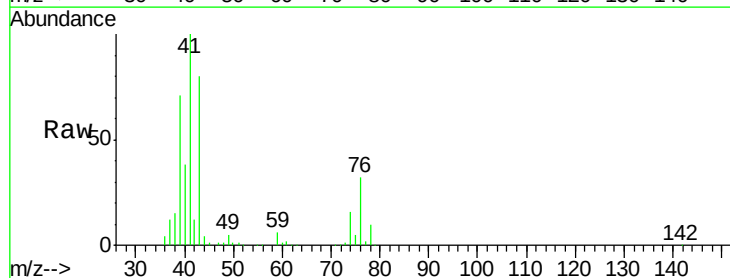
Instrument :
MSVOA_N
ClientSampled :

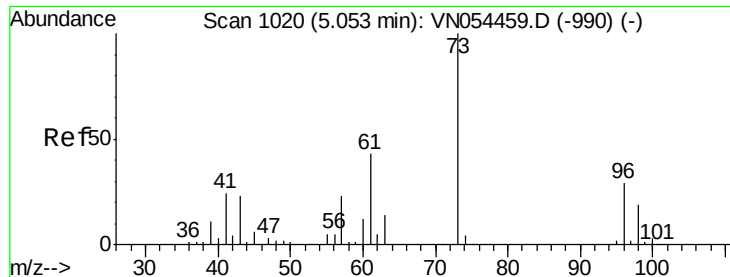
Tot Ion: 76 Resp: 511768
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 63.475 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 43 Resp: 244591
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#

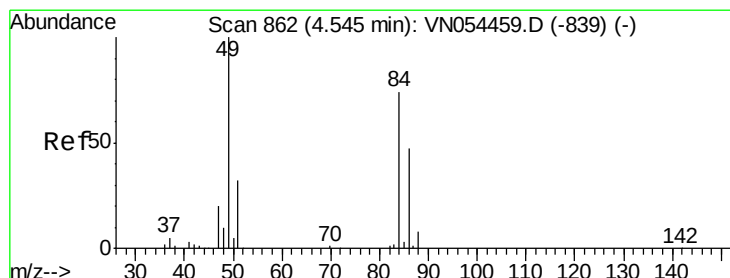
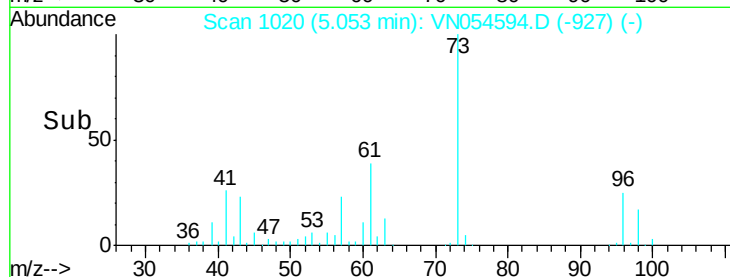
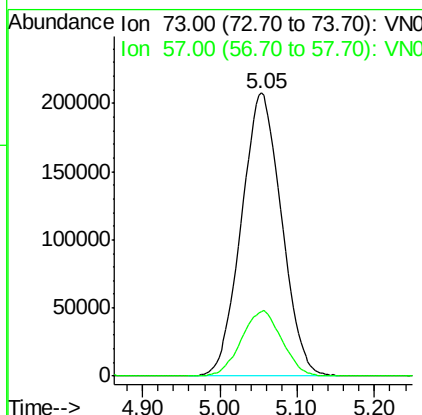
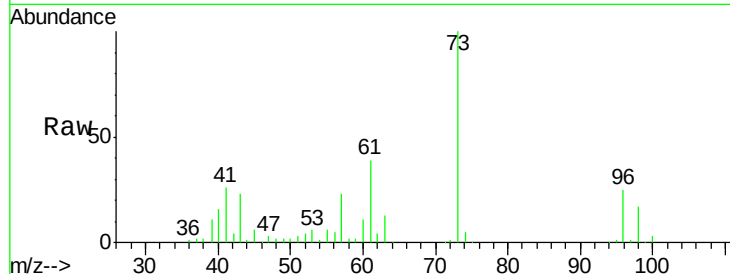




#19
Methyl tert-butyl Ether
Concen: 57.850 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

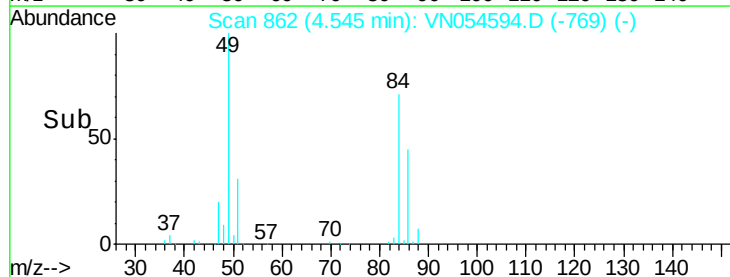
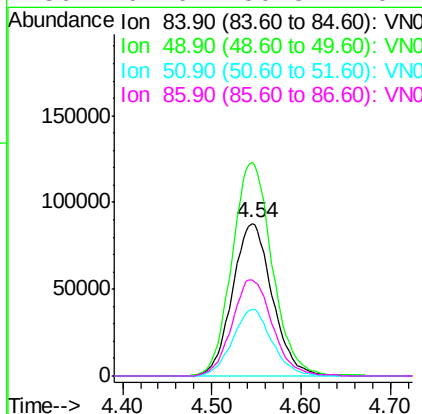
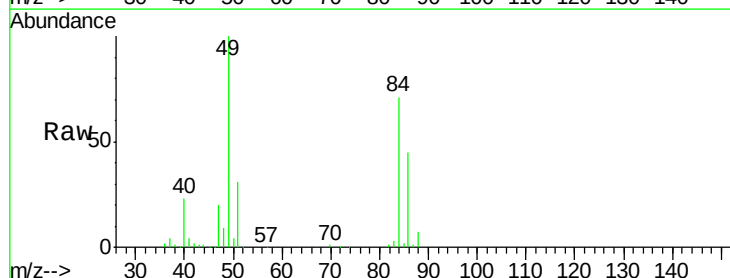
Instrument :
MSVOA_N
ClientSampled :

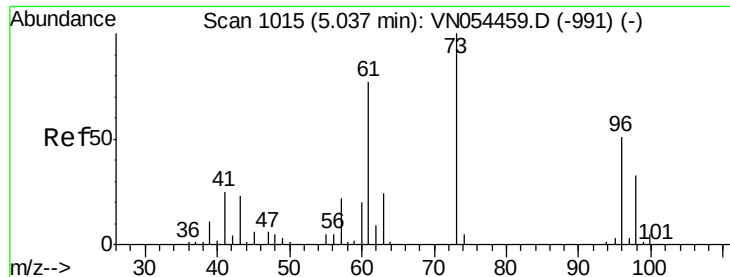
Tot Ion: 73 Resp: 752830
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#20
Methylene Chloride
Concen: 53.441 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 84 Resp: 272349
Ion Ratio Lower Upper
84 100
49 139.6 89.7 134.5#
51 43.9 28.2 42.4#
86 62.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 54.840 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampled :

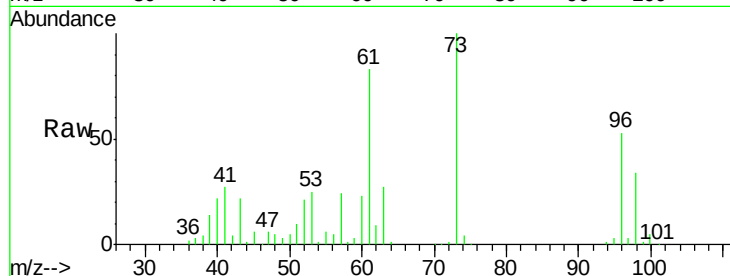
Tot Ion: 96 Resp: 249697

Ion Ratio Lower Upper

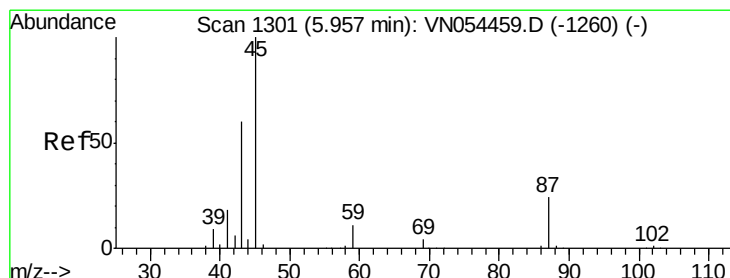
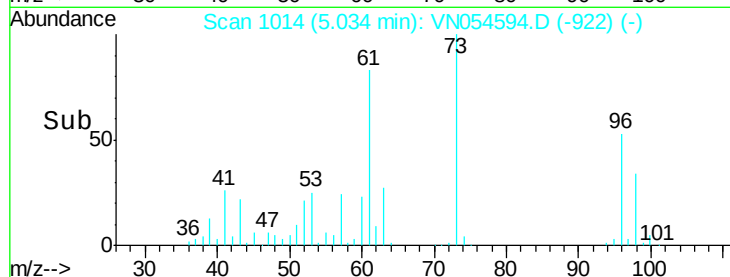
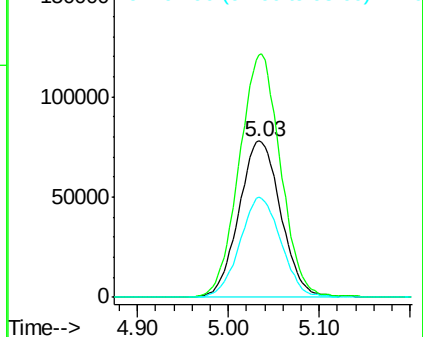
96 100

61 155.2 102.8 154.2#

98 64.1 50.0 75.0



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



#22

Diisopropyl ether

Concen: 59.760 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion: 45 Resp: 989769

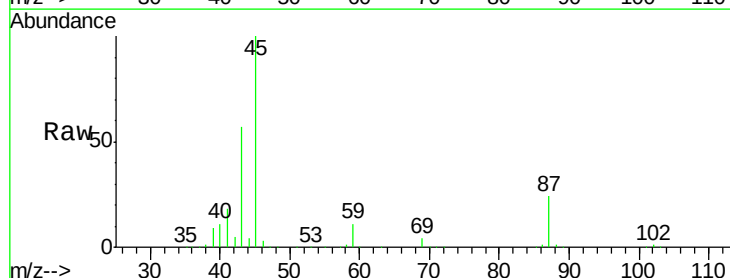
Ion Ratio Lower Upper

45 100

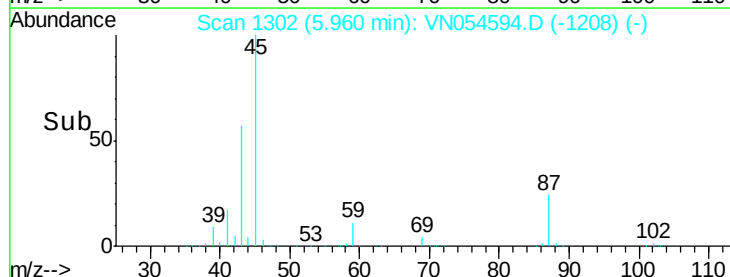
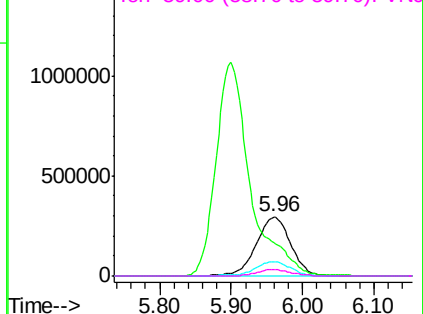
43 55.1 48.2 72.2

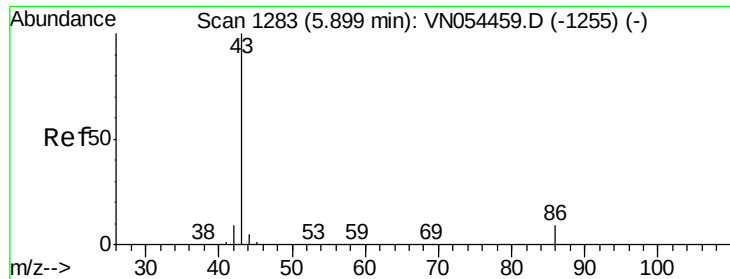
87 23.5 24.9 37.3#

59 10.4 9.5 14.3



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





#23

Vinyl Acetate

Concen: 305.772 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

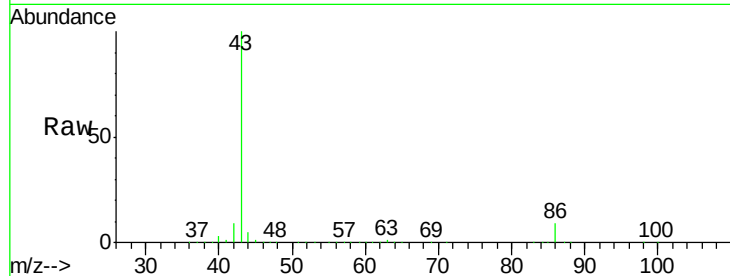
ClientSampleId :

Tot Ion: 43 Resp: 3576732

Ion Ratio Lower Upper

43 100

86 8.8 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1200000

1000000

800000

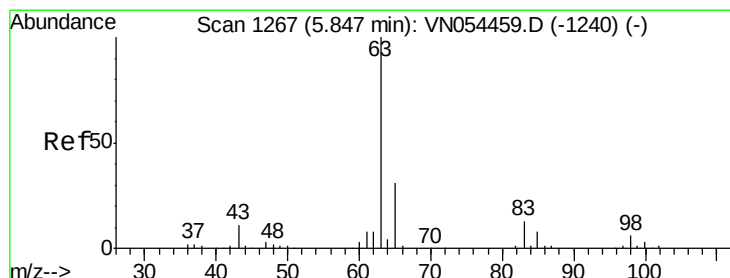
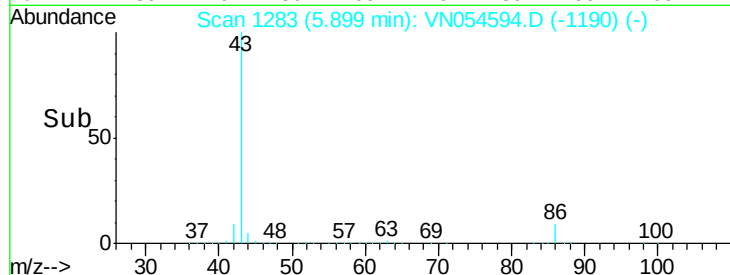
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.326 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

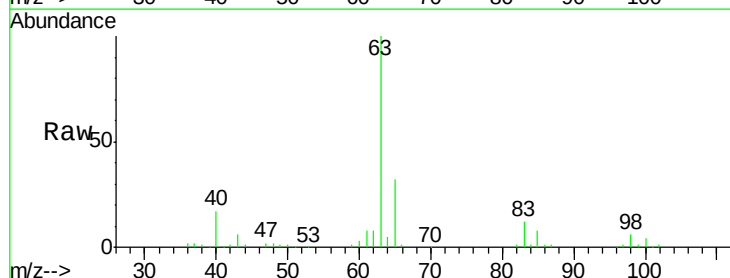
Tgt Ion: 63 Resp: 511211

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

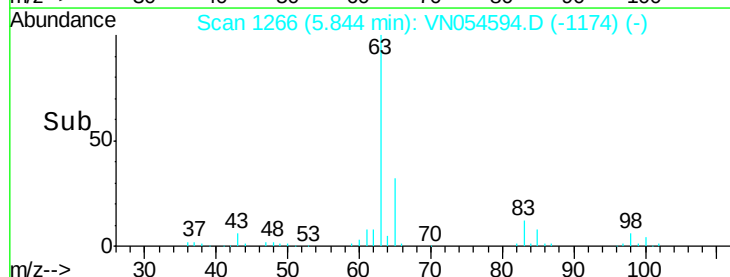
150000

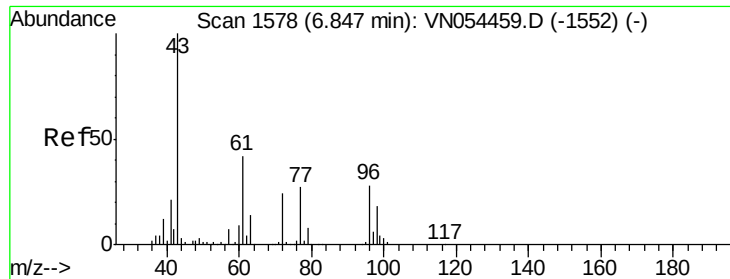
100000

50000

0

Time-->





#25

2-Butanone

Concen: 309.523 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

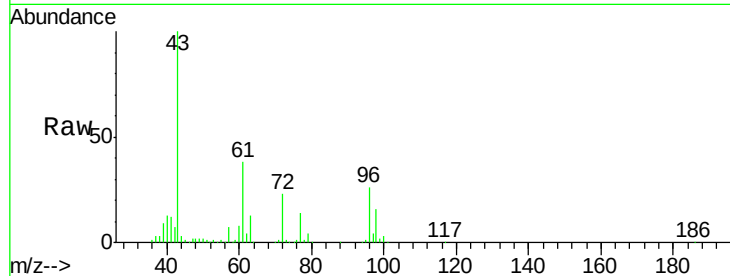
ClientSampleId :

Tot Ion: 43 Resp: 685474

Ion Ratio Lower Upper

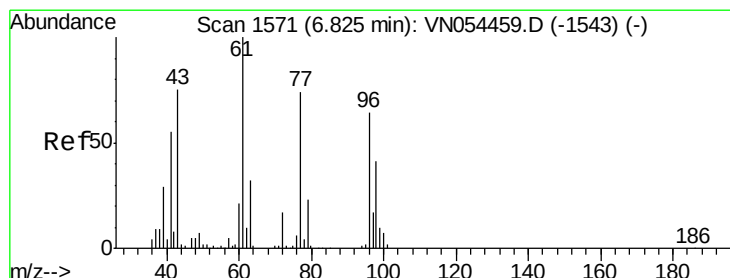
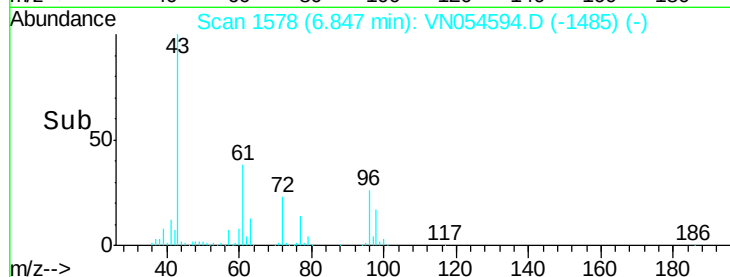
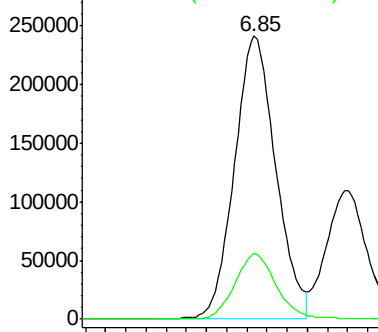
43 100

72 23.2 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 32.649 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054594.D

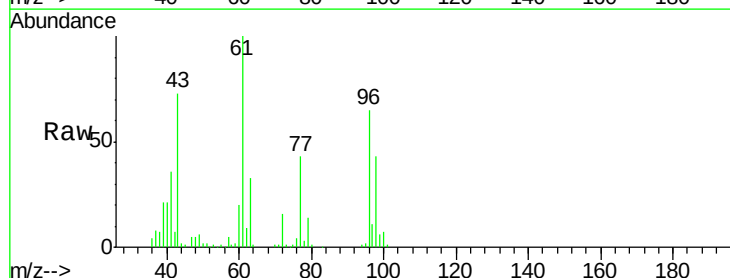
Acq: 23 Mar 2019 8:45

Tgt Ion: 77 Resp: 207548

Ion Ratio Lower Upper

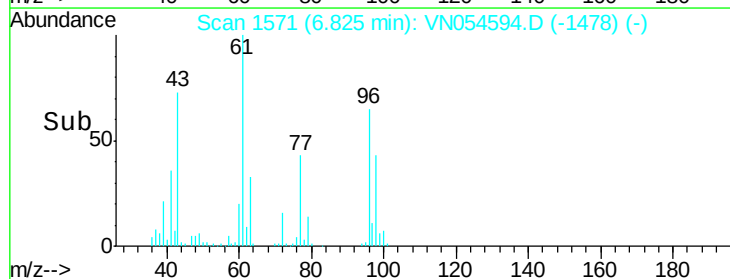
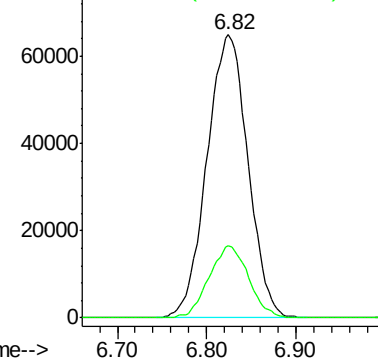
77 100

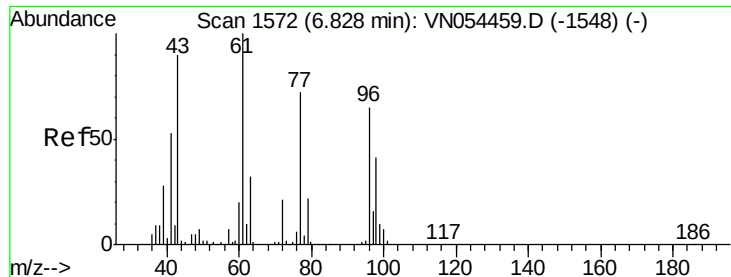
97 24.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 53.337 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampled :

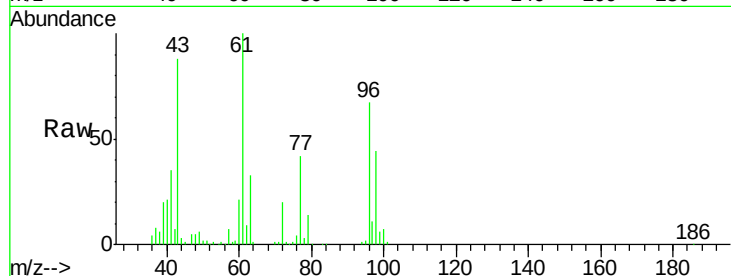
Tot Ion: 96 Resp: 289670

Ion Ratio Lower Upper

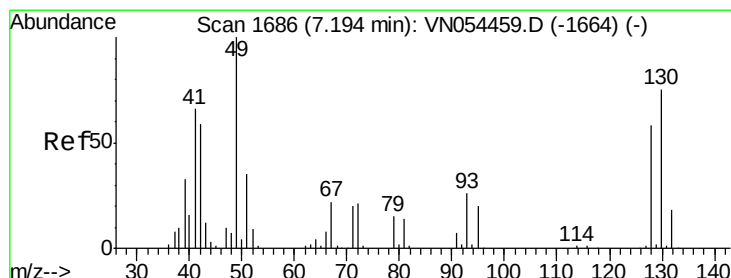
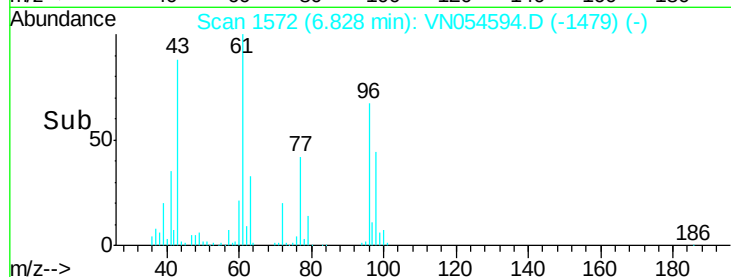
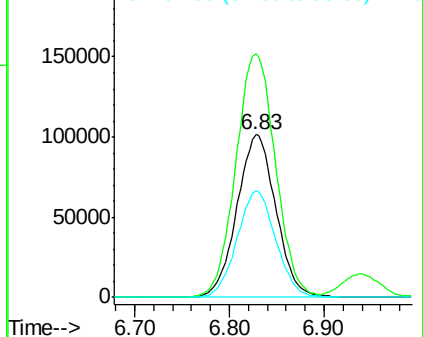
96 100

61 152.8 0.0 273.0

98 65.1 0.0 130.6



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



#28

Bromochloromethane

Concen: 59.228 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

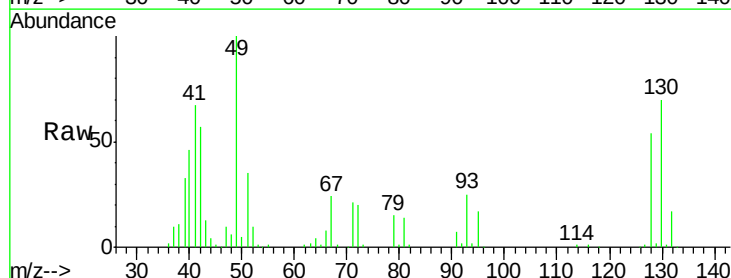
Tgt Ion: 49 Resp: 259980

Ion Ratio Lower Upper

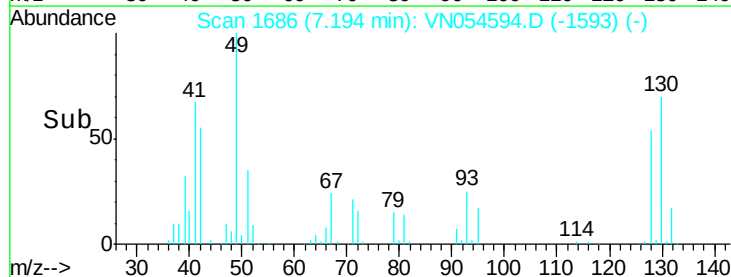
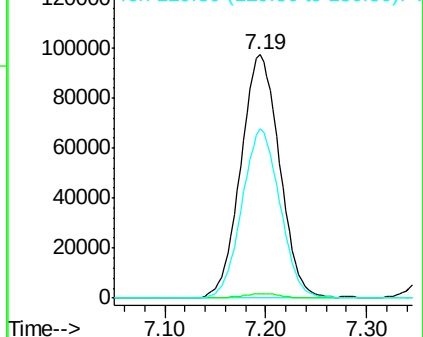
49 100

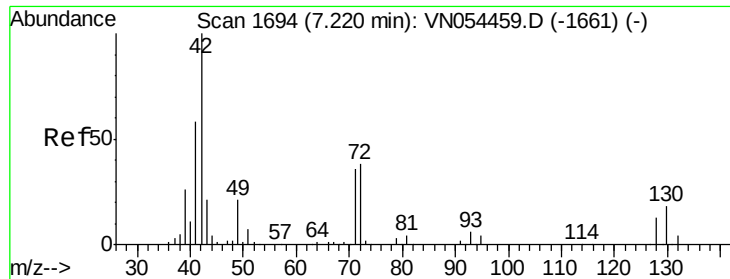
129 1.8 0.0 4.6

130 67.9 76.7 115.1#



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

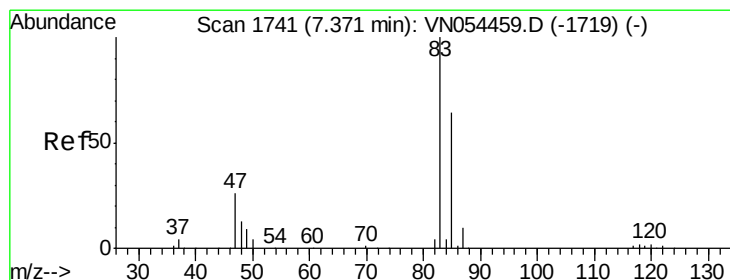
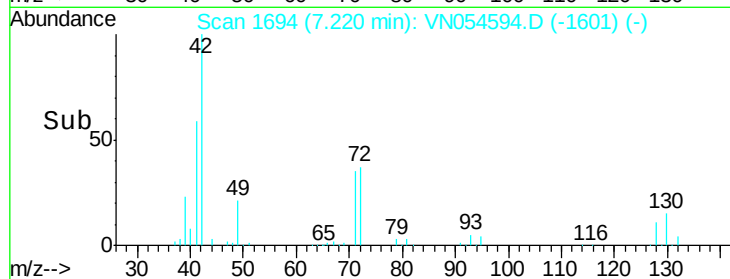
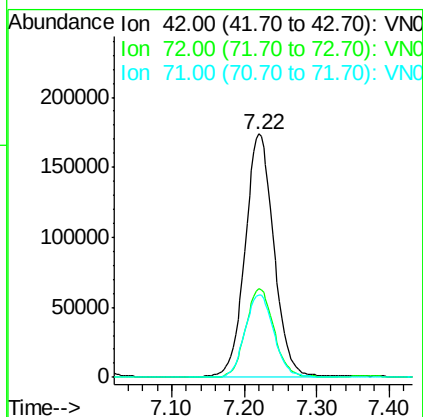
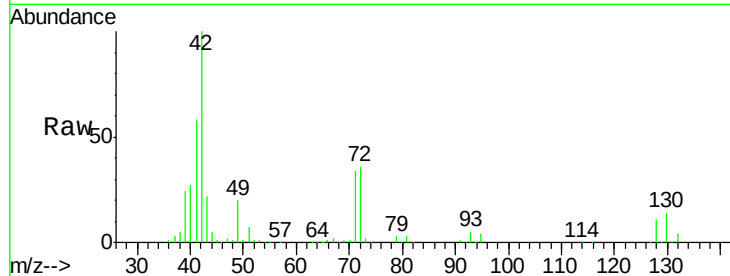




#29
Tetrahydrofuran
Concen: 332.391 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

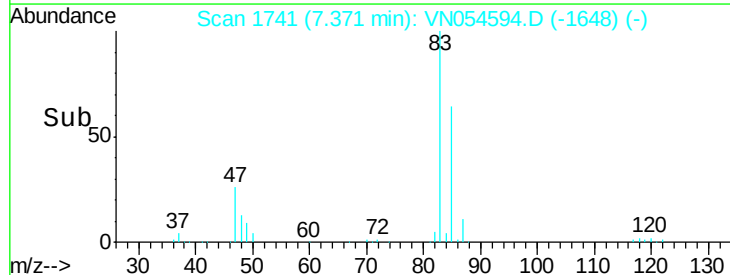
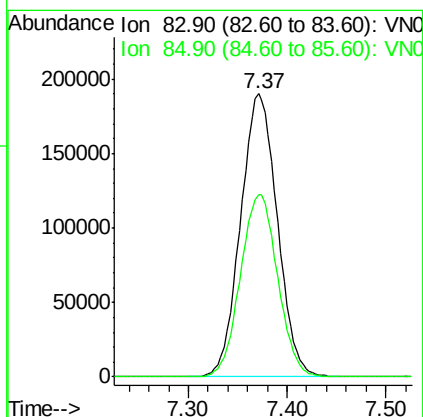
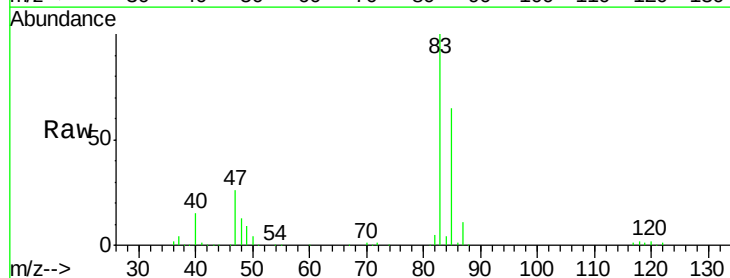
Instrument :
MSVOA_N
ClientSampleId :

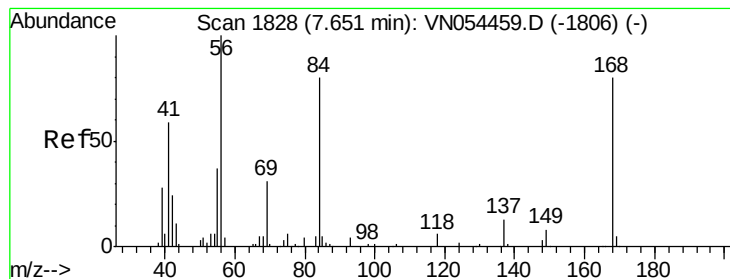
Tot Ion: 42 Resp: 477692
Ion Ratio Lower Upper
42 100
72 36.2 37.8 56.6#
71 34.4 36.2 54.2#



#30
Chloroform
Concen: 56.273 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 83 Resp: 489735
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4





#31

Cyclohexane

Concen: 54.487 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

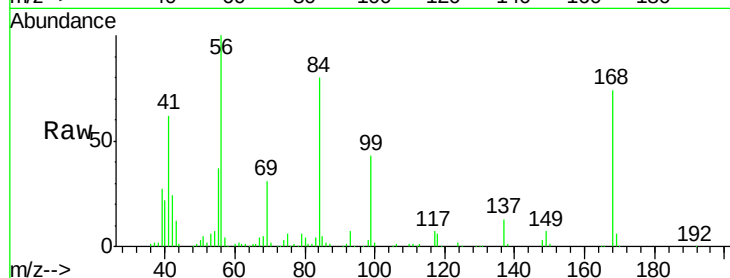
Tot Ion: 56 Resp: 464170

Ion Ratio Lower Upper

56 100

69 31.2 27.8 41.6

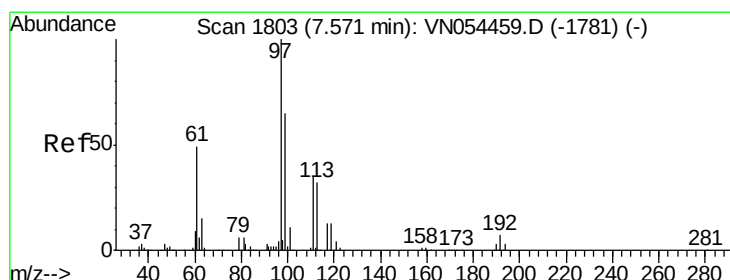
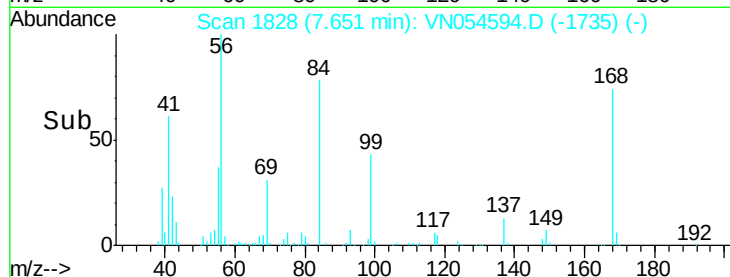
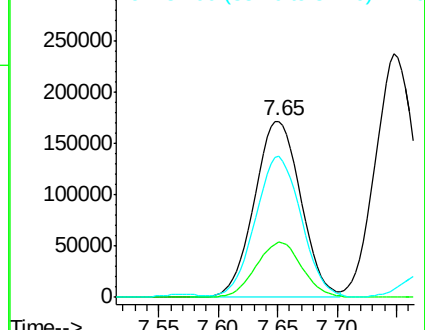
84 78.8 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 55.014 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

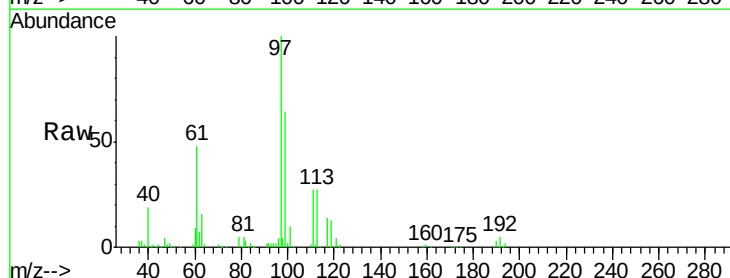
Tgt Ion: 97 Resp: 394998

Ion Ratio Lower Upper

97 100

99 64.1 51.5 77.3

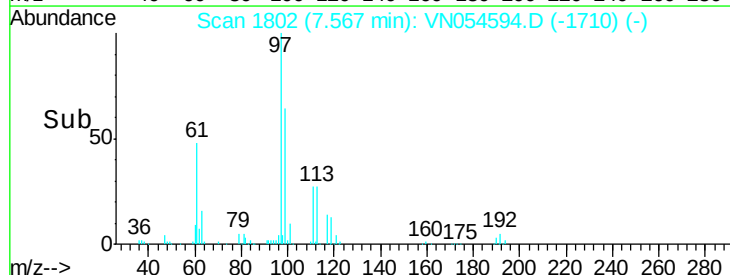
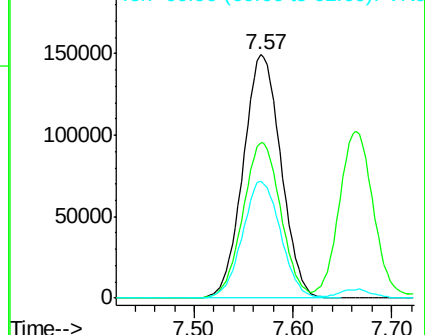
61 48.4 33.6 50.4

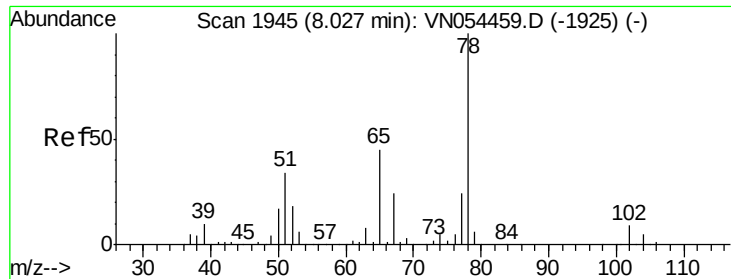


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

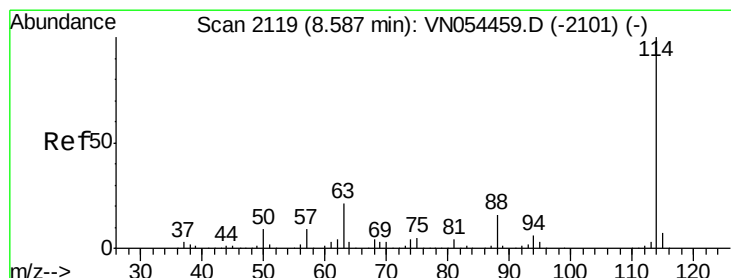
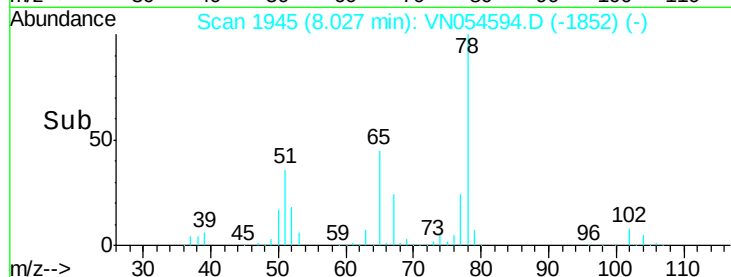
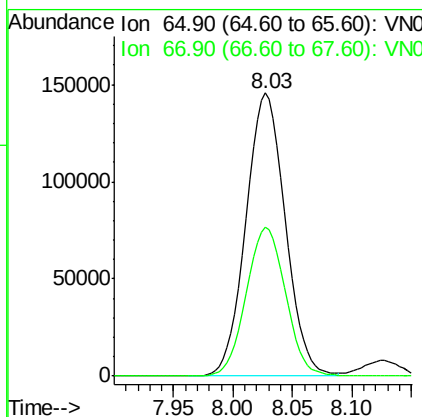
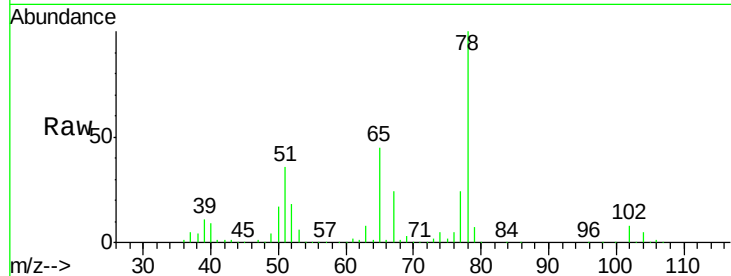




#33
 1,2-Dichloroethane-d4
 Concen: 58.159 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

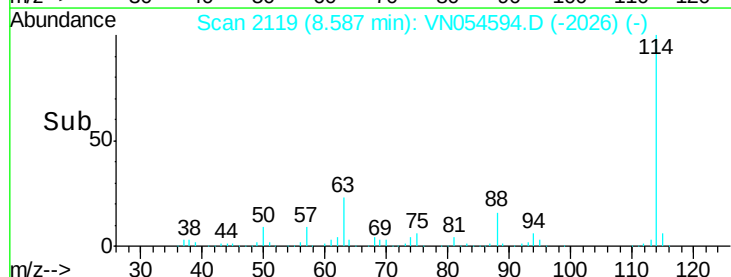
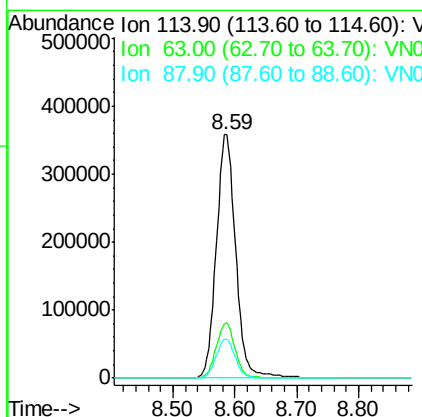
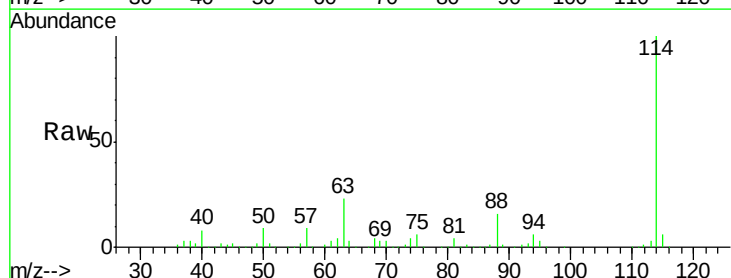
Instrument :
 MSVOA_N
 ClientSampleId :

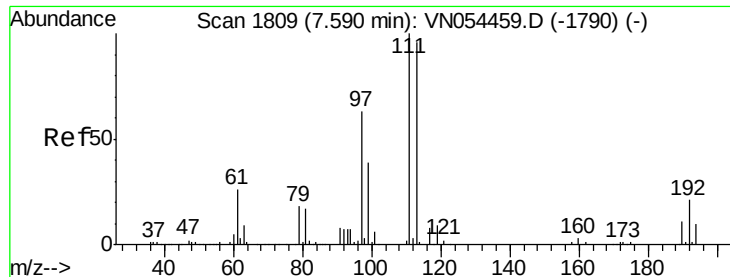
Tot Ion: 65 Resp: 334432
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 114 Resp: 780050
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.958 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampled :

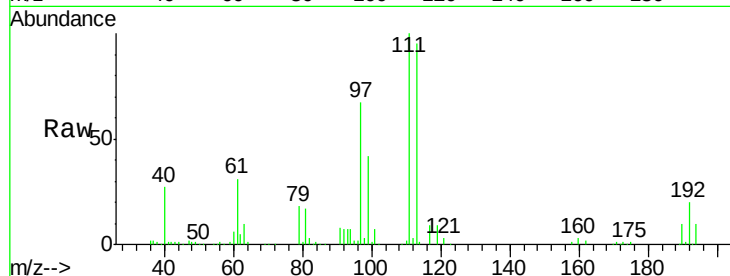
Tot Ion:113 Resp: 261114

Ion Ratio Lower Upper

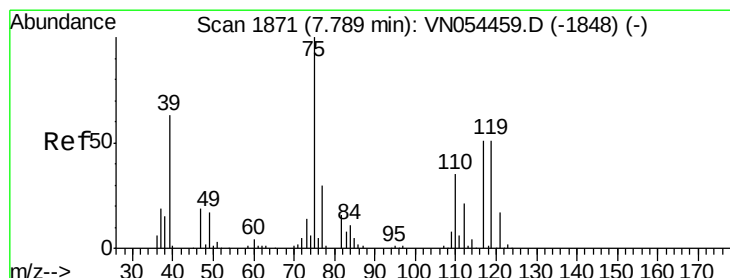
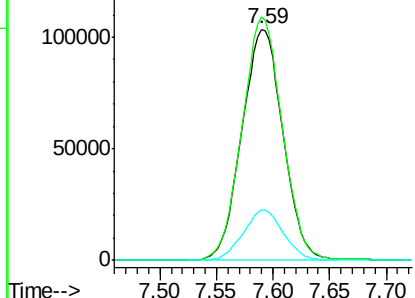
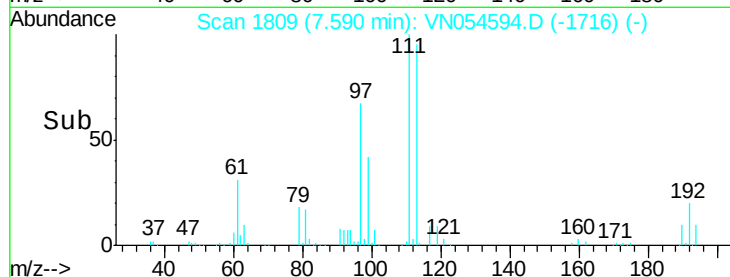
113 100

111 103.7 82.2 123.4

192 21.3 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: 49.406 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

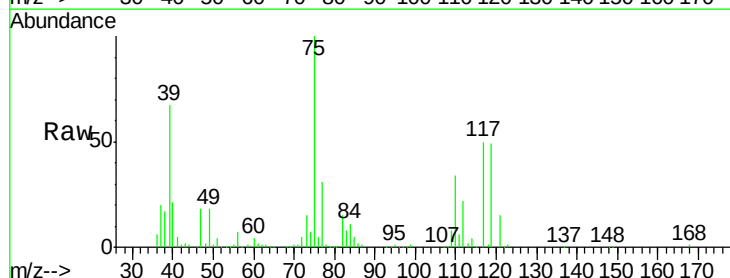
Tgt Ion: 75 Resp: 360344

Ion Ratio Lower Upper

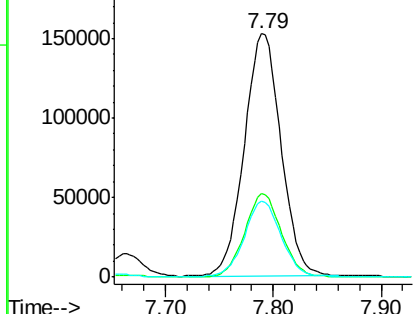
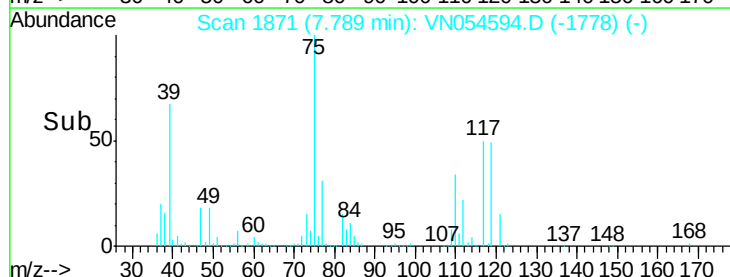
75 100

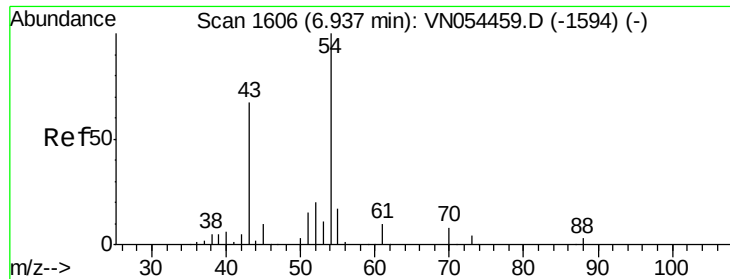
110 34.5 19.1 57.5

77 31.9 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

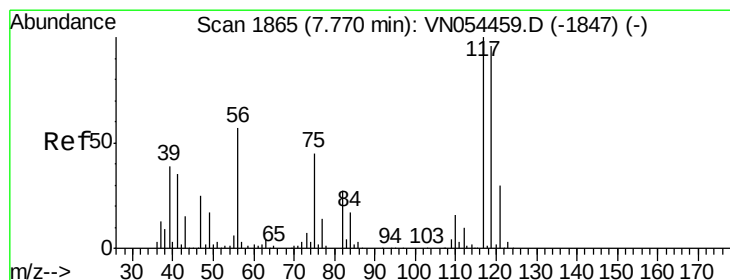
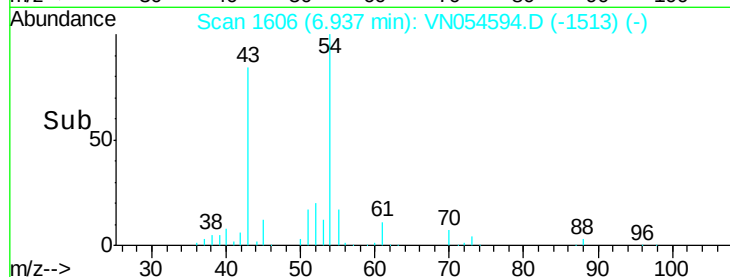
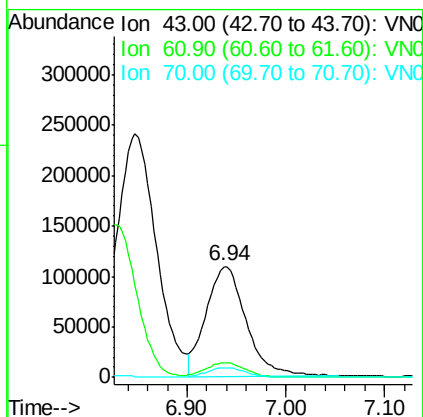
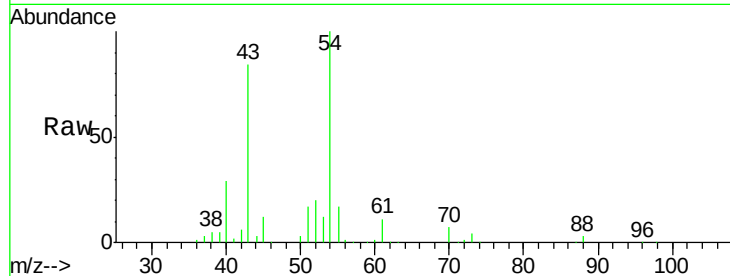




#37
Ethyl Acetate
Concen: 59.466 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

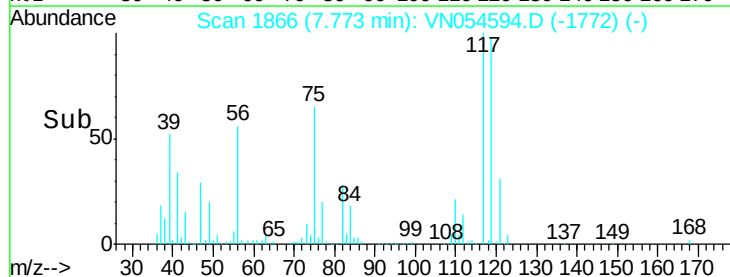
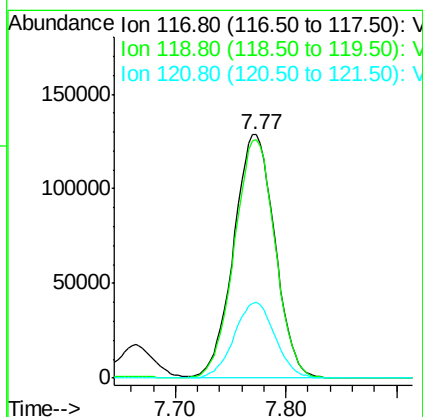
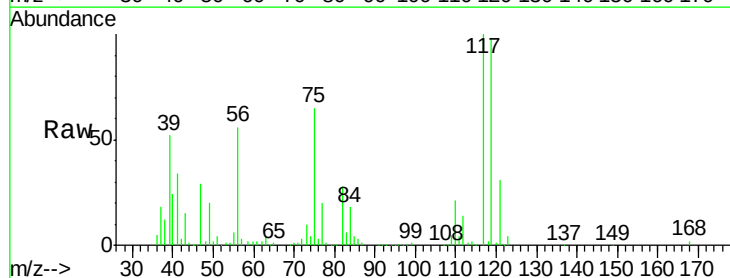
Instrument :
MSVOA_N
ClientSampled :

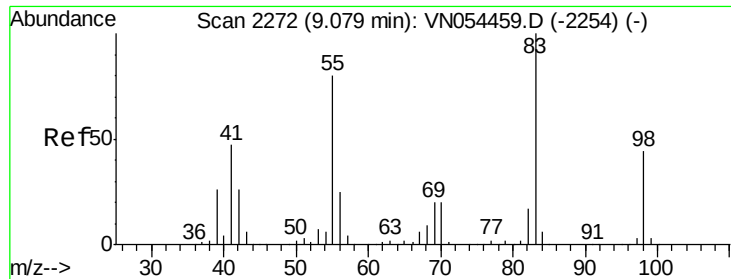
Tot Ion: 43 Resp: 308476
Ion Ratio Lower Upper
43 100
61 13.1 11.8 17.6
70 8.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.909 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 117 Resp: 332473
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5
121 31.1 24.6 36.8

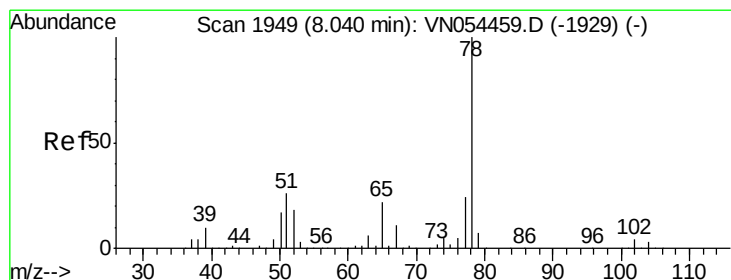
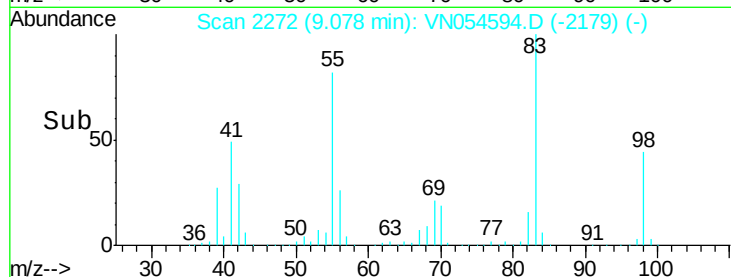
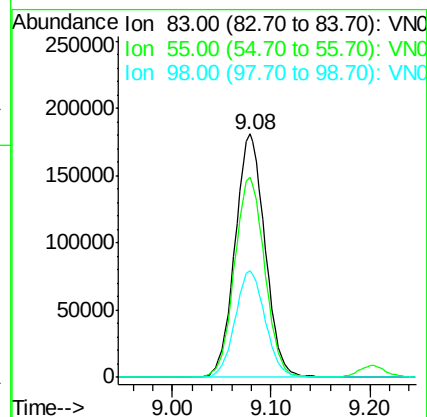
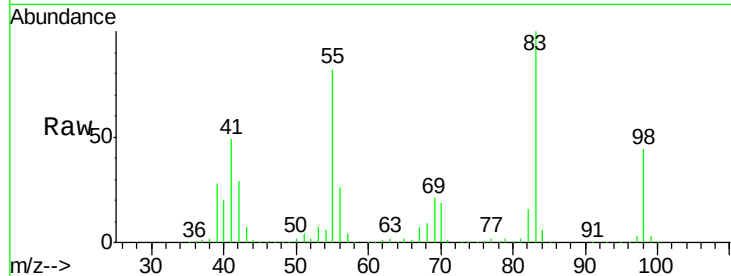




#39
Methylvlcyclohexane
Concen: 45.580 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

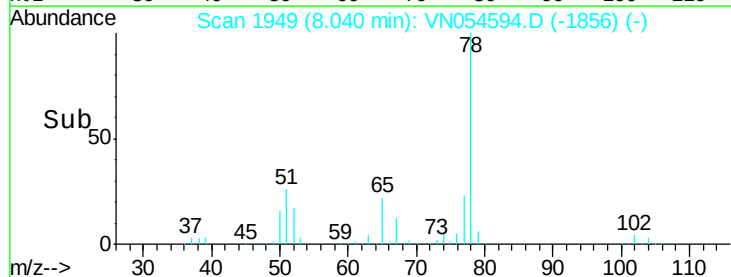
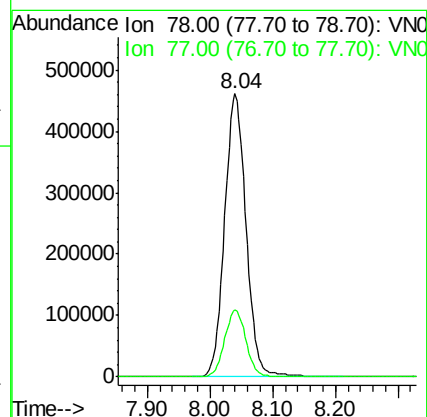
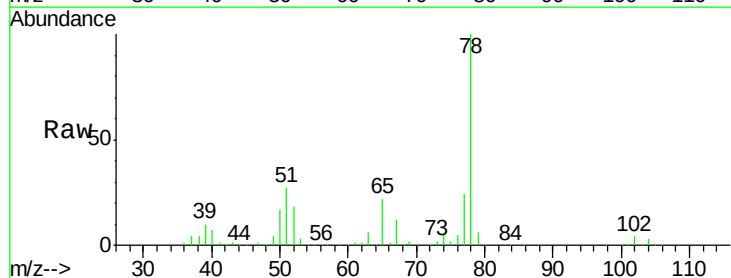
Instrument :
MSVOA_N
ClientSampled :

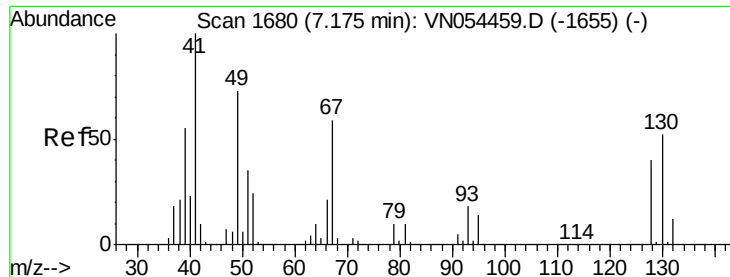
Tot Ion: 83 Resp: 380275
Ion Ratio Lower Upper
83 100
55 81.8 56.6 84.8
98 43.7 38.4 57.6



#40
Benzene
Concen: 52.459 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 78 Resp: 1094107
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

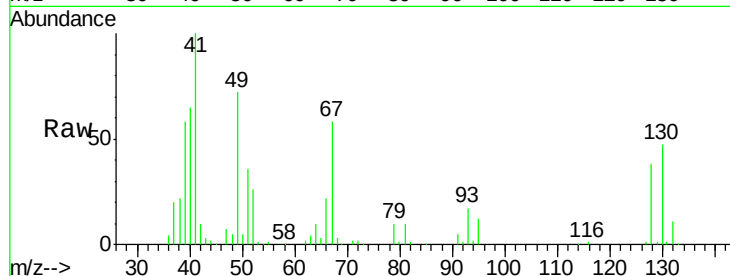




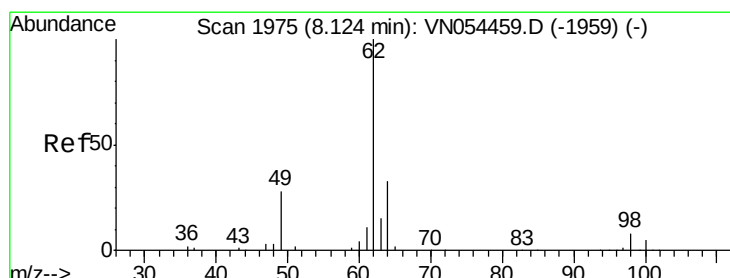
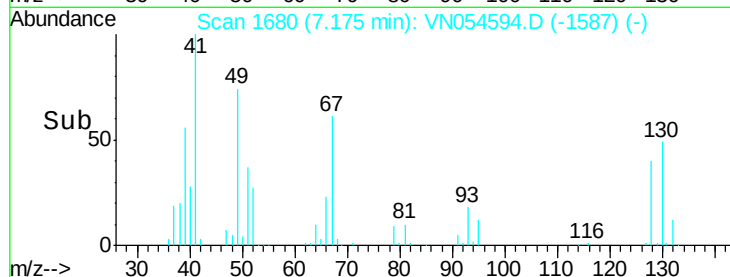
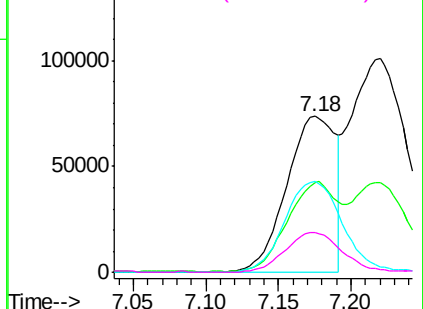
#41
Methacrylonitrile
Concen: 54.582 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 172674
Ion Ratio Lower Upper
41 100
39 62.3 46.8 70.2
67 69.2 67.0 100.4
52 28.9 26.5 39.7

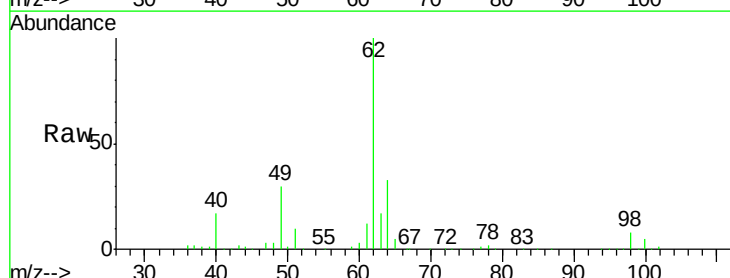


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

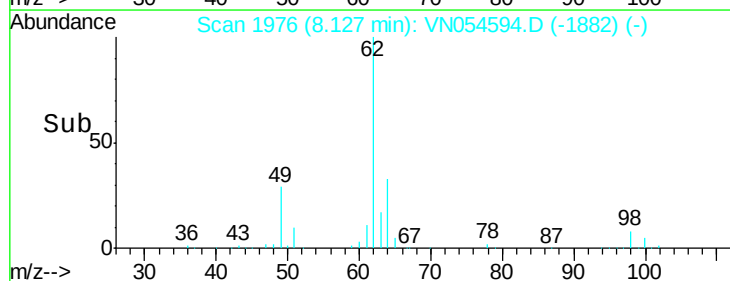
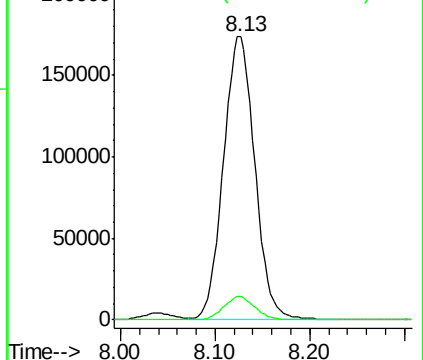


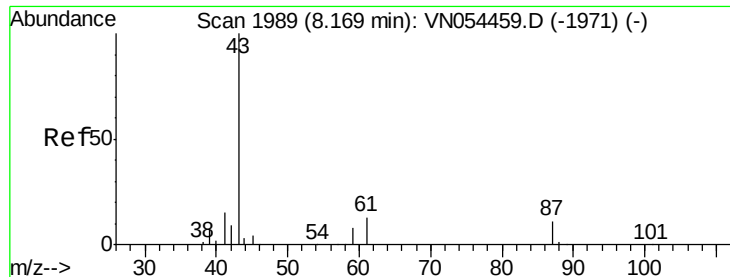
#42
1,2-Dichloroethane
Concen: 52.589 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 62 Resp: 399435
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 59.569 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :

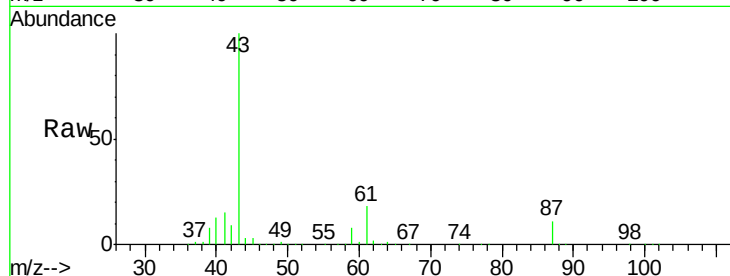
Tot Ion: 43 Resp: 521872

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.8

87 11.5 12.0 18.0#

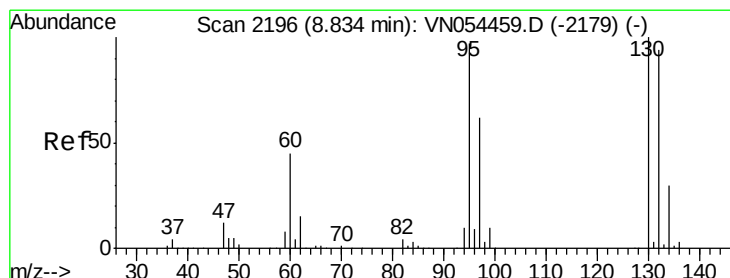
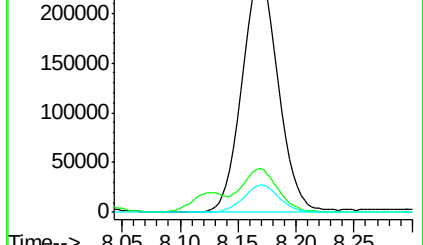
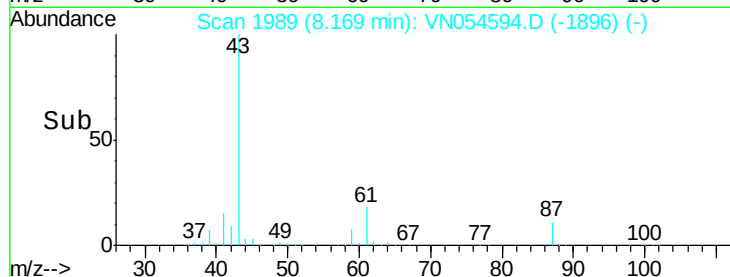


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 49.349 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054594.D

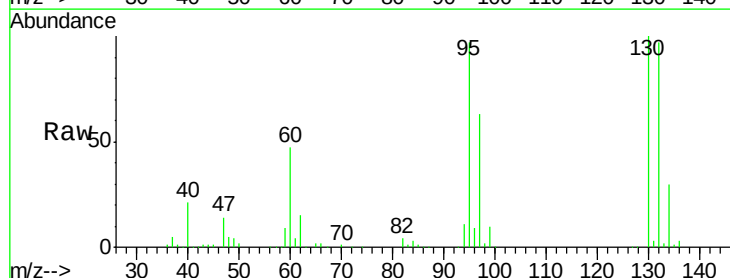
Acq: 23 Mar 2019 8:45

Tgt Ion:130 Resp: 286145

Ion Ratio Lower Upper

130 100

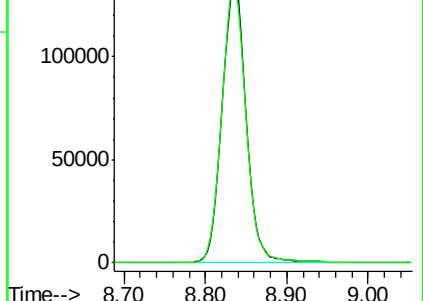
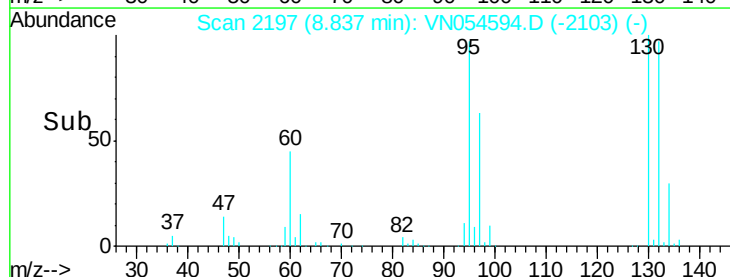
95 97.2 0.0 185.2

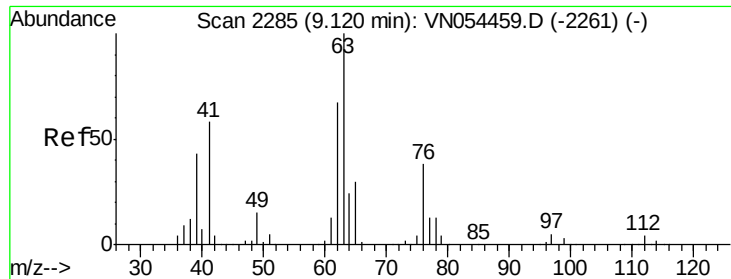


Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

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

Time-->

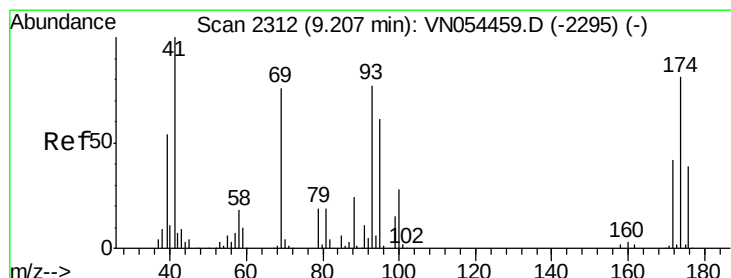
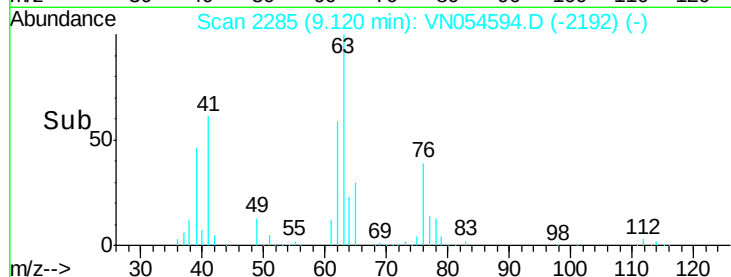
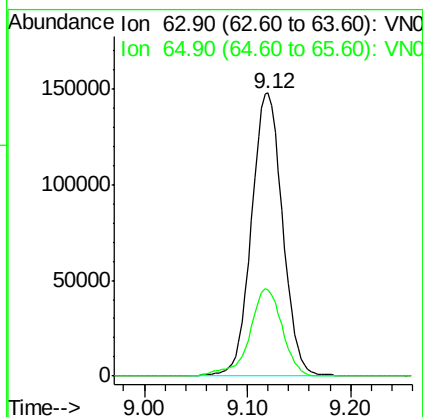
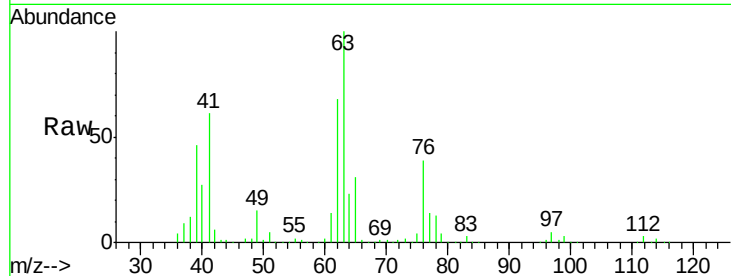




#45
 1,2-Dichloropropane
 Concen: 55.142 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

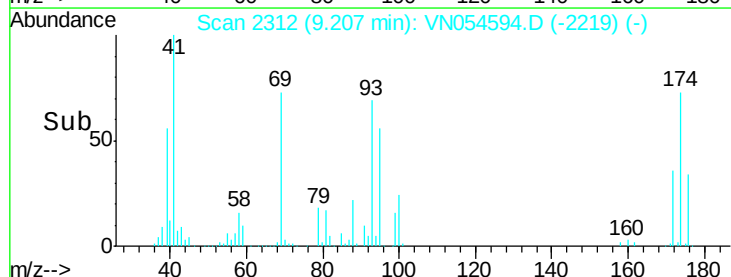
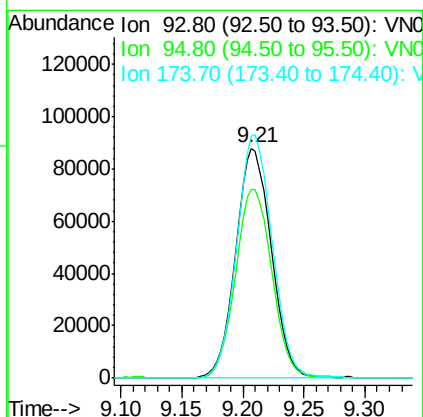
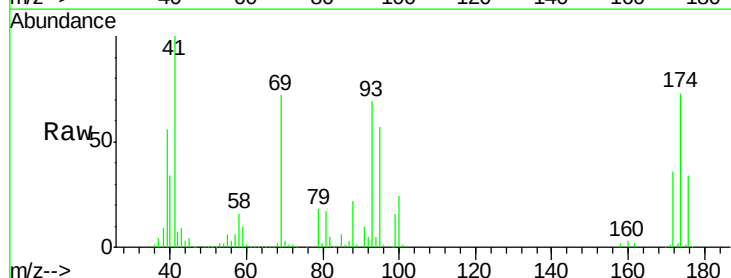
Instrument :
 MSVOA_N
 ClientSampleId :

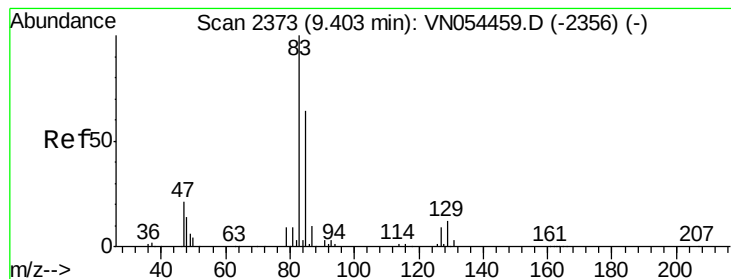
Tot Ion: 63 Resp: 308816
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#46
 Dibromomethane
 Concen: 53.256 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 93 Resp: 177931
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 105.4 98.5 147.7





#47

Bromodichloromethane

Concen: 51.794 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

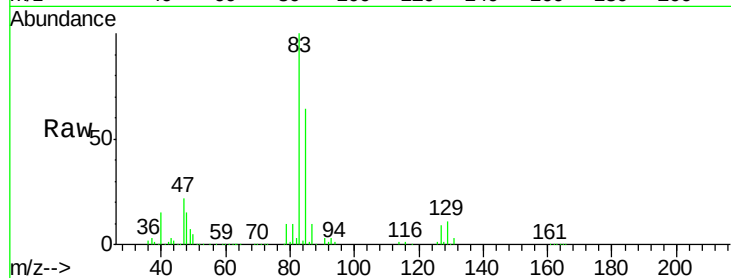
Tot Ion: 83 Resp: 359127

Ion Ratio Lower Upper

83 100

85 63.7 52.8 79.2

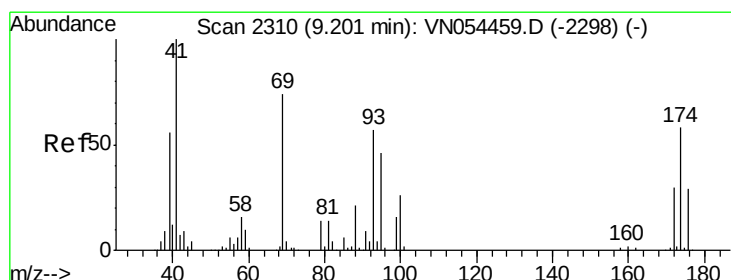
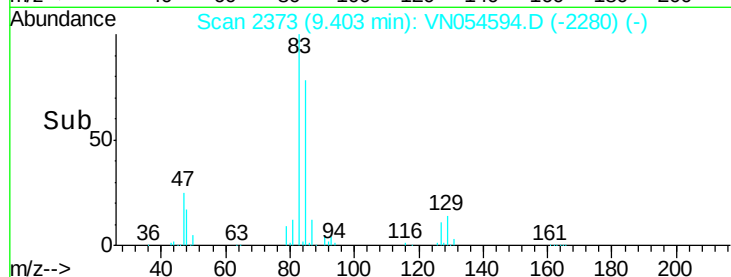
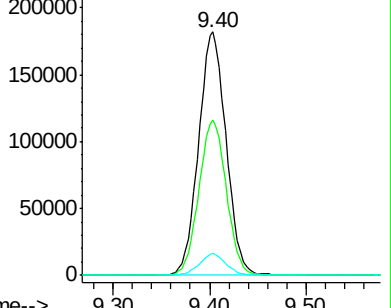
127 8.9 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)



#48

Methyl methacrylate

Concen: 56.952 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

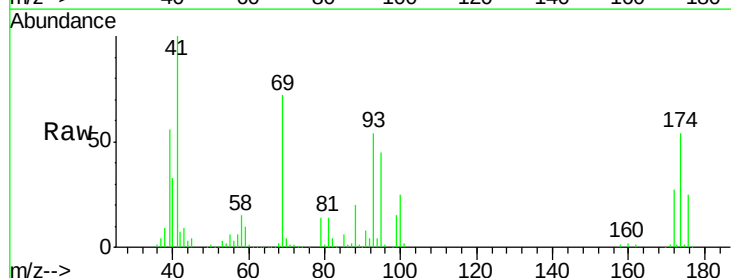
Tgt Ion: 41 Resp: 270808

Ion Ratio Lower Upper

41 100

69 73.0 72.6 108.8

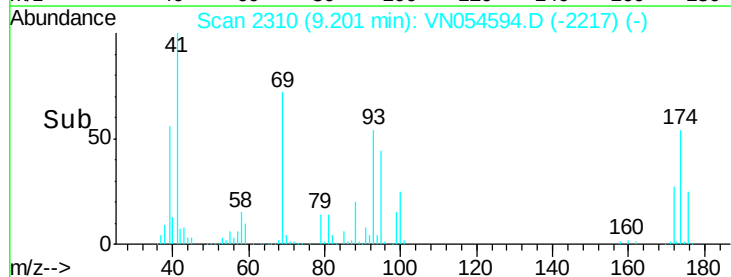
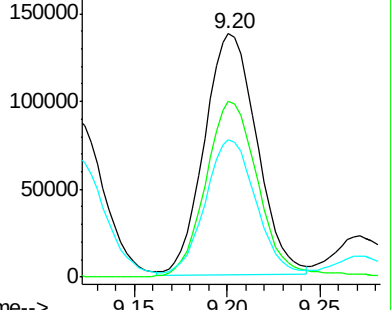
39 55.2 47.5 71.3

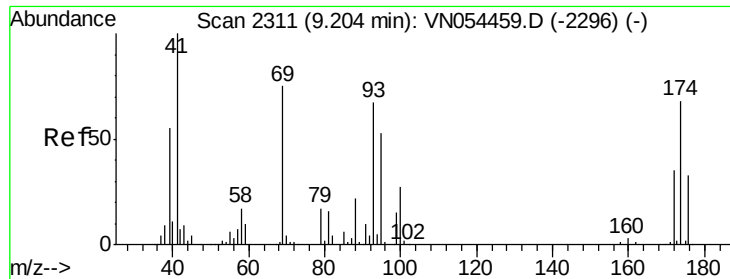


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)





#49

1,4-Dioxane

Concen: 1103.529 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :

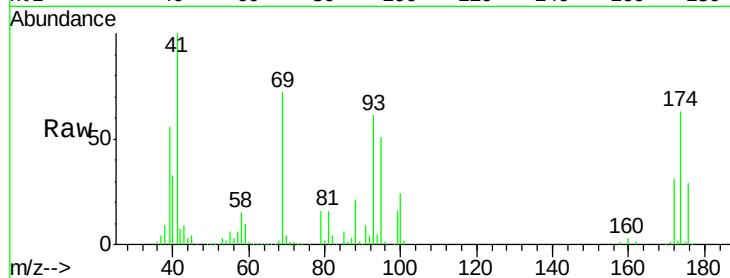
Tot Ion: 88 Resp: 58662

Ion Ratio Lower Upper

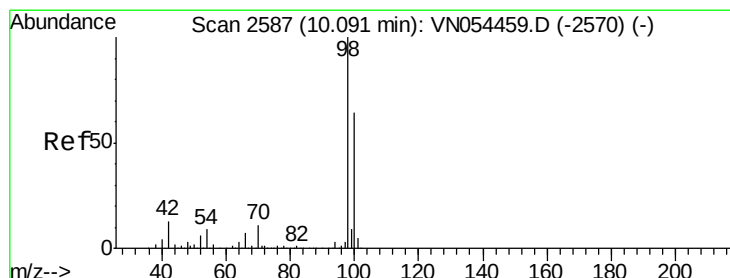
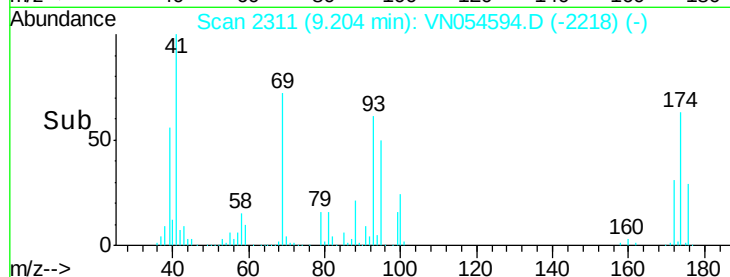
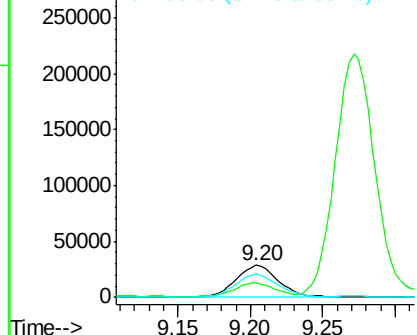
88 100

43 41.4 24.1 36.1#

58 73.6 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: 51.481 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054594.D

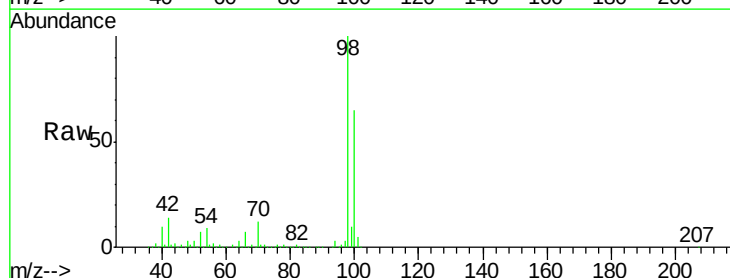
Acq: 23 Mar 2019 8:45

Tgt Ion: 98 Resp: 972617

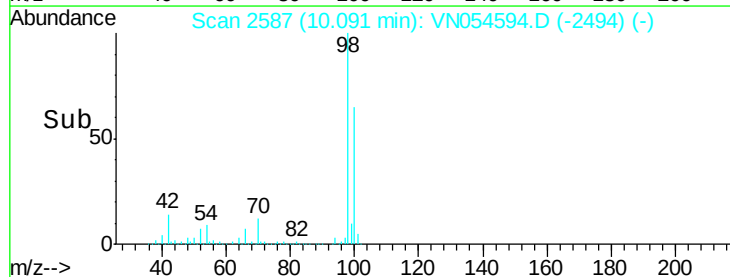
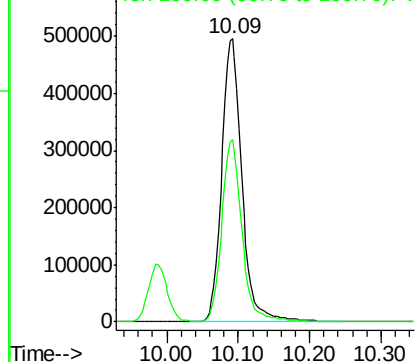
Ion Ratio Lower Upper

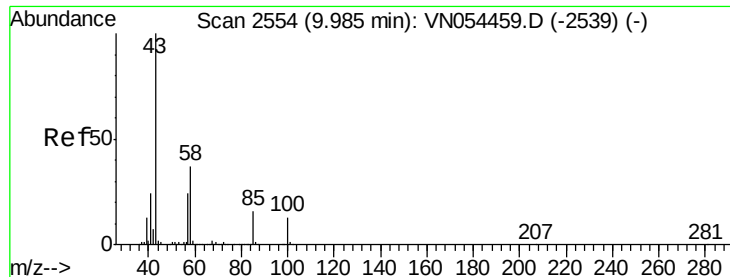
98 100

100 64.3 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: 309.696 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

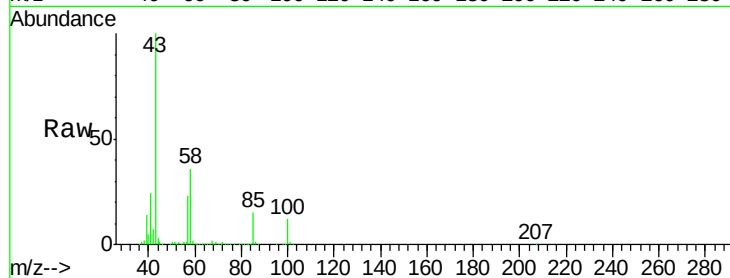
ClientSampled :

Tot Ion: 43 Resp: 1503657

Ion Ratio Lower Upper

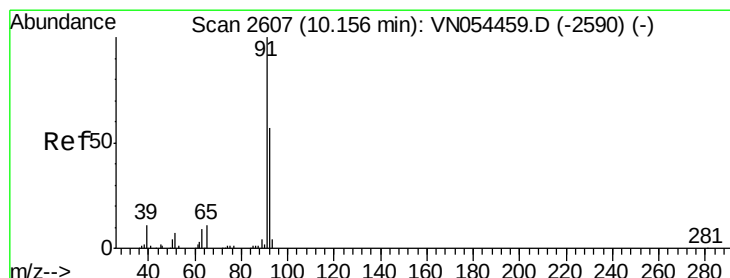
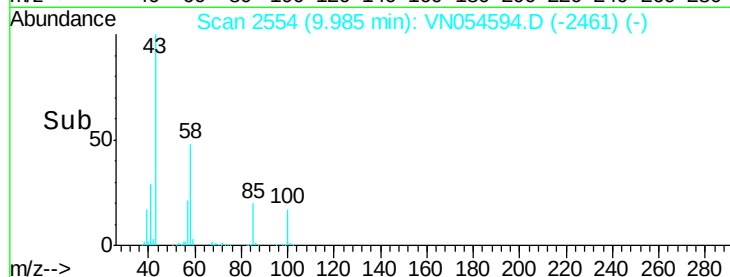
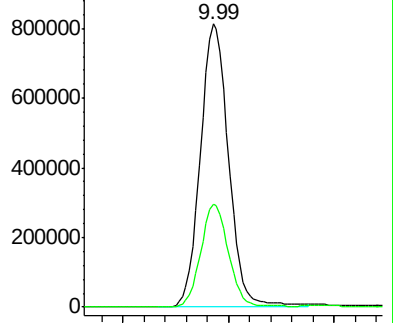
43 100

58 35.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.053 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054594.D

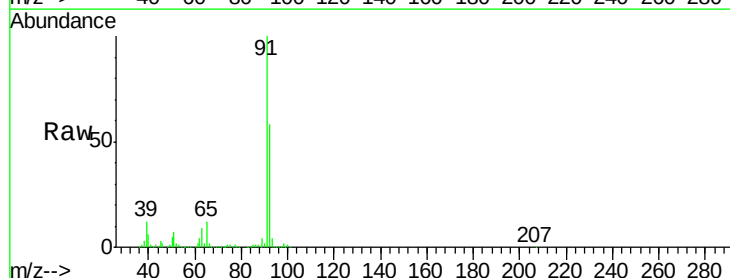
Acq: 23 Mar 2019 8:45

Tgt Ion: 92 Resp: 654892

Ion Ratio Lower Upper

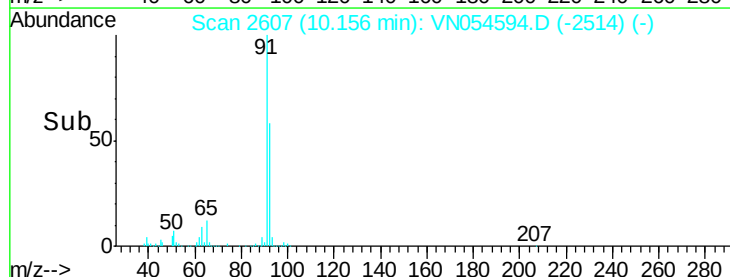
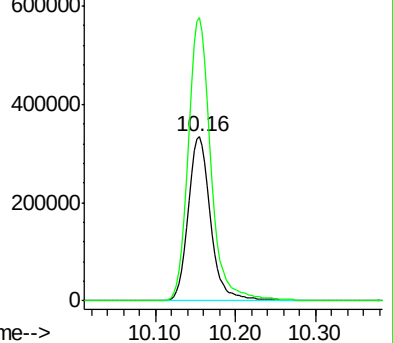
92 100

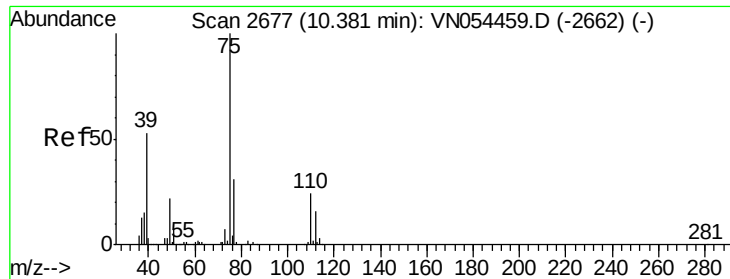
91 173.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 44.688 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

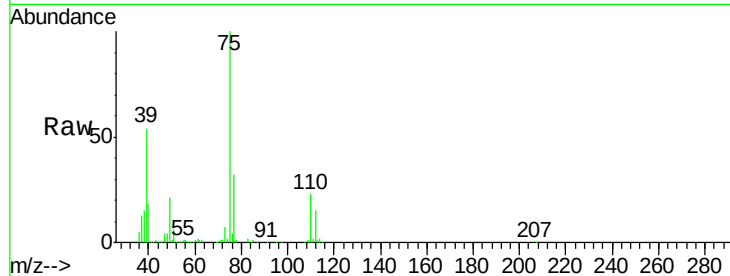
ClientSampleId :

Tot Ion: 75 Resp: 325047

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

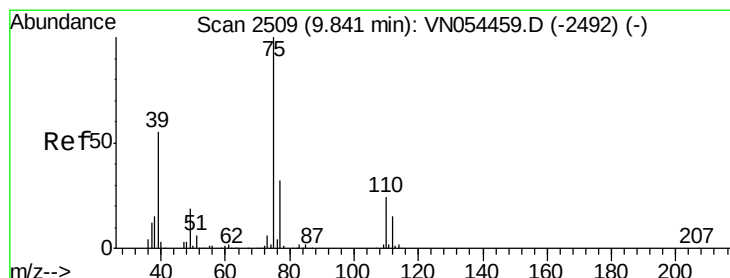
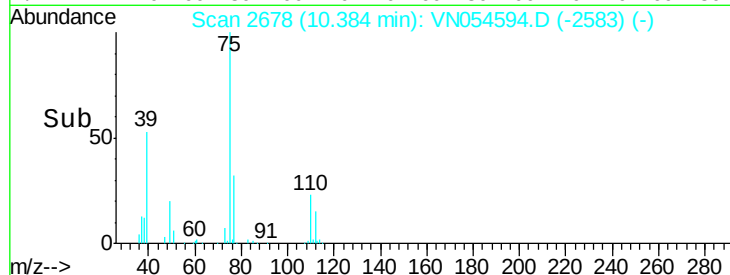
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.971 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

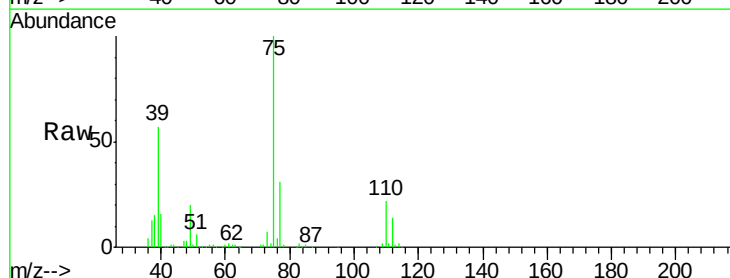
Tgt Ion: 75 Resp: 397284

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 57.1 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

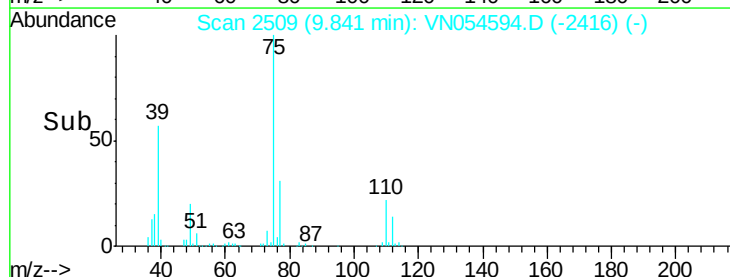
150000

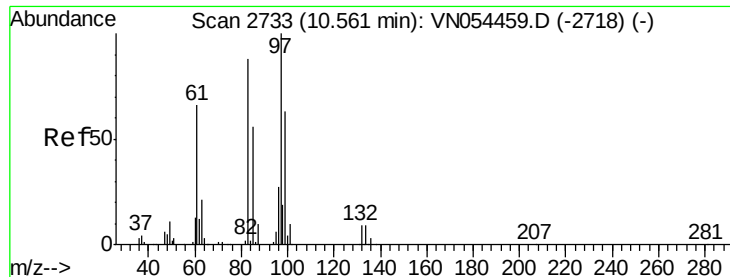
100000

50000

0

Time-->

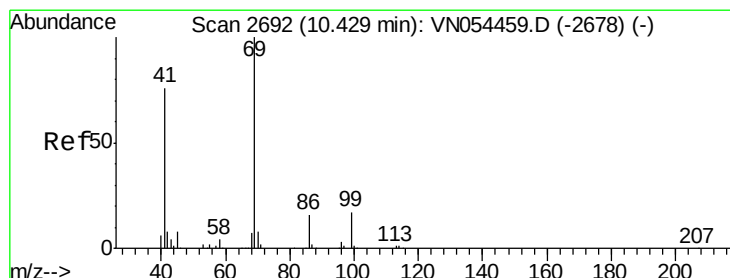
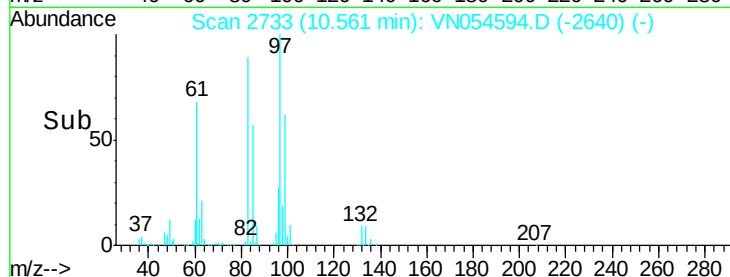
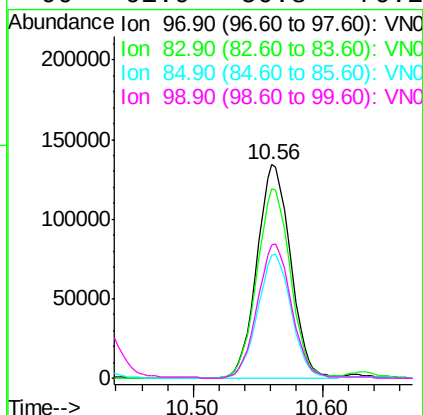
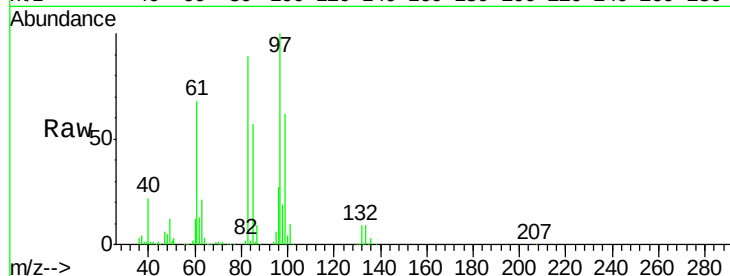




#55
 1,1,2-Trichloroethane
 Concen: 53.169 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

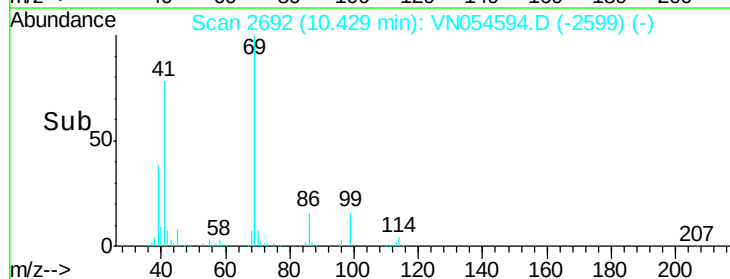
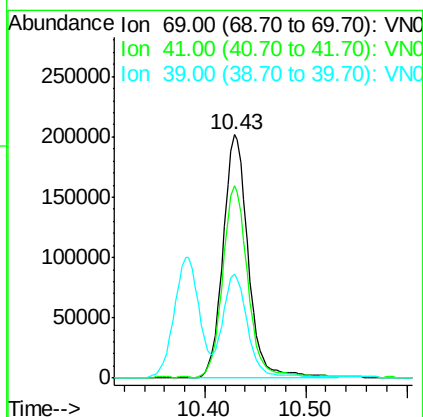
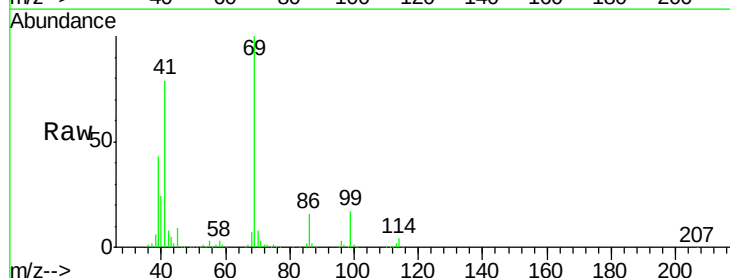
Instrument :
 MSVOA_N
 ClientSampleId :

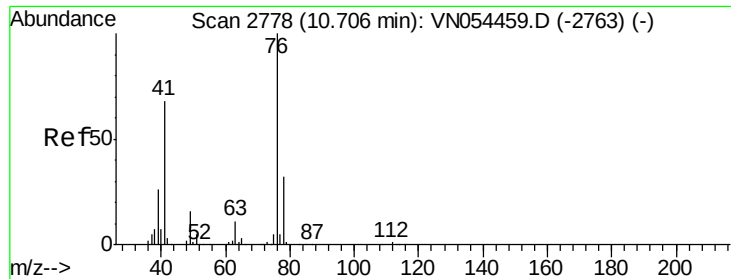
Tot Ion:	97	Resp:	245165
Ion	Ratio	Lower	Upper
97	100		
83	88.8	66.6	100.0
85	57.2	44.4	66.6
99	61.9	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 56.942 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion:	69	Resp:	352409
Ion	Ratio	Lower	Upper
69	100		
41	77.7	49.4	74.2#
39	41.1	28.3	42.5

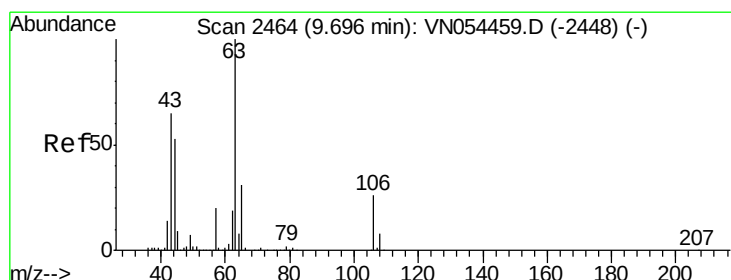
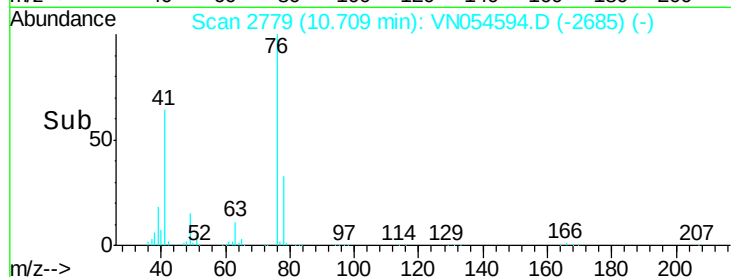
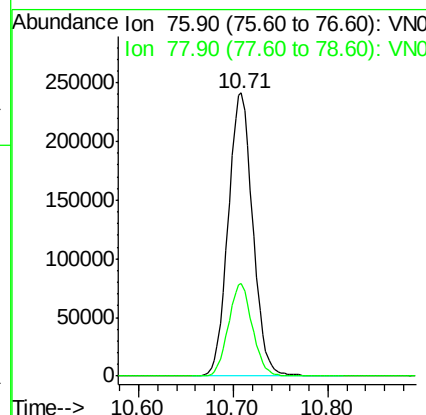
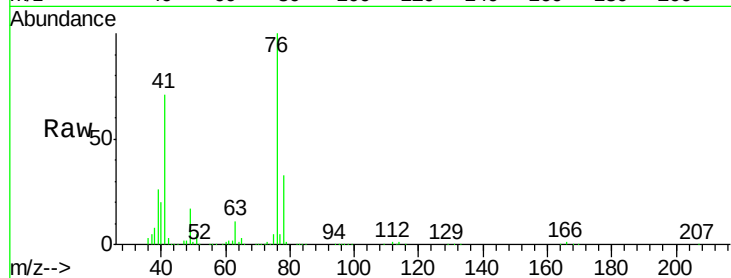




#57
 1,3-Dichloropropane
 Concen: 54.486 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

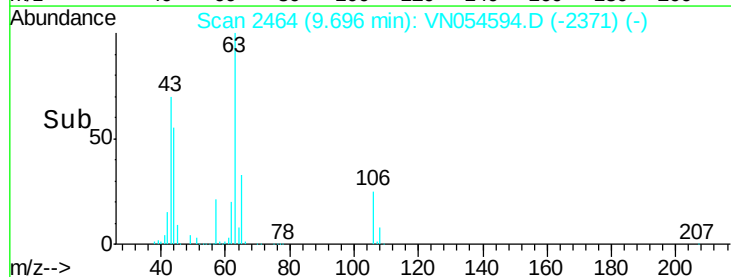
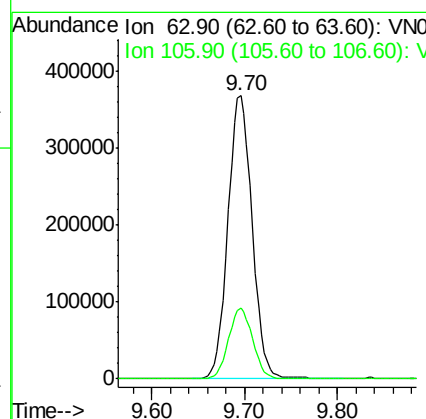
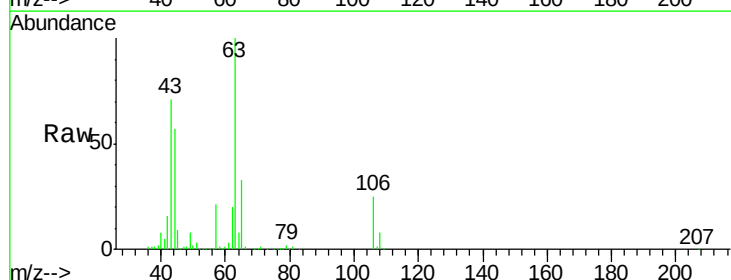
Instrument :
 MSVOA_N
 ClientSampled :

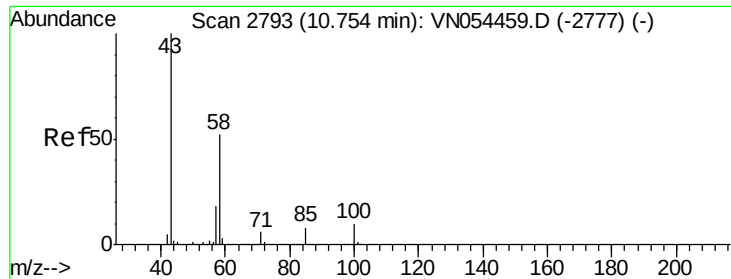
Tot Ion: 76 Resp: 436728
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.941 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 63 Resp: 667549
 Ion Ratio Lower Upper
 63 100
 106 24.9 24.4 36.6

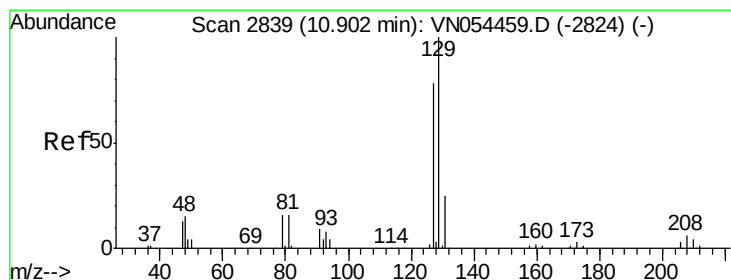
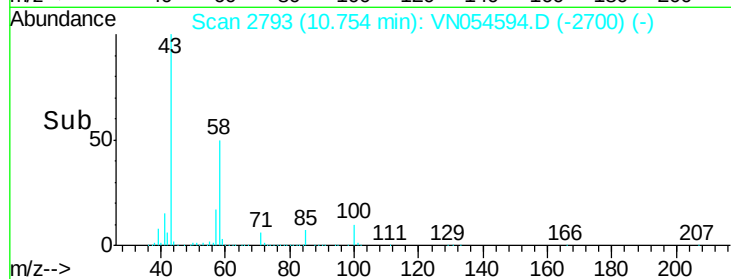
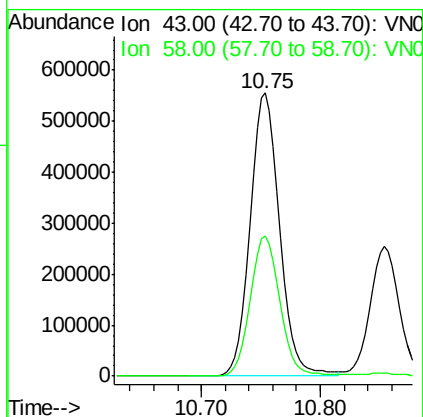
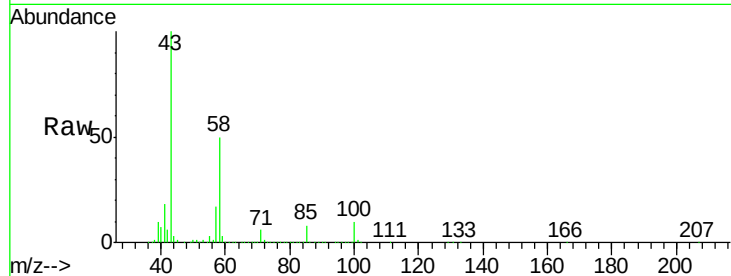




#59
2-Hexanone
Concen: 298.750 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

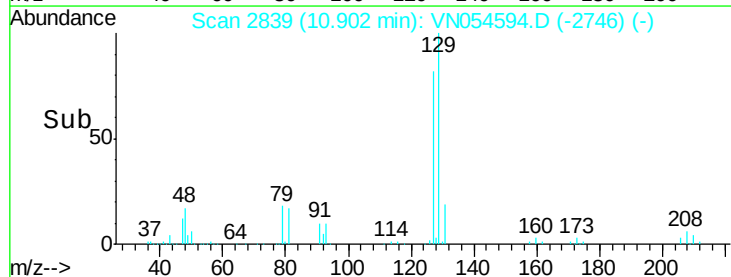
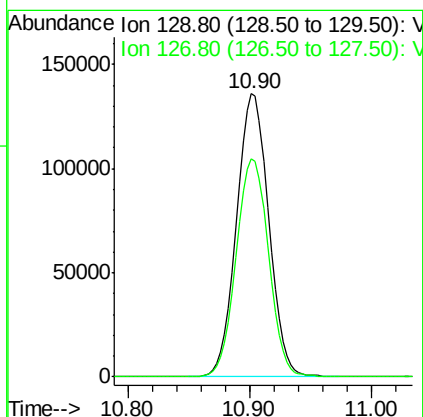
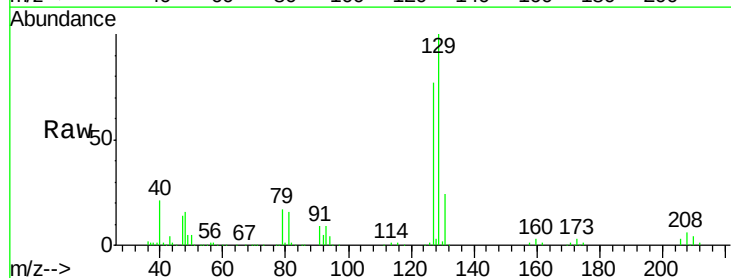
Instrument :
MSVOA_N
ClientSampled :

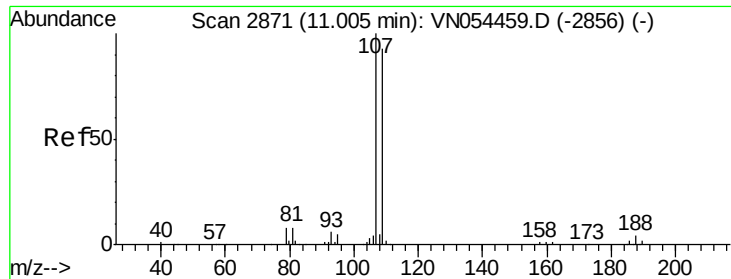
Tot Ion: 43 Resp: 947456
Ion Ratio Lower Upper
43 100
58 50.3 28.0 83.9



#60
Dibromochloromethane
Concen: 50.570 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 129 Resp: 248125
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

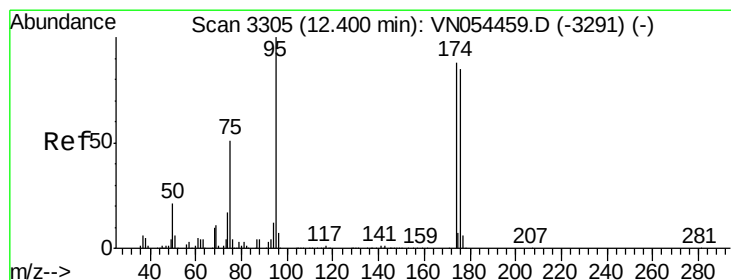
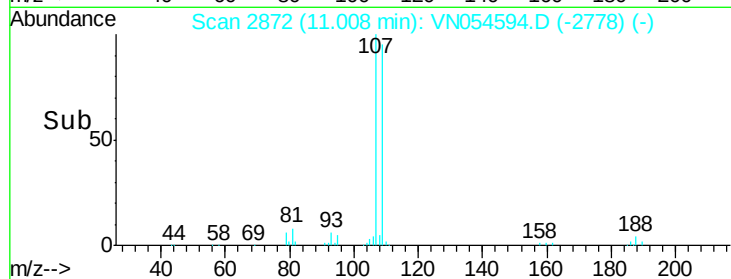
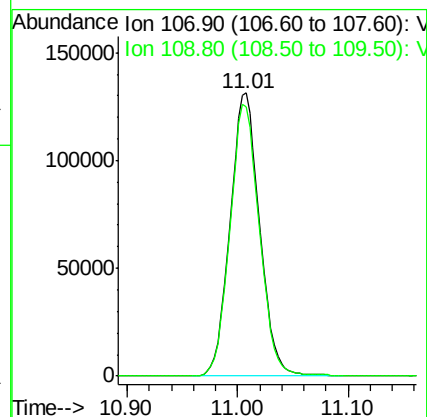
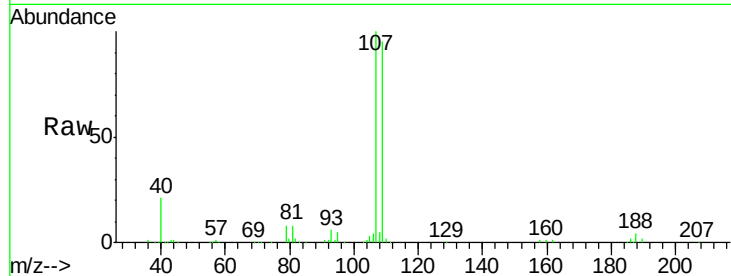




#61
 1,2-Dibromoethane
 Concen: 53.404 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

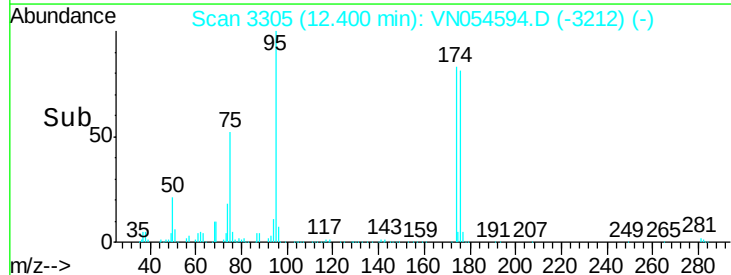
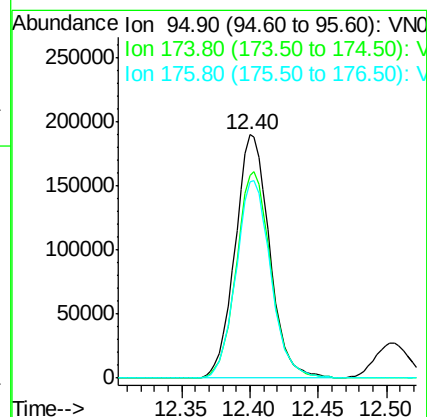
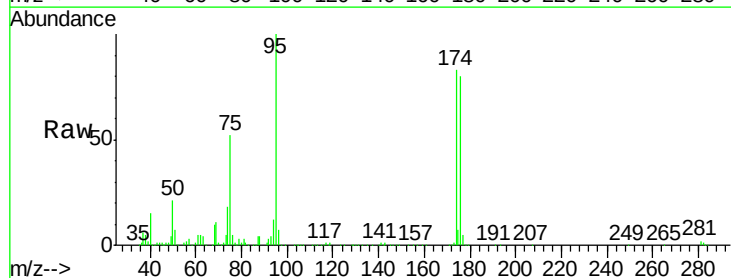
Instrument :
 MSVOA_N
 ClientSampled :

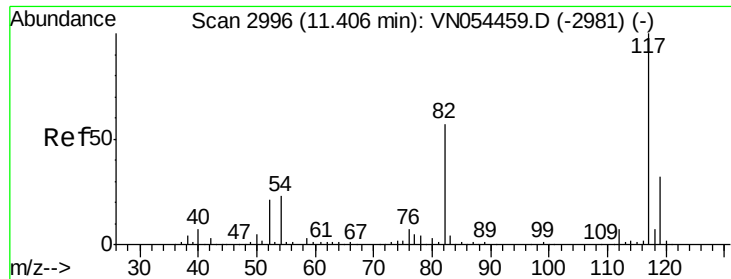
Tot Ion: 107 Resp: 243446
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.542 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion: 95 Resp: 331356
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 191.0
 176 81.9 0.0 187.4

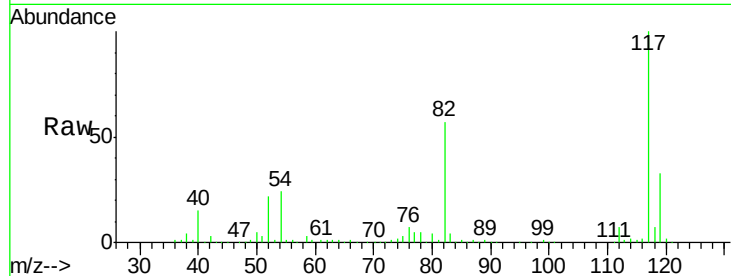




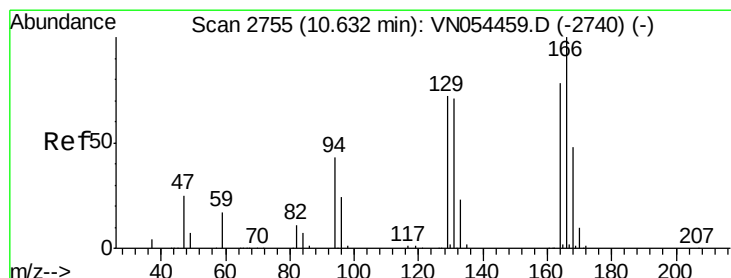
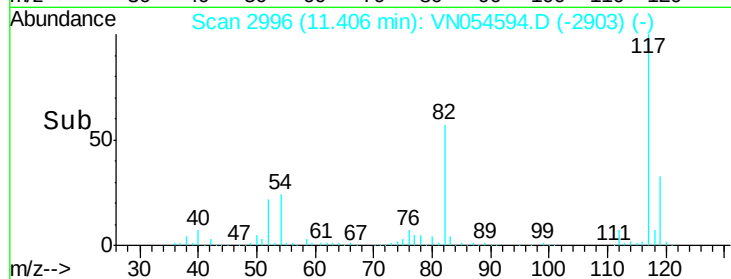
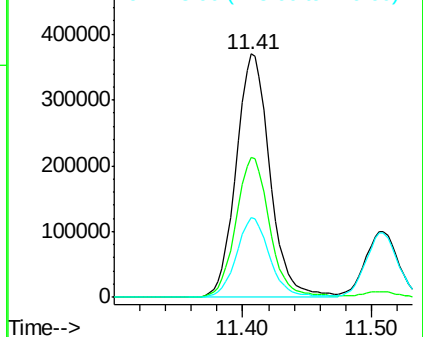
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 674428
Ion Ratio Lower Upper
117 100
82 57.2 40.0 60.0
119 32.6 25.8 38.6

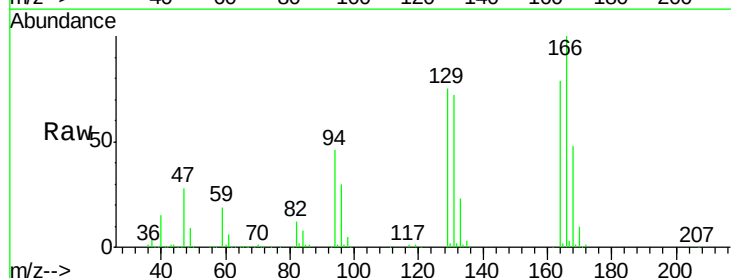


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

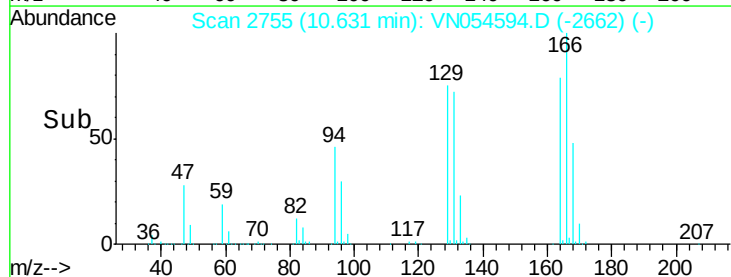
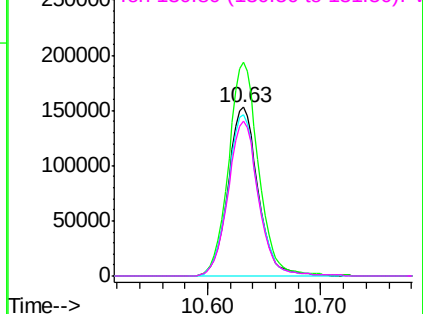


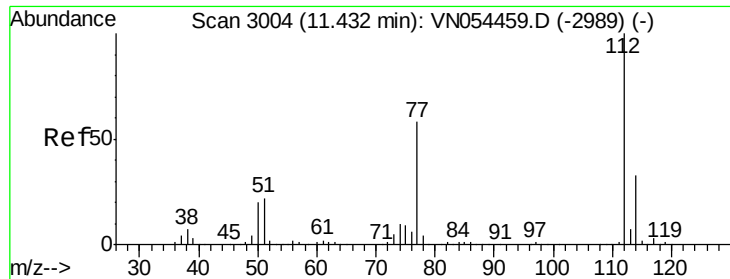
#64
Tetrachloroethene
Concen: 50.518 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion:164 Resp: 282601
Ion Ratio Lower Upper
164 100
166 126.7 103.9 155.9
129 95.5 71.1 106.7
131 91.5 68.2 102.4



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

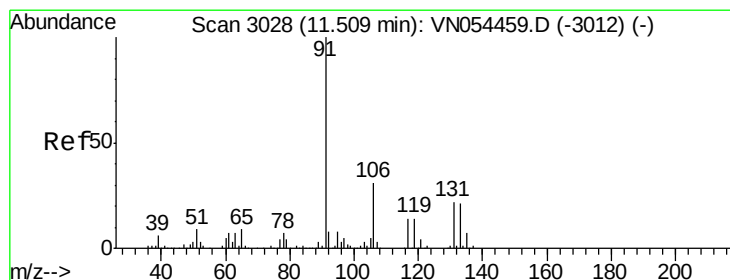
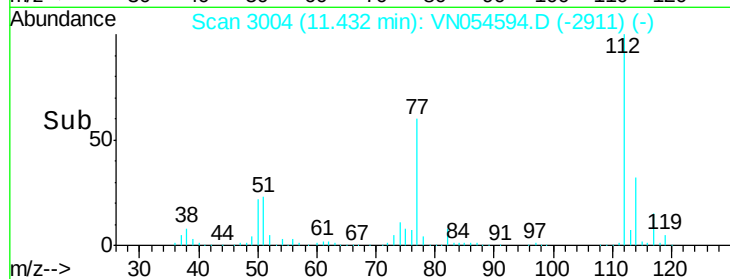
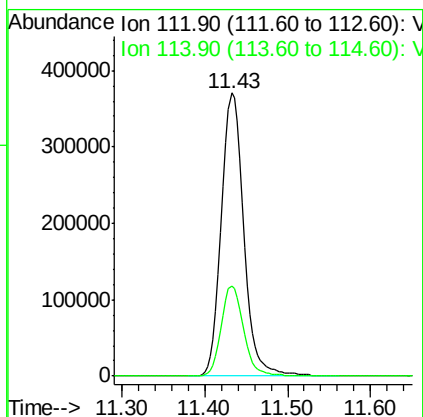
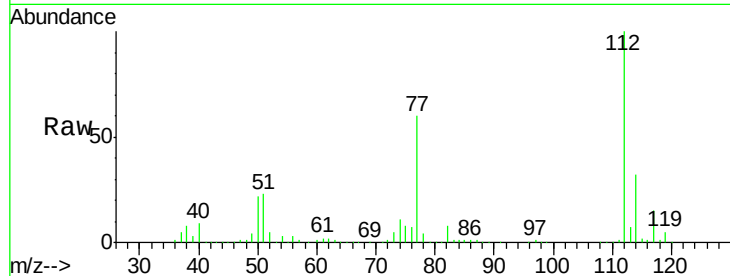




#65
Chlorobenzene
Concen: 50.814 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

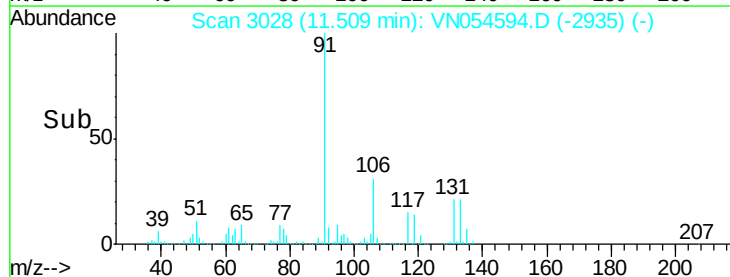
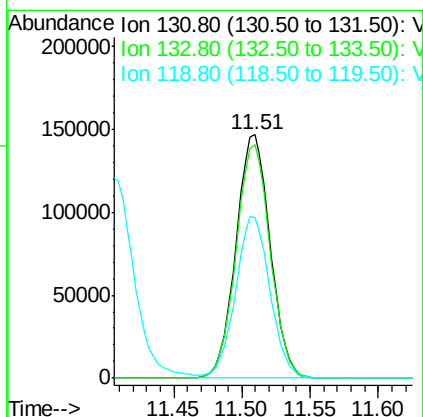
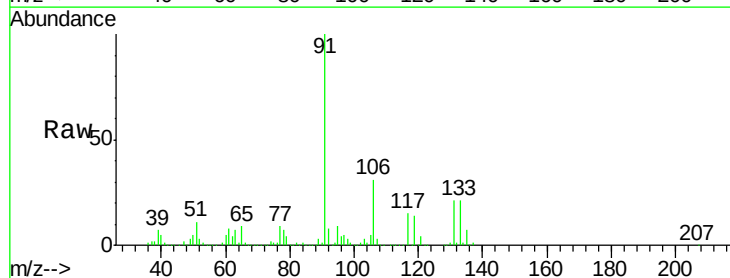
Instrument :
MSVOA_N
ClientSampleId :

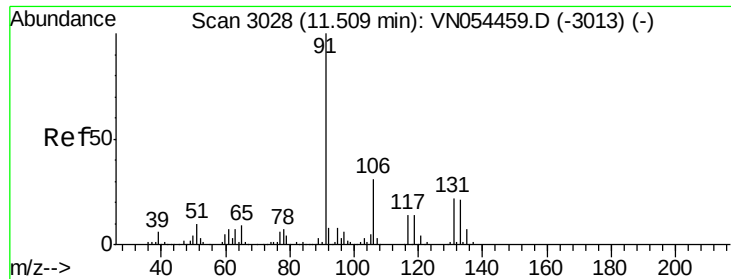
Tot Ion:112 Resp: 697017
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.947 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion:131 Resp: 255762
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 66.7 32.4 97.0

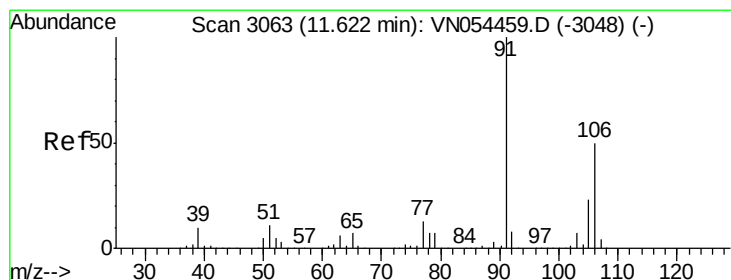
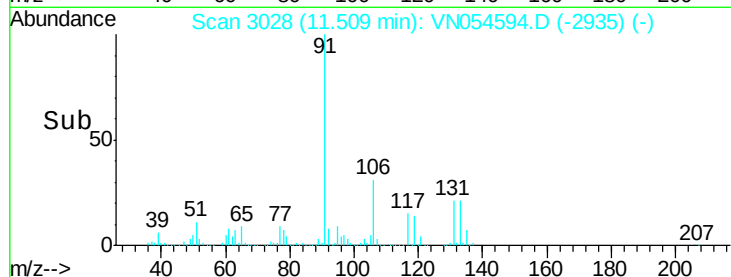
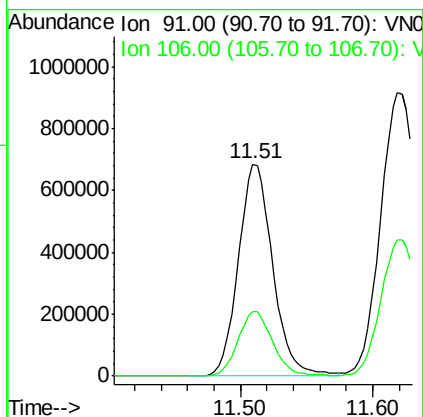
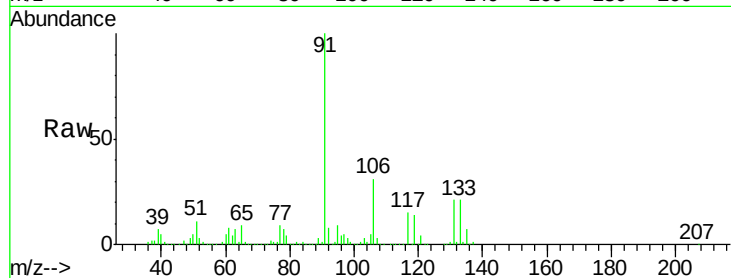




#67
Ethyl Benzene
Concen: 50.918 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

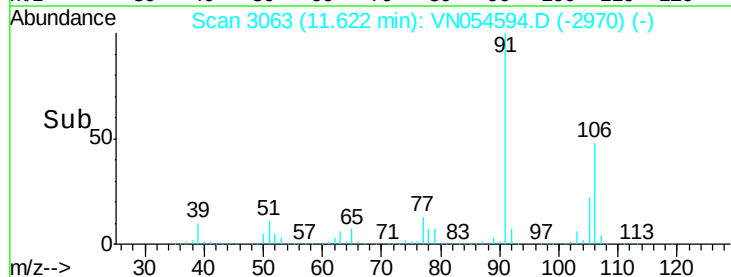
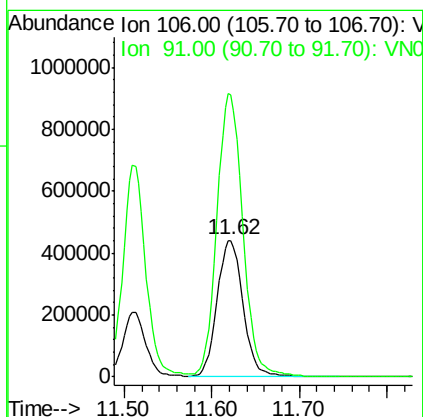
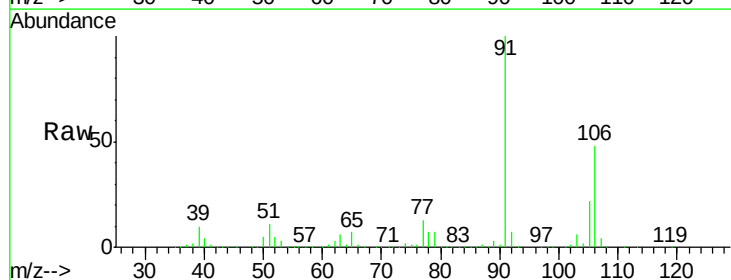
Instrument :
MSVOA_N
ClientSampled :

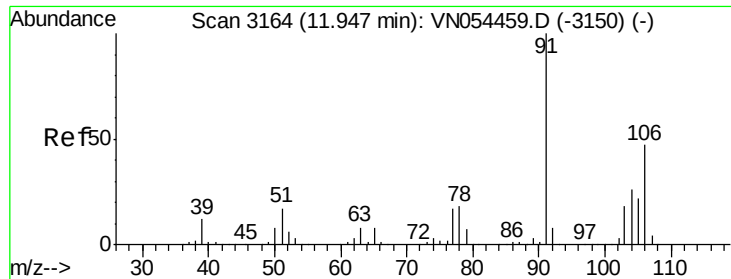
Tot Ion: 91 Resp: 1233752
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3



#68
m/p-Xylenes
Concen: 98.952 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion: 106 Resp: 908169
Ion Ratio Lower Upper
106 100
91 207.5 159.4 239.2

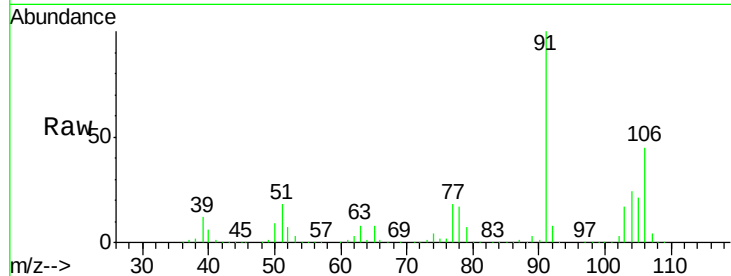




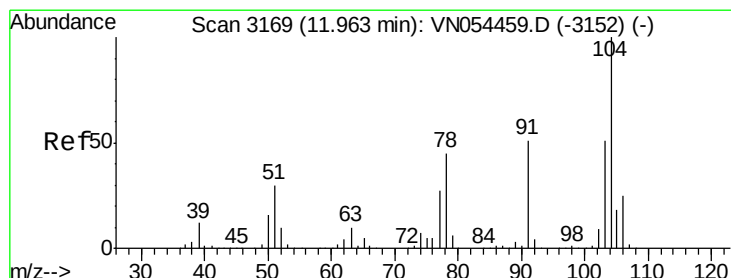
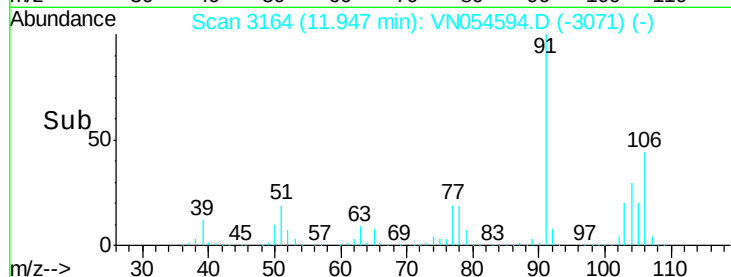
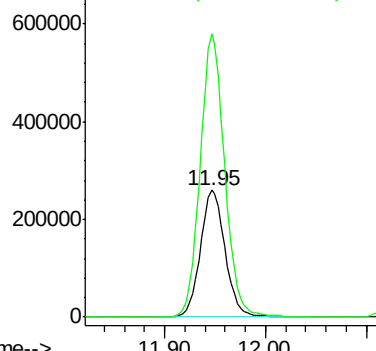
#69
o-Xylene
Concen: 49.635 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 444881
Ion Ratio Lower Upper
106 100
91 220.7 105.7 317.1

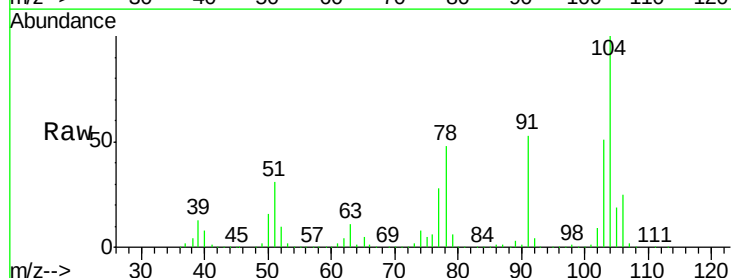


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

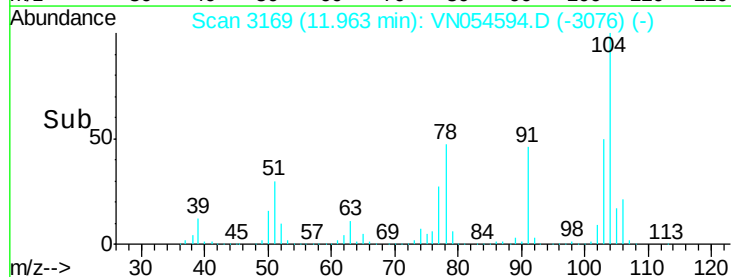
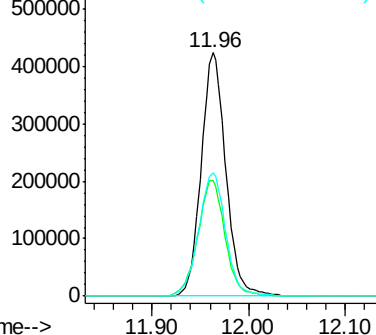


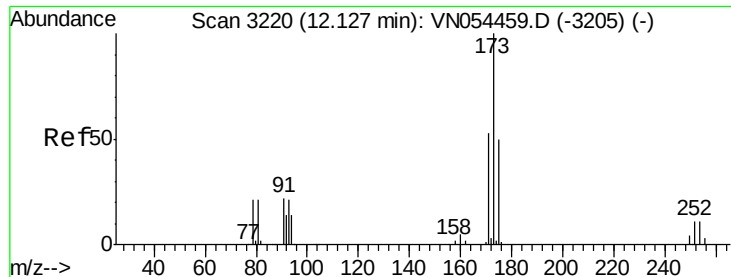
#70
Styrene
Concen: 51.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion:104 Resp: 749365
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.6 44.4 66.6



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

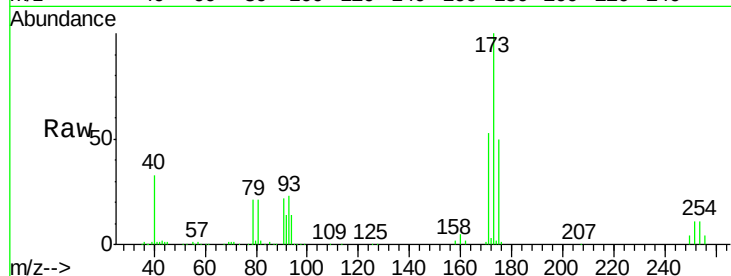




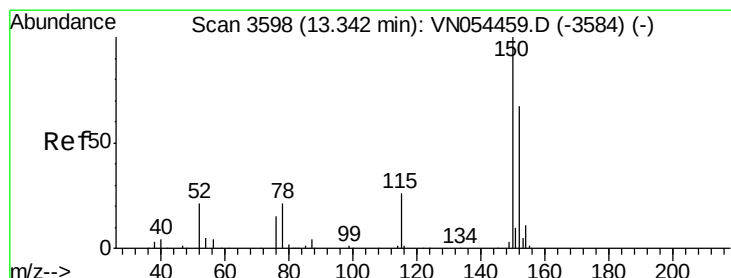
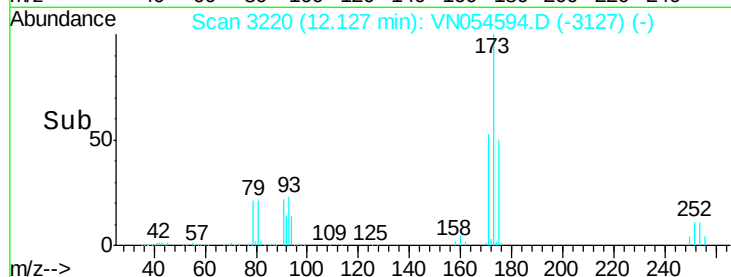
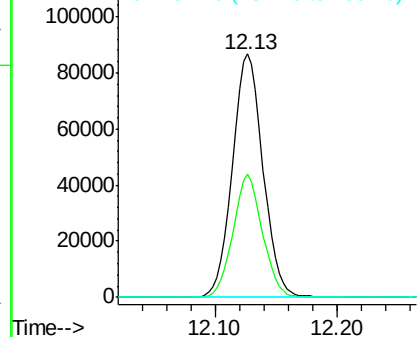
#71
Bromoform
Concen: 44.853 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 151436
Ion Ratio Lower Upper
173 100
175 48.5 24.4 73.2
254 0.0 0.1 0.1#

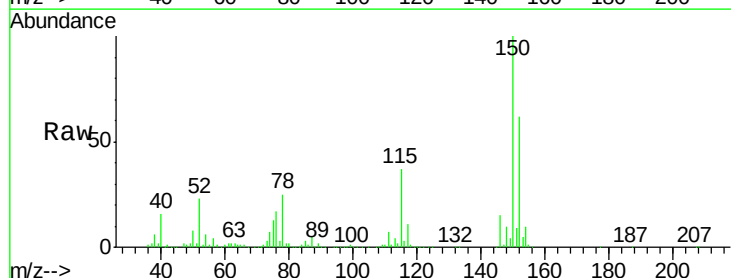


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

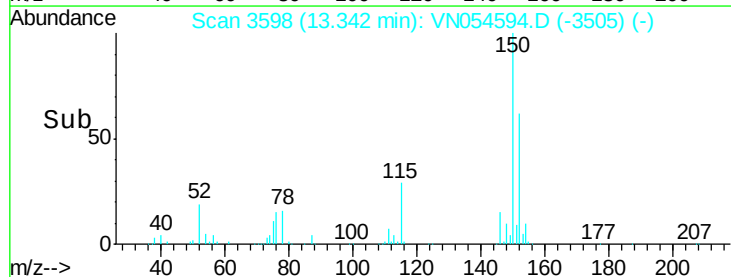
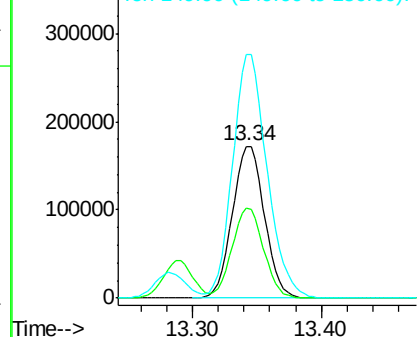


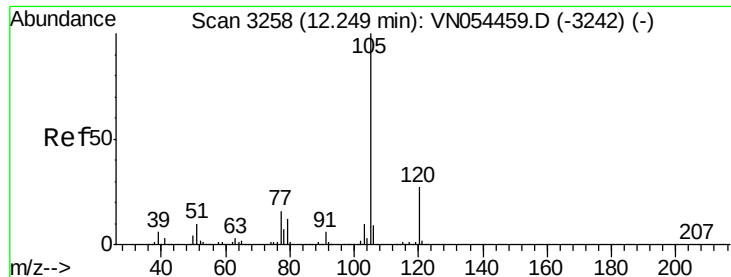
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion:152 Resp: 296085
Ion Ratio Lower Upper
152 100
115 58.4 27.2 81.6
150 172.6 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: 49.304 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

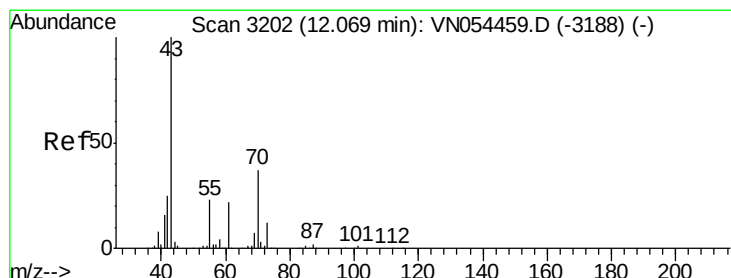
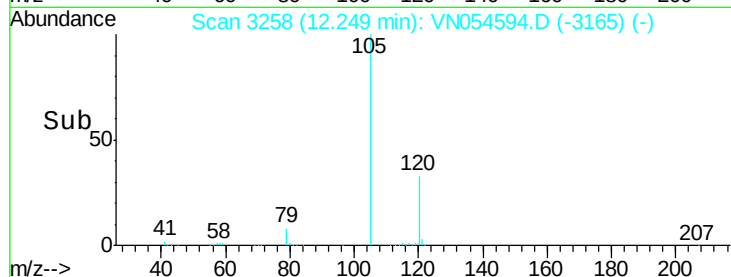
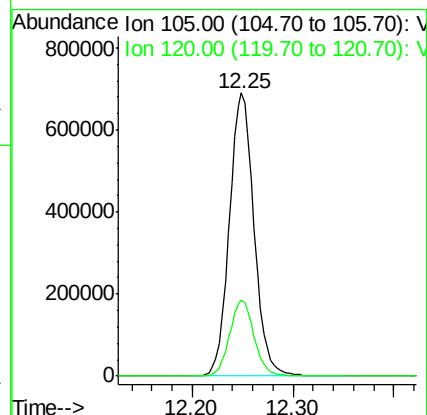
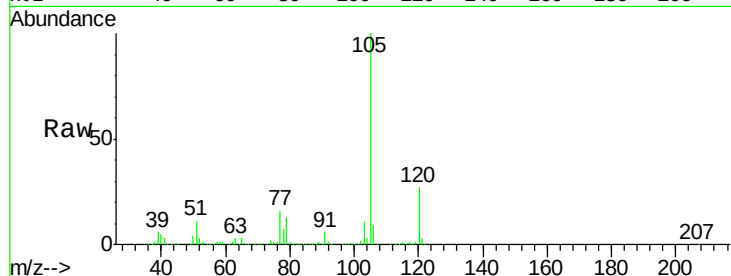
ClientSampleId :

Tot Ion:105 Resp: 1176346

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



#74

N-ethyl acetate

Concen: 61.616 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Tgt Ion: 43 Resp: 422707

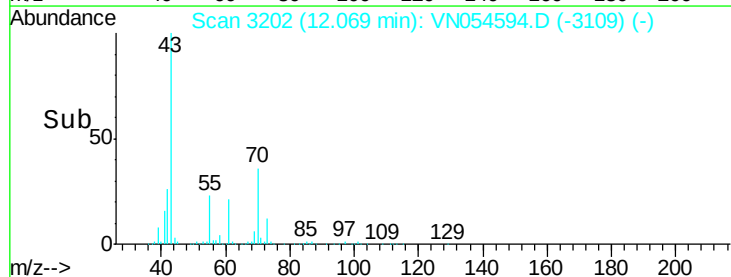
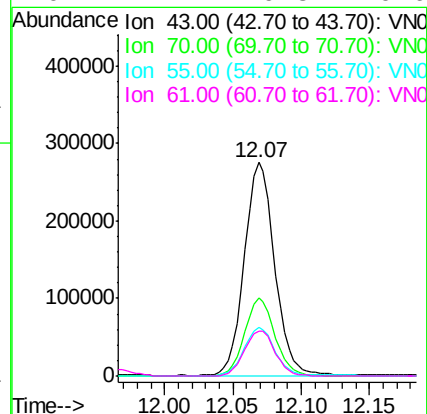
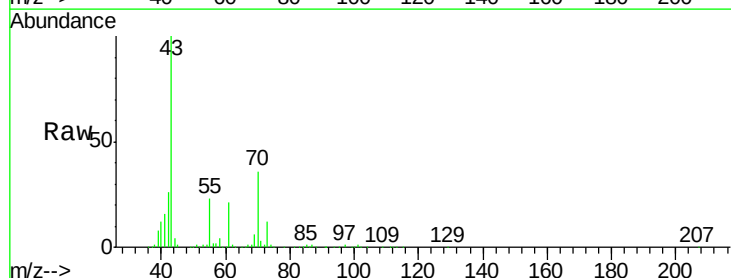
Ion Ratio Lower Upper

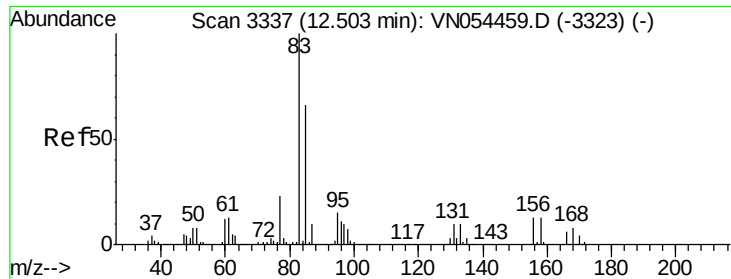
43 100

70 36.8 35.4 53.0

55 23.1 19.8 29.6

61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.574 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampled :

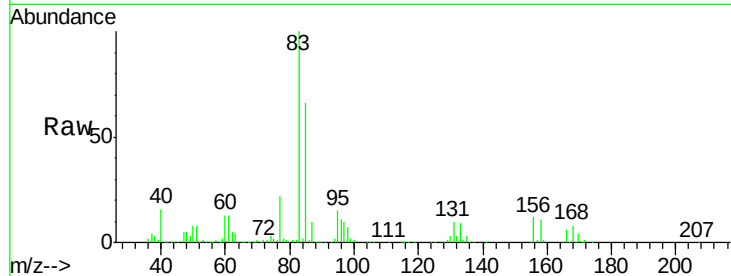
Tot Ion: 83 Resp: 302681

Ion Ratio Lower Upper

83 100

131 10.4 5.8 17.4

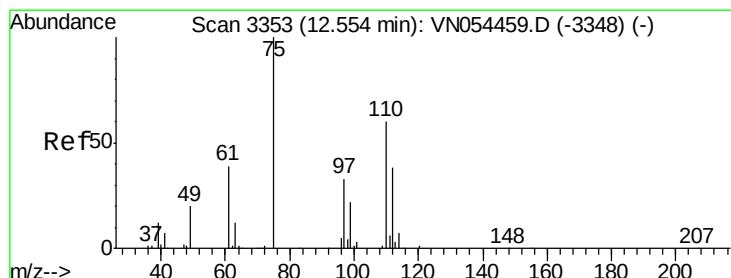
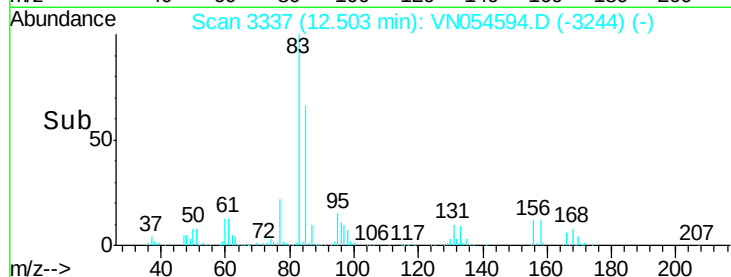
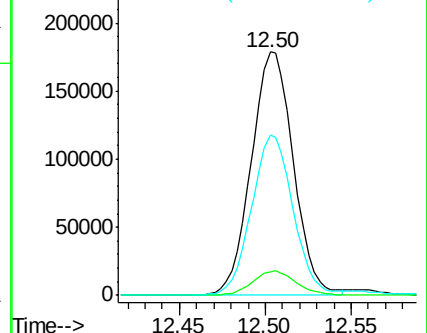
85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 77.287 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054594.D

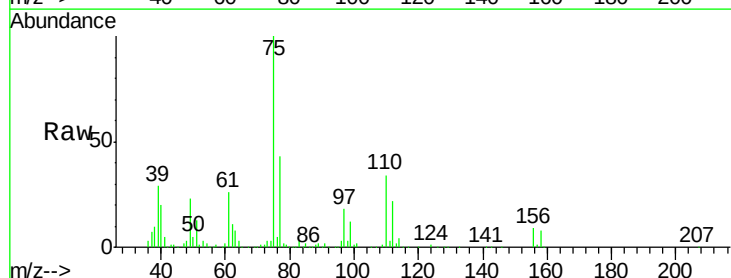
Acq: 23 Mar 2019 8:45

Tgt Ion: 75 Resp: 363128

Ion Ratio Lower Upper

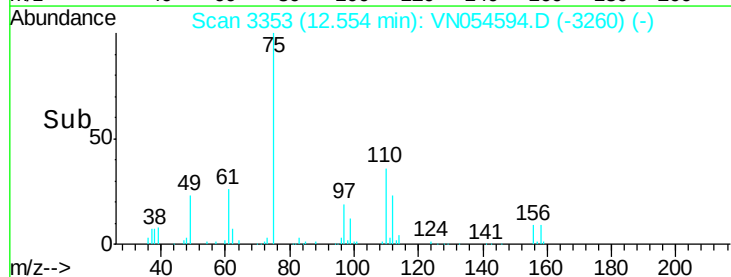
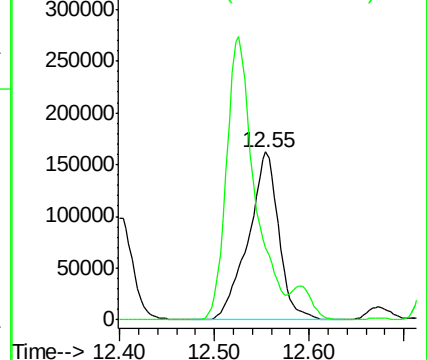
75 100

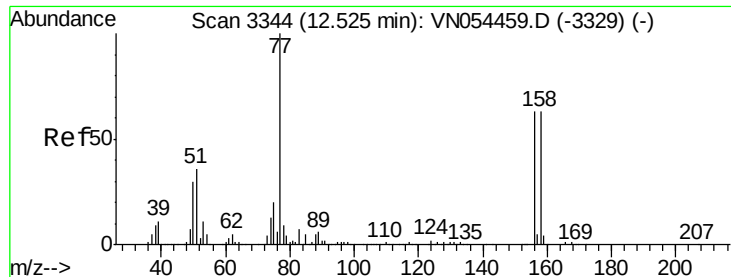
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 49.569 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampled :

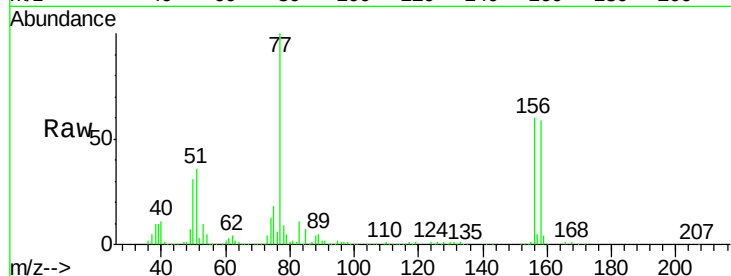
Tot Ion:156 Resp: 293318

Ion Ratio Lower Upper

156 100

77 194.4 81.5 244.4

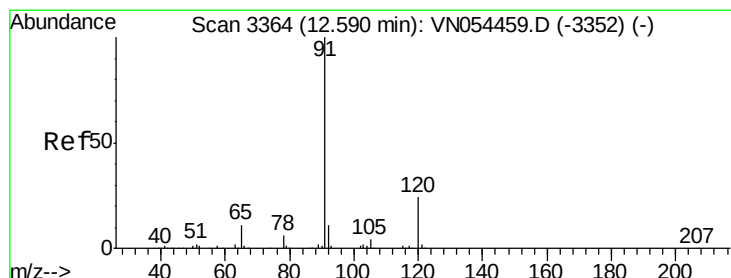
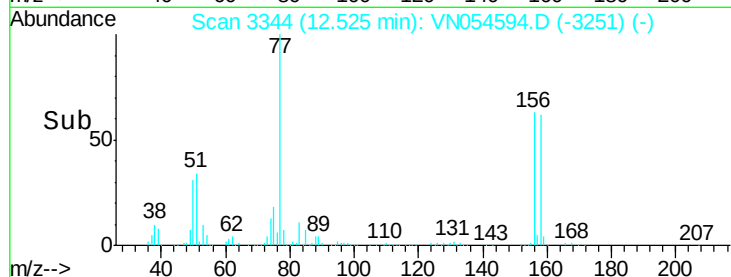
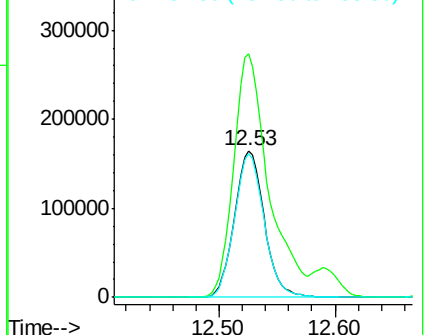
158 97.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.958 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054594.D

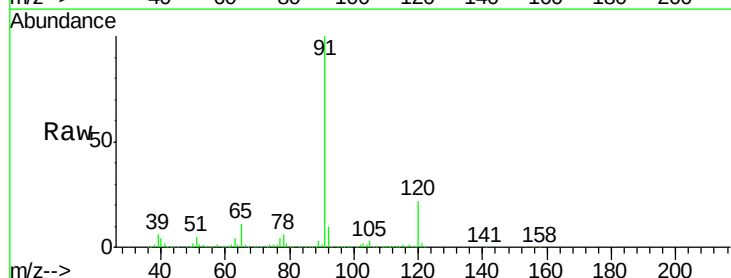
Acq: 23 Mar 2019 8:45

Tgt Ion: 91 Resp: 1292502

Ion Ratio Lower Upper

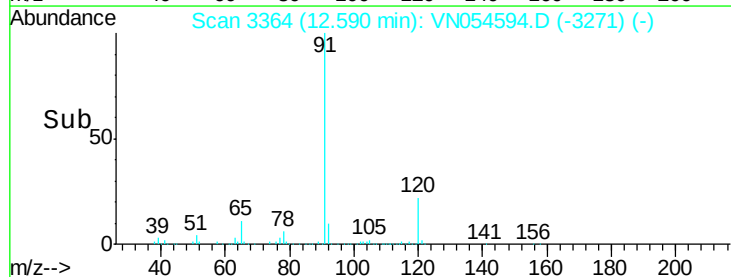
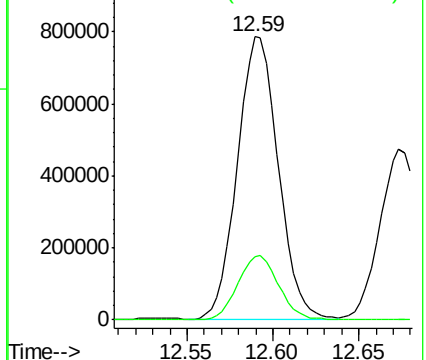
91 100

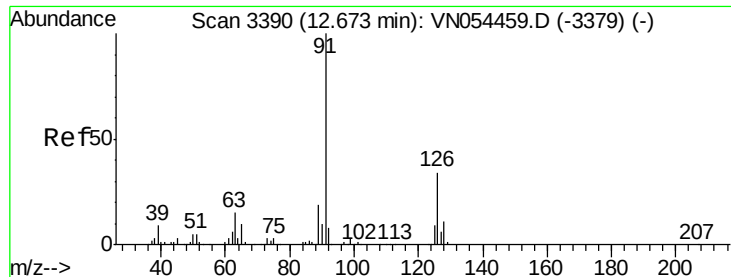
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.287 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

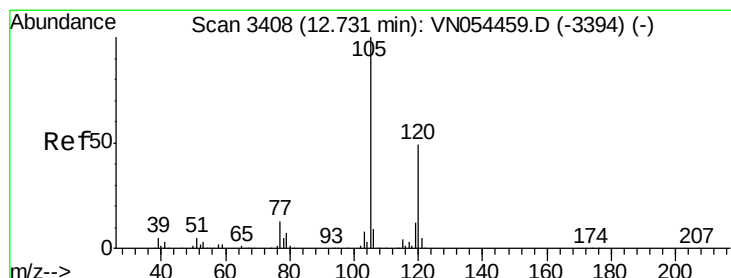
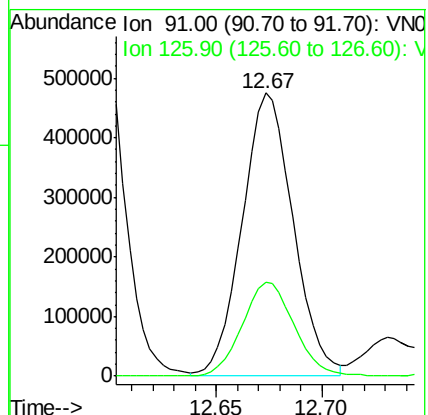
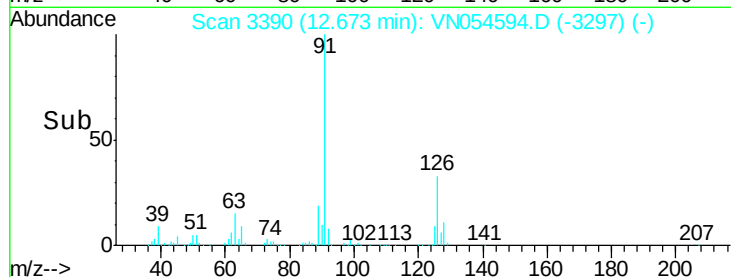
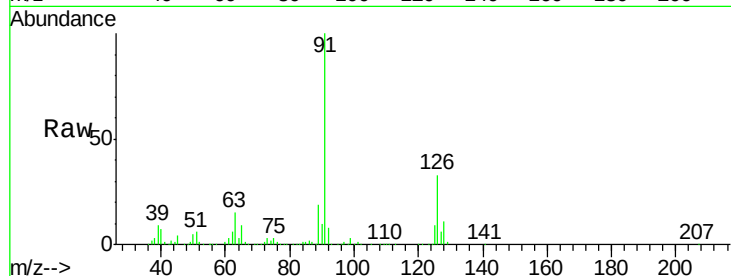
ClientSampleId :

Tot Ion: 91 Resp: 795180

Ion Ratio Lower Upper

91 100

126 34.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 49.064 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054594.D

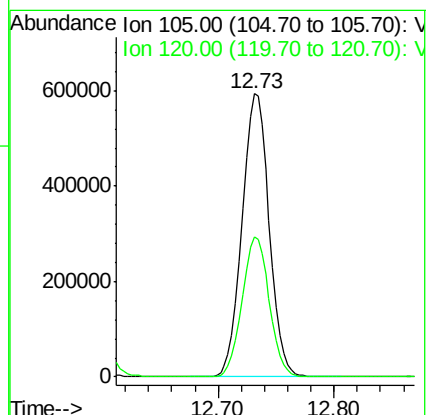
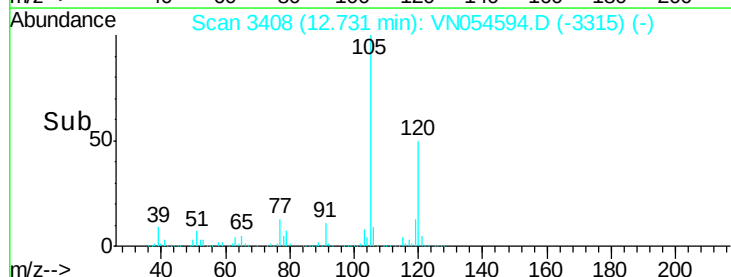
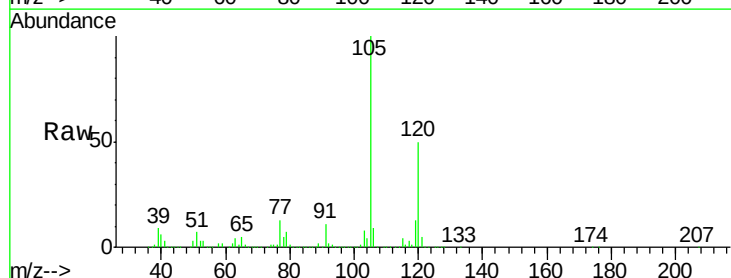
Acq: 23 Mar 2019 8:45

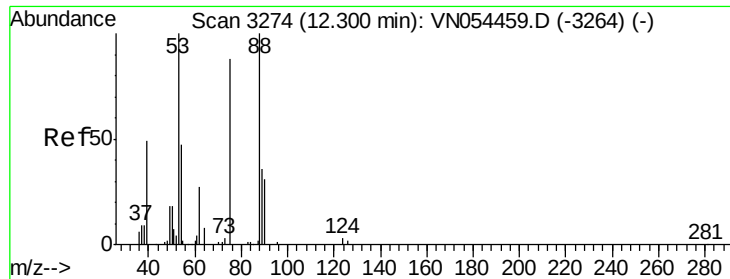
Tgt Ion: 105 Resp: 959428

Ion Ratio Lower Upper

105 100

120 49.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 38.955 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampled :

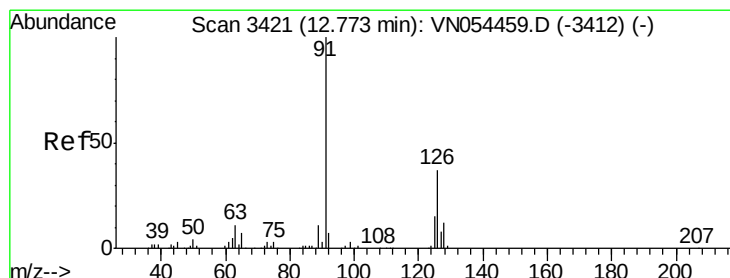
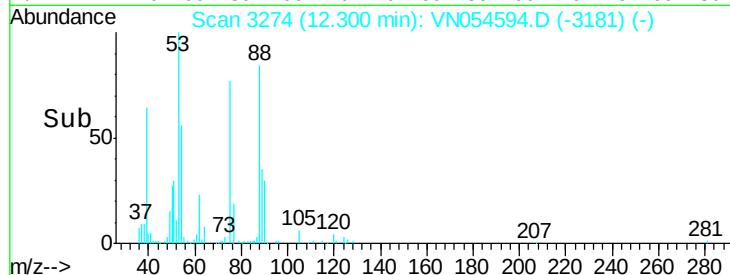
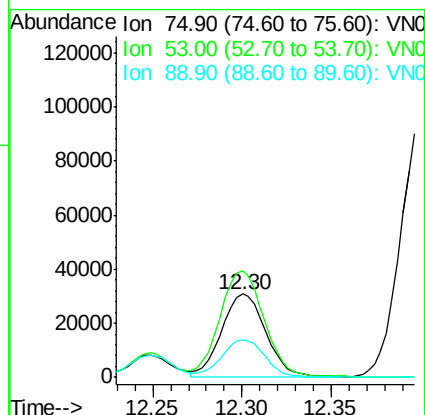
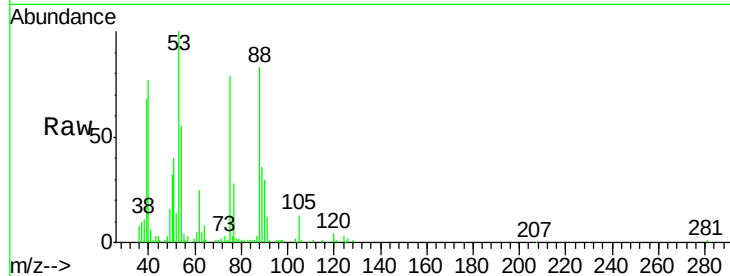
Tot Ion: 75 Resp: 52072

Ion Ratio Lower Upper

75 100

53 132.8 76.2 114.2#

89 45.0 39.2 58.8



#82

4-Chlorotoluene

Concen: 49.713 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054594.D

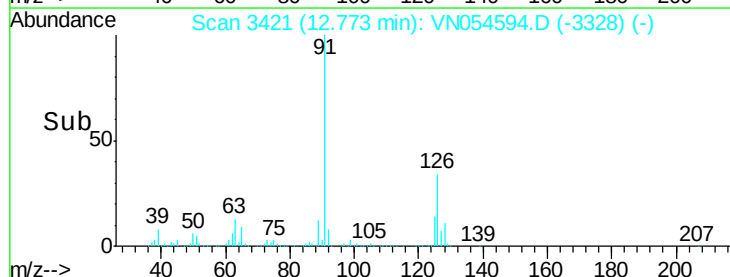
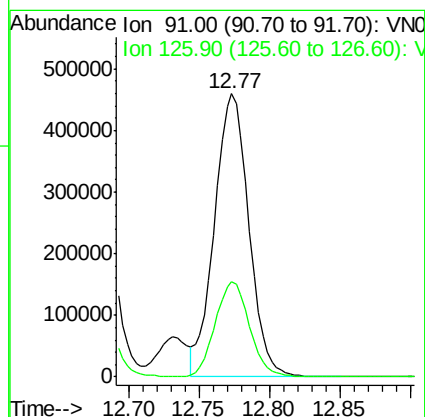
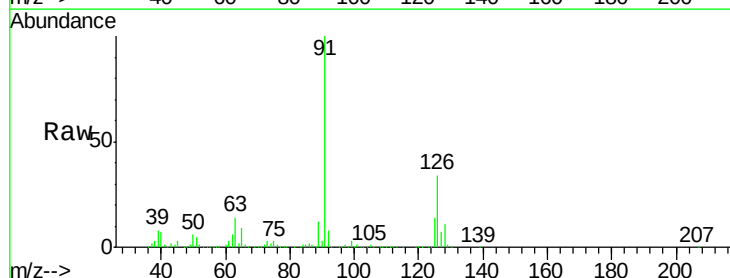
Acq: 23 Mar 2019 8:45

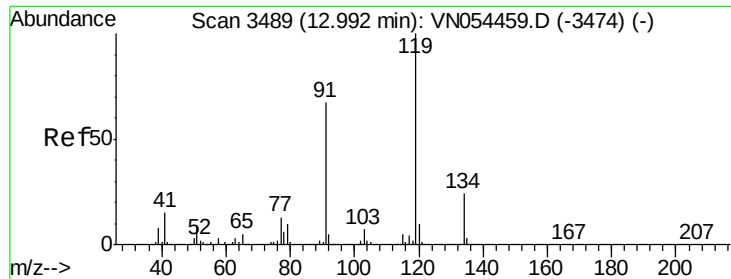
Tgt Ion: 91 Resp: 777439

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1

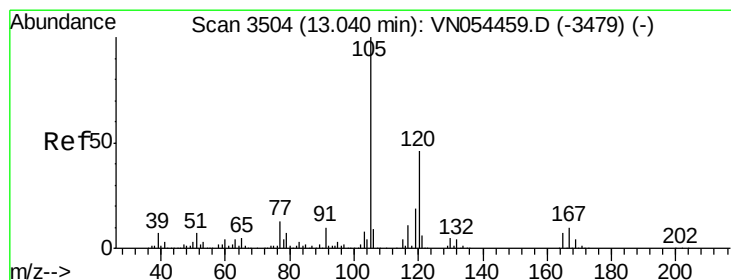
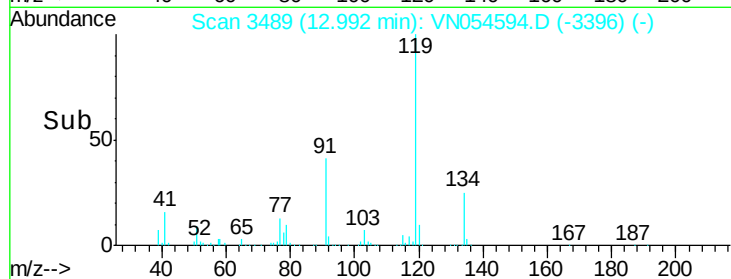
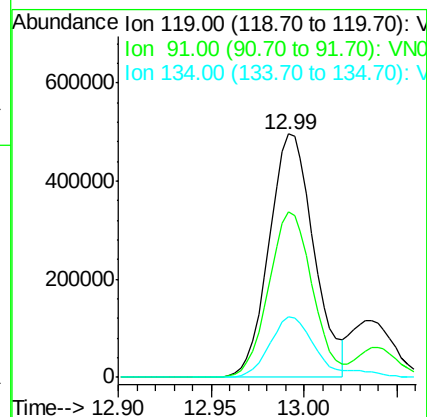
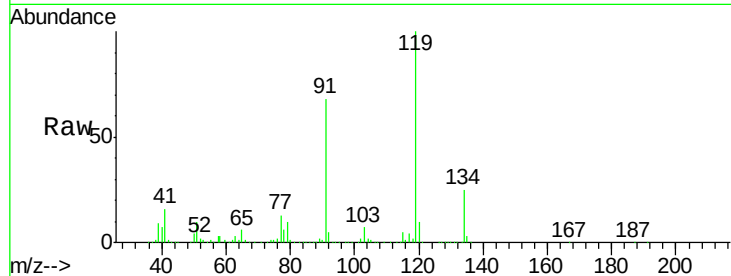




#83
 tert-Butylbenzene
 Concen: 49.080 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

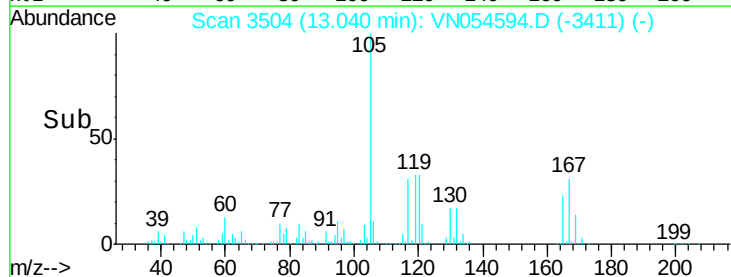
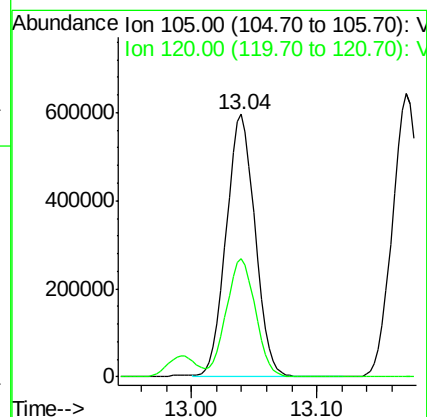
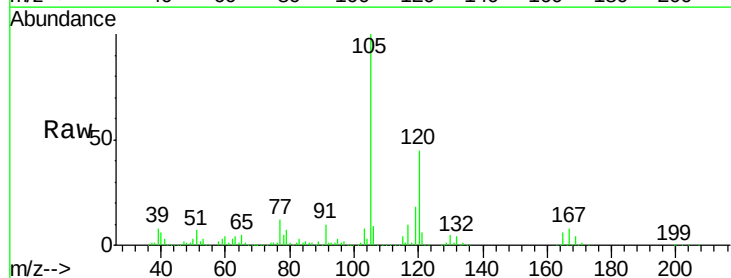
Instrument :
 MSVOA_N
 ClientSampled :

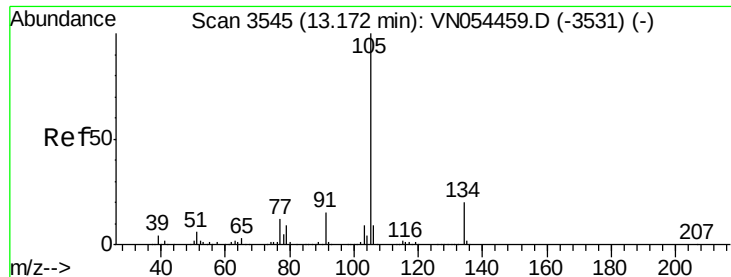
Tot Ion:119 Resp: 835410
 Ion Ratio Lower Upper
 119 100
 91 66.1 30.9 92.8
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.596 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion:105 Resp: 951620
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 48.870 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

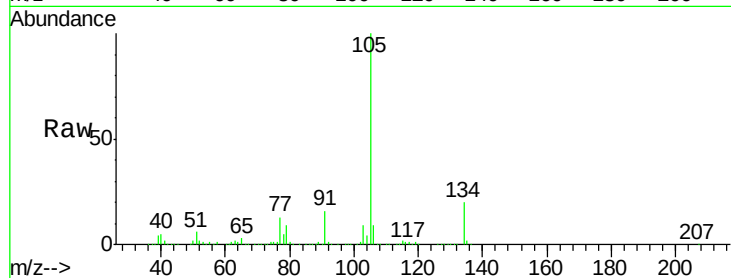
ClientSampleId :

Tot Ion:105 Resp: 1036941

Ion Ratio Lower Upper

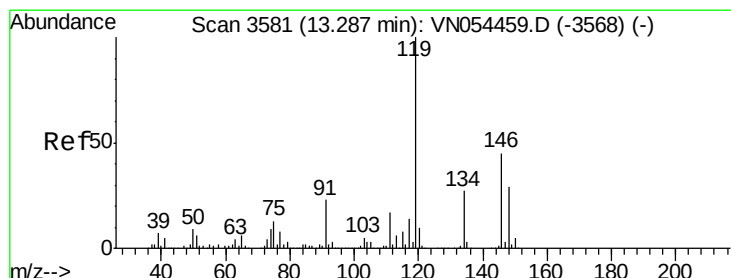
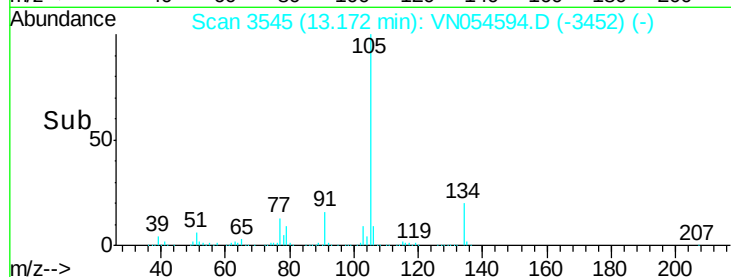
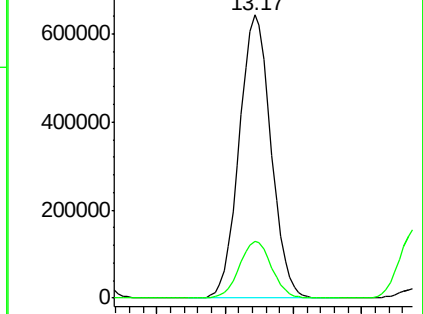
105 100

134 20.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.657 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

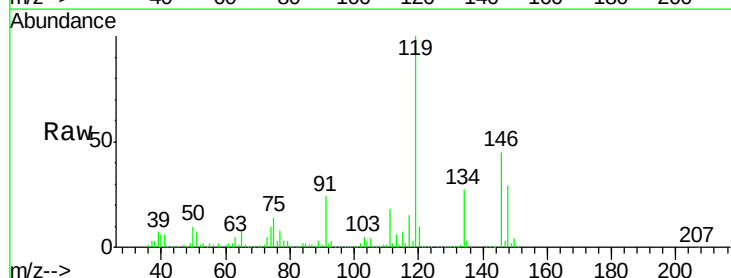
Tgt Ion:119 Resp: 923668

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

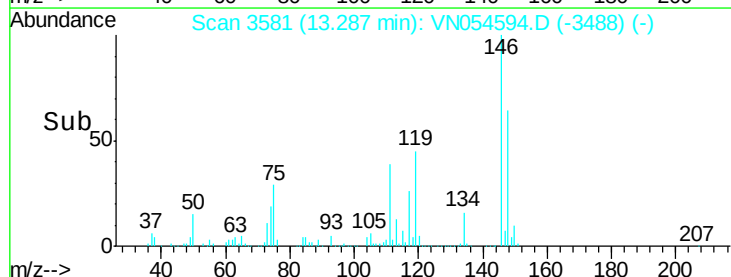
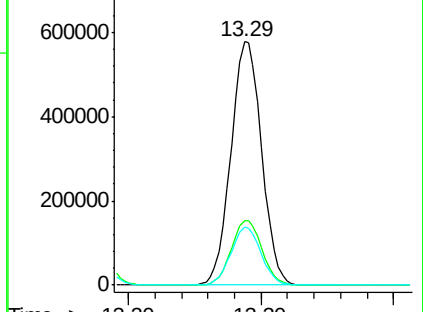
91 23.4 11.1 33.3

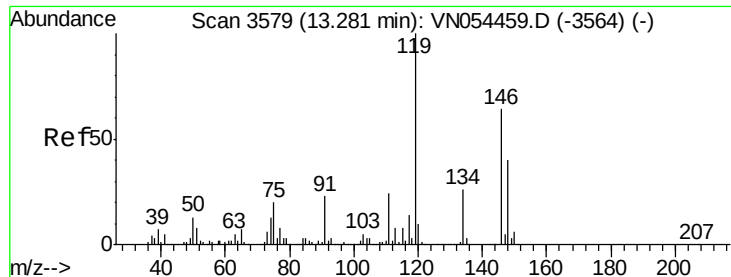


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

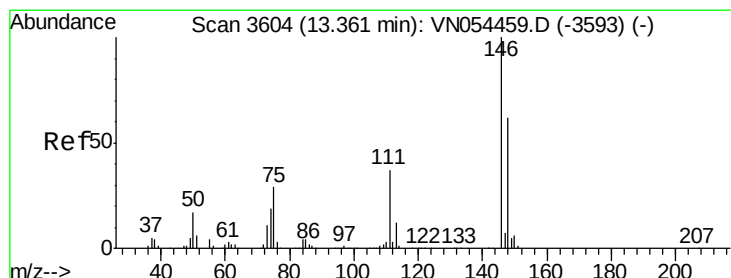
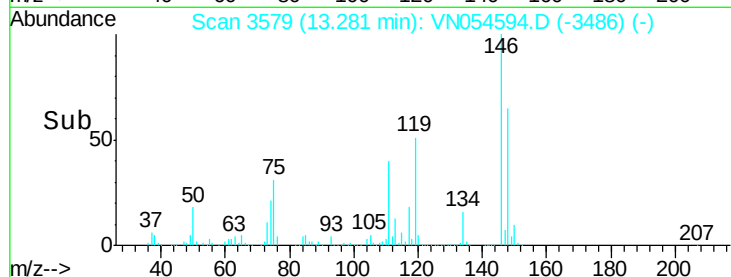
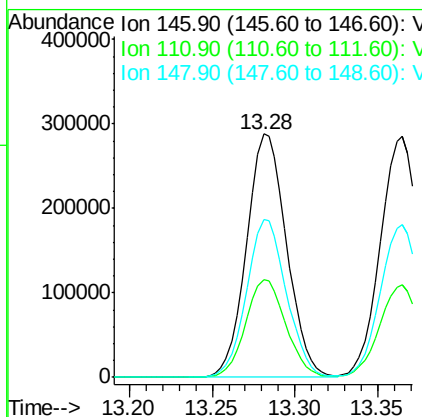
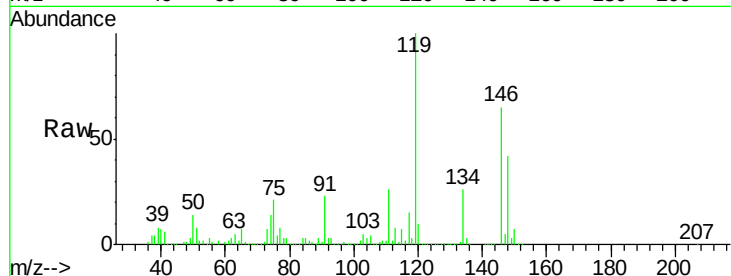




#87
 1,3-Dichlorobenzene
 Concen: 49.300 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

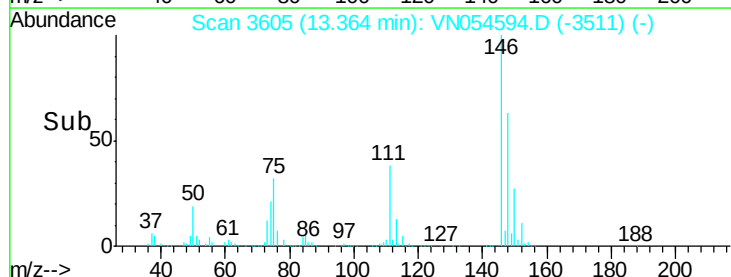
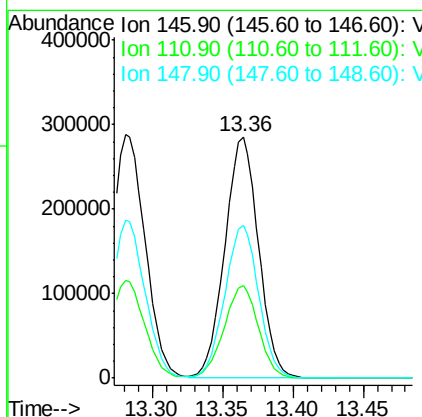
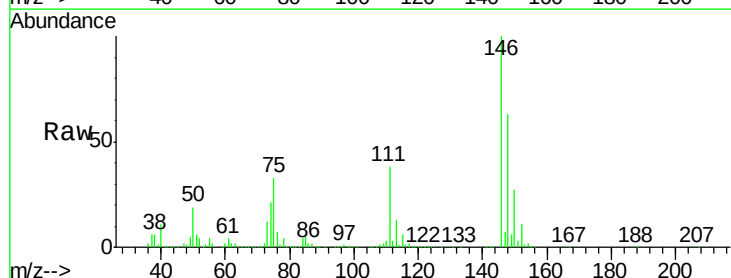
Instrument :
 MSVOA_N
 ClientSampled :

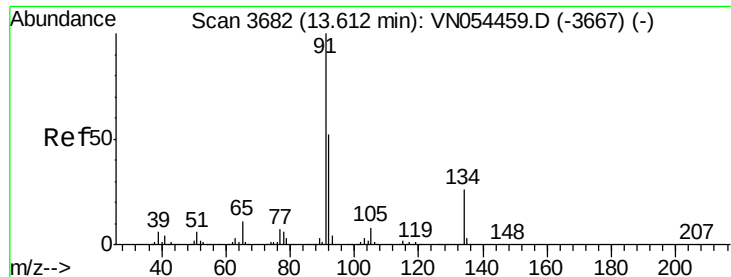
Tot Ion:146 Resp: 483439
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.8 56.3
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.935 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion:146 Resp: 476430
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.1 54.1
 148 63.7 32.0 96.0





#89

n-Butylbenzene

Concen: 49.467 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054594.D

Acq: 23 Mar 2019 8:45

Instrument :

MSVOA_N

ClientSampleId :

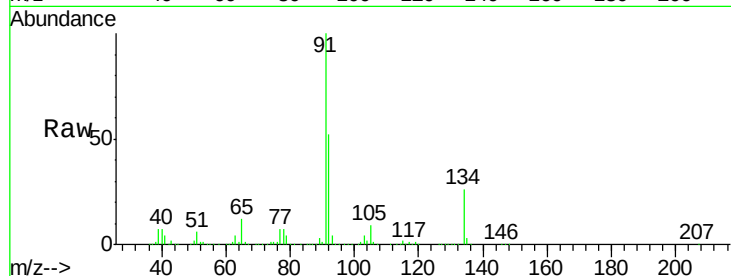
Tot Ion: 91 Resp: 734271

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

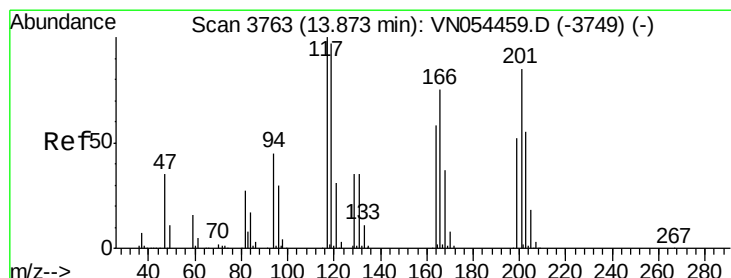
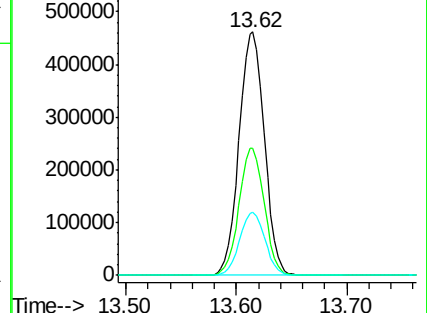
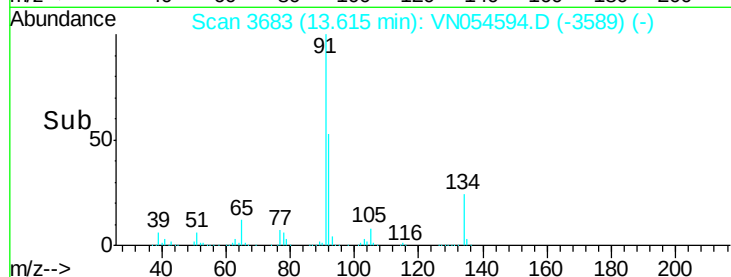
134 25.9 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 48.591 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054594.D

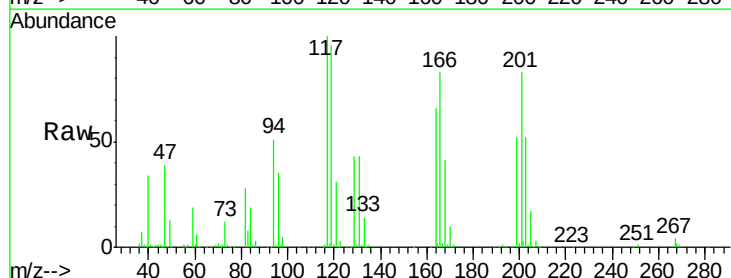
Acq: 23 Mar 2019 8:45

Tgt Ion: 117 Resp: 143179

Ion Ratio Lower Upper

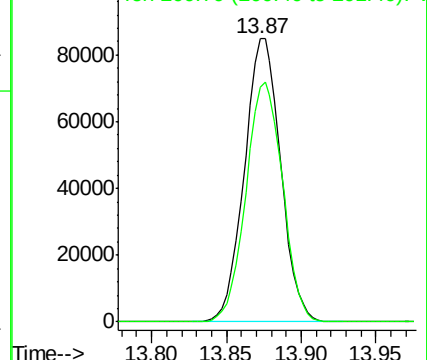
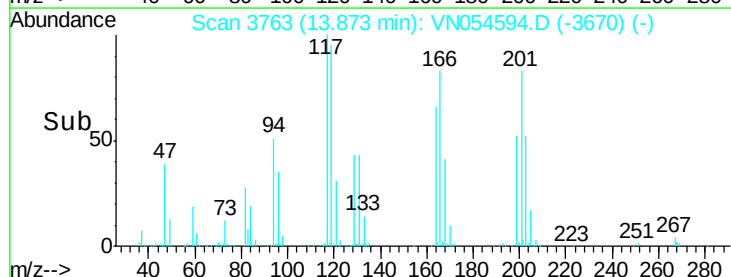
117 100

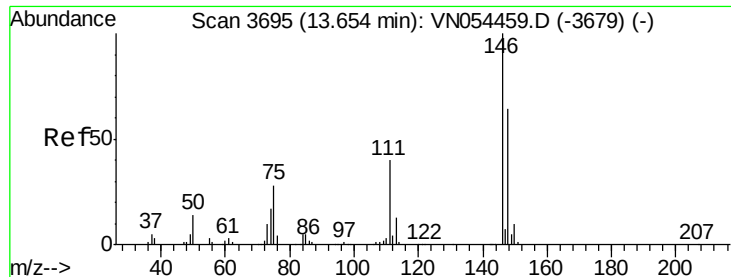
201 85.5 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

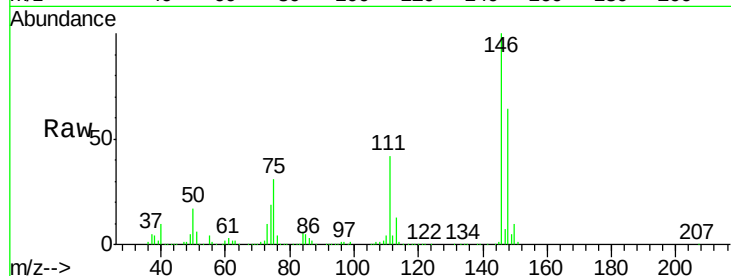




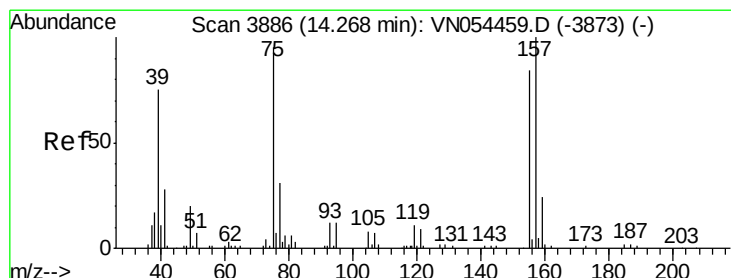
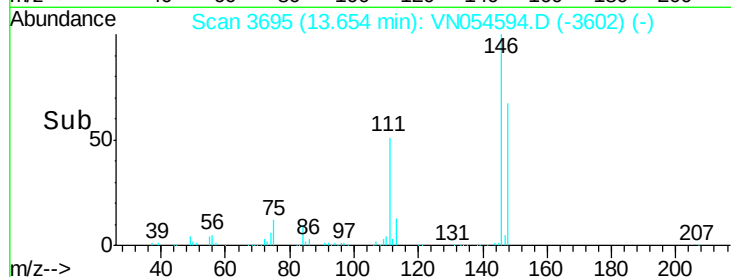
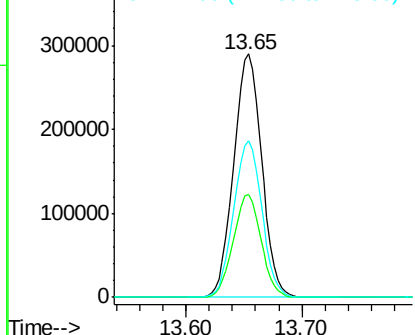
#91
 1,2-Dichlorobenzene
 Concen: 50.944 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.1	57.3
148	64.4	32.4	97.0

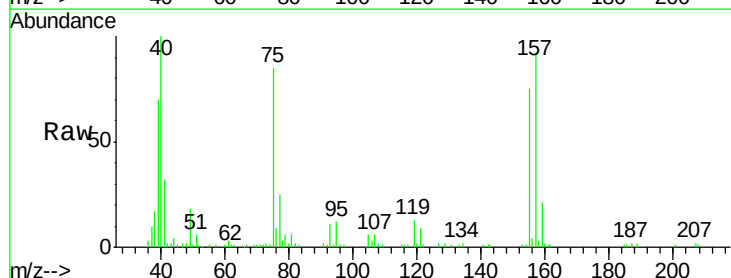


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

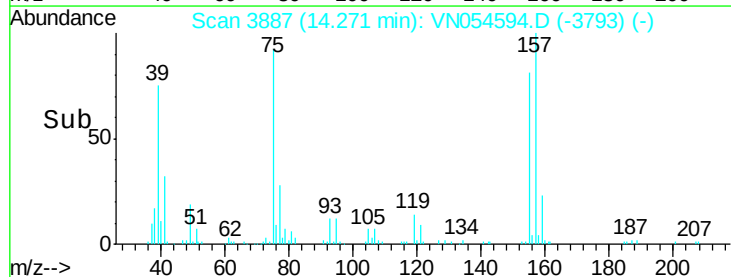
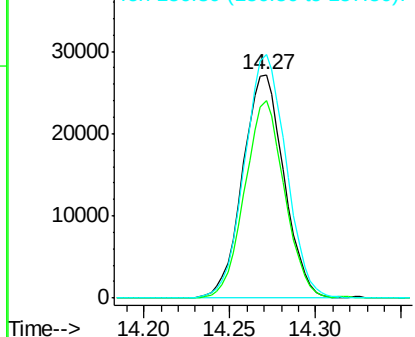


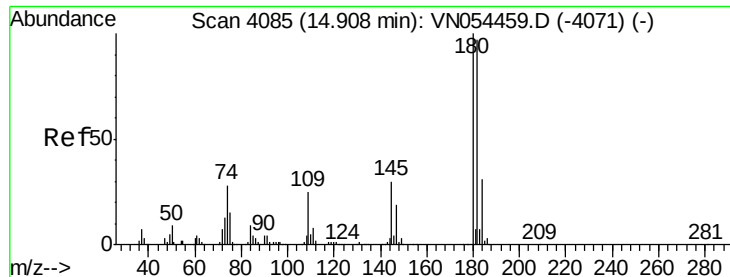
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.811 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	50.1	150.3
157	109.5	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

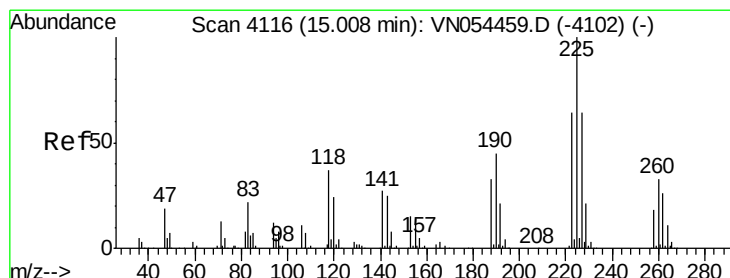
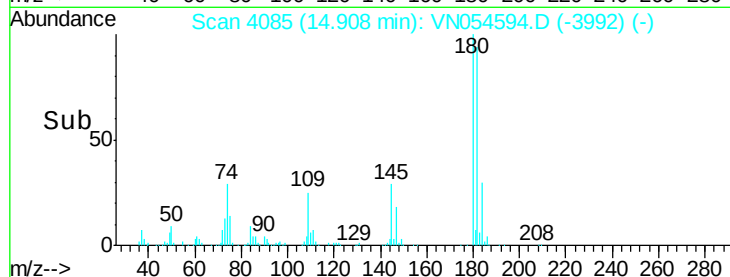
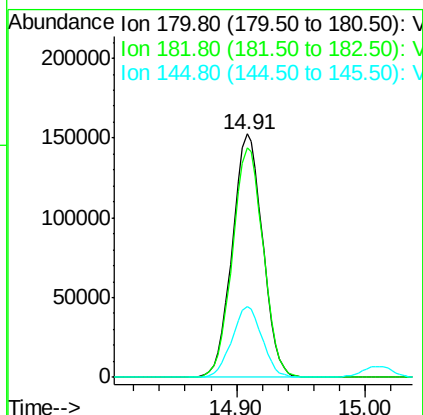
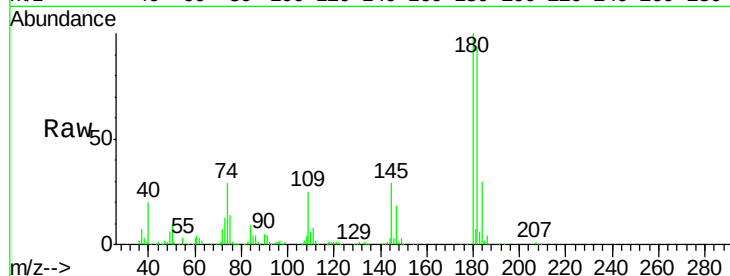




#93
 1,2,4-Trichlorobenzene
 Concen: 52.542 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

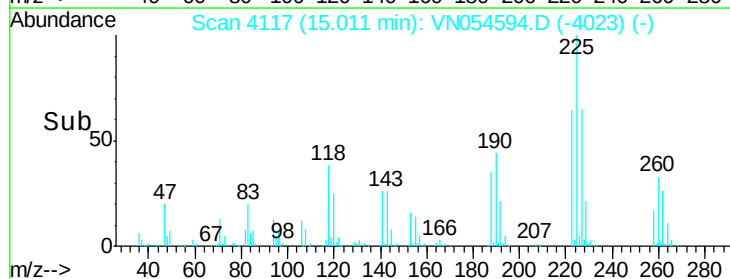
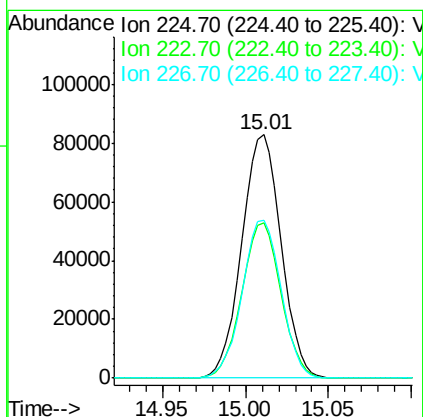
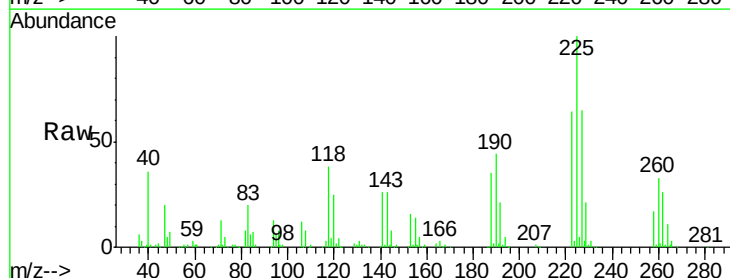
Instrument :
 MSVOA_N
 ClientSampleId :

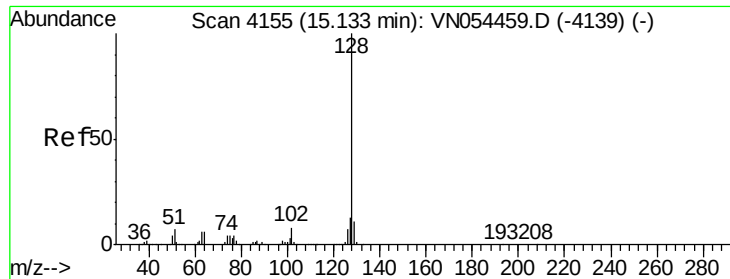
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	28.9	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 51.580 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054594.D
 Acq: 23 Mar 2019 8:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.5
227	64.0	31.9	95.9

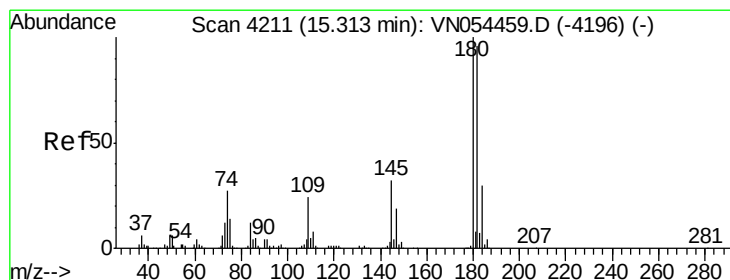
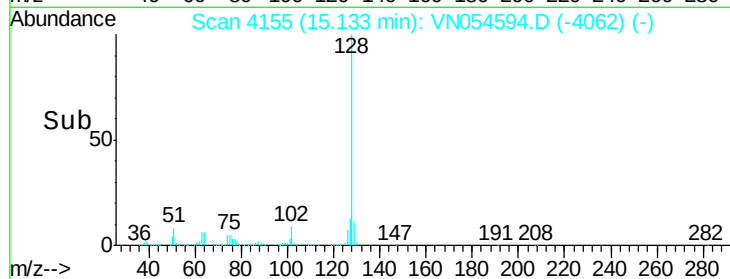
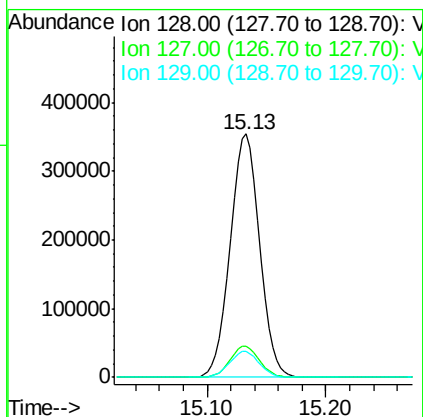
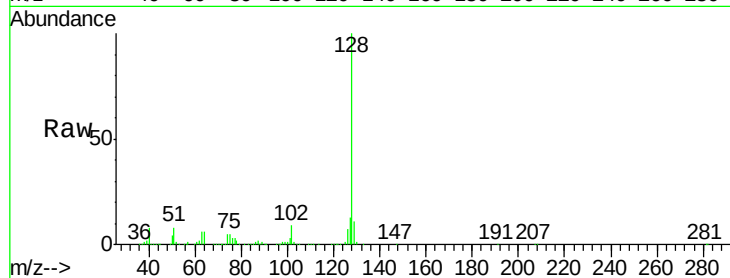




#95
Naphthalene
Concen: 57.383 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 606039
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.494 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054594.D
Acq: 23 Mar 2019 8:45

Tgt Ion:180 Resp: 252088
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.6
145 30.5 14.8 44.3

