

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055600.D
 Acq On : 17 May 2019 10:16
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 17 23:22:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:16:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	319049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	485563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	75711	22.91	ug/l	0.00
Spiked Amount						
			Recovery	=	45.82%	
35) Dibromofluoromethane	7.59	113	66099	20.73	ug/l	0.00
Spiked Amount						
			Recovery	=	41.46%	
50) Toluene-d8	10.09	98	248162	21.72	ug/l	0.00
Spiked Amount						
			Recovery	=	43.44%	
62) 4-Bromofluorobenzene	12.40	95	83444	22.07	ug/l	0.00
Spiked Amount						
			Recovery	=	44.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	47754	17.742	ug/l	97
3) Chloromethane	2.06	50	63325	18.828	ug/l	100
4) Vinyl Chloride	2.18	62	69576	19.111	ug/l	99
5) Bromomethane	2.57	94	45213	17.148	ug/l	98
6) Chloroethane	2.71	64	39232	16.857	ug/l	98
7) Trichlorofluoromethane	3.03	101	92104	17.895	ug/l	98
8) Diethyl Ether	3.41	74	37362	20.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	55981	17.906	ug/l	99
10) Methyl Iodide	3.96	142	79239	17.418	ug/l	99
11) Tert butyl alcohol	4.77	59	66714	224.627	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	58308	19.792	ug/l	99
13) Acrolein	3.61	56	32208	192.938	ug/l	97
14) Allyl chloride	4.33	41	96667	21.391	ug/l	99
15) Acrylonitrile	4.99	53	147459	134.799	ug/l	100
16) Acetone	3.81	43	146358	147.813	ug/l	98
17) Carbon Disulfide	4.06	76	160585	17.893	ug/l	99
18) Methyl Acetate	4.32	43	58747	25.627	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	195365	25.078	ug/l	99
20) Methylene Chloride	4.55	84	64341	19.280	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	62167	20.113	ug/l	98
22) Diisopropyl ether	5.95	45	185609	22.079	ug/l	95
23) Vinyl Acetate	5.90	43	806361	128.700	ug/l	100
24) 1,1-Dichloroethane	5.85	63	111365	19.797	ug/l	98
25) 2-Butanone	6.83	43	200633	154.476	ug/l	100
26) 2,2-Dichloropropane	6.82	77	97019	22.279	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	72360	20.814	ug/l	99
28) Bromochloromethane	7.20	49	50196	20.436	ug/l	100
29) Tetrahydrofuran	7.21	42	131167	156.745	ug/l	99
30) Chloroform	7.37	83	112561	19.919	ug/l	99
31) Cyclohexane	7.66	56	104807	17.918	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	99877	20.531	ug/l	99
36) 1,1-Dichloropropene	7.80	75	84988	19.150	ug/l	100
37) Ethyl Acetate	6.93	43	80574	29.696	ug/l	99
38) Carbon Tetrachloride	7.78	117	90521	18.992	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101568	19.966	ug/l	97
40) Benzene	8.04	78	257571	19.755	ug/l	99
41) Methacrylonitrile	7.21	41	117330	84.596	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	82665	20.804	ug/l	99
43) Isopropyl Acetate	8.16	43	132648	25.838	ug/l	99
44) Trichloroethene	8.84	130	71767	19.637	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68327	20.409	ug/l	97
46) Dibromomethane	9.21	93	44008	21.526	ug/l	99
47) Bromodichloromethane	9.40	83	90406	21.070	ug/l	99
48) Methyl methacrylate	9.20	41	61230	27.705	ug/l	98
49) 1,4-Dioxane	9.20	88	24662	688.411	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	394944	161.370	ug/l	100
52) Toluene	10.16	92	156361	20.288	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98451	23.257	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	109854	22.500	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	64880	22.545	ug/l	99
56) Ethyl methacrylate	10.43	69	99674	28.966	ug/l	99
57) 1,3-Dichloropropane	10.71	76	104913	22.010	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	217051	143.234	ug/l	100
59) 2-Hexanone	10.75	43	275063	163.530	ug/l	99
60) Dibromochloromethane	10.90	129	74021	22.194	ug/l	100
61) 1,2-Dibromoethane	11.01	107	65747	22.938	ug/l	100
64) Tetrachloroethene	10.63	164	65875	18.073	ug/l	96
65) Chlorobenzene	11.43	112	165614	19.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67834	21.303	ug/l	99
67) Ethyl Benzene	11.51	91	295927	20.987	ug/l	99
68) m/p-Xylenes	11.62	106	223114	41.134	ug/l	99
69) o-Xylene	11.95	106	111129	21.238	ug/l	97
70) Styrene	11.96	104	182826	22.057	ug/l	100
71) Bromoform	12.13	173	57556	24.476	ug/l #	100
73) Isopropylbenzene	12.25	105	292424	22.626	ug/l	100
74) N-amyl acetate	12.07	43	103325	31.316	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	88820	27.521	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	109186	38.953	ug/l #	100
77) Bromobenzene	12.53	156	74756	21.642	ug/l	99
78) n-propylbenzene	12.59	91	316779	22.028	ug/l	100
79) 2-Chlorotoluene	12.67	91	190749	21.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	244061	22.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29141	32.120	ug/l	99
82) 4-Chlorotoluene	12.77	91	184871	21.379	ug/l	100
83) tert-Butylbenzene	12.99	119	213909	22.327	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	241555	22.570	ug/l	99
85) sec-Butylbenzene	13.17	105	272071	21.210	ug/l	100
86) p-Isopropyltoluene	13.29	119	247617	22.090	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	123036	20.480	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	118708	19.654	ug/l	99
89) n-Butylbenzene	13.61	91	200056	21.766	ug/l	100
90) Hexachloroethane	13.87	117	48305	22.130	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	123682	20.943	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17327	34.030	ug/l	99

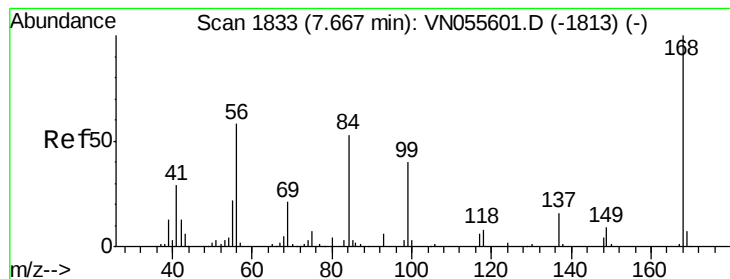
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65870	21.341	ug/l	100
94) Hexachlorobutadiene	15.01	225	43868	17.886	ug/l	99
95) Naphthalene	15.13	128	177436	28.599	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69599	23.129	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

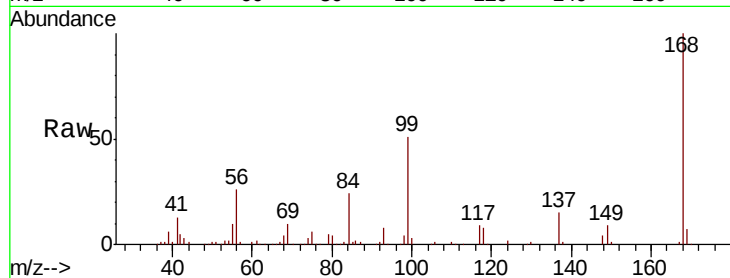
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 319049

Ion Ratio Lower Upper

168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

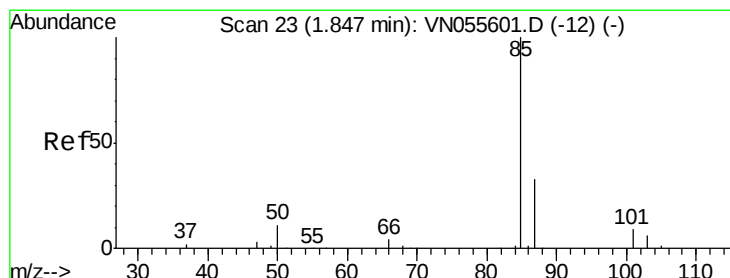
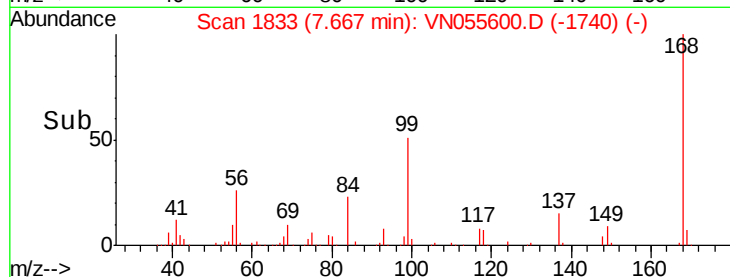
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 17.742 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055600.D

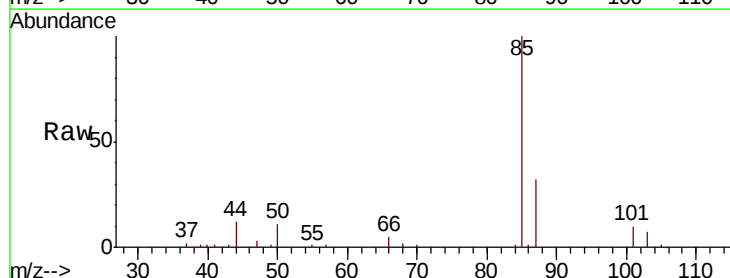
Acq: 17 May 2019 10:16

Tgt Ion: 85 Resp: 47754

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

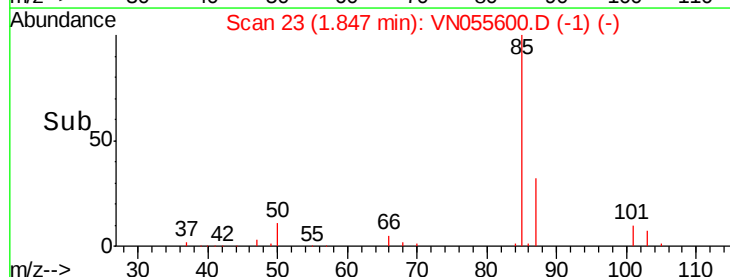
20000

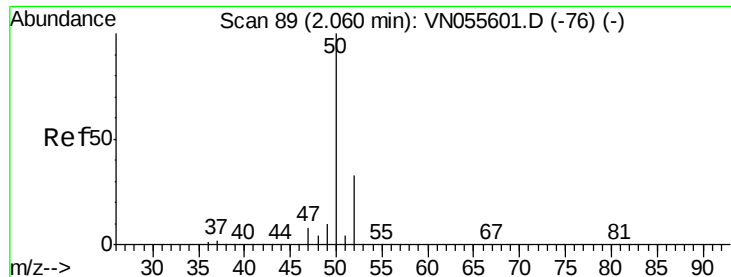
10000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.828 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

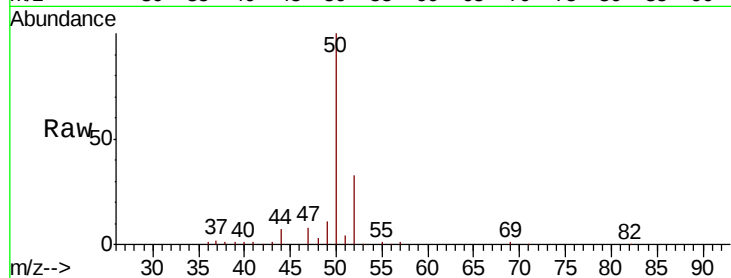
ClientSampleId :

Tot Ion: 50 Resp: 63325

Ion Ratio Lower Upper

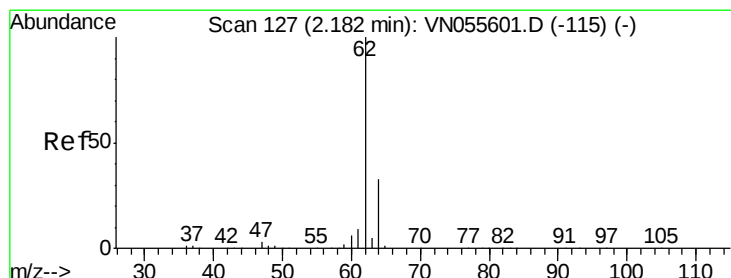
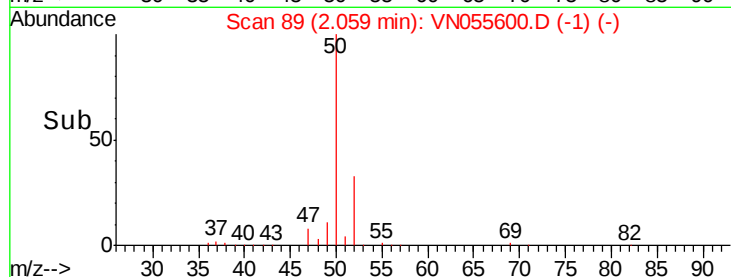
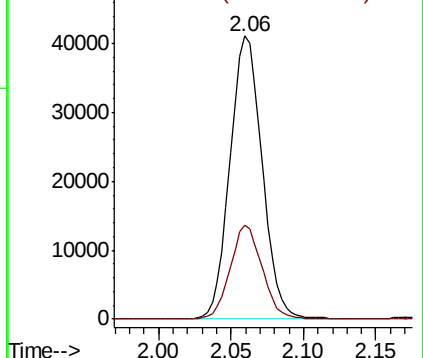
50 100

52 33.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.111 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055600.D

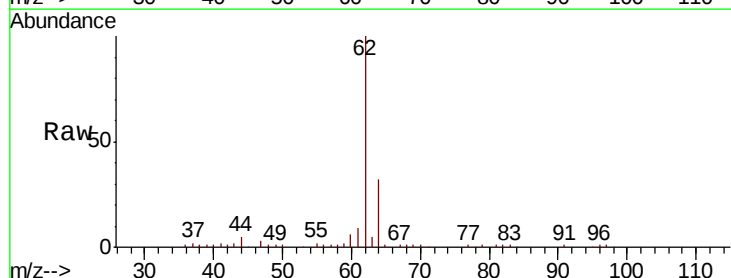
Acq: 17 May 2019 10:16

Tgt Ion: 62 Resp: 69576

Ion Ratio Lower Upper

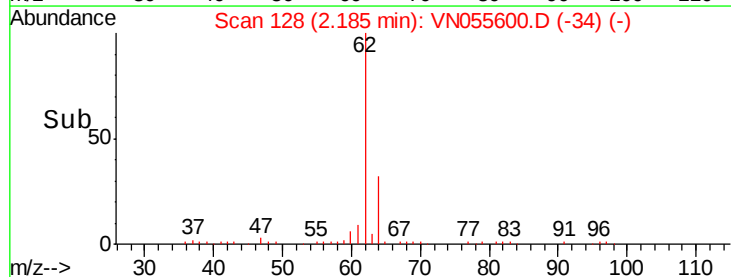
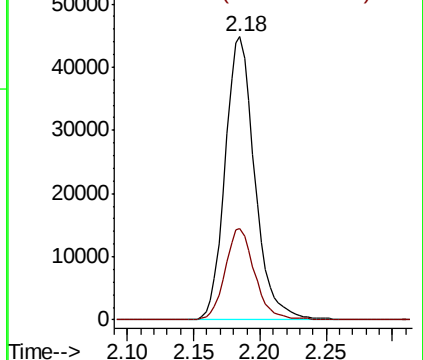
62 100

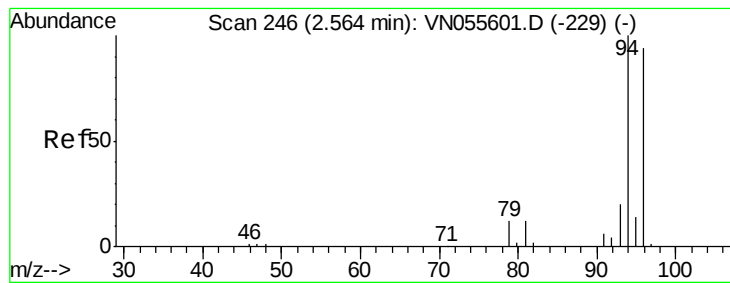
64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.148 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

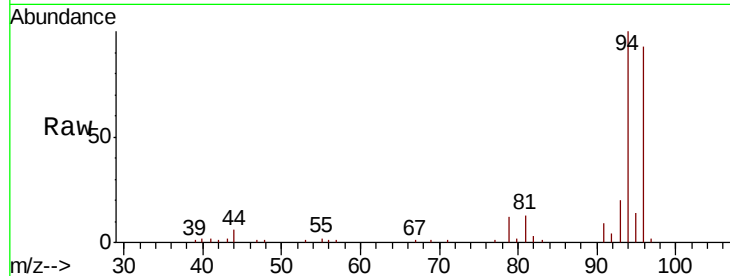
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 45213

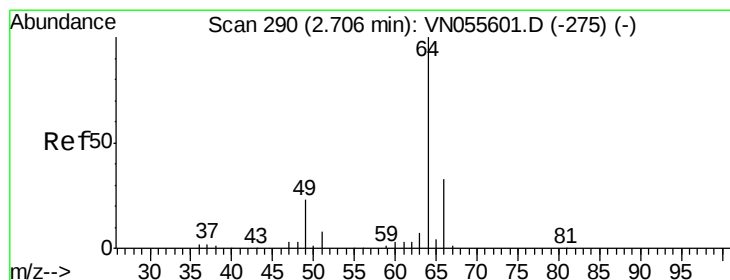
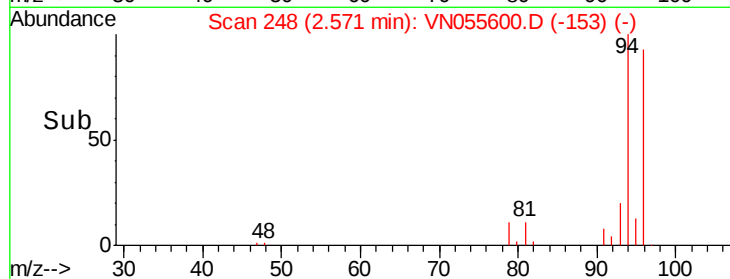
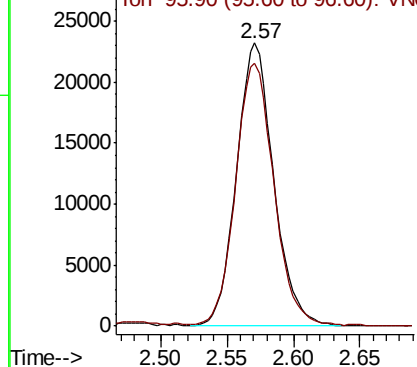
Ion Ratio Lower Upper

94 100

96 92.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.857 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN055600.D

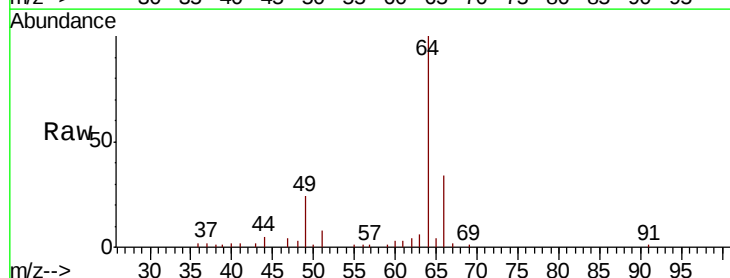
Acq: 17 May 2019 10:16

Tgt Ion: 64 Resp: 39232

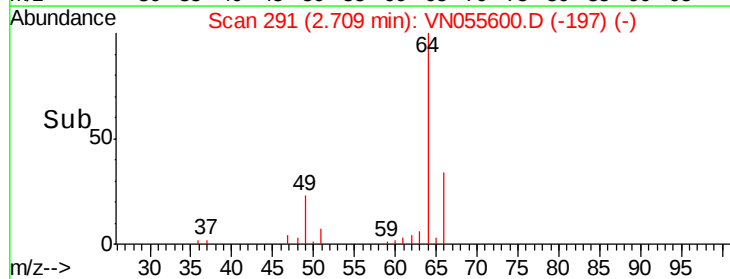
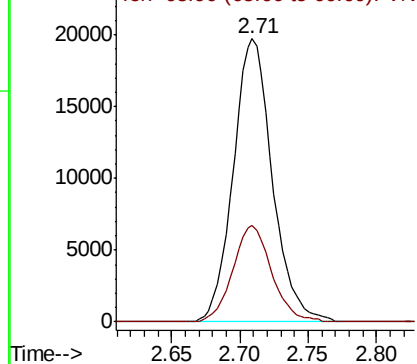
Ion Ratio Lower Upper

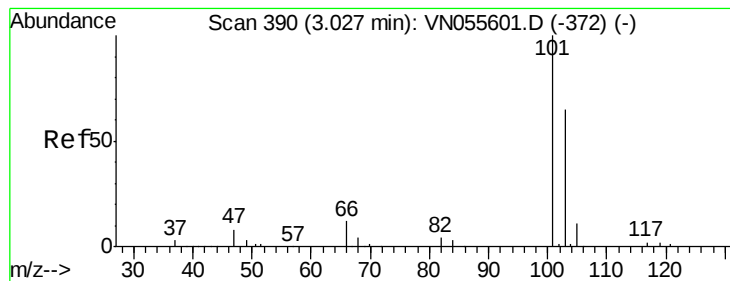
64 100

66 33.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



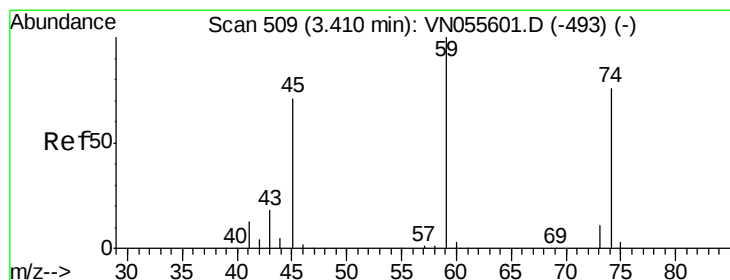
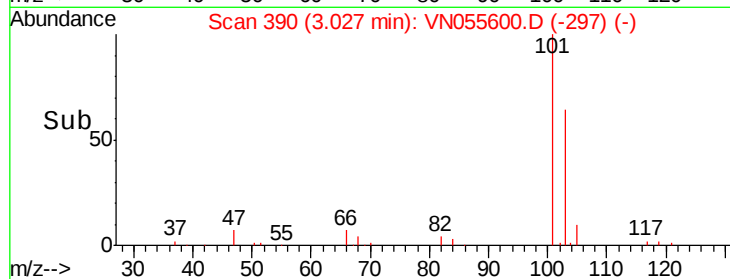
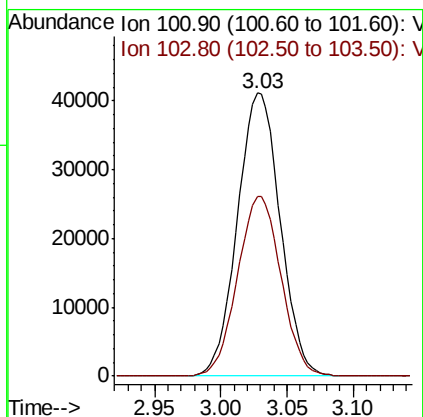
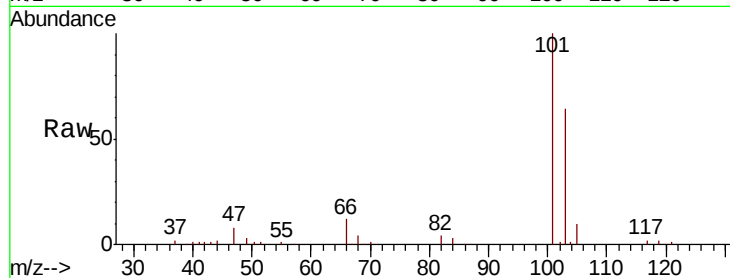


#7

Trichlorofluoromethane
 Concen: 17.895 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :

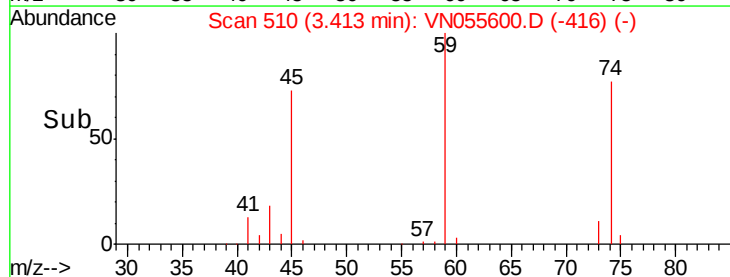
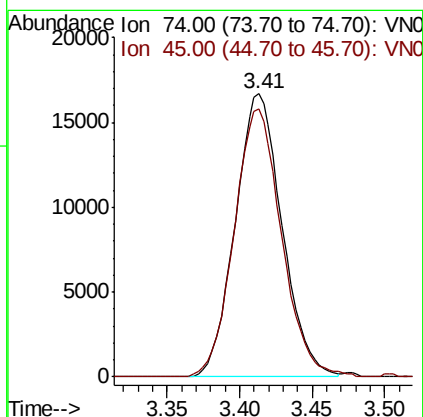
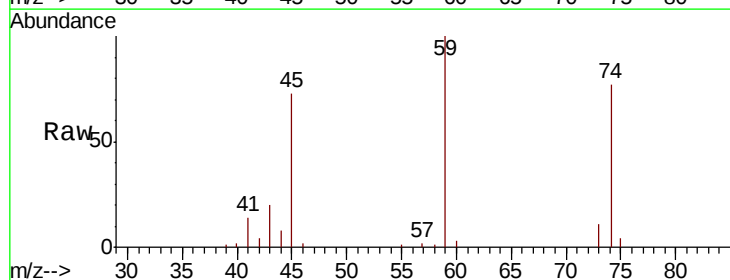
Tot Ion:101 Resp: 92104
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.3 78.5

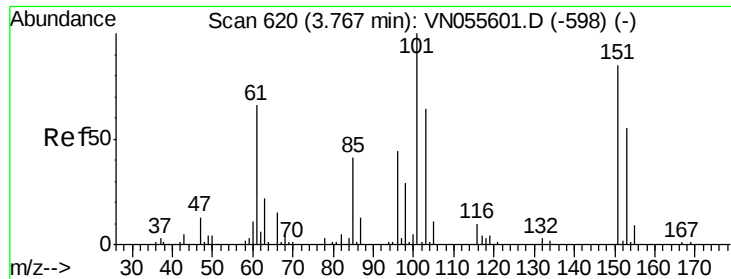


#8

Diethyl Ether
 Concen: 20.072 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion: 74 Resp: 37362
 Ion Ratio Lower Upper
 74 100
 45 95.9 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.906 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

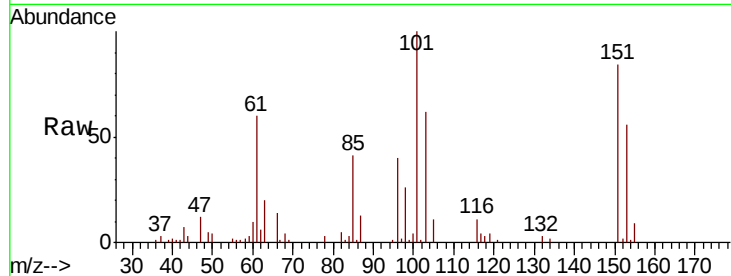
Tot Ion:101 Resp: 55981

Ion Ratio Lower Upper

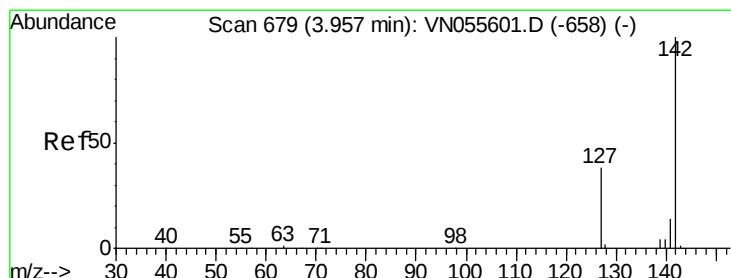
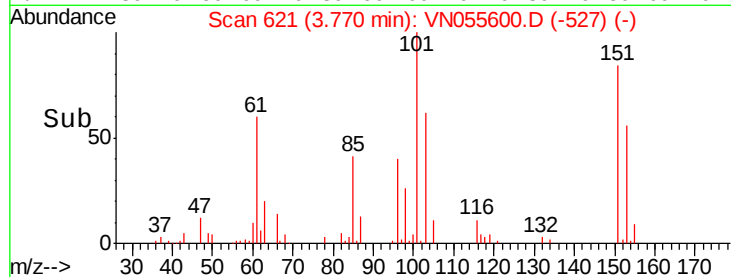
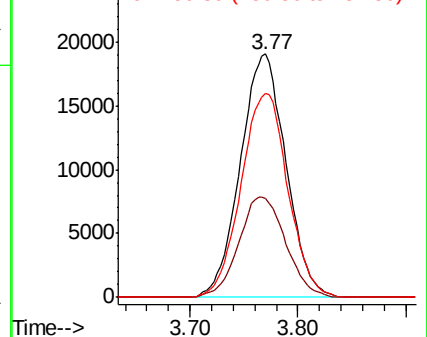
101 100

85 42.3 33.4 50.0

151 86.0 69.3 103.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.418 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

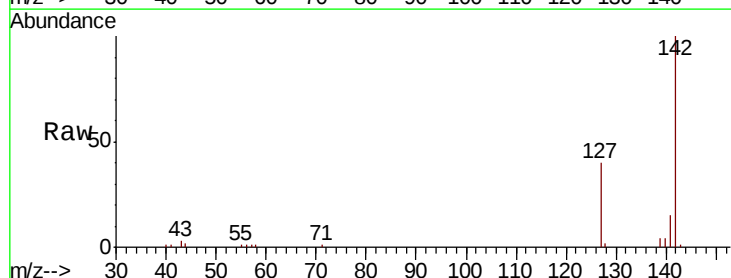
Tgt Ion:142 Resp: 79239

Ion Ratio Lower Upper

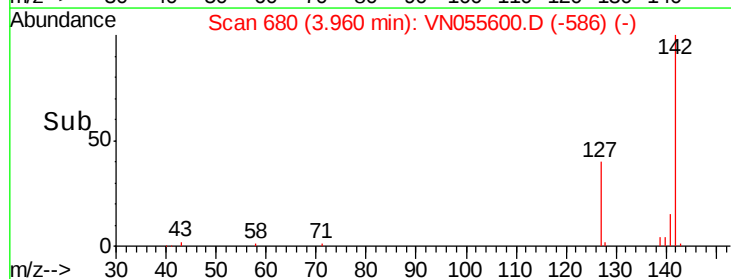
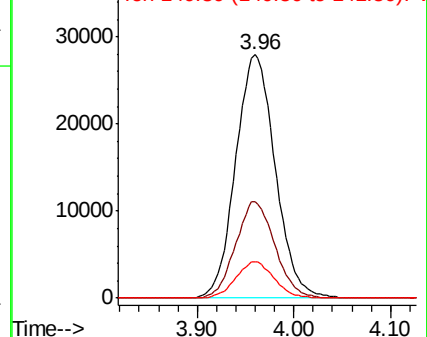
142 100

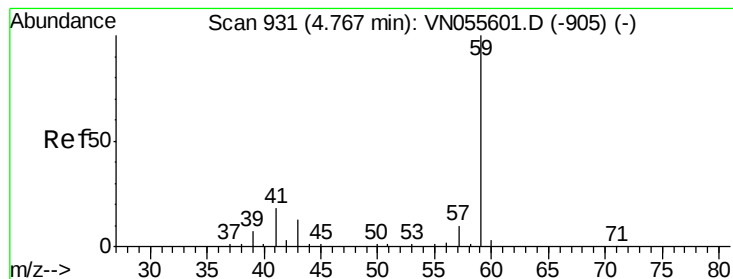
127 39.3 31.0 46.4

141 14.4 11.5 17.3



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



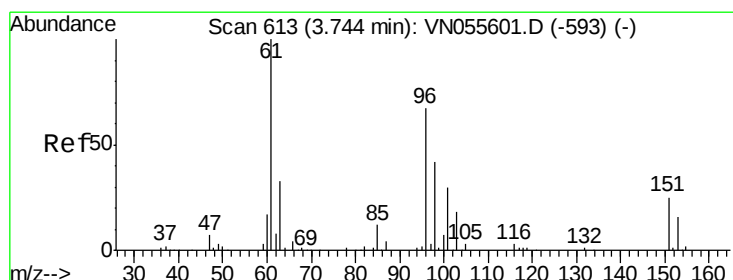
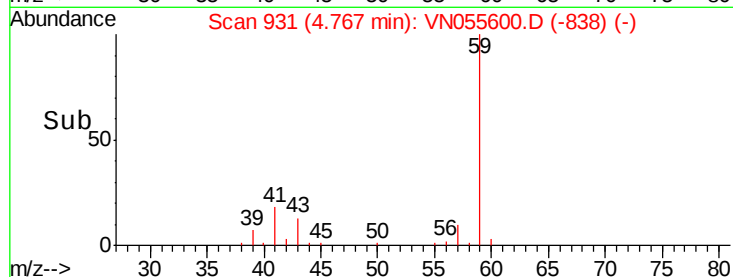
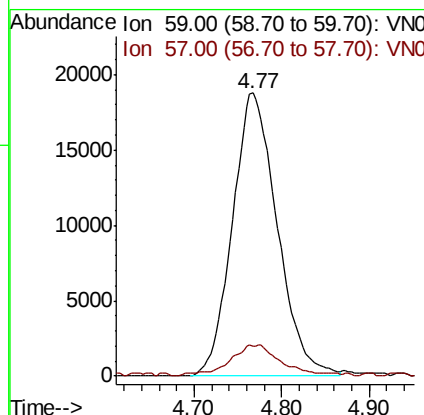
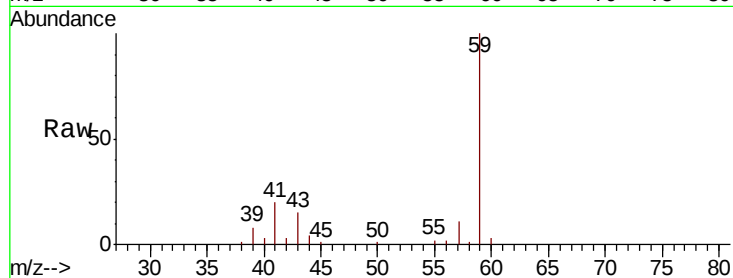


#11

Tert butyl alcohol
 Concen: 224.627 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :

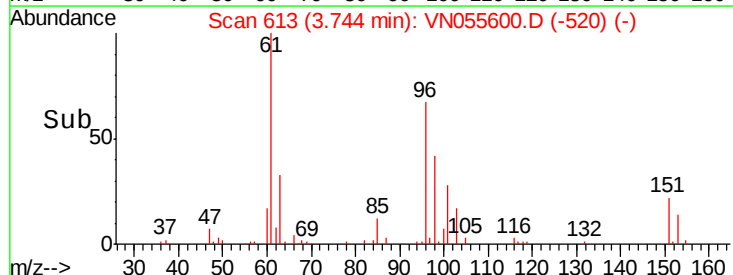
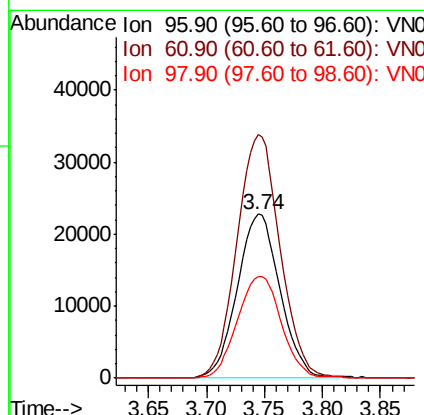
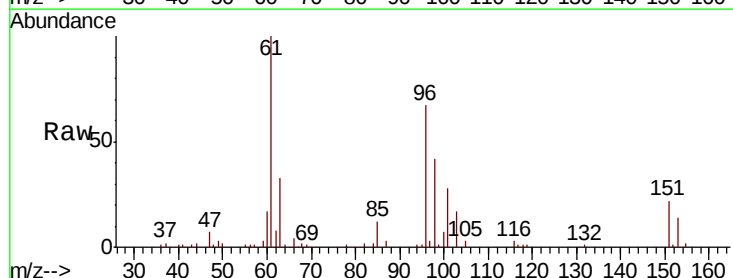
Tot Ion: 59 Resp: 66714
 Ion Ratio Lower Upper
 59 100
 57 4.1 7.8 11.6#

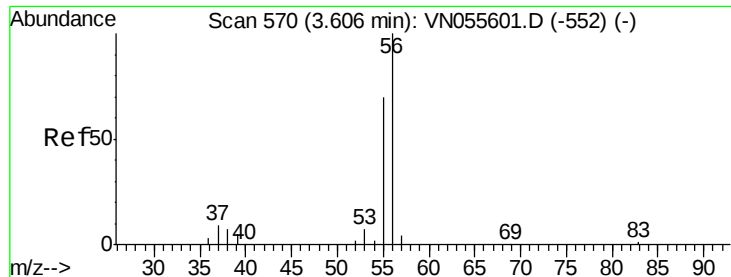


#12

1,1-Dichloroethene
 Concen: 19.792 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion: 96 Resp: 58308
 Ion Ratio Lower Upper
 96 100
 61 148.7 120.2 180.2
 98 62.0 50.6 75.8





#13

Acrolein

Concen: 192.938 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

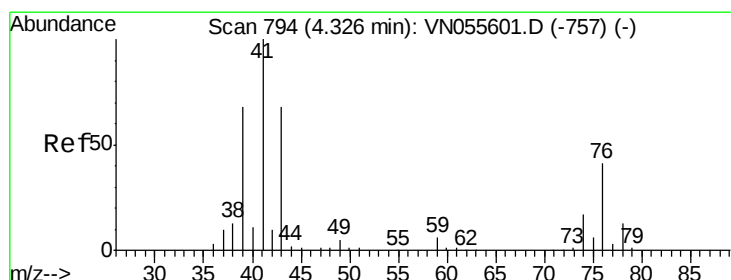
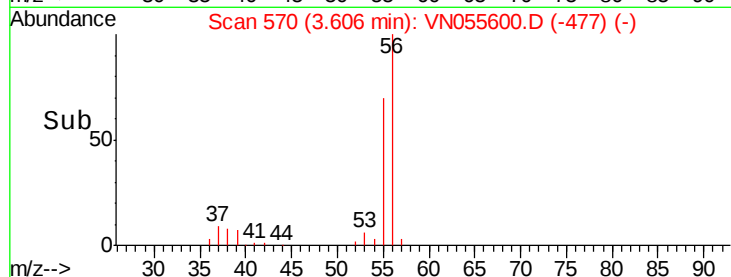
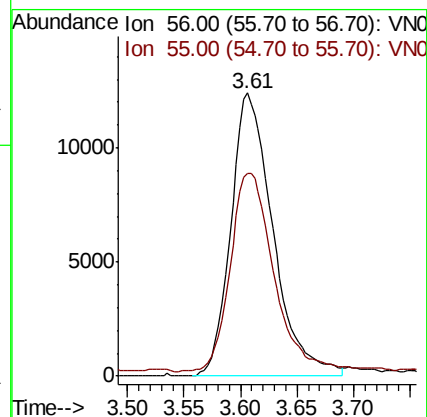
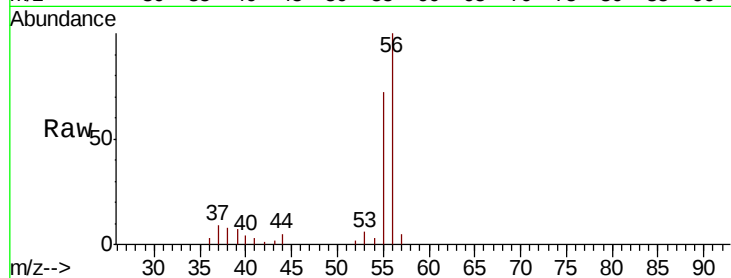
ClientSampleId :

Tot Ion: 56 Resp: 32208

Ion Ratio Lower Upper

56 100

55 73.1 56.5 84.7



#14

Allyl chloride

Concen: 21.391 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

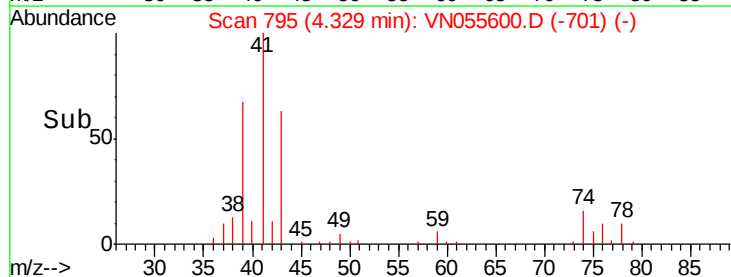
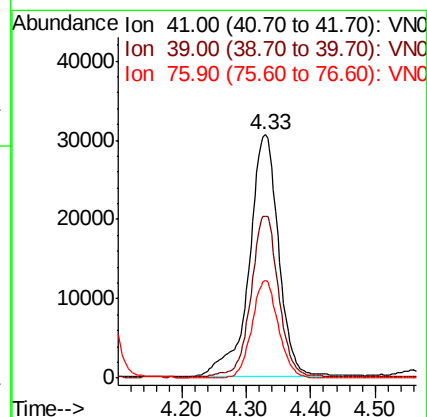
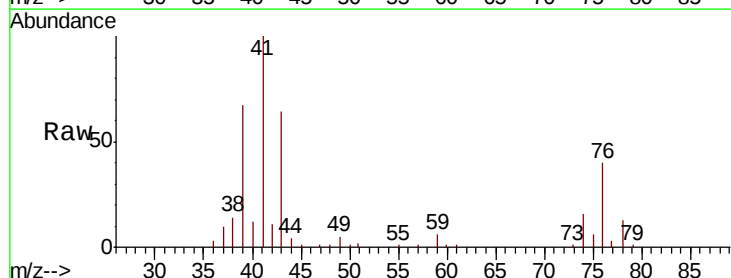
Tgt Ion: 41 Resp: 96667

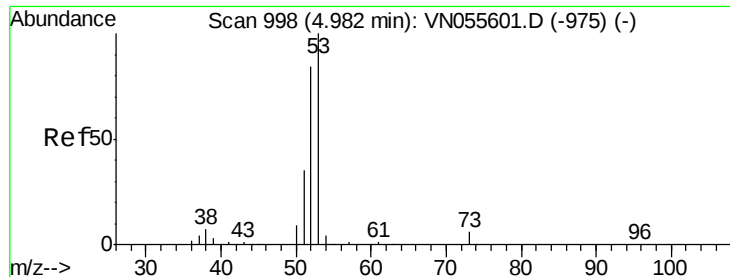
Ion Ratio Lower Upper

41 100

39 62.2 50.5 75.7

76 36.2 29.2 43.8





#15

Acrylonitrile

Concen: 134.799 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :

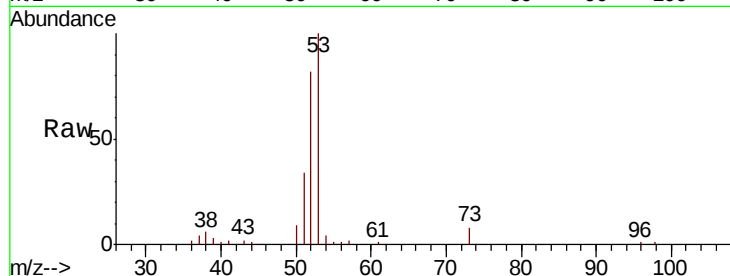
Tot Ion: 53 Resp: 147459

Ion Ratio Lower Upper

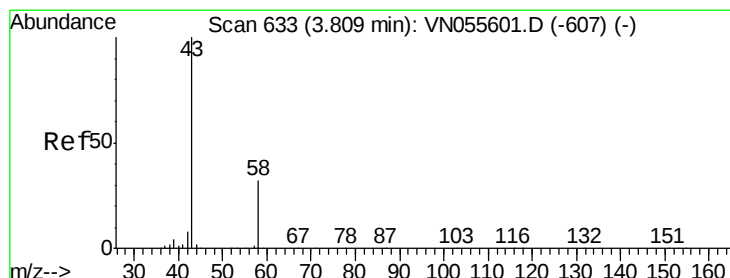
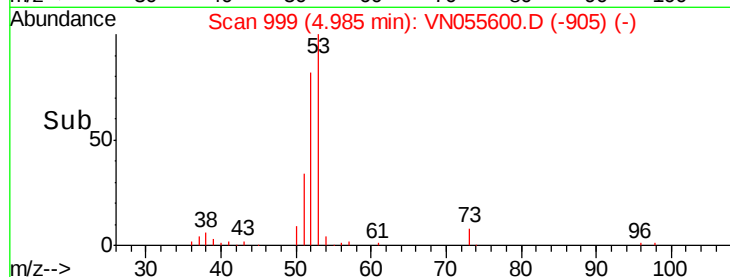
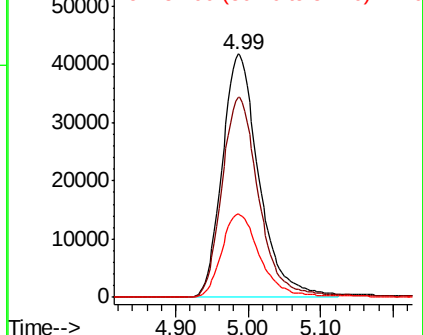
53 100

52 82.2 66.2 99.4

51 35.7 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 147.813 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN055600.D

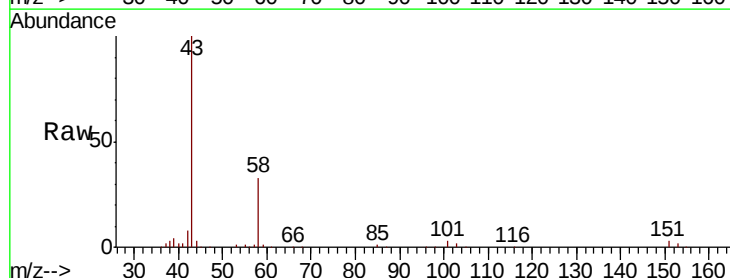
Acq: 17 May 2019 10:16

Tgt Ion: 43 Resp: 146358

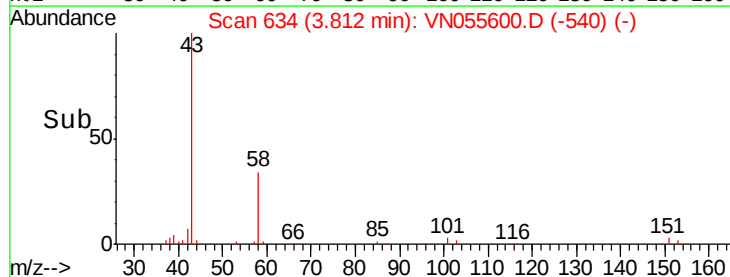
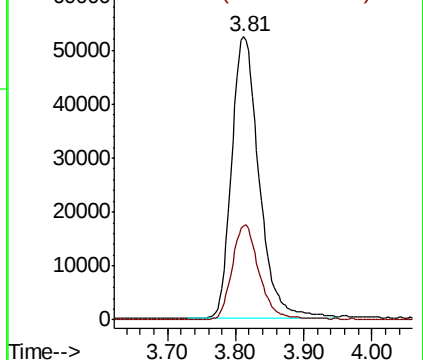
Ion Ratio Lower Upper

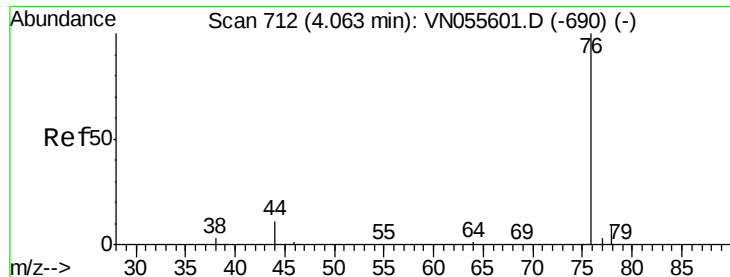
43 100

58 33.6 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

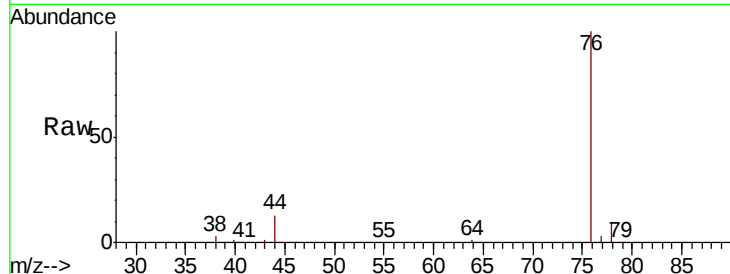




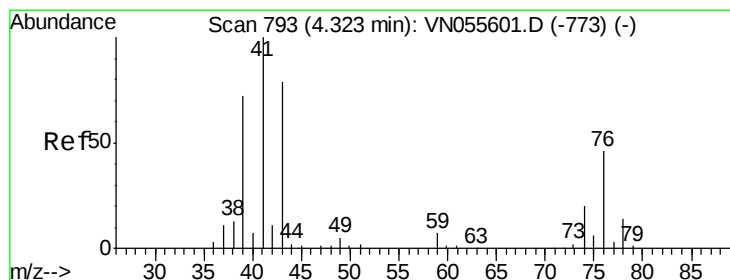
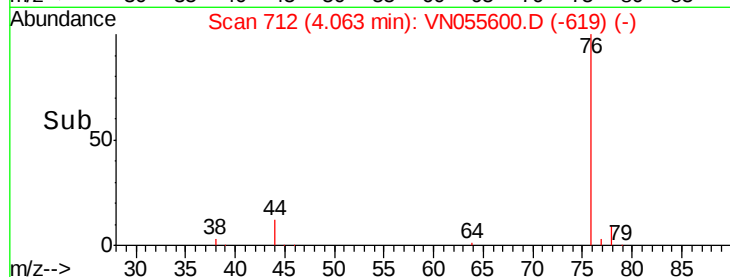
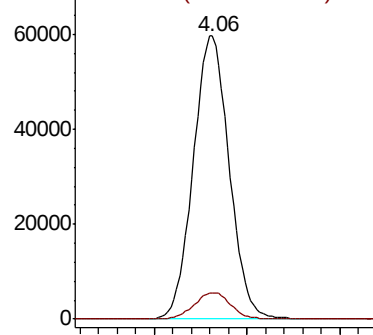
#17
Carbon Disulfide
Concen: 17.893 ug/l
RT: 4.06 min Scan# 712
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 160585
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

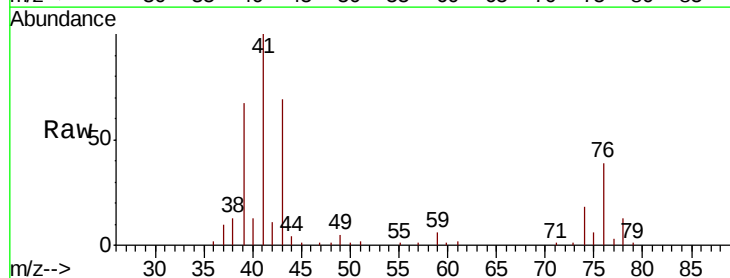


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

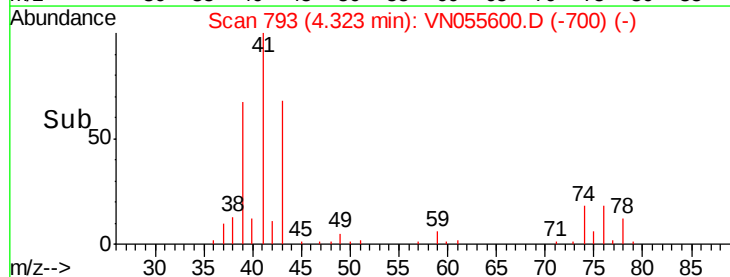
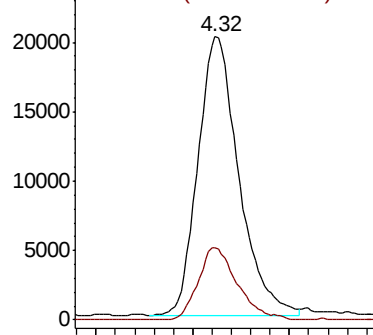


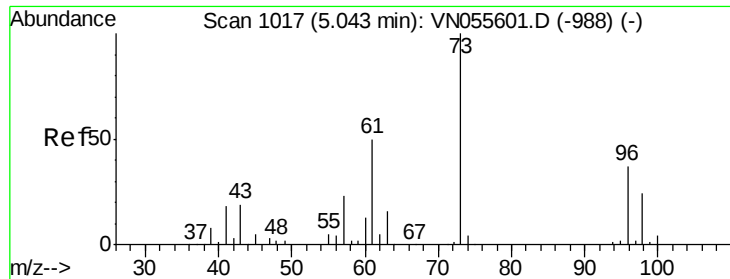
#18
Methyl Acetate
Concen: 25.627 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 43 Resp: 58747
Ion Ratio Lower Upper
43 100
74 24.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

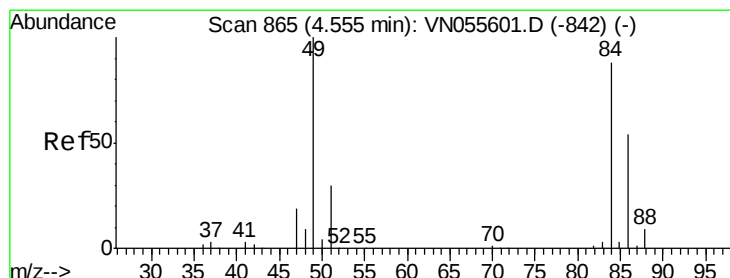
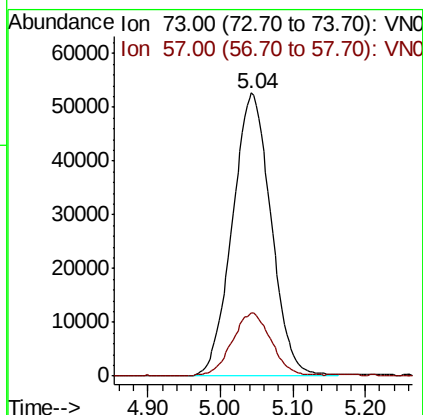
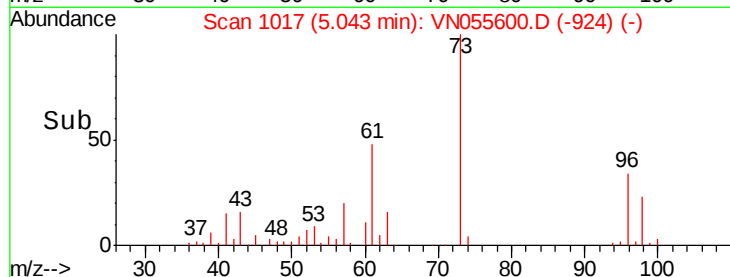
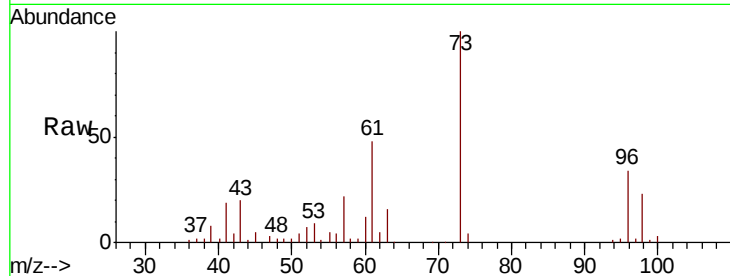




#19
Methvl tert-butvl Ether
Concen: 25.078 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

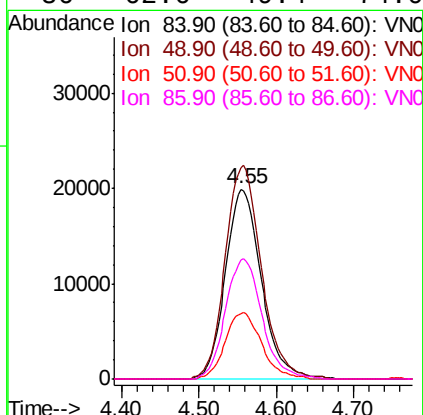
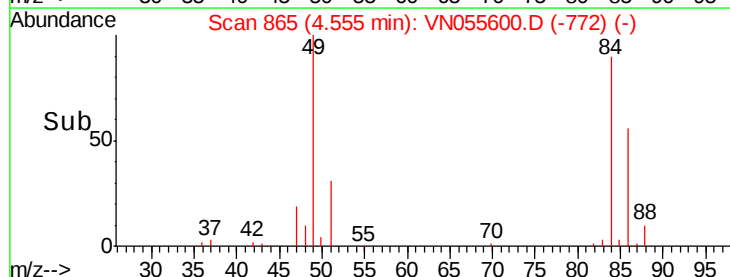
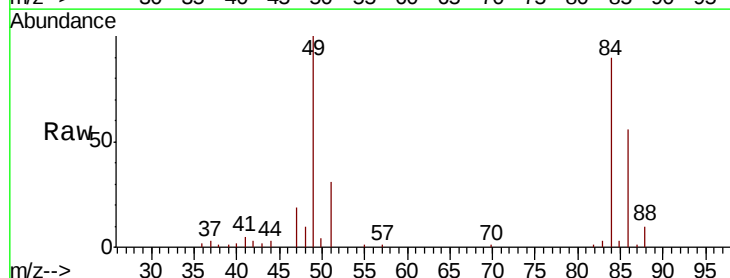
Instrument :
MSVOA_N
ClientSampled :

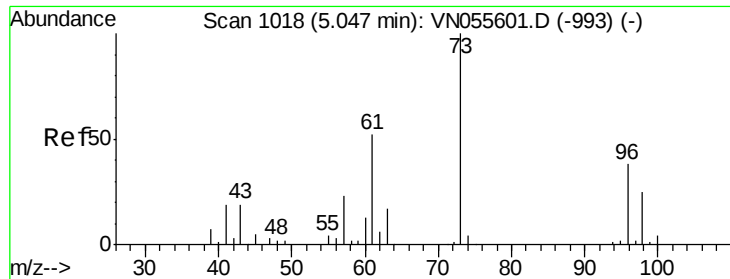
Tot Ion: 73 Resp: 195365
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2



#20
Methylene Chloride
Concen: 19.280 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 84 Resp: 64341
Ion Ratio Lower Upper
84 100
49 111.0 91.0 136.4
51 34.4 27.5 41.3
86 62.6 49.4 74.0

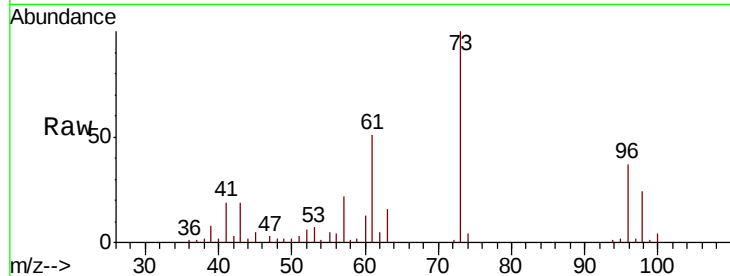




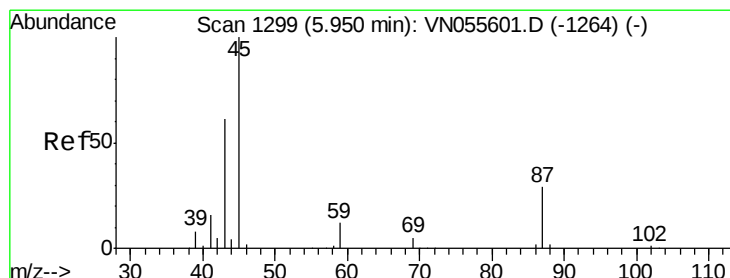
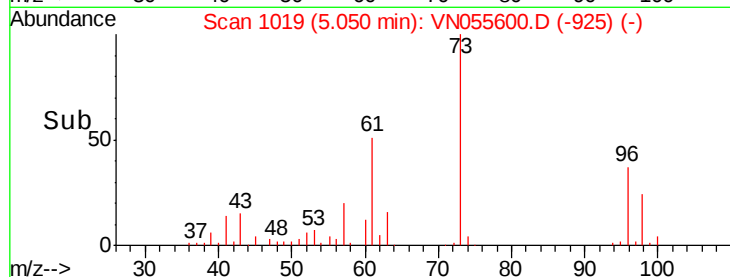
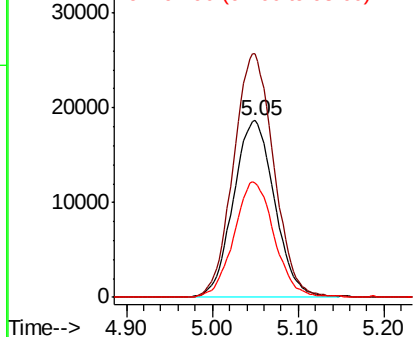
#21
trans-1,2-Dichloroethene
Concen: 20.113 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 62167
Ion Ratio Lower Upper
96 100
61 137.9 108.6 162.8
98 65.1 51.4 77.0

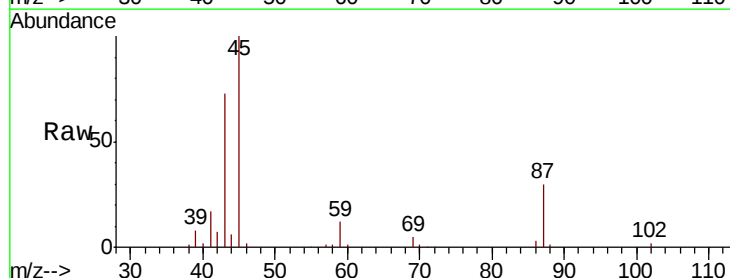


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

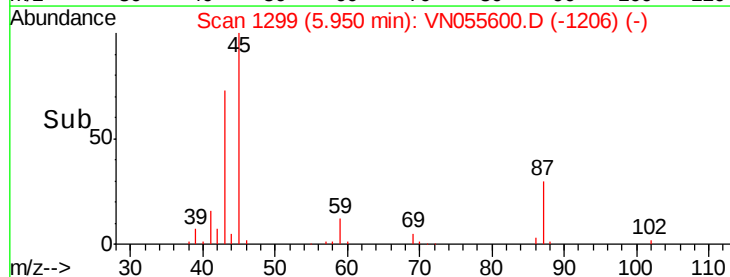
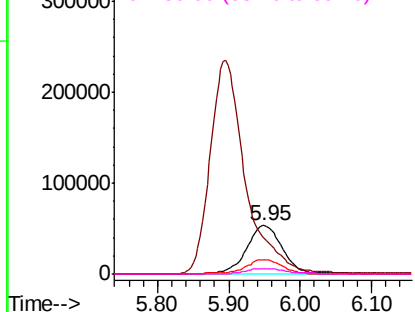


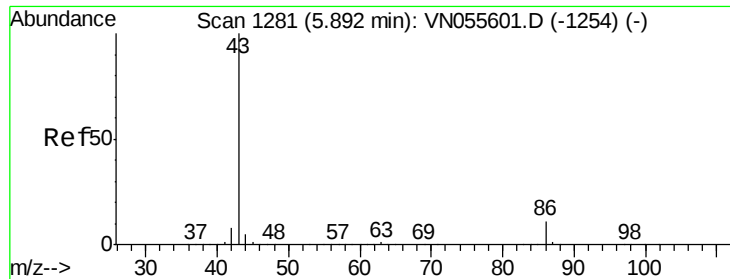
#22
Diisopropyl ether
Concen: 22.079 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 45 Resp: 185609
Ion Ratio Lower Upper
45 100
43 69.3 50.4 75.6
87 29.2 23.8 35.6
59 11.6 9.5 14.3



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





#23

Vinyl Acetate

Concen: 128.700 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

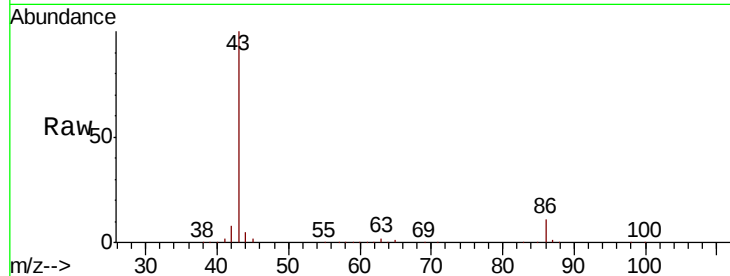
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 806361

Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN055600.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN055600.D (-1188) (-)

5.90

250000

200000

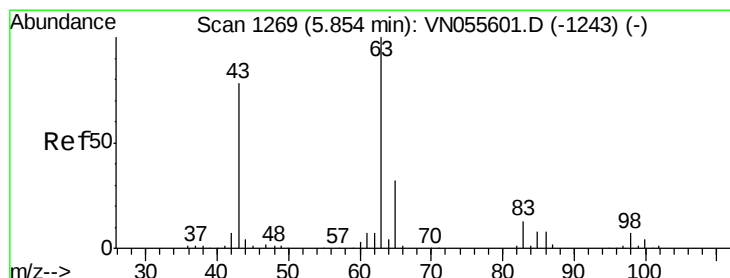
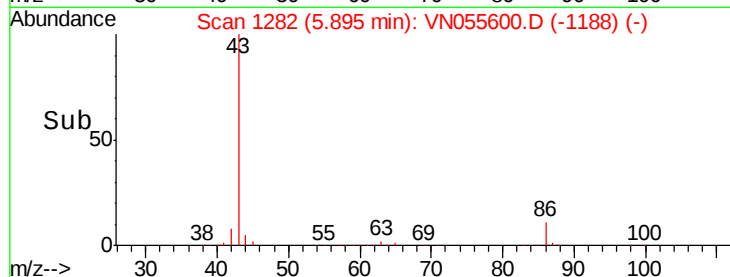
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.797 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

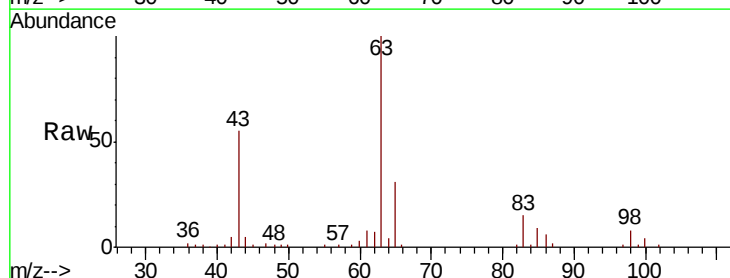
Tgt Ion: 63 Resp: 111365

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

100 4.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055600.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN055600.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN055600.D (-1176) (-)

5.85

40000

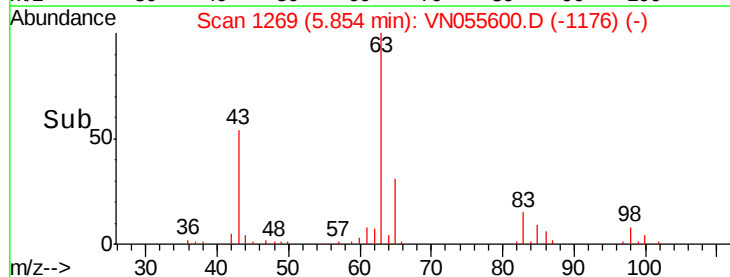
30000

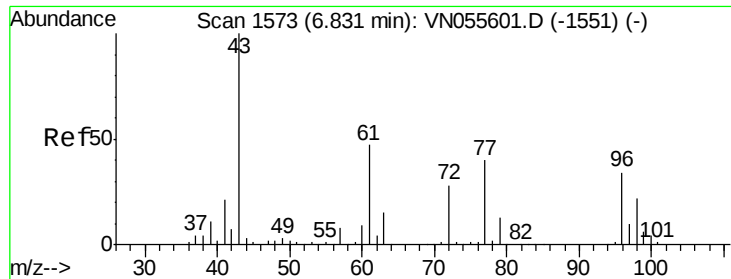
20000

10000

0

Time-->

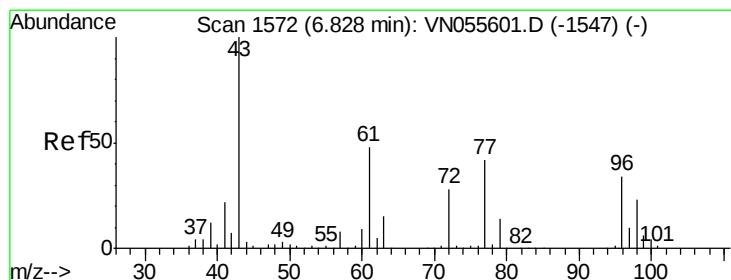
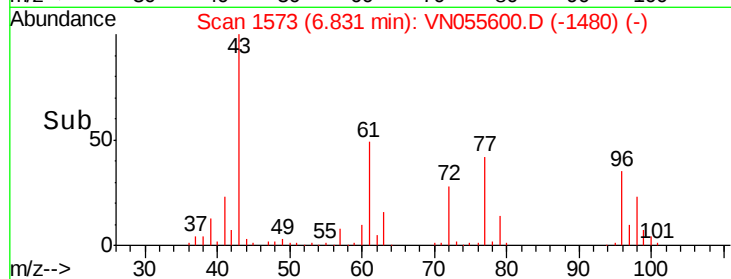
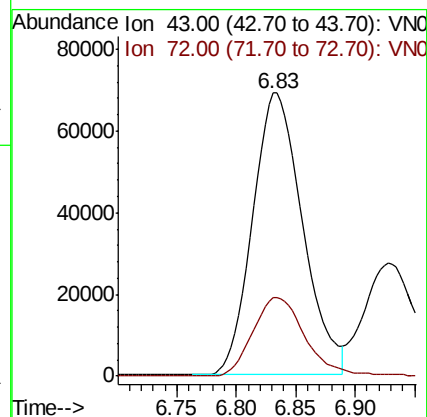
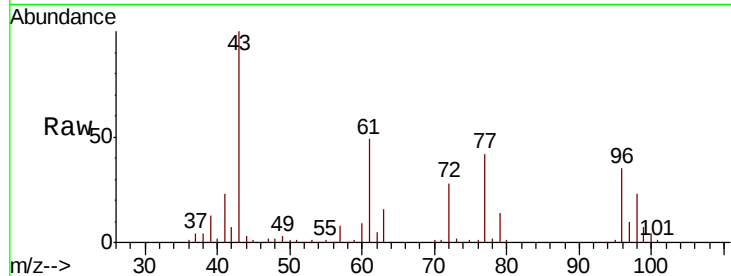




#25
2-Butanone
Concen: 154.476 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

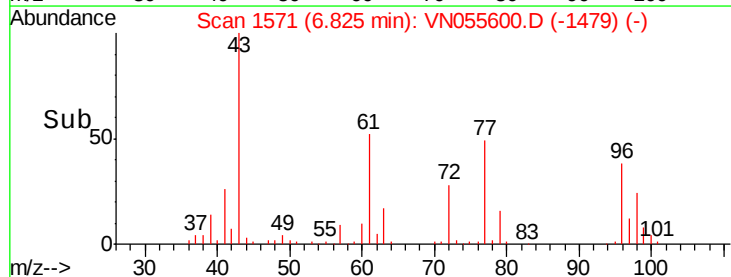
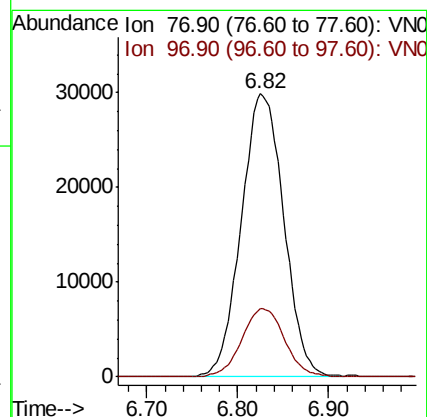
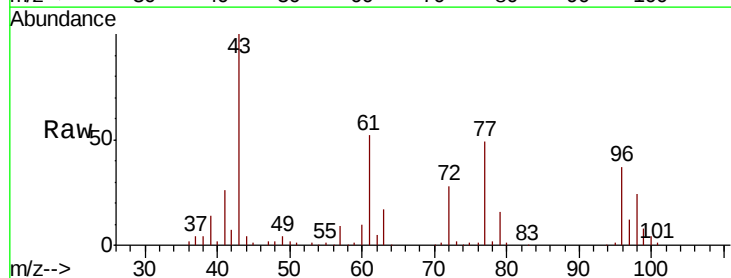
Instrument :
MSVOA_N
ClientSampled :

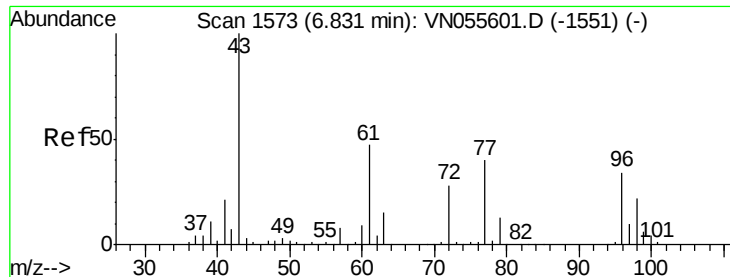
Tot Ion: 43 Resp: 200633
Ion Ratio Lower Upper
43 100
72 27.7 22.3 33.5



#26
2,2-Dichloropropane
Concen: 22.279 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 77 Resp: 97019
Ion Ratio Lower Upper
77 100
97 24.3 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.814 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

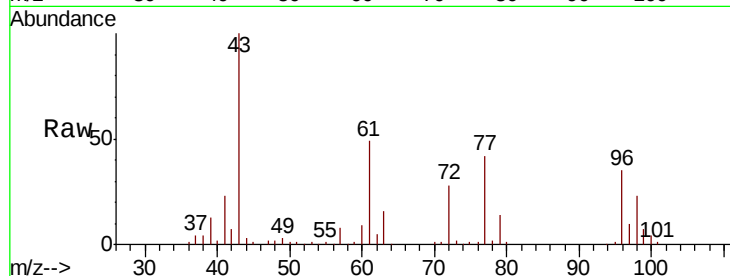
Tot Ion: 96 Resp: 72360

Ion Ratio Lower Upper

96 100

61 138.4 0.0 279.0

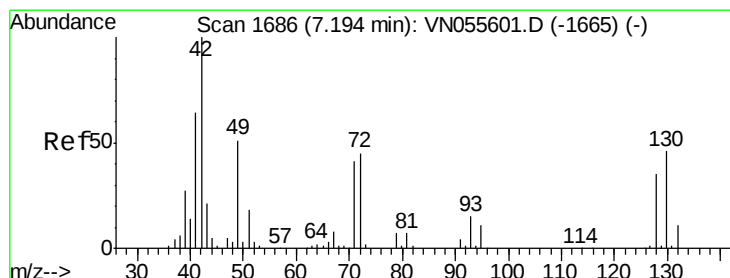
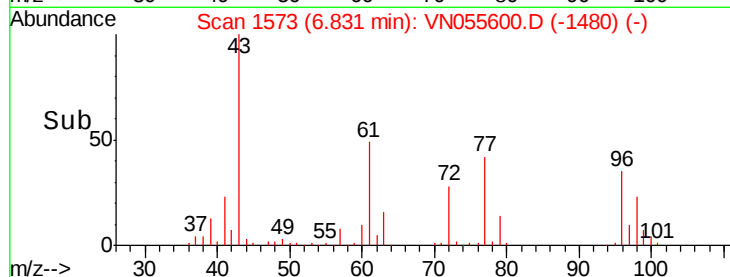
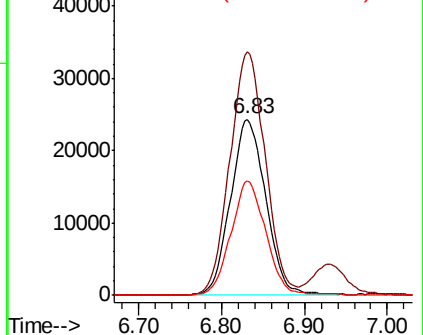
98 63.8 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN055600.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN055600.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN055600.D (-1551) (-)



#28

Bromochloromethane

Concen: 20.436 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

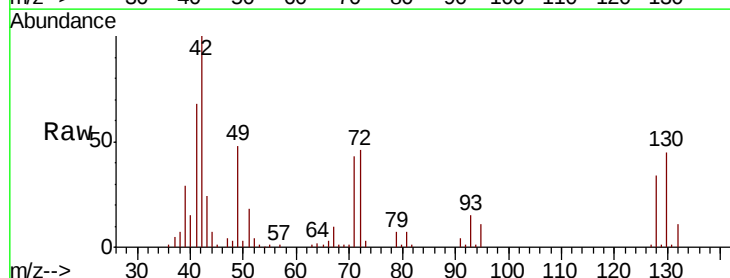
Tgt Ion: 49 Resp: 50196

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

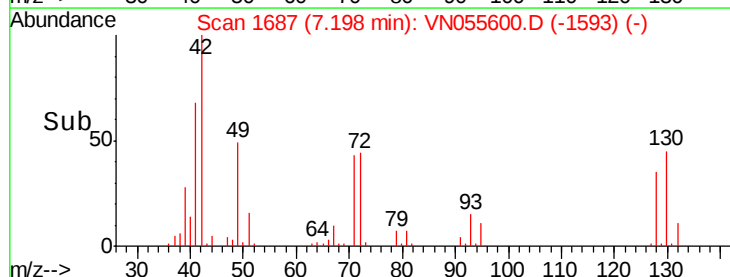
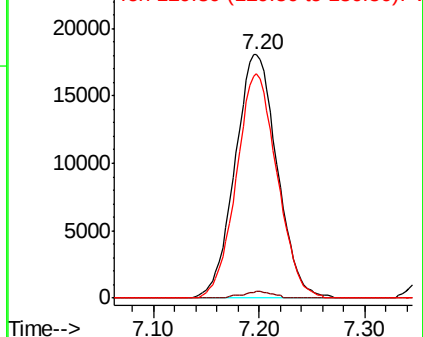
130 89.1 71.0 106.6

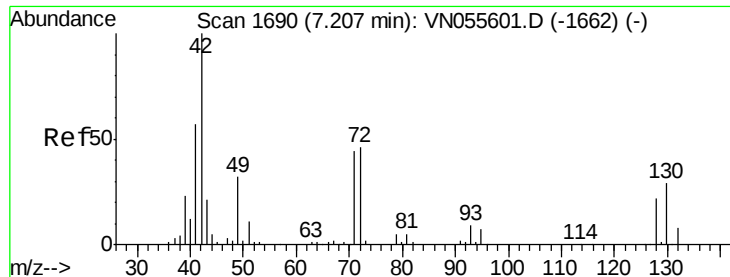


Abundance Ion 48.90 (48.60 to 49.60): VN055600.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055600.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055600.D (-1665) (-)

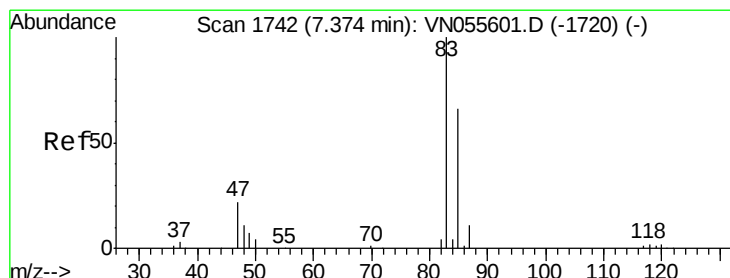
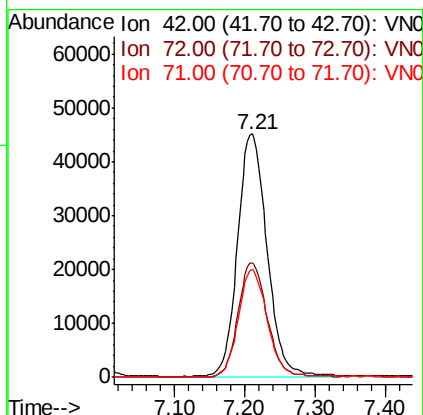
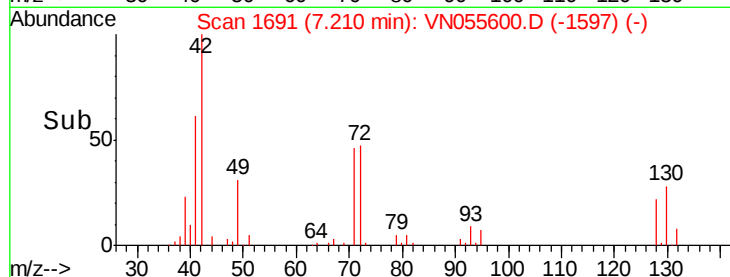
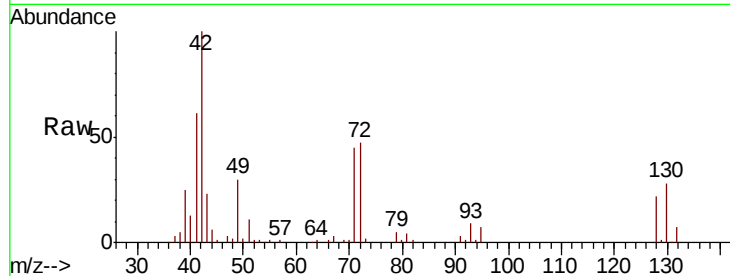




#29
Tetrahydrofuran
Concen: 156.745 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

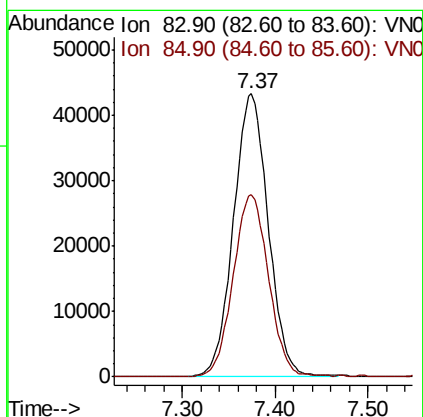
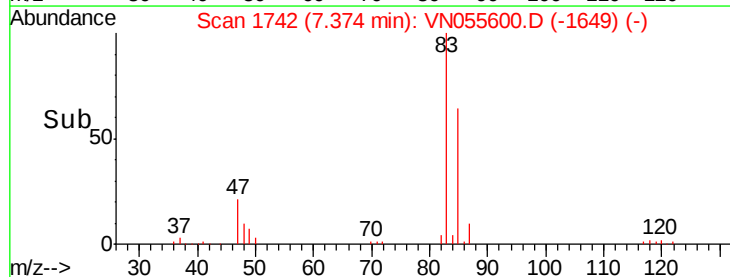
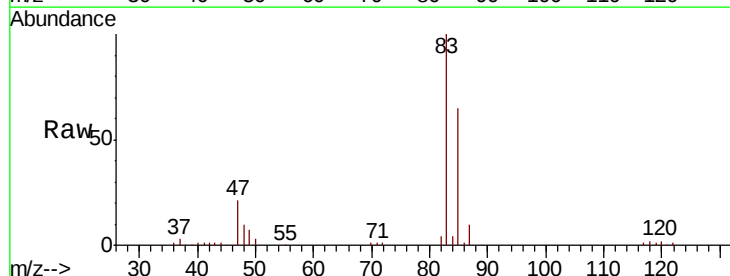
Instrument :
MSVOA_N
ClientSampled :

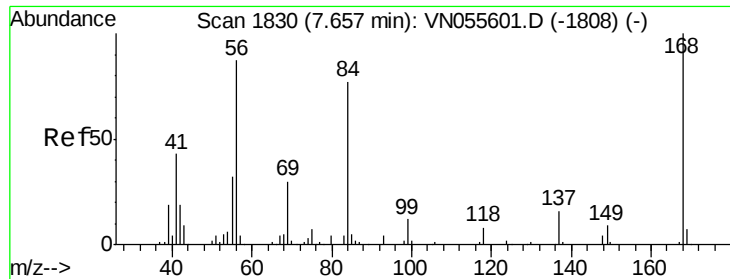
Tot Ion: 42 Resp: 131167
Ion Ratio Lower Upper
42 100
72 46.8 36.5 54.7
71 43.9 34.9 52.3



#30
Chloroform
Concen: 19.919 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 83 Resp: 112561
Ion Ratio Lower Upper
83 100
85 64.5 52.6 78.8

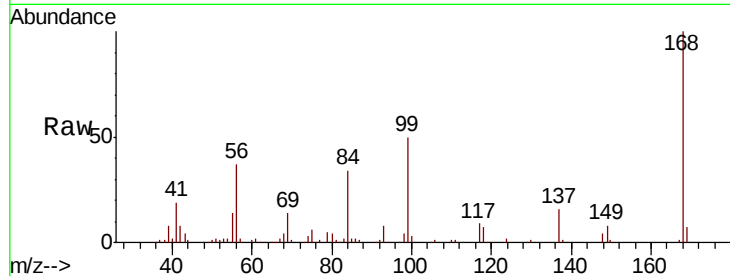




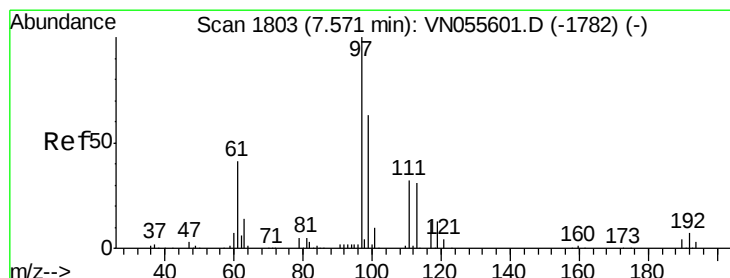
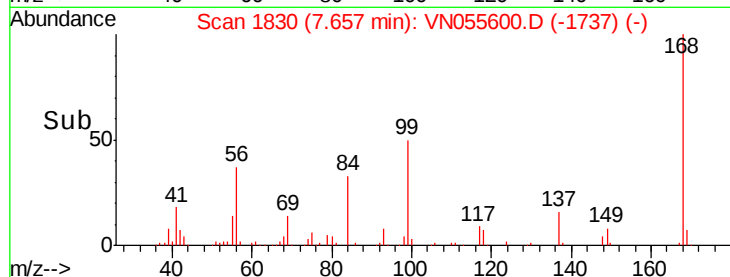
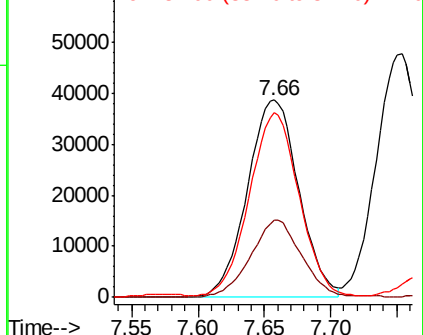
#31
Cyclohexane
Concen: 17.918 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 104807
Ion Ratio Lower Upper
56 100
69 39.3 27.2 40.8
84 92.7 71.3 106.9

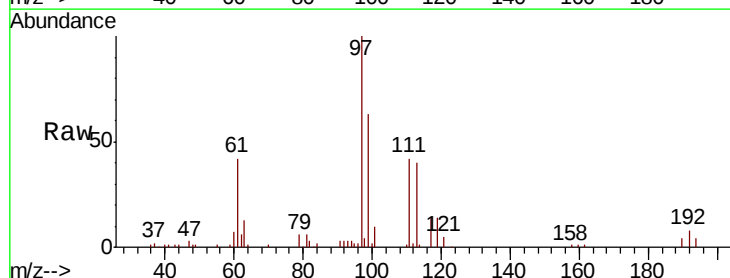


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

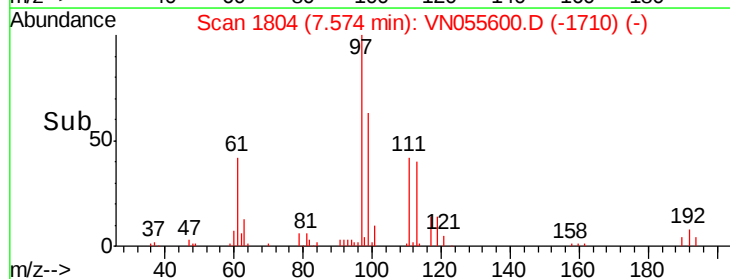
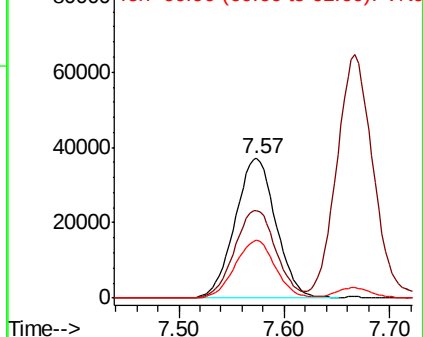


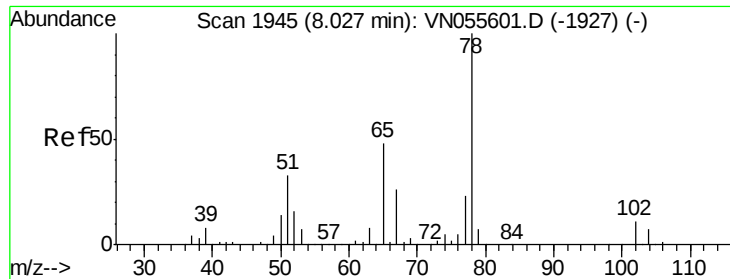
#32
1,1,1-Trichloroethane
Concen: 20.531 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 97 Resp: 99877
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.2
61 40.8 32.9 49.3



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: 22.909 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

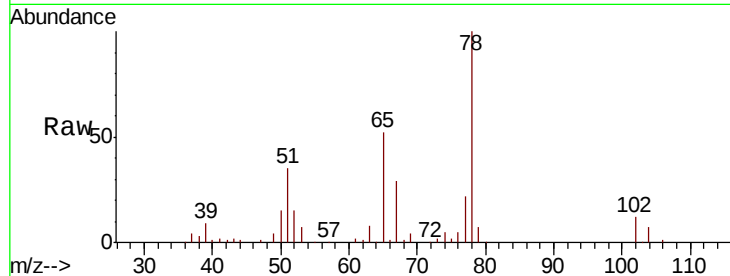
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 75711

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055600.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055600.D (-1852) (-)

8.03

30000

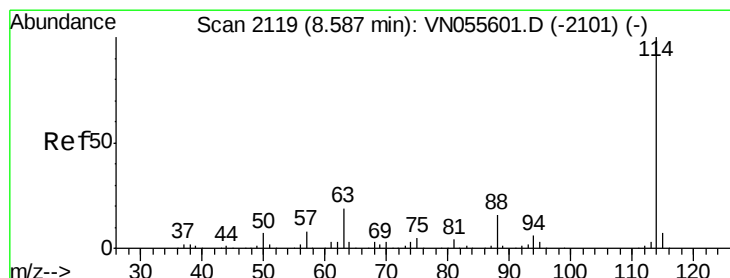
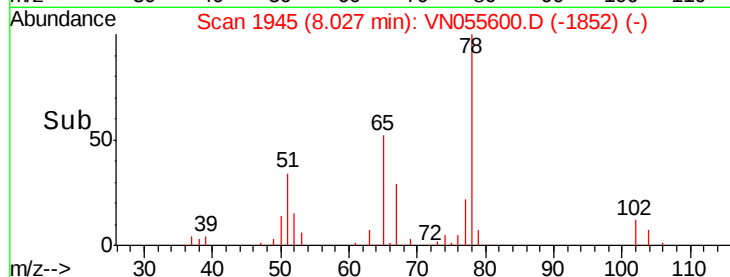
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

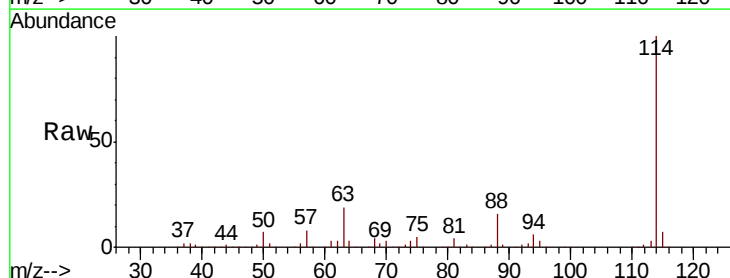
Tgt Ion: 114 Resp: 485563

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.2

88 15.5 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055600.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055600.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055600.D (-2026) (-)

8.59

300000

250000

200000

150000

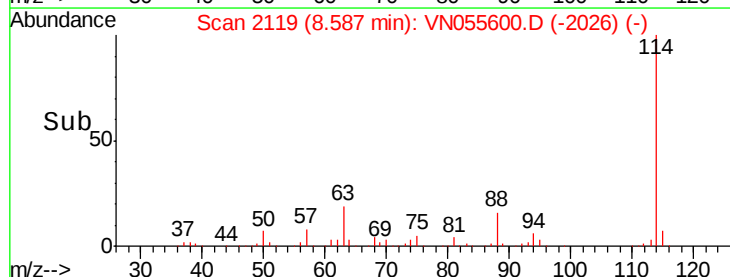
100000

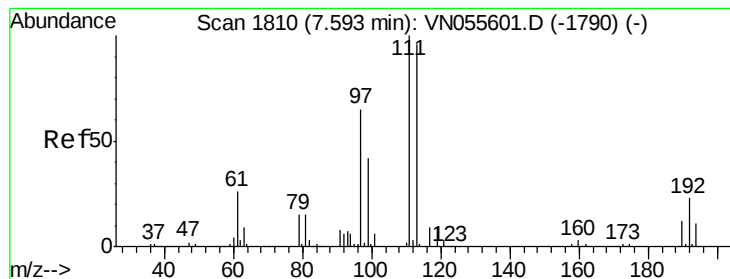
50000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 20.732 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

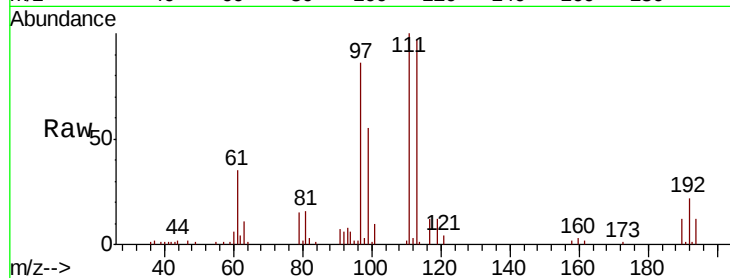
Tot Ion:113 Resp: 66099

Ion Ratio Lower Upper

113 100

111 104.2 82.5 123.7

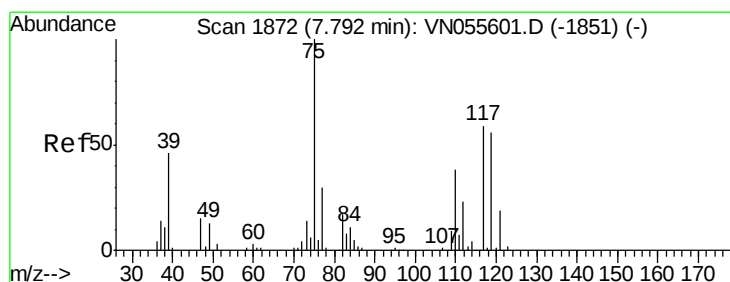
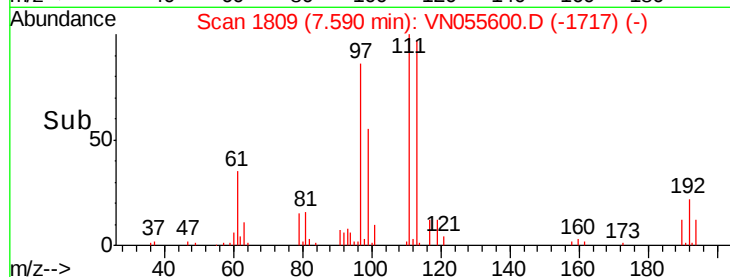
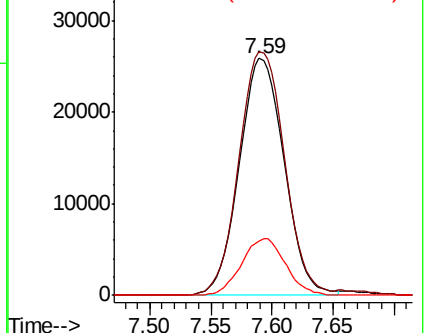
192 23.5 18.7 28.1



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: 19.150 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

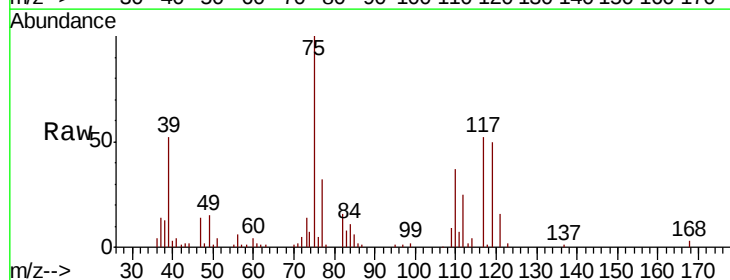
Tgt Ion: 75 Resp: 84988

Ion Ratio Lower Upper

75 100

110 36.7 18.6 55.6

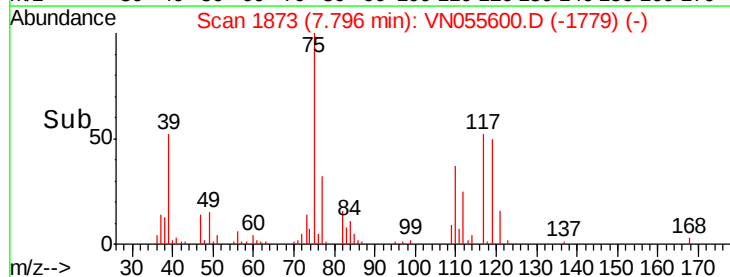
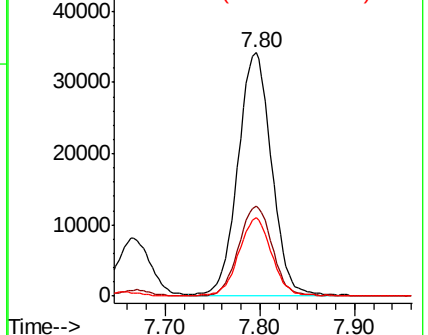
77 31.2 24.9 37.3

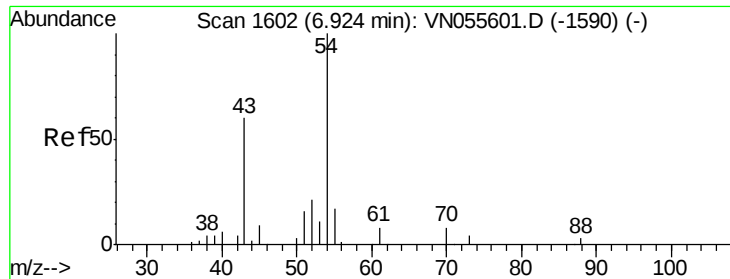


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

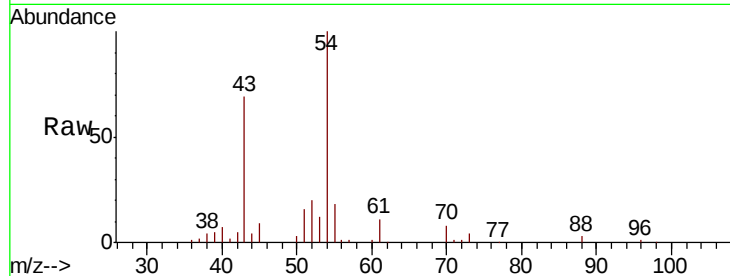




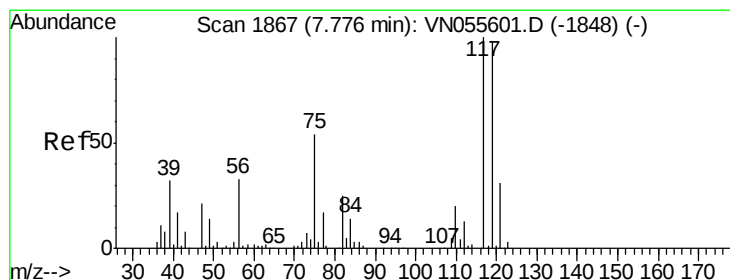
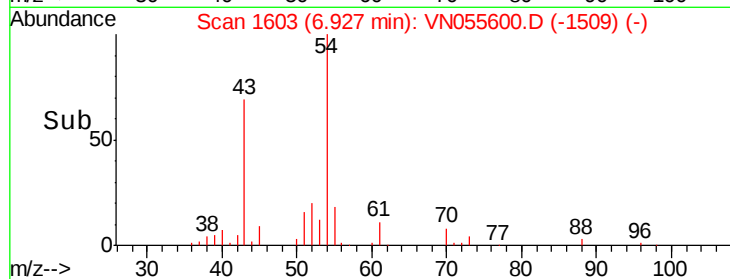
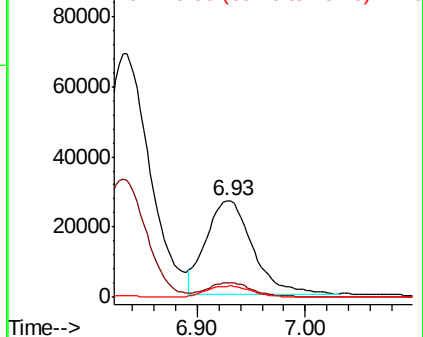
#37
Ethyl Acetate
Concen: 29.696 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 80574
Ion Ratio Lower Upper
43 100
61 13.9 11.4 17.0
70 11.7 9.2 13.8

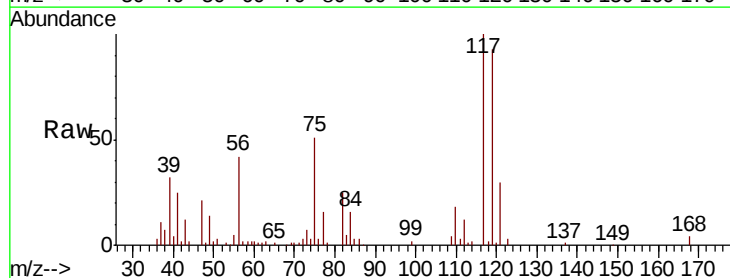


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

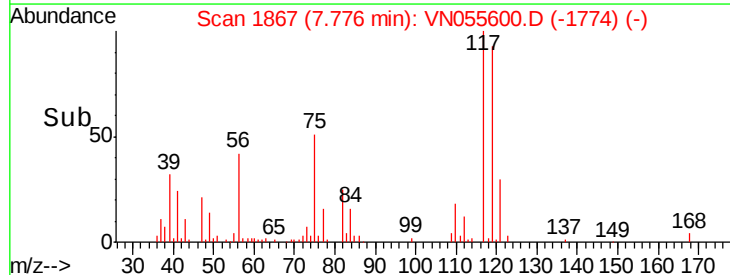
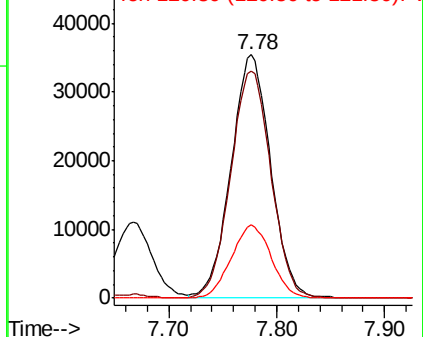


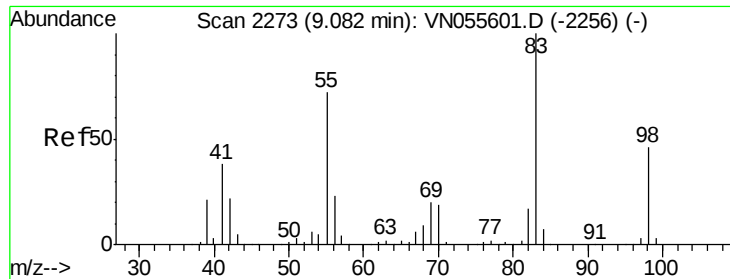
#38
Carbon Tetrachloride
Concen: 18.992 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 117 Resp: 90521
Ion Ratio Lower Upper
117 100
119 93.4 77.8 116.8
121 29.9 24.6 37.0



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

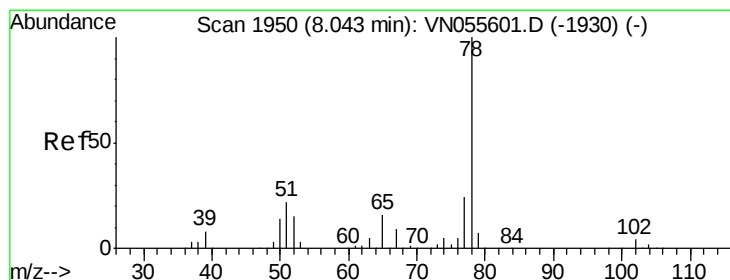
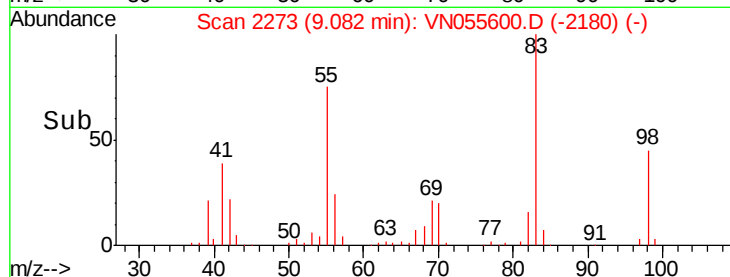
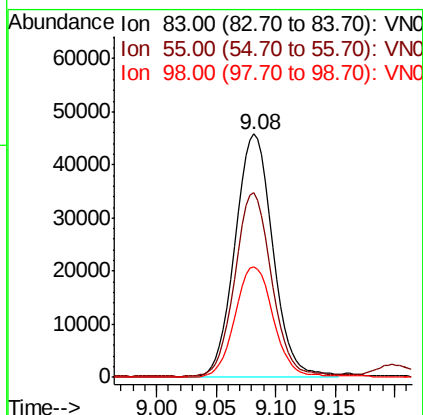
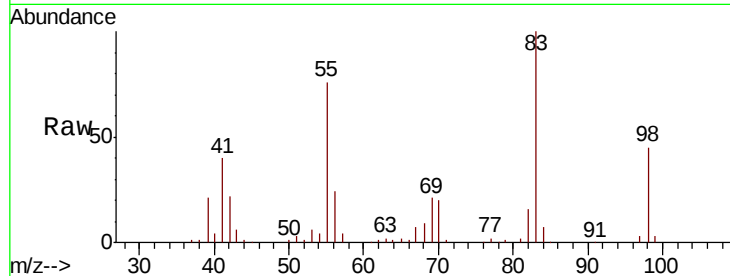




#39
Methvlcvclohexane
Concen: 19.966 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

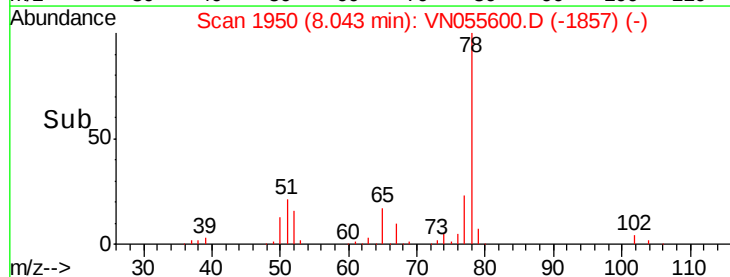
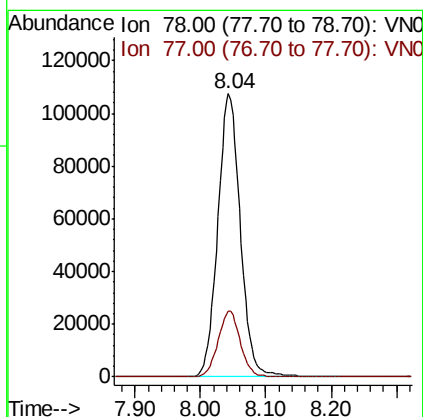
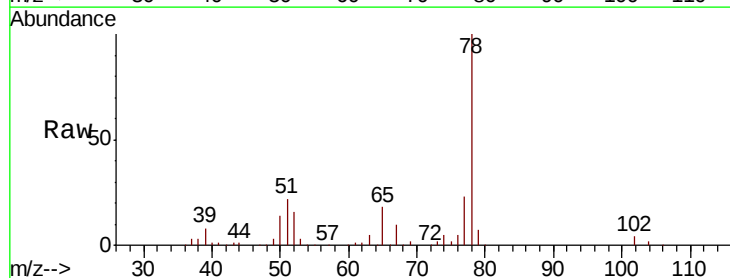
Instrument :
MSVOA_N
ClientSampleId :

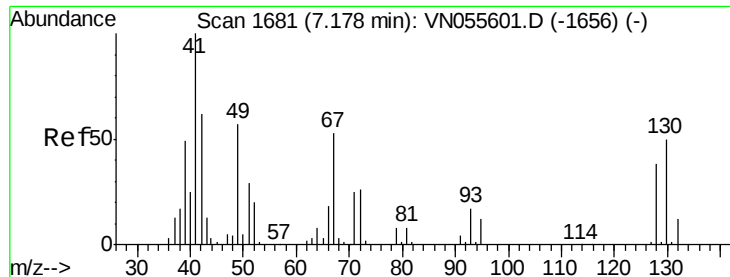
Tot Ion: 83 Resp: 101568
Ion Ratio Lower Upper
83 100
55 75.3 57.8 86.6
98 45.2 36.7 55.1



#40
Benzene
Concen: 19.755 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 78 Resp: 257571
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

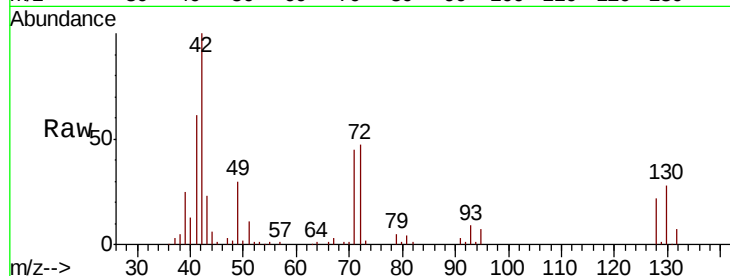




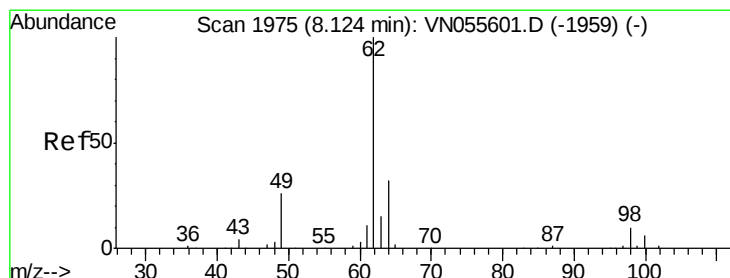
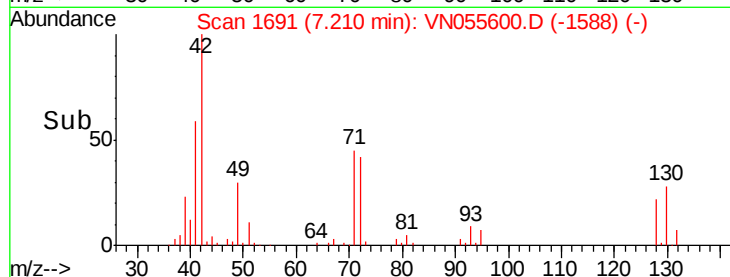
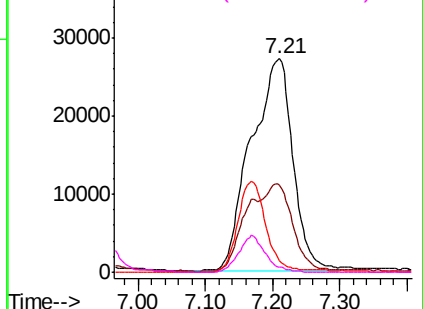
#41
Methacrylonitrile
Concen: 84.596 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	117330
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

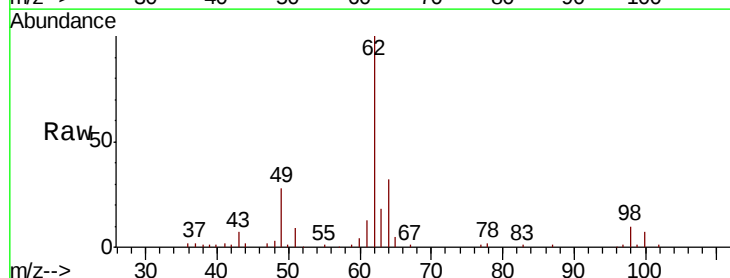


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

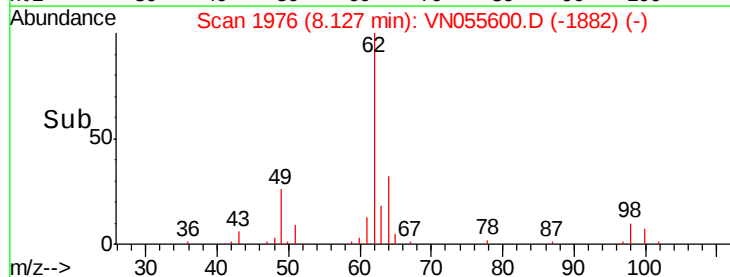
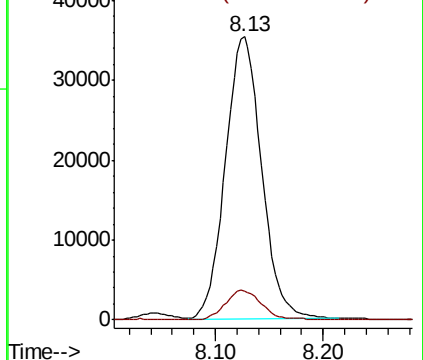


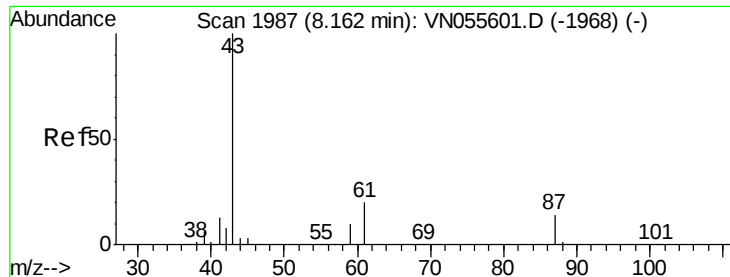
#42
1,2-Dichloroethane
Concen: 20.804 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion:	62	Resp:	82665
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2



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



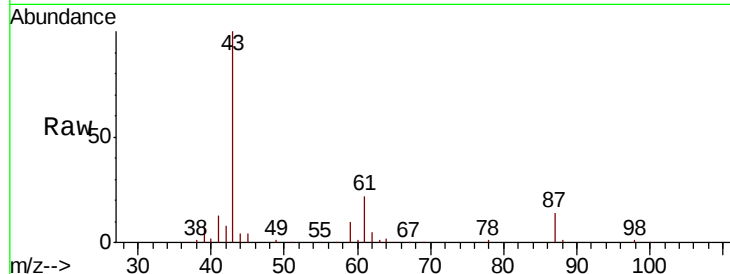


#43

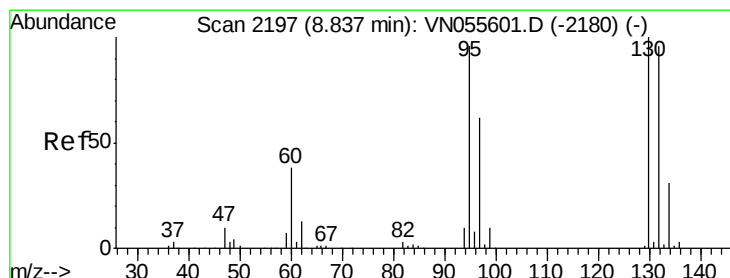
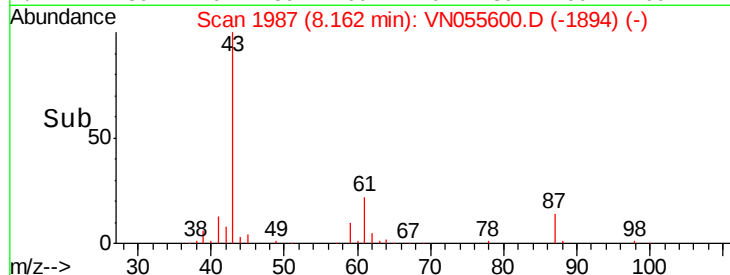
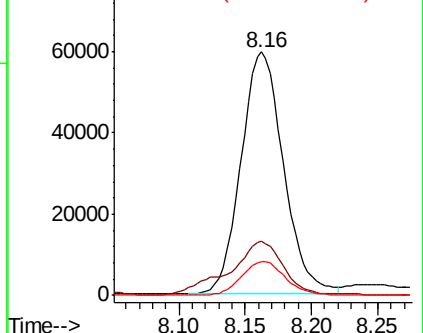
Isopropyl Acetate
 Concen: 25.838 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 132648
 Ion Ratio Lower Upper
 43 100
 61 28.5 22.1 33.1
 87 14.5 11.8 17.6



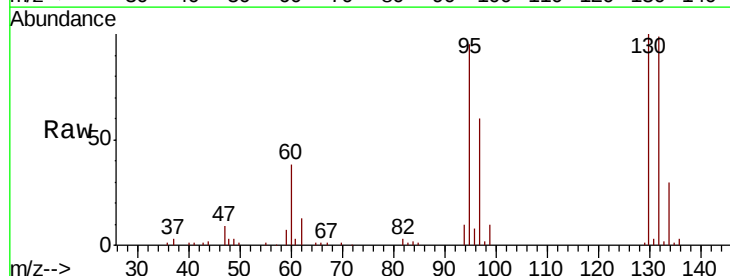
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



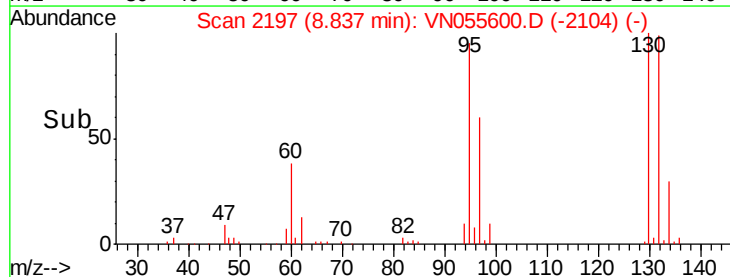
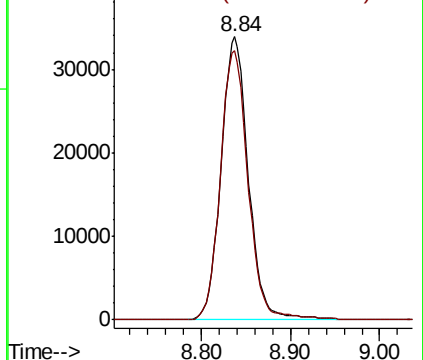
#44

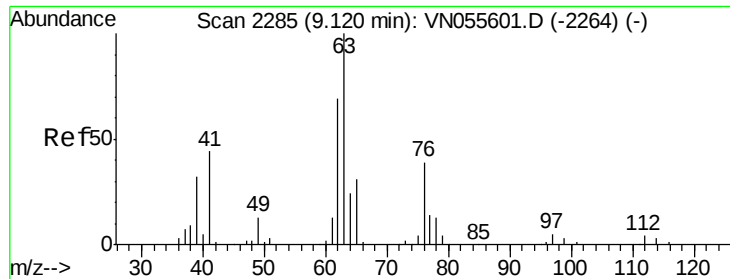
Trichloroethene
 Concen: 19.637 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion:130 Resp: 71767
 Ion Ratio Lower Upper
 130 100
 95 94.9 0.0 191.0



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

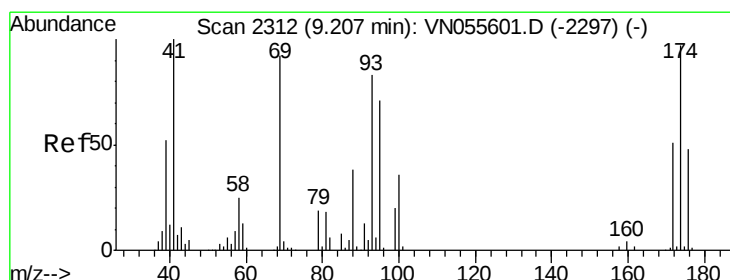
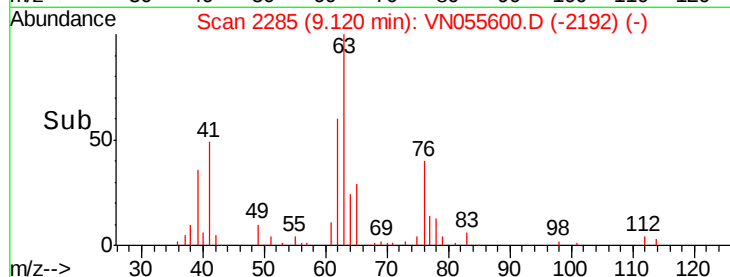
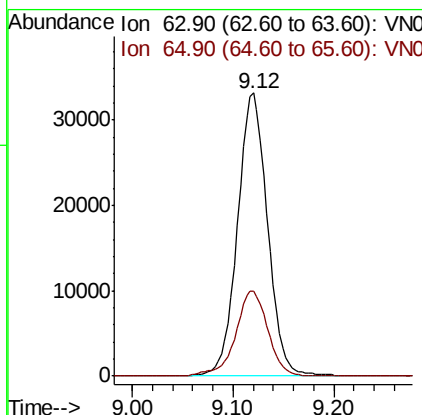
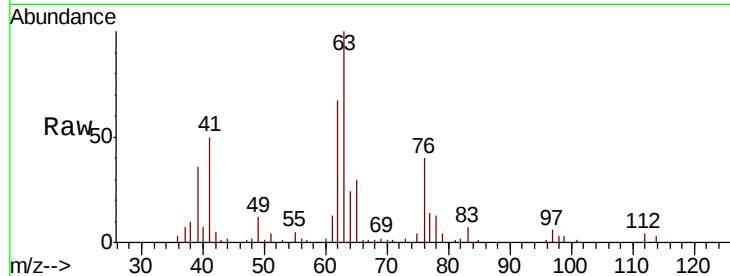




#45
 1,2-Dichloropropane
 Concen: 20.409 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

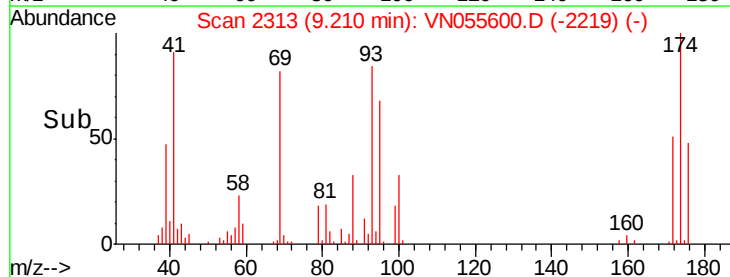
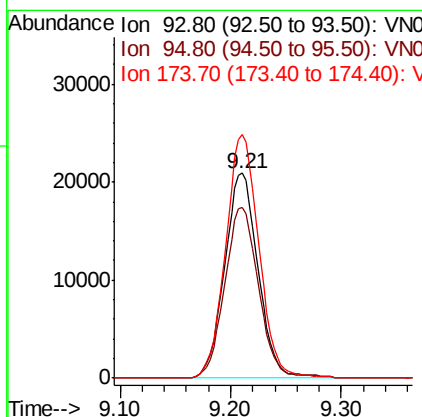
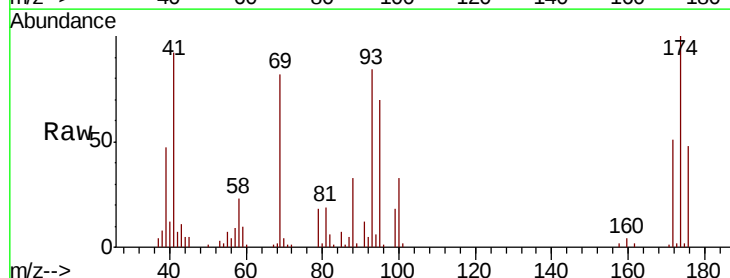
Instrument :
 MSVOA_N
 ClientSampled :

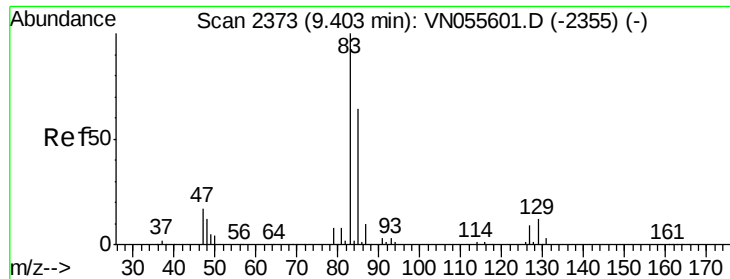
Tot Ion: 63 Resp: 68327
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.2 37.8



#46
 Dibromomethane
 Concen: 21.526 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion: 93 Resp: 44008
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.9 101.9
 174 117.9 93.8 140.6





#47

Bromodichloromethane

Concen: 21.070 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :

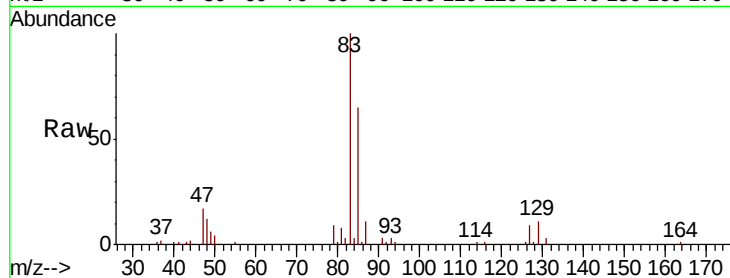
Tot Ion: 83 Resp: 90406

Ion Ratio Lower Upper

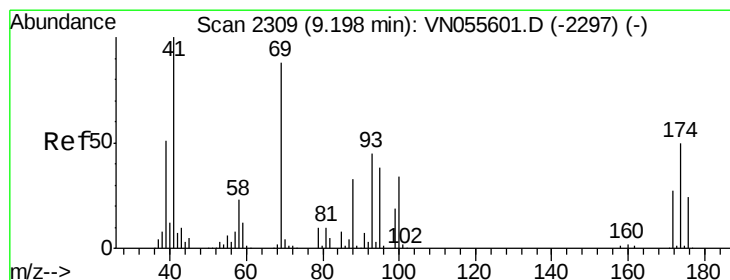
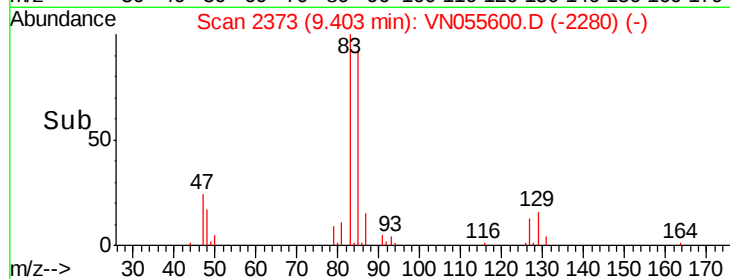
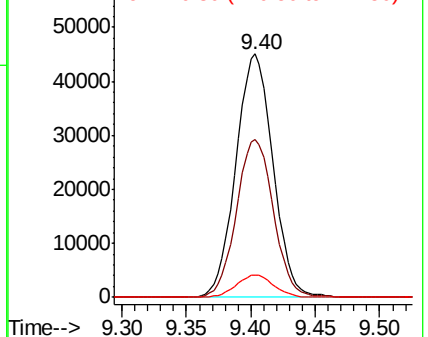
83 100

85 64.9 51.4 77.0

127 9.2 7.1 10.7



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



#48

Methyl methacrylate

Concen: 27.705 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

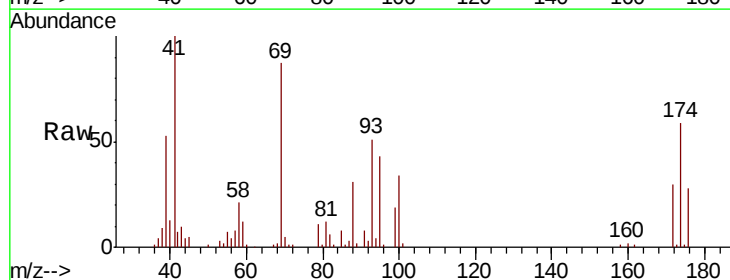
Tgt Ion: 41 Resp: 61230

Ion Ratio Lower Upper

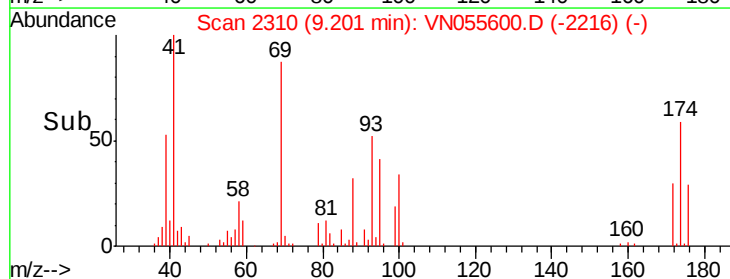
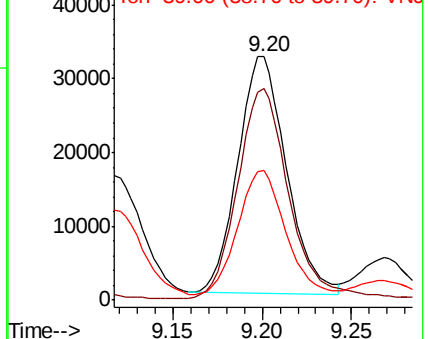
41 100

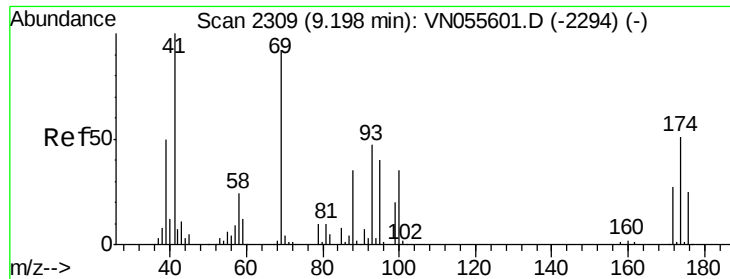
69 94.1 74.2 111.2

39 55.9 43.8 65.8



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

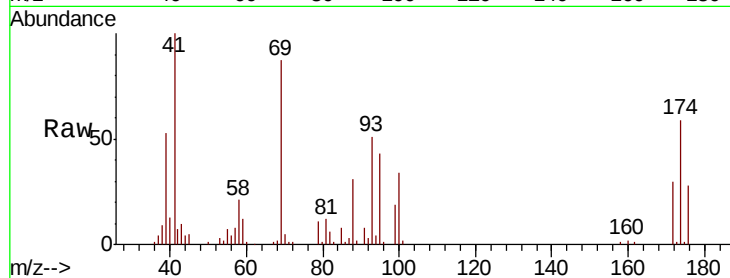




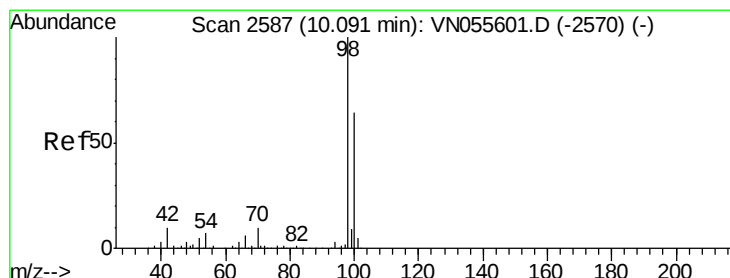
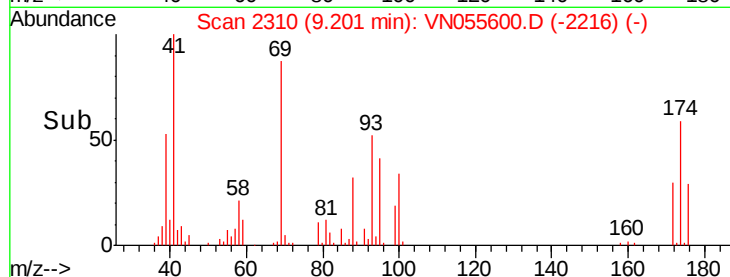
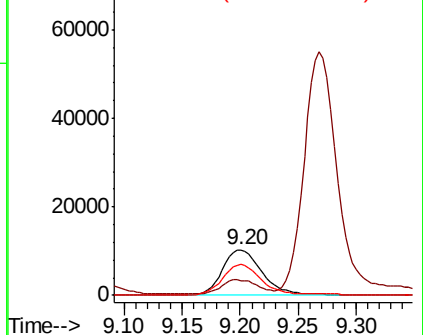
#49
 1,4-Dioxane
 Concen: 688.411 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 24662
 Ion Ratio Lower Upper
 88 100
 43 27.0 22.4 33.6
 58 65.9 53.4 80.2

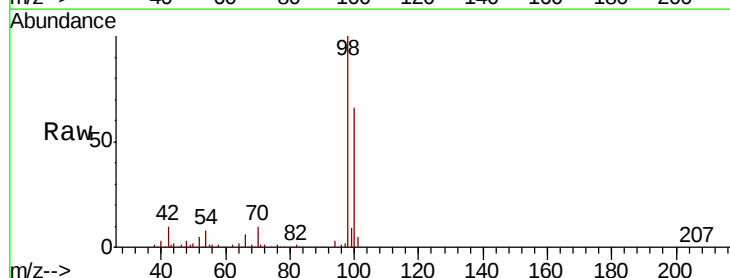


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

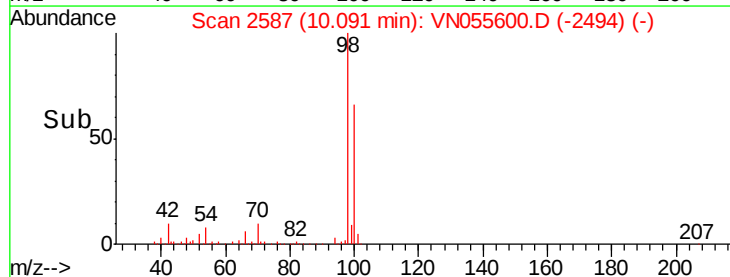
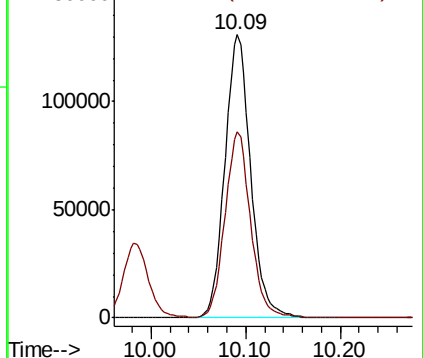


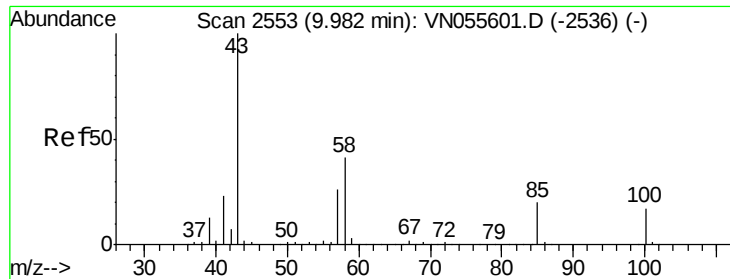
#50
 Toluene-d8
 Concen: 21.721 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion: 98 Resp: 248162
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.9 77.9



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: 161.370 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

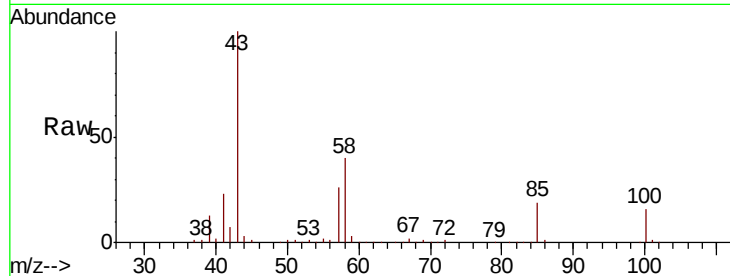
ClientSampleId :

Tot Ion: 43 Resp: 394944

Ion Ratio Lower Upper

43 100

58 40.7 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

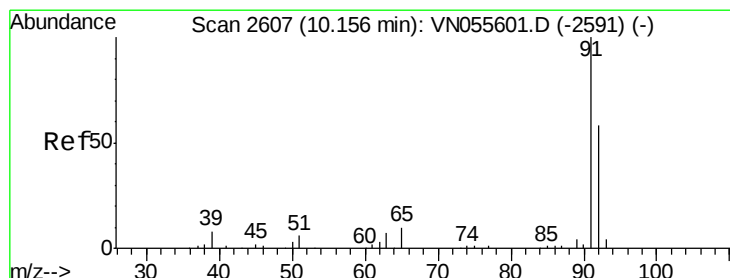
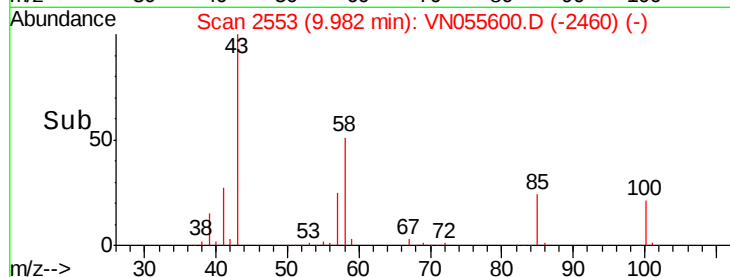
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.288 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055600.D

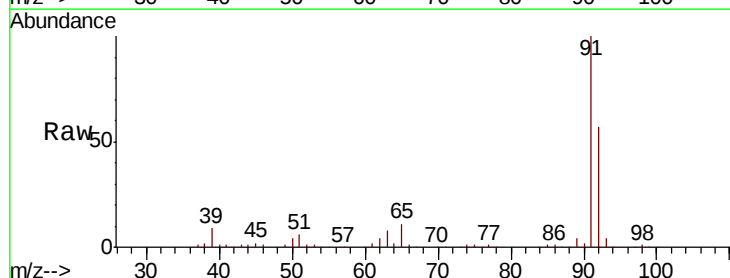
Acq: 17 May 2019 10:16

Tgt Ion: 92 Resp: 156361

Ion Ratio Lower Upper

92 100

91 175.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

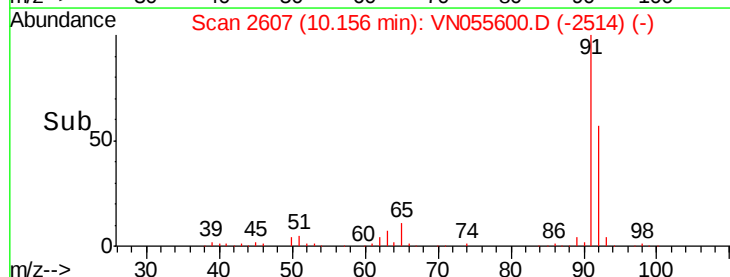
50000

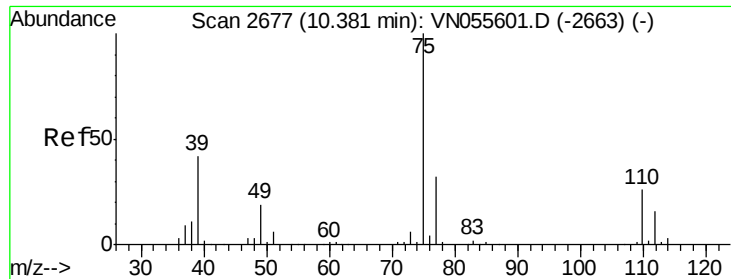
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 23.257 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

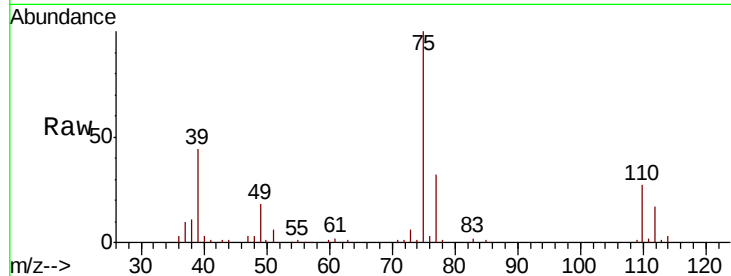
ClientSampleId :

Tot Ion: 75 Resp: 98451

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

60000

50000

40000

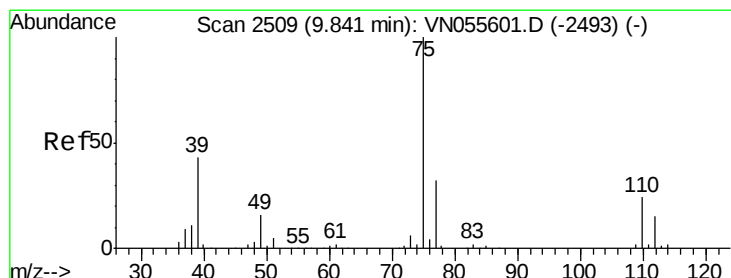
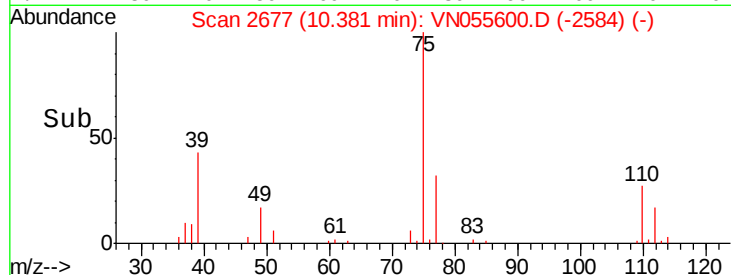
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.500 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

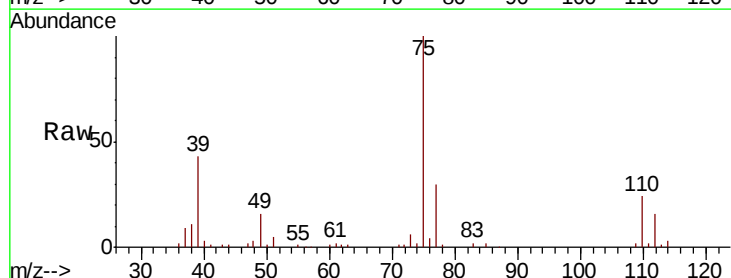
Tgt Ion: 75 Resp: 109854

Ion Ratio Lower Upper

75 100

77 30.3 25.7 38.5

39 43.0 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

80000

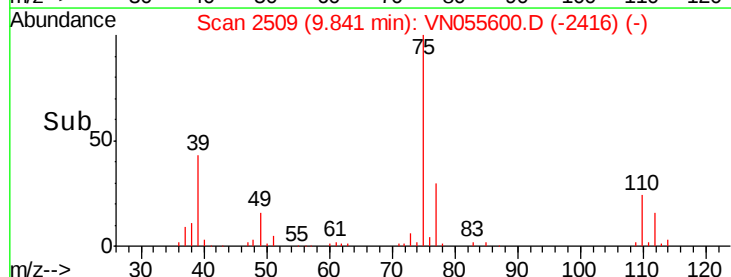
60000

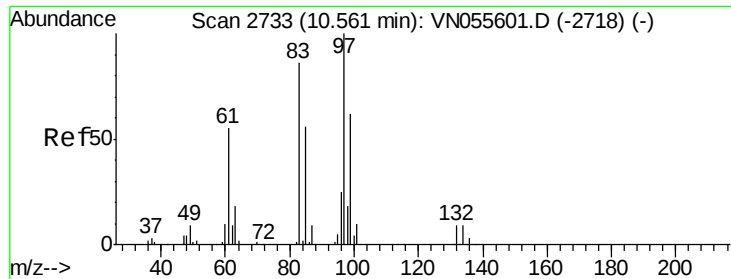
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.545 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 64880

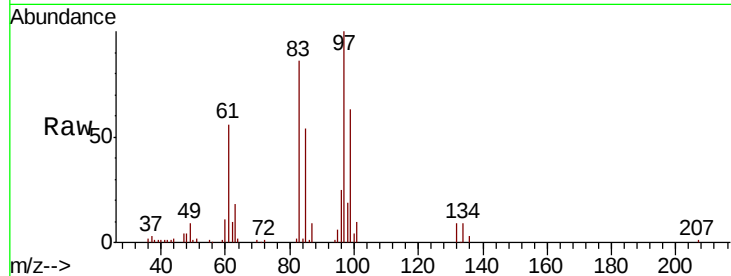
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.4	102.6
85	54.4	44.8	67.2
99	62.5	49.9	74.9

97 100

83 85.6 68.4 102.6

85 54.4 44.8 67.2

99 62.5 49.9 74.9



Abundance

Ion 96.90 (96.60 to 97.60): VN0

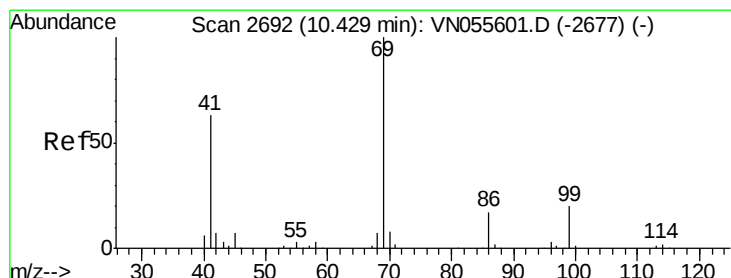
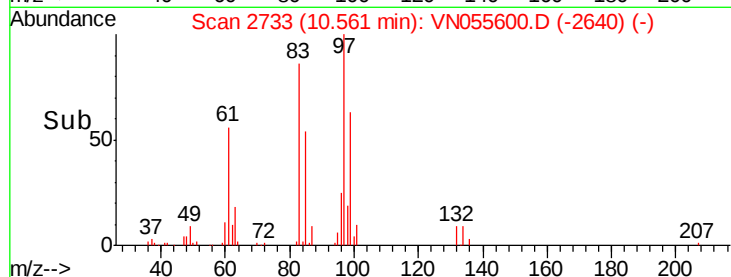
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 28.966 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

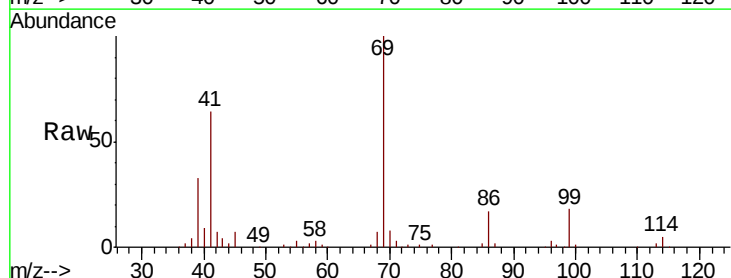
Tgt Ion: 69 Resp: 99674

Ion	Ratio	Lower	Upper
69	100		
41	62.5	50.3	75.5
39	32.4	25.4	38.2

69 100

41 62.5 50.3 75.5

39 32.4 25.4 38.2



Abundance

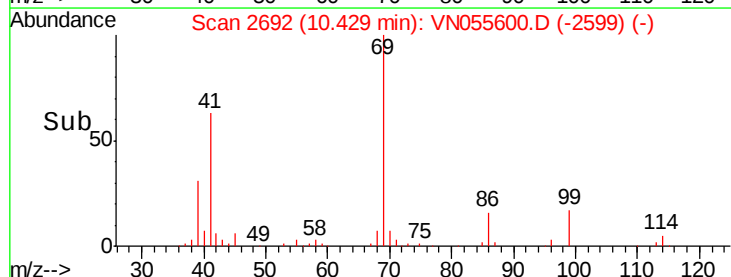
Ion 69.00 (68.70 to 69.70): VN0

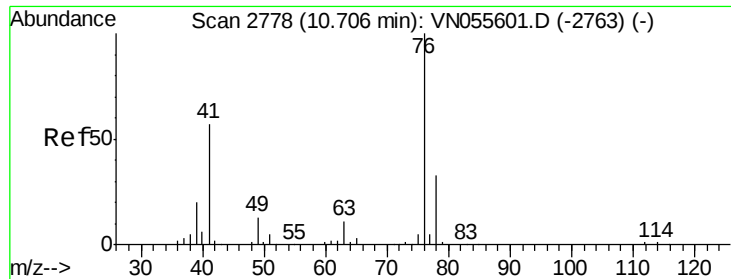
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->

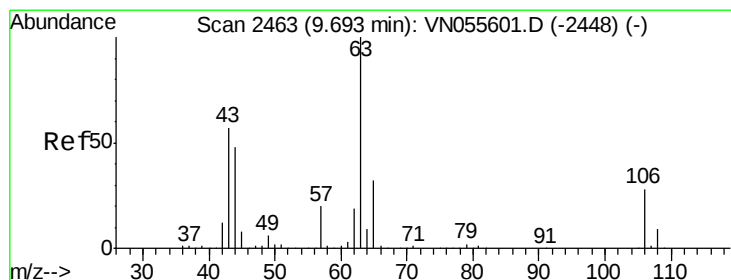
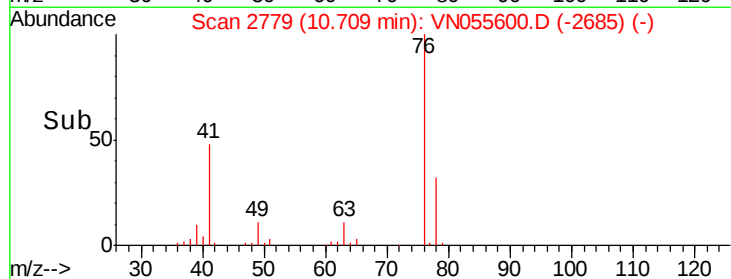
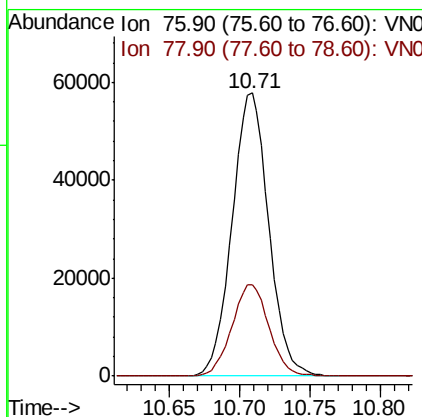
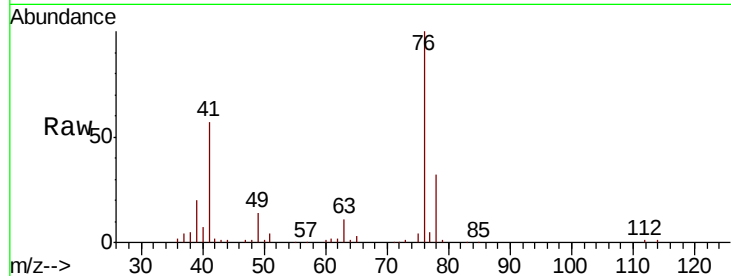




#57
 1,3-Dichloropropane
 Concen: 22.010 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

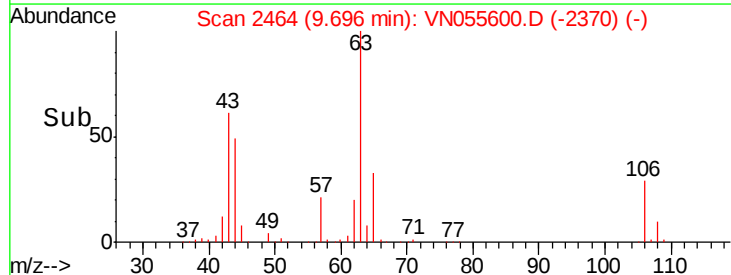
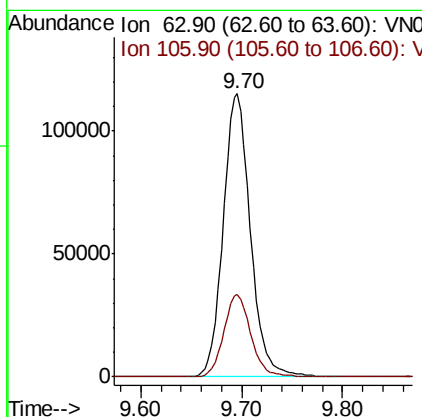
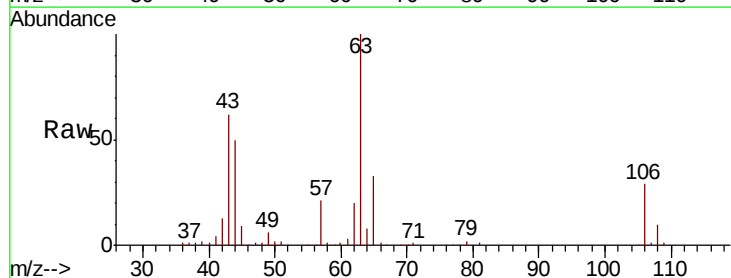
Instrument :
 MSVOA_N
 ClientSampleId :

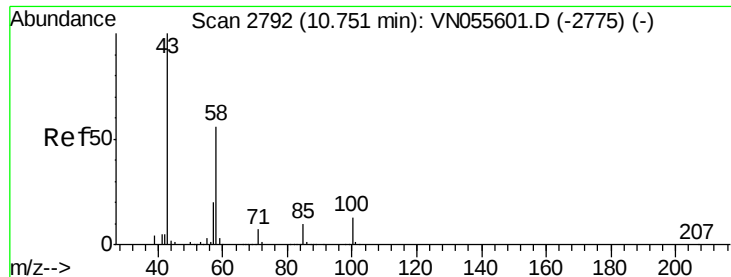
Tot Ion: 76 Resp: 104913
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 143.234 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion: 63 Resp: 217051
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.6

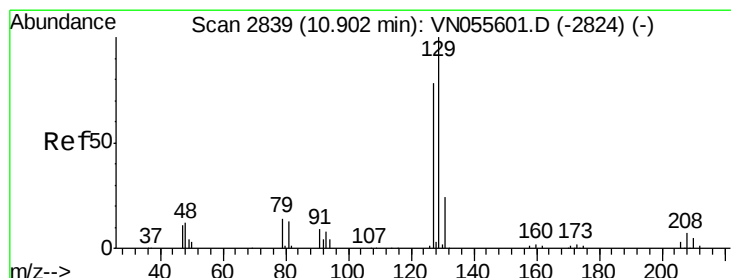
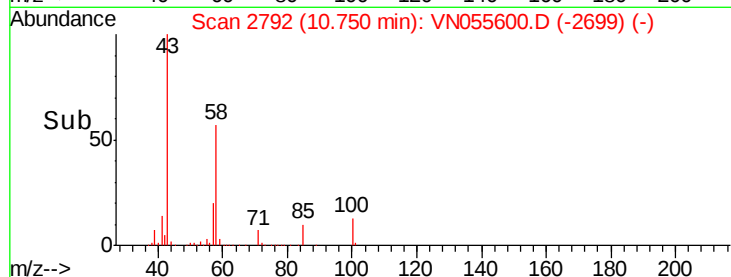
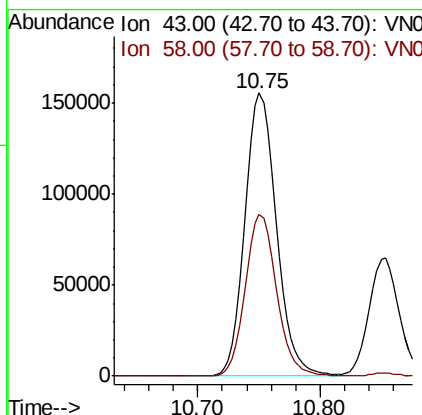
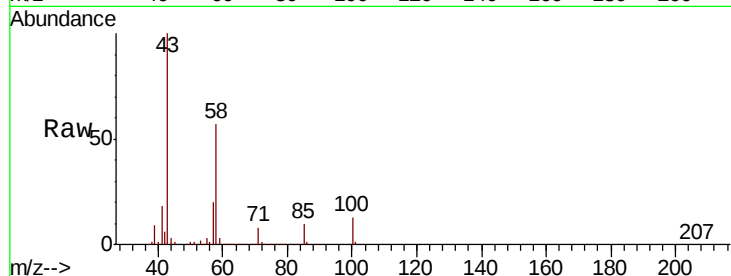




#59
2-Hexanone
Concen: 163.530 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

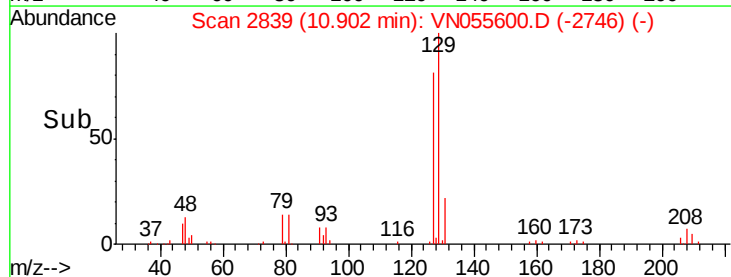
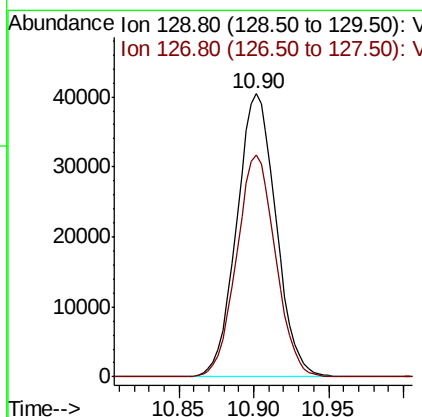
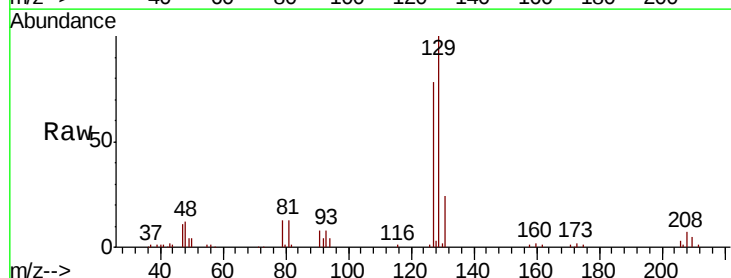
Instrument :
MSVOA_N
ClientSampleId :

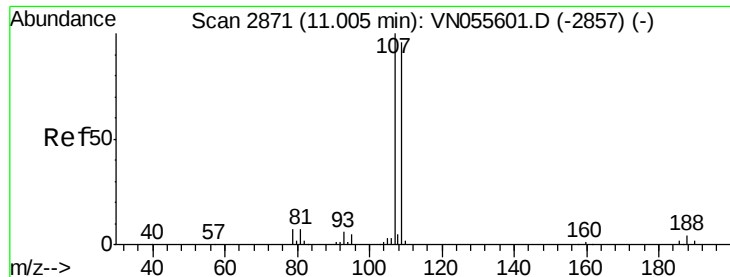
Tot Ion: 43 Resp: 275063
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.4



#60
Dibromochloromethane
Concen: 22.194 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 129 Resp: 74021
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

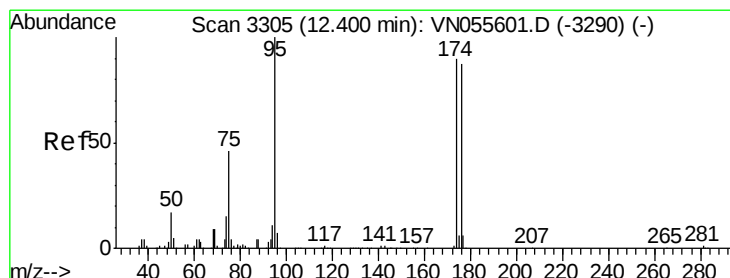
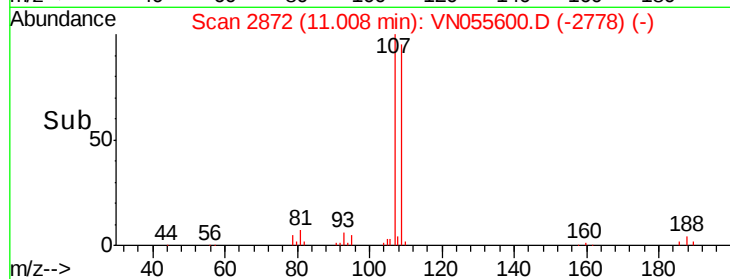
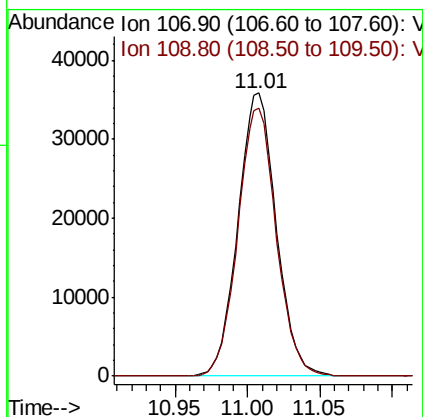
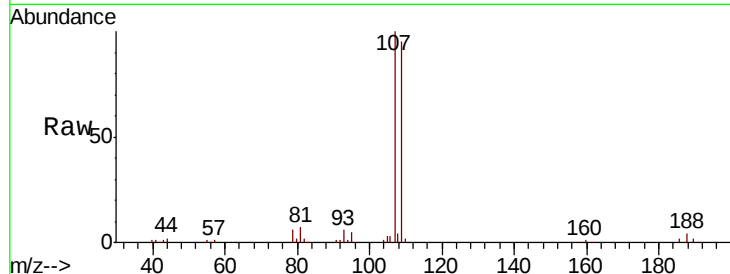




#61
 1,2-Dibromoethane
 Concen: 22.938 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

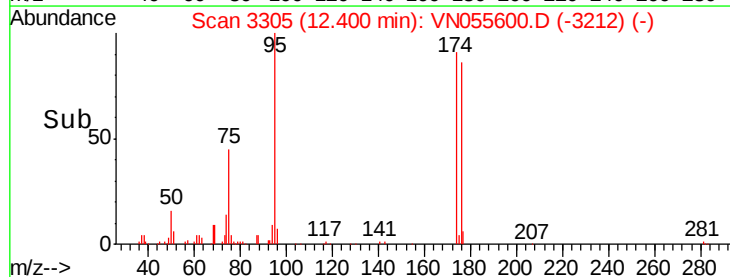
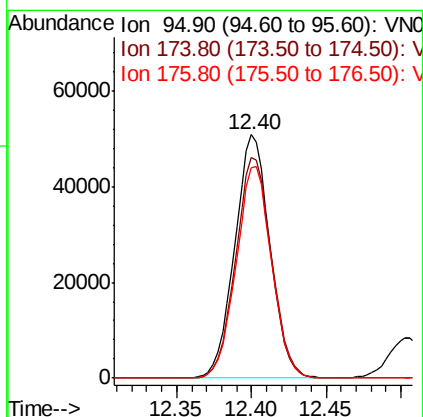
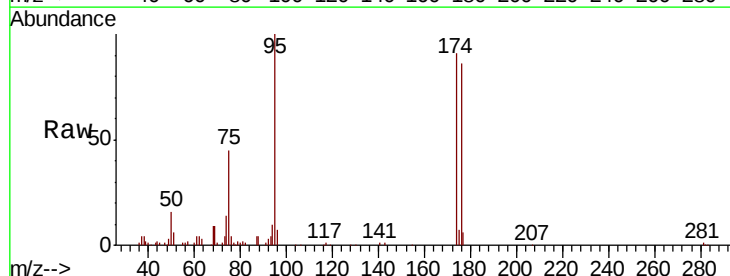
Instrument :
 MSVOA_N
 ClientSampleId :

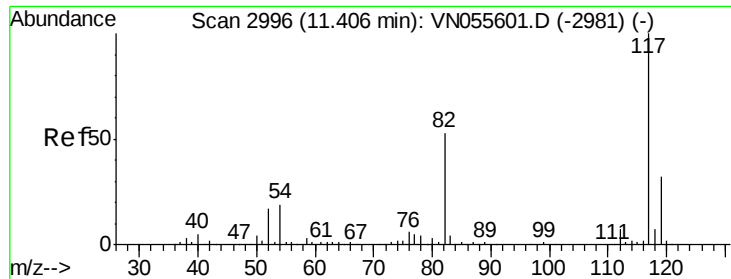
Tot Ion:107 Resp: 65747
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 22.065 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion: 95 Resp: 83444
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 180.6
 176 87.5 0.0 177.4

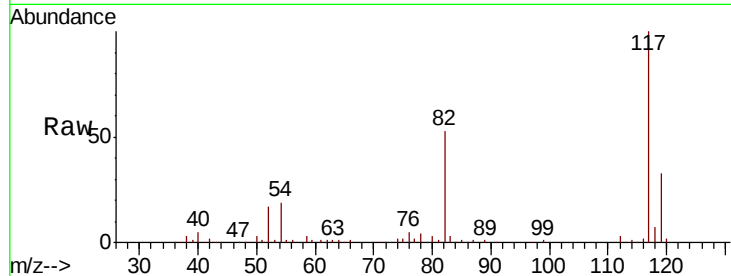




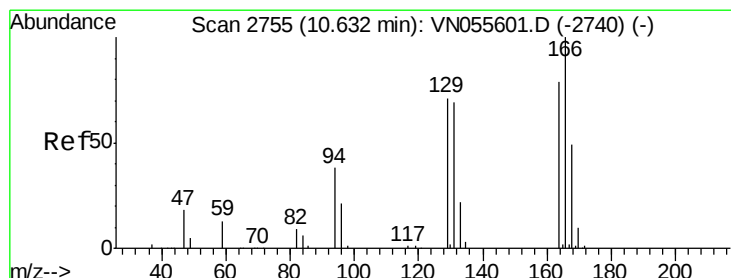
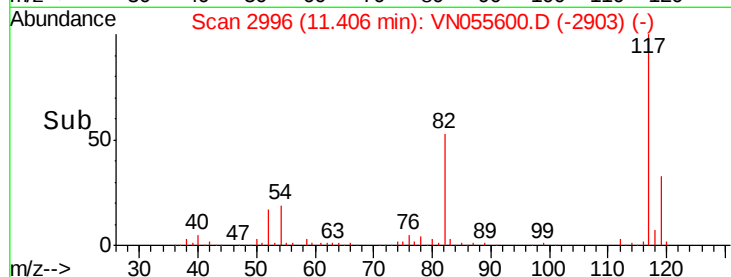
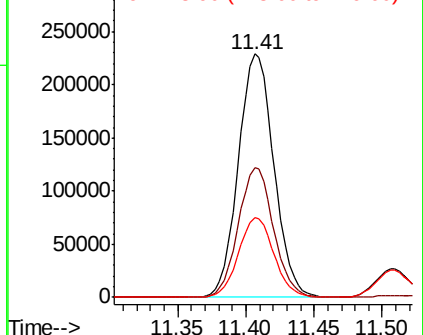
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 414315
Ion Ratio Lower Upper
117 100
82 53.4 42.3 63.5
119 32.8 25.4 38.2

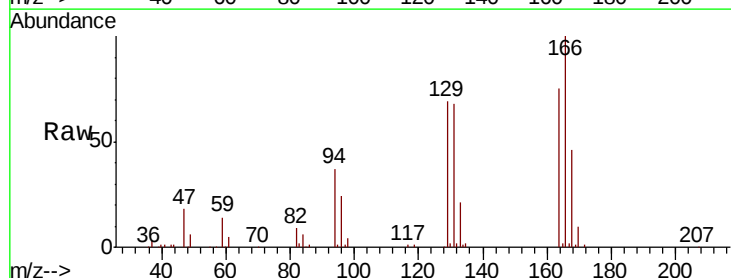


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

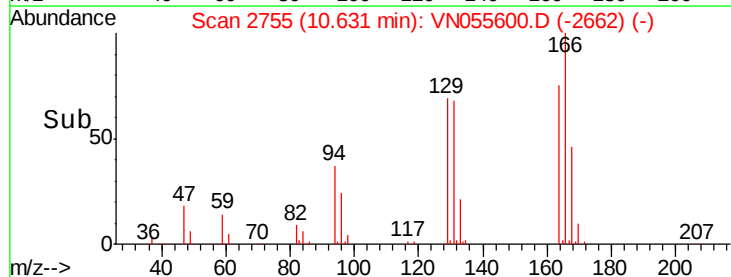
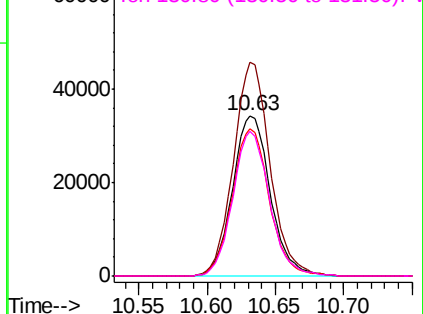


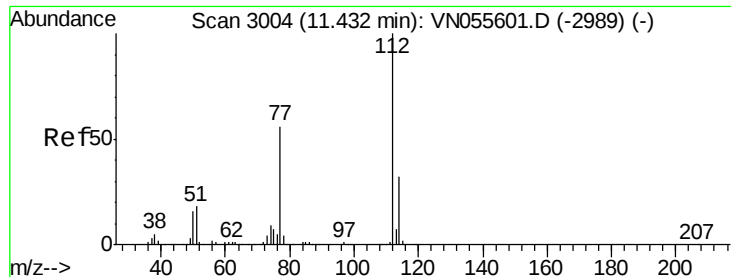
#64
Tetrachloroethene
Concen: 18.073 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion:164 Resp: 65875
Ion Ratio Lower Upper
164 100
166 133.4 101.0 151.6
129 91.9 71.7 107.5
131 90.5 69.6 104.4



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





#65

Chlorobenzene

Concen: 19.153 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

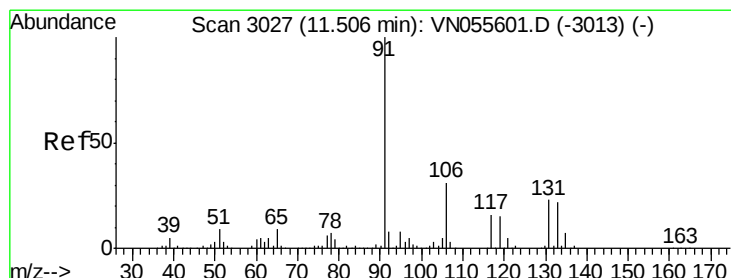
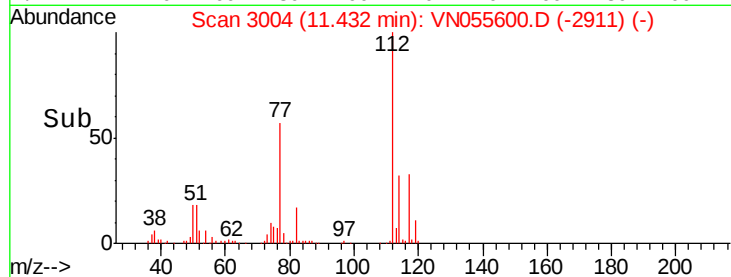
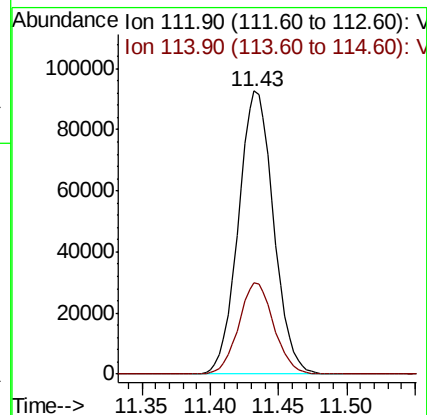
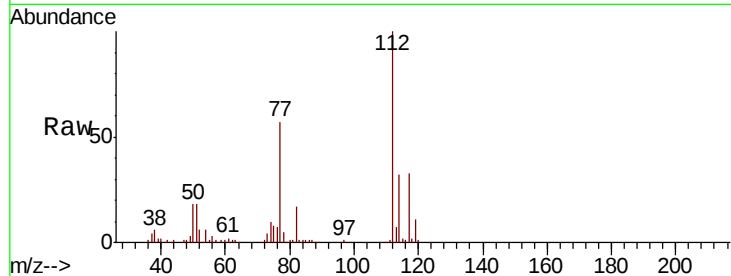
ClientSampleId :

Tot Ion:112 Resp: 165614

Ion Ratio Lower Upper

112 100

114 32.4 25.6 38.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.303 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

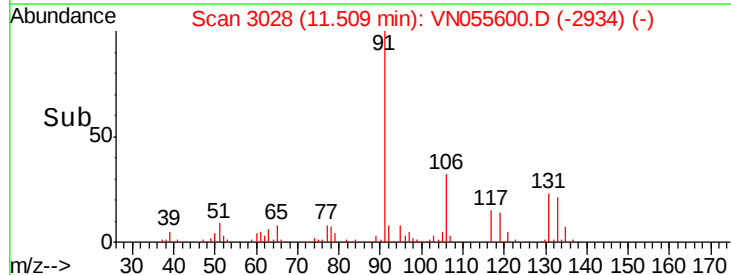
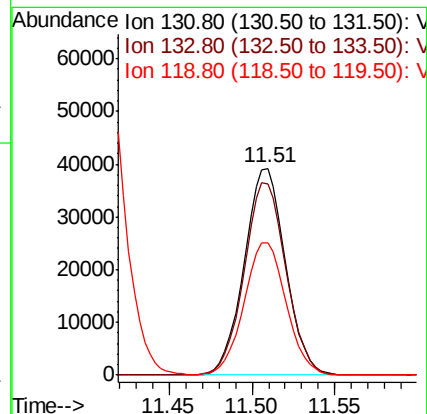
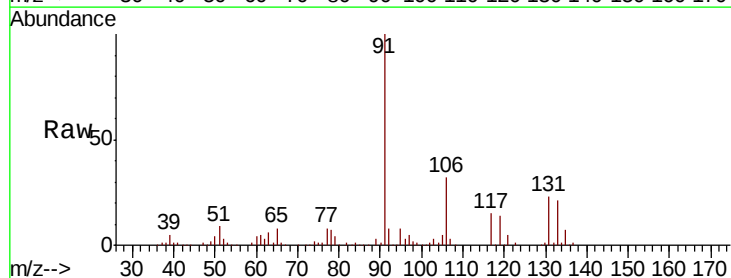
Tgt Ion:131 Resp: 67834

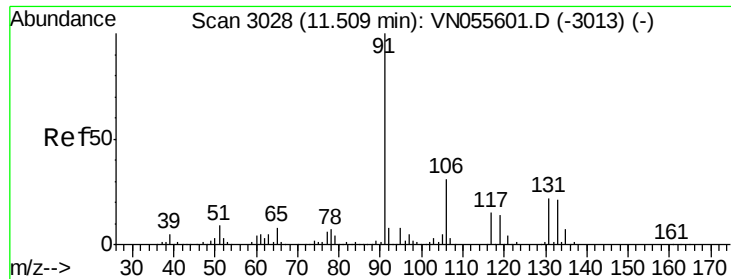
Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.4

119 65.7 33.3 99.8





#67

Ethyl Benzene

Concen: 20.987 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

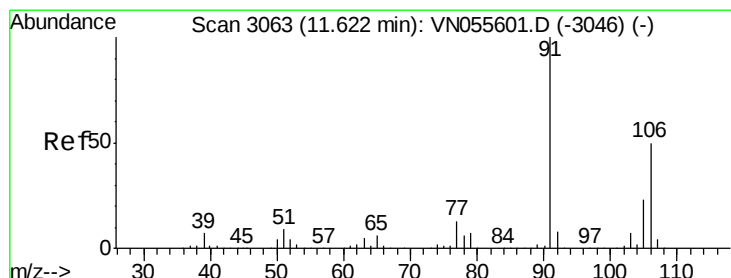
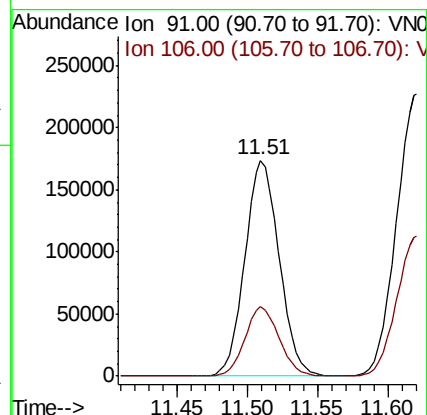
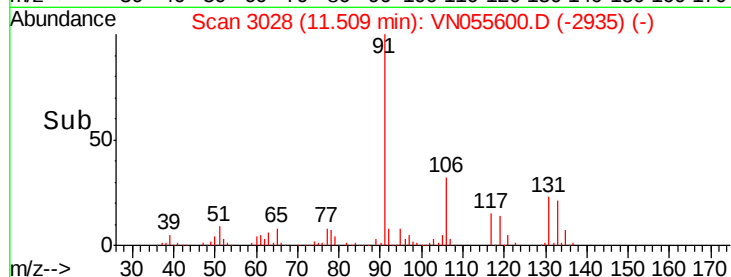
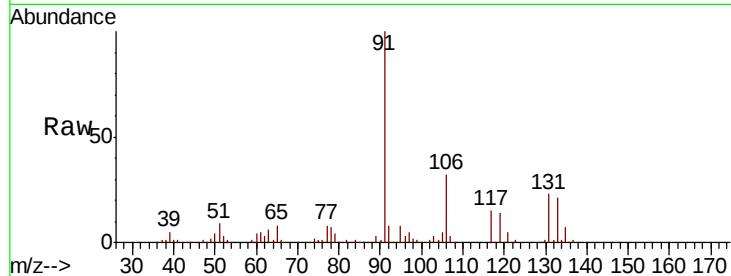
ClientSampled :

Tot Ion: 91 Resp: 295927

Ion Ratio Lower Upper

91 100

106 32.0 25.2 37.8



#68

m/p-Xylenes

Concen: 41.134 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055600.D

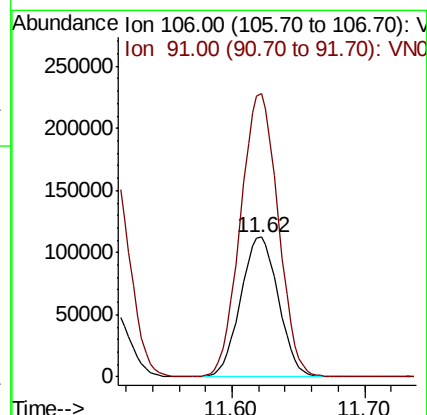
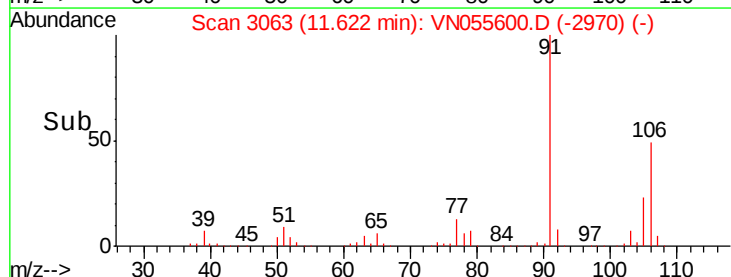
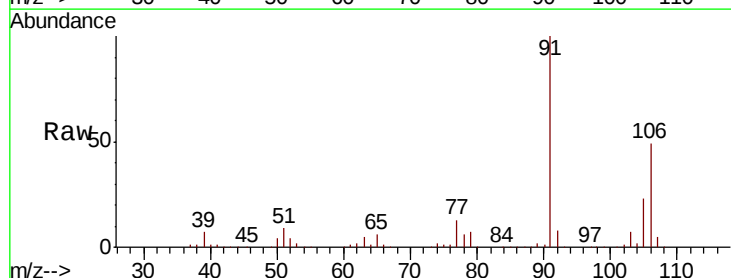
Acq: 17 May 2019 10:16

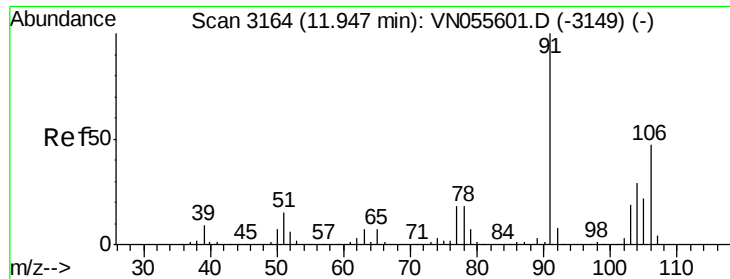
Tgt Ion: 106 Resp: 223114

Ion Ratio Lower Upper

106 100

91 202.1 160.5 240.7

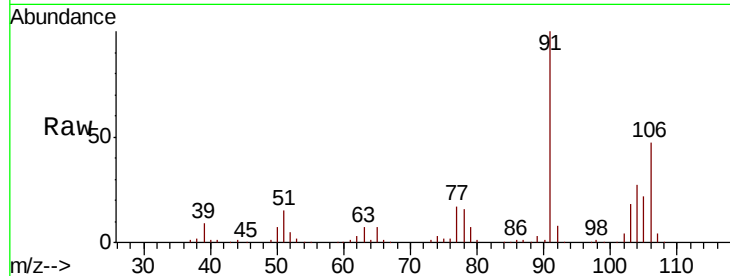




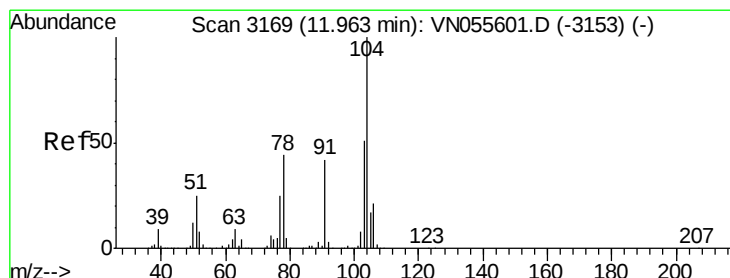
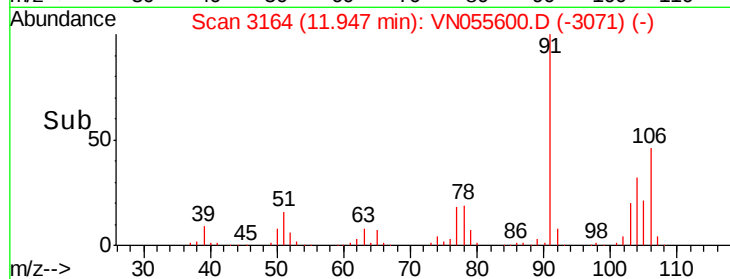
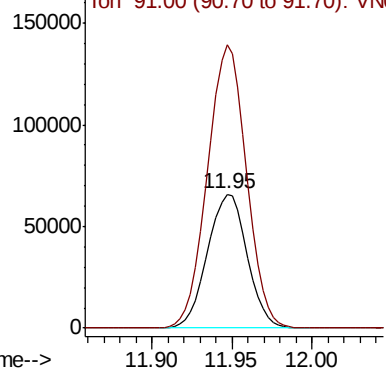
#69
o-Xylene
Concen: 21.238 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 111129
Ion Ratio Lower Upper
106 100
91 208.2 106.7 320.2

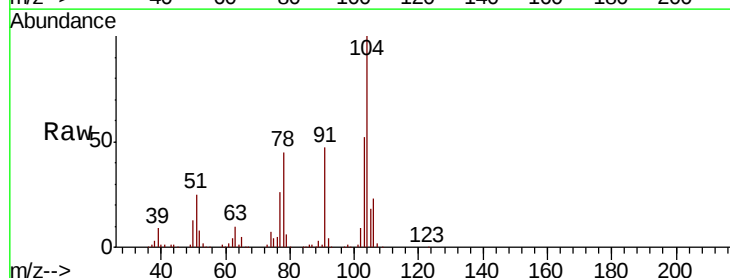


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

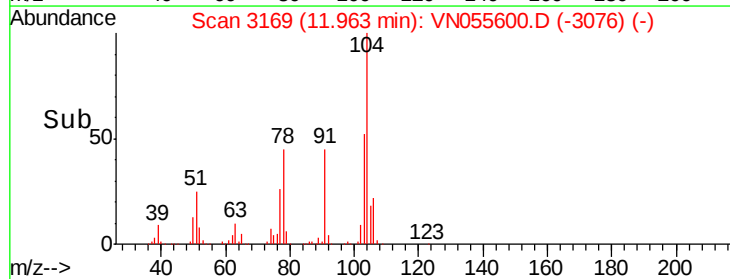
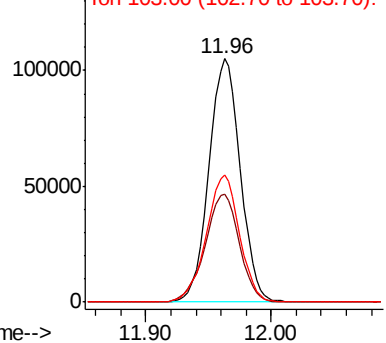


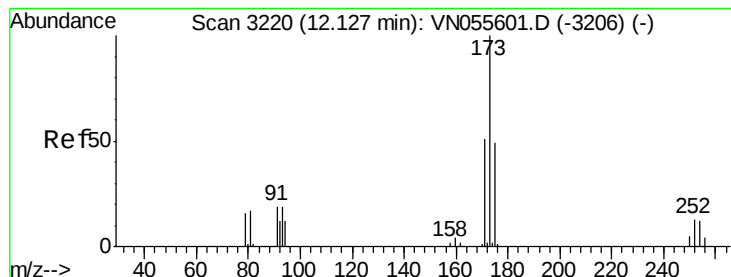
#70
Styrene
Concen: 22.057 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion:104 Resp: 182826
Ion Ratio Lower Upper
104 100
78 48.2 38.6 58.0
103 55.0 44.4 66.6



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





#71

Bromoform

Concen: 24.476 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

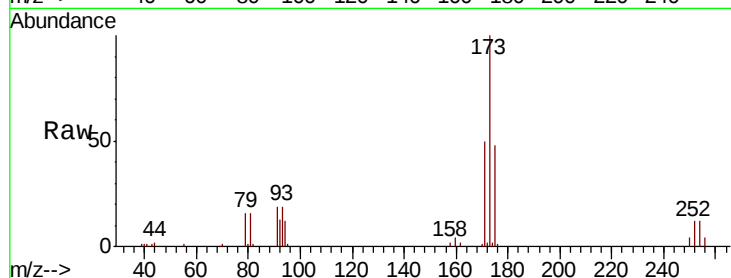
Tot Ion:173 Resp: 57556

Ion Ratio Lower Upper

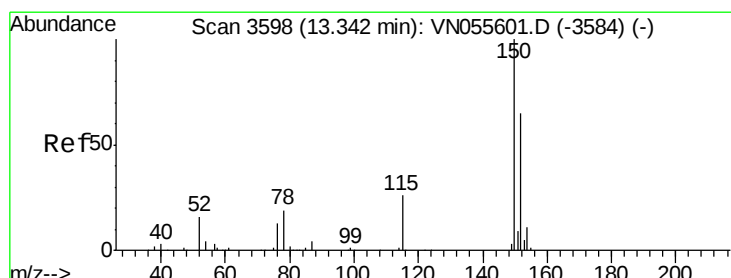
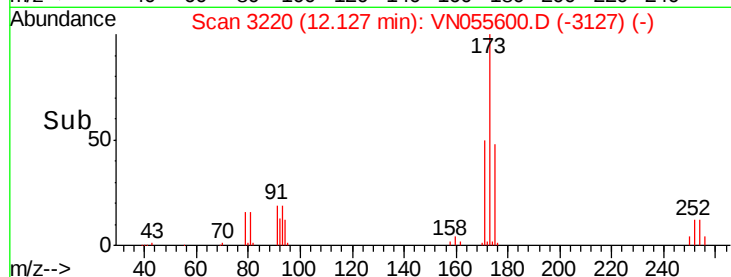
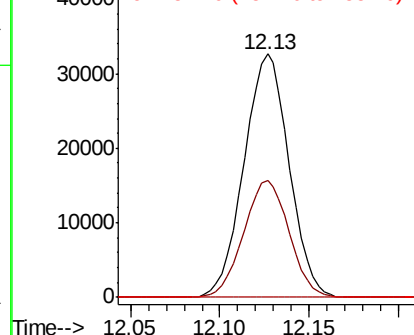
173 100

175 48.4 24.3 72.9

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: VN055600.D

Acq: 17 May 2019 10:16

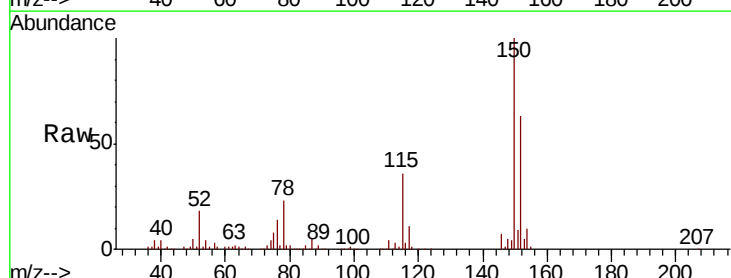
Tgt Ion:152 Resp: 182440

Ion Ratio Lower Upper

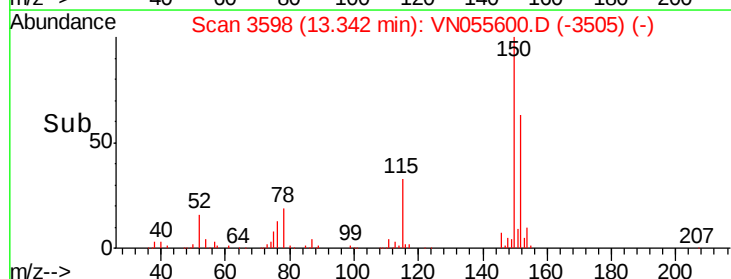
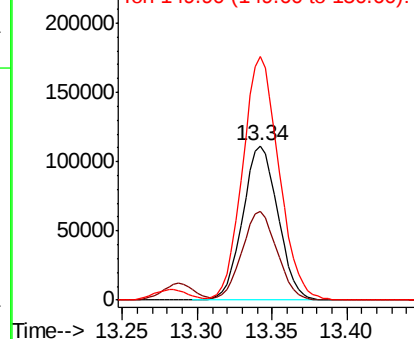
152 100

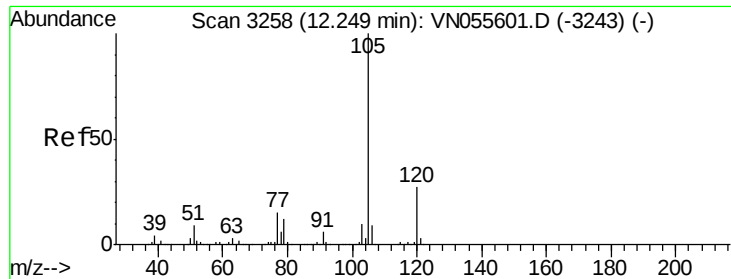
115 57.0 28.1 84.2

150 163.1 0.0 348.0



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: 22.626 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

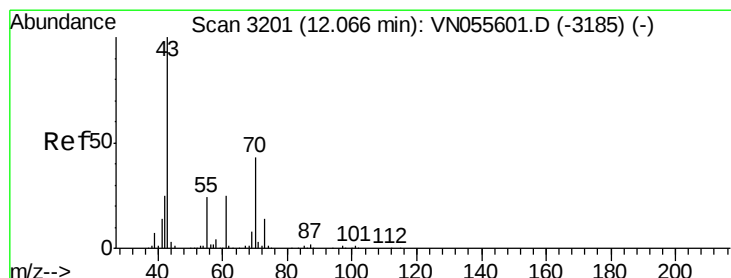
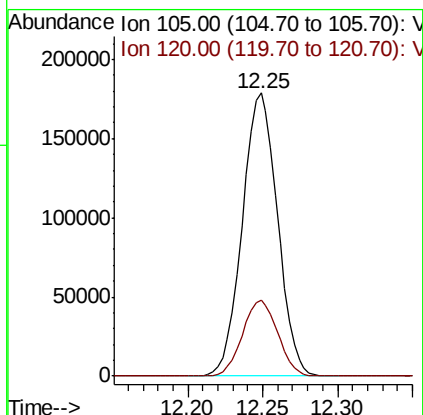
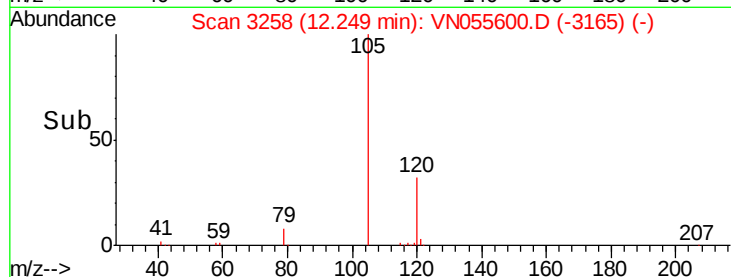
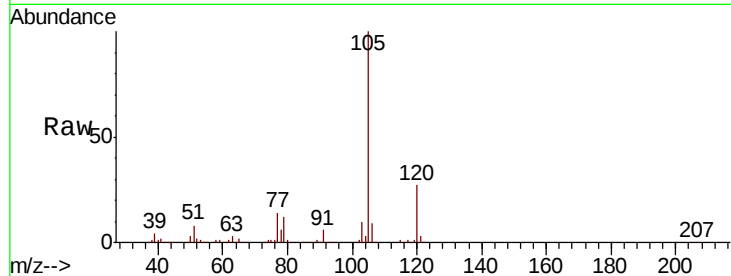
ClientSampleId :

Tot Ion:105 Resp: 292424

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 31.316 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Tgt Ion: 43 Resp: 103325

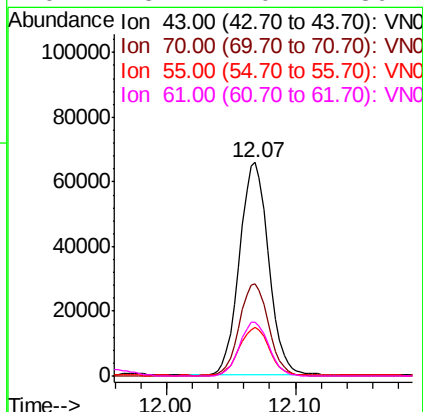
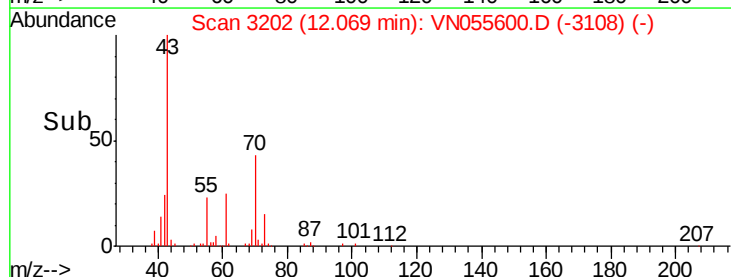
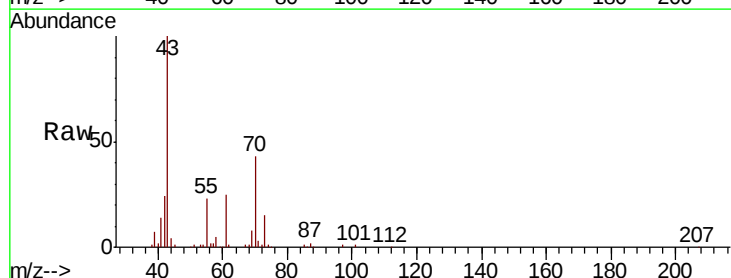
Ion Ratio Lower Upper

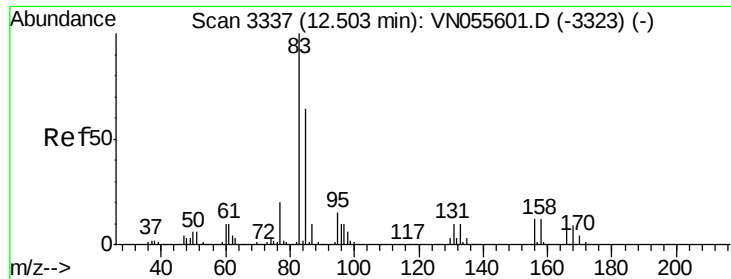
43 100

70 43.9 35.0 52.6

55 23.1 18.9 28.3

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 27.521 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

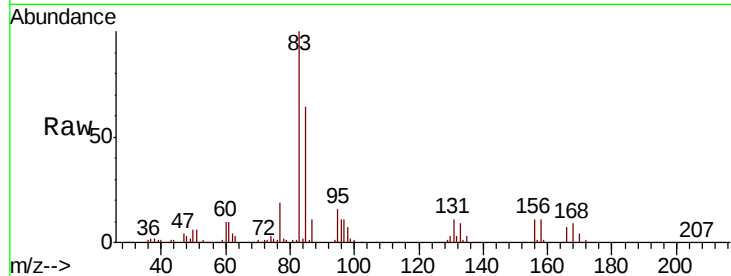
Tot Ion: 83 Resp: 88820

Ion Ratio Lower Upper

83 100

131 11.1 5.3 16.1

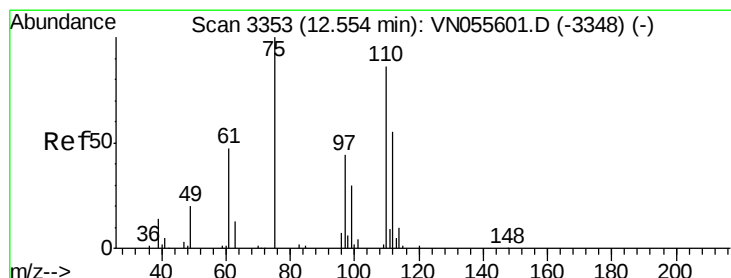
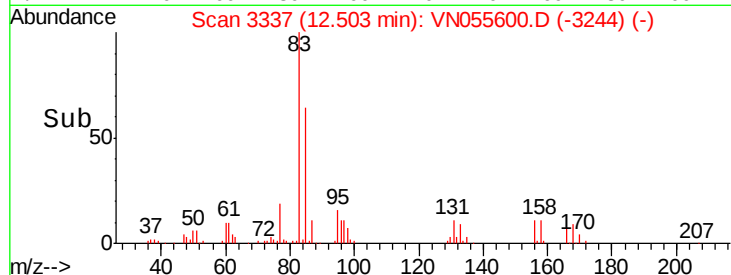
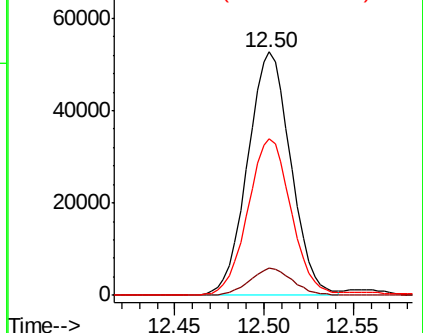
85 64.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 38.953 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055600.D

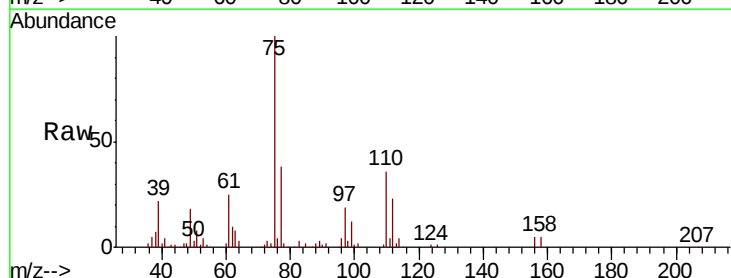
Acq: 17 May 2019 10:16

Tgt Ion: 75 Resp: 109186

Ion Ratio Lower Upper

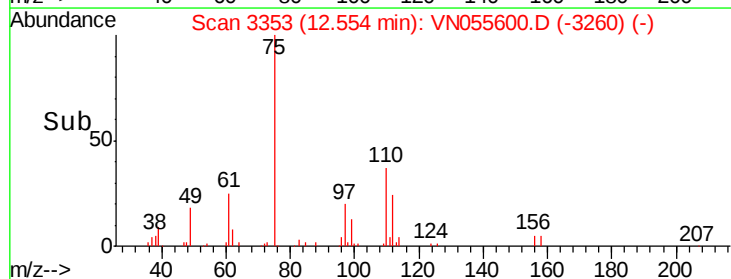
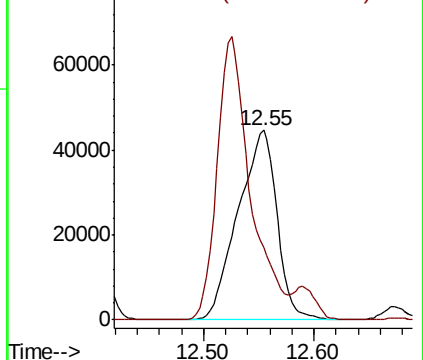
75 100

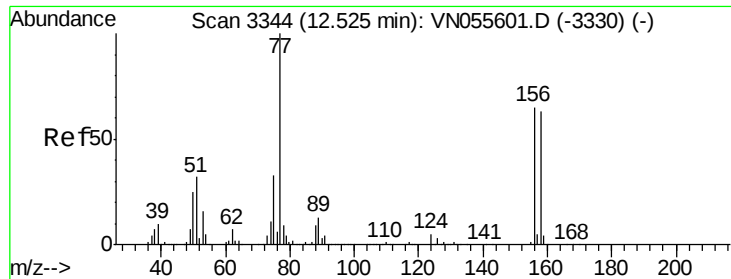
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.642 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

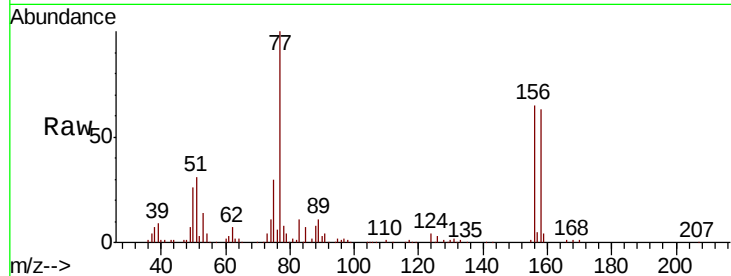
Tot Ion:156 Resp: 74756

Ion Ratio Lower Upper

156 100

77 186.3 94.5 283.5

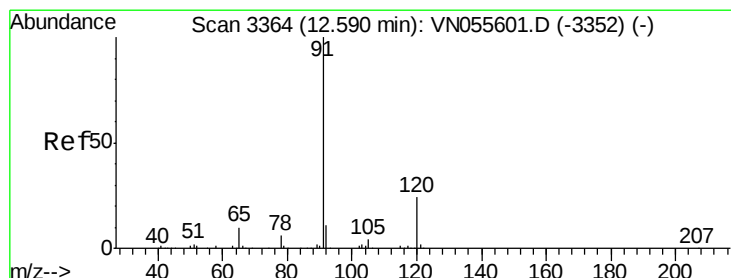
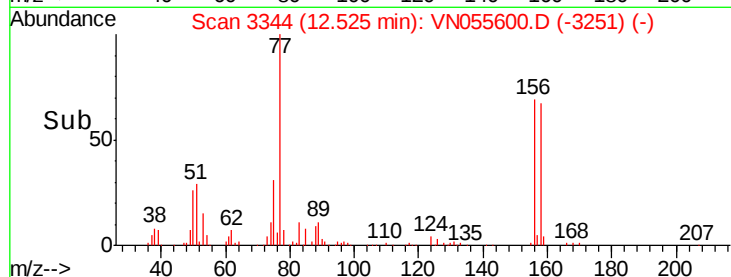
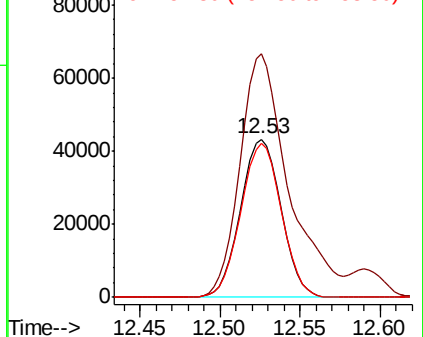
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.028 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055600.D

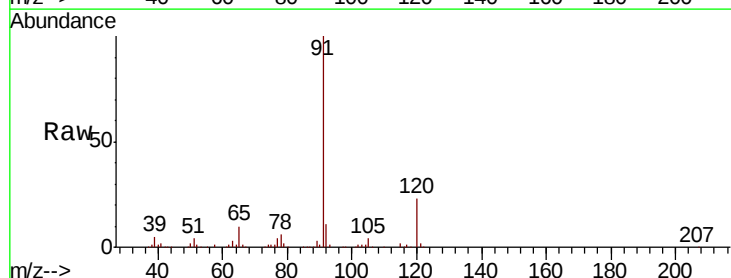
Acq: 17 May 2019 10:16

Tgt Ion: 91 Resp: 316779

Ion Ratio Lower Upper

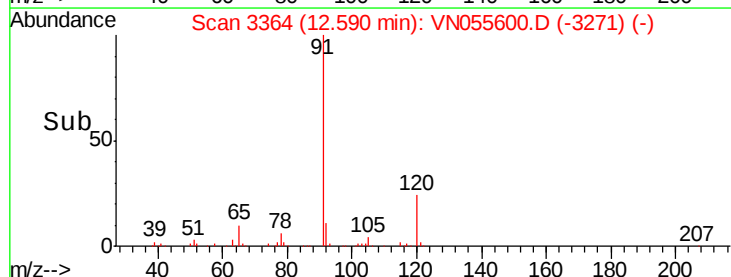
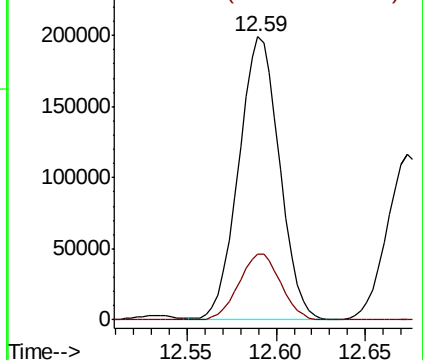
91 100

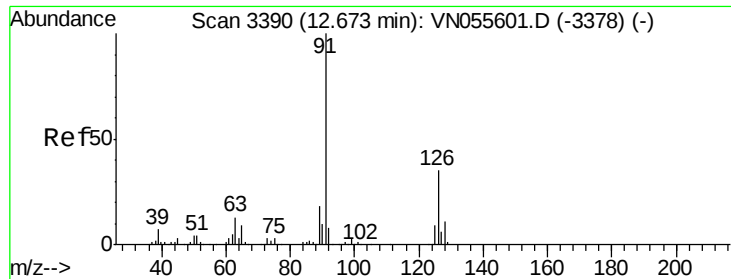
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.943 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

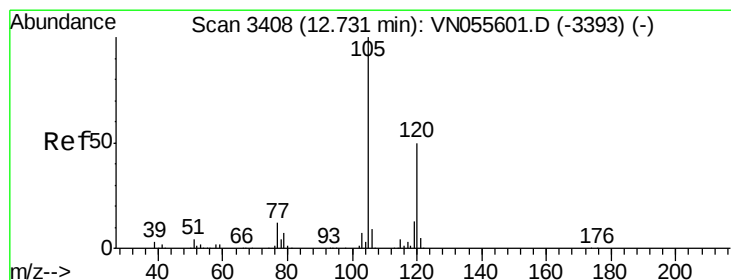
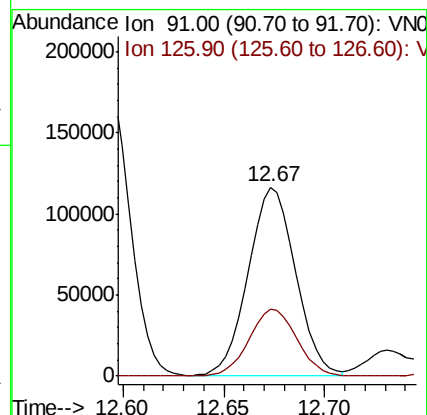
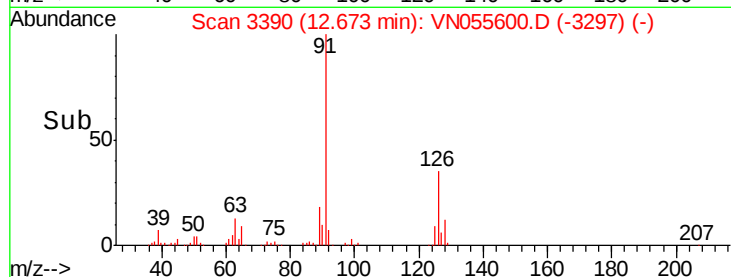
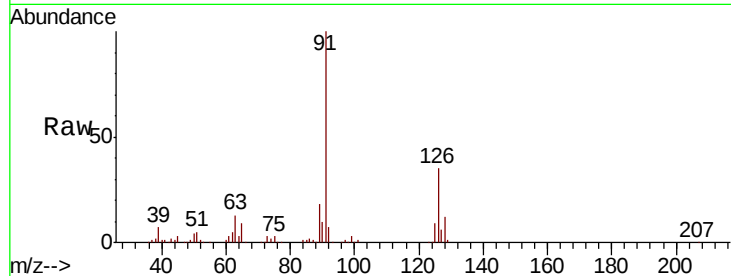
ClientSampleId :

Tot Ion: 91 Resp: 190749

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 22.772 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055600.D

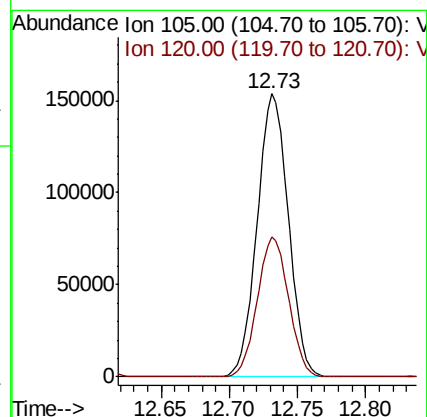
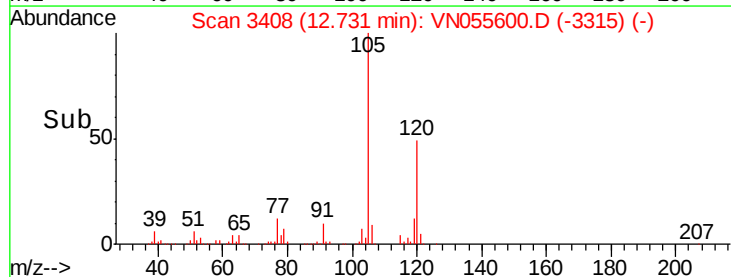
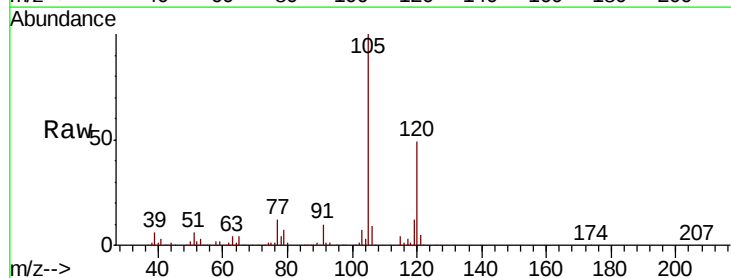
Acq: 17 May 2019 10:16

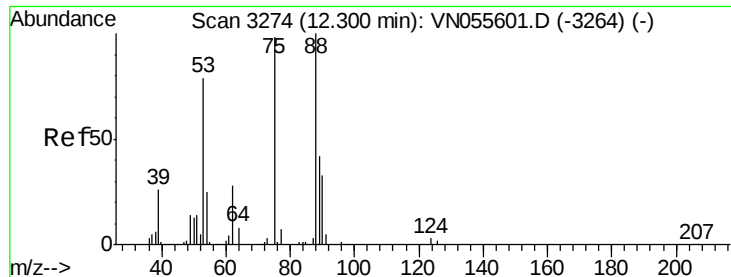
Tgt Ion: 105 Resp: 244061

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 32.120 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

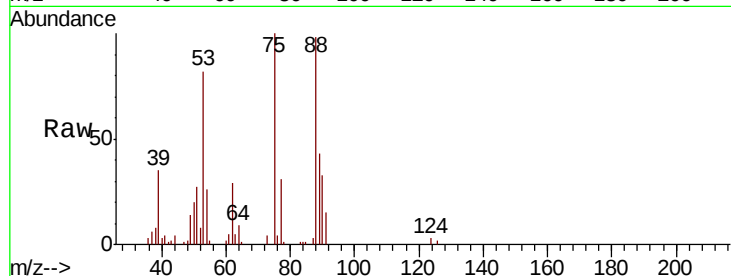
Tot Ion: 75 Resp: 29141

Ion Ratio Lower Upper

75 100

53 81.0 65.1 97.7

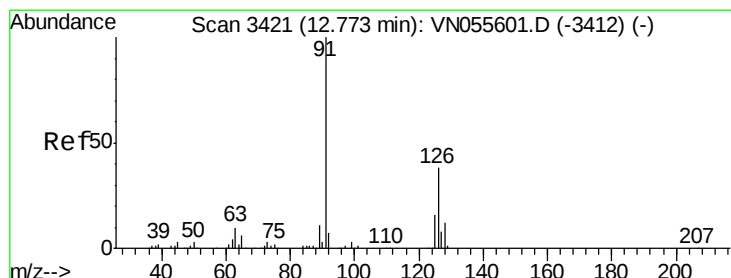
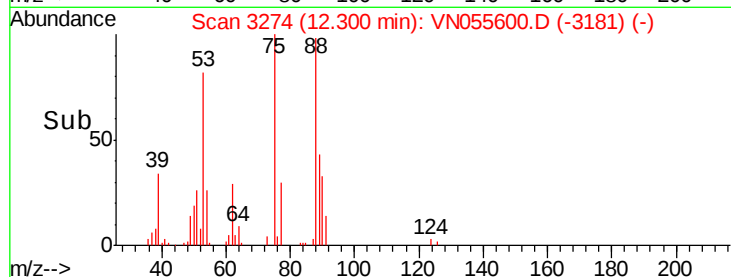
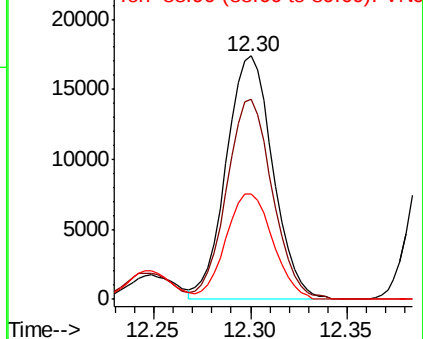
89 43.7 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.379 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055600.D

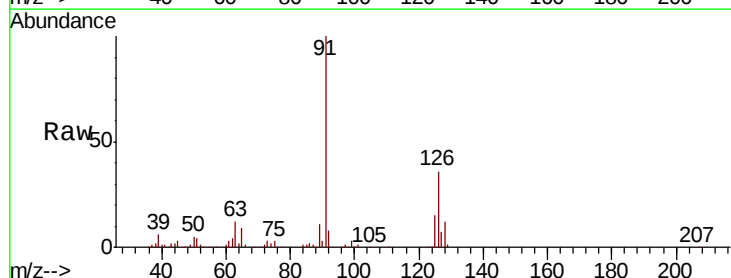
Acq: 17 May 2019 10:16

Tgt Ion: 91 Resp: 184871

Ion Ratio Lower Upper

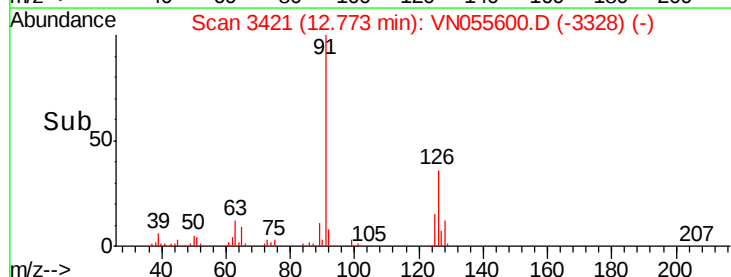
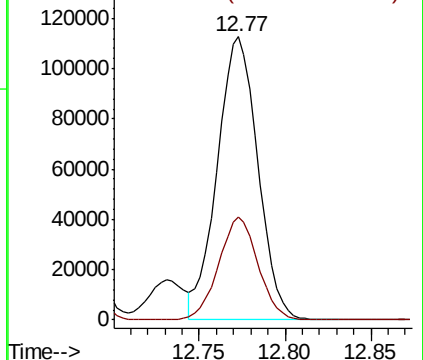
91 100

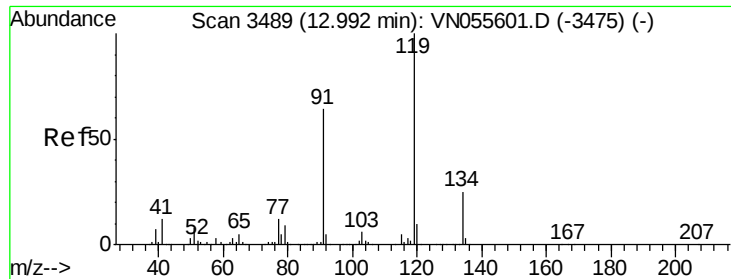
126 35.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

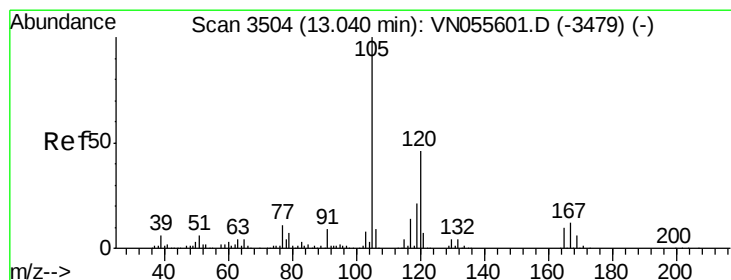
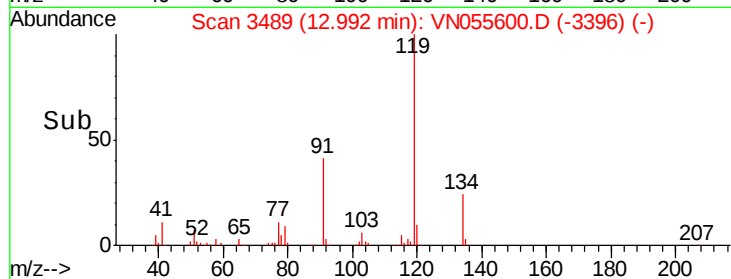
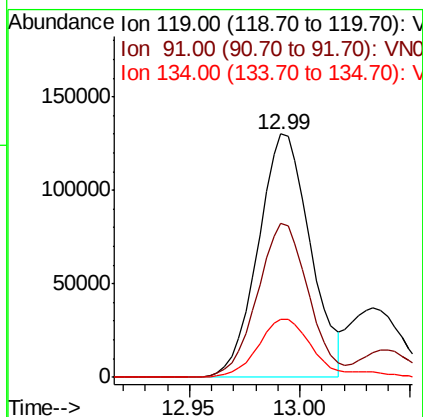
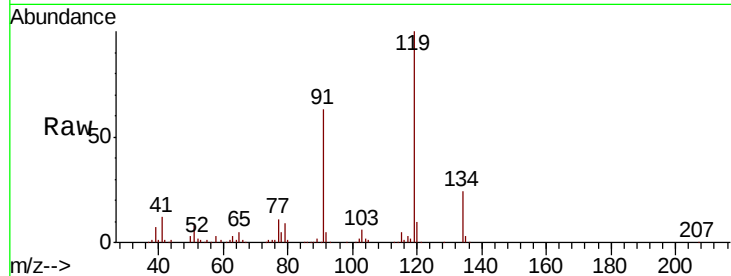




#83
tert-Butylbenzene
Concen: 22.327 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

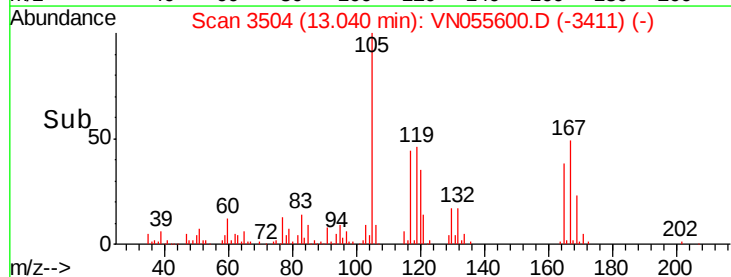
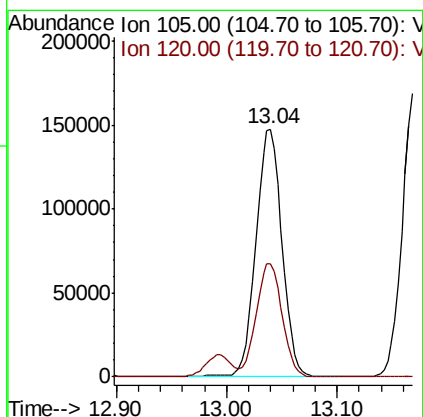
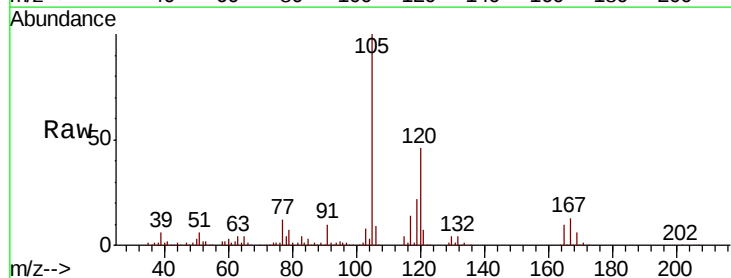
Instrument :
MSVOA_N
ClientSampleId :

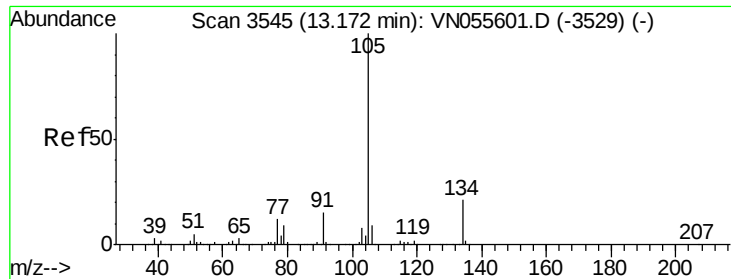
Tot Ion:119 Resp: 213909
Ion Ratio Lower Upper
119 100
91 62.0 31.3 93.8
134 25.8 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 22.570 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion:105 Resp: 241555
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 21.210 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

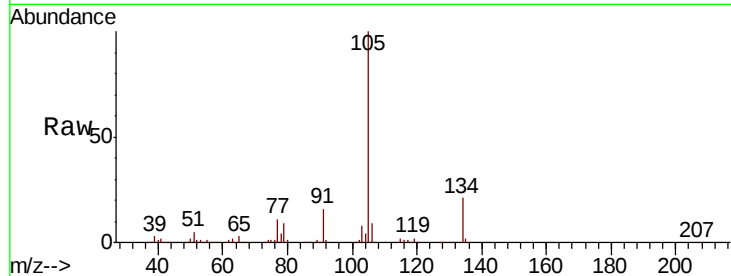
ClientSampled :

Tot Ion:105 Resp: 272071

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

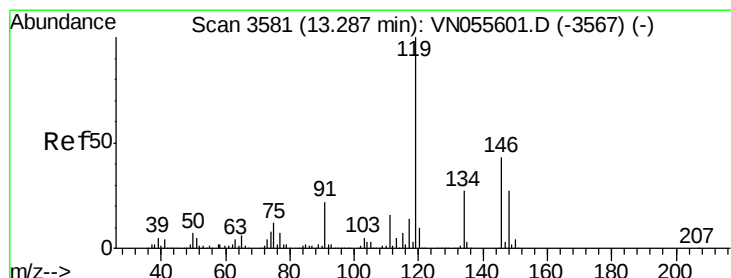
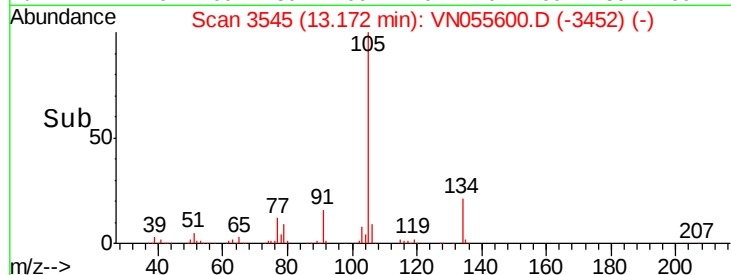
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.090 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

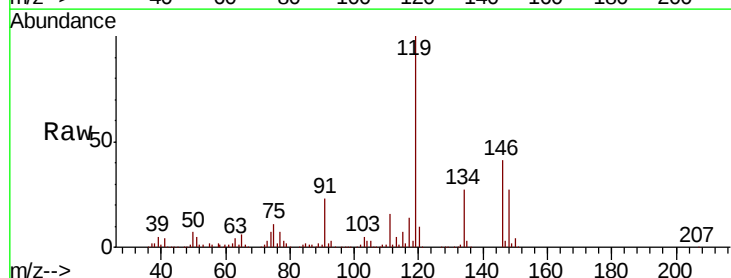
Tgt Ion:119 Resp: 247617

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.9 11.0 33.0



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

200000

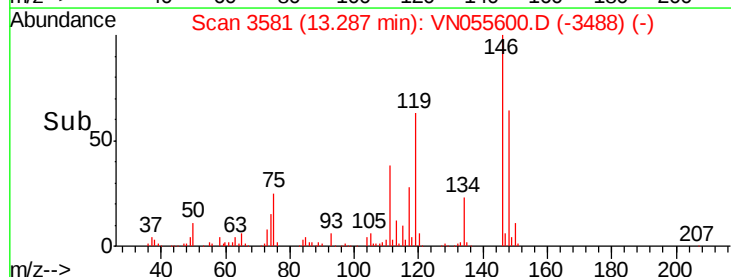
150000

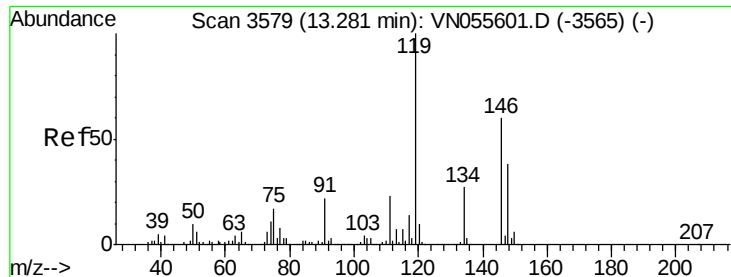
100000

50000

0

Time-->

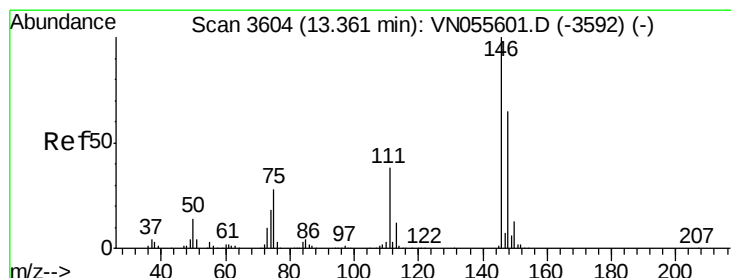
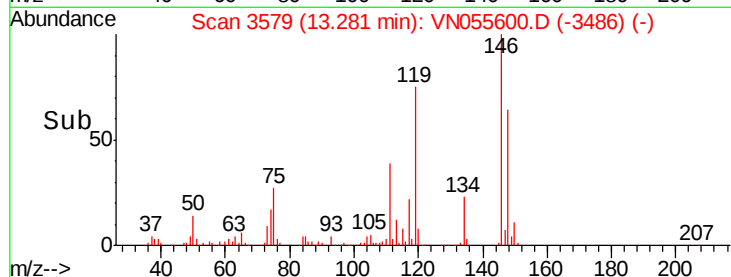
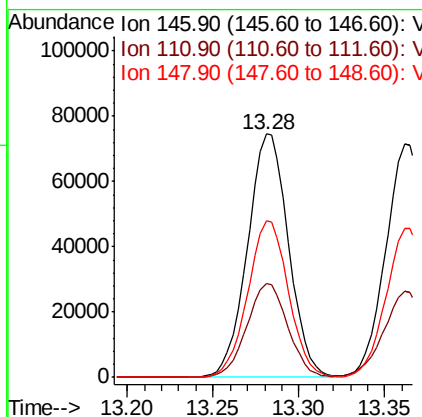
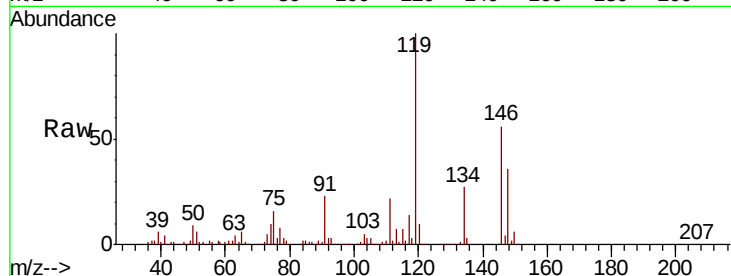




#87
 1,3-Dichlorobenzene
 Concen: 20.480 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

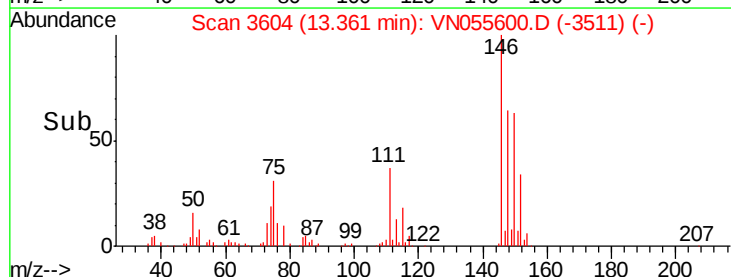
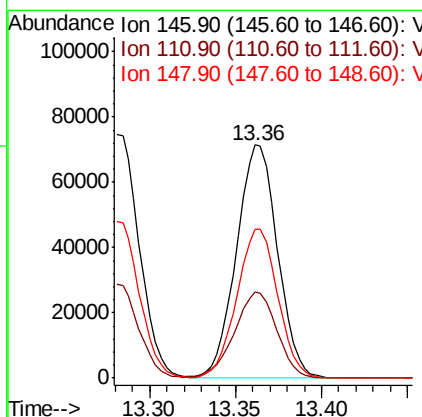
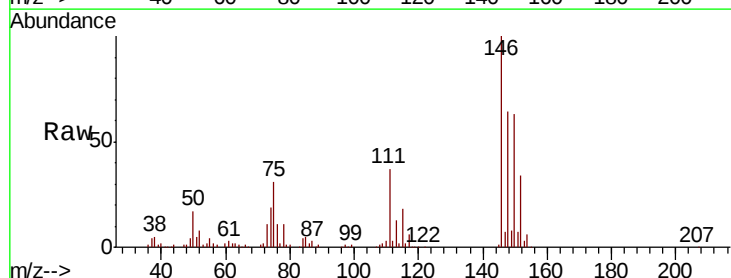
Instrument :
 MSVOA_N
 ClientSampleId :

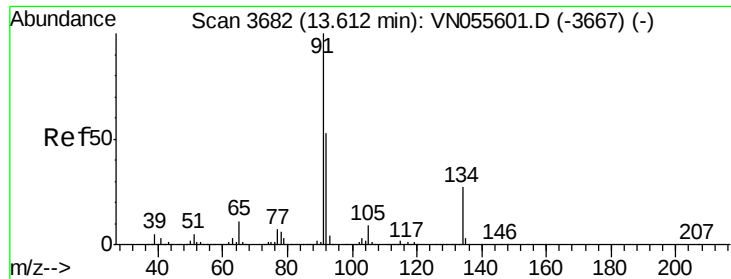
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	64.0	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.654 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	63.7	32.4	97.0

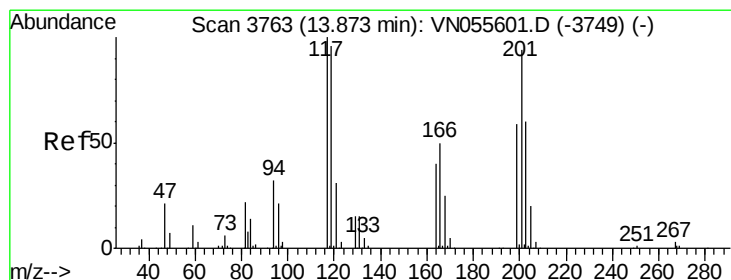
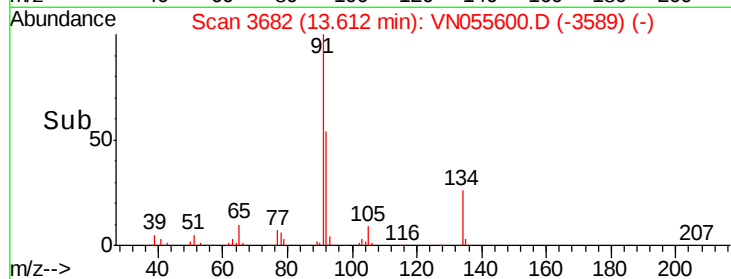
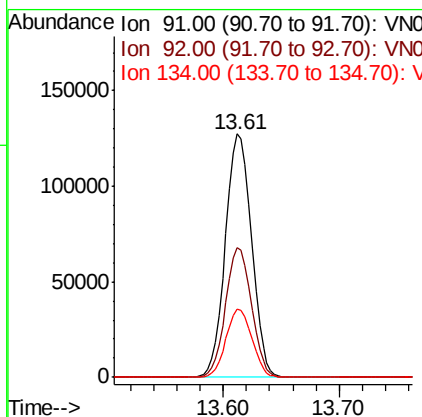
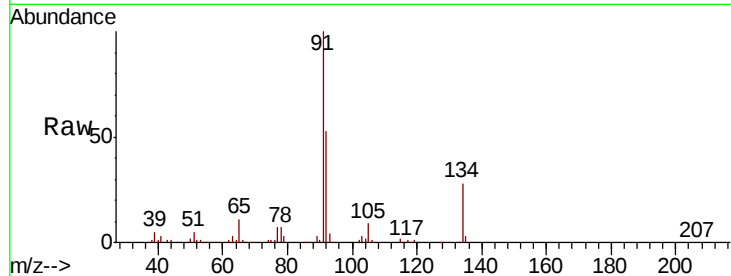




#89
n-Butylbenzene
Concen: 21.766 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

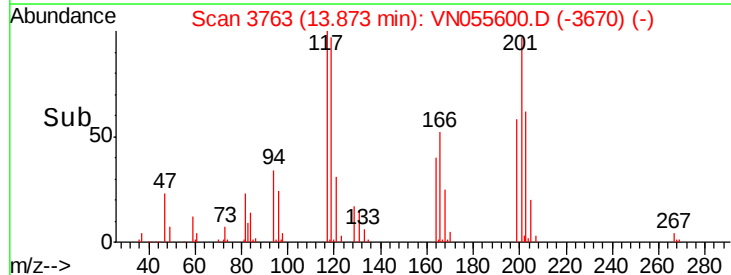
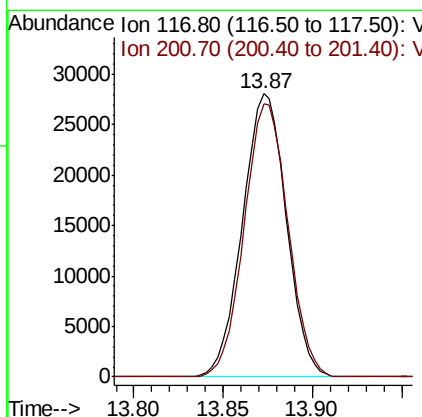
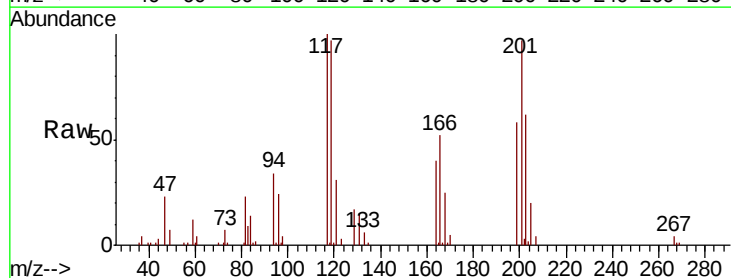
Instrument :
MSVOA_N
ClientSampled :

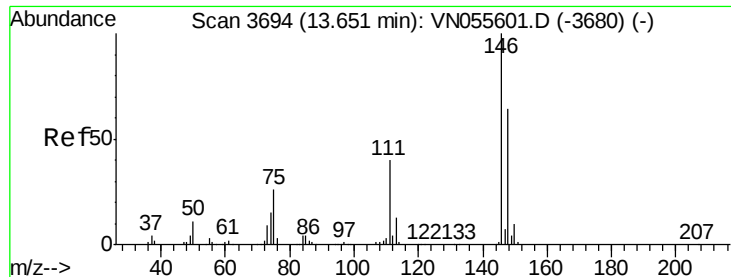
Tot Ion: 91 Resp: 200056
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.0
134 27.7 13.7 41.1



#90
Hexachloroethane
Concen: 22.130 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055600.D
Acq: 17 May 2019 10:16

Tgt Ion: 117 Resp: 48305
Ion Ratio Lower Upper
117 100
201 96.2 47.1 141.3





#91

1,2-Dichlorobenzene

Concen: 20.943 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

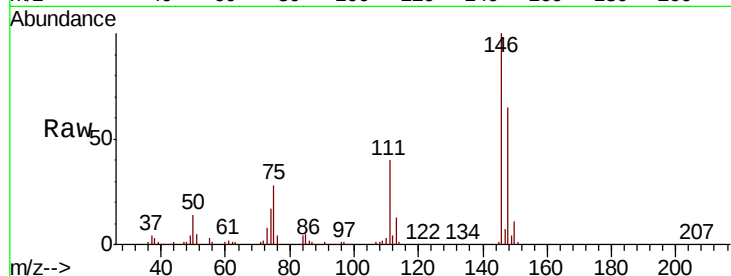
Tot Ion:146 Resp: 123682

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

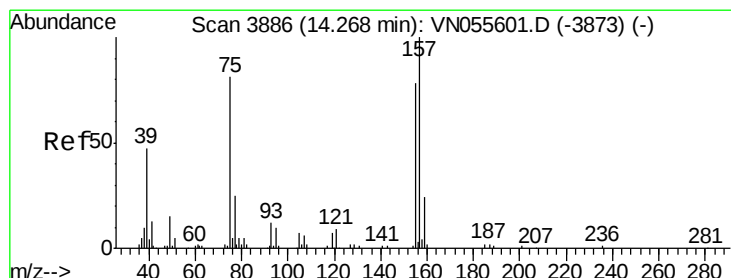
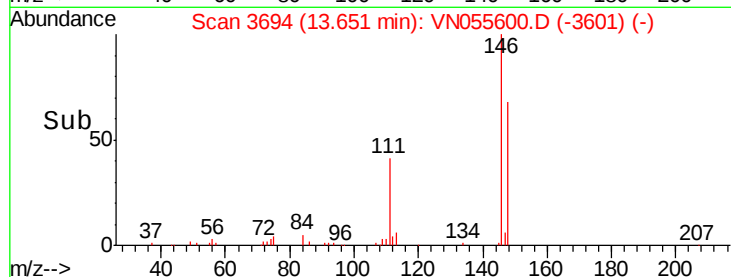
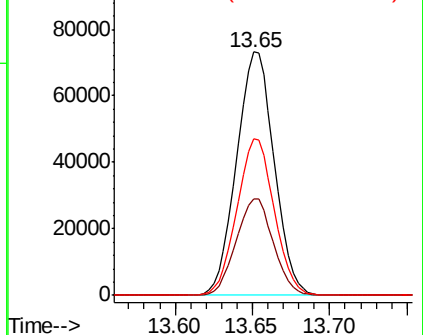
148 63.8 32.1 96.3



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: 34.030 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

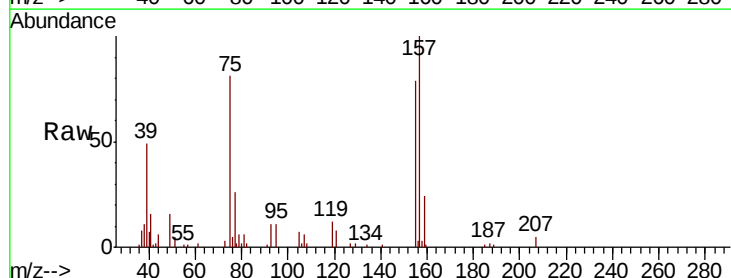
Tgt Ion: 75 Resp: 17327

Ion Ratio Lower Upper

75 100

155 97.9 48.4 145.0

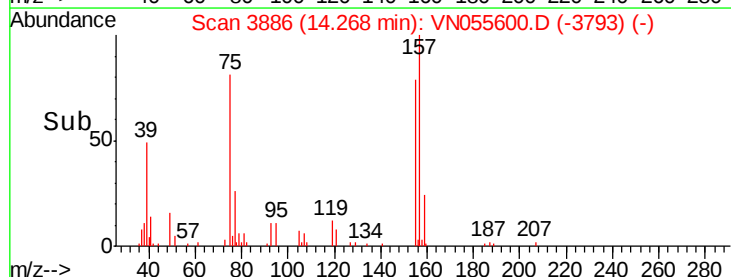
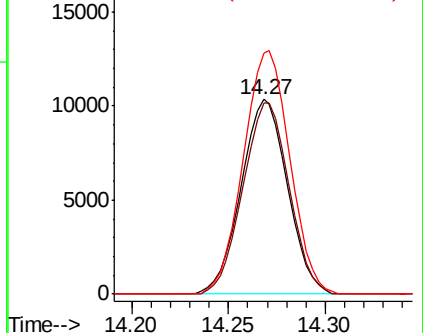
157 125.4 62.3 186.8

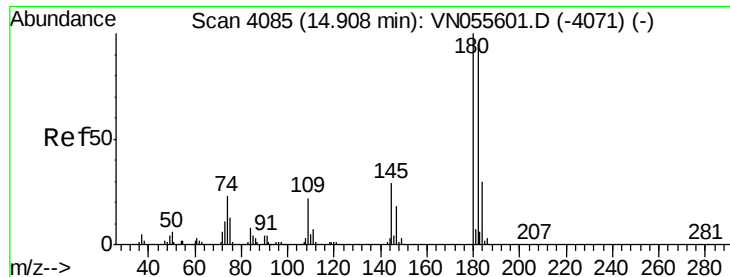


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

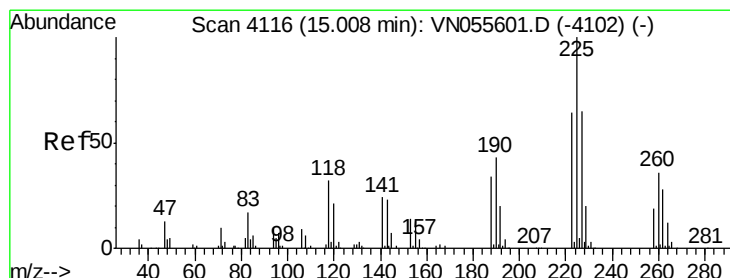
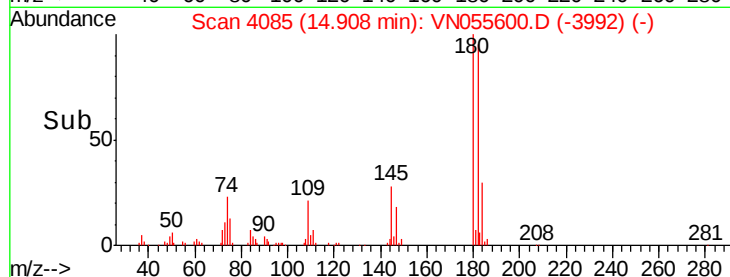
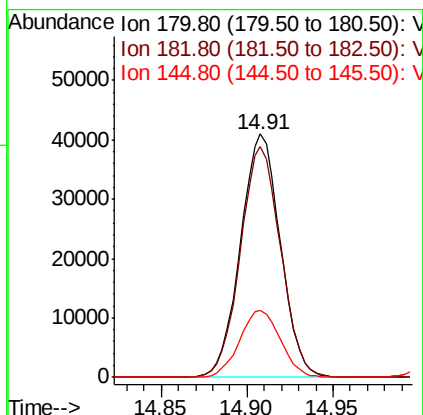
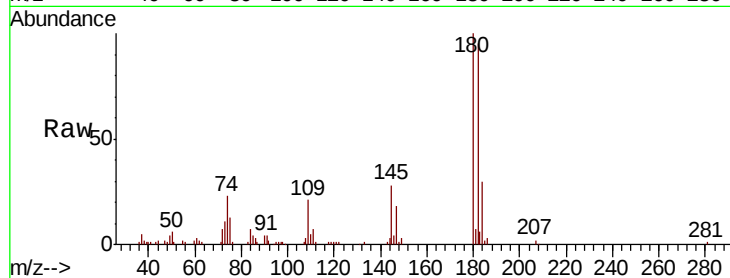




#93
 1,2,4-Trichlorobenzene
 Concen: 21.341 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

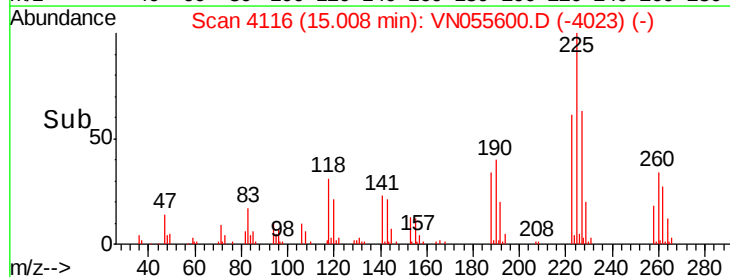
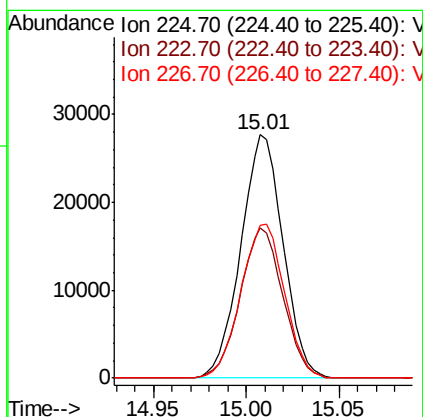
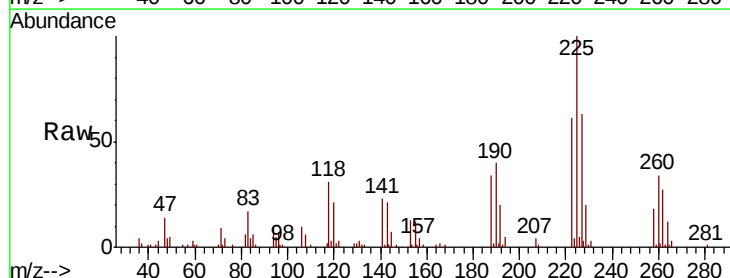
Instrument :
 MSVOA_N
 ClientSampled :

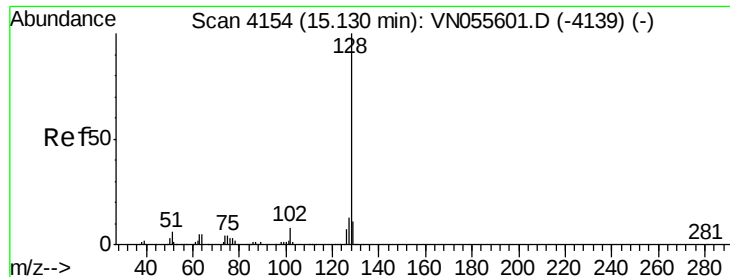
Tot Ion:180 Resp: 65870
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.6
 145 28.2 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 17.886 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055600.D
 Acq: 17 May 2019 10:16

Tgt Ion:225 Resp: 43868
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.6 94.7
 227 65.3 32.4 97.0





#95

Naphthalene

Concen: 28.599 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

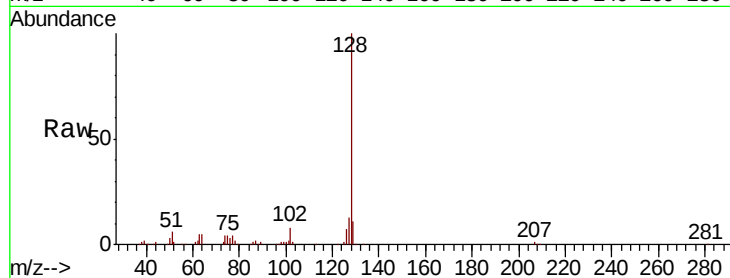
Tot Ion:128 Resp: 177436

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

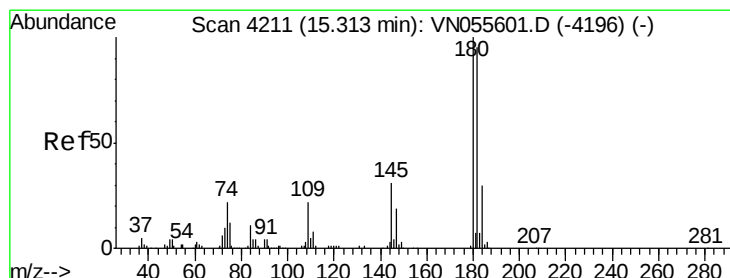
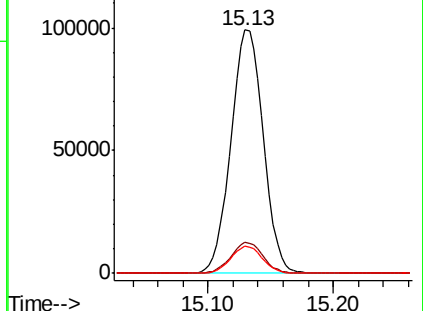
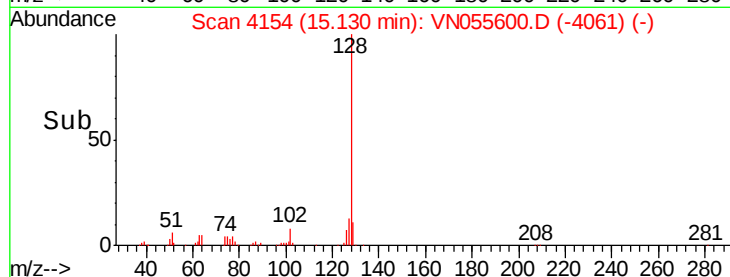
129 10.9 8.6 12.8



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: 23.129 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055600.D

Acq: 17 May 2019 10:16

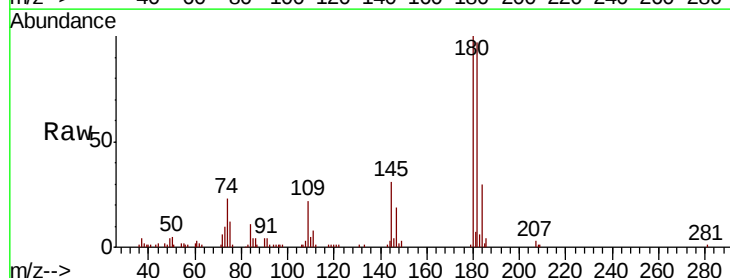
Tgt Ion:180 Resp: 69599

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.6

145 30.6 15.4 46.1



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

