

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054731.D
 Acq On : 27 Mar 2019 19:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 28 04:39:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	400269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	668287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	580141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	269836	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	7.59	113	215492	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.09	98	787173	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.40	95	270899	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190799	49.863	ug/l	96
3) Chloromethane	2.06	50	262435	50.408	ug/l	100
4) Vinyl Chloride	2.19	62	243610	46.606	ug/l	97
5) Bromomethane	2.57	94	138680	41.030	ug/l	100
6) Chloroethane	2.71	64	135858	43.333	ug/l	98
7) Trichlorofluoromethane	3.02	101	310333	48.888	ug/l	100
8) Diethyl Ether	3.41	74	105068	43.037	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163102	43.720	ug/l	94
10) Methyl Iodide	3.95	142	241069	43.928	ug/l #	87
11) Tert butyl alcohol	4.82	59	78788	261.387	ug/l	100
12) 1,1-Dichloroethene	3.73	96	156424	40.517	ug/l #	74
13) Acrolein	3.61	56	135208	325.046	ug/l	96
14) Allyl chloride	4.32	41	392214	53.949	ug/l #	91
15) Acrylonitrile	5.00	53	427102	284.535	ug/l	99
16) Acetone	3.82	43	297405	198.687	ug/l #	82
17) Carbon Disulfide	4.04	76	442446	42.771	ug/l	99
18) Methyl Acetate	4.33	43	195339	58.549	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	601228	53.360	ug/l	94
20) Methylene Chloride	4.55	84	226139	51.251	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	205144	52.037	ug/l #	82
22) Diisopropyl ether	5.96	45	830770	57.934	ug/l #	94
23) Vinyl Acetate	5.90	43	2987831	295.011	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	430560	55.764	ug/l	97
25) 2-Butanone	6.85	43	534946	278.987	ug/l #	88
26) 2,2-Dichloropropane	6.83	77	285532	51.878	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	249604	53.082	ug/l	88
28) Bromochloromethane	7.19	49	219048	57.637	ug/l #	71
29) Tetrahydrofuran	7.22	42	362047	290.963	ug/l #	83
30) Chloroform	7.37	83	418771	55.576	ug/l	100
31) Cyclohexane	7.65	56	385202	52.145	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	346930	55.808	ug/l	95
36) 1,1-Dichloropropene	7.79	75	309832	49.585	ug/l	95
37) Ethyl Acetate	6.94	43	234218	52.702	ug/l	95
38) Carbon Tetrachloride	7.77	117	299320	49.294	ug/l	98

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

39) Methylcyclohexane	9.08	83	326247	45.644	ug/l	91
40) Benzene	8.04	78	920177	51.499	ug/l	100
41) Methacrylonitrile	7.18	41	137600	50.769	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	332798	51.144	ug/l	97
43) Isopropyl Acetate	8.17	43	423654	56.445	ug/l #	92
44) Trichloroethene	8.83	130	237146	47.738	ug/l	95
45) 1,2-Dichloropropane	9.12	63	264844	55.200	ug/l	98
46) Dibromomethane	9.21	93	151145	52.805	ug/l	88
47) Bromodichloromethane	9.40	83	319352	53.760	ug/l	99
48) Methyl methacrylate	9.20	41	208784	51.251	ug/l	88
49) 1,4-Dioxane	9.20	88	42470	932.542	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1182145	284.195	ug/l	92
52) Toluene	10.16	92	545850	49.669	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	305426	48.796	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	368077	54.040	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	210012	53.163	ug/l	96
56) Ethyl methacrylate	10.43	69	284270	53.613	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	364955	53.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	539758	247.218	ug/l	89
59) 2-Hexanone	10.75	43	722153	265.789	ug/l	90
60) Dibromochloromethane	10.90	129	222358	52.897	ug/l	98
61) 1,2-Dibromoethane	11.01	107	202334	51.808	ug/l	99
64) Tetrachloroethene	10.63	164	220865	45.899	ug/l	95
65) Chlorobenzene	11.43	112	578483	49.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226874	53.569	ug/l	99
67) Ethyl Benzene	11.51	91	1046396	50.204	ug/l	97
68) m/p-Xylenes	11.62	106	762733	96.613	ug/l	95
69) o-Xylene	11.95	106	375172	48.660	ug/l	96
70) Styrene	11.96	104	626943	50.073	ug/l	97
71) Bromoform	12.13	173	138139	47.430	ug/l #	99
73) Isopropylbenzene	12.25	105	988443	48.358	ug/l	98
74) N-amyl acetate	12.07	43	330497	56.234	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	258451	55.391	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	303773	75.470	ug/l #	100
77) Bromobenzene	12.53	156	243821	48.097	ug/l	84
78) n-propylbenzene	12.59	91	1097278	49.507	ug/l	97
79) 2-Chlorotoluene	12.67	91	671830	48.608	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	808800	48.280	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	56562	48.542	ug/l #	82
82) 4-Chlorotoluene	12.77	91	659206	49.204	ug/l	96
83) tert-Butylbenzene	12.99	119	694107	47.600	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	794633	48.342	ug/l	99
85) sec-Butylbenzene	13.17	105	880642	48.446	ug/l	97
86) p-Isopropyltoluene	13.29	119	777519	47.810	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	409516	48.747	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398455	48.749	ug/l	99
89) n-Butylbenzene	13.61	91	637706	50.149	ug/l	97
90) Hexachloroethane	13.87	117	138473	54.855	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	405141	49.791	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36825	53.808	ug/l	86

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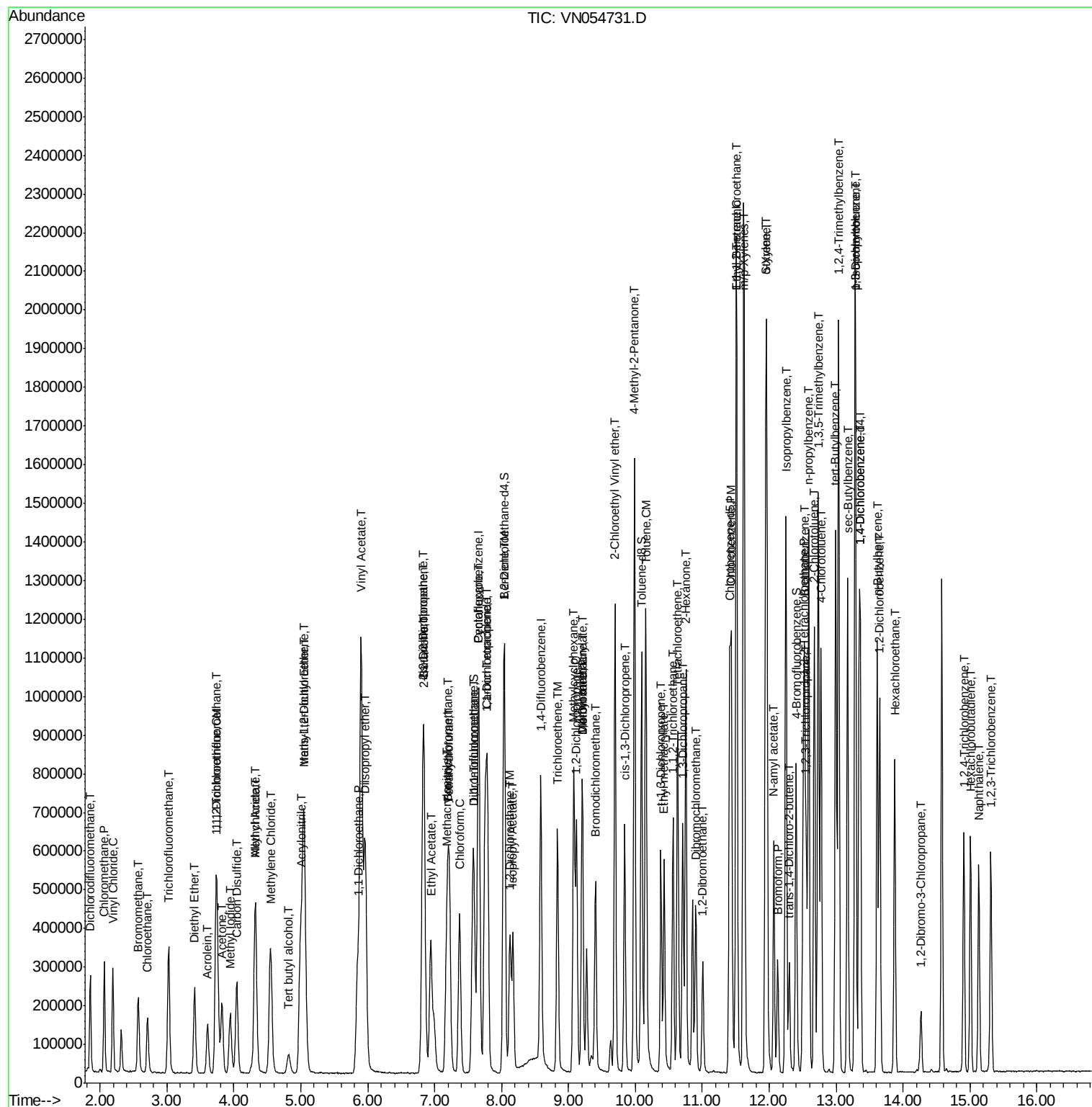
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199314	49.137	ug/l	99
94) Hexachlorobutadiene	15.01	225	119457	52.542	ug/l	98
95) Naphthalene	15.13	128	449914	49.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	198621	49.199	ug/l	99

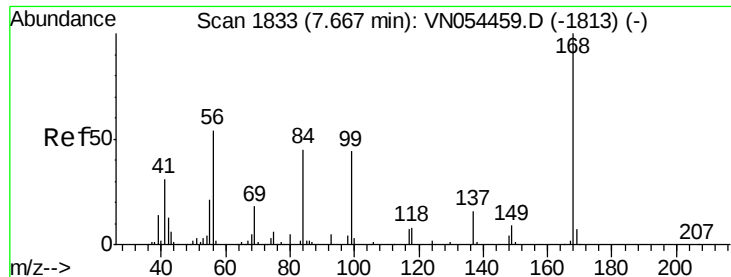
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

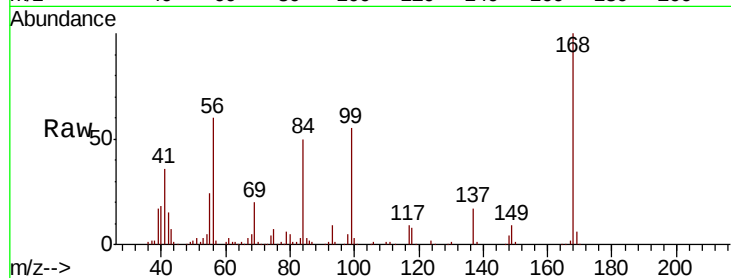
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 400269

Ion Ratio Lower Upper

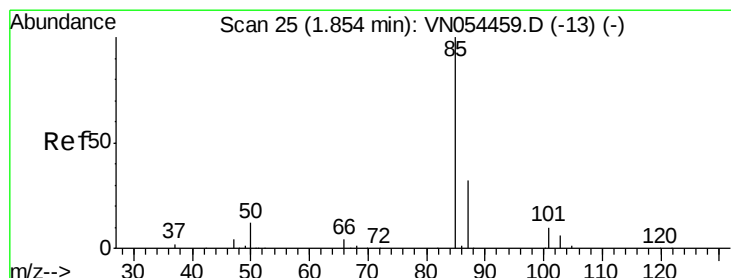
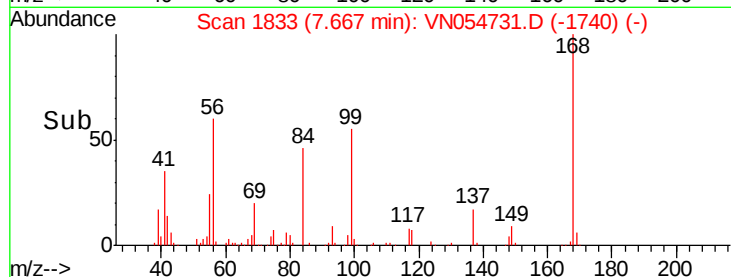
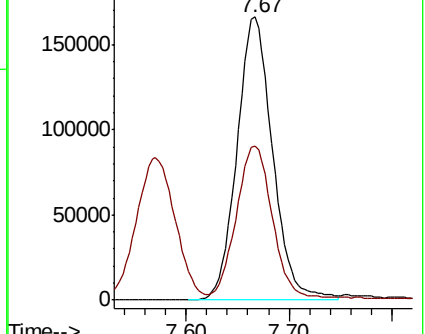
168 100

99 53.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.863 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054731.D

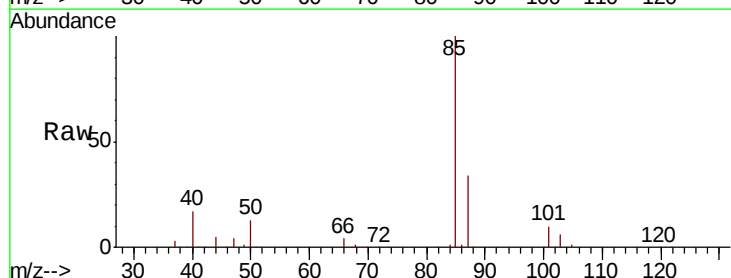
Acq: 27 Mar 2019 19:14

Tgt Ion: 85 Resp: 190799

Ion Ratio Lower Upper

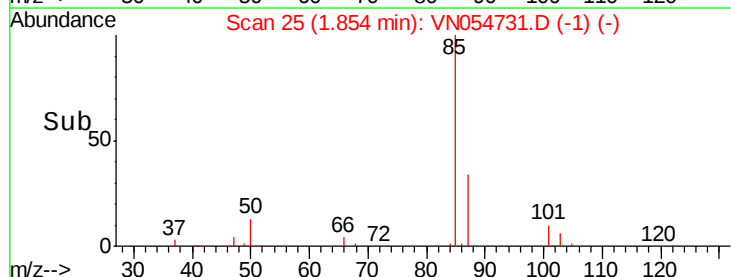
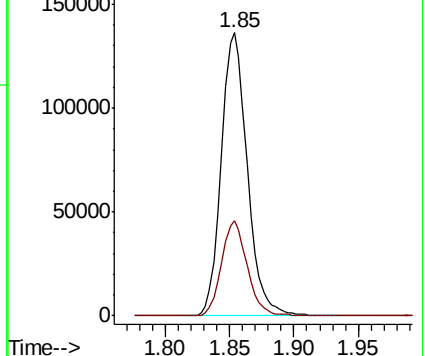
85 100

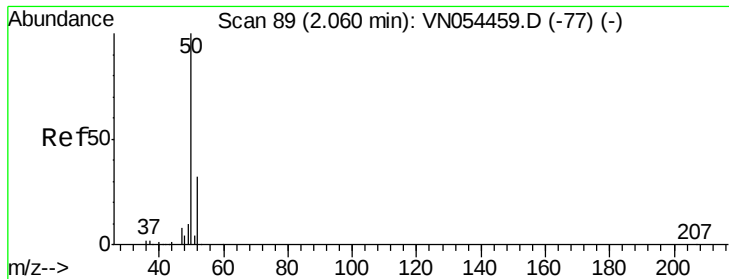
87 33.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.408 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

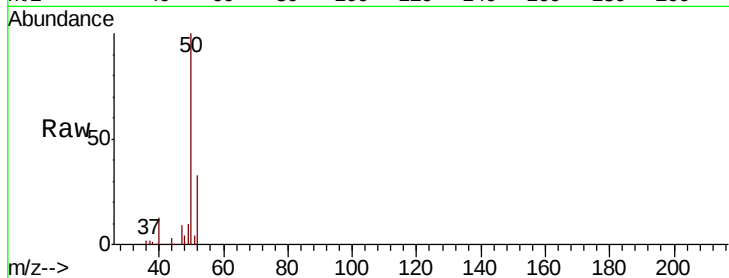
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 262435

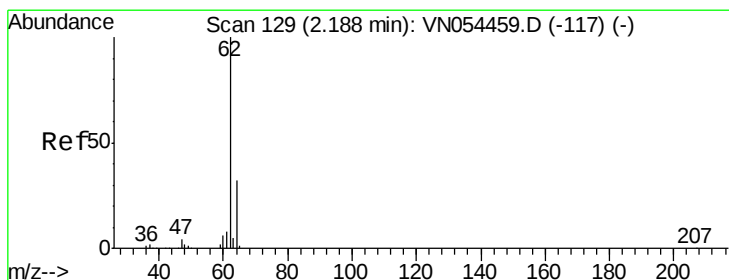
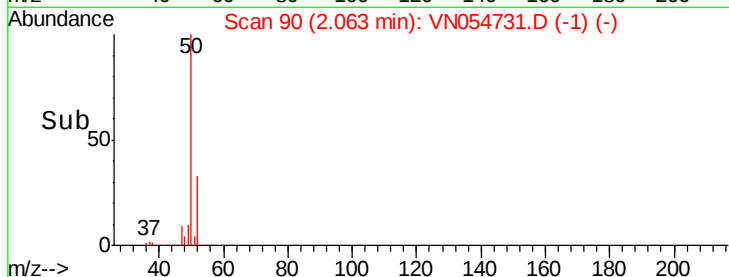
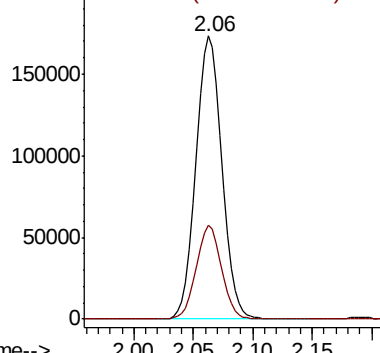
Ion Ratio Lower Upper

50 100

52 33.1 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.606 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054731.D

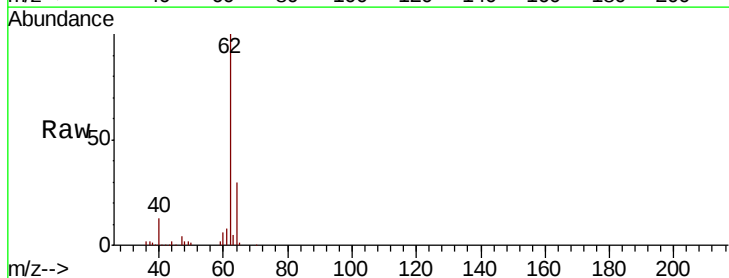
Acq: 27 Mar 2019 19:14

Tgt Ion: 62 Resp: 243610

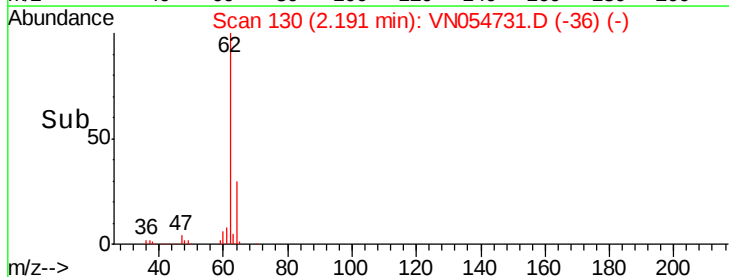
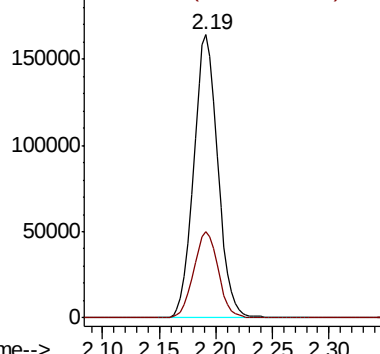
Ion Ratio Lower Upper

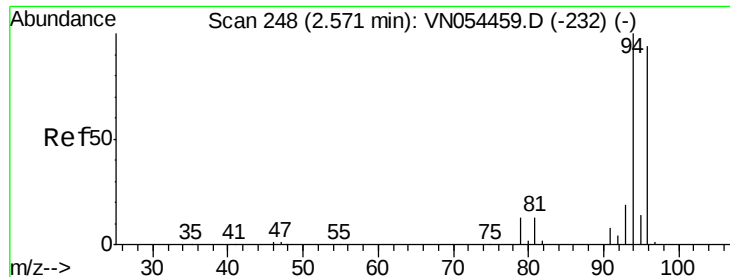
62 100

64 30.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 41.030 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

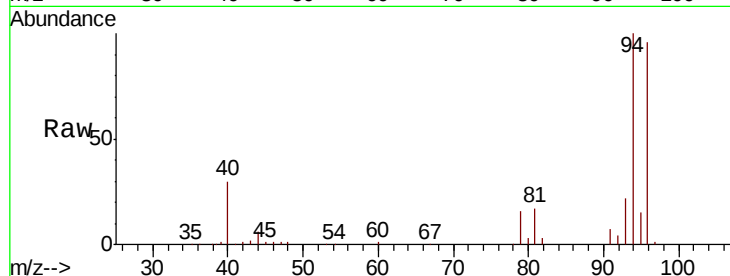
ClientSampleId :

Tot Ion: 94 Resp: 138680

Ion Ratio Lower Upper

94 100

96 96.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054459.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN054459.D (-232) (-)

2.57

60000

40000

20000

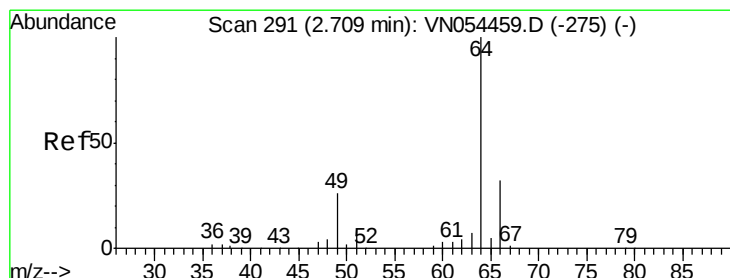
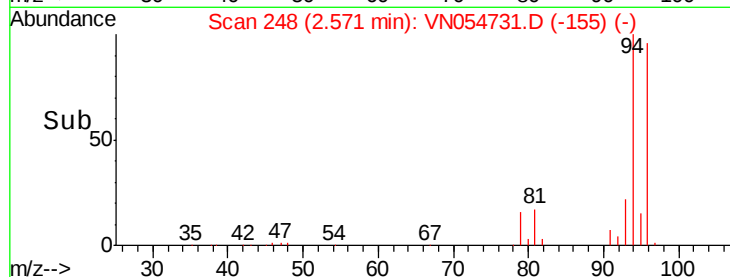
0

Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 43.333 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054731.D

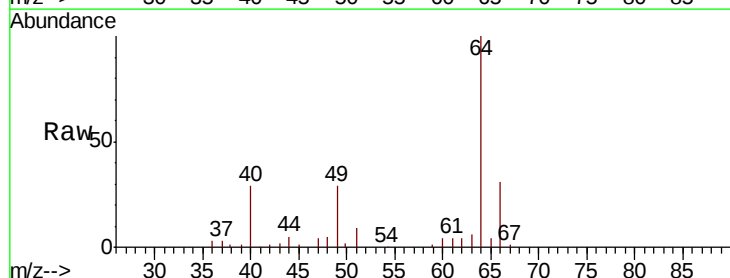
Acq: 27 Mar 2019 19:14

Tgt Ion: 64 Resp: 135858

Ion Ratio Lower Upper

64 100

66 30.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054459.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN054459.D (-275) (-)

2.71

60000

40000

20000

0

Time-->

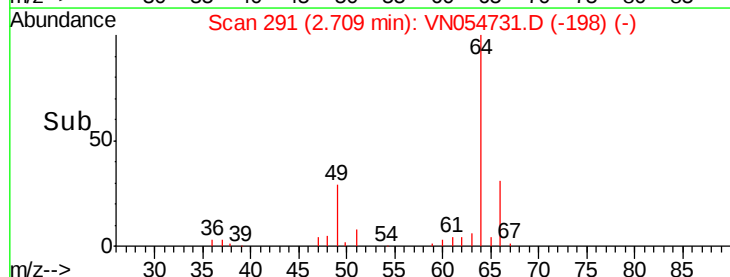
2.60

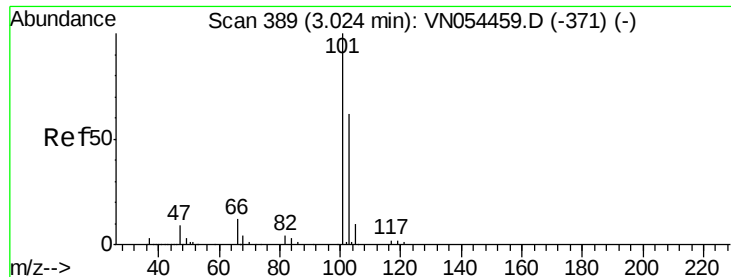
2.65

2.70

2.75

2.80



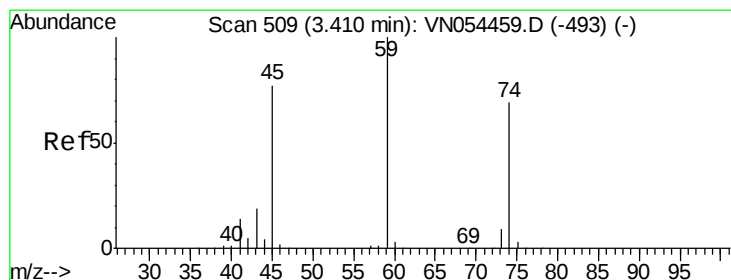
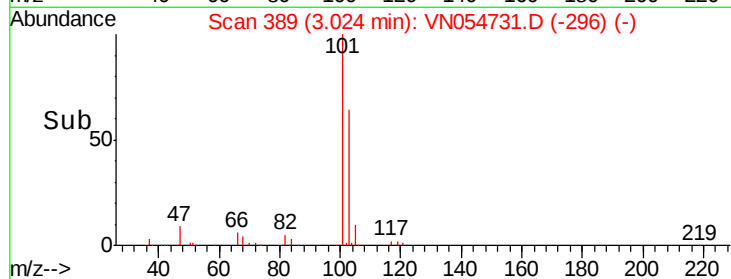
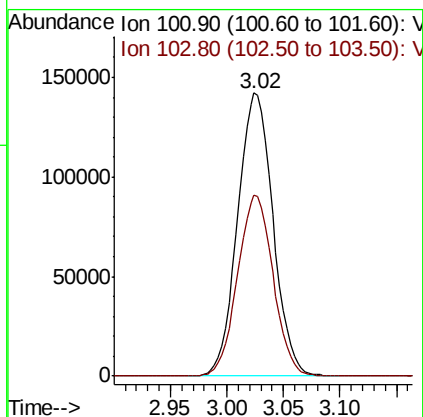
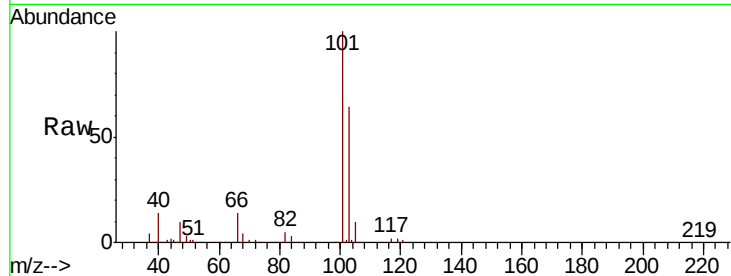


#7

Trichlorofluoromethane
 Concen: 48.888 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054731.D
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Instrument :
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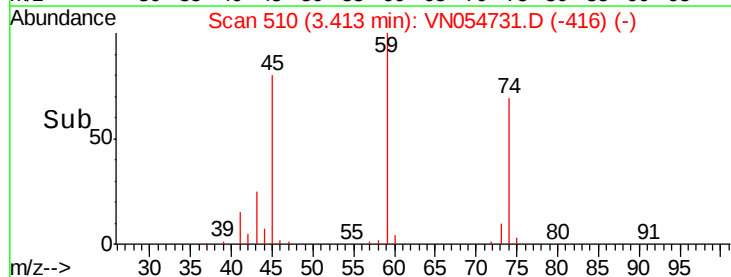
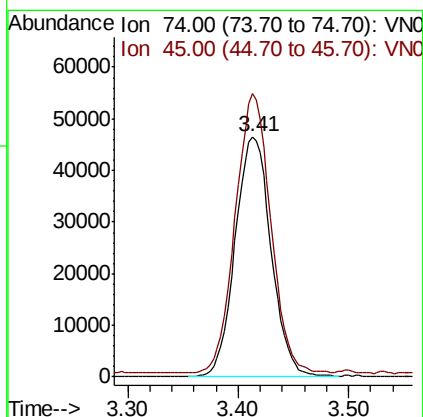
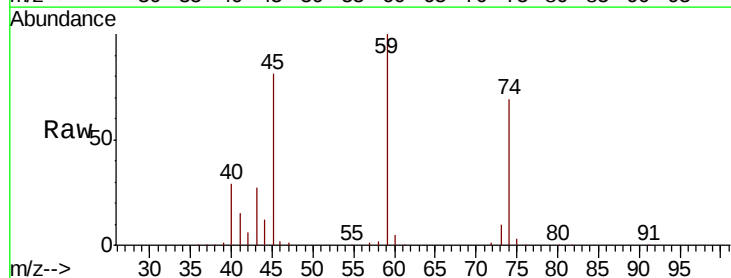
Tot Ion:101 Resp: 310333
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.2

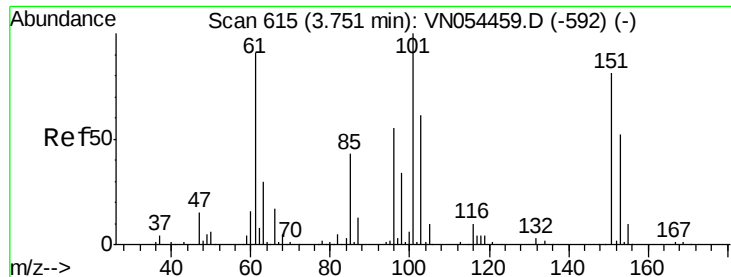


#8

Diethyl Ether
 Concen: 43.037 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion: 74 Resp: 105068
 Ion Ratio Lower Upper
 74 100
 45 114.8 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.720 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

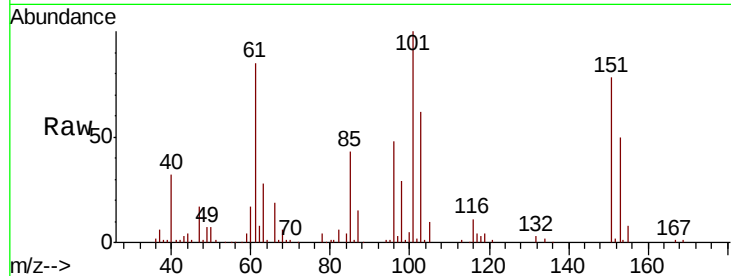
Tot Ion:101 Resp: 163102

Ion Ratio Lower Upper

101 100

85 45.2 32.4 48.6

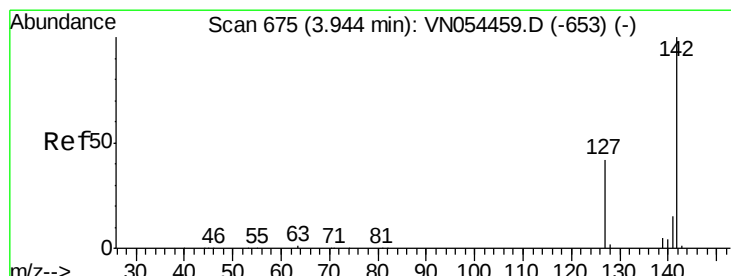
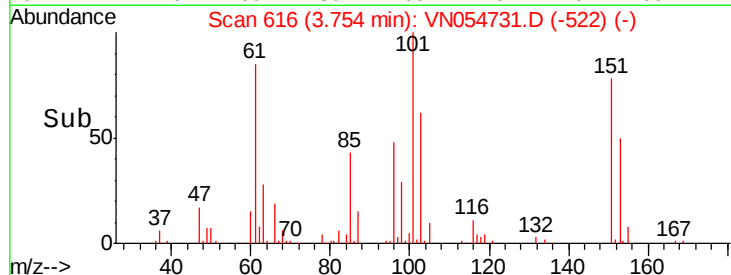
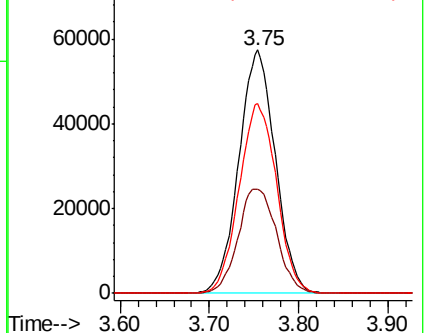
151 80.0 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.928 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

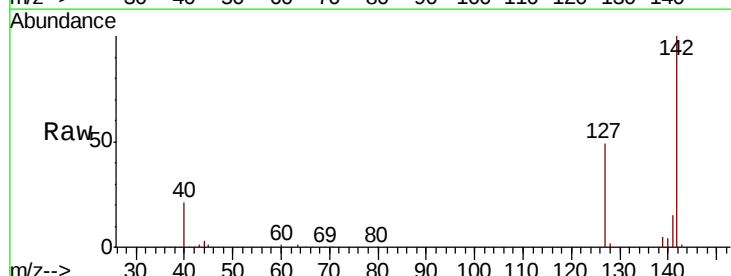
Tgt Ion:142 Resp: 241069

Ion Ratio Lower Upper

142 100

127 48.6 30.3 45.5#

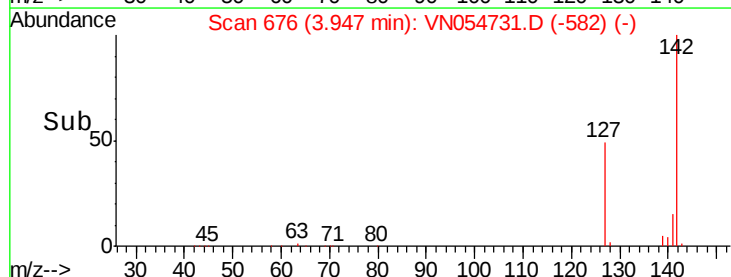
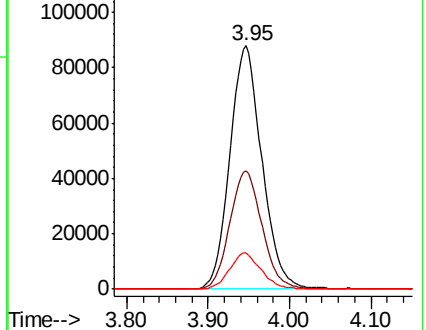
141 14.6 11.2 16.8

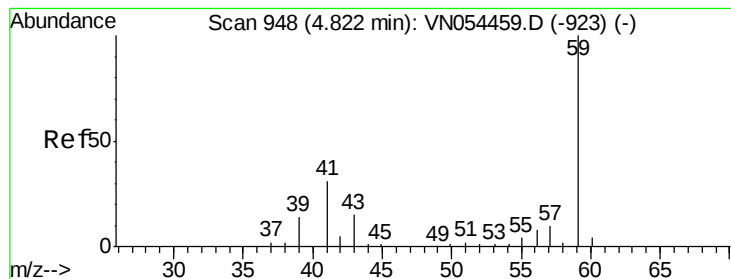


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



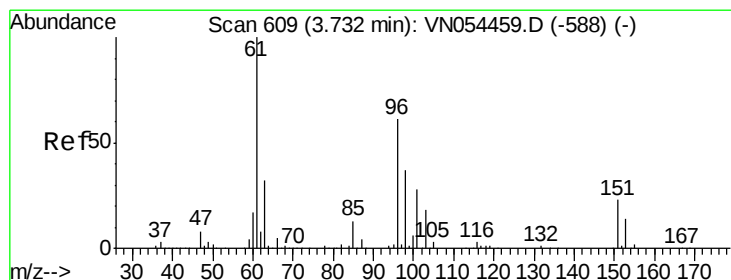
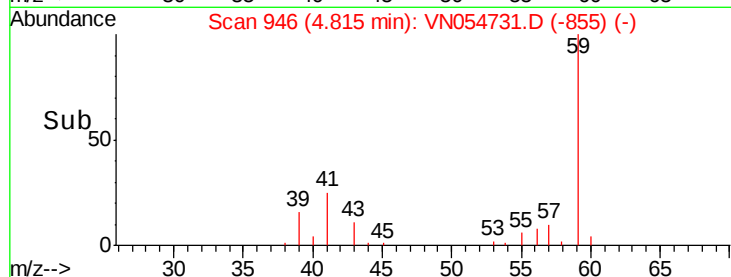
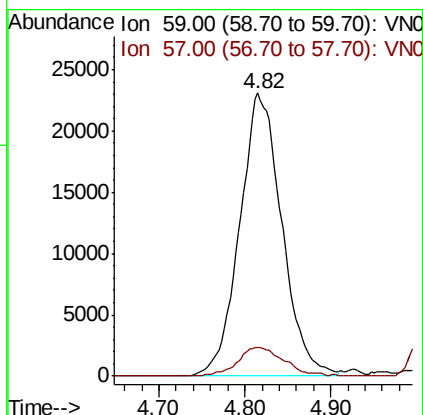
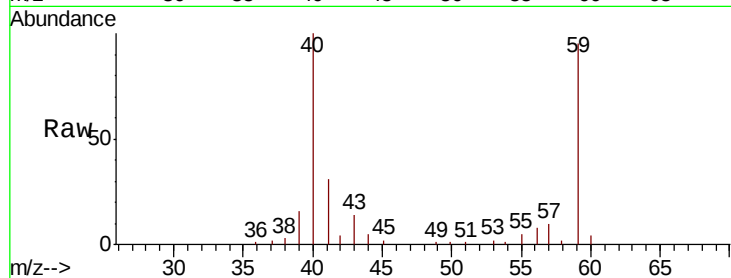


#11

Tert butyl alcohol
 Concen: 261.387 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Instrument :
 MSVOA_N
 ClientSampled :

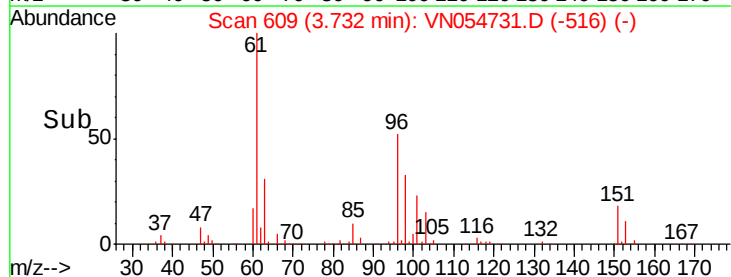
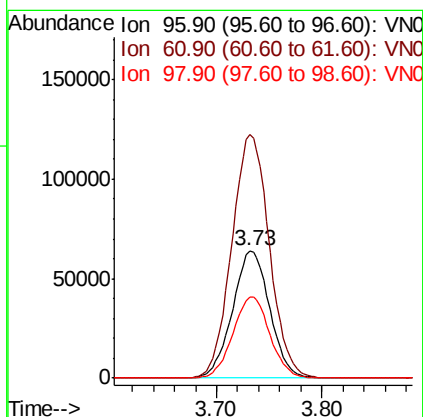
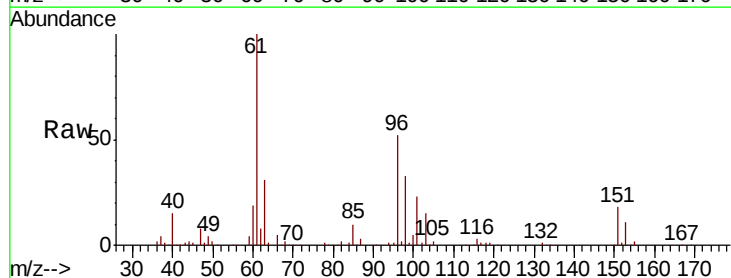
Tot Ion: 59 Resp: 78788
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.0 13.6

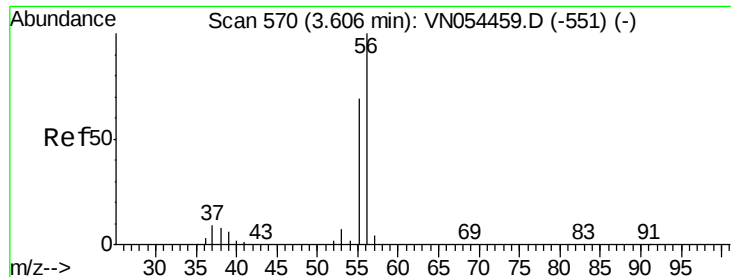


#12

1,1-Dichloroethene
 Concen: 40.517 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion: 96 Resp: 156424
 Ion Ratio Lower Upper
 96 100
 61 191.1 116.5 174.7#
 98 63.4 51.0 76.4

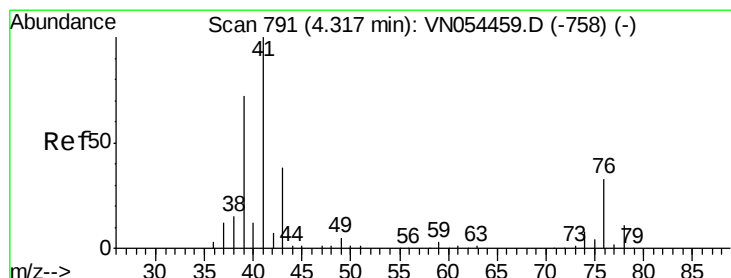
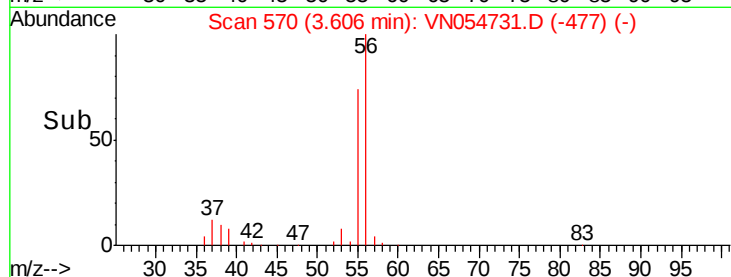
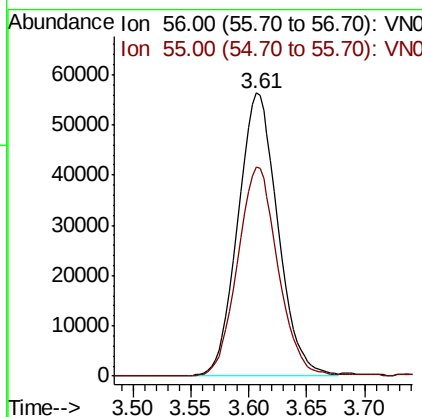
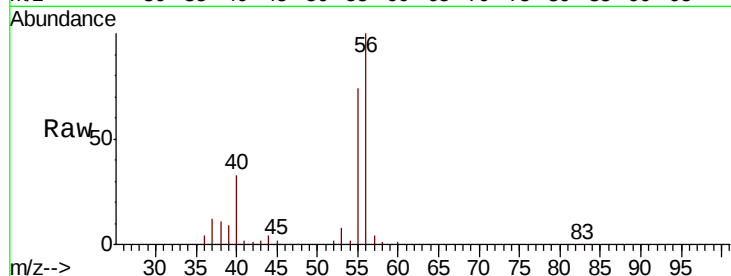




#13
 Acrolein
 Concen: 325.046 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

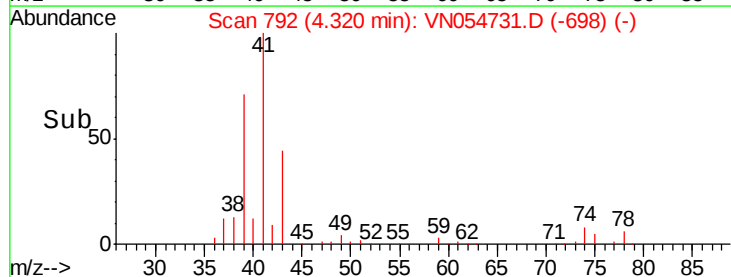
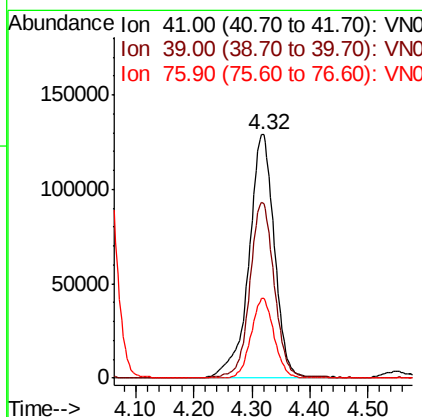
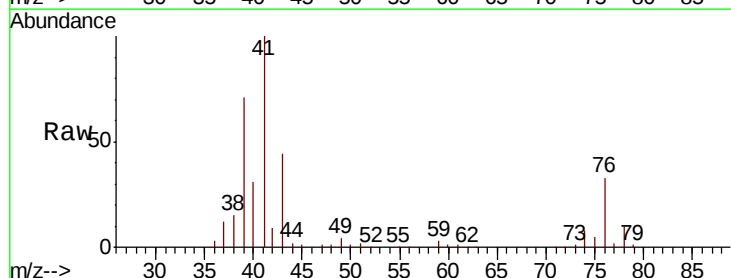
Instrument :
 MSVOA_N
 ClientSampled :

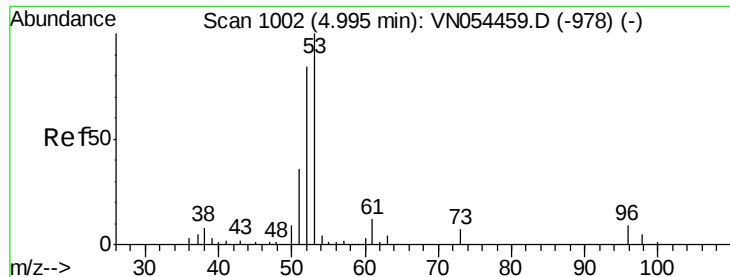
Tot Ion: 56 Resp: 135208
 Ion Ratio Lower Upper
 56 100
 55 74.4 56.7 85.1



#14
 Allyl chloride
 Concen: 53.949 ug/l
 RT: 4.32 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion: 41 Resp: 392214
 Ion Ratio Lower Upper
 41 100
 39 68.9 58.2 87.4
 76 29.3 31.7 47.5#





#15

Acrylonitrile

Concen: 284.535 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

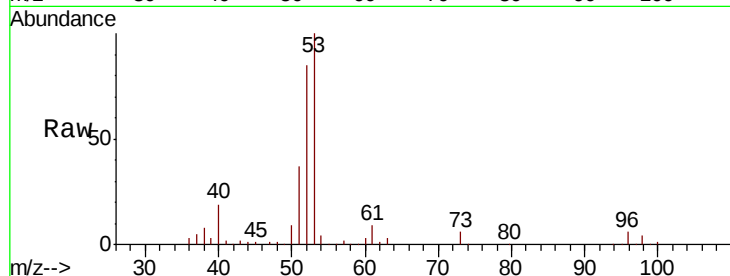
Tot Ion: 53 Resp: 427102

Ion Ratio Lower Upper

53 100

52 84.0 66.4 99.6

51 37.8 29.6 44.4

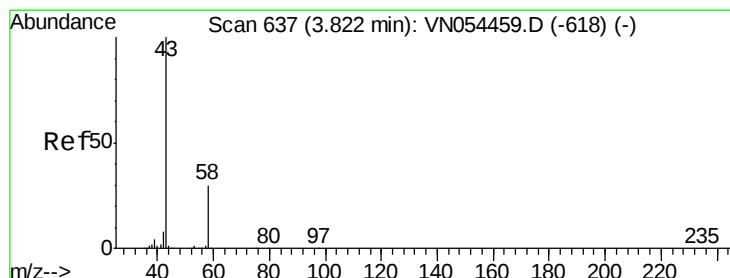
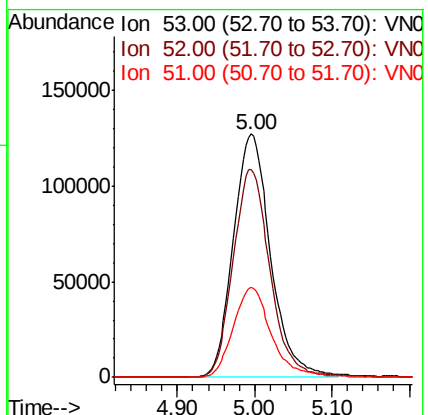
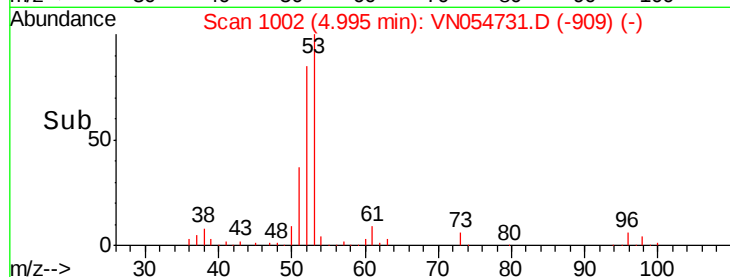


Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN054459.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN054459.D (-978) (-)

Time-->



#16

Acetone

Concen: 198.687 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054731.D

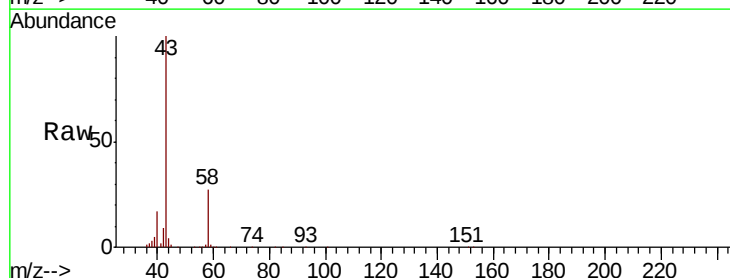
Acq: 27 Mar 2019 19:14

Tgt Ion: 43 Resp: 297405

Ion Ratio Lower Upper

43 100

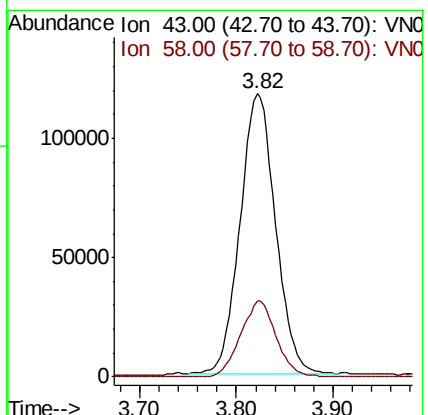
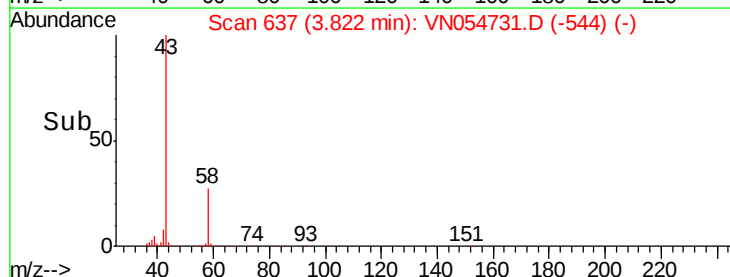
58 26.9 29.9 44.9#

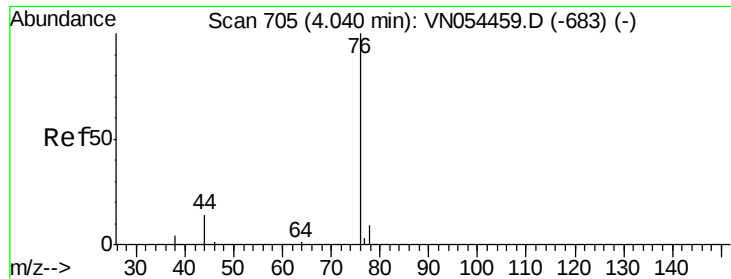


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-618) (-)

Time-->

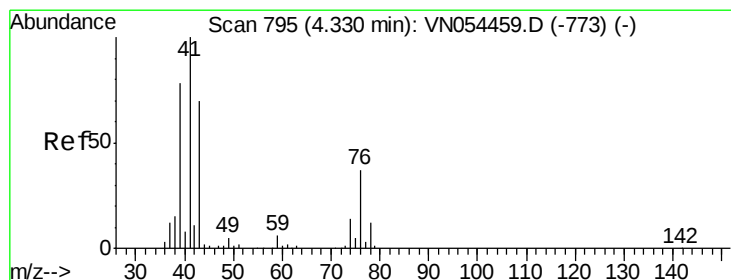
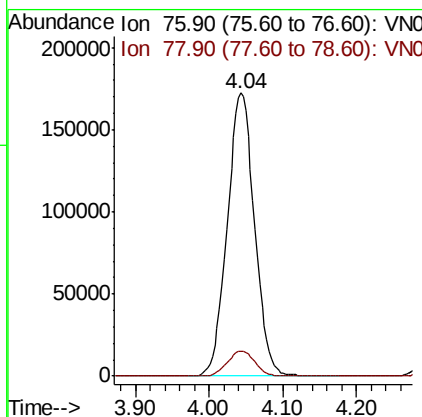
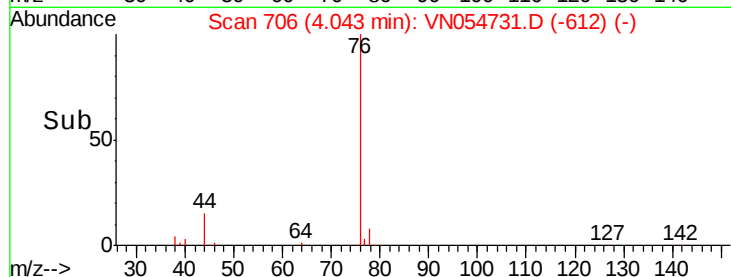
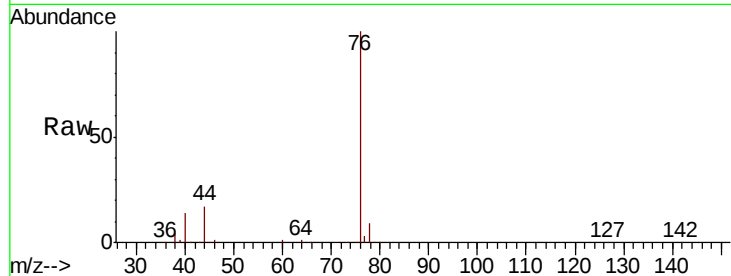




#17
Carbon Disulfide
Concen: 42.771 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

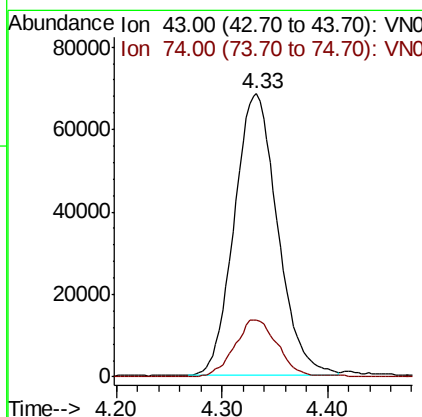
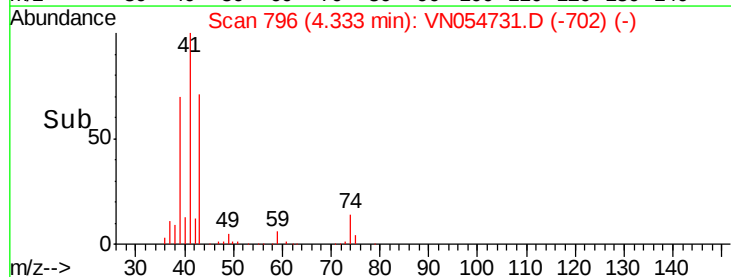
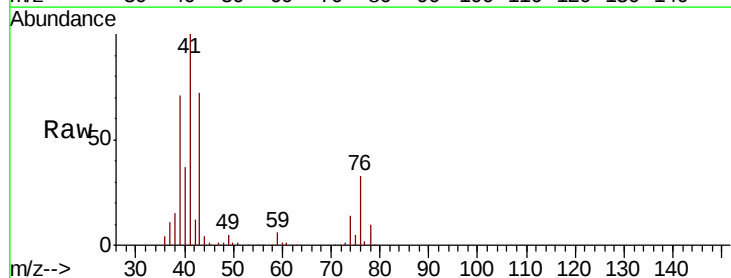
Instrument :
MSVOA_N
ClientSampleId :

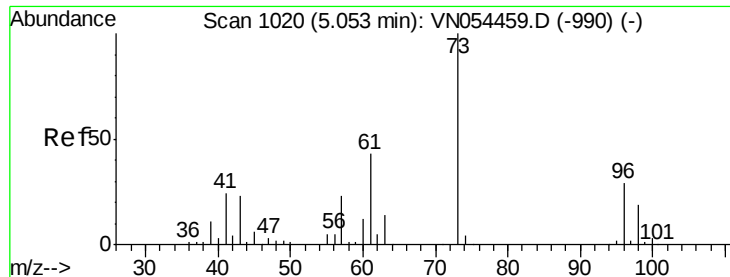
Tot Ion: 76 Resp: 442446
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 58.549 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 43 Resp: 195339
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#

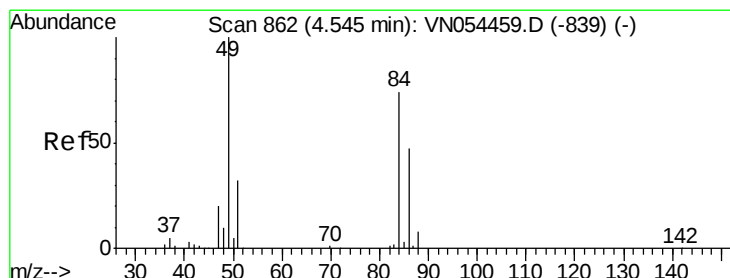
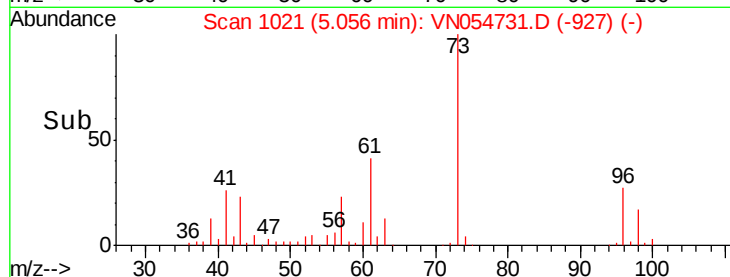
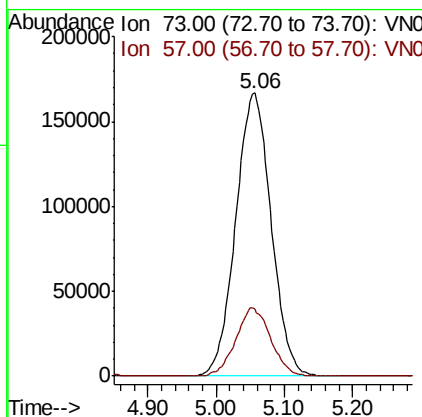
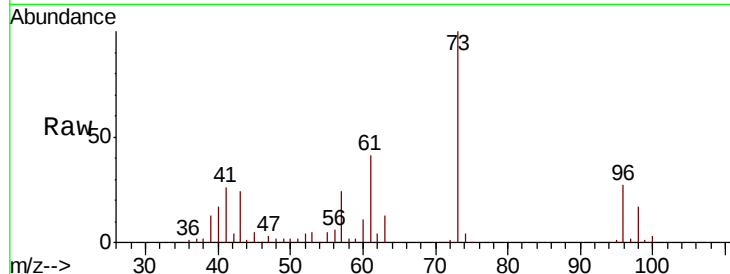




#19
Methvl tert-butvl Ether
Concen: 53.360 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

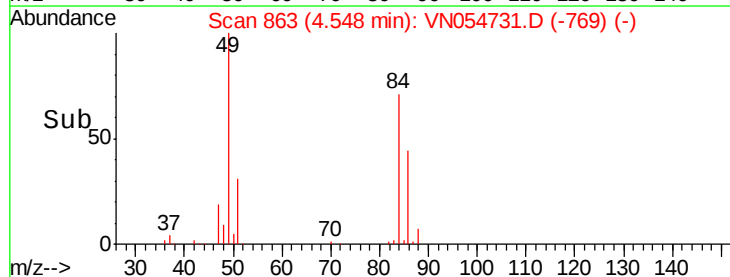
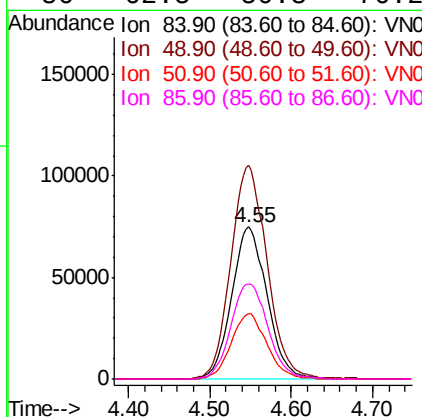
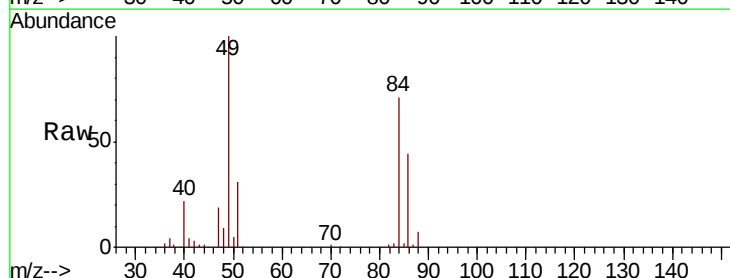
Instrument :
MSVOA_N
ClientSampled :

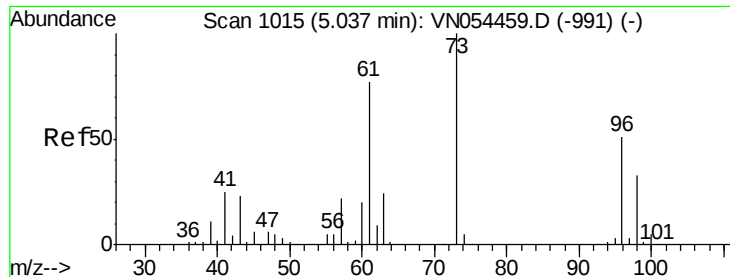
Tot Ion: 73 Resp: 601228
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2



#20
Methylene Chloride
Concen: 51.251 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 84 Resp: 226139
Ion Ratio Lower Upper
84 100
49 140.7 89.7 134.5#
51 43.1 28.2 42.4#
86 62.5 50.8 76.2

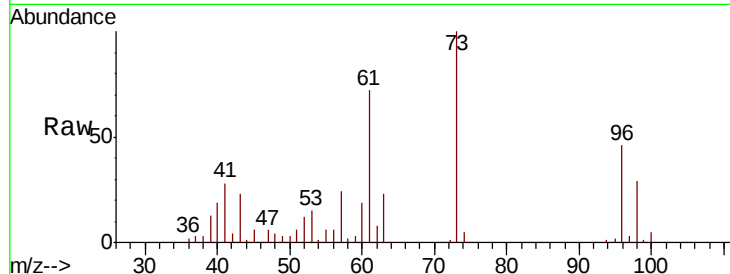




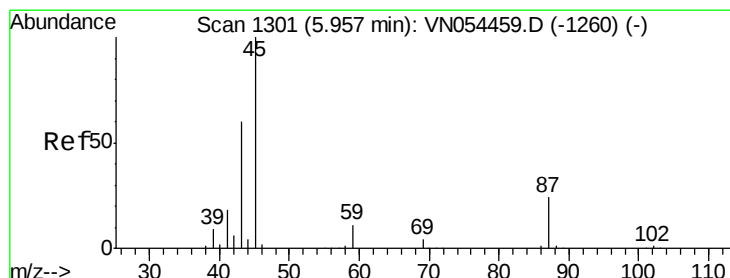
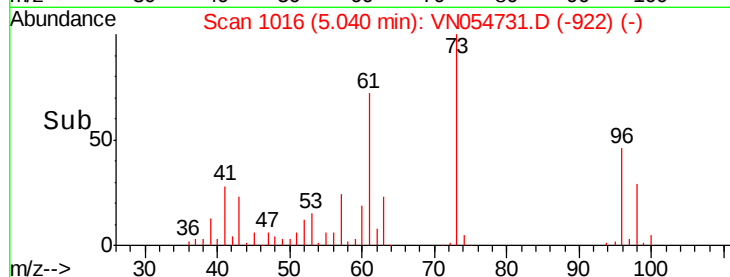
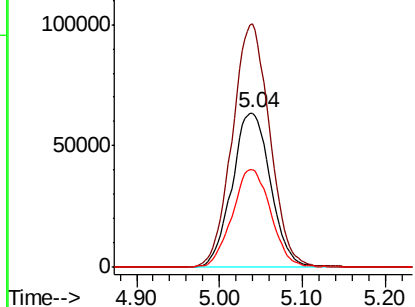
#21
trans-1,2-Dichloroethene
Concen: 52.037 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 205144
Ion Ratio Lower Upper
96 100
61 157.9 102.8 154.2#
98 63.6 50.0 75.0

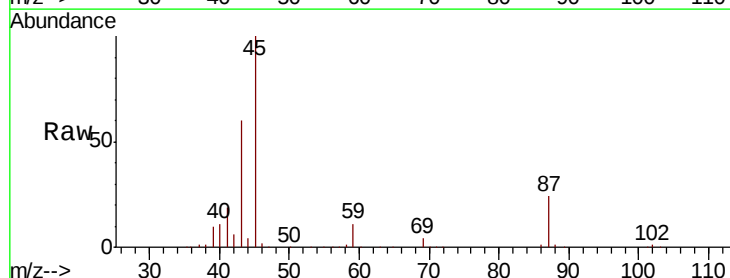


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

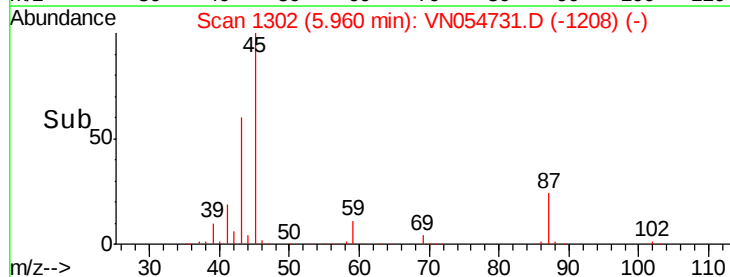
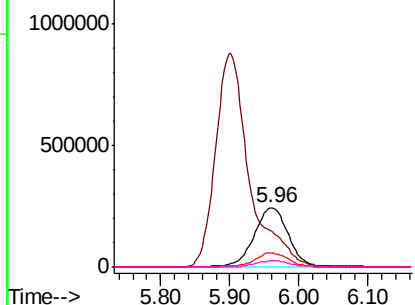


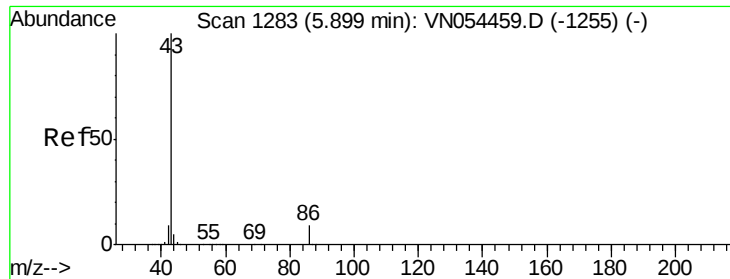
#22
Diisopropyl ether
Concen: 57.934 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 45 Resp: 830770
Ion Ratio Lower Upper
45 100
43 58.6 48.2 72.2
87 24.0 24.9 37.3#
59 10.4 9.5 14.3



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

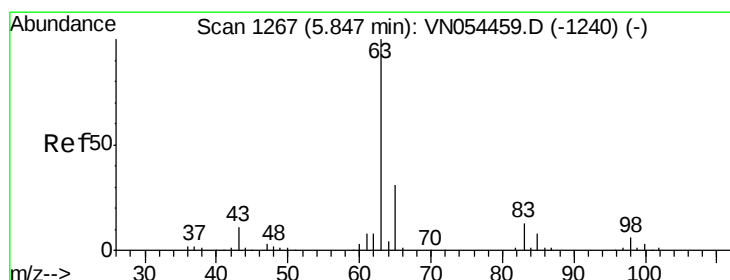
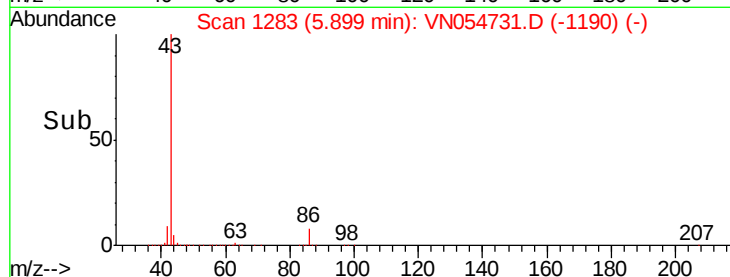
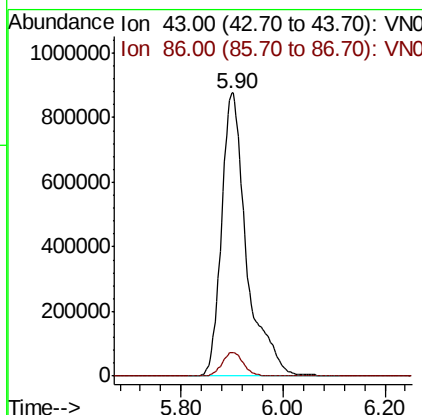
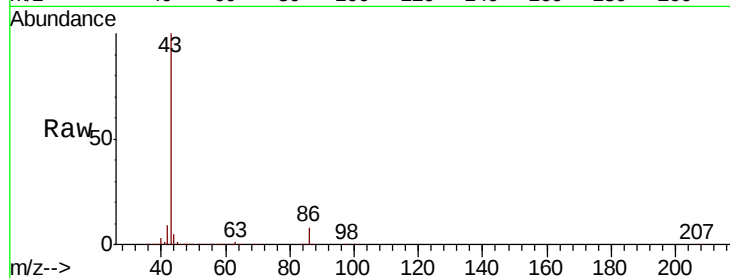




#23
 Vinyl Acetate
 Concen: 295.011 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

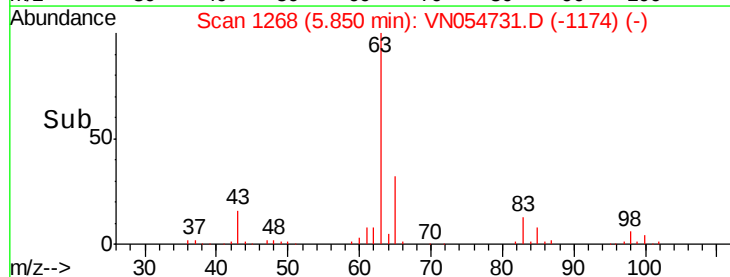
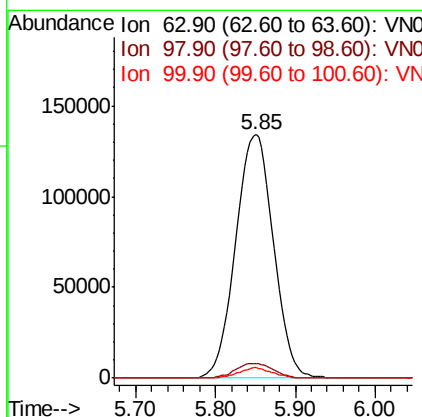
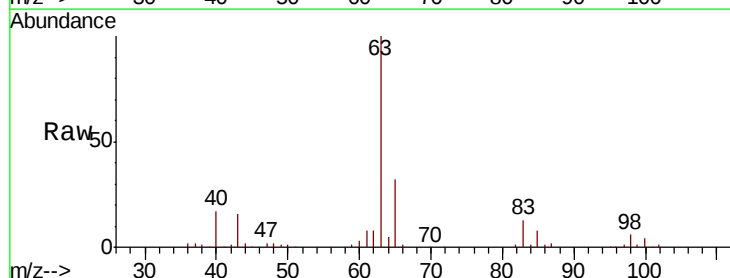
Instrument :
 MSVOA_N
 ClientSampleId :

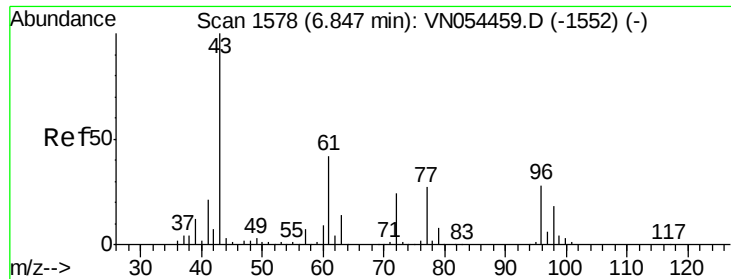
Tot Ion: 43 Resp: 2987831
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 55.764 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion: 63 Resp: 430560
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.5 10.5
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 278.987 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

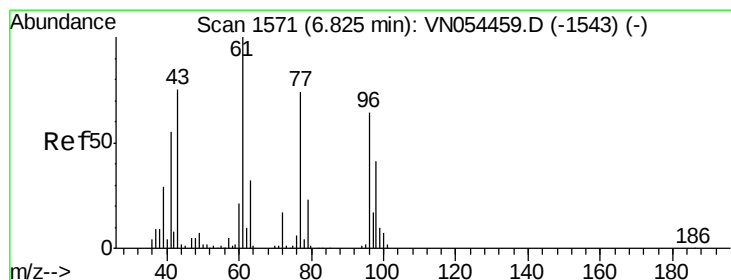
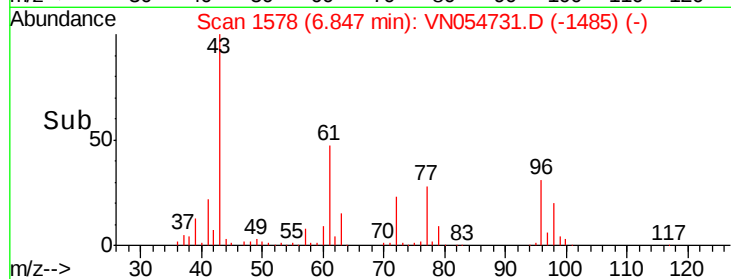
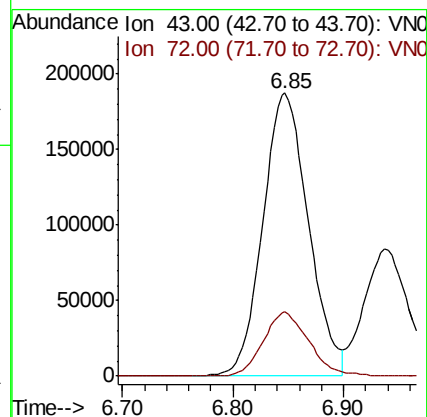
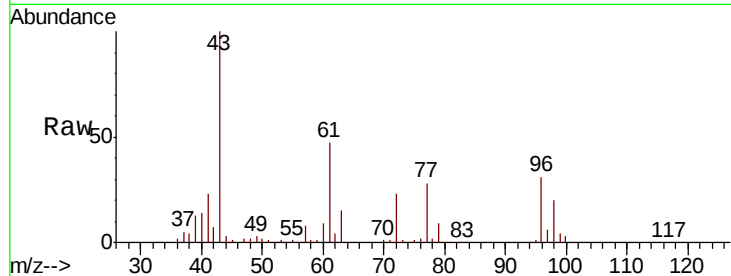
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 534946

Ion Ratio Lower Upper

43 100

72 22.7 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 51.878 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054731.D

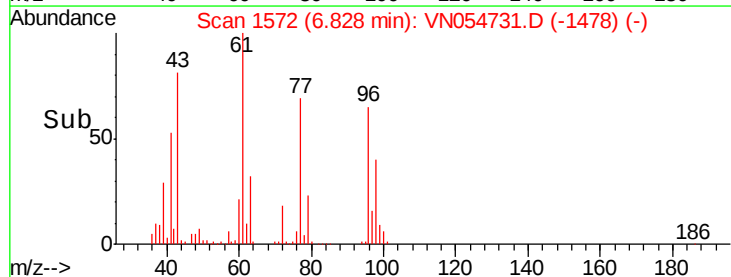
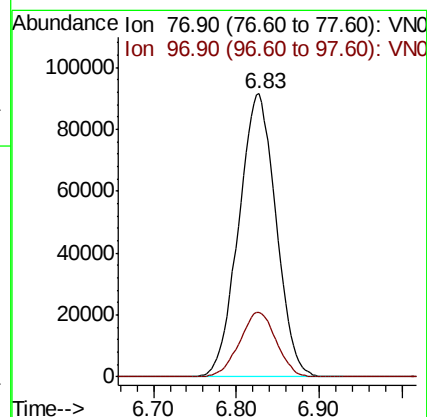
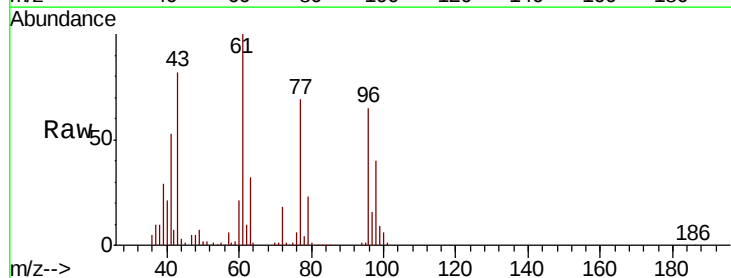
Acq: 27 Mar 2019 19:14

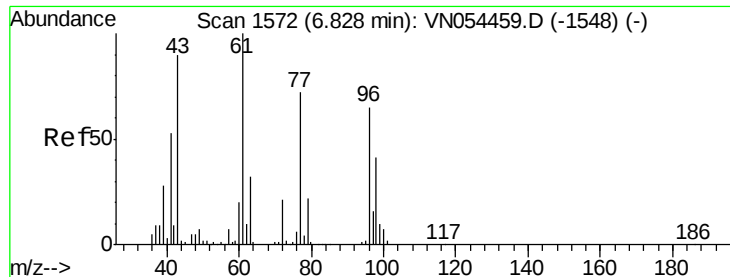
Tgt Ion: 77 Resp: 285532

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.082 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampled :

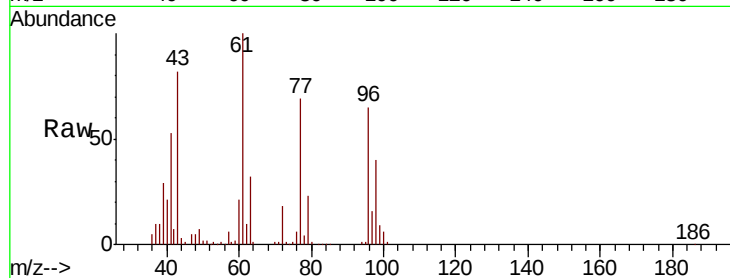
Tot Ion: 96 Resp: 249604

Ion Ratio Lower Upper

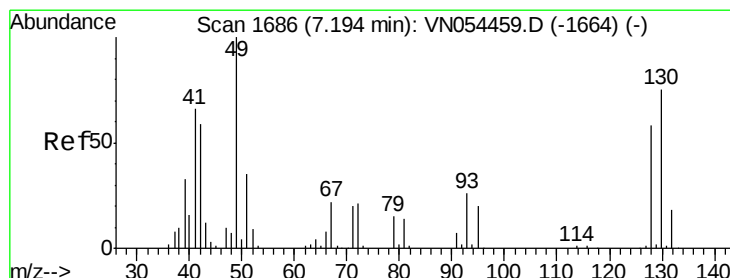
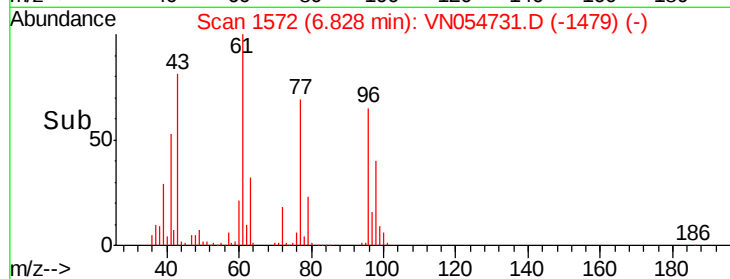
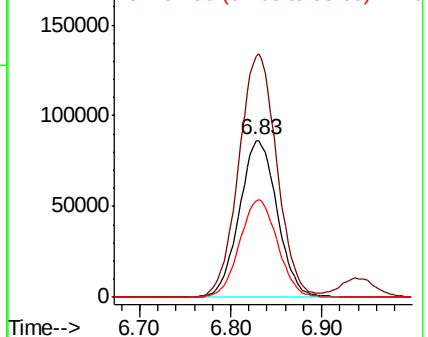
96 100

61 156.3 0.0 273.0

98 62.5 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: 57.637 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

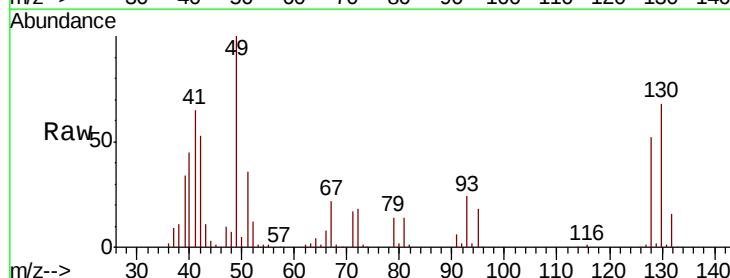
Tgt Ion: 49 Resp: 219048

Ion Ratio Lower Upper

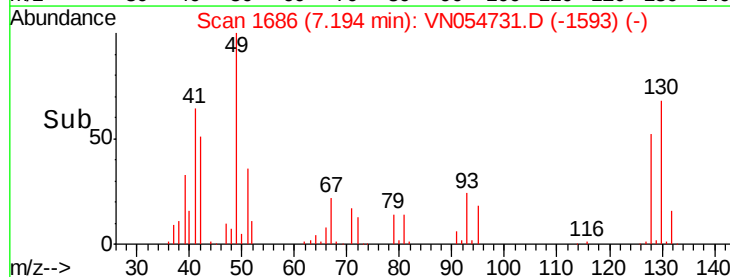
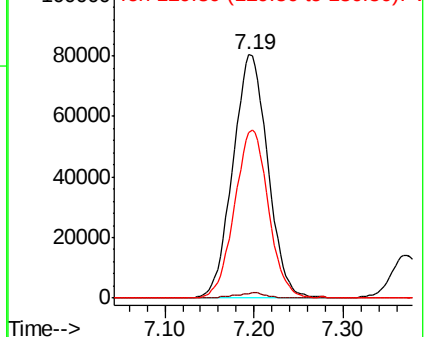
49 100

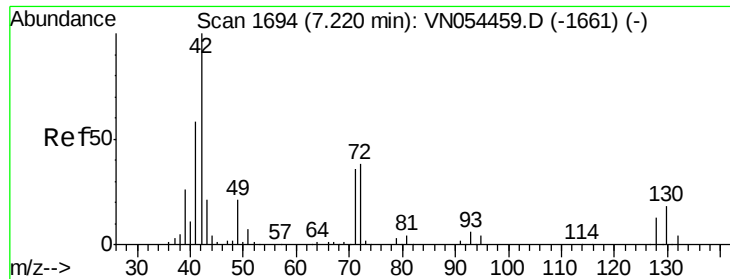
129 2.0 0.0 4.6

130 66.9 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

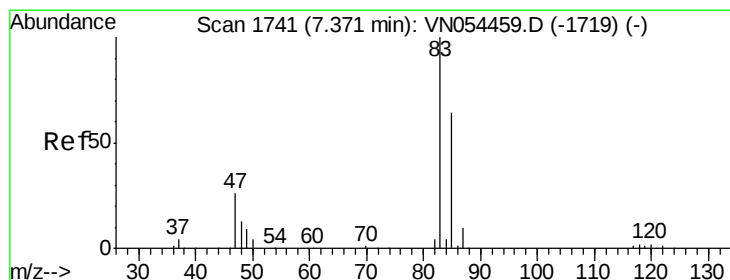
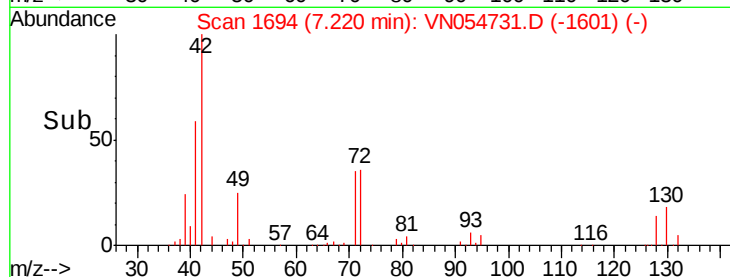
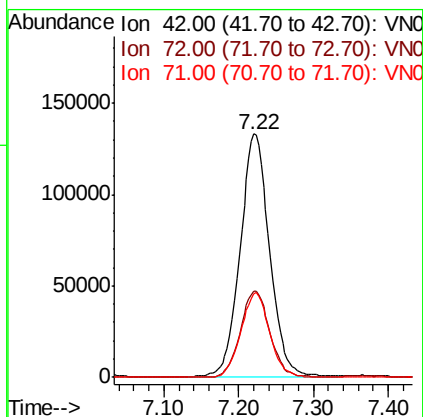
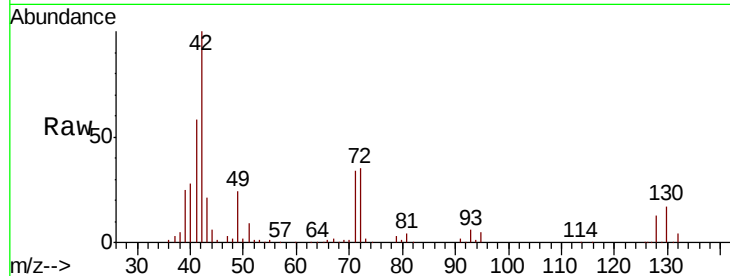




#29
Tetrahydrofuran
Concen: 290.963 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

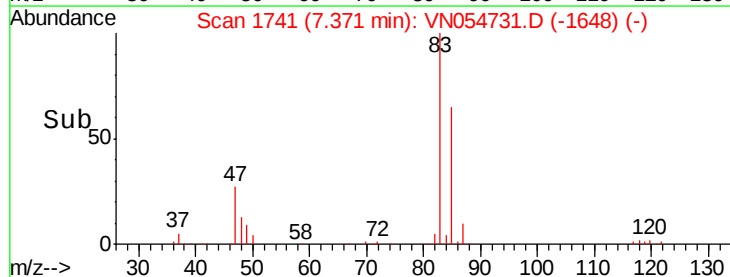
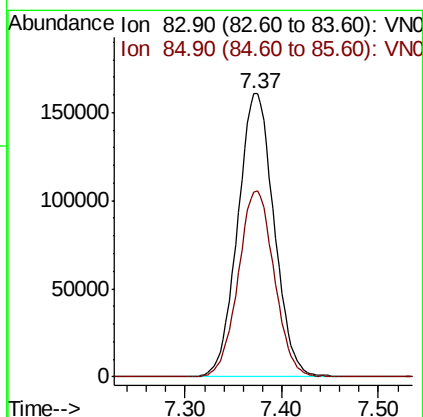
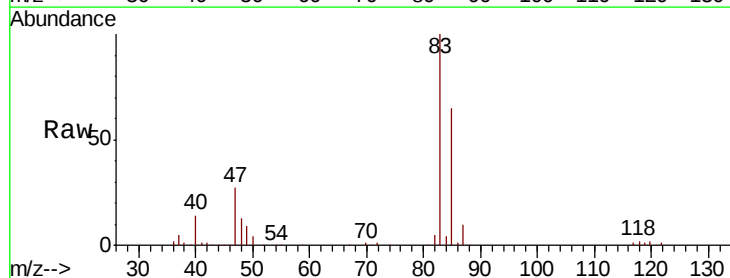
Instrument :
MSVOA_N
ClientSampleId :

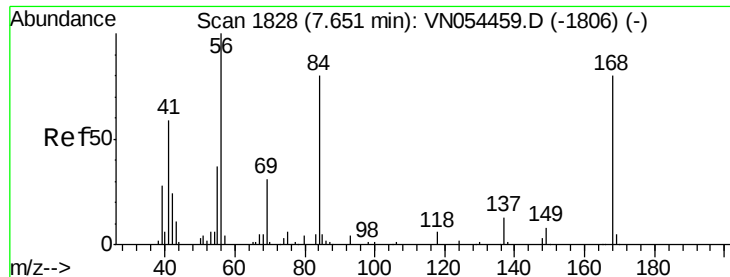
Tot Ion: 42 Resp: 362047
Ion Ratio Lower Upper
42 100
72 35.7 37.8 56.6#
71 34.2 36.2 54.2#



#30
Chloroform
Concen: 55.576 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 83 Resp: 418771
Ion Ratio Lower Upper
83 100
85 65.5 52.2 78.4





#31

Cyclohexane

Concen: 52.145 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampled :

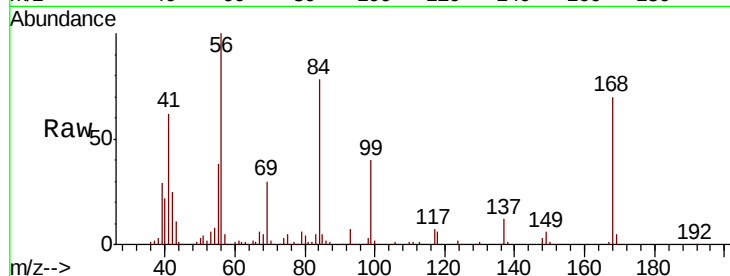
Tot Ion: 56 Resp: 385202

Ion Ratio Lower Upper

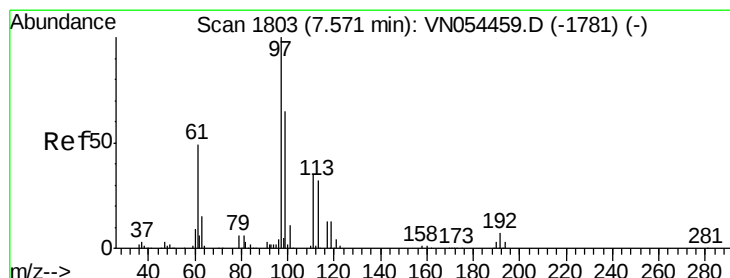
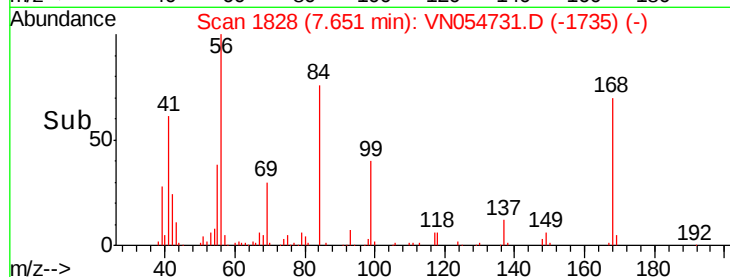
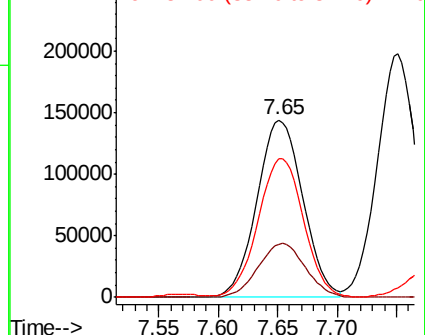
56 100

69 29.8 27.8 41.6

84 76.8 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: 55.808 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

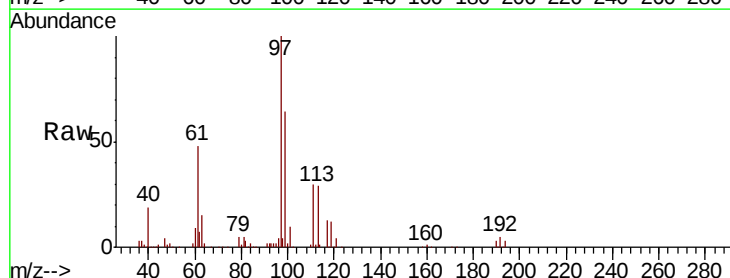
Tgt Ion: 97 Resp: 346930

Ion Ratio Lower Upper

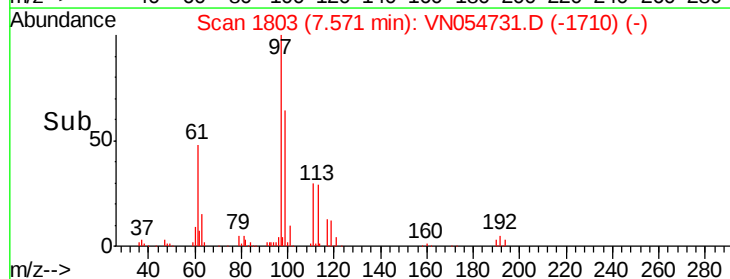
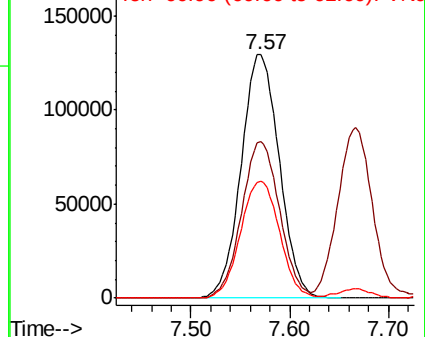
97 100

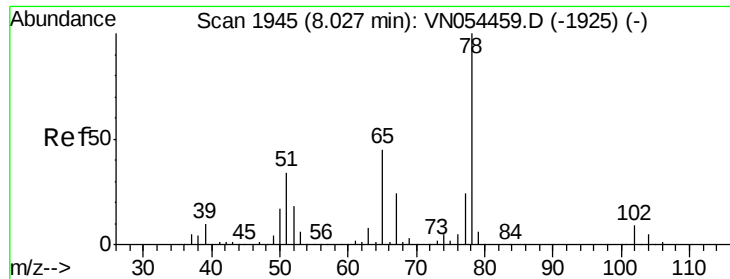
99 64.0 51.5 77.3

61 49.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

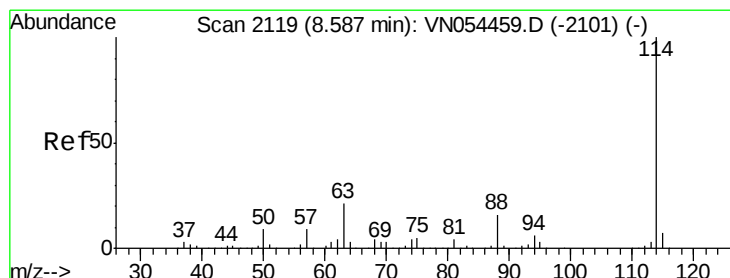
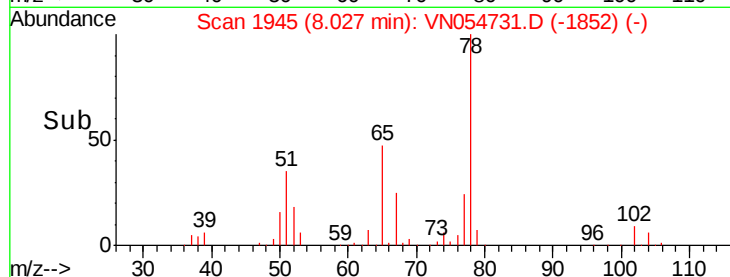
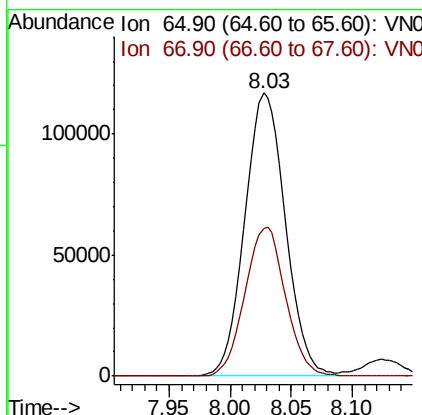
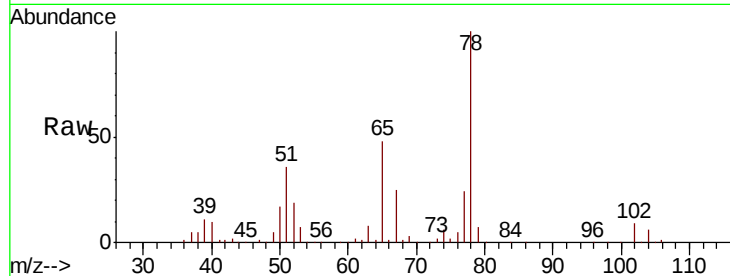




#33
 1,2-Dichloroethane-d4
 Concen: 54.198 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

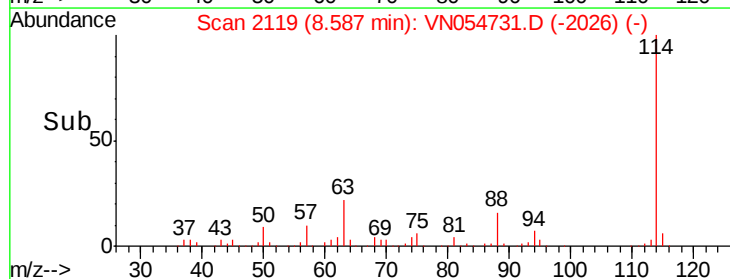
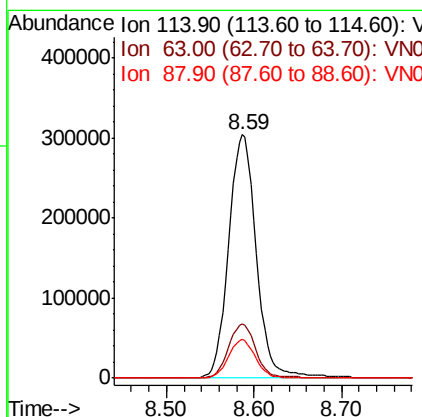
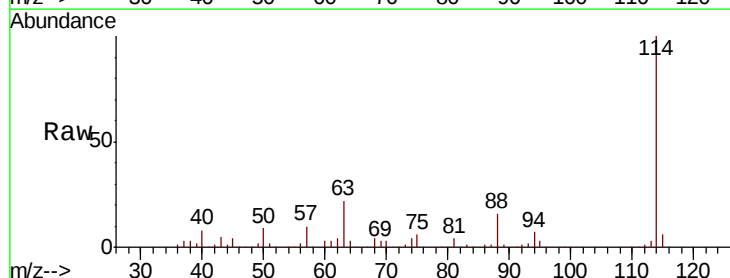
Instrument :
 MSVOA_N
 ClientSampleId :

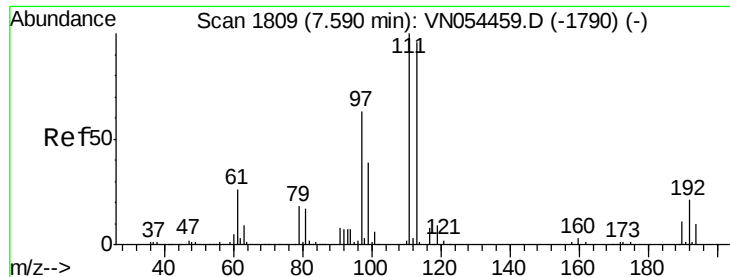
Tot Ion: 65 Resp: 269836
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion: 114 Resp: 668287
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.9 0.0 30.2

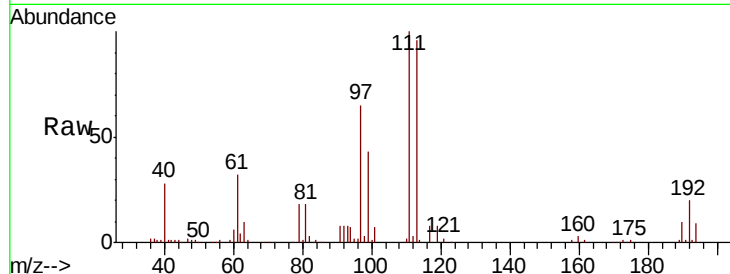




#35
 Dibromofluoromethane
 Concen: 50.051 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.2	123.4
192	20.8	19.2	28.8

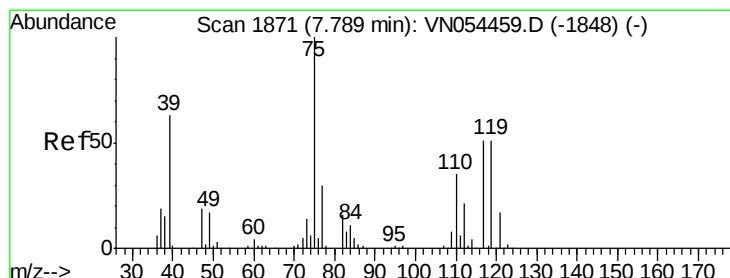
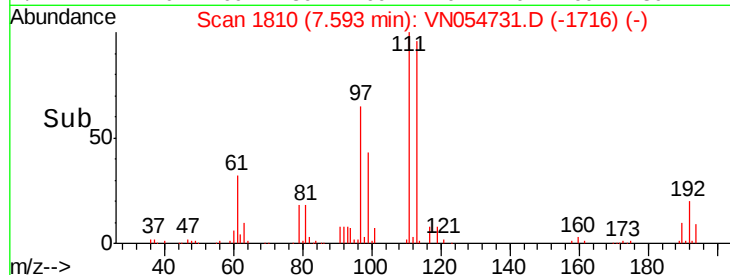
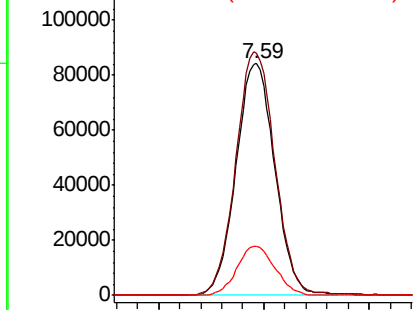


Abundance

Ion 112.80 (112.50 to 113.50): V

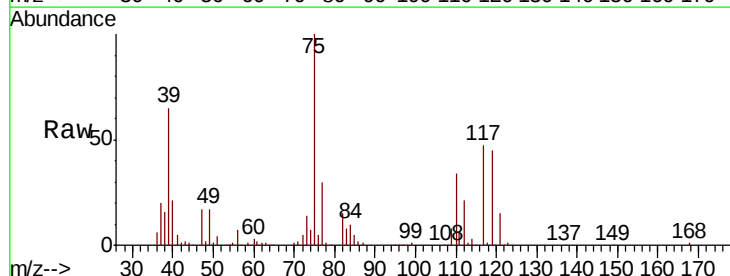
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.585 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	19.1	57.5
77	30.4	25.0	37.4

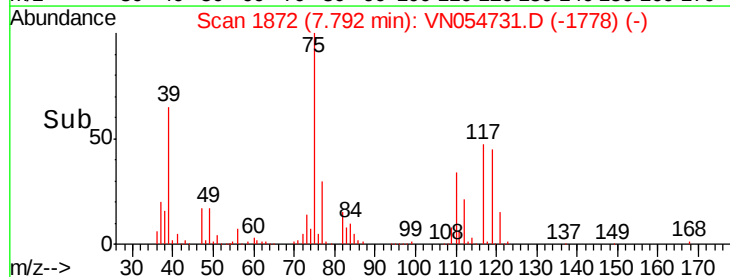
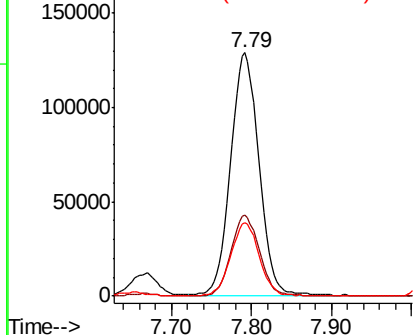


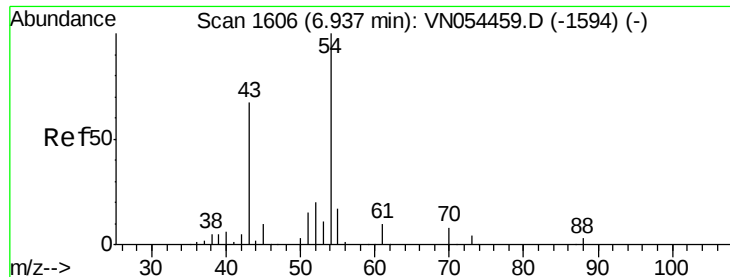
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

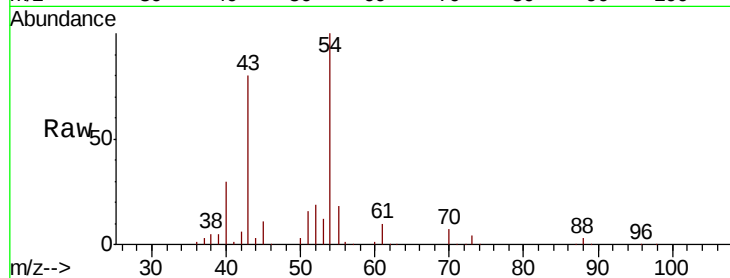




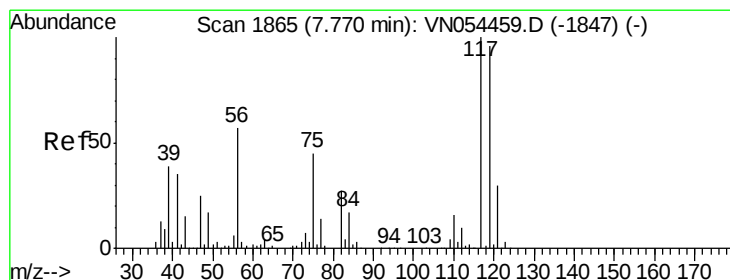
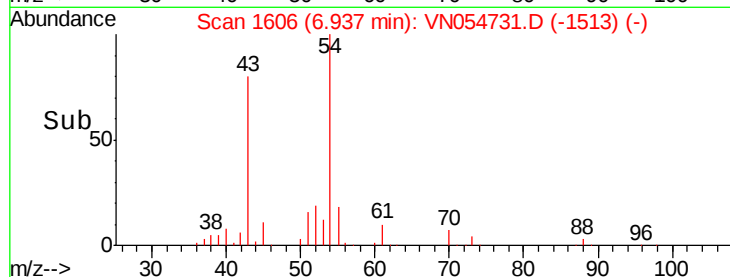
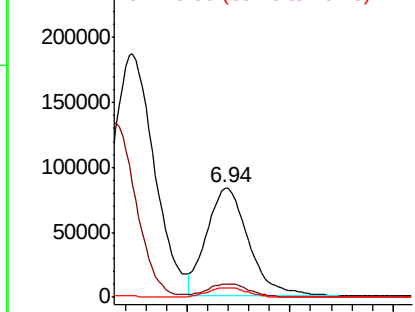
#37
Ethyl Acetate
Concen: 52.702 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 234218
Ion Ratio Lower Upper
43 100
61 12.3 11.8 17.6
70 8.9 8.4 12.6

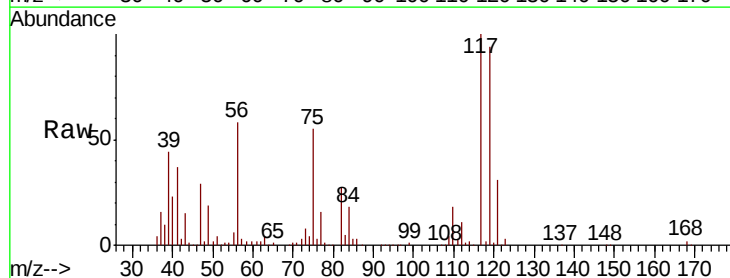


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

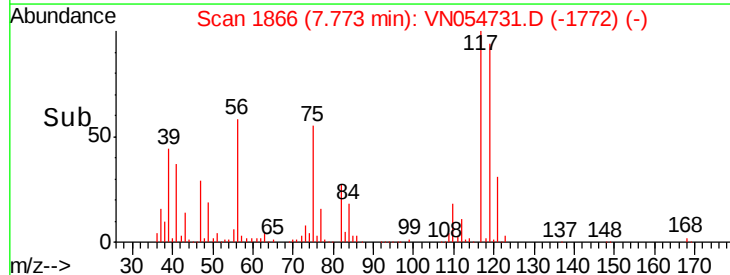
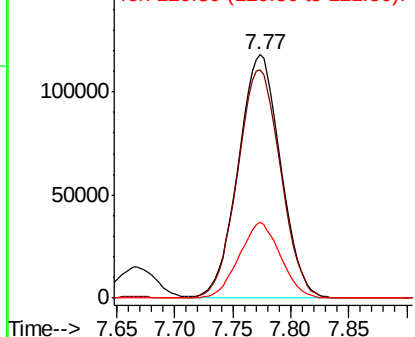


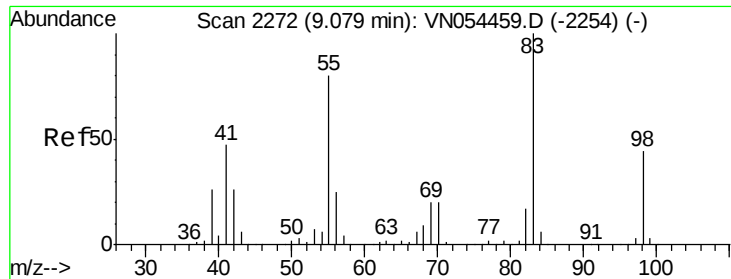
#38
Carbon Tetrachloride
Concen: 49.294 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 117 Resp: 299320
Ion Ratio Lower Upper
117 100
119 93.6 76.3 114.5
121 31.2 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

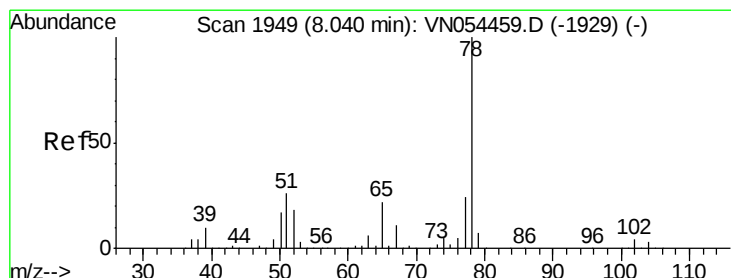
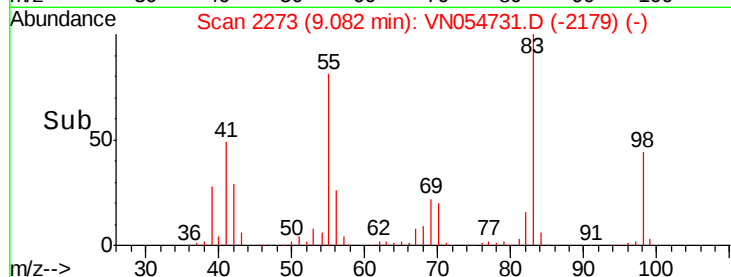
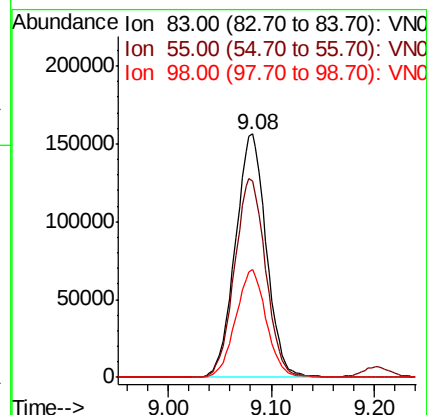
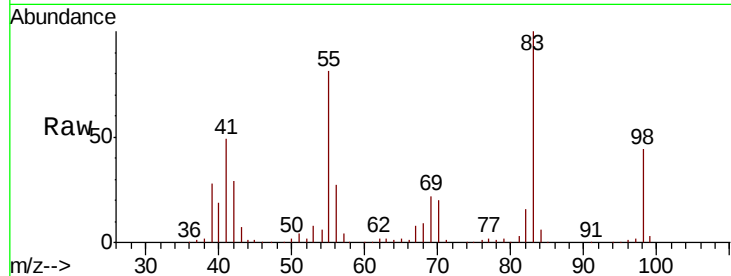




#39
Methvlcvclohexane
Concen: 45.644 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

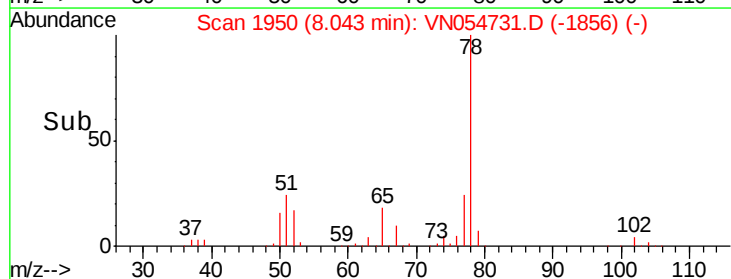
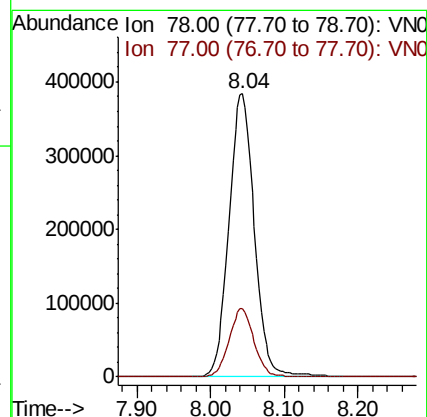
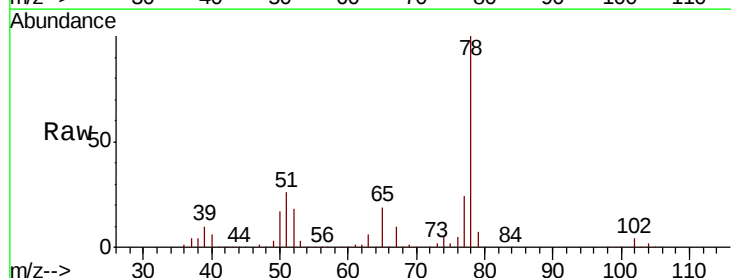
Instrument :
MSVOA_N
ClientSampled :

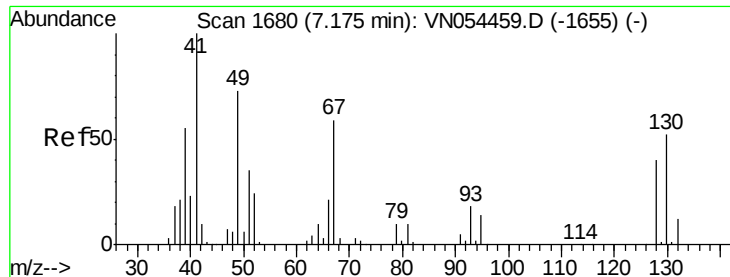
Tot Ion	83	Resp	326247
Ion Ratio	Lower	Upper	
83	100		
55	80.6	56.6	84.8
98	44.2	38.4	57.6



#40
Benzene
Concen: 51.499 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion	78	Resp	920177
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.1	28.7

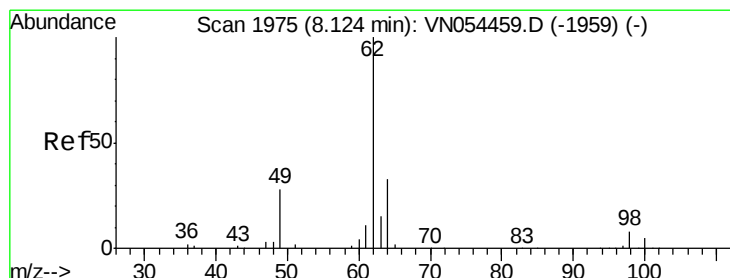
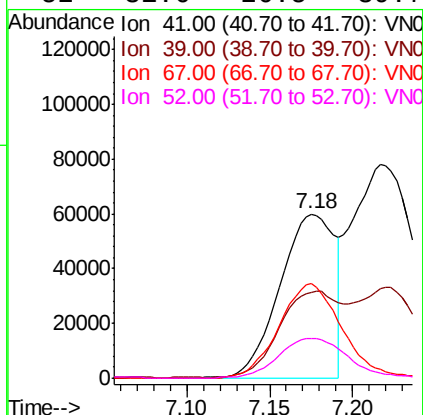
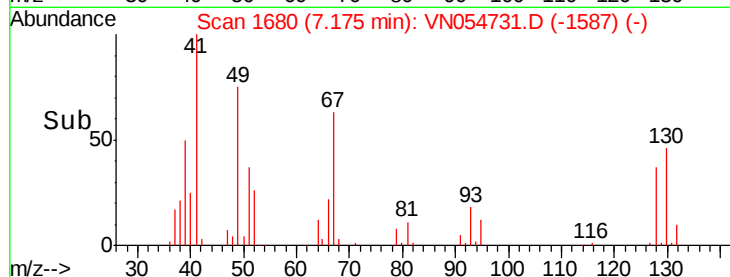
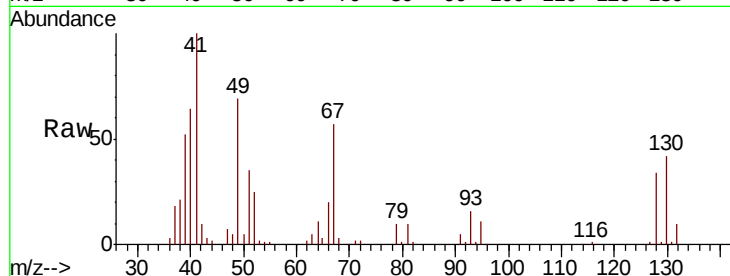




#41
Methacrylonitrile
Concen: 50.769 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

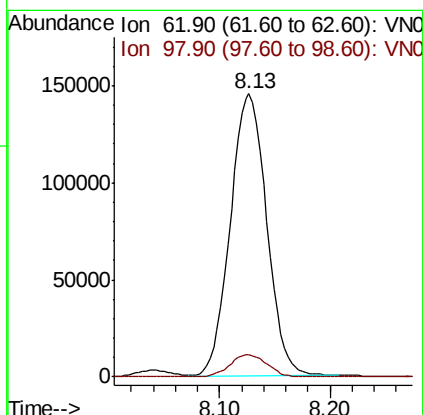
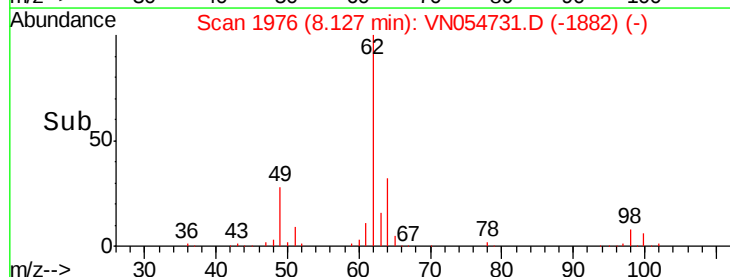
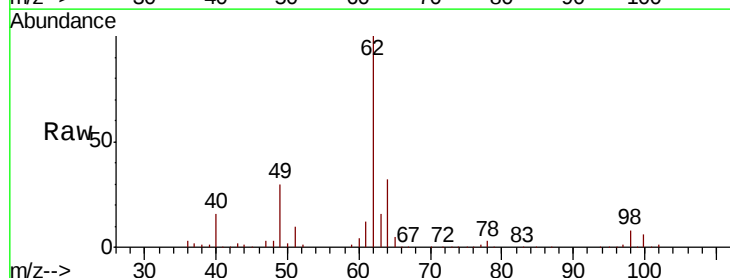
Instrument :
MSVOA_N
ClientSampled :

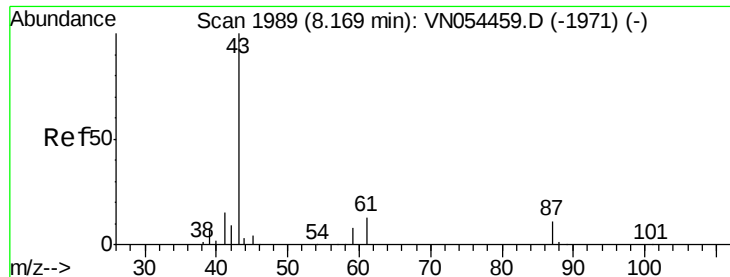
Tot Ion: 41 Resp: 137600
Ion Ratio Lower Upper
41 100
39 61.2 46.8 70.2
67 66.6 67.0 100.4#
52 31.6 26.5 39.7



#42
1,2-Dichloroethane
Concen: 51.144 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 62 Resp: 332798
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 56.445 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampled :

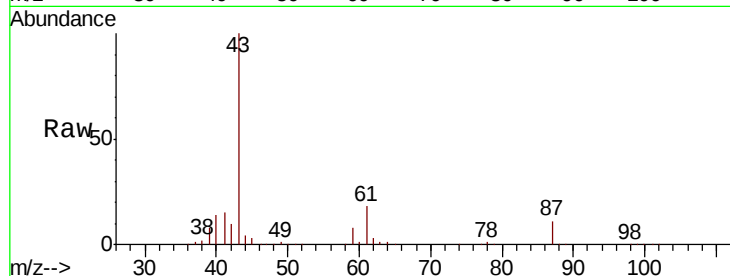
Tot Ion: 43 Resp: 423654

Ion Ratio Lower Upper

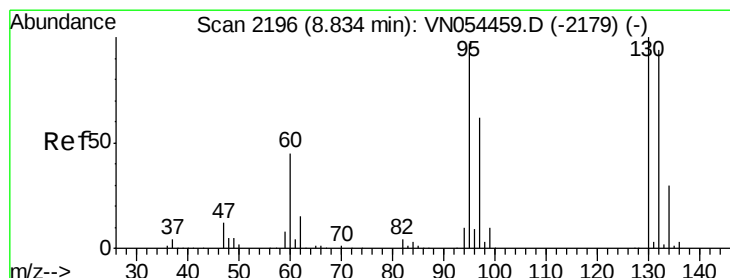
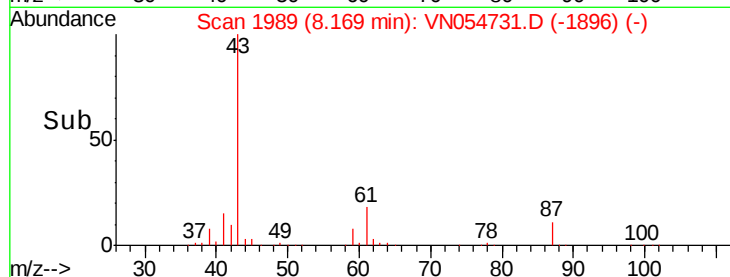
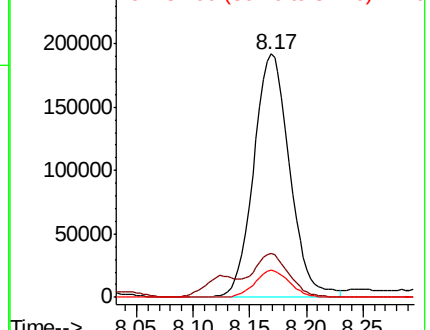
43 100

61 16.8 15.8 23.8

87 10.9 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 47.738 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054731.D

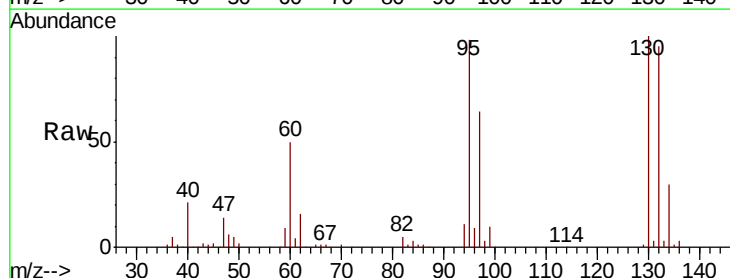
Acq: 27 Mar 2019 19:14

Tgt Ion:130 Resp: 237146

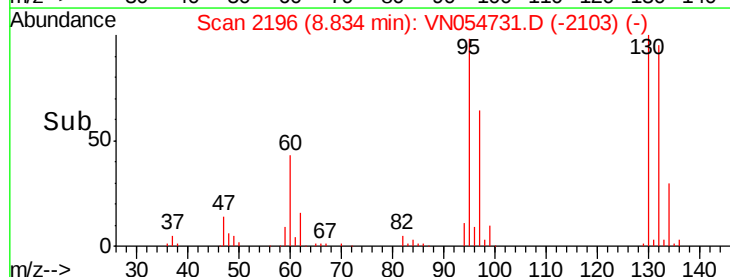
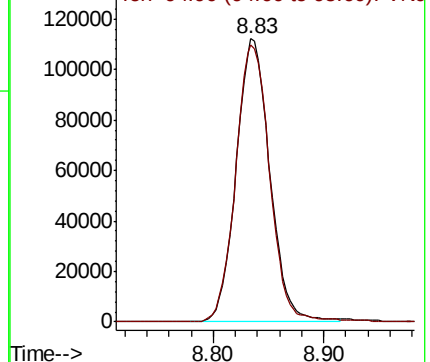
Ion Ratio Lower Upper

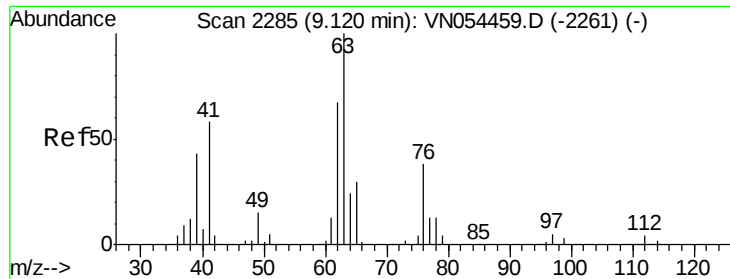
130 100

95 97.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 55.200 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

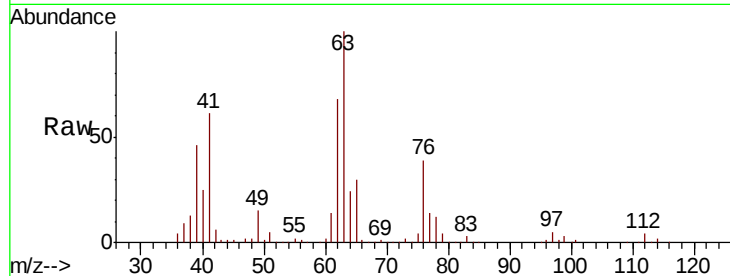
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 264844

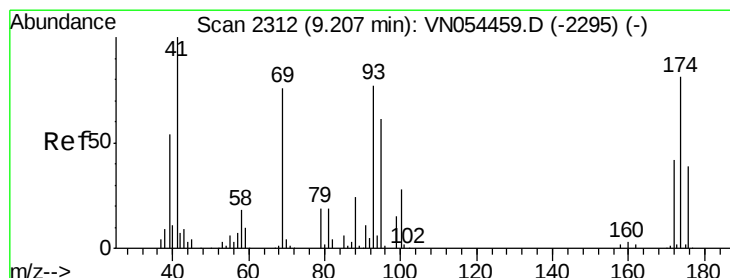
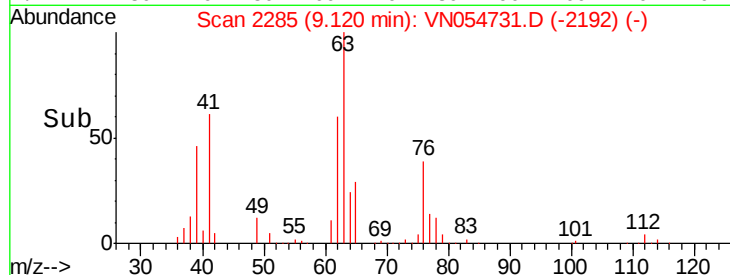
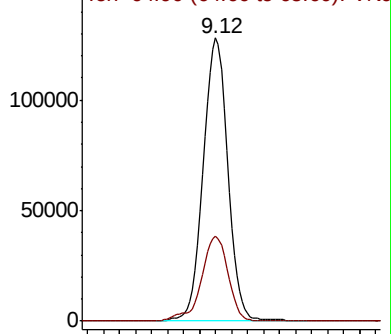
Ion Ratio Lower Upper

63 100

65 30.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.805 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

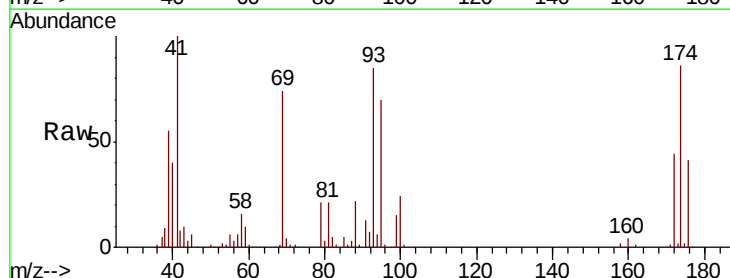
Tgt Ion: 93 Resp: 151145

Ion Ratio Lower Upper

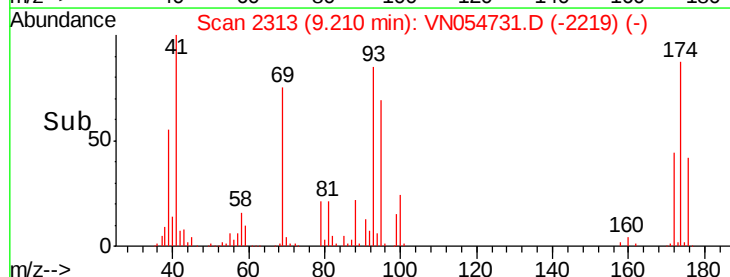
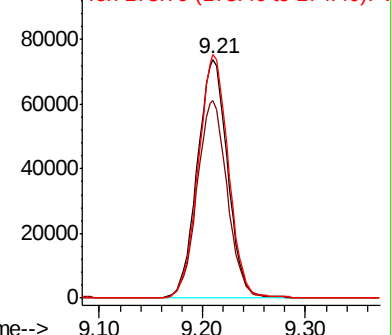
93 100

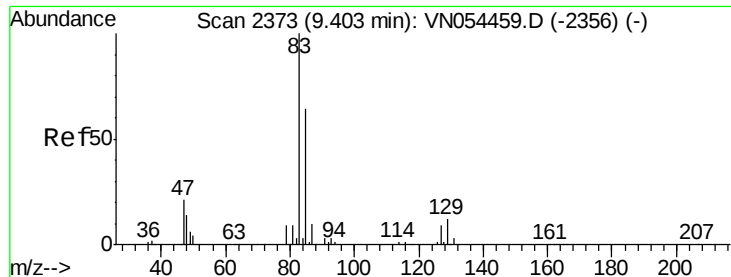
95 82.4 66.7 100.1

174 101.4 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.760 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :

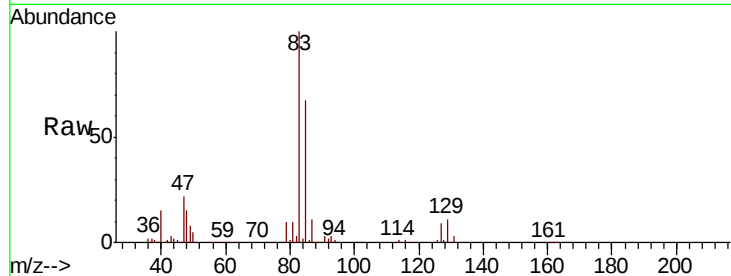
Tot Ion: 83 Resp: 319352

Ion Ratio Lower Upper

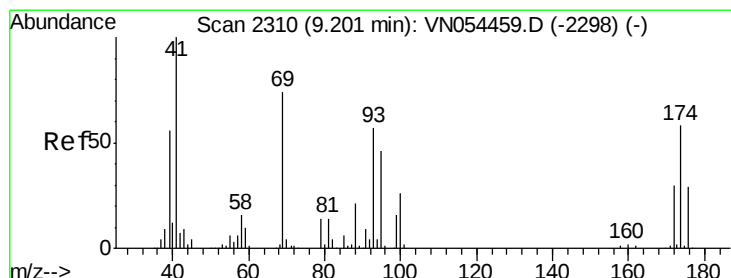
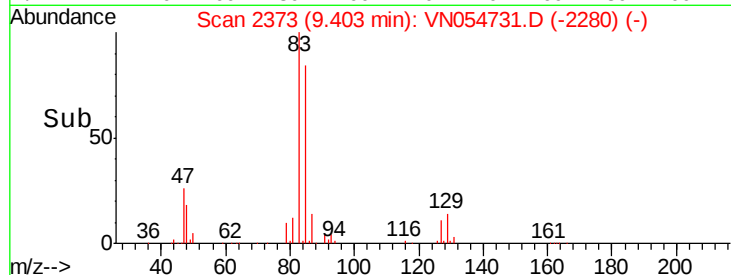
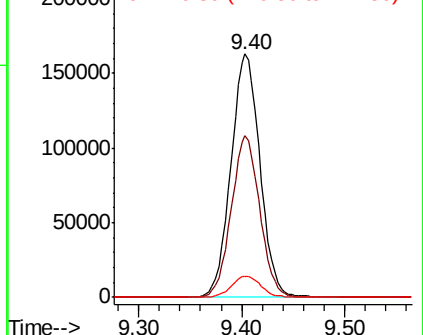
83 100

85 66.6 52.8 79.2

127 8.5 7.4 11.2



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



#48

Methyl methacrylate

Concen: 51.251 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

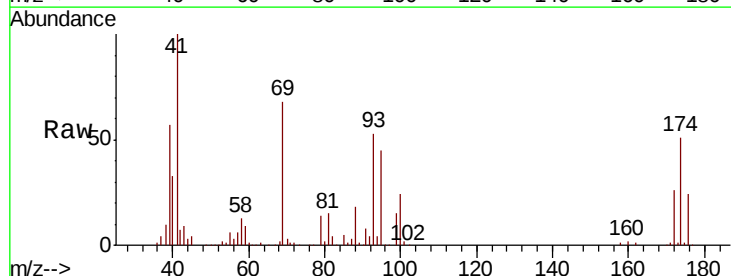
Tgt Ion: 41 Resp: 208784

Ion Ratio Lower Upper

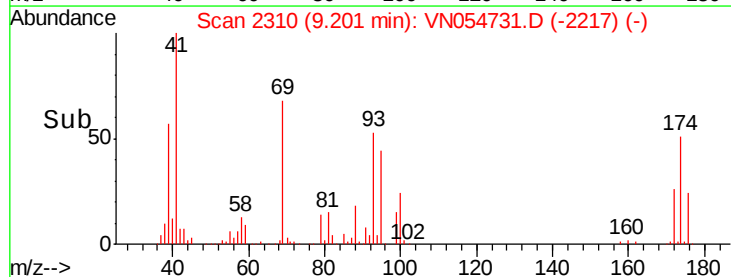
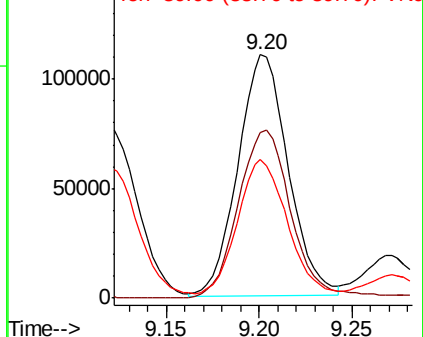
41 100

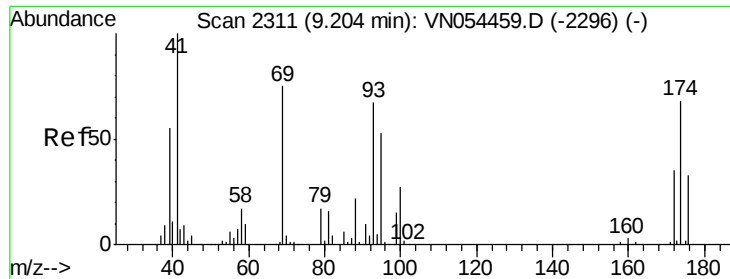
69 73.6 72.6 108.8

39 56.6 47.5 71.3



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





#49

1,4-Dioxane

Concen: 932.542 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :
MSVOA_N
ClientSampleId :

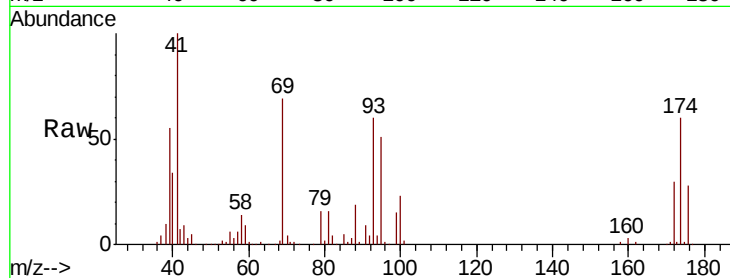
Tot Ion: 88 Resp: 42470

Ion Ratio Lower Upper

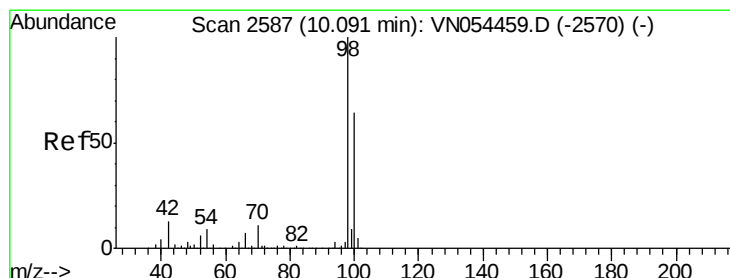
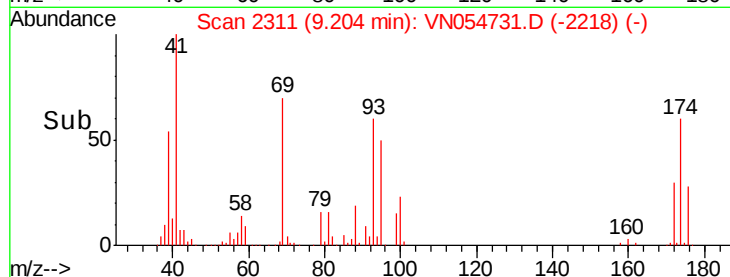
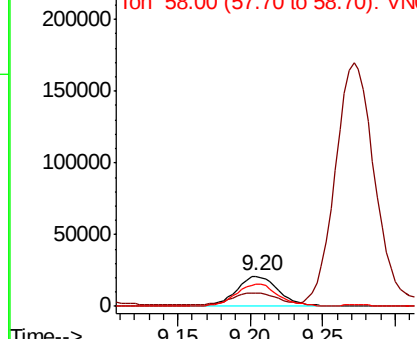
88 100

43 42.7 24.1 36.1#

58 74.6 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: 48.634 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054731.D

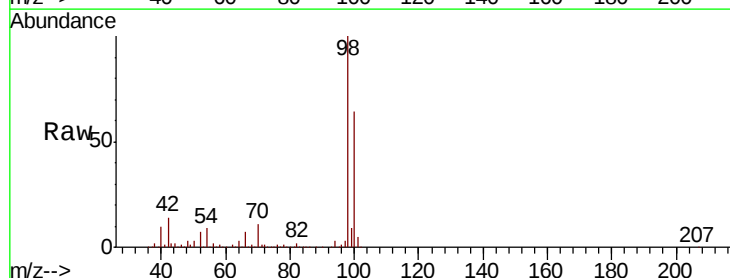
Acq: 27 Mar 2019 19:14

Tgt Ion: 98 Resp: 787173

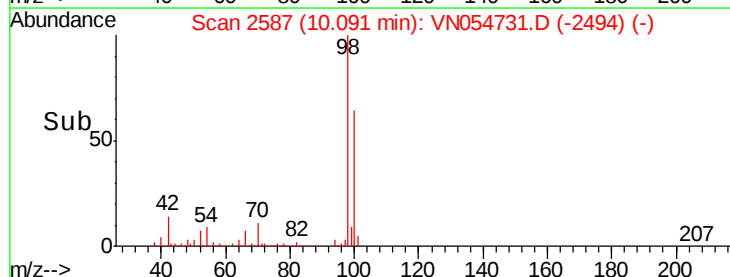
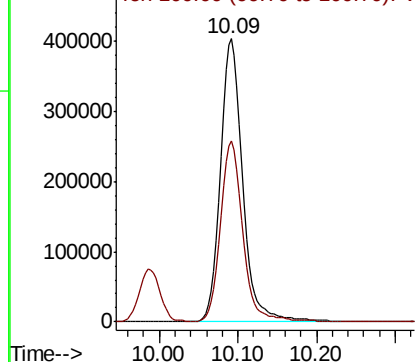
Ion Ratio Lower Upper

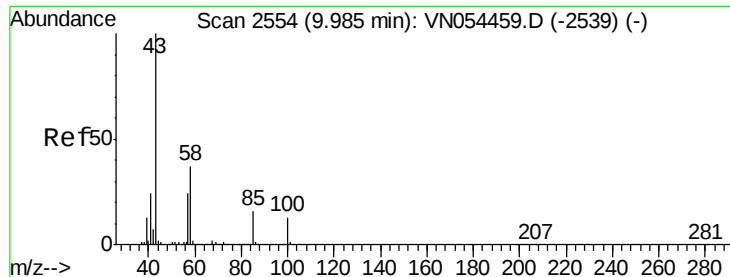
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 284.195 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

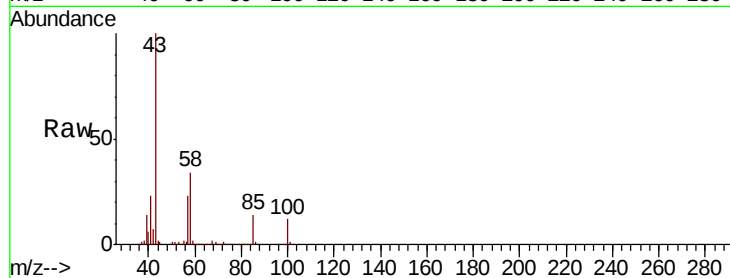
ClientSampled :

Tot Ion: 43 Resp: 1182145

Ion Ratio Lower Upper

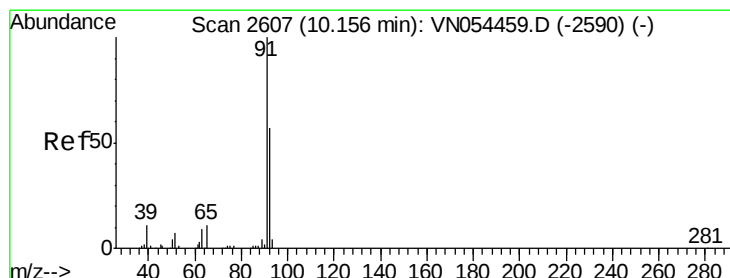
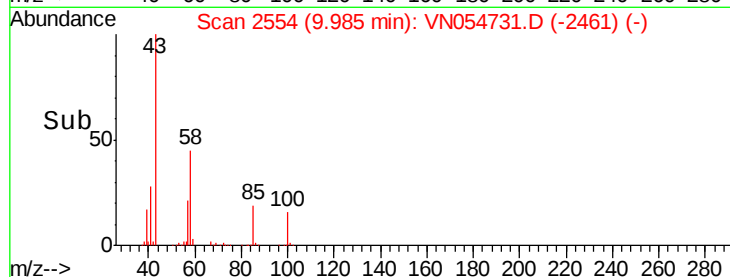
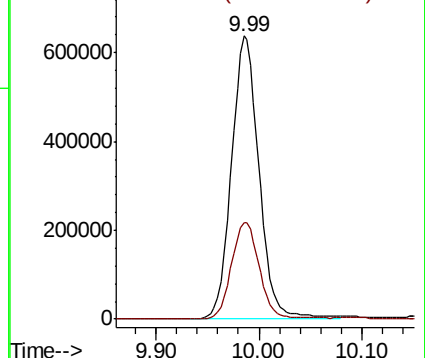
43 100

58 35.1 31.8 47.6



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

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



#52

Toluene

Concen: 49.669 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054731.D

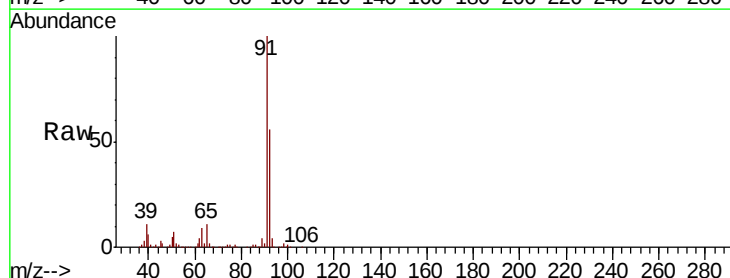
Acq: 27 Mar 2019 19:14

Tgt Ion: 92 Resp: 545850

Ion Ratio Lower Upper

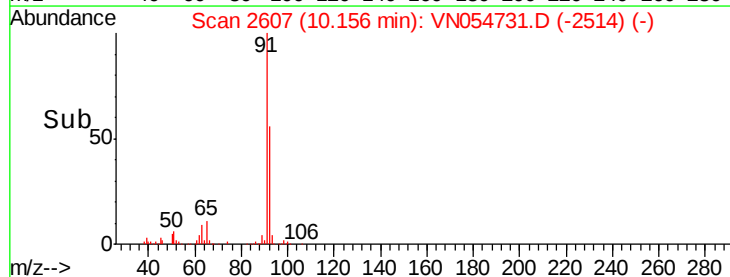
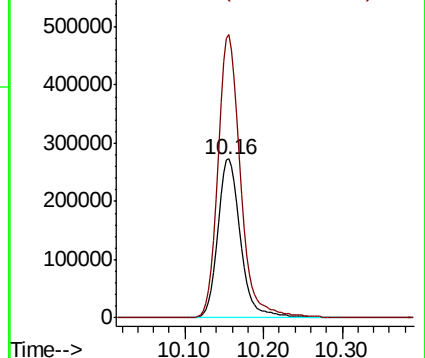
92 100

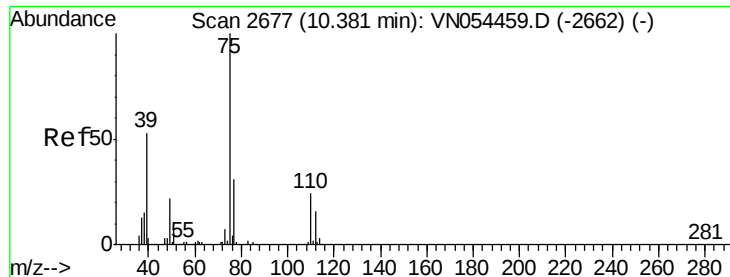
91 176.8 140.7 211.1



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

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





#53

t-1,3-Dichloropropene

Concen: 48.796 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

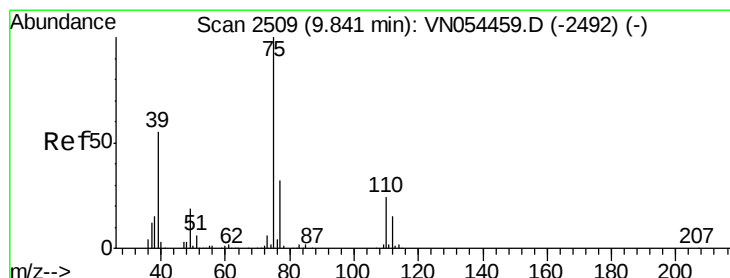
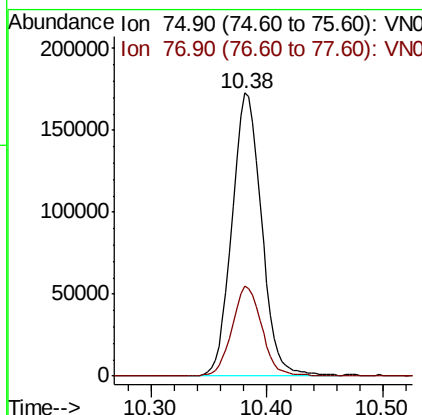
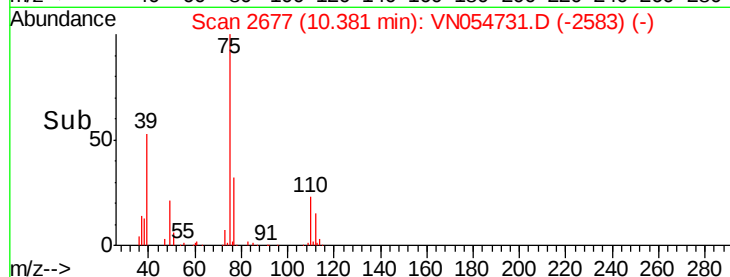
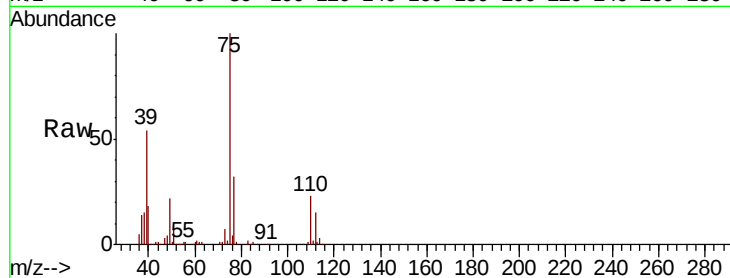
ClientSampleId :

Tot Ion: 75 Resp: 305426

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 54.040 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

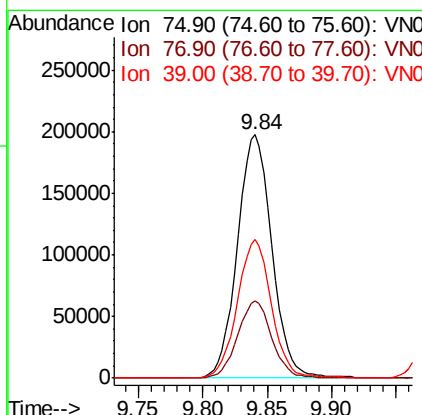
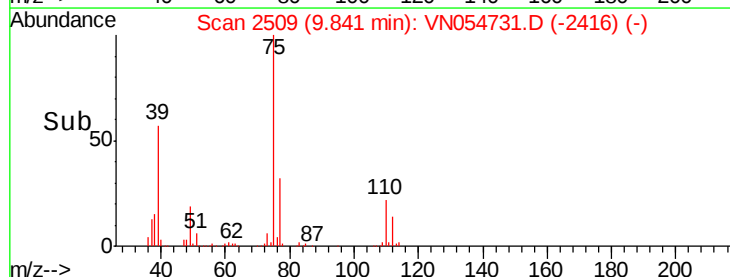
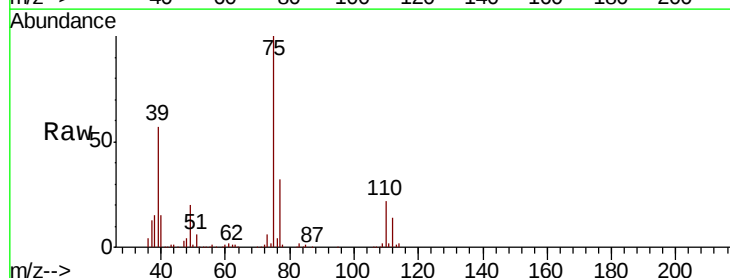
Tgt Ion: 75 Resp: 368077

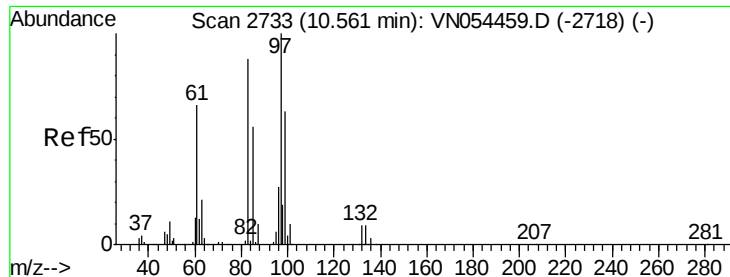
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 56.5 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 53.163 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 210012

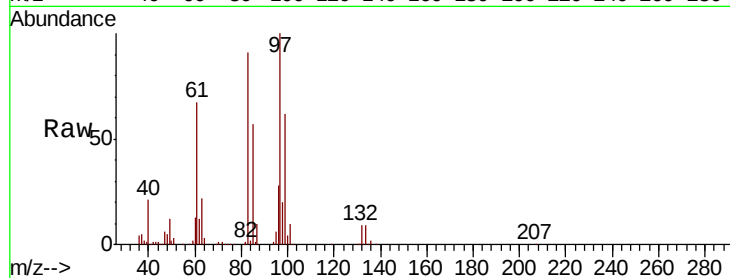
Ion Ratio Lower Upper

97 100

83 90.8 66.6 100.0

85 56.6 44.4 66.6

99 62.2 50.8 76.2

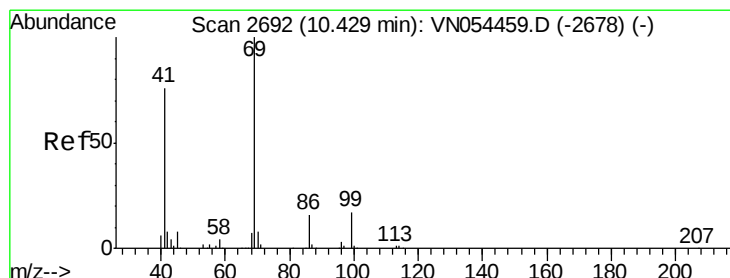
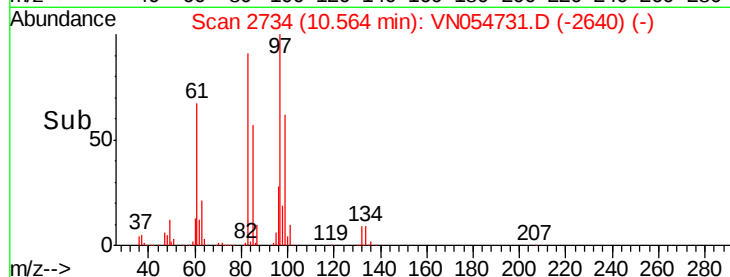
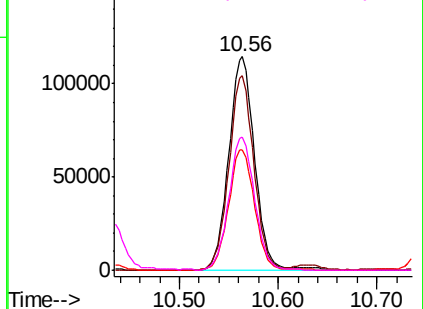


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 53.613 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

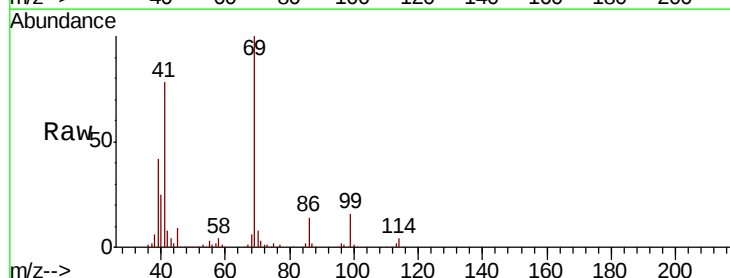
Tgt Ion: 69 Resp: 284270

Ion Ratio Lower Upper

69 100

41 79.2 49.4 74.2#

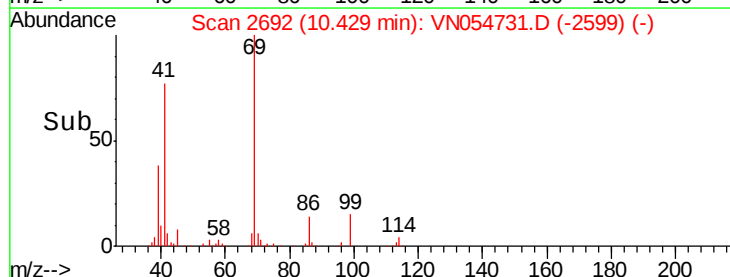
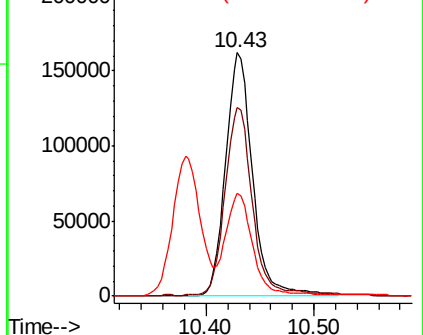
39 41.9 28.3 42.5

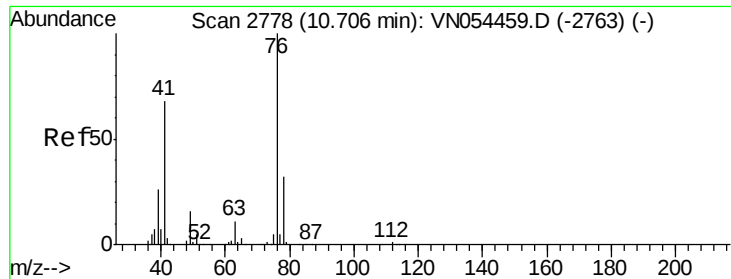


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 53.146 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

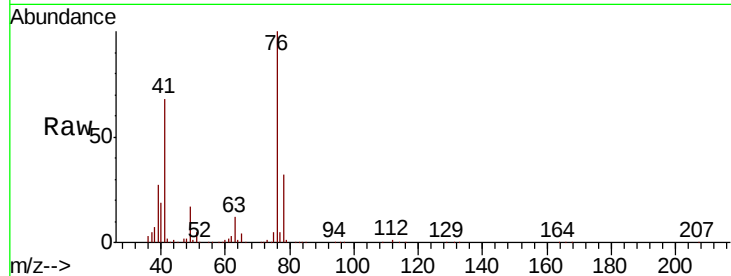
ClientSampled :

Tot Ion: 76 Resp: 364955

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

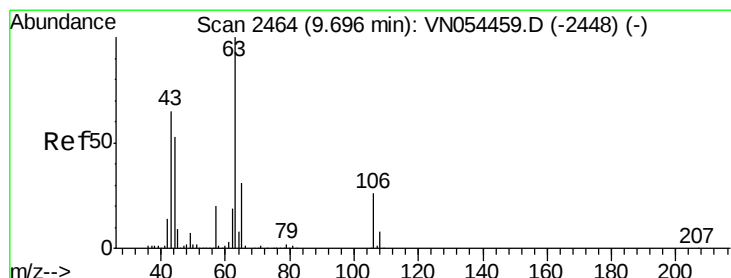
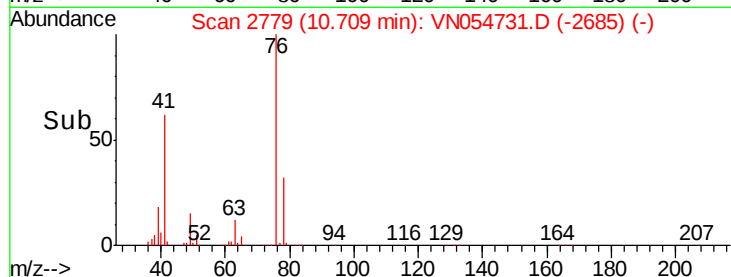
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 247.218 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054731.D

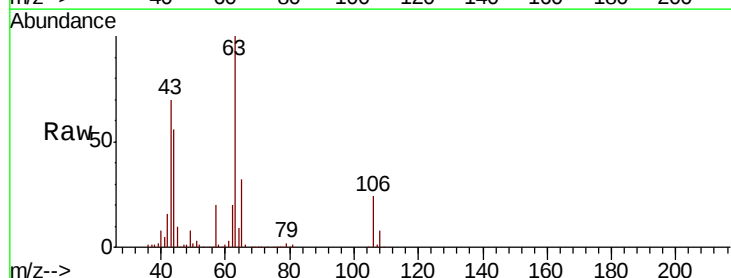
Acq: 27 Mar 2019 19:14

Tgt Ion: 63 Resp: 539758

Ion Ratio Lower Upper

63 100

106 24.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

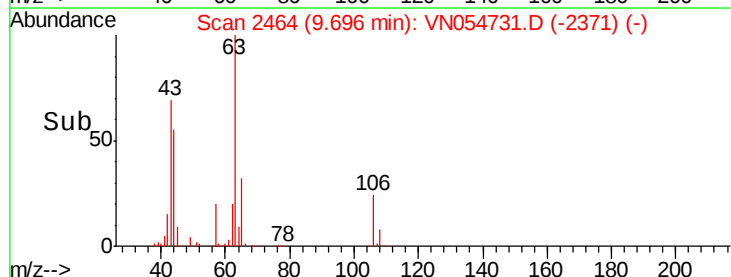
300000

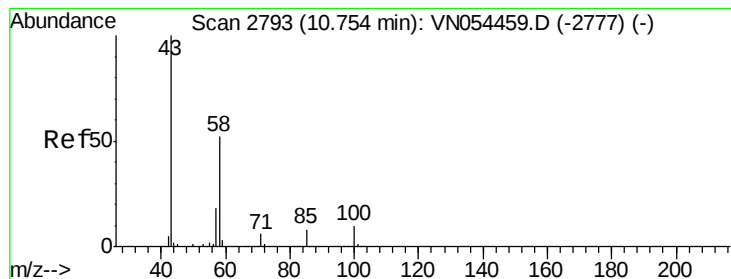
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80





#59

2-Hexanone

Concen: 265.789 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

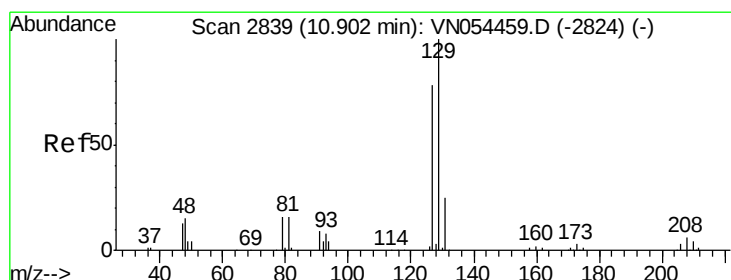
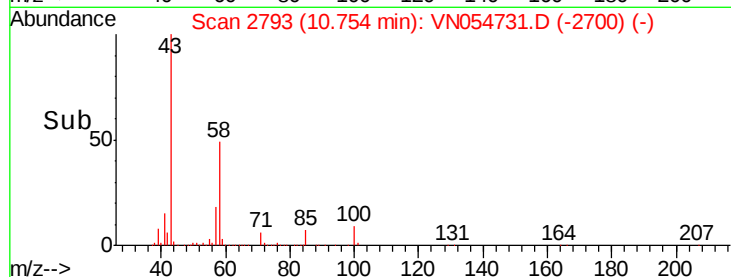
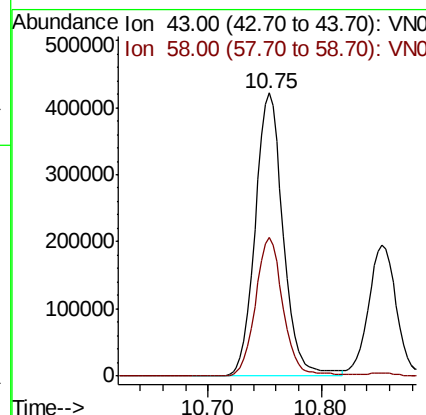
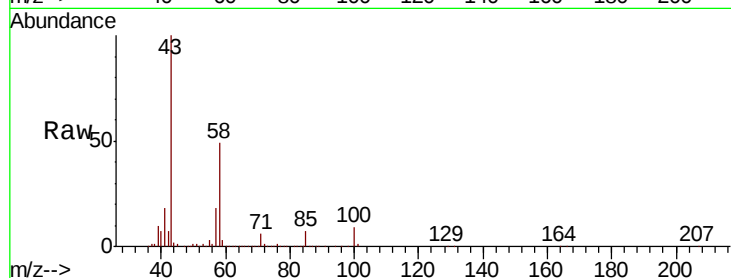
ClientSampled :

Tot Ion: 43 Resp: 722153

Ion Ratio Lower Upper

43 100

58 48.6 28.0 83.9



#60

Dibromochloromethane

Concen: 52.897 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054731.D

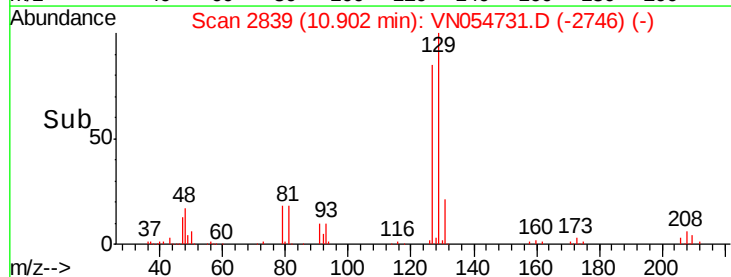
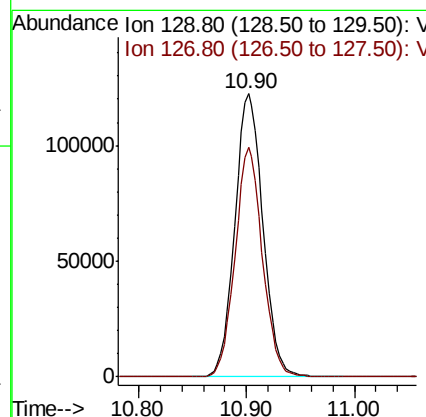
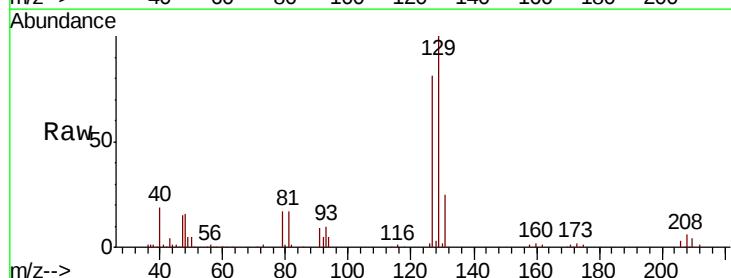
Acq: 27 Mar 2019 19:14

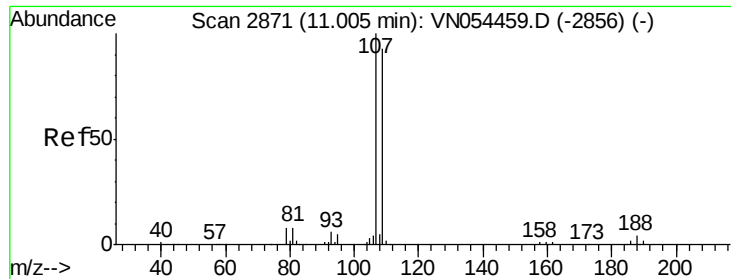
Tgt Ion: 129 Resp: 222358

Ion Ratio Lower Upper

129 100

127 78.8 38.6 115.8

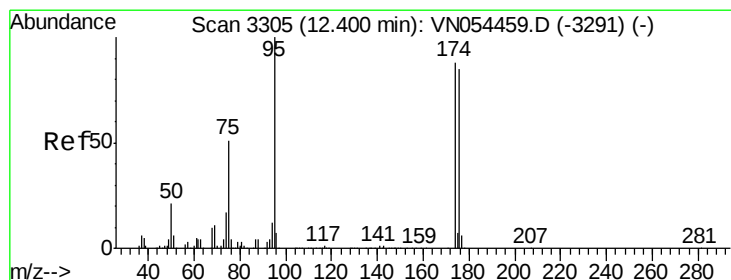
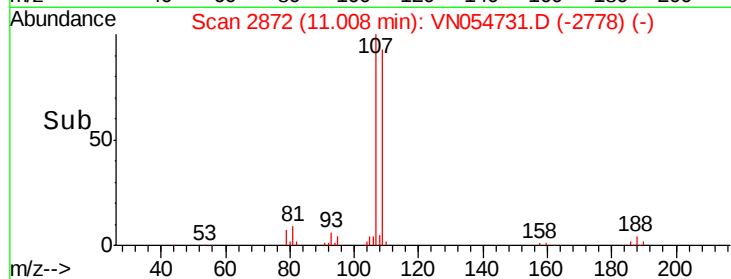
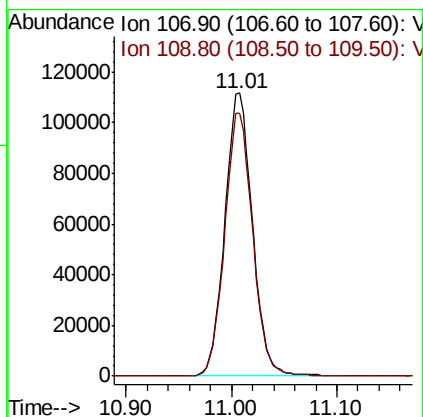
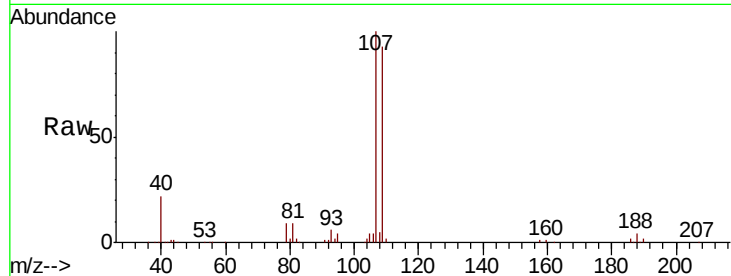




#61
 1,2-Dibromoethane
 Concen: 51.808 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

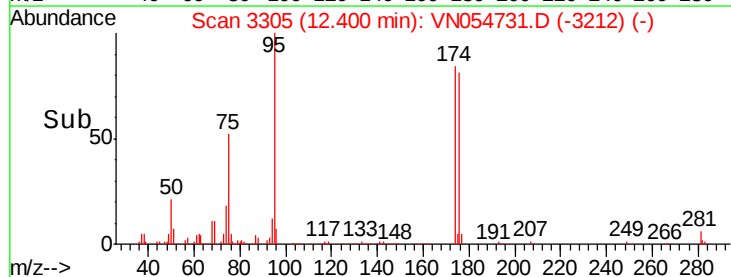
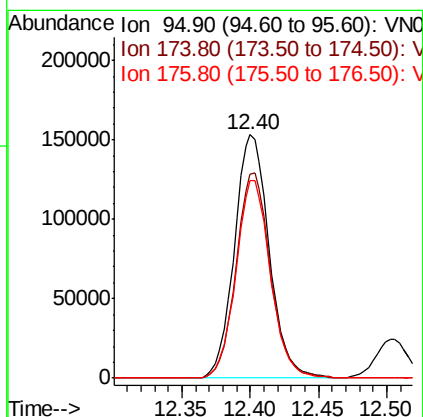
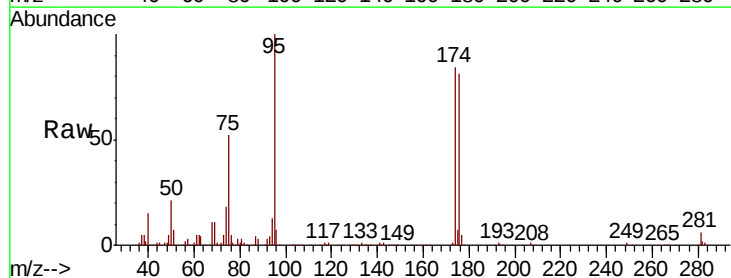
Instrument :
 MSVOA_N
 ClientSampleId :

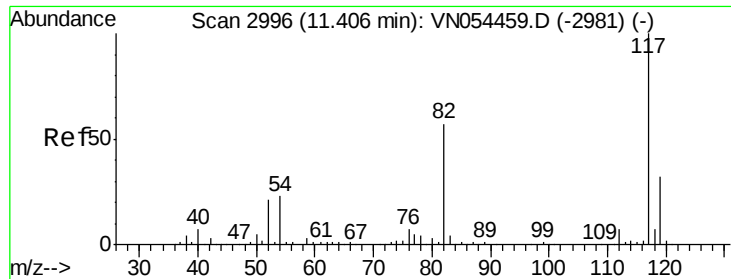
Tot Ion:107 Resp: 202334
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.185 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion: 95 Resp: 270899
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 191.0
 176 80.5 0.0 187.4

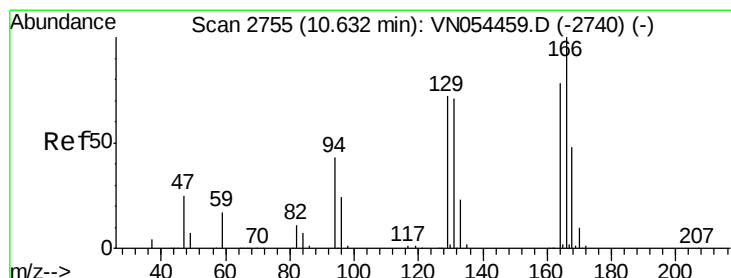
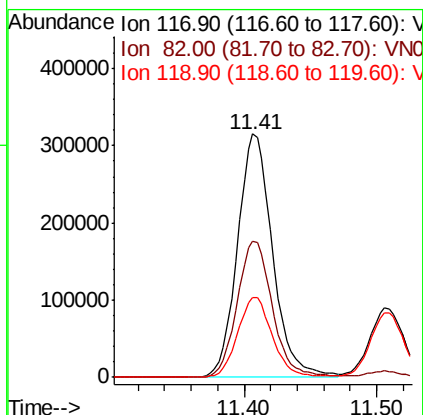
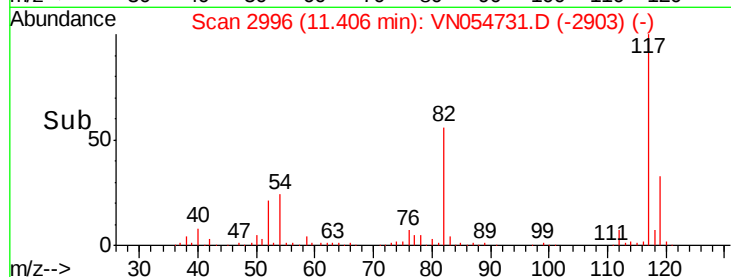
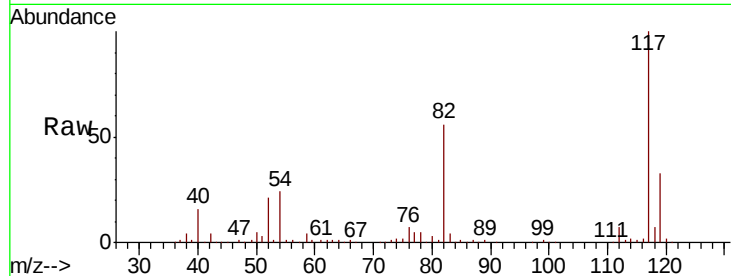




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

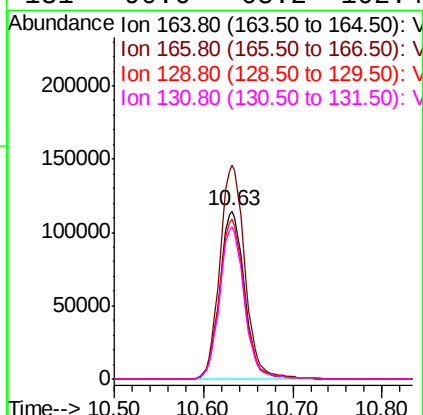
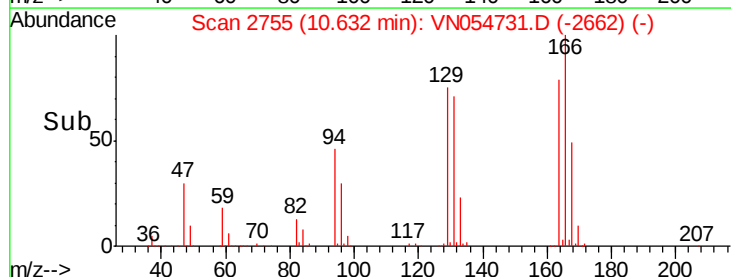
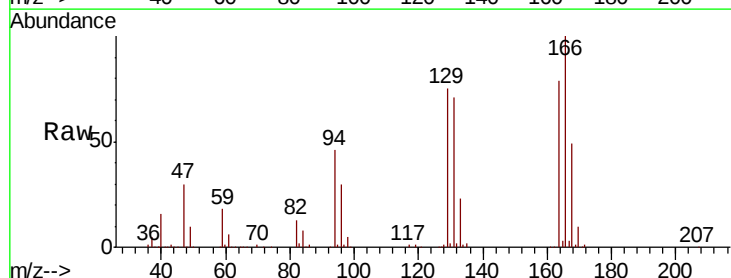
Instrument :
MSVOA_N
ClientSampleId :

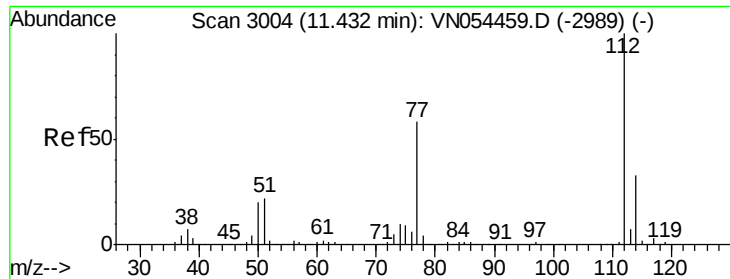
Tot Ion:117 Resp: 580141
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 33.0 25.8 38.6



#64
Tetrachloroethene
Concen: 45.899 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion:164 Resp: 220865
Ion Ratio Lower Upper
164 100
166 127.1 103.9 155.9
129 95.3 71.1 106.7
131 90.6 68.2 102.4

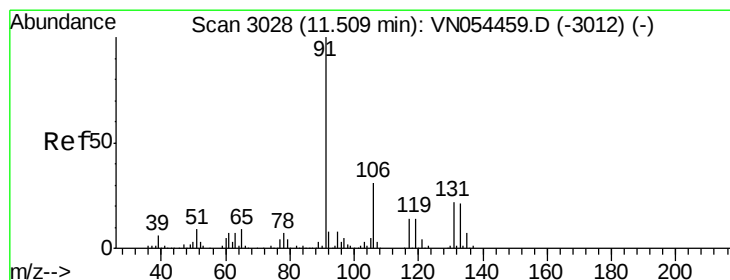
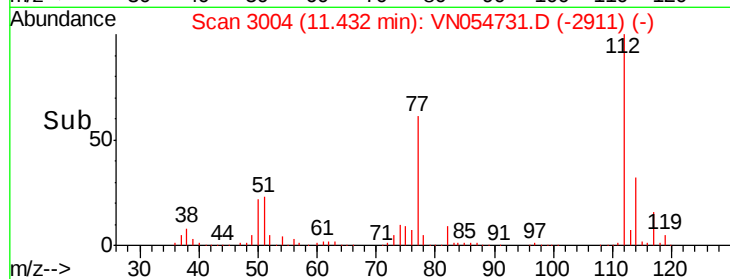
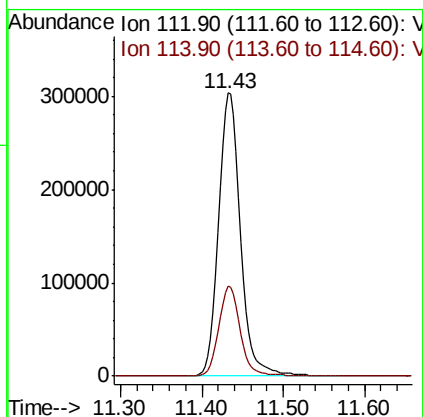
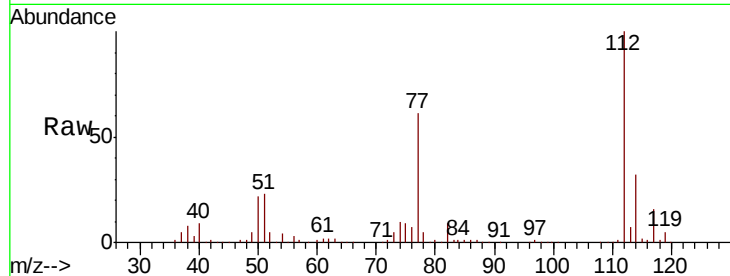




#65
Chlorobenzene
Concen: 49.027 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

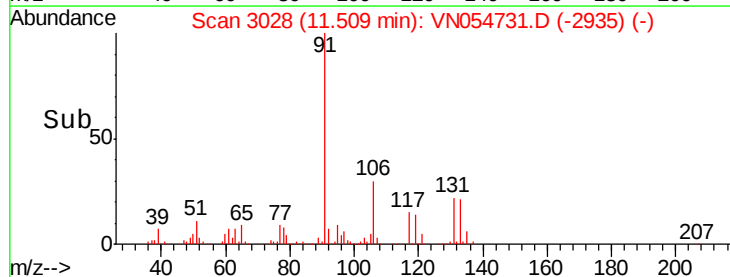
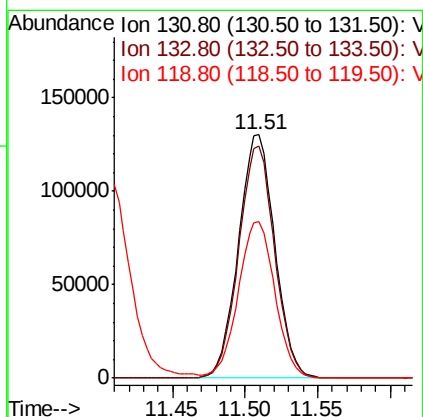
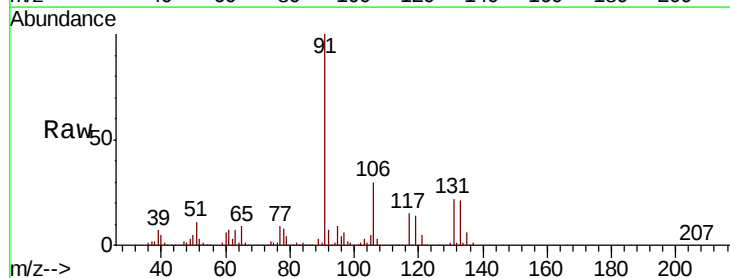
Instrument :
MSVOA_N
ClientSampleId :

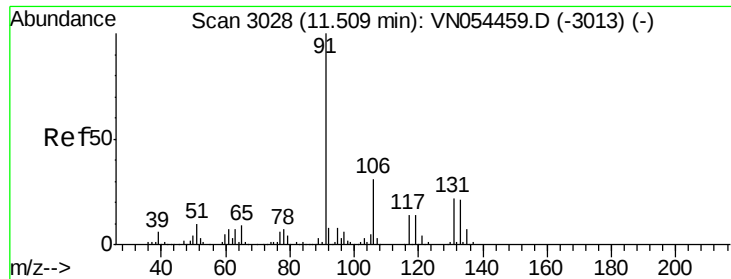
Tot Ion:112 Resp: 578483
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.569 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion:131 Resp: 226874
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 65.2 32.4 97.0

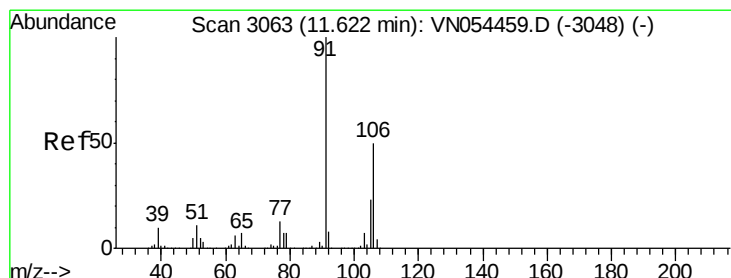
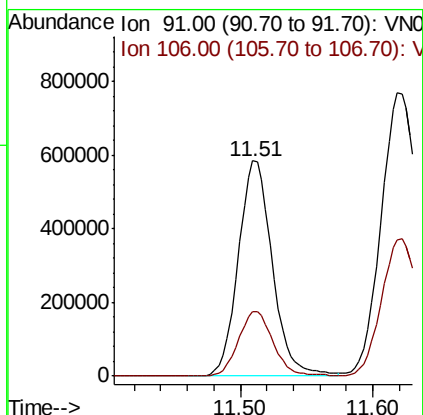
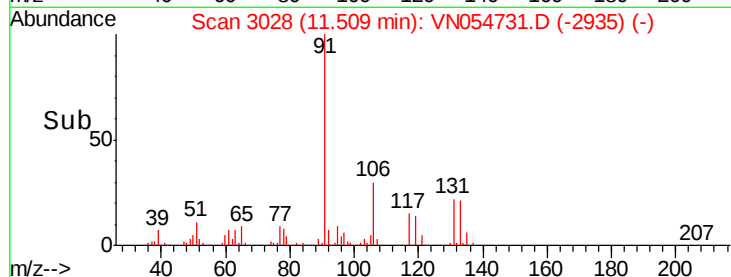
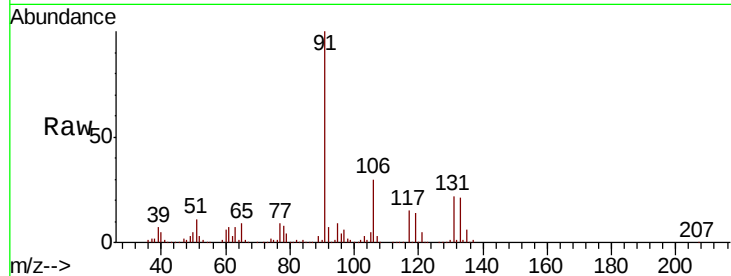




#67
Ethyl Benzene
Concen: 50.204 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

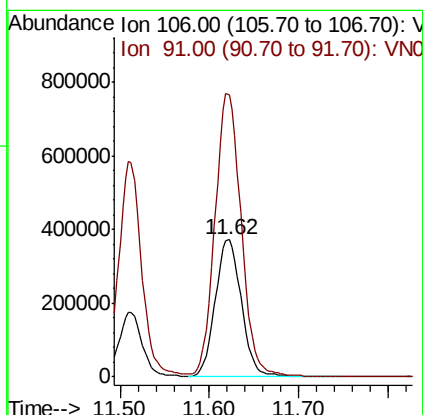
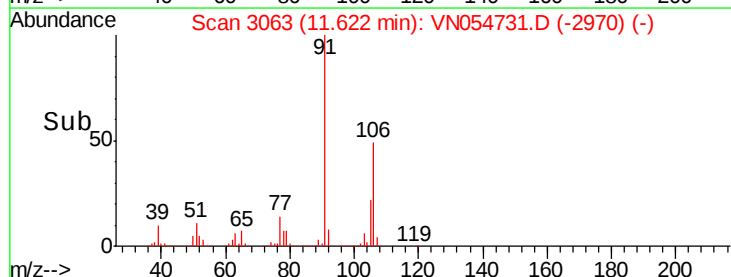
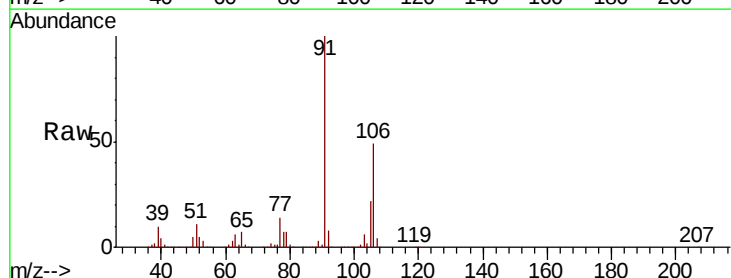
Instrument :
MSVOA_N
ClientSampleId :

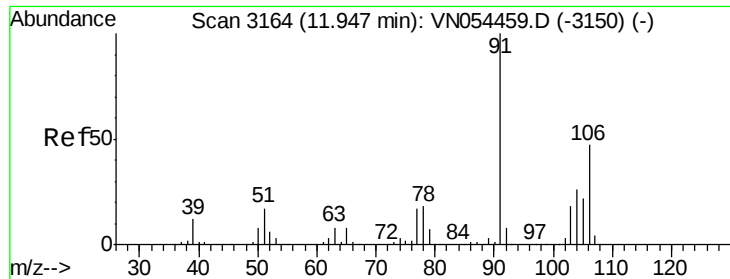
Tot Ion: 91 Resp: 1046396
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3



#68
m/p-Xylenes
Concen: 96.613 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 106 Resp: 762733
Ion Ratio Lower Upper
106 100
91 207.0 159.4 239.2

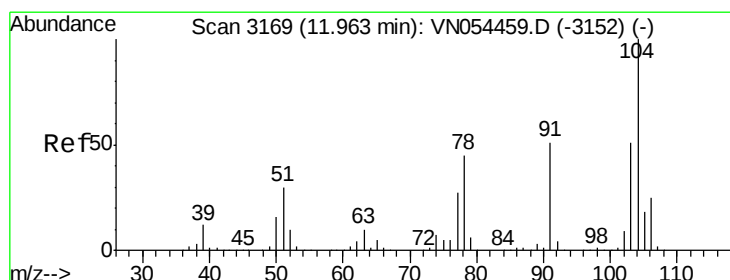
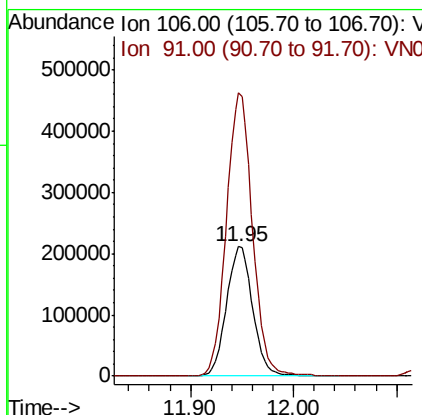
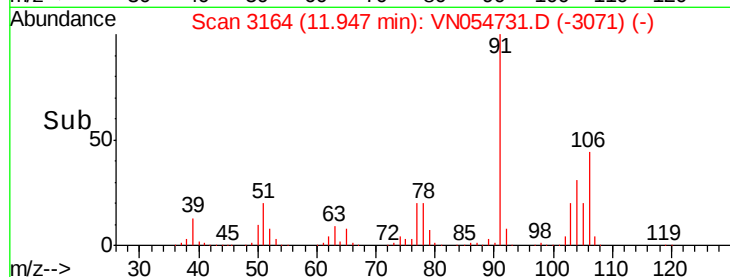
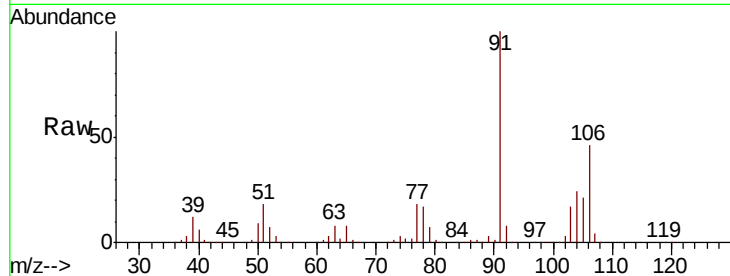




#69
o-Xylene
Concen: 48.660 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

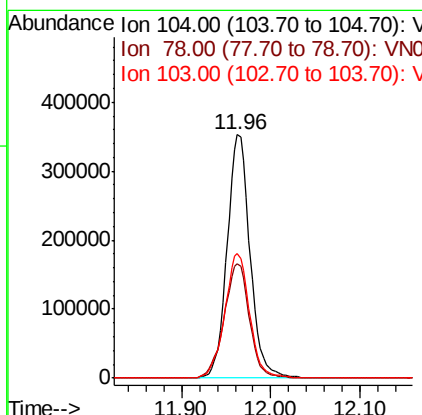
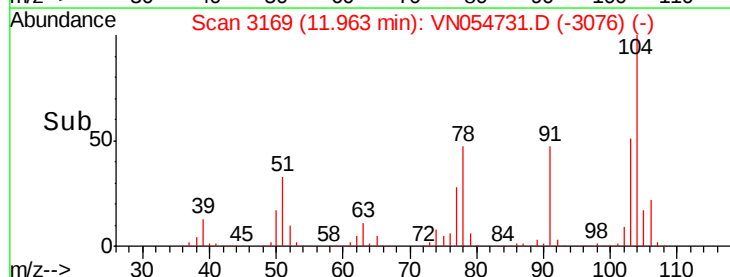
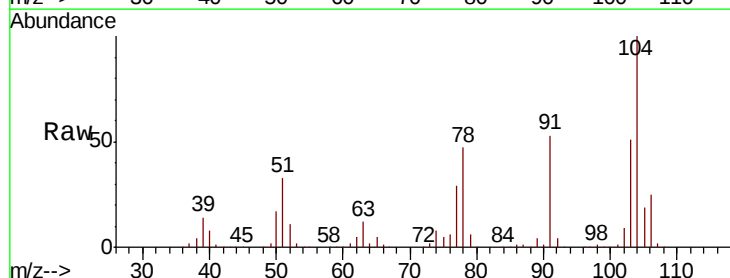
Instrument :
MSVOA_N
ClientSampled :

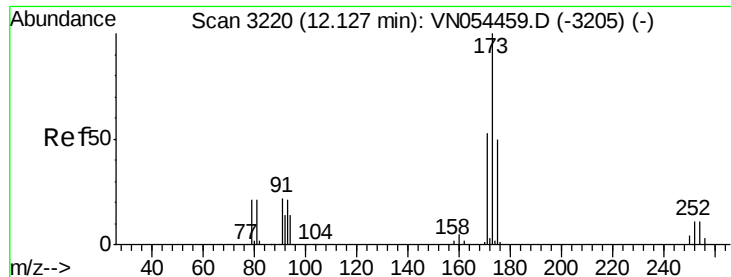
Tot Ion:106 Resp: 375172
Ion Ratio Lower Upper
106 100
91 217.3 105.7 317.1



#70
Styrene
Concen: 50.073 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion:104 Resp: 626943
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 47.430 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

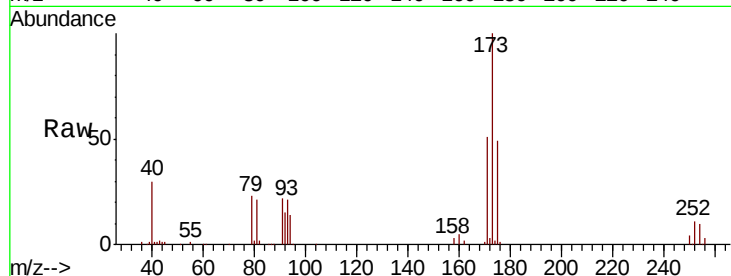
Tot Ion:173 Resp: 138139

Ion Ratio Lower Upper

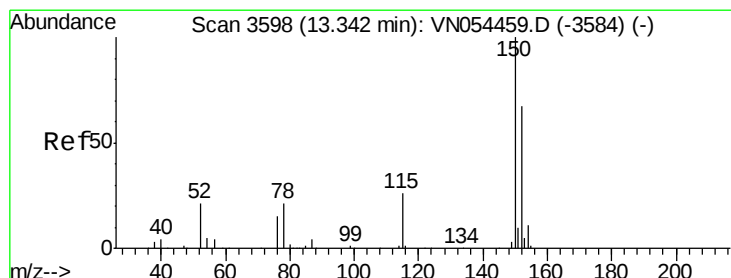
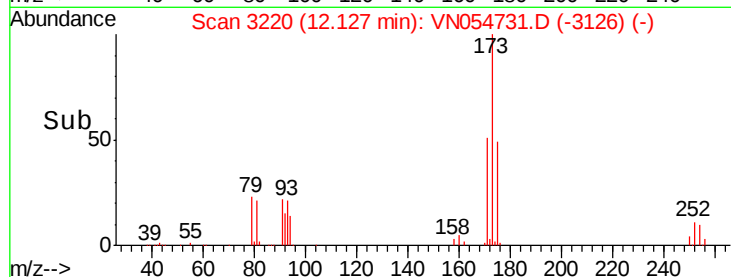
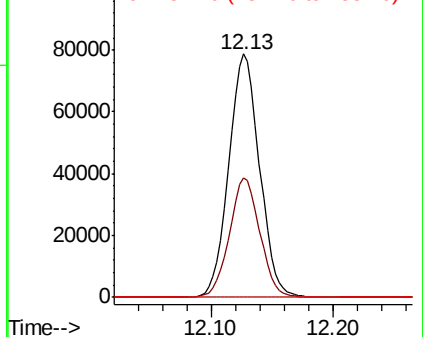
173 100

175 48.4 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: VN054731.D

Acq: 27 Mar 2019 19:14

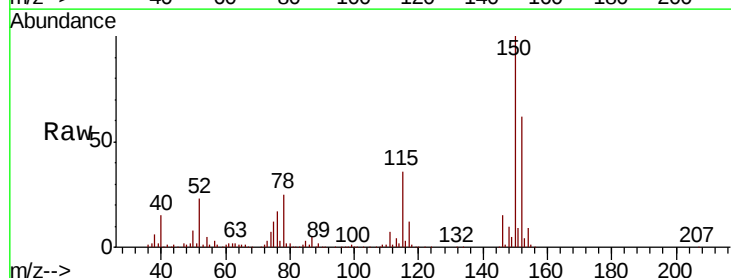
Tgt Ion:152 Resp: 253653

Ion Ratio Lower Upper

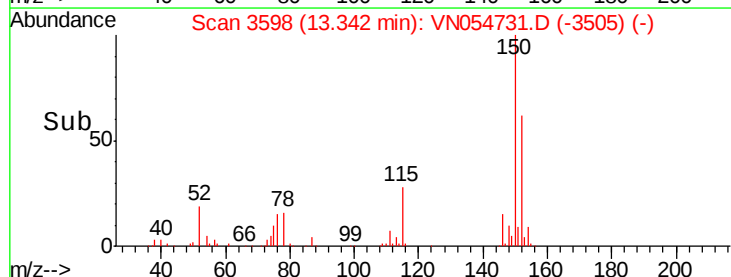
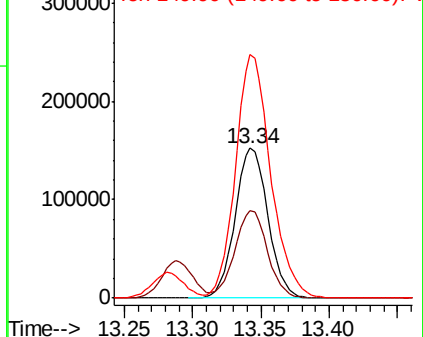
152 100

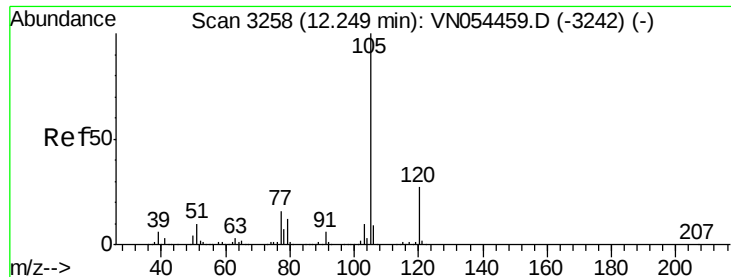
115 58.3 27.2 81.6

150 174.7 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.358 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

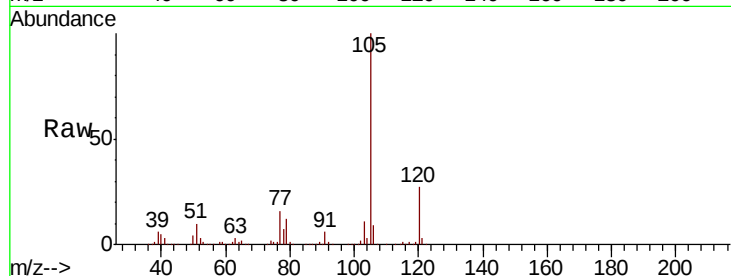
ClientSampleId :

Tot Ion:105 Resp: 988443

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

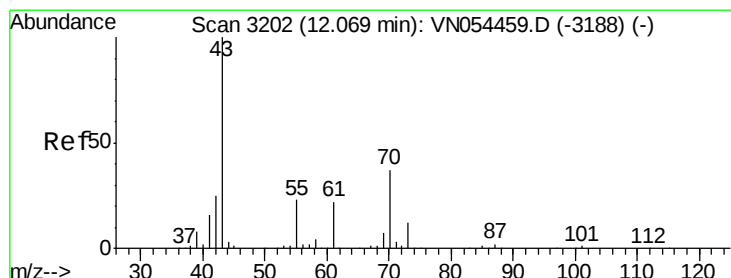
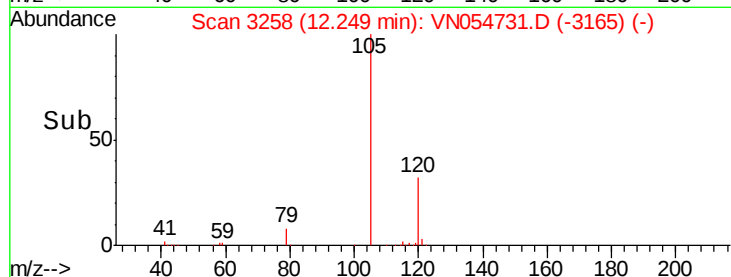
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 56.234 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Tgt Ion: 43 Resp: 330497

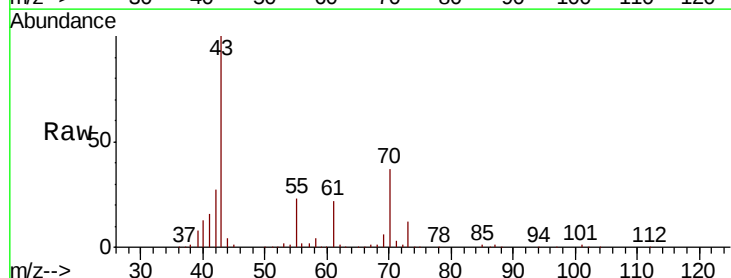
Ion Ratio Lower Upper

43 100

70 37.3 35.4 53.0

55 23.3 19.8 29.6

61 22.0 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

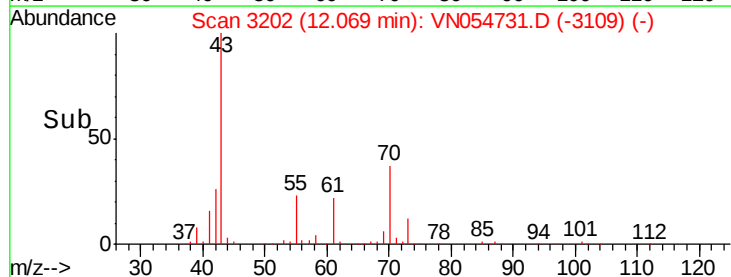
100000

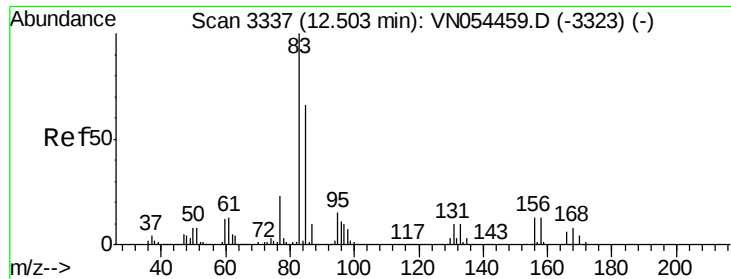
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 55.391 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

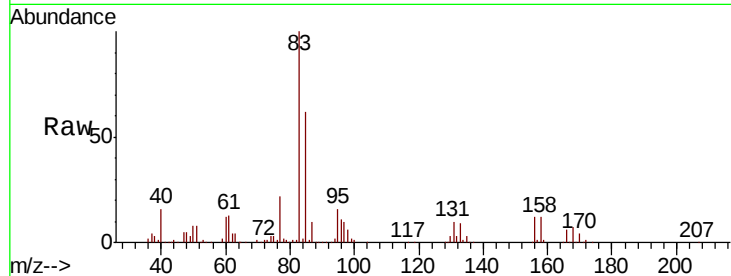
Tot Ion: 83 Resp: 258451

Ion Ratio Lower Upper

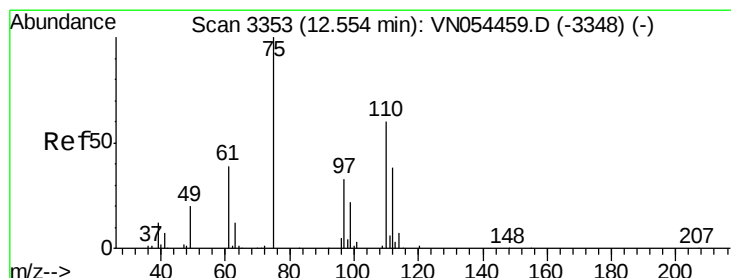
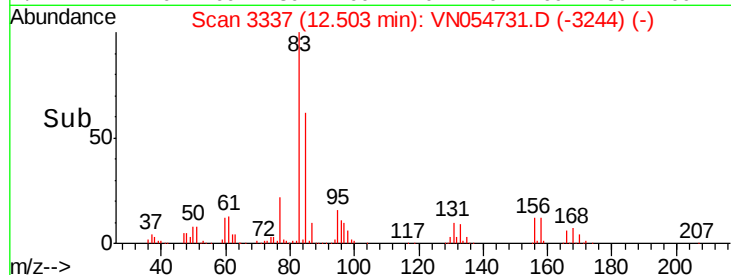
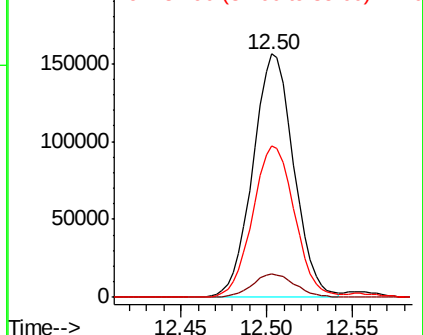
83 100

131 10.1 5.8 17.4

85 63.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 75.470 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054731.D

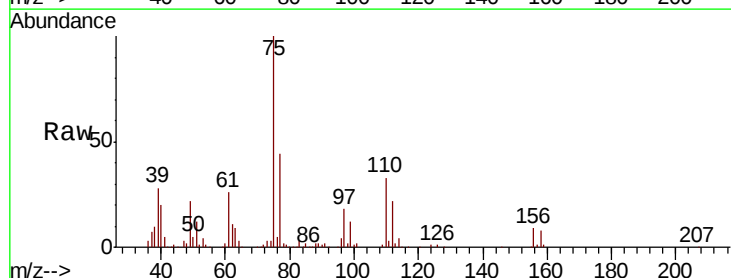
Acq: 27 Mar 2019 19:14

Tgt Ion: 75 Resp: 303773

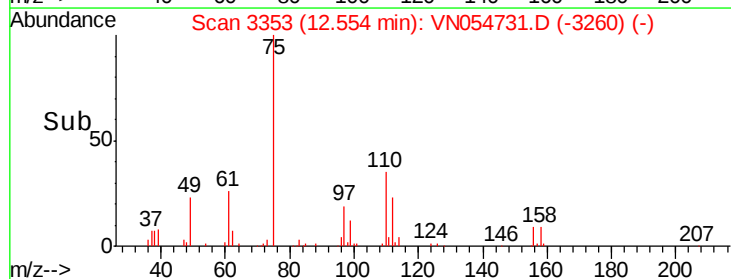
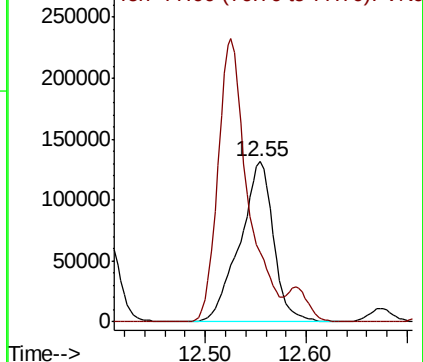
Ion Ratio Lower Upper

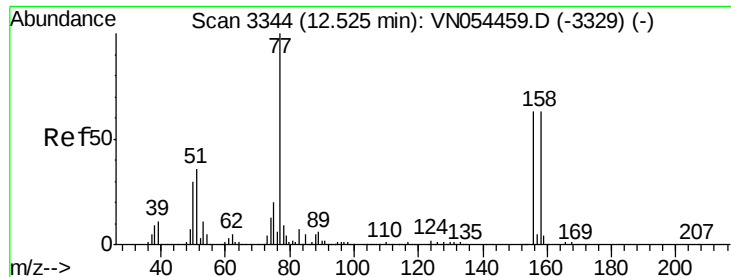
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 48.097 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampled :

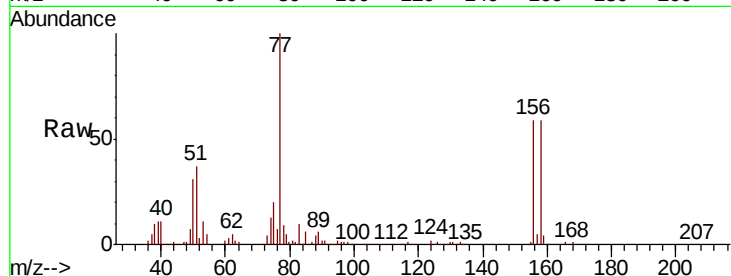
Tot Ion:156 Resp: 243821

Ion Ratio Lower Upper

156 100

77 197.7 81.5 244.4

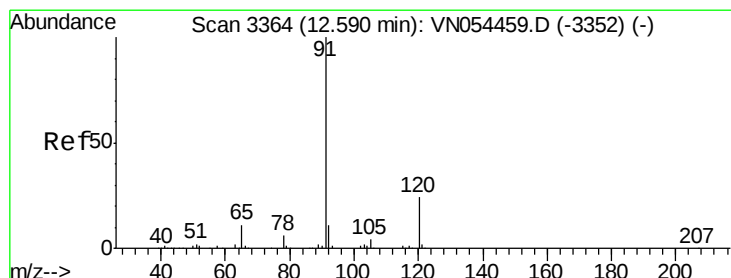
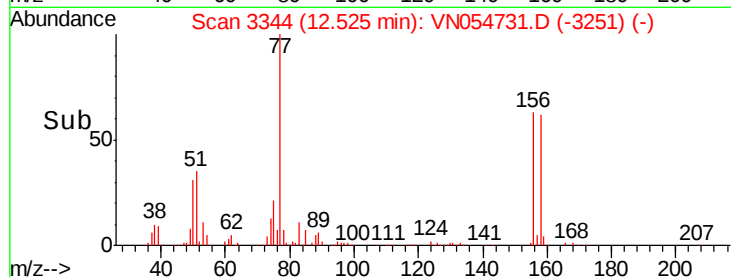
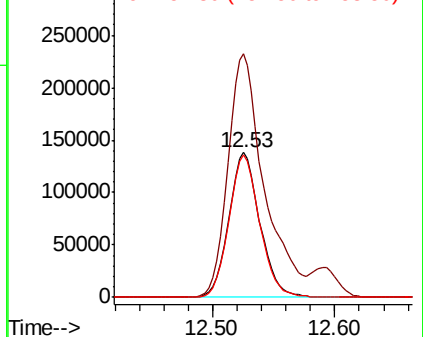
158 97.8 49.0 147.2



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: 49.507 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054731.D

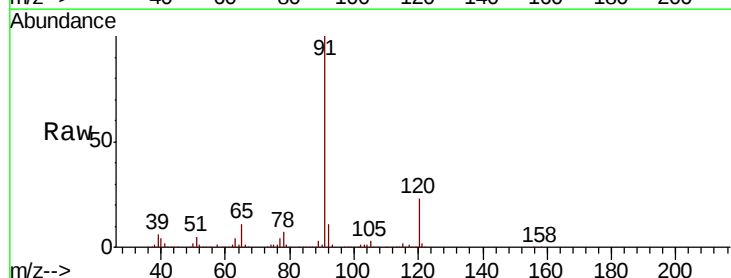
Acq: 27 Mar 2019 19:14

Tgt Ion: 91 Resp: 1097278

Ion Ratio Lower Upper

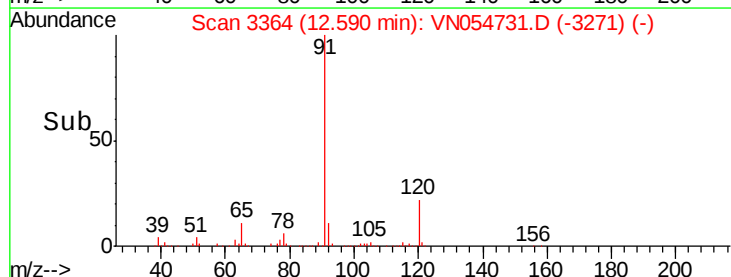
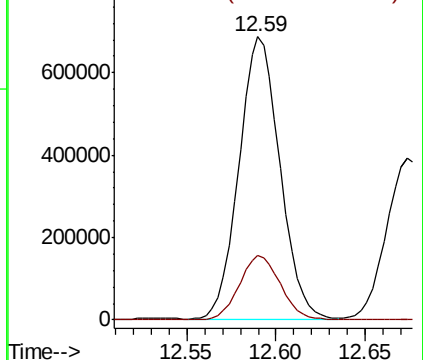
91 100

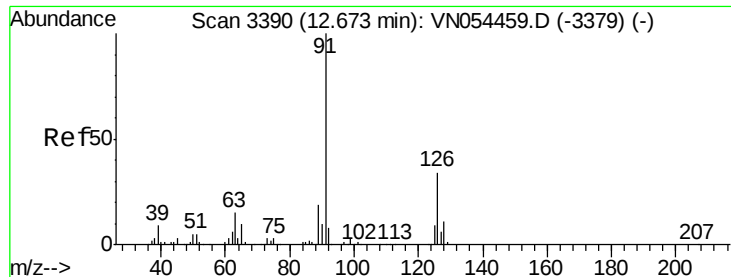
120 23.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.608 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

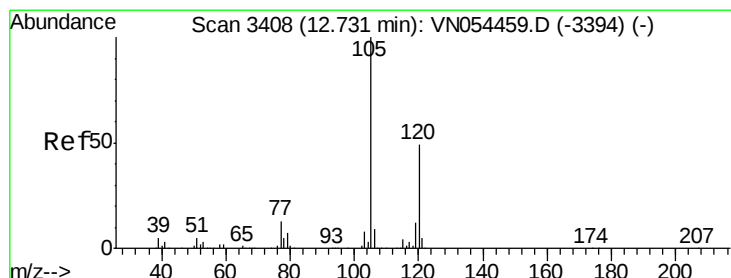
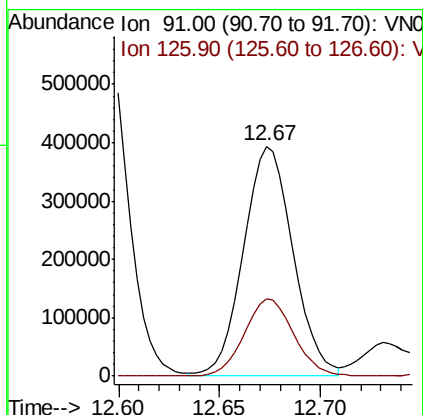
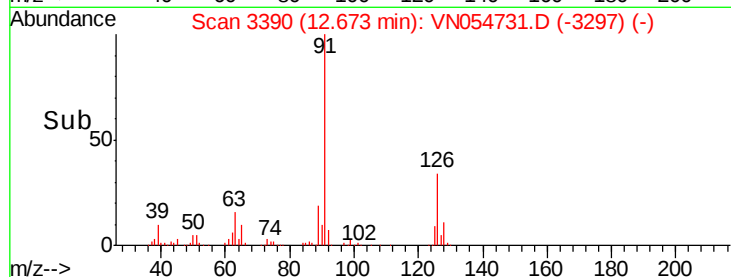
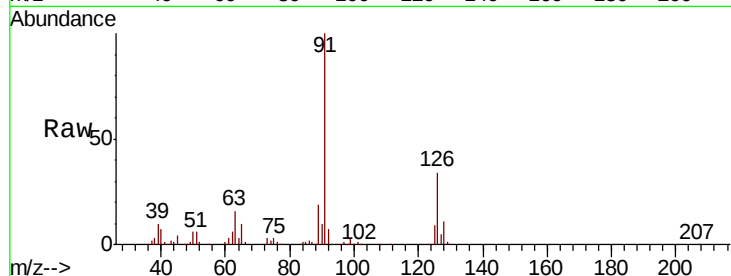
ClientSampled :

Tot Ion: 91 Resp: 671830

Ion Ratio Lower Upper

91 100

126 34.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 48.280 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054731.D

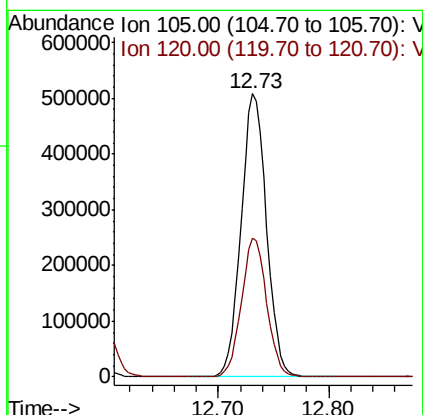
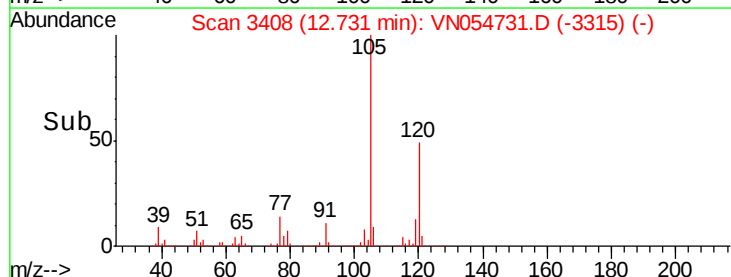
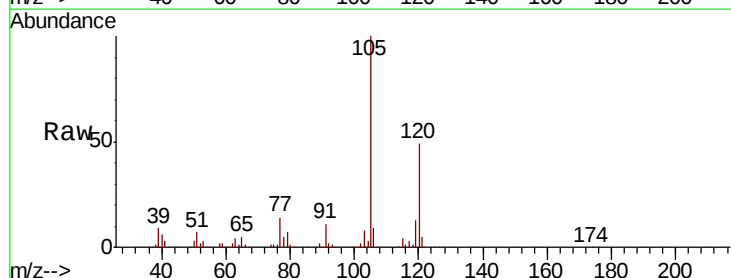
Acq: 27 Mar 2019 19:14

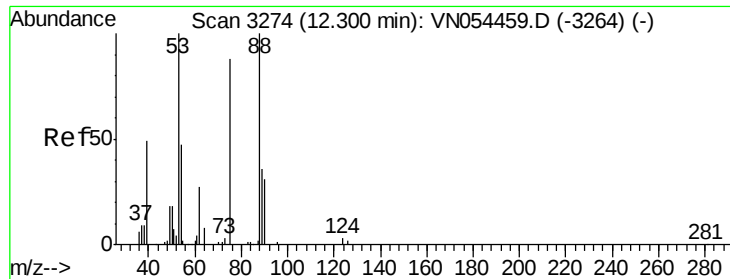
Tgt Ion:105 Resp: 808800

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0

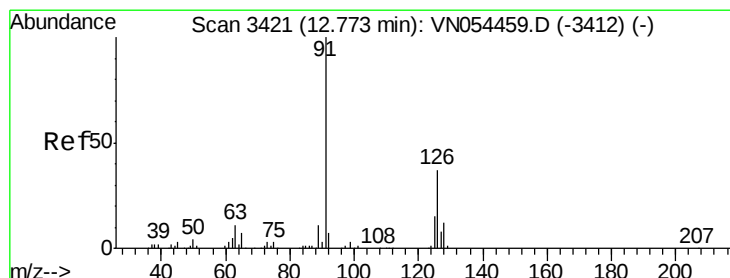
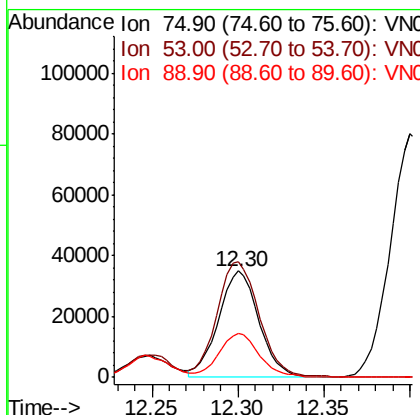
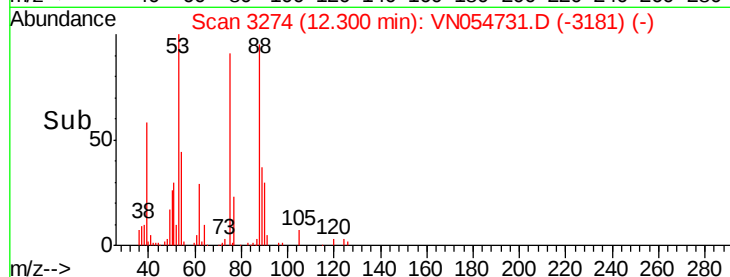
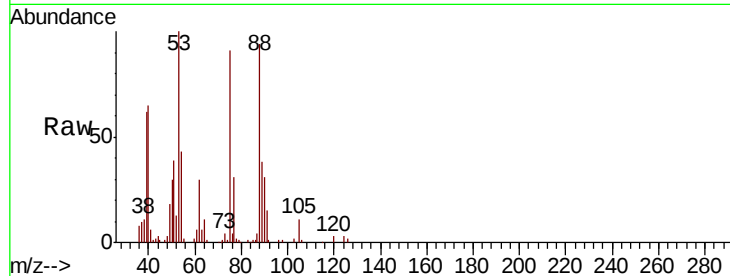




#81
trans-1,4-Dichloro-2-butene
Concen: 48.542 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

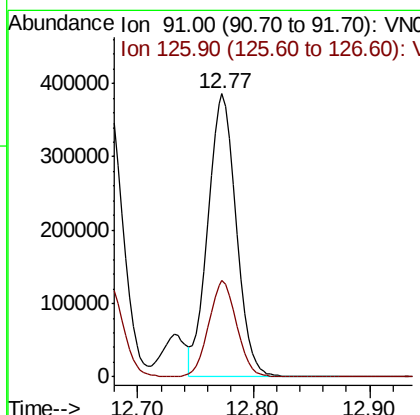
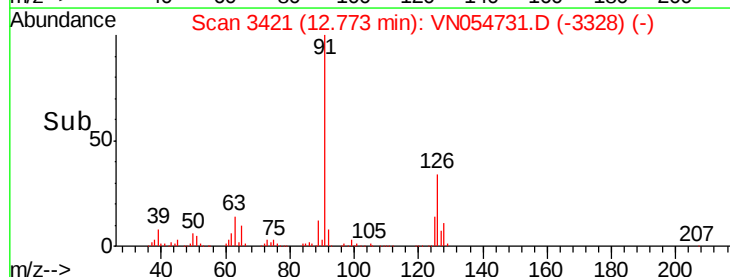
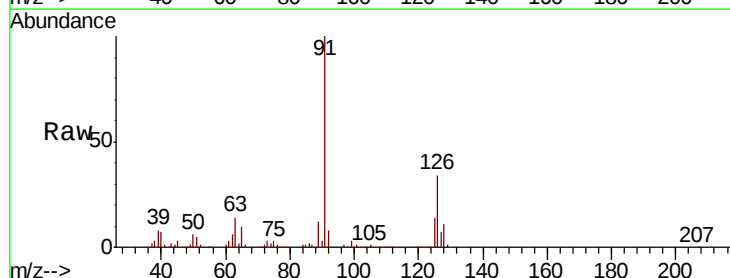
Instrument :
MSVOA_N
ClientSampled :

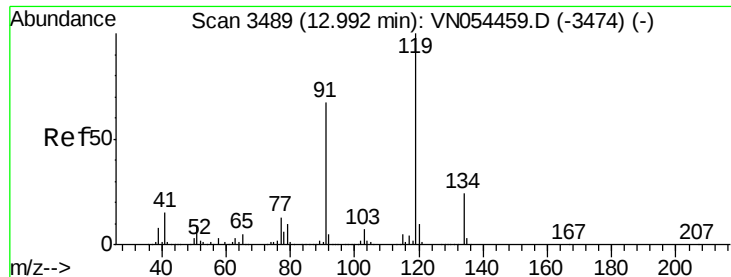
Tot Ion: 75 Resp: 56562
Ion Ratio Lower Upper
75 100
53 116.5 76.2 114.2#
89 42.4 39.2 58.8



#82
4-Chlorotoluene
Concen: 49.204 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 91 Resp: 659206
Ion Ratio Lower Upper
91 100
126 33.7 18.1 54.1

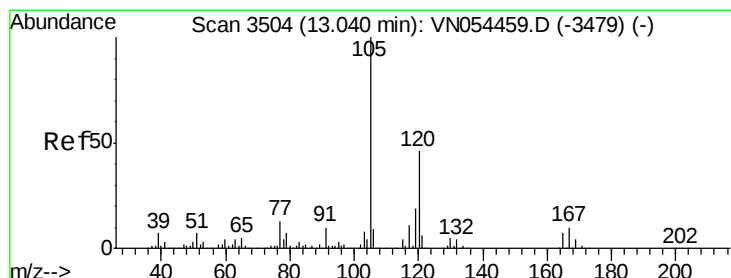
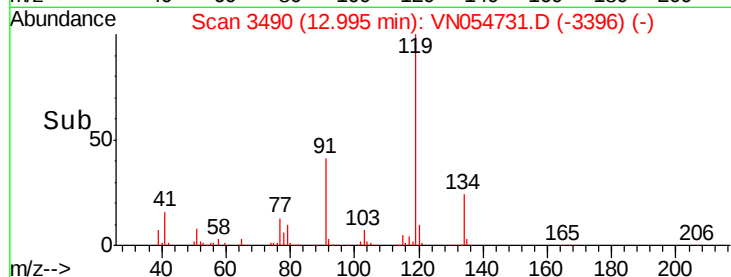
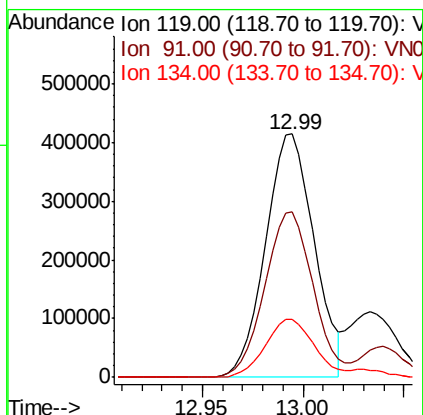
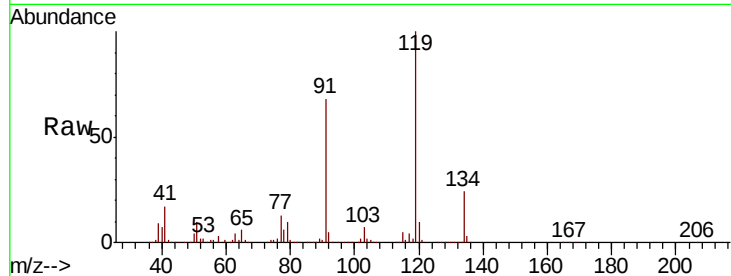




#83
 tert-Butylbenzene
 Concen: 47.600 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

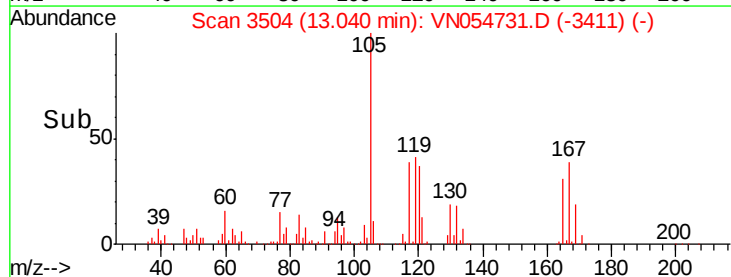
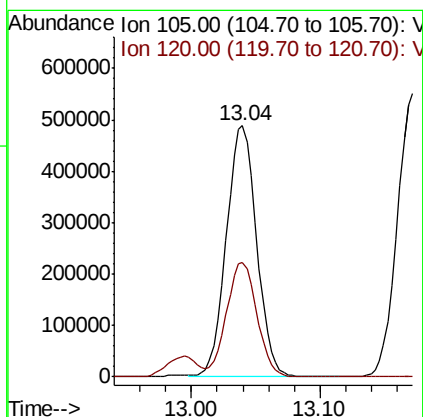
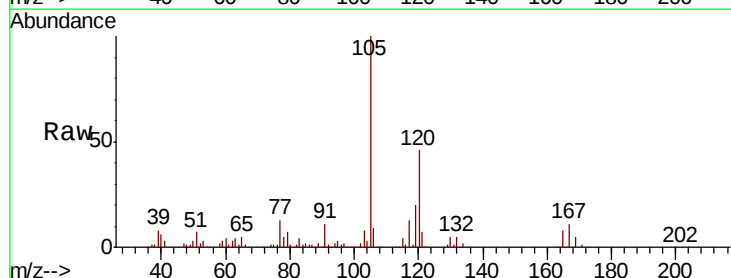
Instrument :
 MSVOA_N
 ClientSampled :

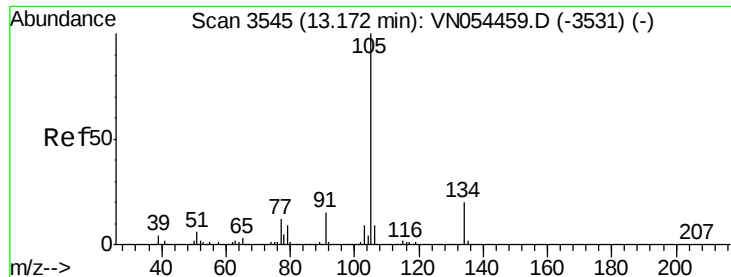
Tot Ion:119 Resp: 694107
 Ion Ratio Lower Upper
 119 100
 91 67.4 30.9 92.8
 134 24.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.342 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion:105 Resp: 794633
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 48.446 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

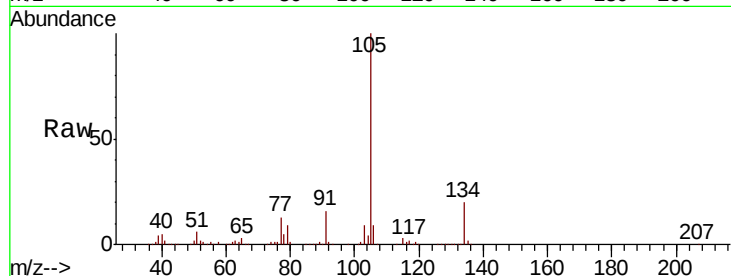
ClientSampled :

Tot Ion:105 Resp: 880642

Ion Ratio Lower Upper

105 100

134 20.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

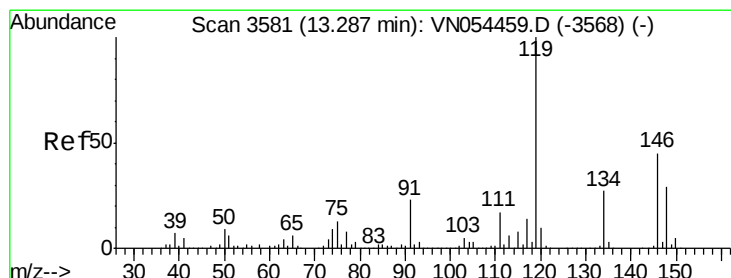
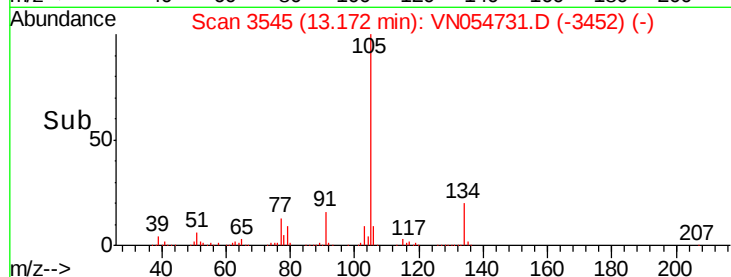
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.810 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

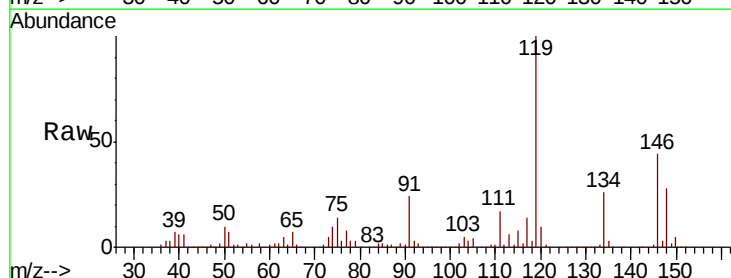
Tgt Ion:119 Resp: 777519

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 24.0 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

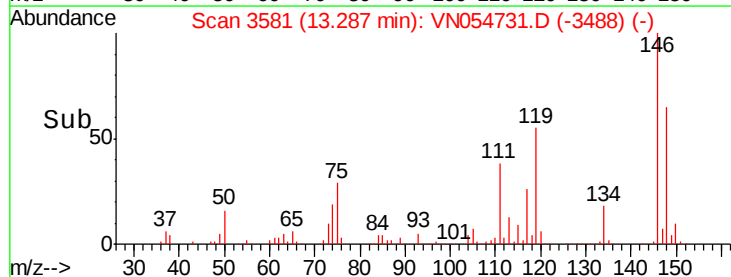
600000

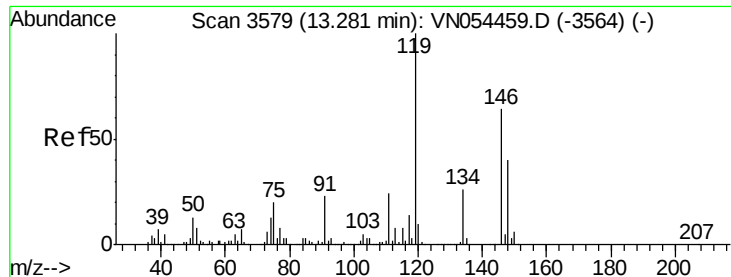
400000

200000

0

Time-->

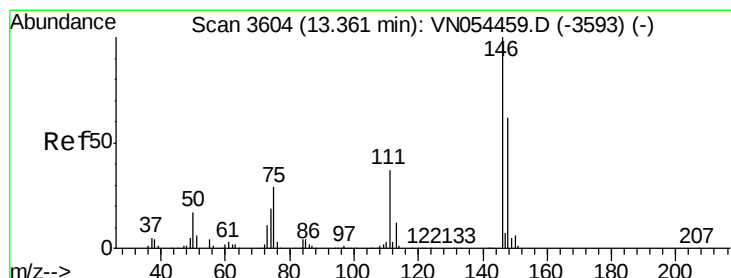
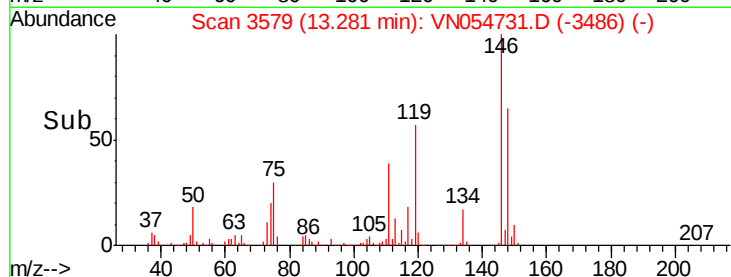
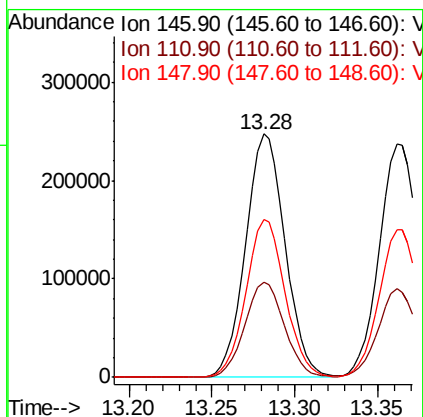
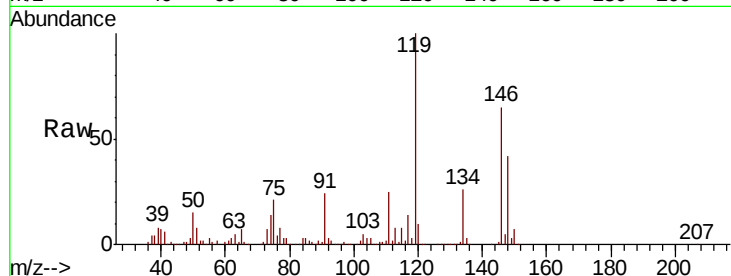




#87
 1,3-Dichlorobenzene
 Concen: 48.747 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

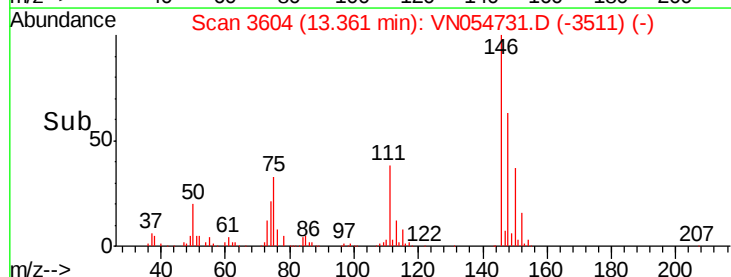
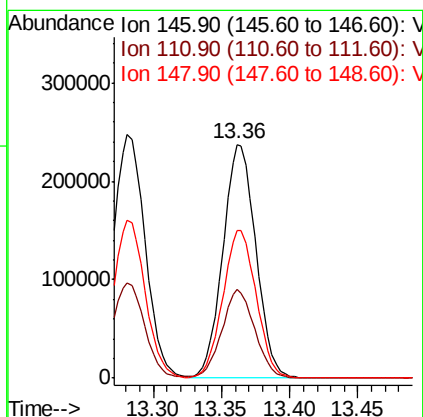
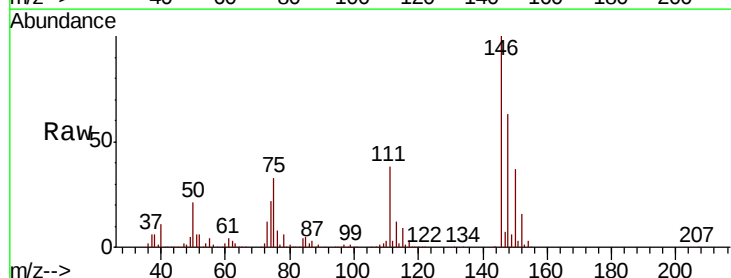
Instrument :
 MSVOA_N
 ClientSampleId :

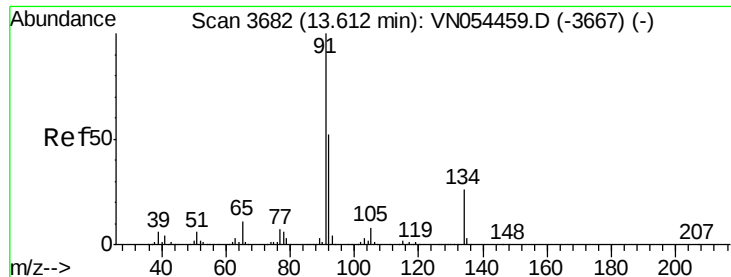
Tot Ion:146 Resp: 409516
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.8 56.3
 148 64.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.749 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion:146 Resp: 398455
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.1
 148 64.1 32.0 96.0

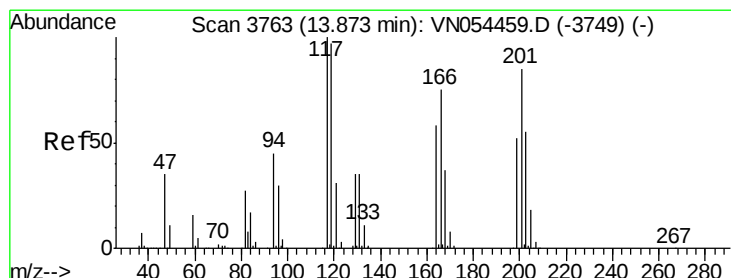
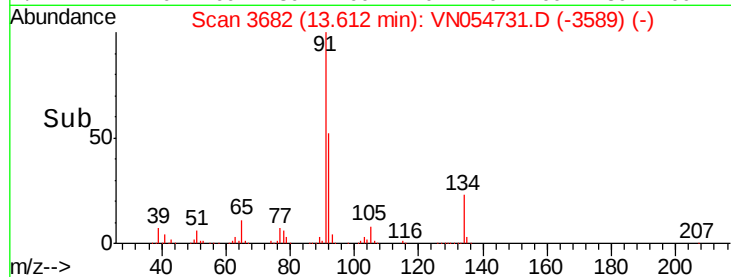
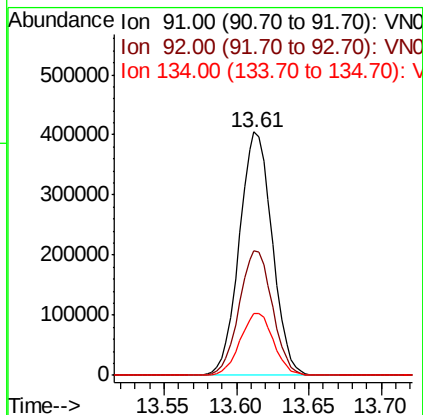
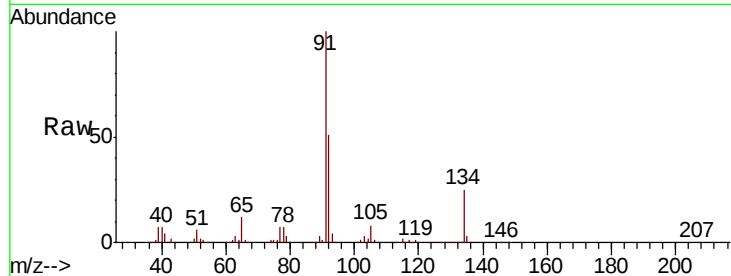




#89
n-Butylbenzene
Concen: 50.149 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

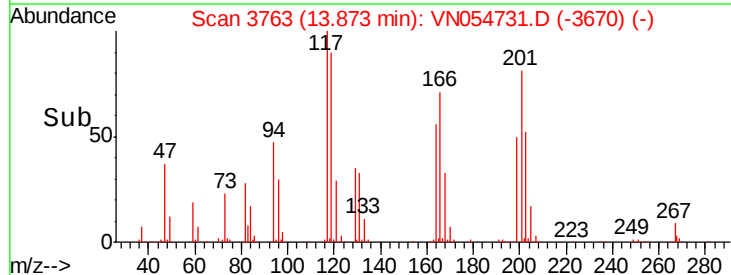
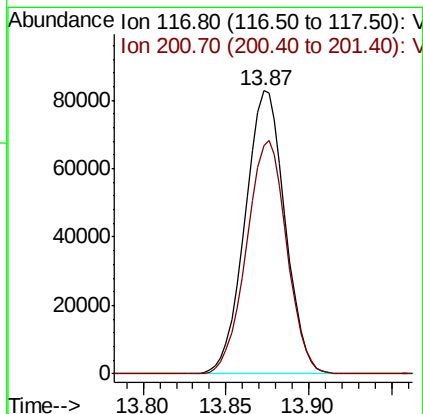
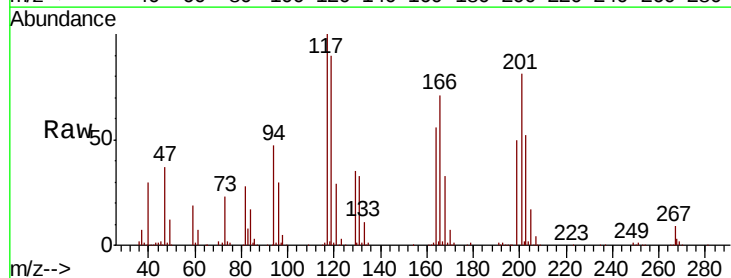
Instrument :
MSVOA_N
ClientSampled :

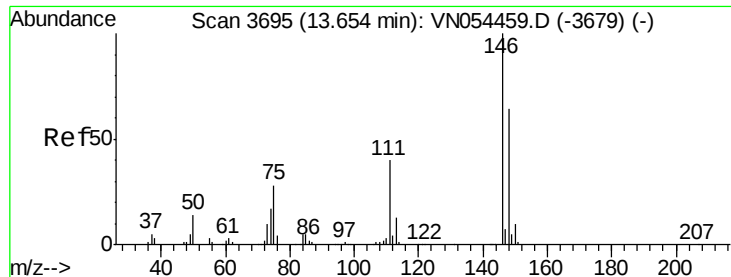
Tot Ion: 91 Resp: 637706
Ion Ratio Lower Upper
91 100
92 51.7 26.2 78.6
134 25.7 14.3 42.9



#90
Hexachloroethane
Concen: 54.855 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054731.D
Acq: 27 Mar 2019 19:14

Tgt Ion: 117 Resp: 138473
Ion Ratio Lower Upper
117 100
201 83.0 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 49.791 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampled :

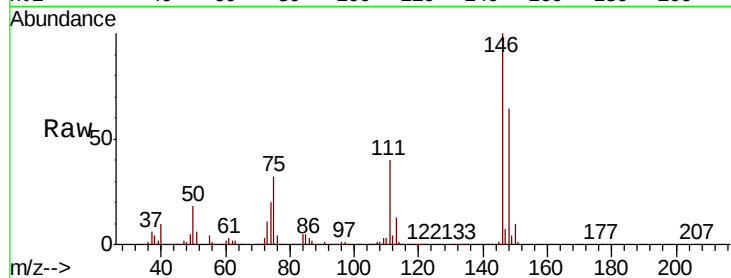
Tot Ion:146 Resp: 405141

Ion Ratio Lower Upper

146 100

111 40.6 19.1 57.3

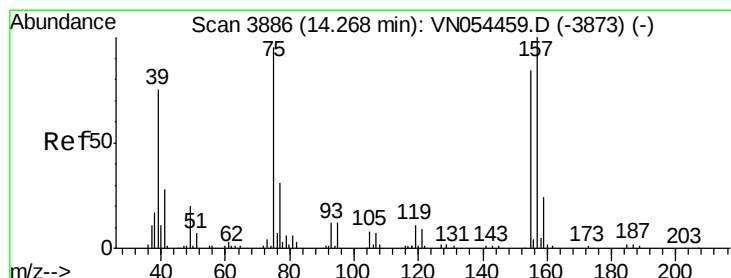
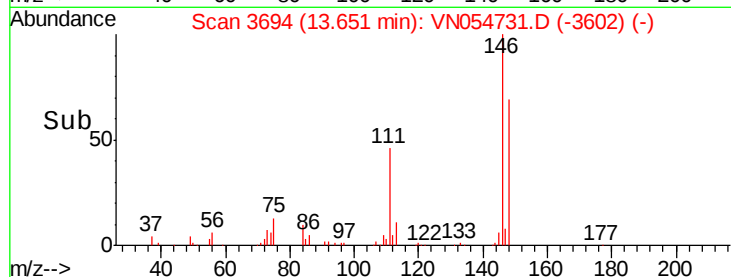
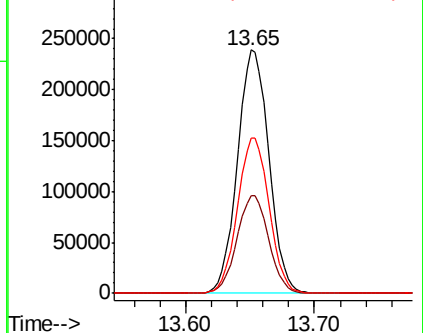
148 64.2 32.4 97.0



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: 53.808 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

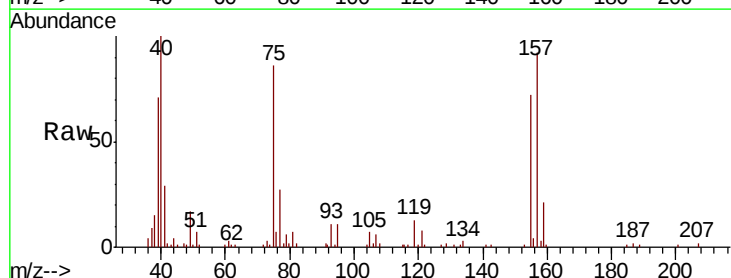
Tgt Ion: 75 Resp: 36825

Ion Ratio Lower Upper

75 100

155 86.6 50.1 150.3

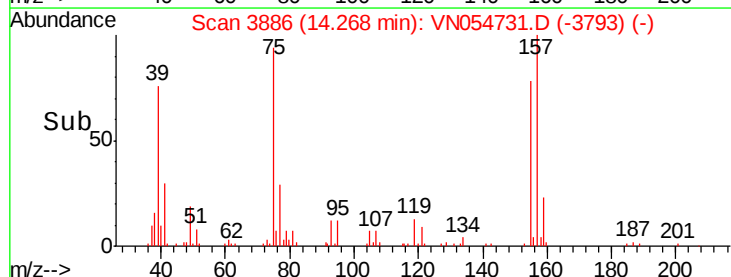
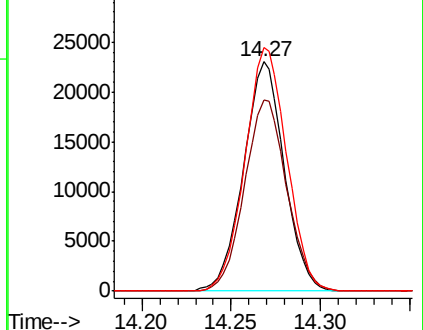
157 108.9 63.1 189.3

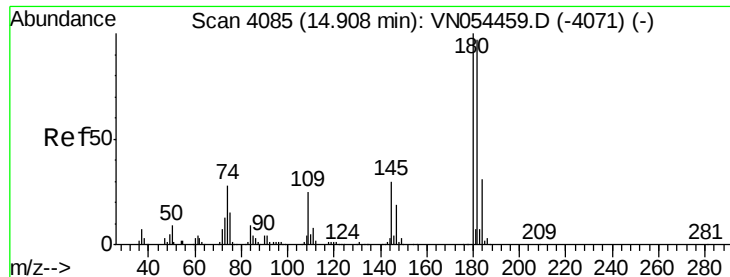


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

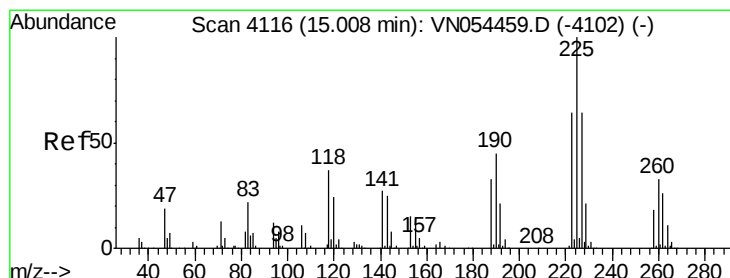
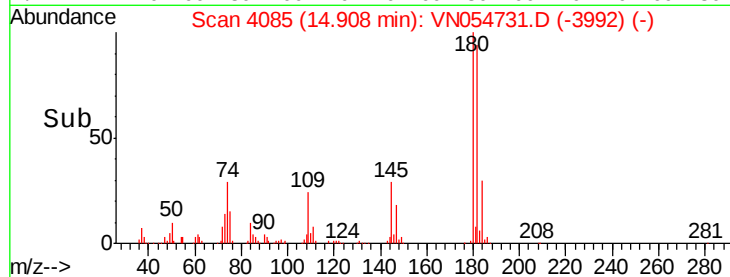
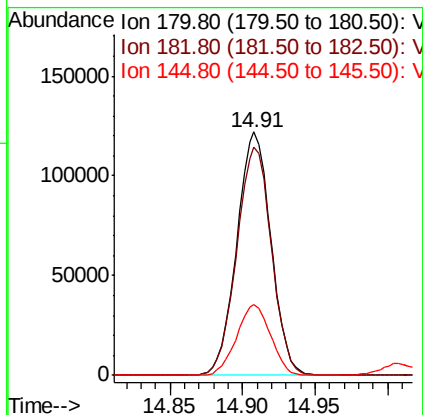
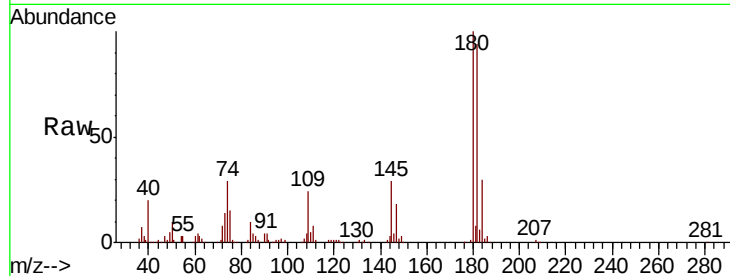




#93
 1,2,4-Trichlorobenzene
 Concen: 49.137 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

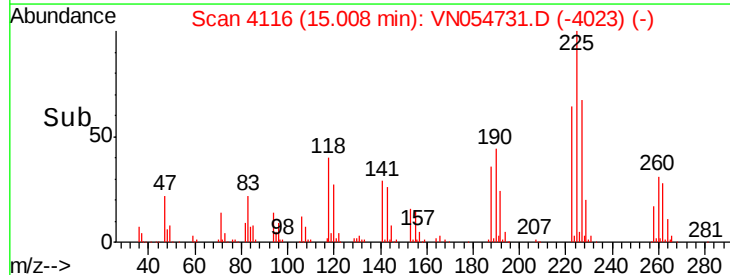
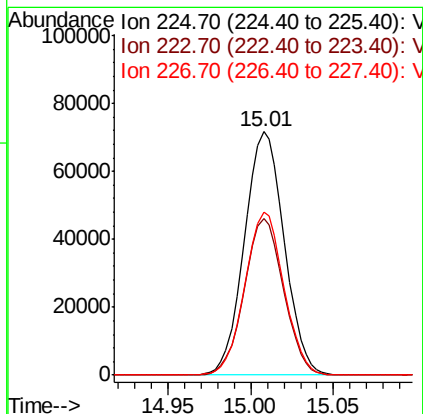
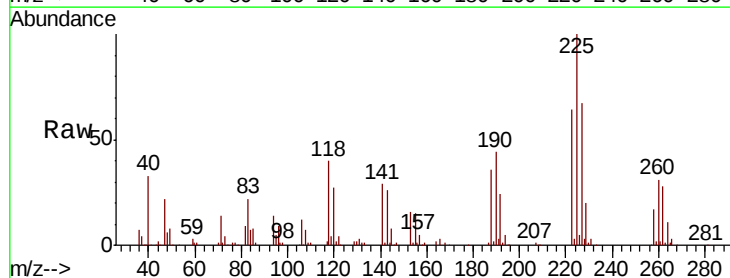
Instrument :
 MSVOA_N
 ClientSampleId :

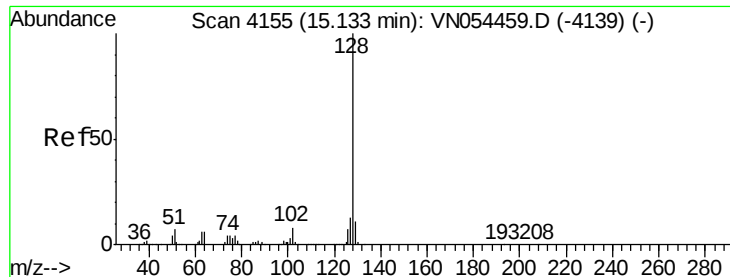
Tot Ion:180 Resp: 199314
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.0 144.2
 145 29.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 52.542 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054731.D
 Acq: 27 Mar 2019 19:14

Tgt Ion:225 Resp: 119457
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.5
 227 65.8 31.9 95.9





#95

Naphthalene

Concen: 49.727 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

Instrument :

MSVOA_N

ClientSampleId :

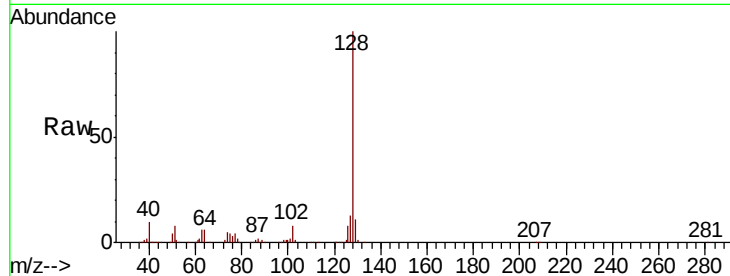
Tot Ion:128 Resp: 449914

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

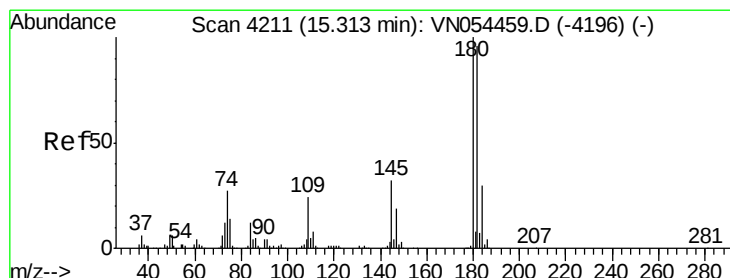
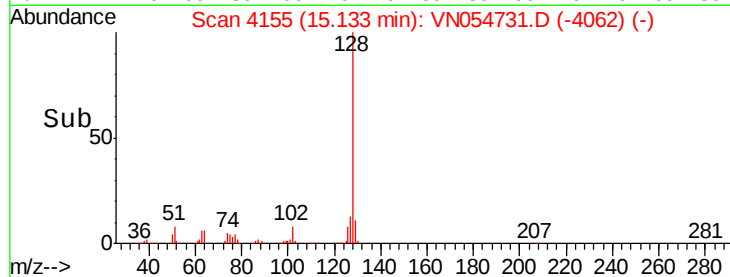
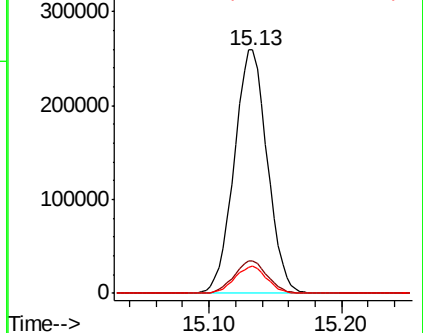
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.199 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054731.D

Acq: 27 Mar 2019 19:14

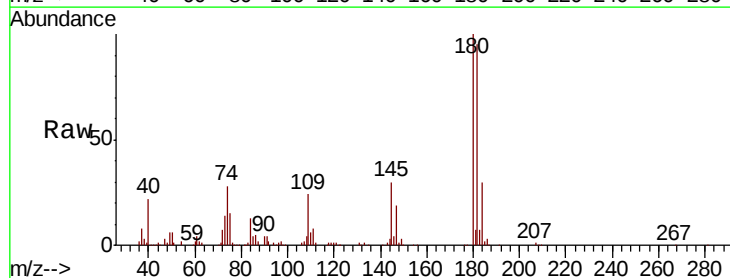
Tgt Ion:180 Resp: 198621

Ion Ratio Lower Upper

180 100

182 95.8 47.5 142.6

145 30.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

