

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055638.D
 Acq On : 18 May 2019 3:22
 Operator : JC/SP
 Sample : VN0517WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:32:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	318176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	491291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189700	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	175729	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	159414	51.08	ug/l	0.00
Spiked Amount						
			Recovery	=	102.16%	
50) Toluene-d8	10.09	98	590640	50.05	ug/l	0.00
Spiked Amount						
			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	202827	49.77	ug/l	0.00
Spiked Amount						
			Recovery	=	99.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	46413	18.959	ug/l	98
3) Chloromethane	2.06	50	61002	18.682	ug/l	99
4) Vinyl Chloride	2.19	62	68657	19.418	ug/l	97
5) Bromomethane	2.57	94	46539	20.653	ug/l	99
6) Chloroethane	2.71	64	38565	19.644	ug/l	98
7) Trichlorofluoromethane	3.03	101	88939	19.629	ug/l	100
8) Diethyl Ether	3.41	74	36217	19.897	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	51764	18.739	ug/l	98
10) Methyl Iodide	3.96	142	70480	17.698	ug/l	99
11) Tert butyl alcohol	4.77	59	67179	103.285	ug/l	96
12) 1,1-Dichloroethene	3.74	96	55999	19.272	ug/l	99
13) Acrolein	3.61	56	30406	92.509	ug/l	96
14) Allyl chloride	4.33	41	86415	18.421	ug/l	99
15) Acrylonitrile	4.99	53	146721	101.391	ug/l	99
16) Acetone	3.82	43	124035	87.142	ug/l	98
17) Carbon Disulfide	4.06	76	150766	18.664	ug/l	98
18) Methyl Acetate	4.33	43	60341	19.774	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	188808	19.641	ug/l	97
20) Methylene Chloride	4.56	84	62464	19.229	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	59038	19.073	ug/l	99
22) Diisopropyl ether	5.95	45	175888	18.922	ug/l	99
23) Vinyl Acetate	5.90	43	761051	96.490	ug/l	99
24) 1,1-Dichloroethane	5.85	63	105827	19.417	ug/l	98
25) 2-Butanone	6.83	43	191340	96.142	ug/l	100
26) 2,2-Dichloropropane	6.83	77	56485	11.677	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	70429	19.539	ug/l	94
28) Bromochloromethane	7.20	49	48453	20.434	ug/l	100
29) Tetrahydrofuran	7.21	42	131065	99.403	ug/l	99
30) Chloroform	7.37	83	108155	19.332	ug/l	97
31) Cyclohexane	7.66	56	98110	18.967	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	97506	19.431	ug/l	99
36) 1,1-Dichloropropene	7.80	75	81090	18.513	ug/l	99
37) Ethyl Acetate	6.93	43	80204	20.292	ug/l	98
38) Carbon Tetrachloride	7.78	117	87476	18.689	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93544	17.716	ug/l	99
40) Benzene	8.05	78	246901	19.164	ug/l	100
41) Methacrylonitrile	7.21	41	115198	68.170	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	80797	19.367	ug/l	99
43) Isopropyl Acetate	8.17	43	132136	19.219	ug/l	99
44) Trichloroethene	8.84	130	70904	19.504	ug/l	98
45) 1,2-Dichloropropane	9.12	63	64956	19.138	ug/l	96
46) Dibromomethane	9.21	93	43719	19.681	ug/l	97
47) Bromodichloromethane	9.40	83	88371	18.981	ug/l	100
48) Methyl methacrylate	9.20	41	62378	20.298	ug/l	99
49) 1,4-Dioxane	9.20	88	26371	431.854	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	393627	97.601	ug/l	100
52) Toluene	10.16	92	155494	19.243	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88335	17.629	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	100165	18.247	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	63325	19.036	ug/l	98
56) Ethyl methacrylate	10.43	69	97702	18.814	ug/l	98
57) 1,3-Dichloropropane	10.71	76	100823	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	208666	94.568	ug/l	100
59) 2-Hexanone	10.75	43	270948	95.423	ug/l	99
60) Dibromochloromethane	10.90	129	74796	19.838	ug/l	99
61) 1,2-Dibromoethane	11.01	107	64444	19.361	ug/l	98
64) Tetrachloroethene	10.63	164	70652	20.882	ug/l	98
65) Chlorobenzene	11.43	112	167272	19.280	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66750	19.124	ug/l	100
67) Ethyl Benzene	11.51	91	291466	18.858	ug/l	99
68) m/p-Xylenes	11.62	106	220332	37.750	ug/l	98
69) o-Xylene	11.95	106	108378	18.985	ug/l	98
70) Styrene	11.96	104	180902	19.058	ug/l	99
71) Bromoform	12.13	173	58133	19.654	ug/l #	100
73) Isopropylbenzene	12.25	105	287391	20.150	ug/l	100
74) N-amyl acetate	12.07	43	99505	18.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	88566	20.099	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	104507	26.998	ug/l #	100
77) Bromobenzene	12.53	156	76469	19.628	ug/l	95
78) n-propylbenzene	12.59	91	305614	18.142	ug/l	99
79) 2-Chlorotoluene	12.67	91	186419	19.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	236434	19.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23029	15.293	ug/l	98
82) 4-Chlorotoluene	12.77	91	183752	18.513	ug/l	100
83) tert-Butylbenzene	12.99	119	206410	19.709	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	235803	19.709	ug/l	100
85) sec-Butylbenzene	13.17	105	261701	19.323	ug/l	99
86) p-Isopropyltoluene	13.29	119	238036	19.079	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	120991	18.783	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119811	19.480	ug/l	100
89) n-Butylbenzene	13.61	91	186316	17.899	ug/l	99
90) Hexachloroethane	13.87	117	46754	19.403	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	122815	19.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16681	19.376	ug/l	94

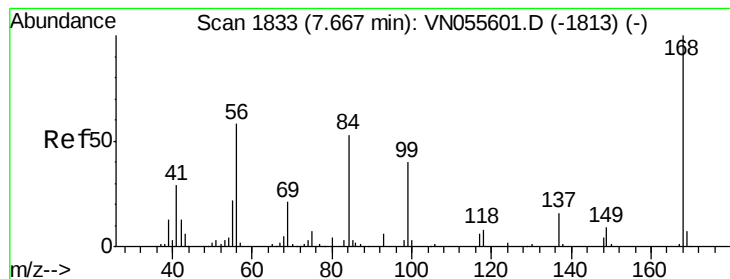
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64617	19.769	ug/l	100
94) Hexachlorobutadiene	15.01	225	39676	18.262	ug/l	99
95) Naphthalene	15.13	128	176803	19.055	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	67488	19.747	ug/l	99

(#) = 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: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

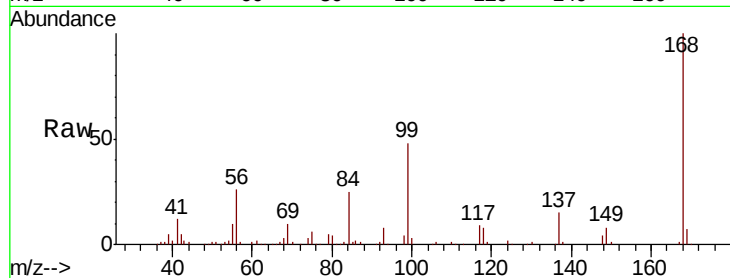
ClientSampled :

Tot Ion:168 Resp: 318176

Ion Ratio Lower Upper

168 100

99 48.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

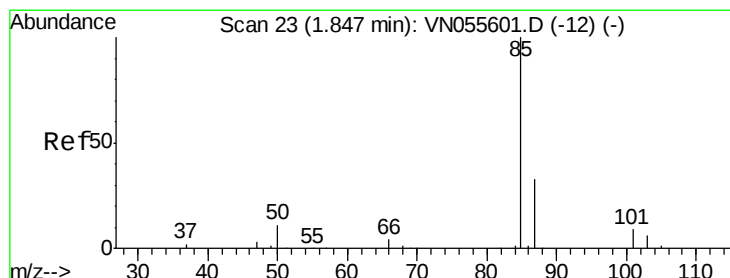
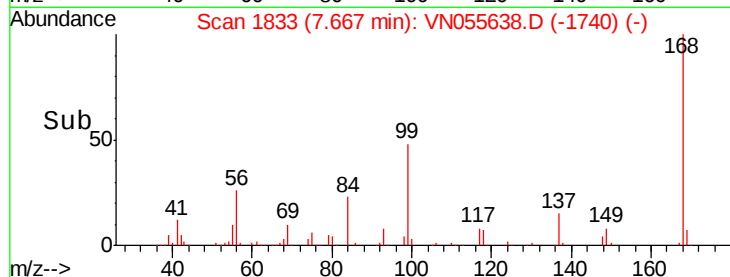
7.67

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 18.959 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055638.D

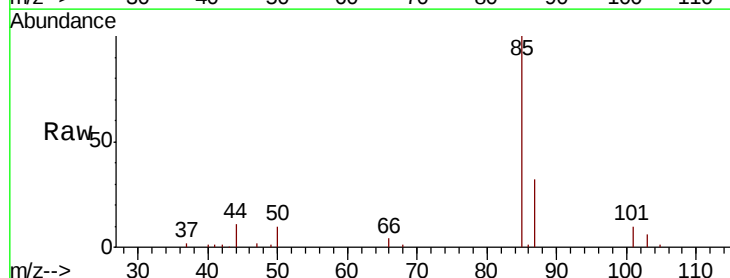
Acq: 18 May 2019 3:22

Tgt Ion: 85 Resp: 46413

Ion Ratio Lower Upper

85 100

87 32.1 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

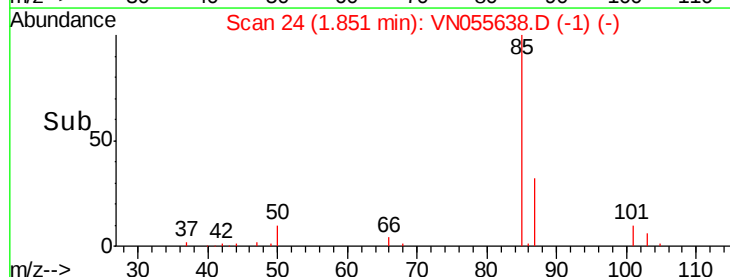
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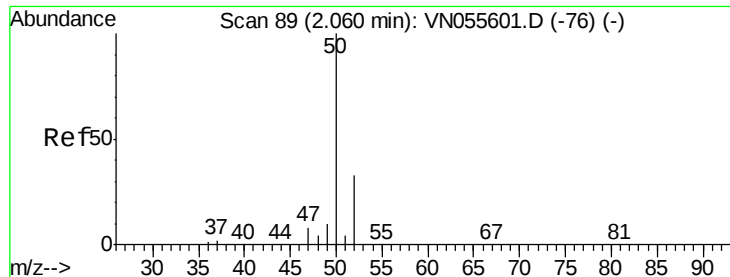
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.682 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

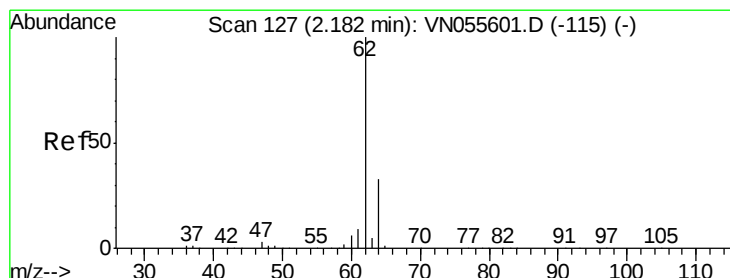
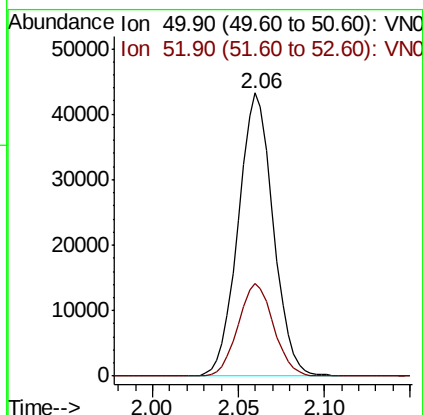
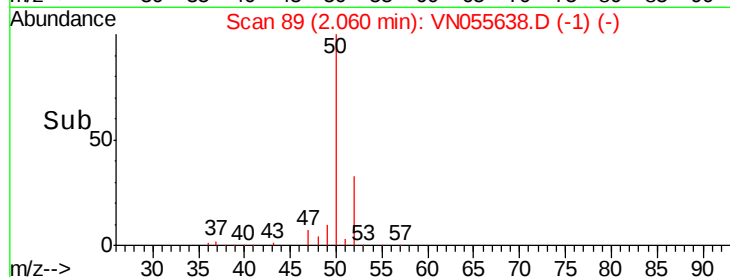
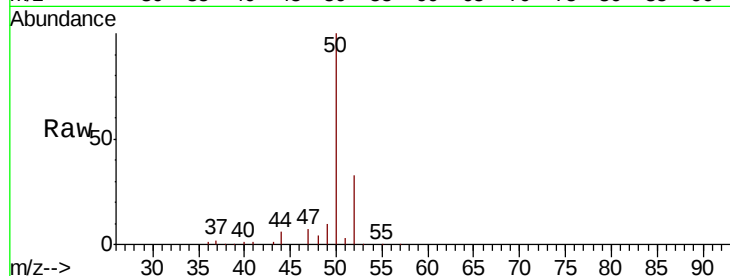
ClientSampleId :

Tot Ion: 50 Resp: 61002

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



#4

Vinyl Chloride

Concen: 19.418 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055638.D

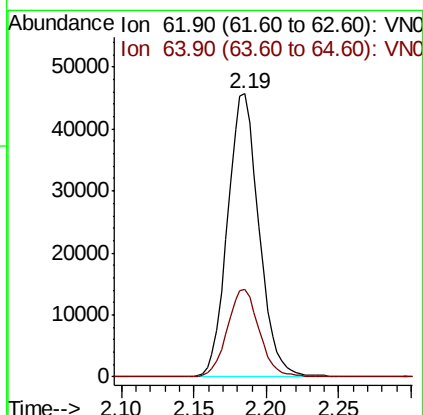
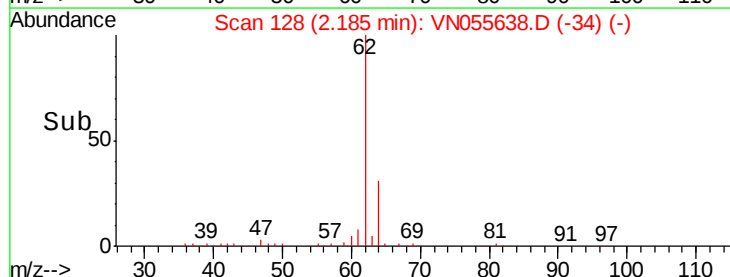
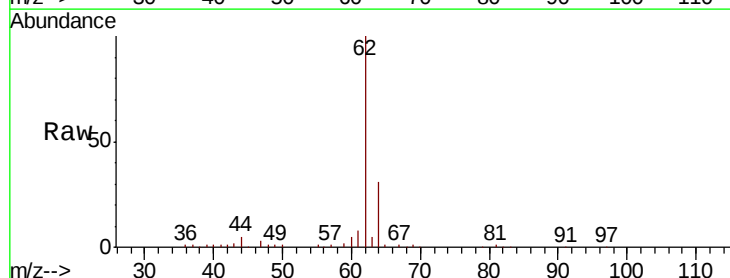
Acq: 18 May 2019 3:22

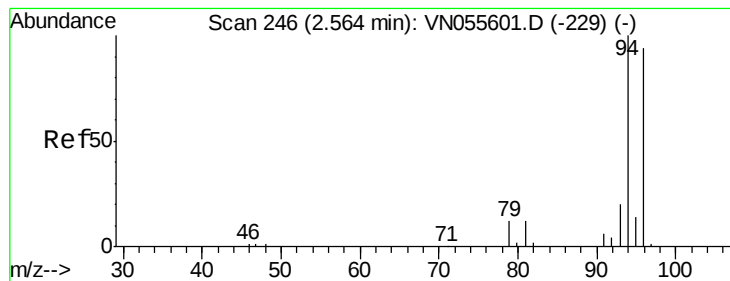
Tgt Ion: 62 Resp: 68657

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.4





#5

Bromomethane

Concen: 20.653 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

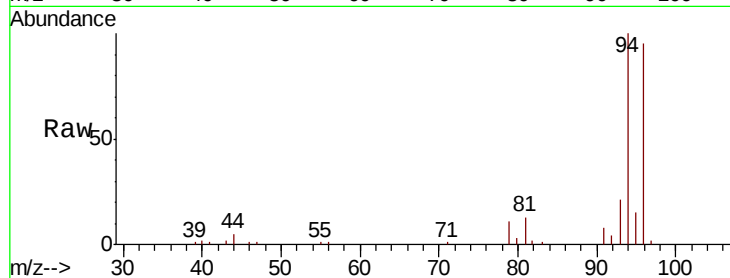
ClientSampleId :

Tot Ion: 94 Resp: 46539

Ion Ratio Lower Upper

94 100

96 95.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

25000

20000

15000

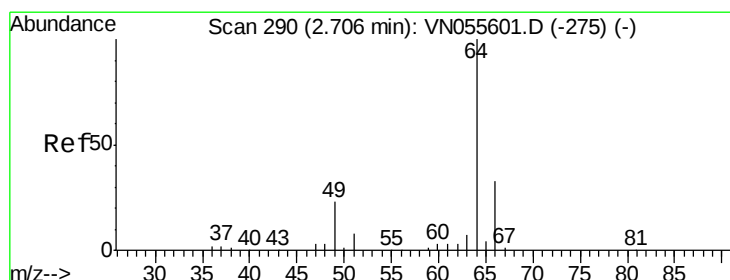
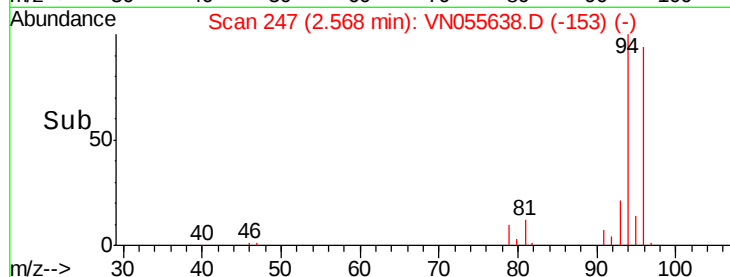
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.644 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055638.D

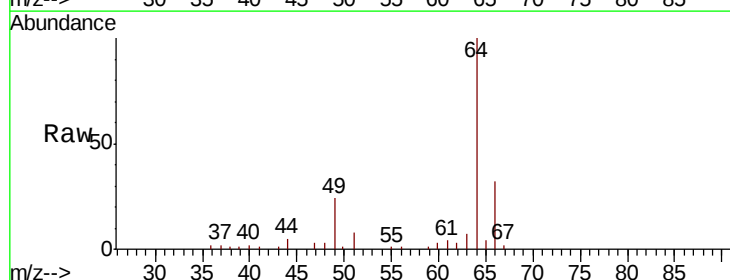
Acq: 18 May 2019 3:22

Tgt Ion: 64 Resp: 38565

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

20000

15000

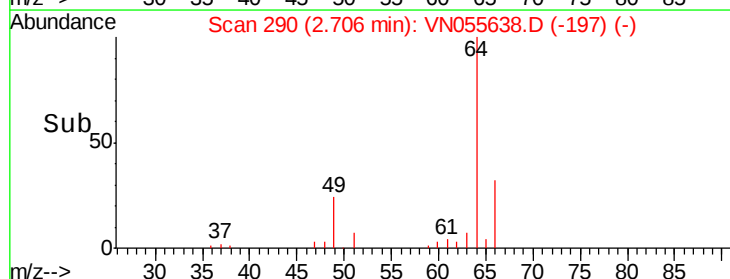
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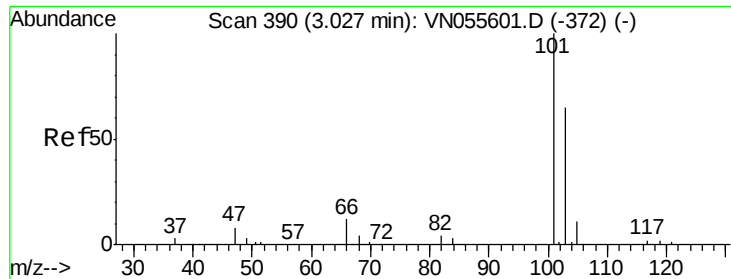
5000

0

Time-->

2.65 2.70 2.75 2.80



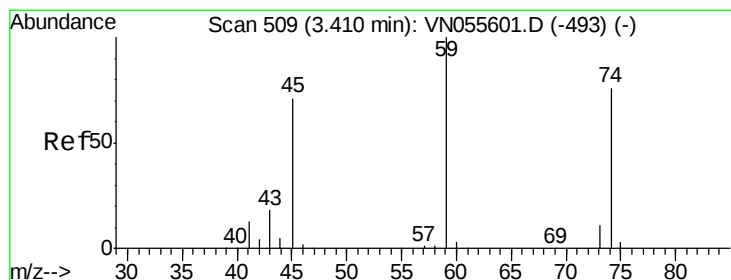
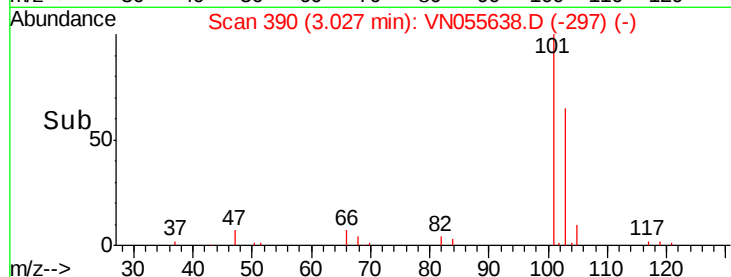
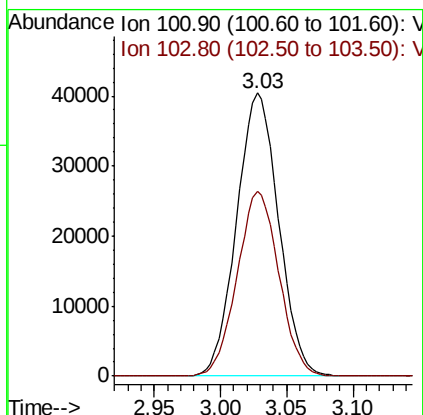
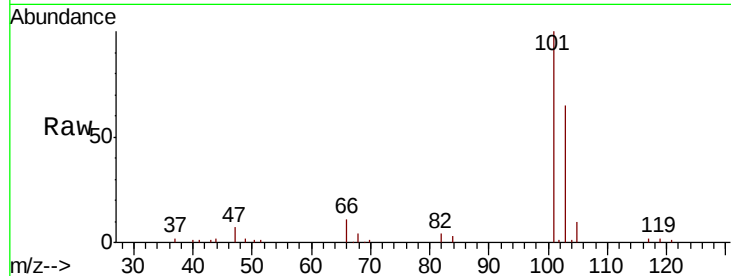


#7

Trichlorofluoromethane
 Concen: 19.629 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampled :

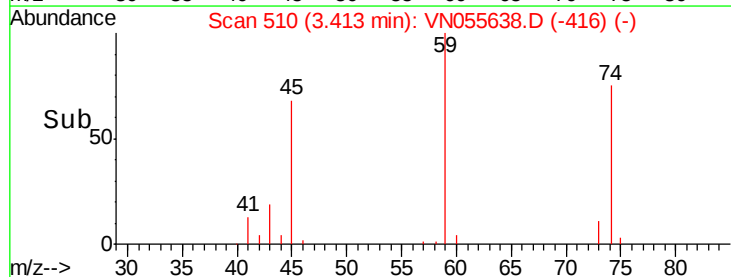
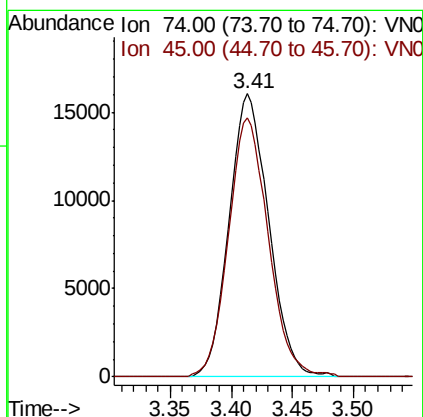
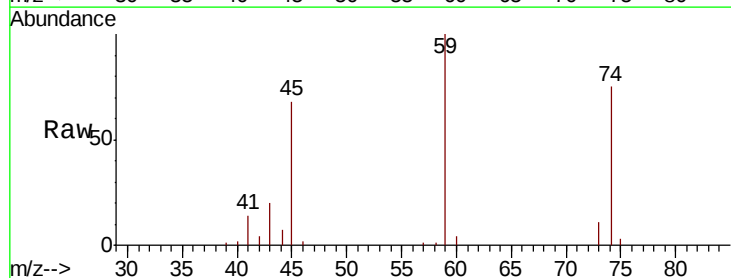
Tot Ion:101 Resp: 88939
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.3 78.5

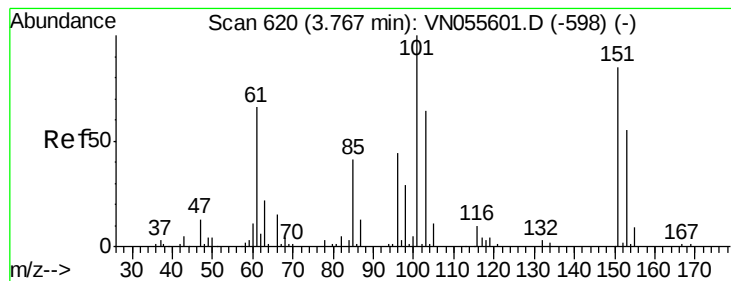


#8

Diethyl Ether
 Concen: 19.897 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion: 74 Resp: 36217
 Ion Ratio Lower Upper
 74 100
 45 92.0 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.739 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

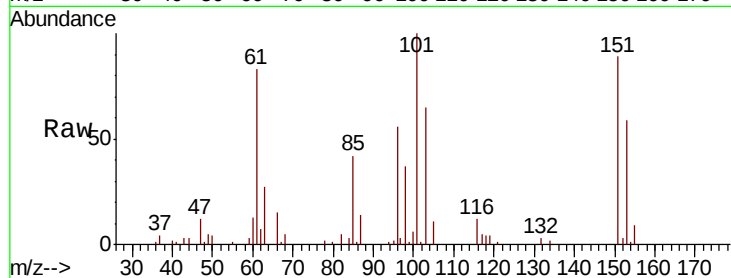
Tot Ion:101 Resp: 51764

Ion Ratio Lower Upper

101 100

85 42.4 33.4 50.0

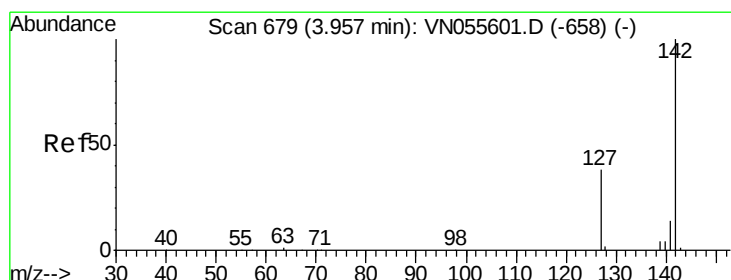
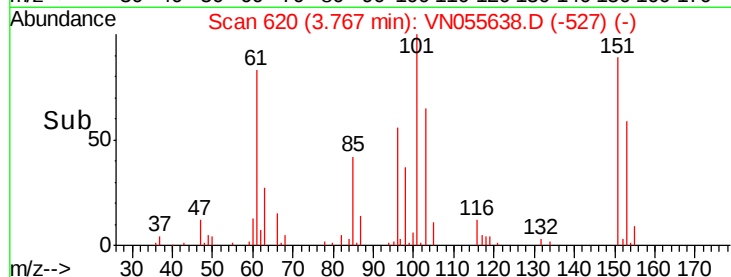
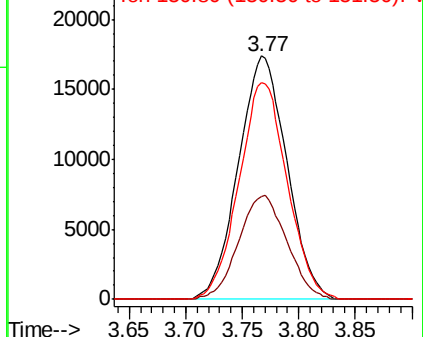
151 88.6 69.3 103.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.698 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

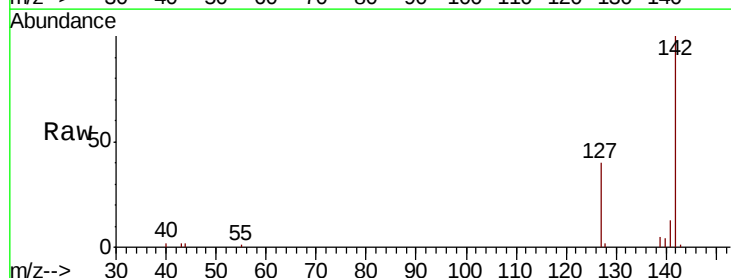
Tgt Ion:142 Resp: 70480

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

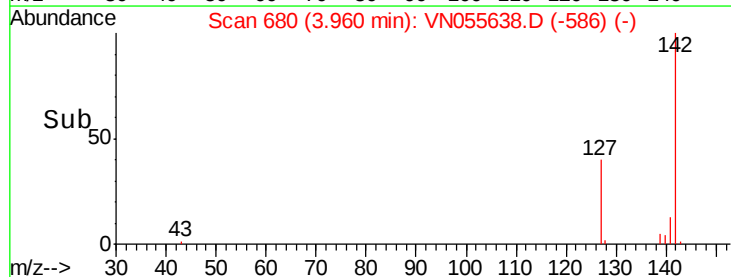
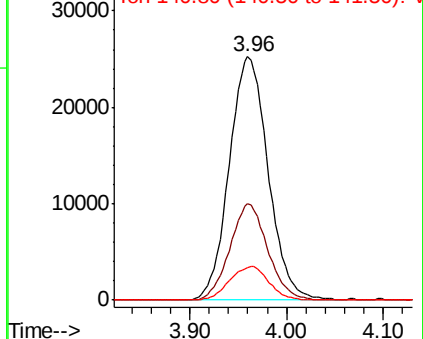
141 13.8 11.5 17.3

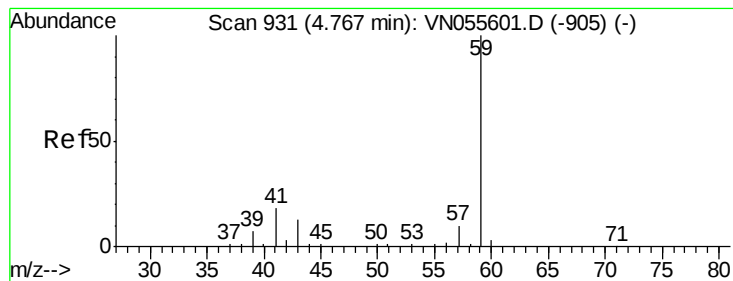


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



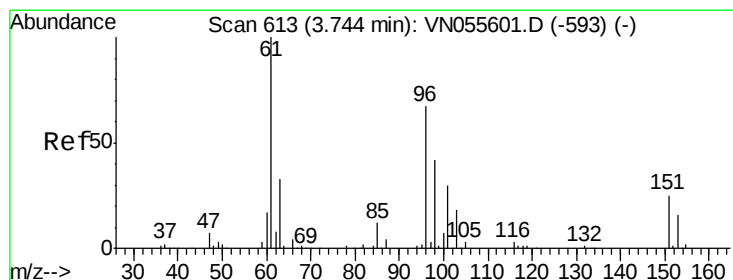
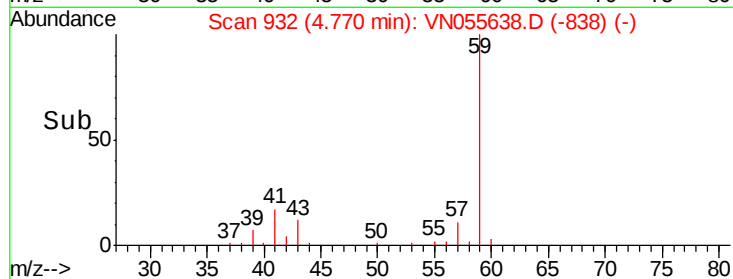
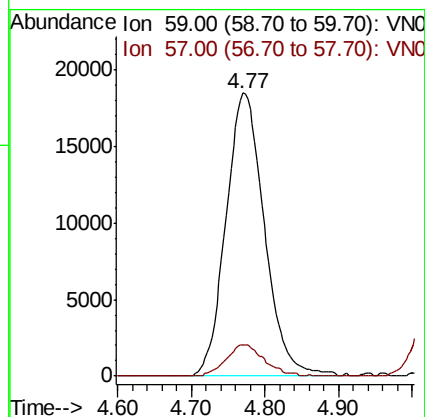
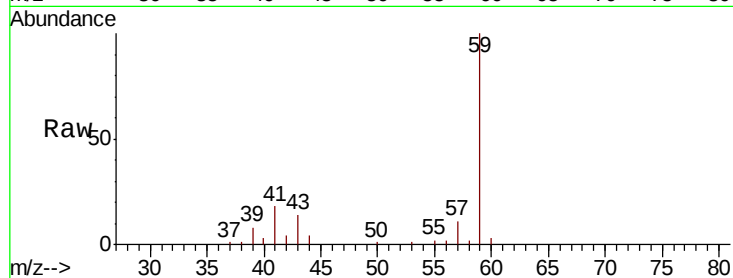


#11

Tert butyl alcohol
 Concen: 103.285 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :

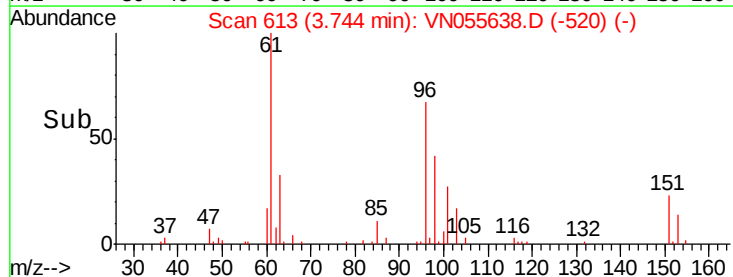
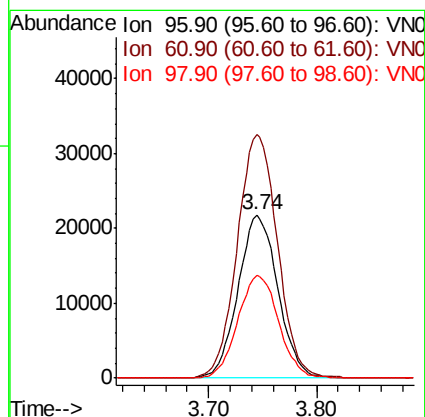
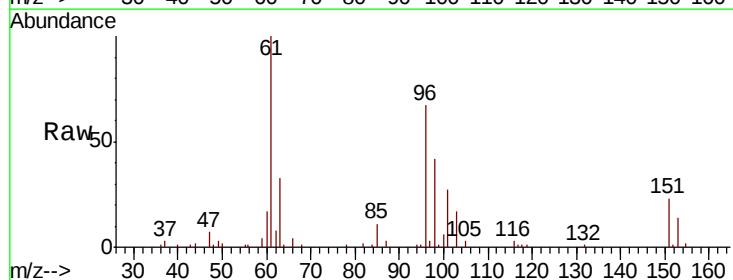
Tot Ion: 59 Resp: 67179
 Ion Ratio Lower Upper
 59 100
 57 11.0 7.8 11.6

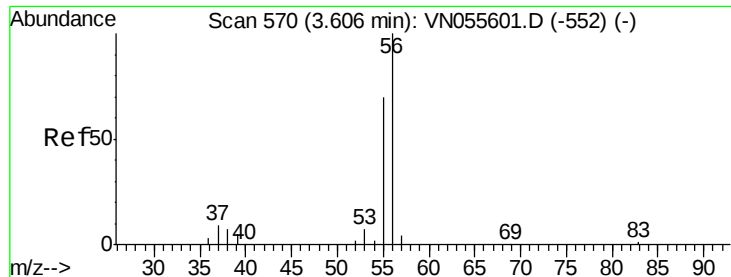


#12

1,1-Dichloroethene
 Concen: 19.272 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion: 96 Resp: 55999
 Ion Ratio Lower Upper
 96 100
 61 149.4 120.2 180.2
 98 63.1 50.6 75.8





#13

Acrolein

Concen: 92.509 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

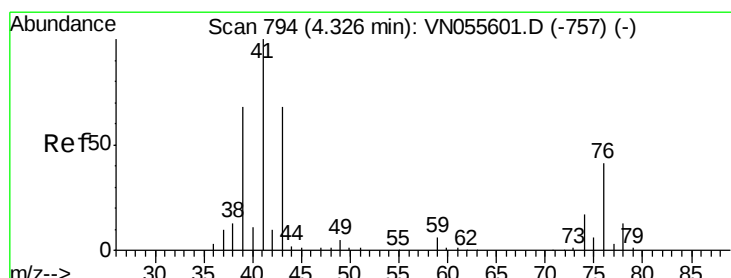
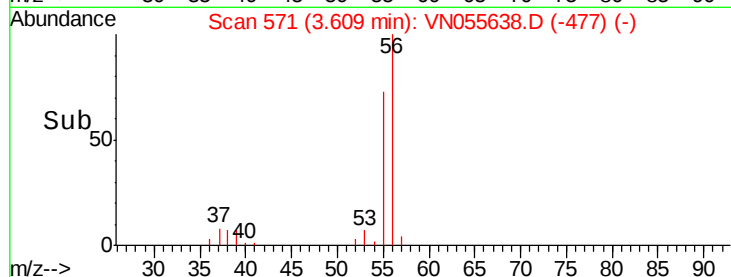
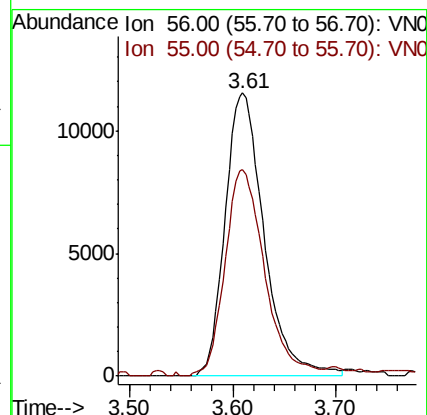
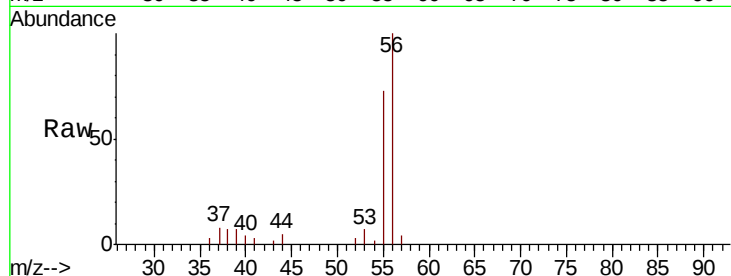
ClientSampled :

Tot Ion: 56 Resp: 30406

Ion Ratio Lower Upper

56 100

55 74.1 56.5 84.7



#14

Allyl chloride

Concen: 18.421 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

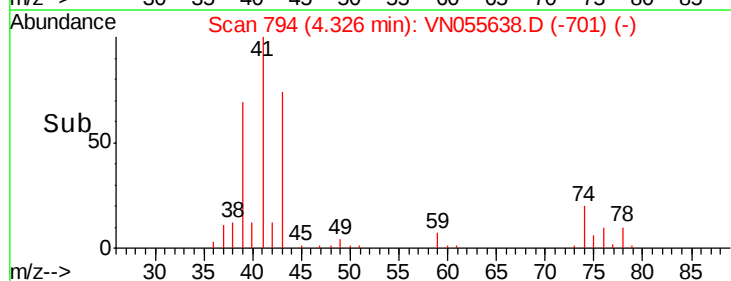
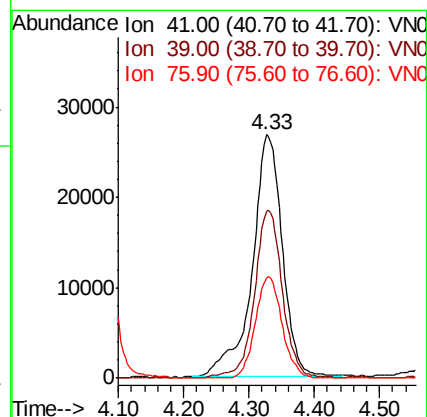
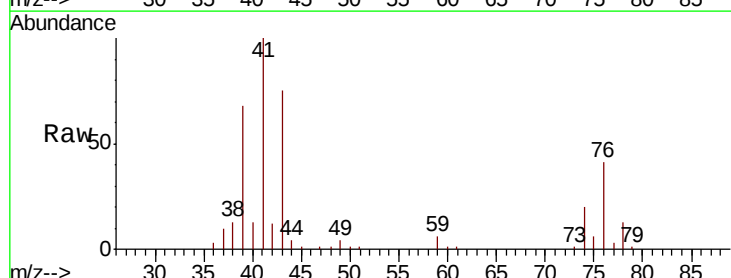
Tgt Ion: 41 Resp: 86415

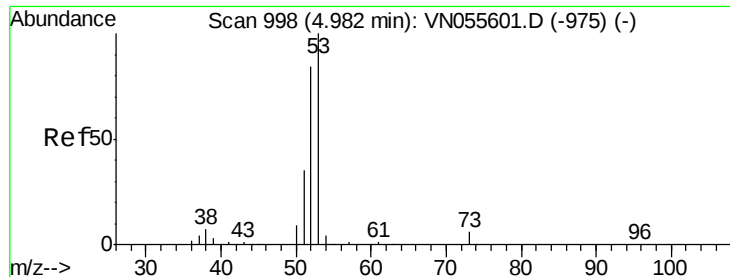
Ion Ratio Lower Upper

41 100

39 64.0 50.5 75.7

76 36.9 29.2 43.8





#15

Acrylonitrile

Concen: 101.391 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampled :

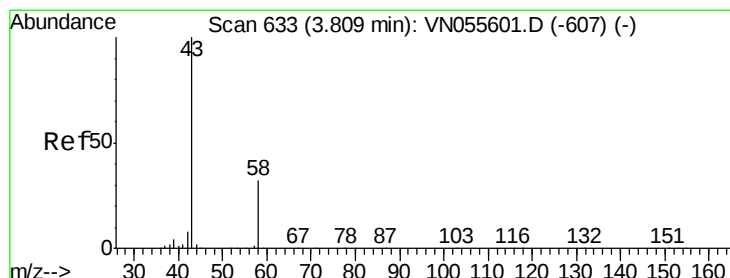
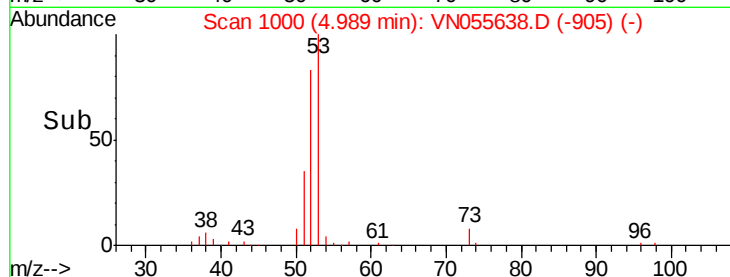
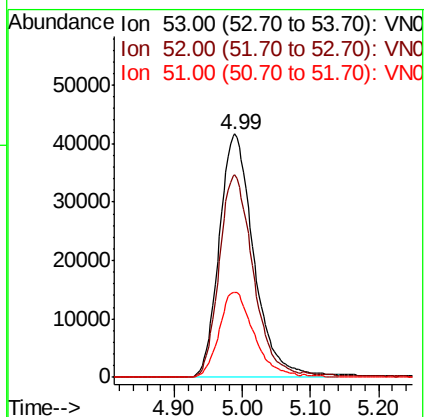
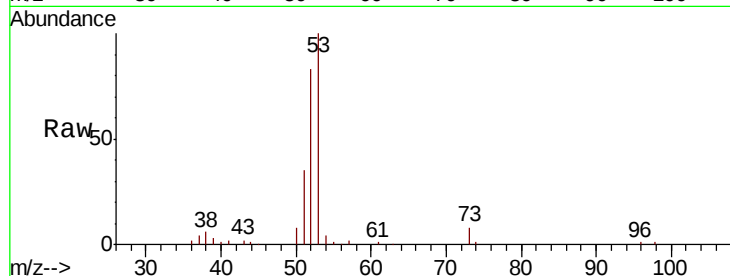
Tot Ion: 53 Resp: 146721

Ion Ratio Lower Upper

53 100

52 81.4 66.2 99.4

51 35.2 28.5 42.7



#16

Acetone

Concen: 87.142 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN055638.D

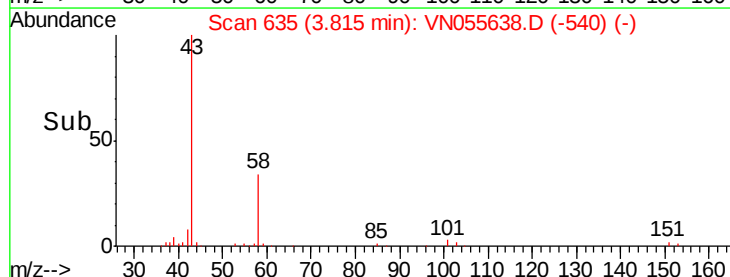
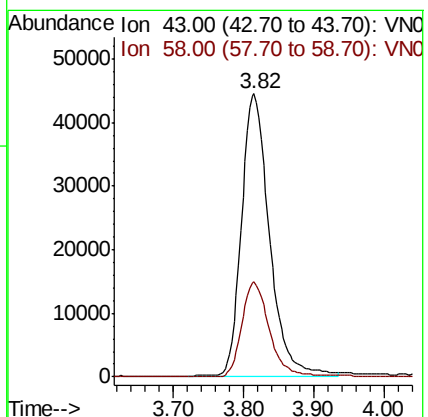
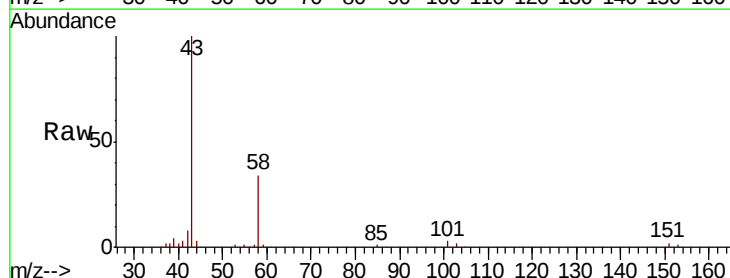
Acq: 18 May 2019 3:22

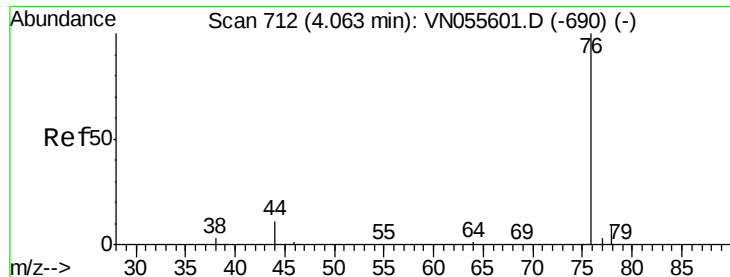
Tgt Ion: 43 Resp: 124035

Ion Ratio Lower Upper

43 100

58 33.7 26.0 39.0

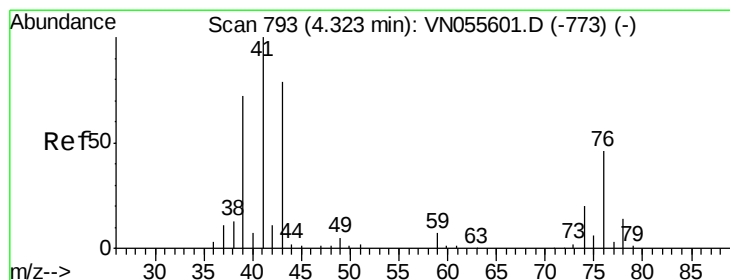
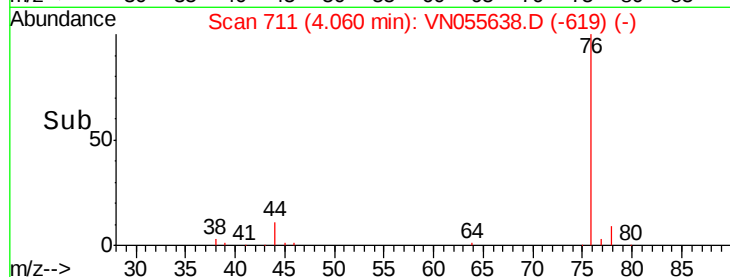
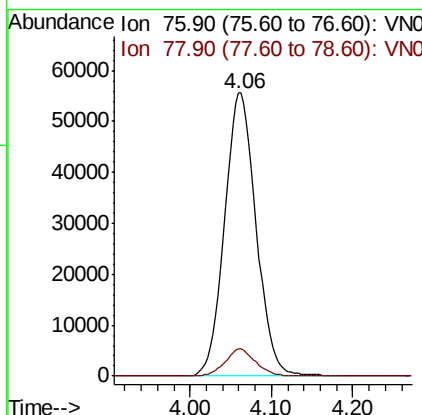
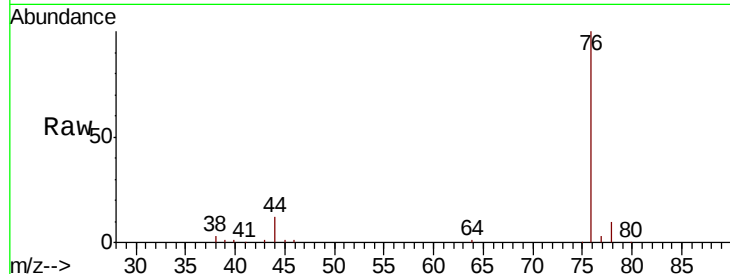




#17
Carbon Disulfide
Concen: 18.664 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

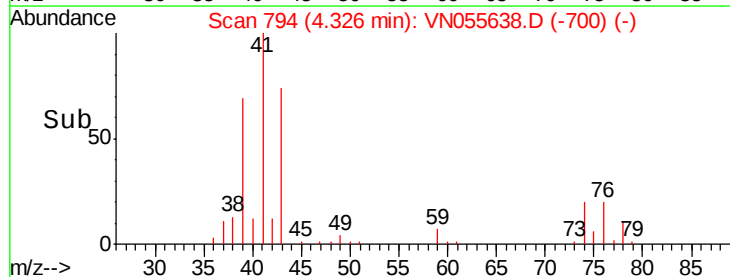
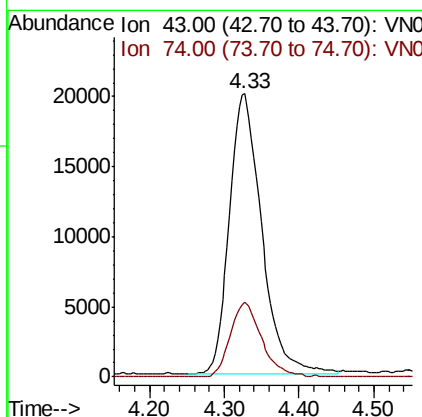
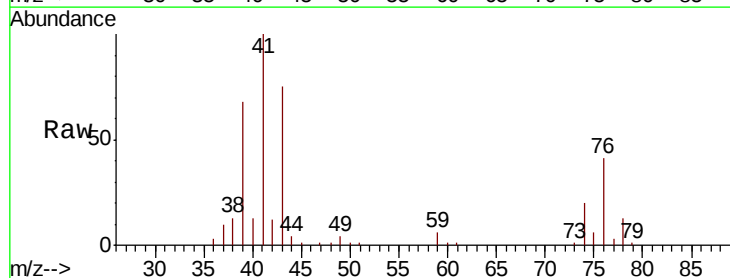
Instrument :
MSVOA_N
ClientSampled :

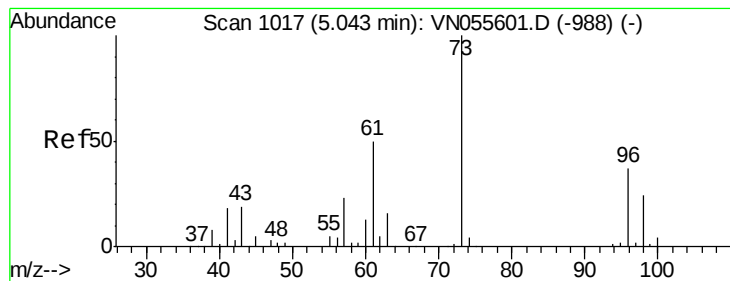
Tot Ion: 76 Resp: 150766
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 19.774 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 43 Resp: 60341
Ion Ratio Lower Upper
43 100
74 25.7 19.9 29.9



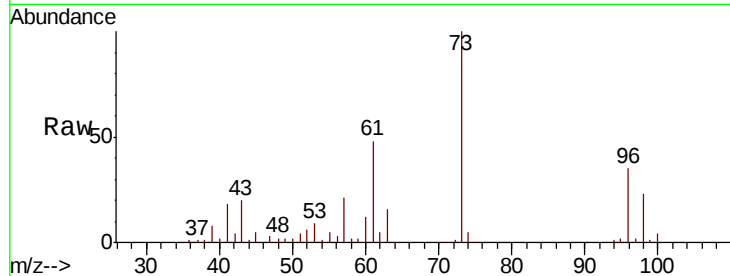


#19

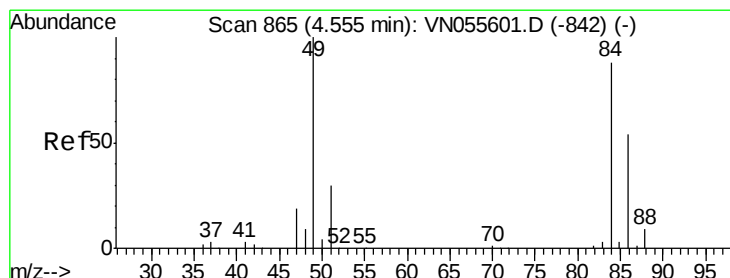
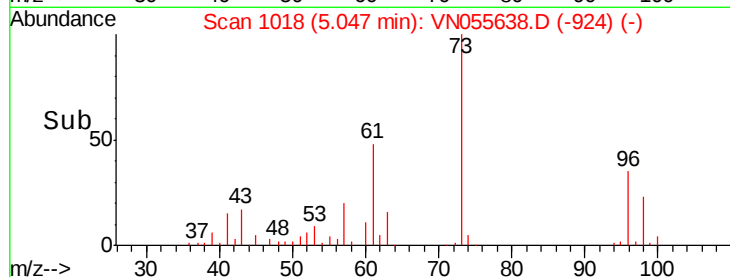
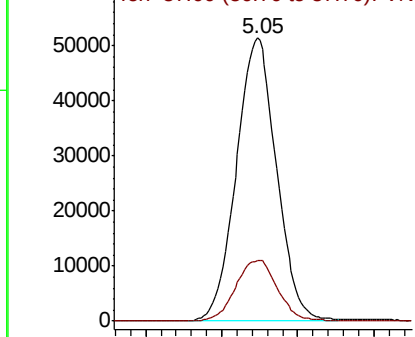
Methyl tert-butyl Ether
 Concen: 19.641 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 73 Resp: 188808
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.2 27.2



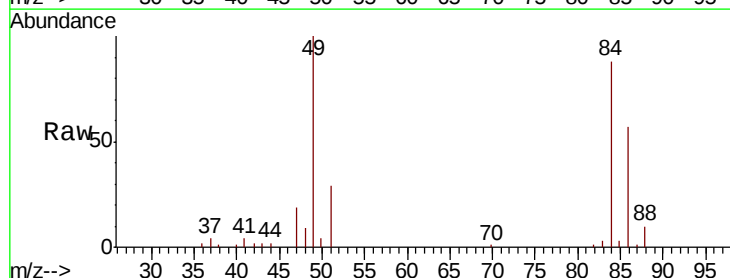
Abundance Ion 73.00 (72.70 to 73.70): VN055601.D (-988) (-)
 Ion 57.00 (56.70 to 57.70): VN055601.D (-988) (-)



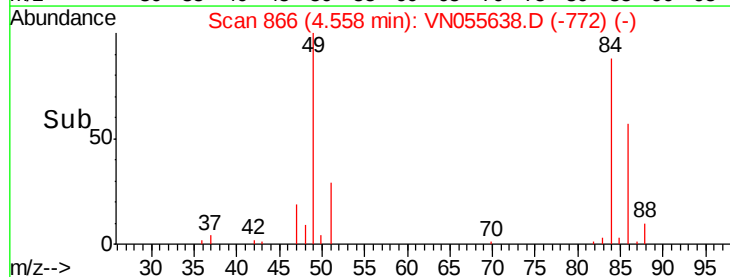
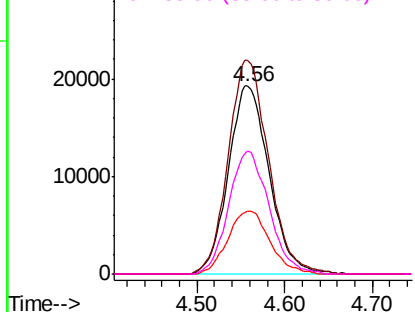
#20

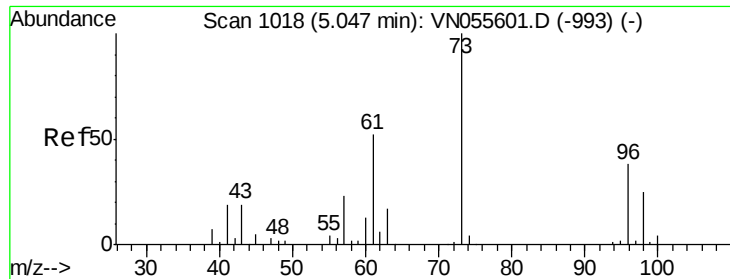
Methylene Chloride
 Concen: 19.229 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion: 84 Resp: 62464
 Ion Ratio Lower Upper
 84 100
 49 113.6 91.0 136.4
 51 33.4 27.5 41.3
 86 65.3 49.4 74.0



Abundance Ion 83.90 (83.60 to 84.60): VN055601.D (-842) (-)
 Ion 48.90 (48.60 to 49.60): VN055601.D (-842) (-)
 Ion 50.90 (50.60 to 51.60): VN055601.D (-842) (-)
 Ion 85.90 (85.60 to 86.60): VN055601.D (-842) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.073 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampled :

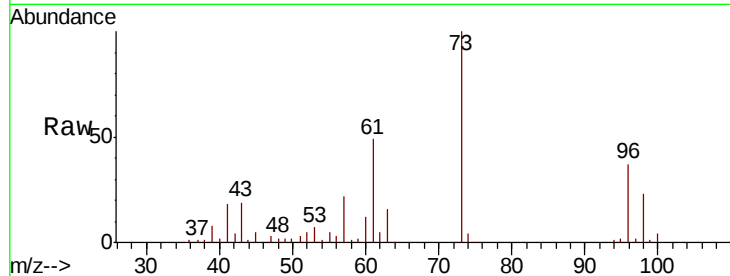
Tot Ion: 96 Resp: 59038

Ion Ratio Lower Upper

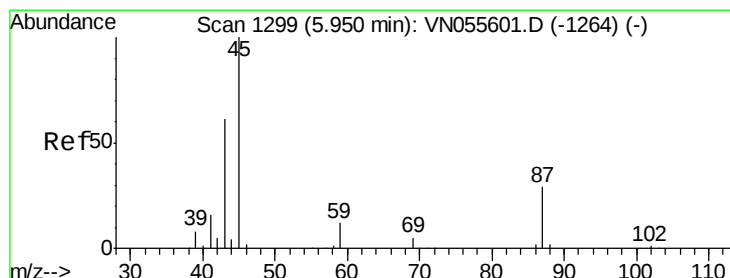
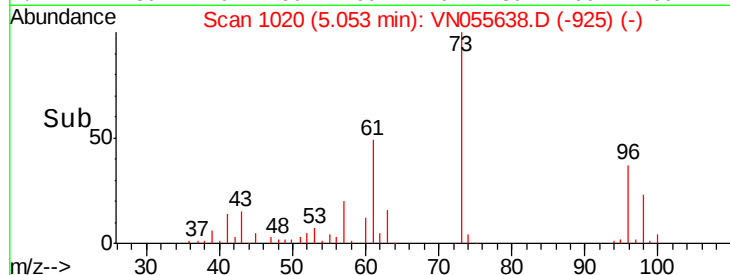
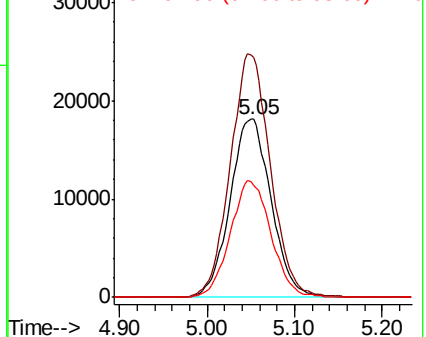
96 100

61 134.7 108.6 162.8

98 62.8 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: 18.922 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Tgt Ion: 45 Resp: 175888

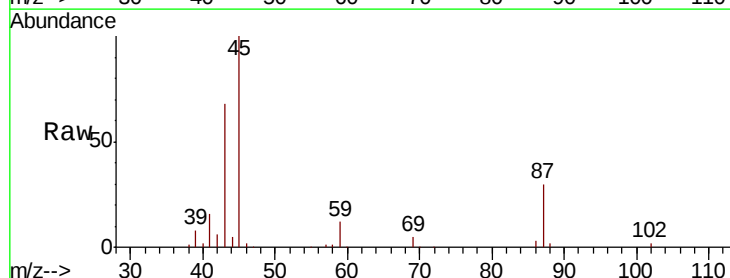
Ion Ratio Lower Upper

45 100

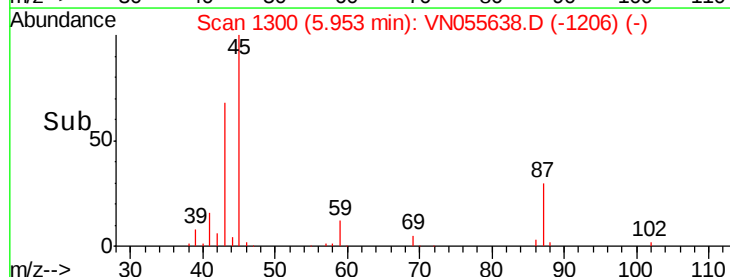
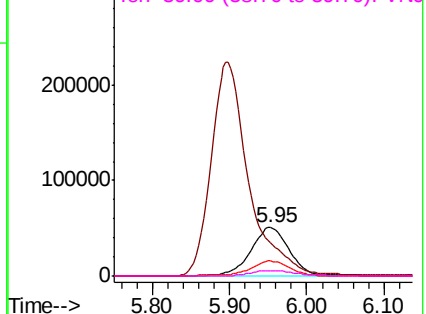
43 64.1 50.4 75.6

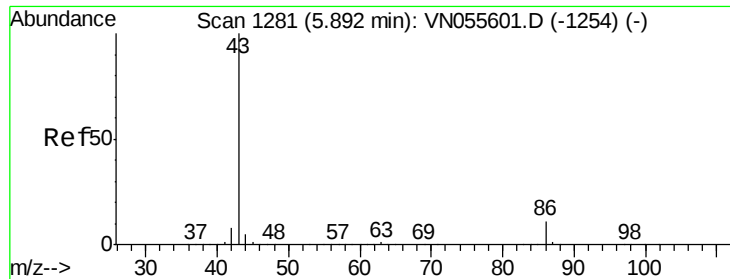
87 29.9 23.8 35.6

59 11.8 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

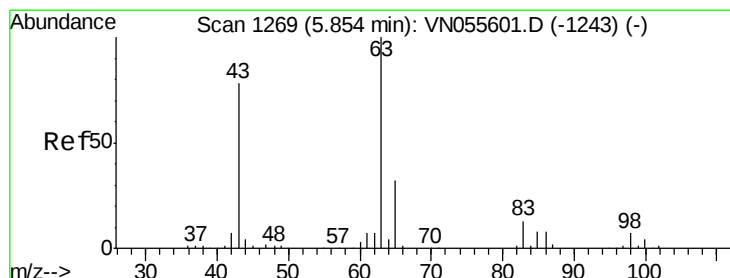
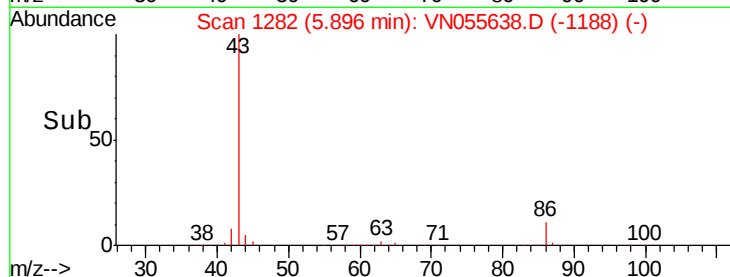
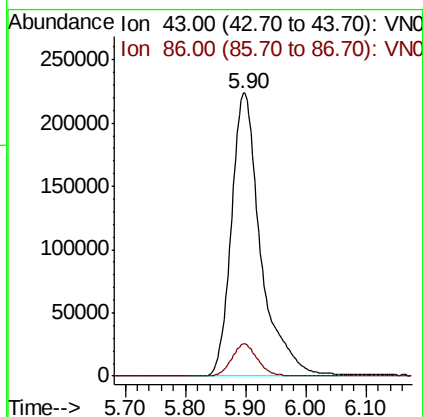
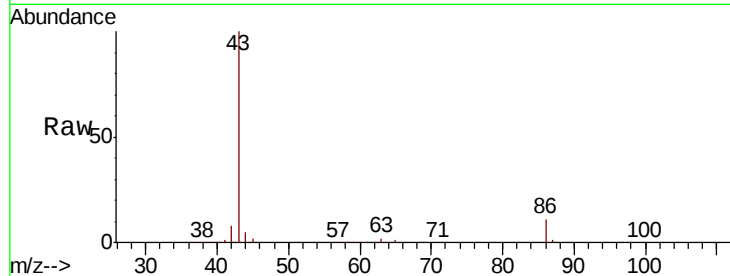




#23
 Vinyl Acetate
 Concen: 96.490 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

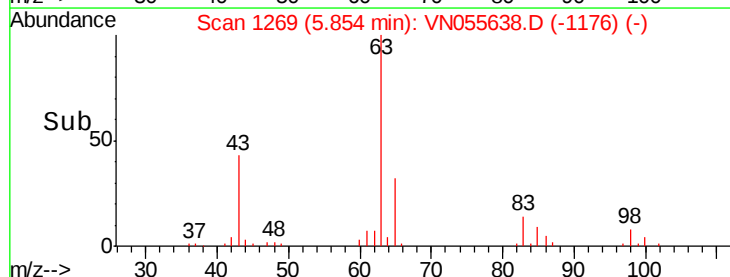
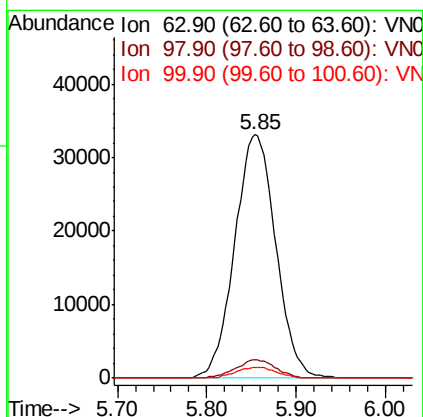
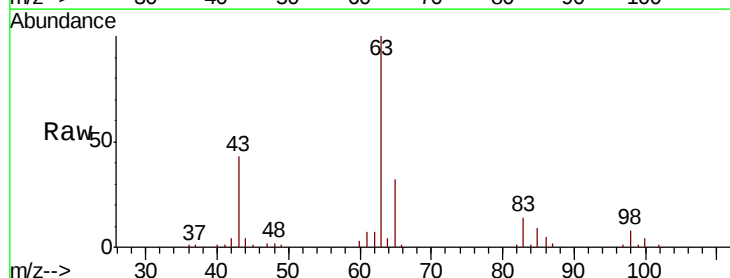
Instrument :
 MSVOA_N
 ClientSampled :

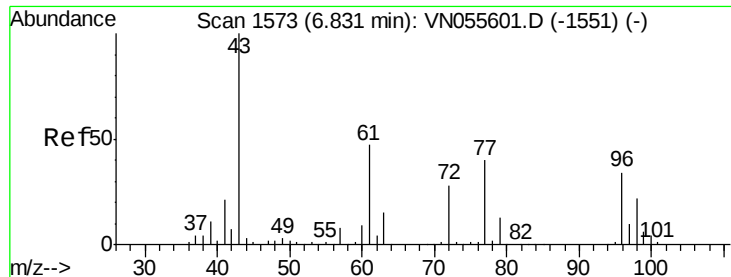
Tot Ion: 43 Resp: 761051
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 19.417 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion: 63 Resp: 105827
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.4 10.2
 100 4.4 2.2 6.6

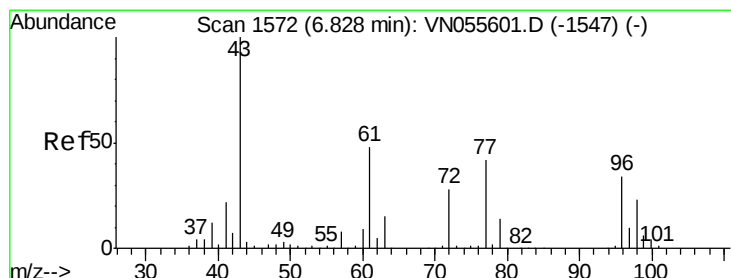
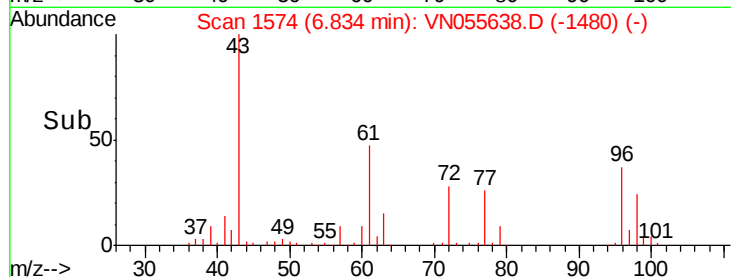
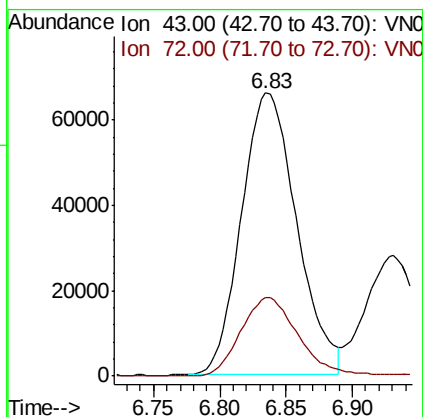
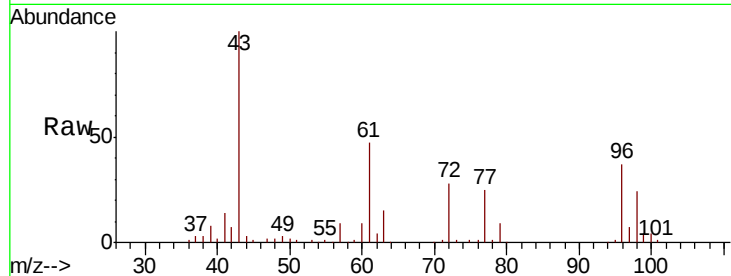




#25
2-Butanone
Concen: 96.142 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

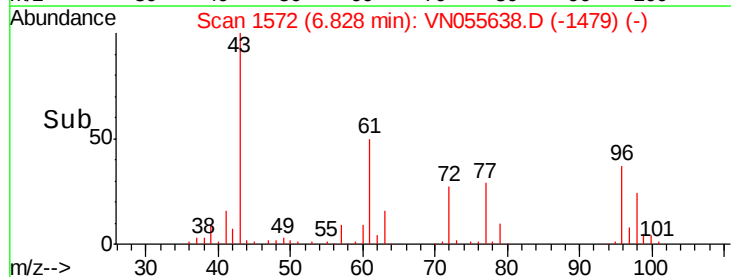
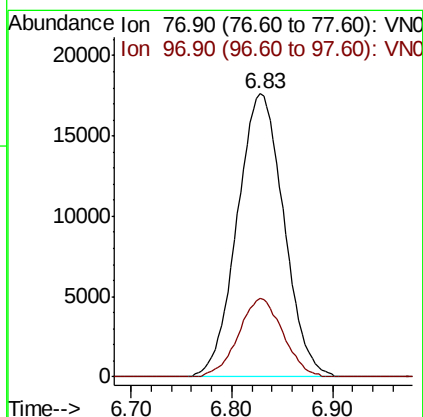
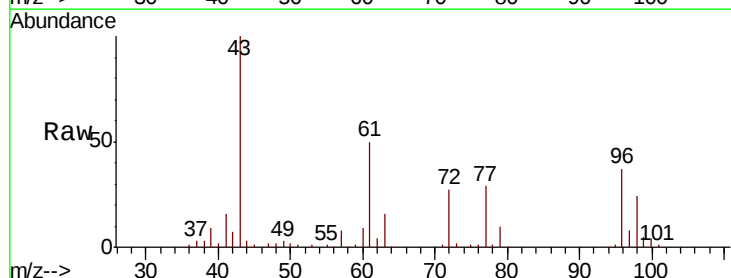
Instrument :
MSVOA_N
ClientSampled :

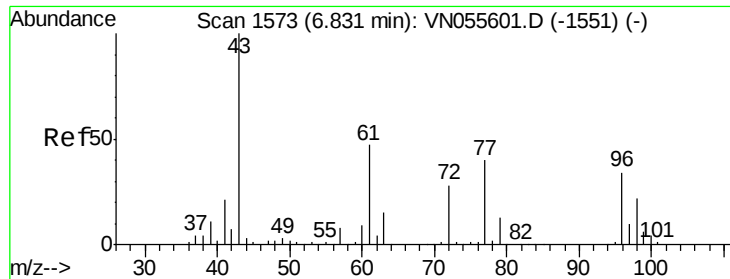
Tot Ion: 43 Resp: 191340
Ion Ratio Lower Upper
43 100
72 28.0 22.3 33.5



#26
2,2-Dichloropropane
Concen: 11.677 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 77 Resp: 56485
Ion Ratio Lower Upper
77 100
97 26.4 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.539 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :

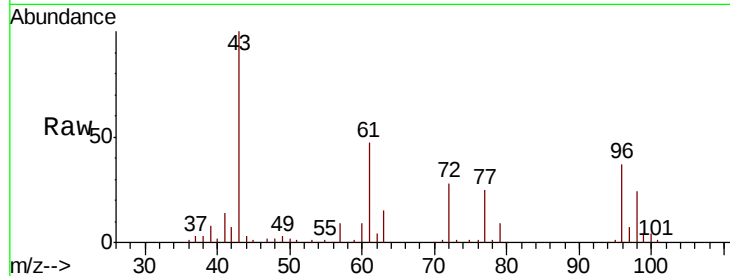
Tot Ion: 96 Resp: 70429

Ion Ratio Lower Upper

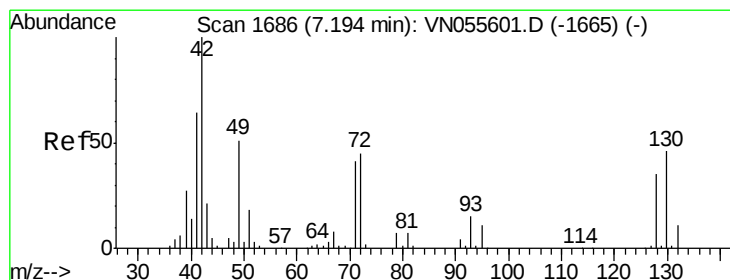
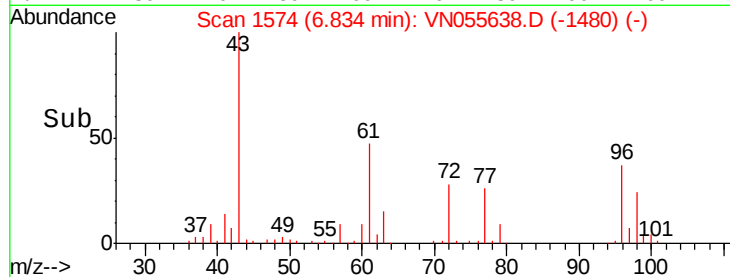
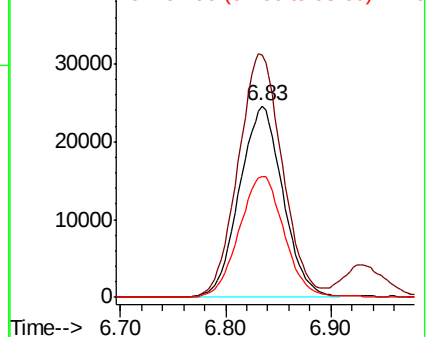
96 100

61 129.6 0.0 279.0

98 65.3 0.0 131.6



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



#28

Bromochloromethane

Concen: 20.434 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

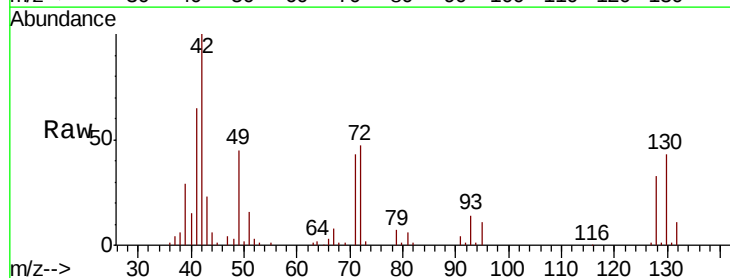
Tgt Ion: 49 Resp: 48453

Ion Ratio Lower Upper

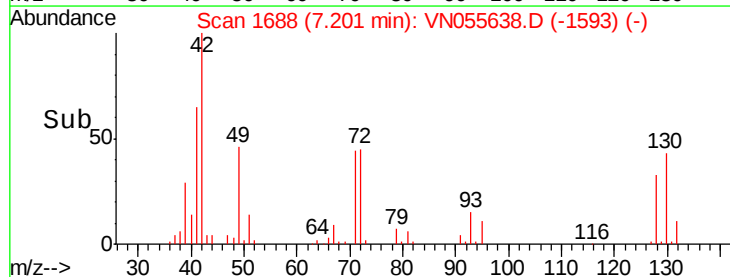
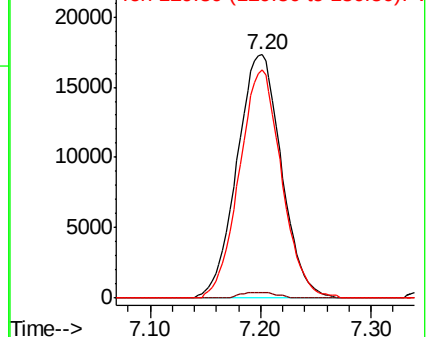
49 100

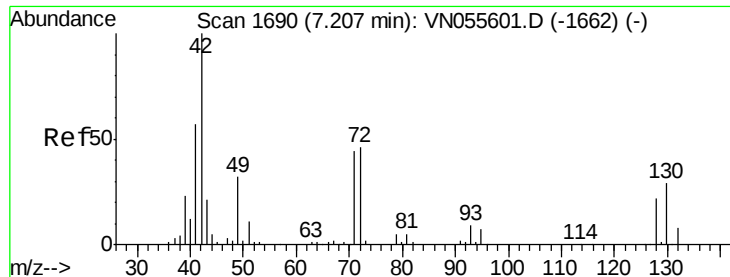
129 1.9 0.0 4.4

130 89.1 71.0 106.6



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

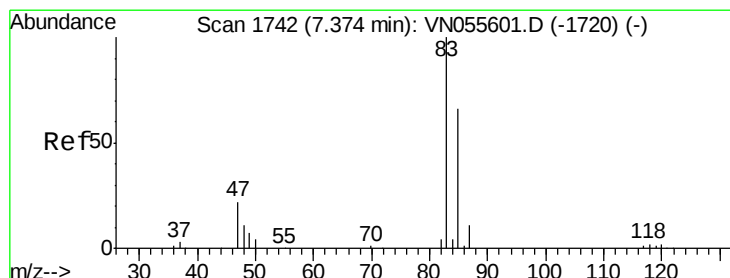
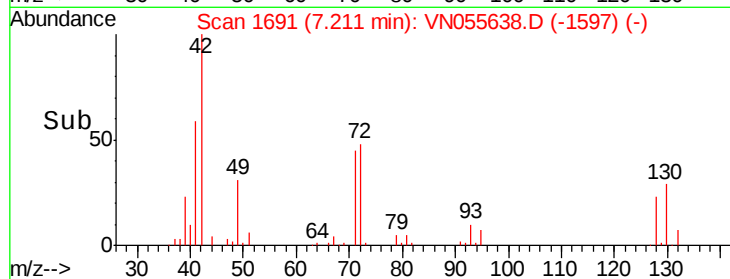
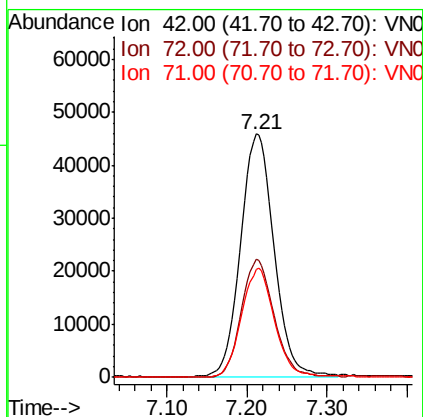
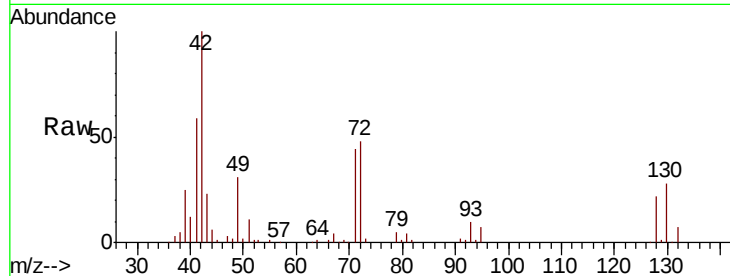




#29
Tetrahydrofuran
Concen: 99.403 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

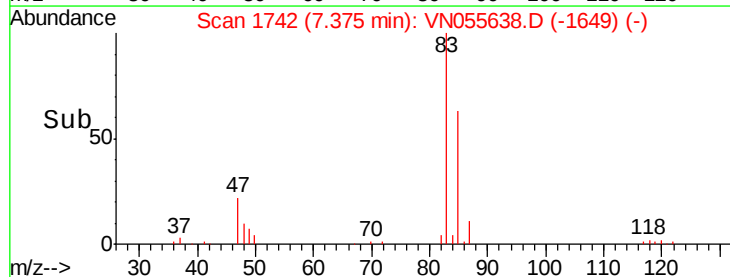
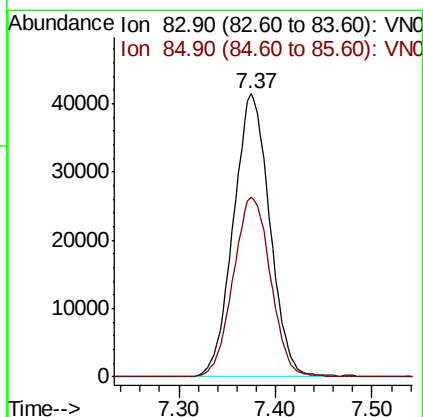
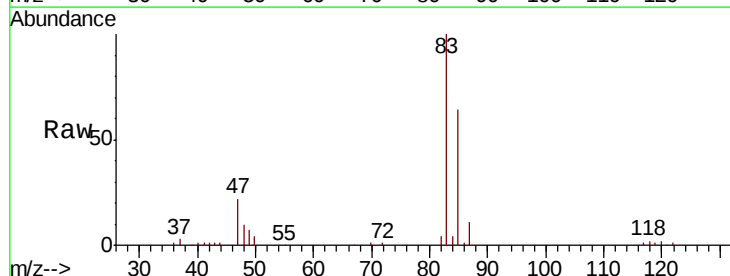
Instrument :
MSVOA_N
ClientSampled :

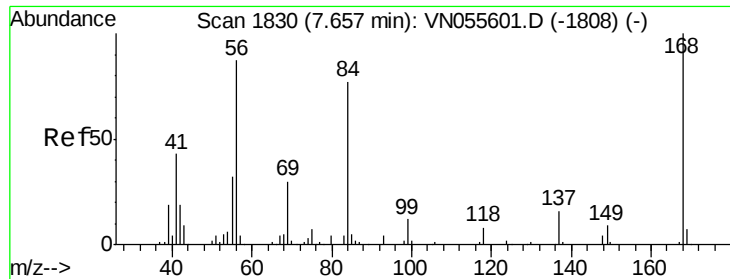
Tot Ion: 42 Resp: 131065
Ion Ratio Lower Upper
42 100
72 46.8 36.5 54.7
71 44.2 34.9 52.3



#30
Chloroform
Concen: 19.332 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 83 Resp: 108155
Ion Ratio Lower Upper
83 100
85 63.7 52.6 78.8

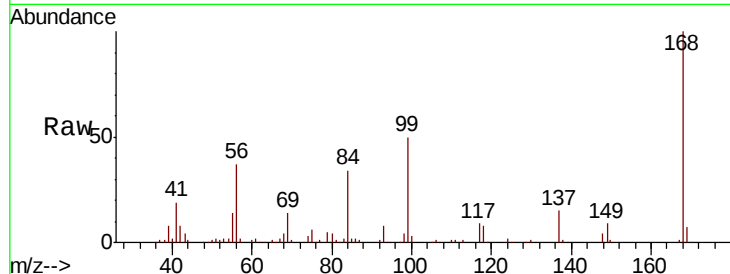




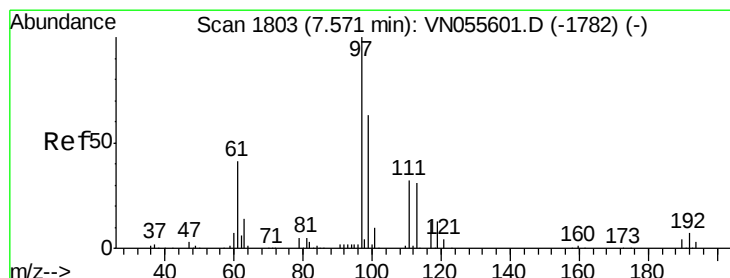
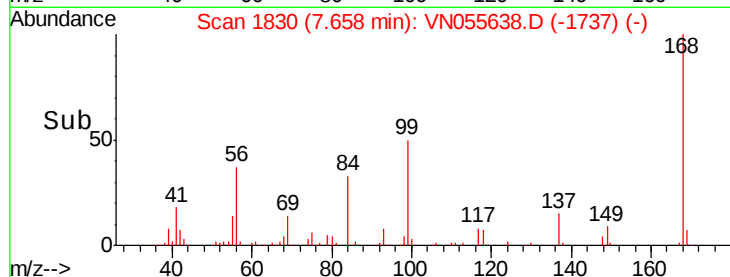
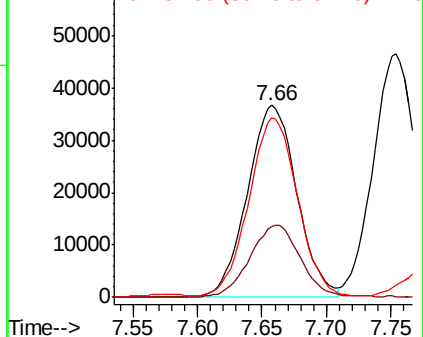
#31
Cyclohexane
Concen: 18.967 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 98110
Ion Ratio Lower Upper
56 100
69 37.1 27.2 40.8
84 92.2 71.3 106.9

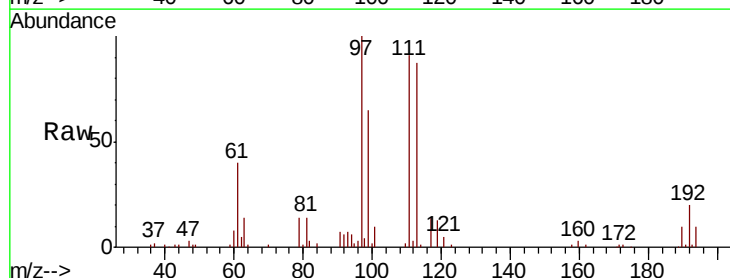


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

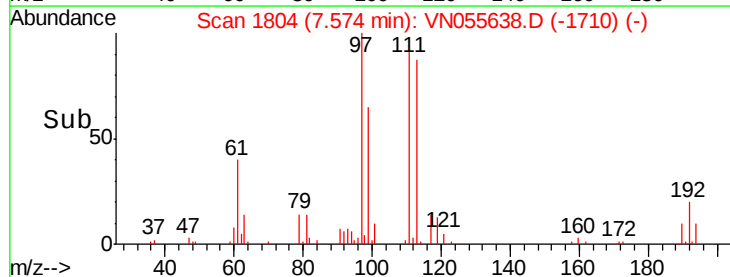
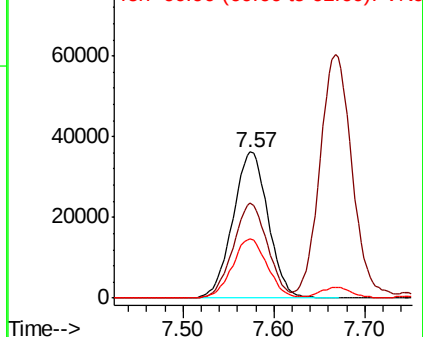


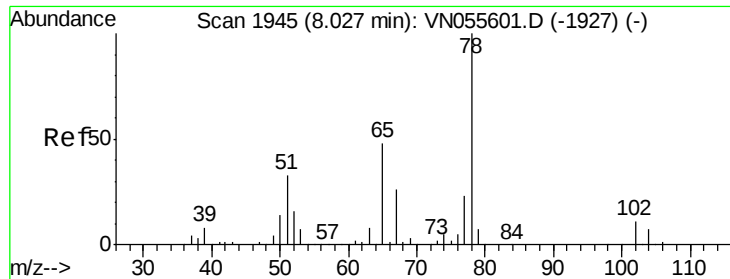
#32
1,1,1-Trichloroethane
Concen: 19.431 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 97 Resp: 97506
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.2
61 39.9 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

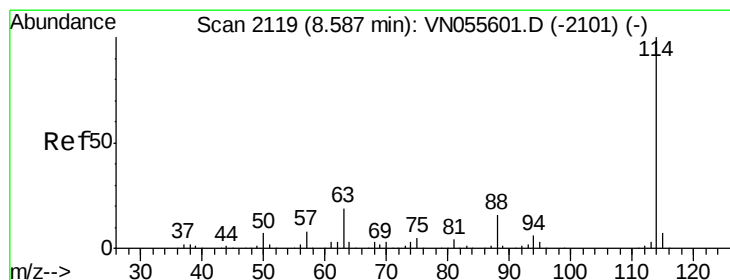
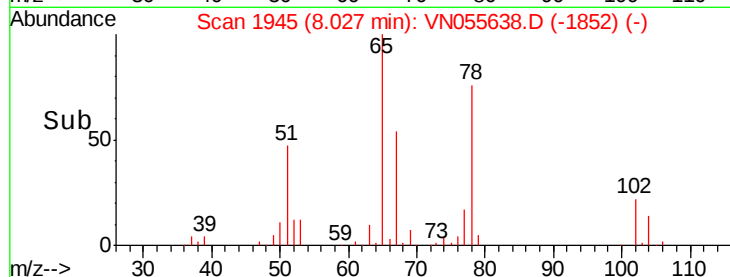
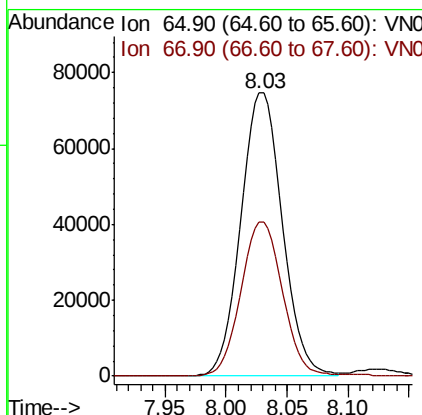
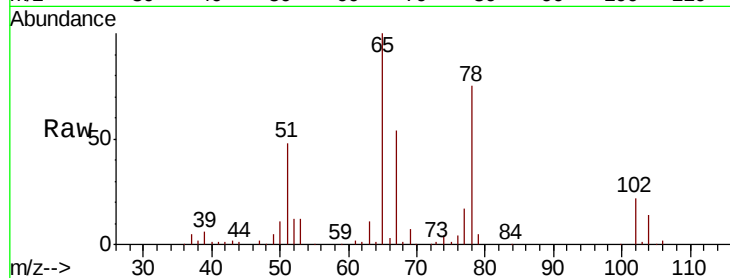




#33
 1,2-Dichloroethane-d4
 Concen: 50.383 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

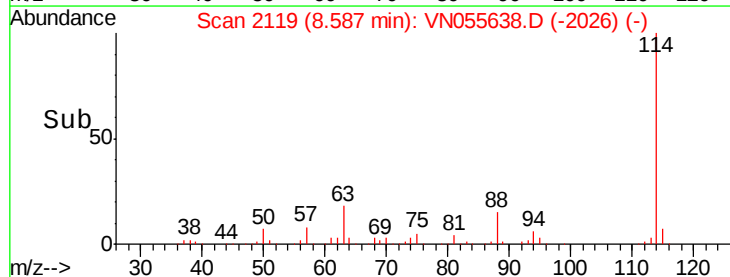
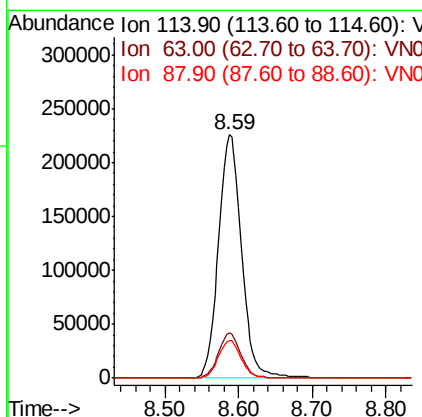
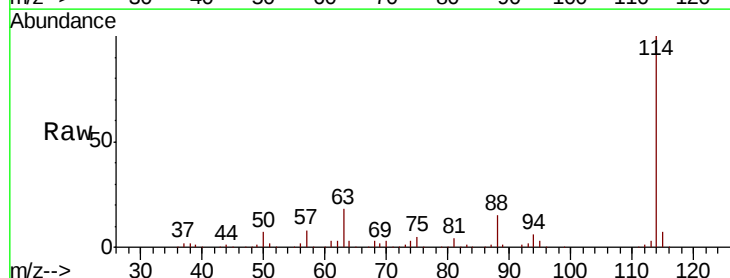
Instrument :
 MSVOA_N
 ClientSampled :

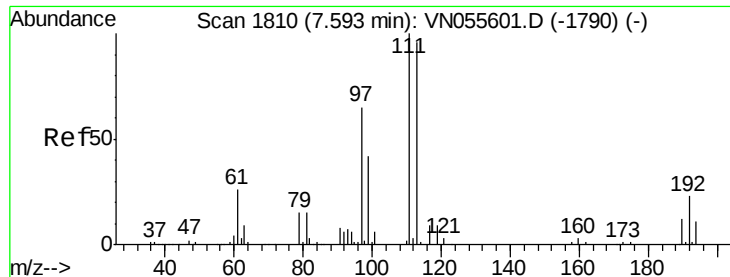
Tot Ion: 65 Resp: 175729
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion: 114 Resp: 491291
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.2
 88 15.4 0.0 31.0

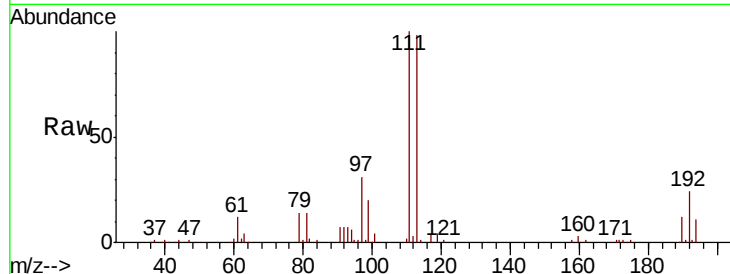




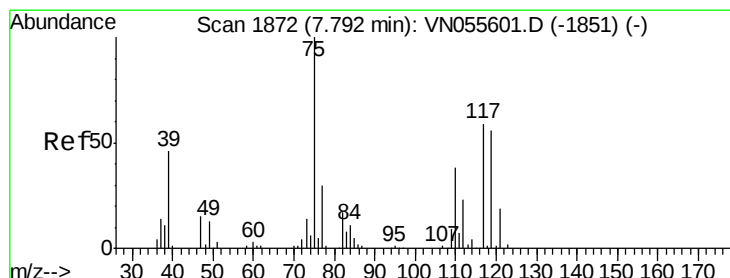
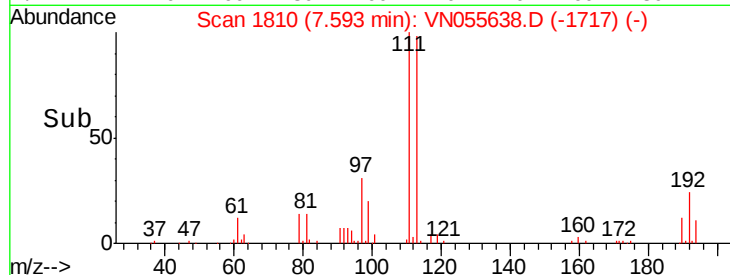
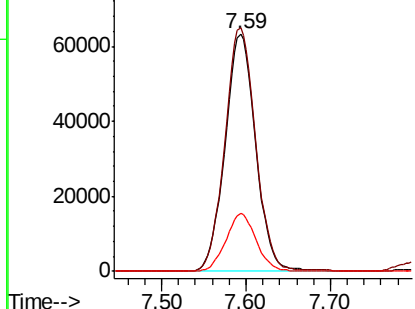
#35
 Dibromofluoromethane
 Concen: 51.080 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.5	123.7
192	23.9	18.7	28.1

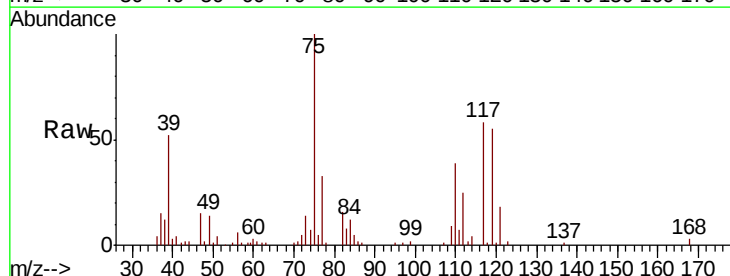


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

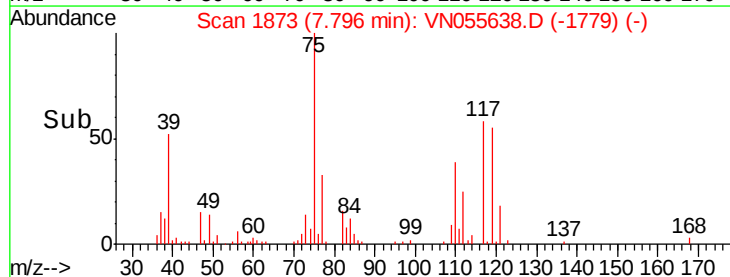
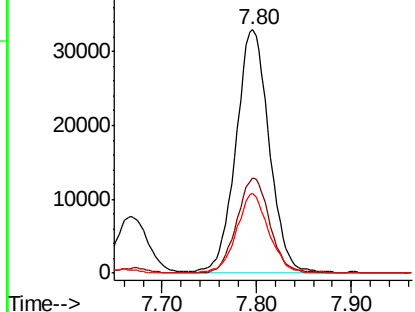


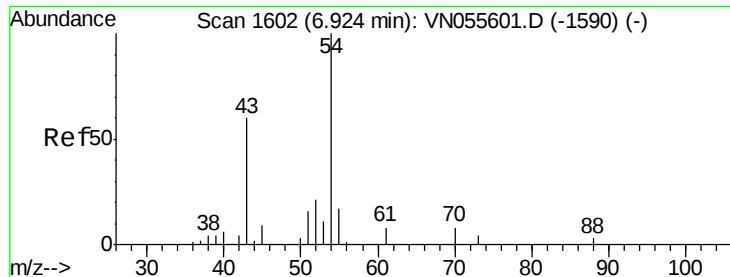
#36
 1,1-Dichloropropene
 Concen: 18.513 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.6	55.6
77	31.4	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

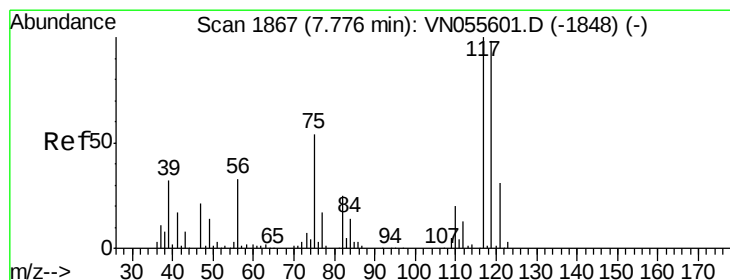
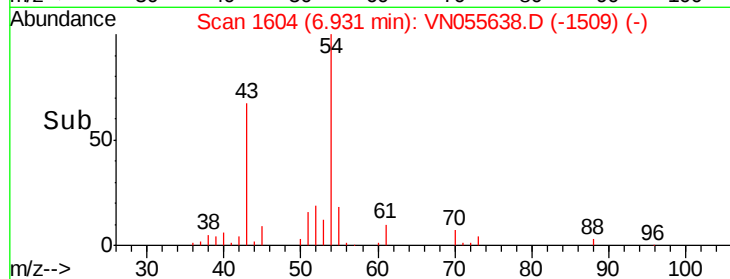
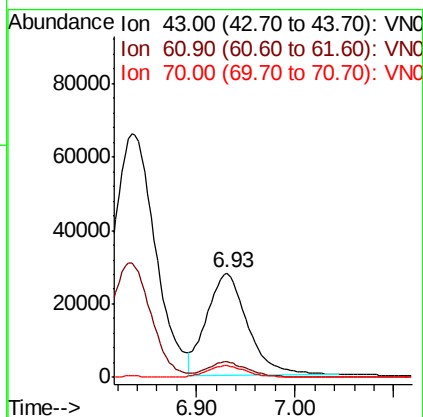
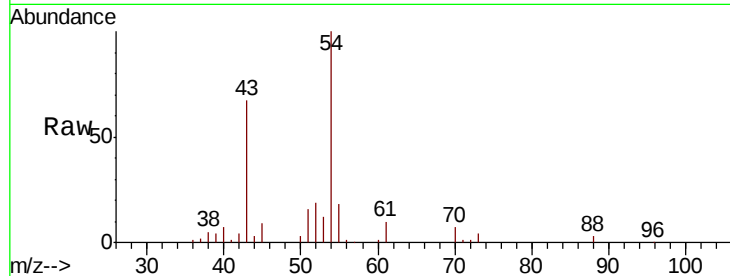




#37
Ethyl Acetate
Concen: 20.292 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

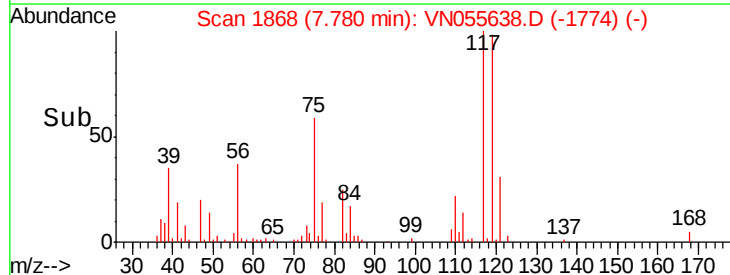
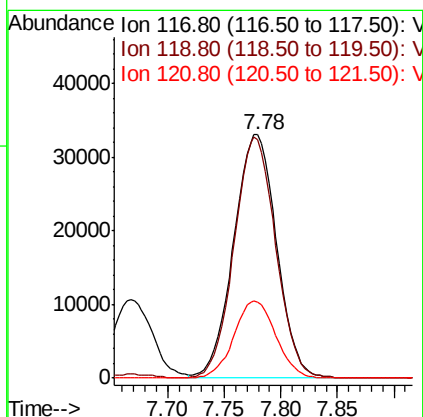
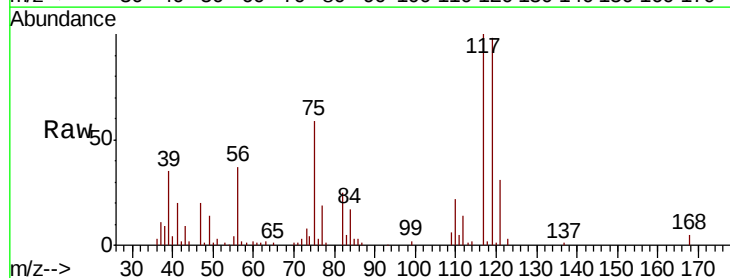
Instrument :
MSVOA_N
ClientSampled :

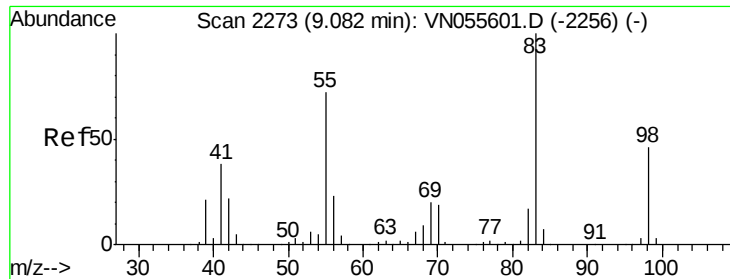
Tot Ion: 43 Resp: 80204
Ion Ratio Lower Upper
43 100
61 15.4 11.4 17.0
70 11.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.689 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 117 Resp: 87476
Ion Ratio Lower Upper
117 100
119 97.8 77.8 116.8
121 31.0 24.6 37.0

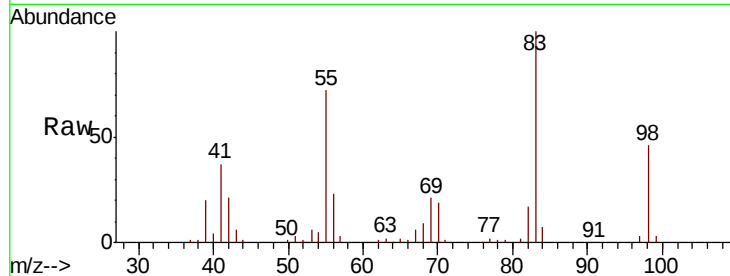




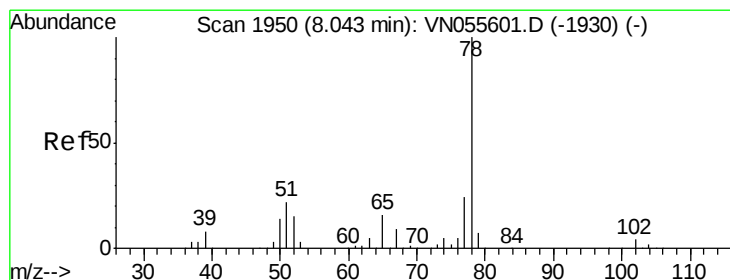
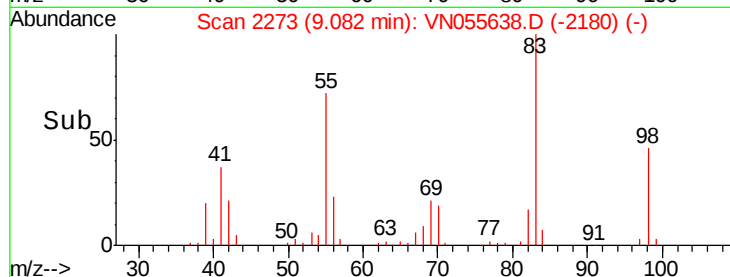
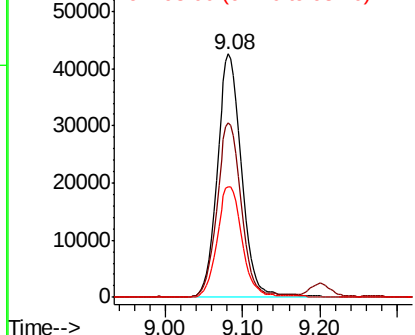
#39
Methvlcvclohexane
Concen: 17.716 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 93544
Ion Ratio Lower Upper
83 100
55 71.4 57.8 86.6
98 45.6 36.7 55.1

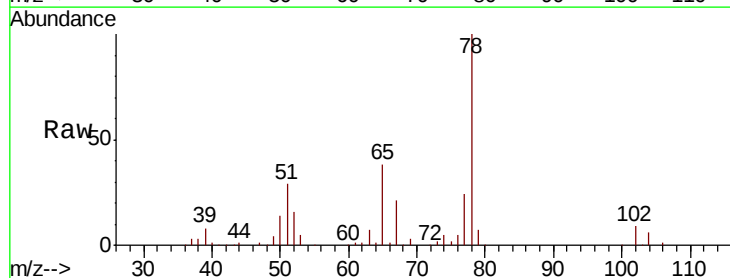


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

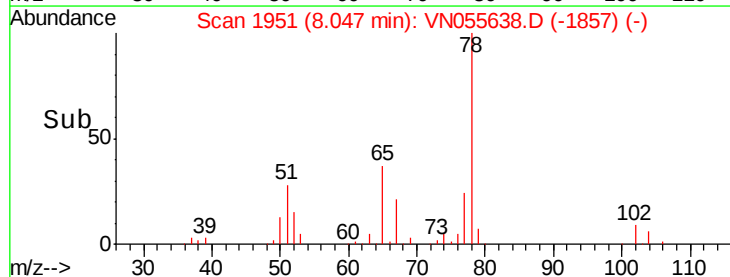
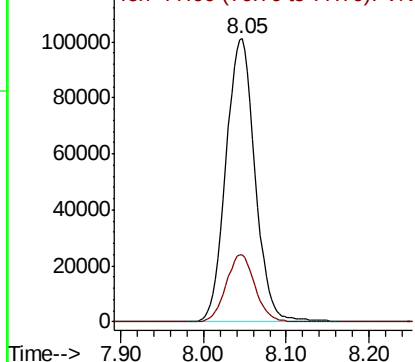


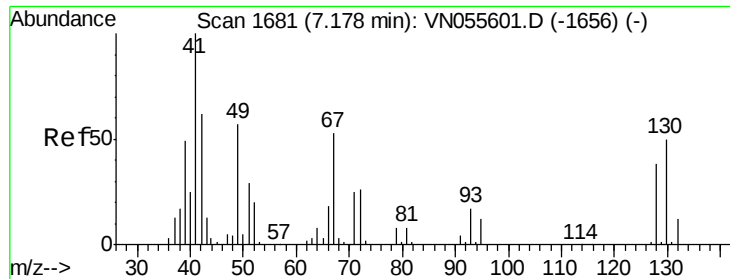
#40
Benzene
Concen: 19.164 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 78 Resp: 246901
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3



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

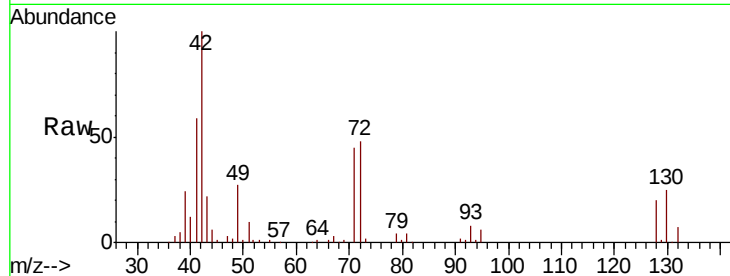




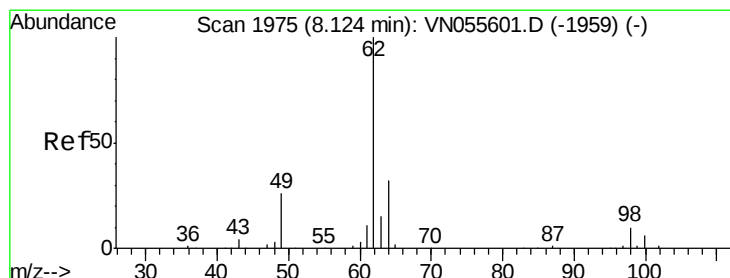
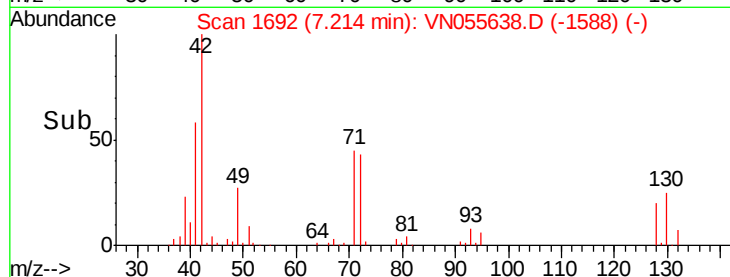
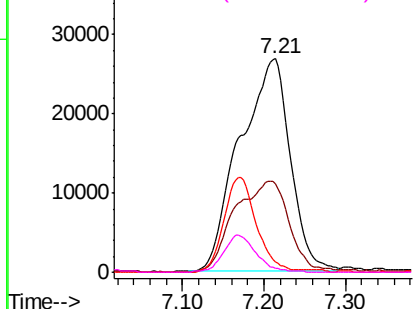
#41
Methacrylonitrile
Concen: 68.170 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	115198
Ion	Ratio	Lower	Upper
41	100		
39	46.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

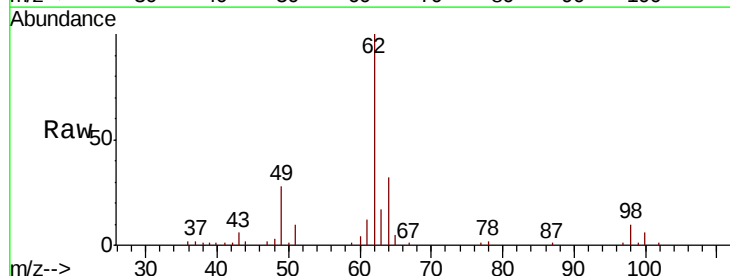


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

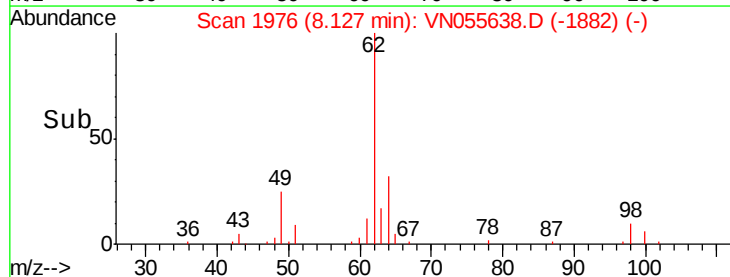
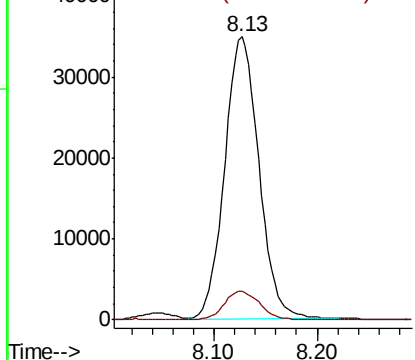


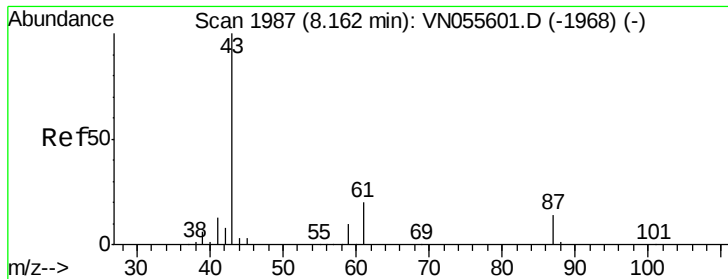
#42
1,2-Dichloroethane
Concen: 19.367 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion:	62	Resp:	80797
Ion	Ratio	Lower	Upper
62	100		
98	10.4	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: 19.219 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :
MSVOA_N
ClientSampleId :

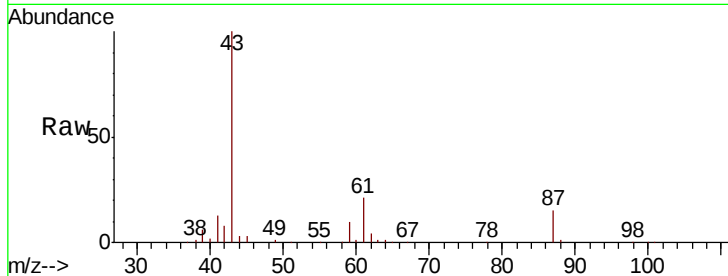
Tot Ion: 43 Resp: 132136

Ion Ratio Lower Upper

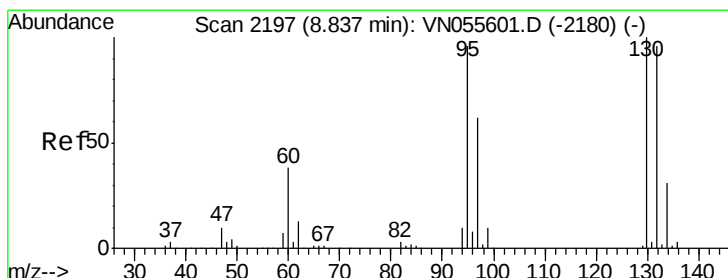
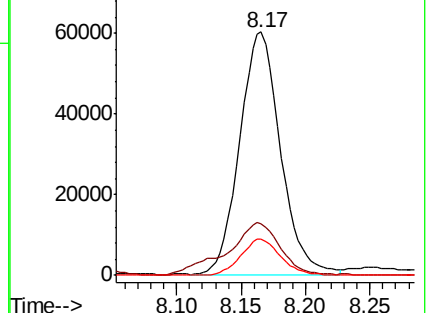
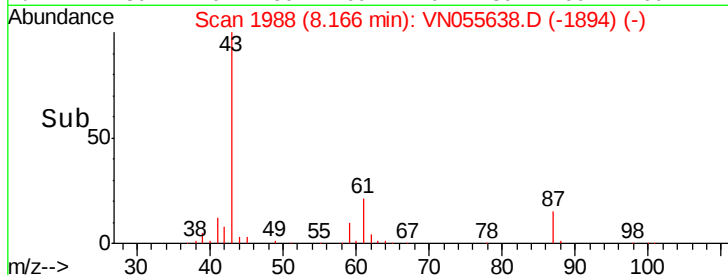
43 100

61 28.4 22.1 33.1

87 14.7 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN055638.D (-1988) (-)



#44

Trichloroethene

Concen: 19.504 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055638.D

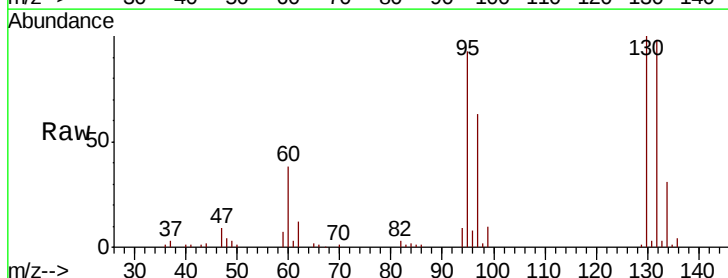
Acq: 18 May 2019 3:22

Tgt Ion:130 Resp: 70904

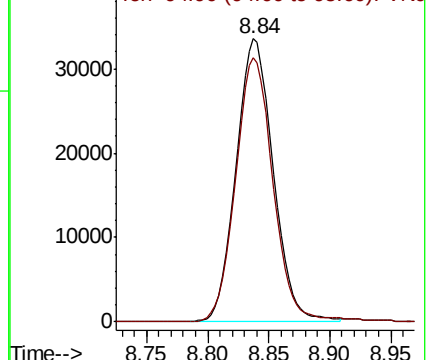
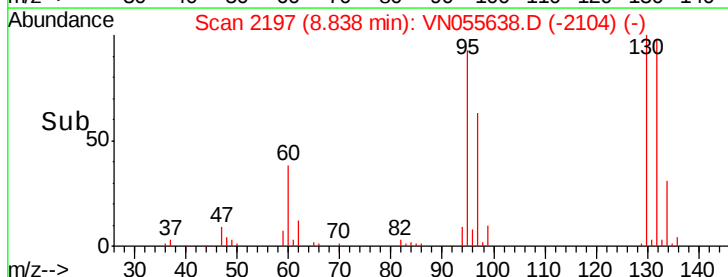
Ion Ratio Lower Upper

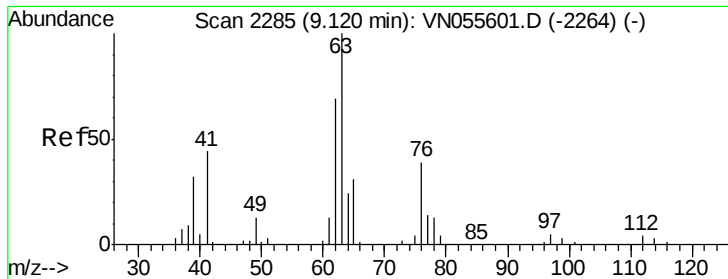
130 100

95 93.5 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055638.D (-2197) (-)





#45

1,2-Dichloropropane

Concen: 19.138 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

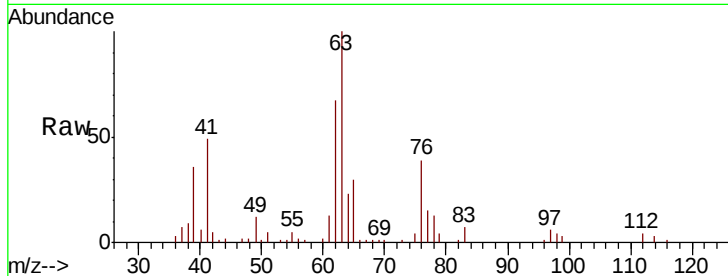
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 64956

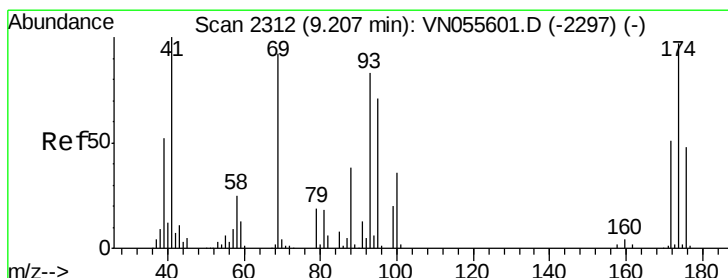
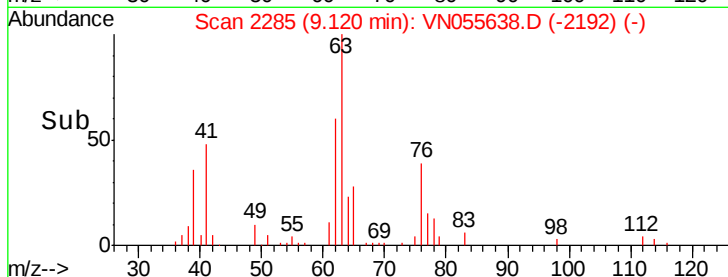
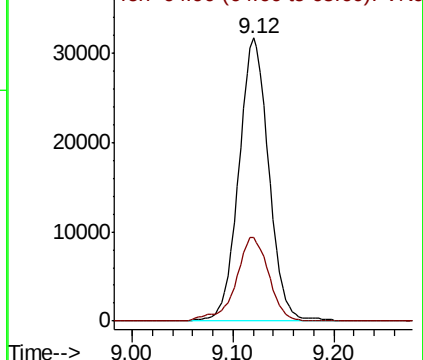
Ion Ratio Lower Upper

63 100

65 29.5 25.2 37.8



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



#46

Dibromomethane

Concen: 19.681 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

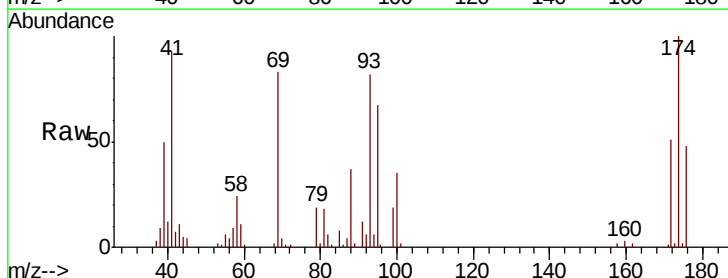
Tgt Ion: 93 Resp: 43719

Ion Ratio Lower Upper

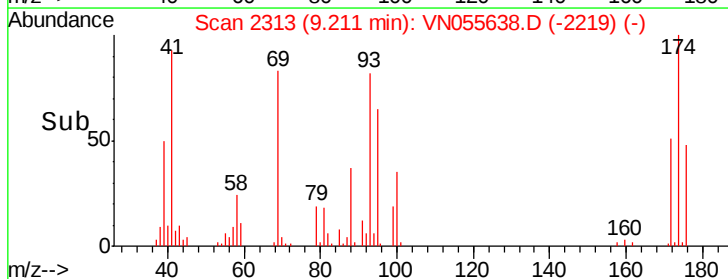
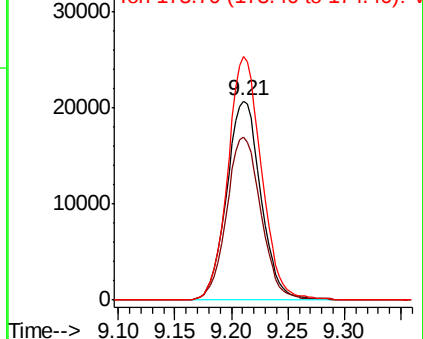
93 100

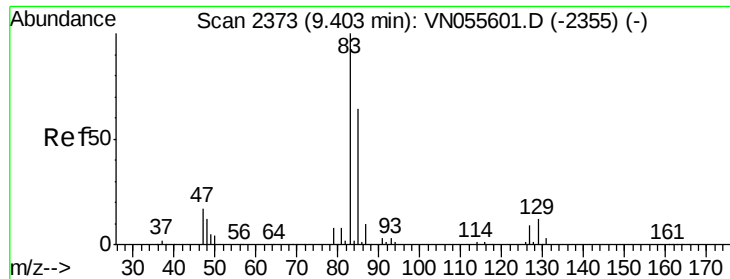
95 82.3 67.9 101.9

174 120.0 93.8 140.6



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





#47

Bromodichloromethane

Concen: 18.981 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampled :

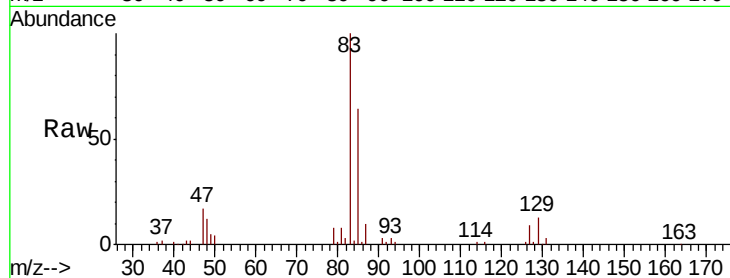
Tot Ion: 83 Resp: 88371

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.0

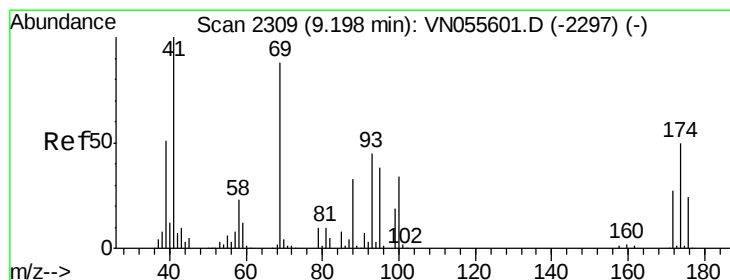
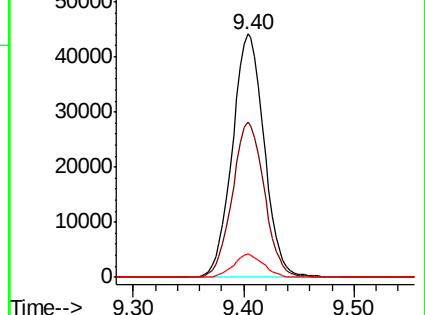
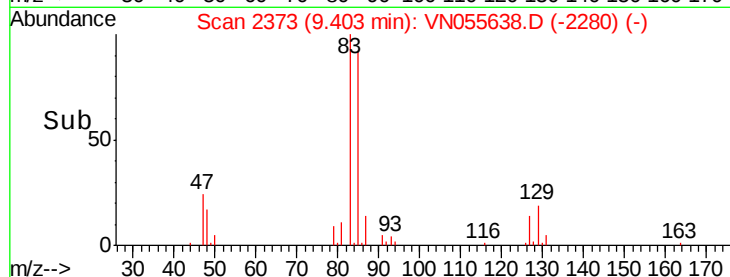
127 9.5 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN055601.D (-2355) (-)



#48

Methyl methacrylate

Concen: 20.298 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

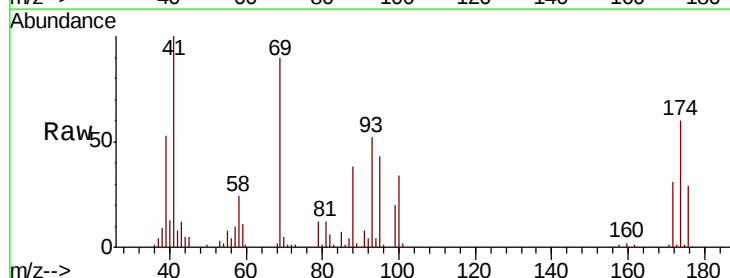
Tgt Ion: 41 Resp: 62378

Ion Ratio Lower Upper

41 100

69 91.3 74.2 111.2

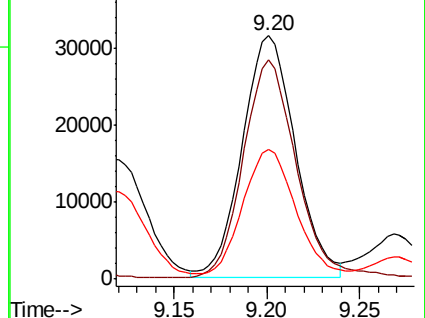
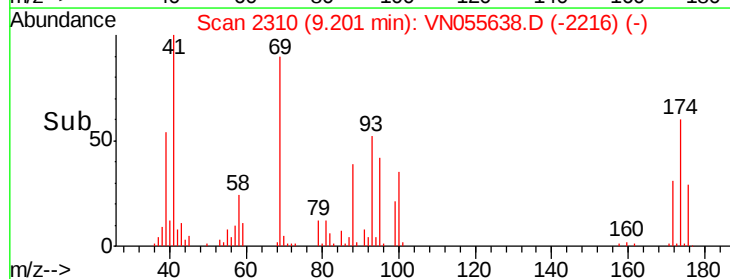
39 55.3 43.8 65.8

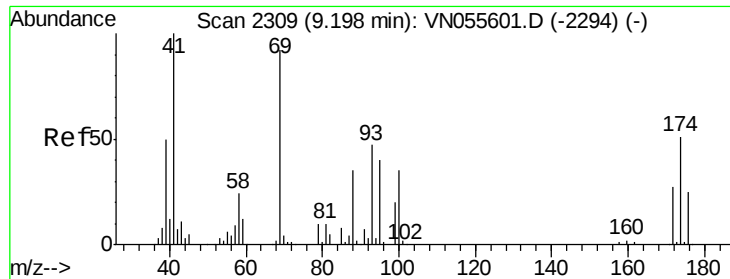


Abundance Ion 41.00 (40.70 to 41.70): VN055601.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055601.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055601.D (-2297) (-)

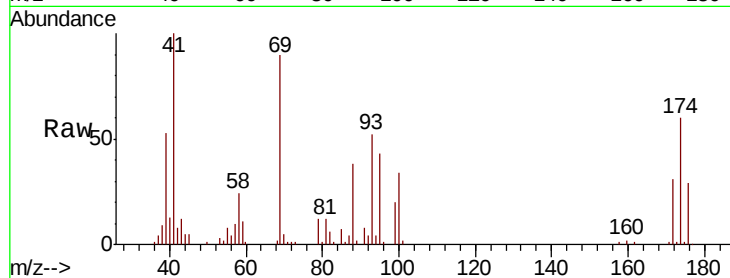




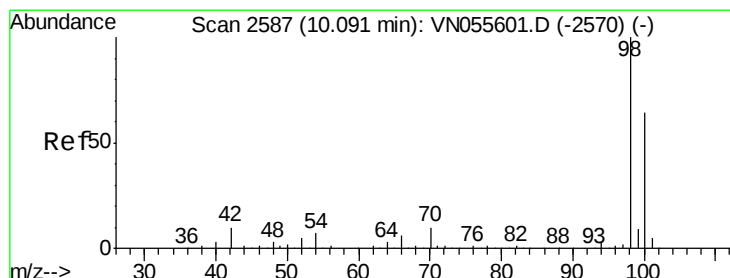
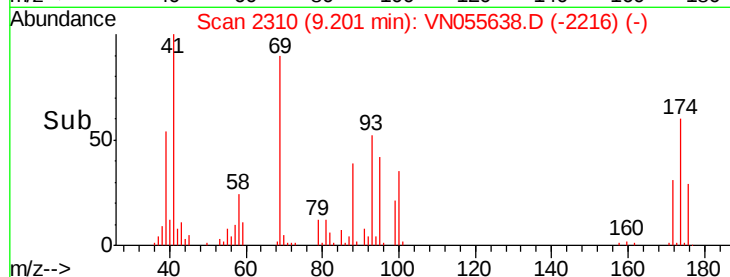
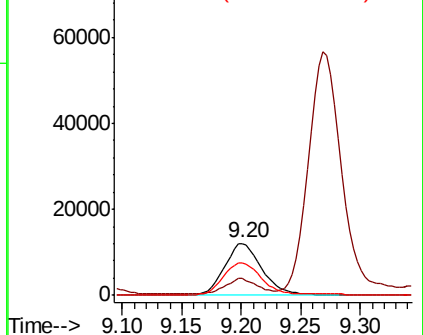
#49
 1,4-Dioxane
 Concen: 431.854 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 26371
 Ion Ratio Lower Upper
 88 100
 43 26.4 22.4 33.6
 58 66.3 53.4 80.2

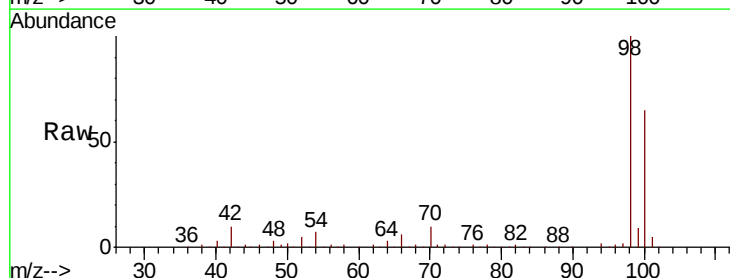


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

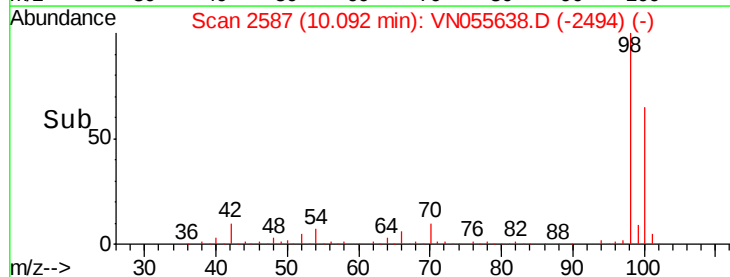
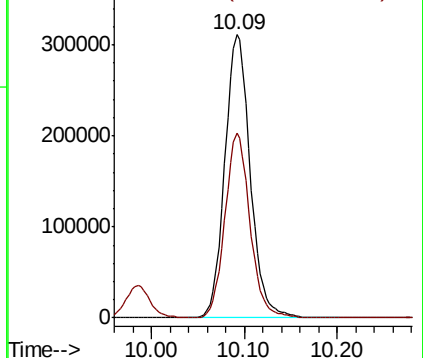


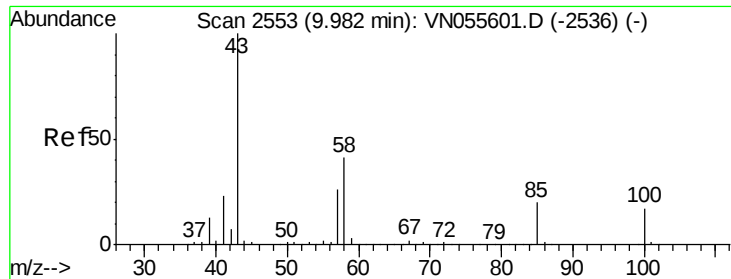
#50
 Toluene-d8
 Concen: 50.052 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion: 98 Resp: 590640
 Ion Ratio Lower Upper
 98 100
 100 64.5 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: 97.601 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

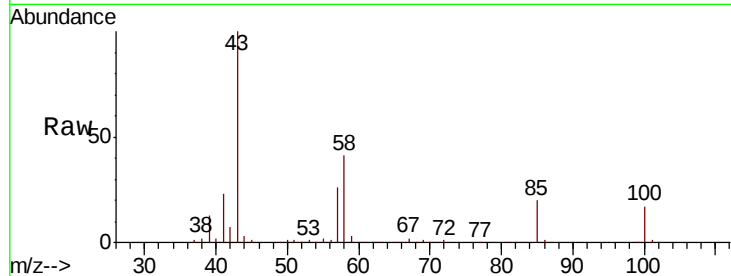
ClientSampled :

Tot Ion: 43 Resp: 393627

Ion Ratio Lower Upper

43 100

58 41.0 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.99

200000

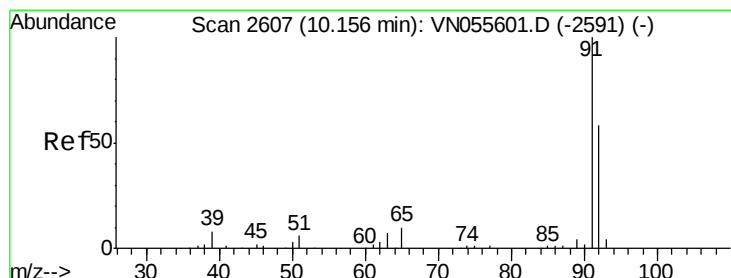
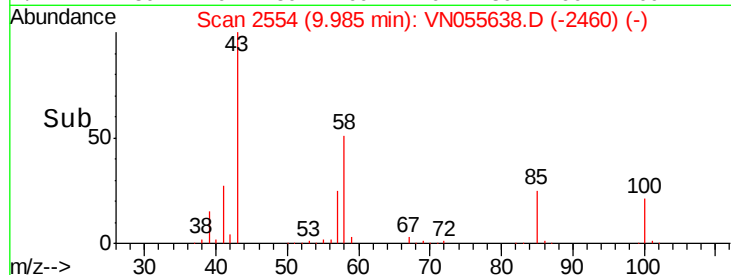
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.243 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055638.D

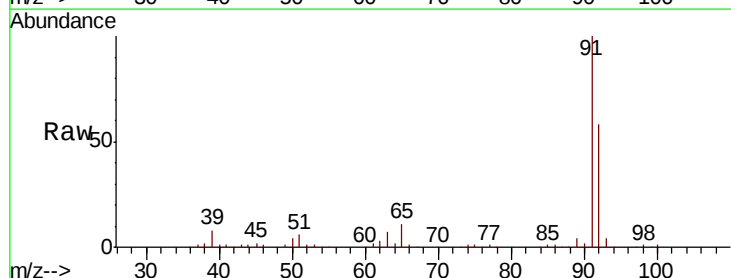
Acq: 18 May 2019 3:22

Tgt Ion: 92 Resp: 155494

Ion Ratio Lower Upper

92 100

91 172.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-2591) (-)

10.16

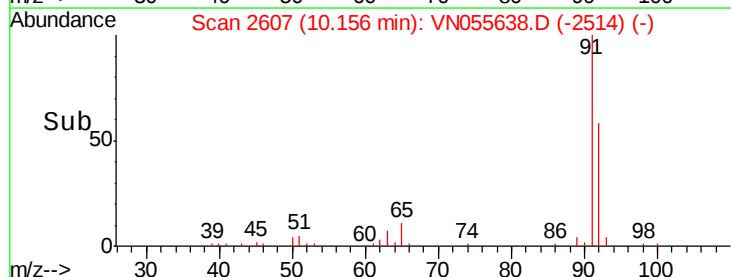
150000

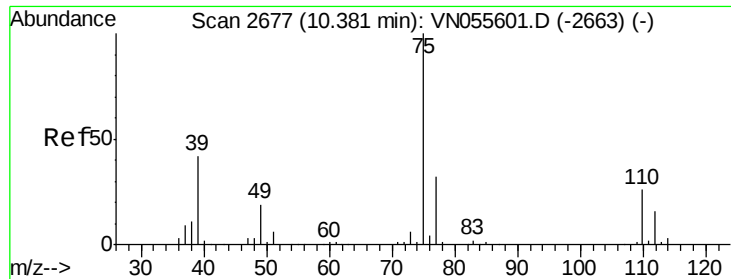
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.629 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

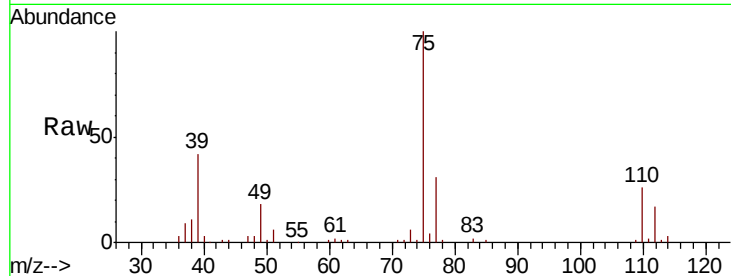
ClientSampled :

Tot Ion: 75 Resp: 88335

Ion Ratio Lower Upper

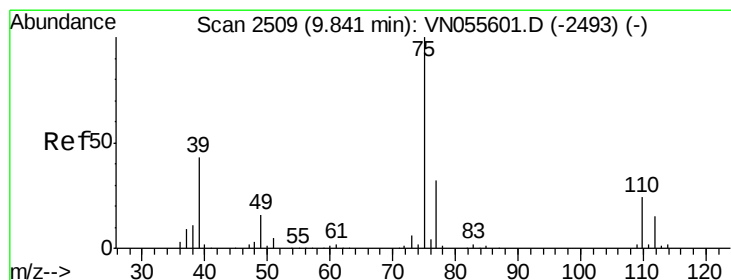
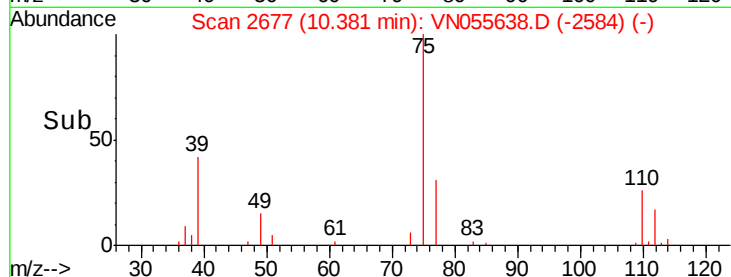
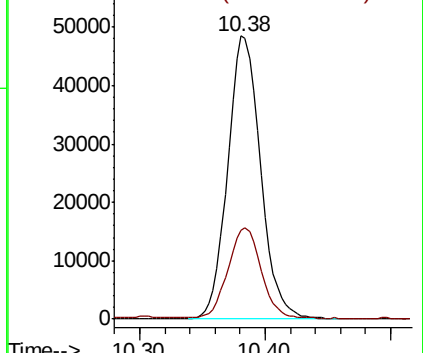
75 100

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.247 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

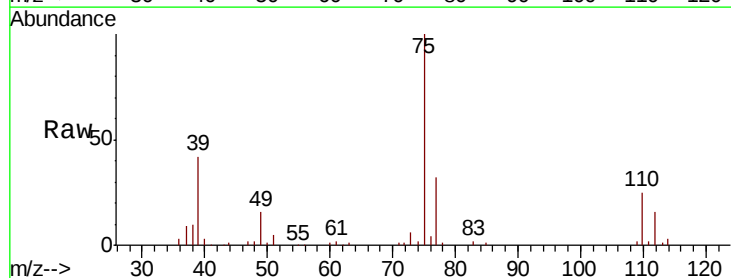
Tgt Ion: 75 Resp: 100165

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

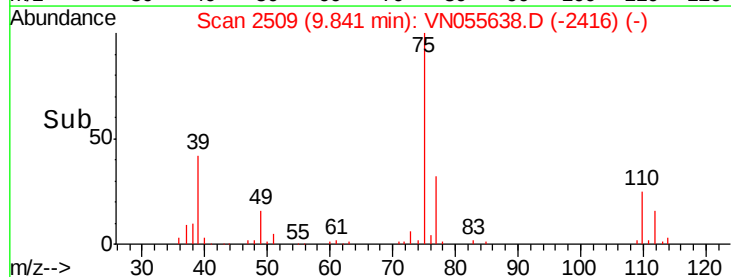
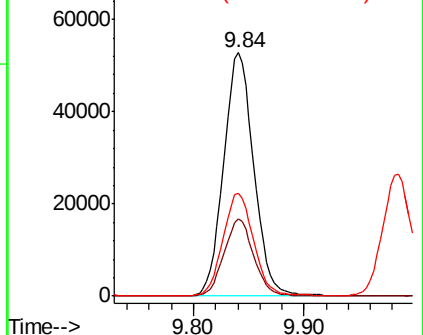
39 42.3 34.7 52.1

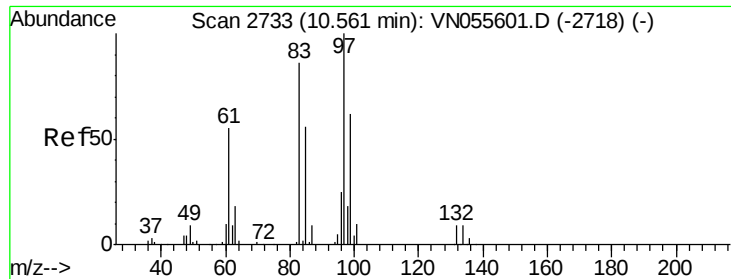


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.036 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 63325

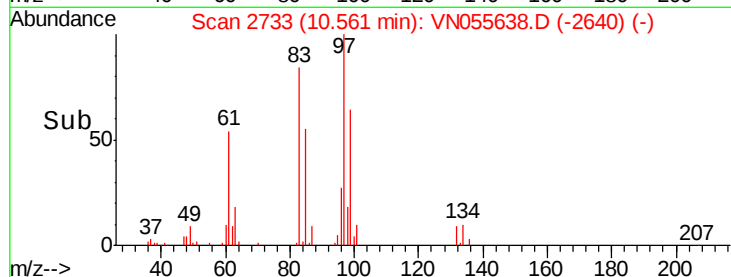
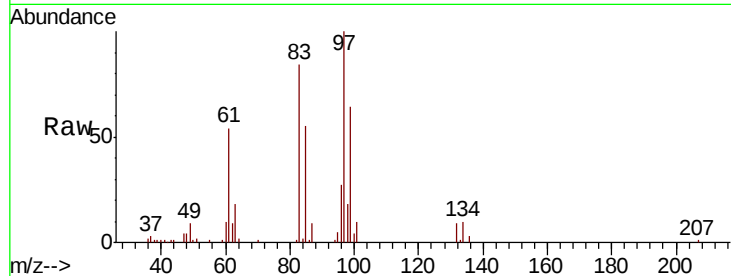
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.4	102.6
85	55.0	44.8	67.2
99	63.6	49.9	74.9

97 100

83 84.1 68.4 102.6

85 55.0 44.8 67.2

99 63.6 49.9 74.9



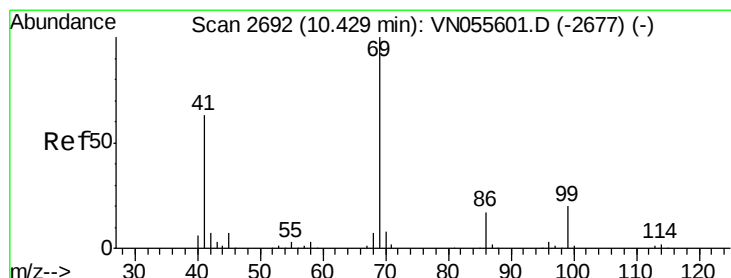
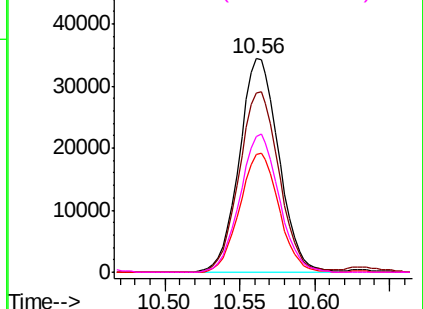
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.814 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

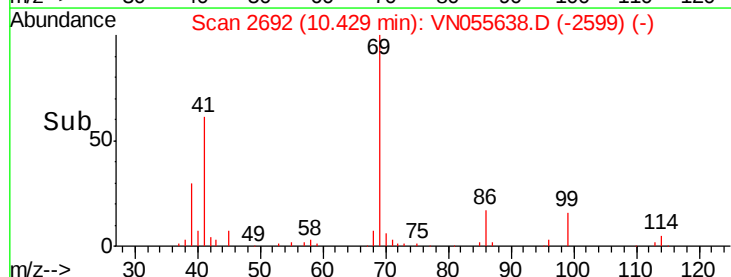
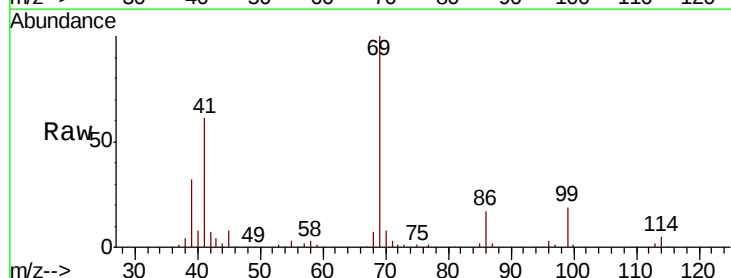
Tgt Ion: 69 Resp: 97702

Ion	Ratio	Lower	Upper
69	100		
41	61.3	50.3	75.5
39	32.2	25.4	38.2

69 100

41 61.3 50.3 75.5

39 32.2 25.4 38.2

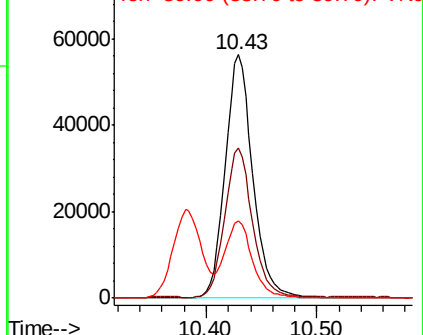


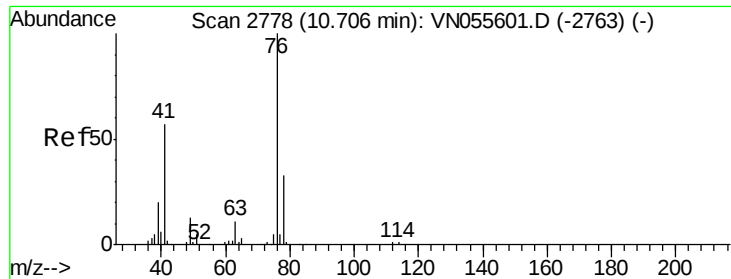
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.136 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

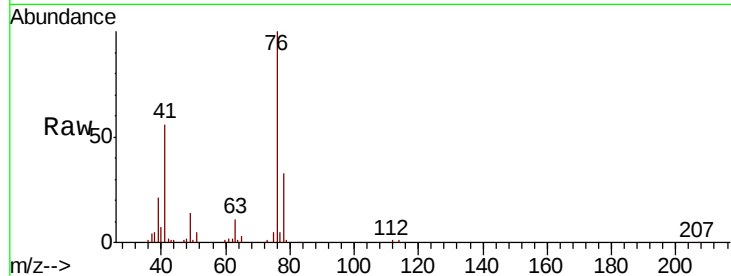
ClientSampled :

Tot Ion: 76 Resp: 100823

Ion Ratio Lower Upper

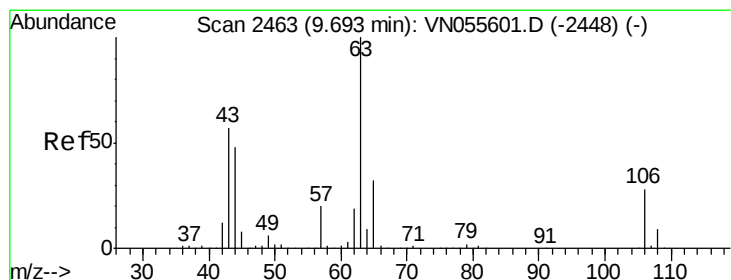
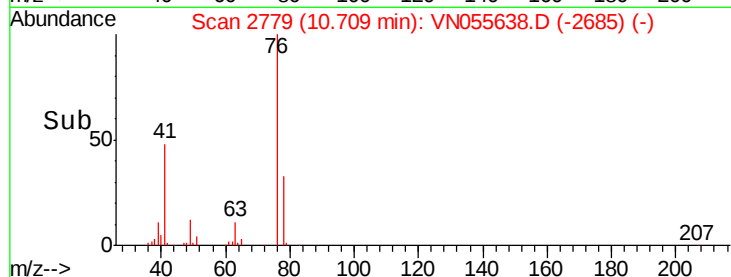
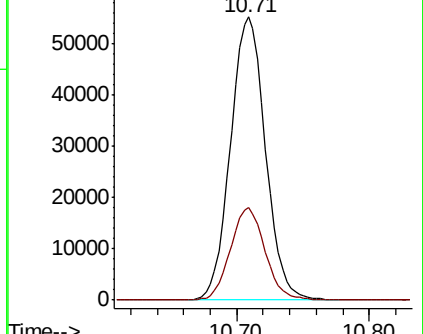
76 100

78 32.4 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.568 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055638.D

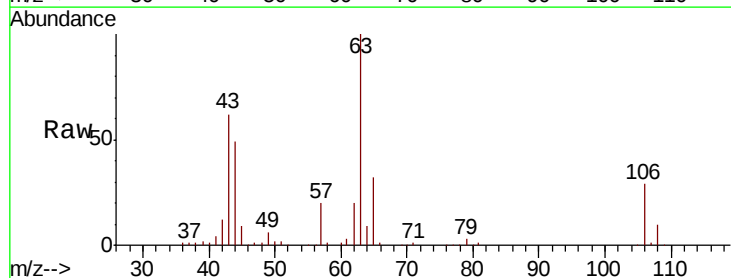
Acq: 18 May 2019 3:22

Tgt Ion: 63 Resp: 208666

Ion Ratio Lower Upper

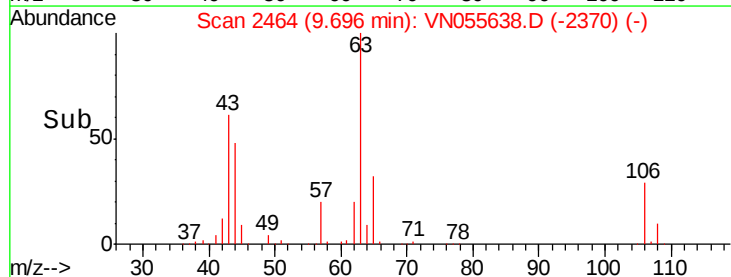
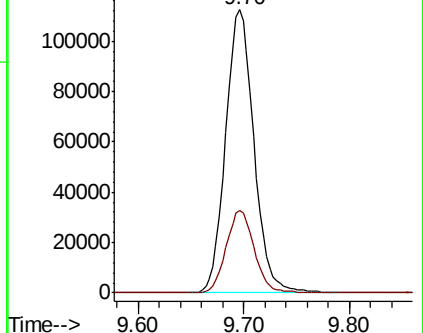
63 100

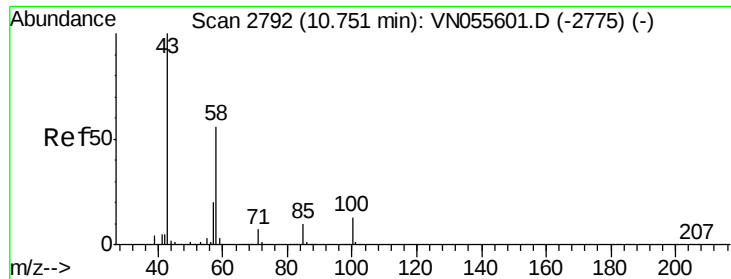
106 28.8 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

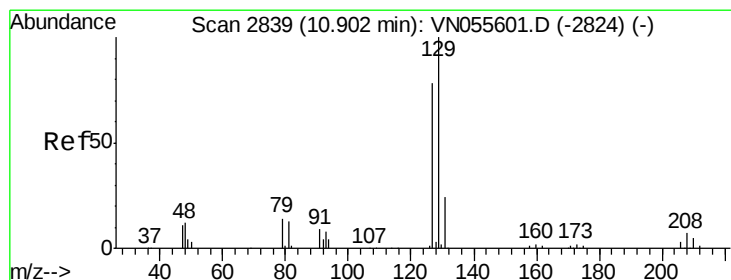
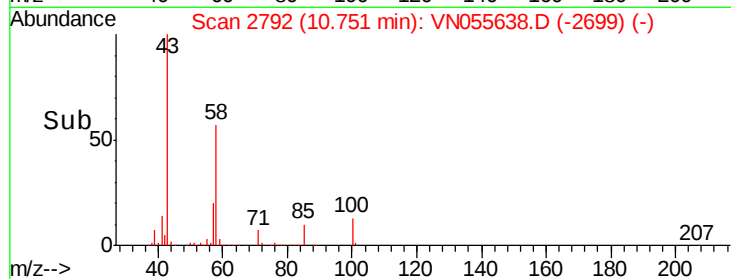
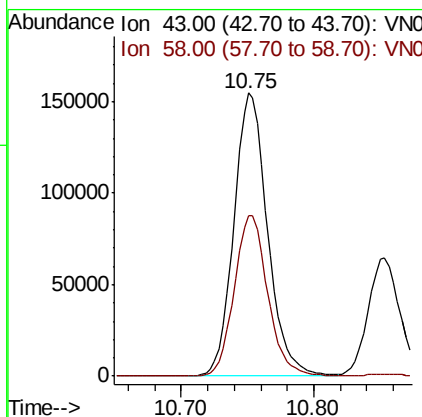
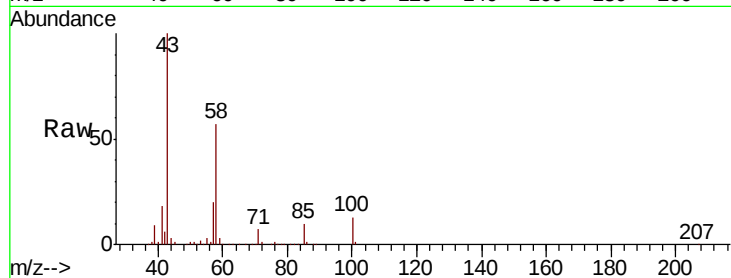




#59
2-Hexanone
Concen: 95.423 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

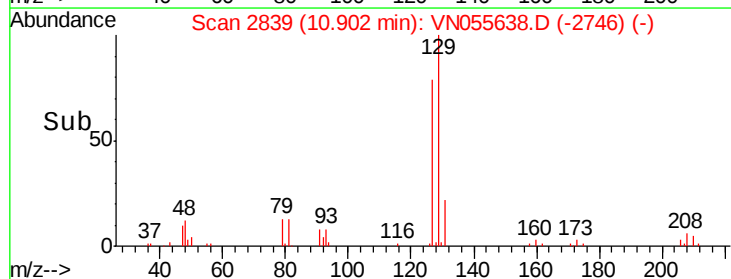
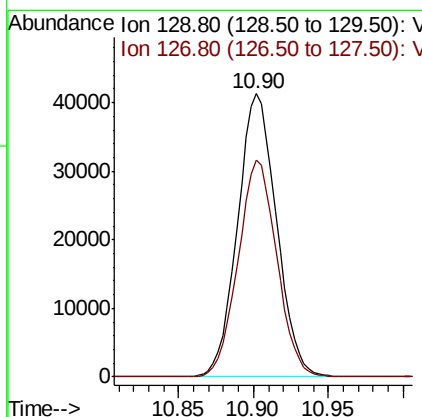
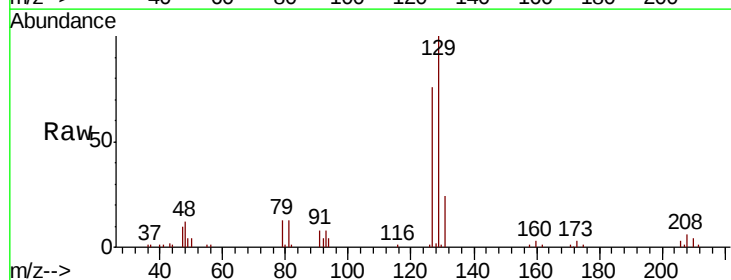
Instrument :
MSVOA_N
ClientSampleId :

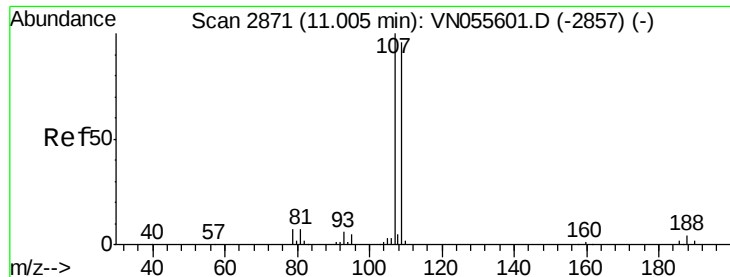
Tot Ion: 43 Resp: 270948
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.4



#60
Dibromochloromethane
Concen: 19.838 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 129 Resp: 74796
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.361 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

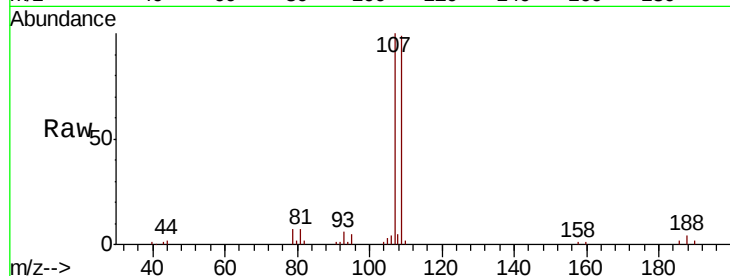
ClientSampleId :

Tot Ion:107 Resp: 64444

Ion Ratio Lower Upper

107 100

109 96.5 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

30000

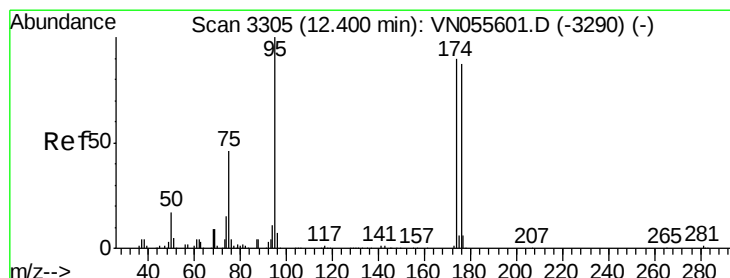
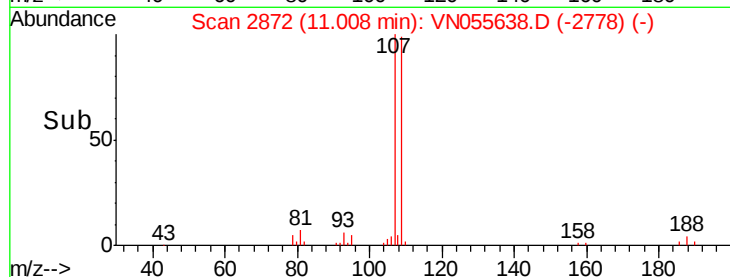
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.775 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

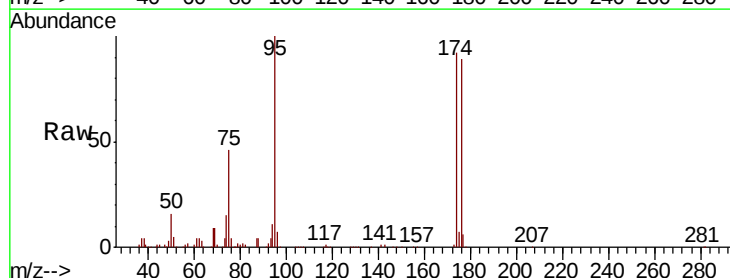
Tgt Ion: 95 Resp: 202827

Ion Ratio Lower Upper

95 100

174 92.9 0.0 180.6

176 90.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

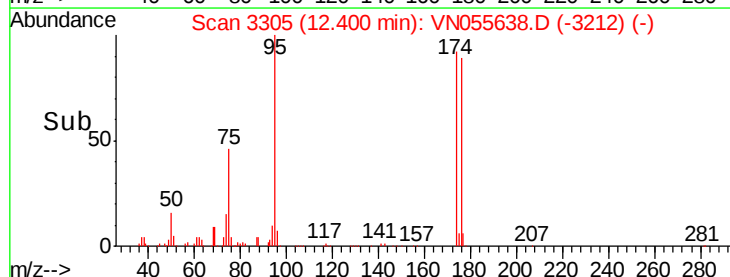
100000

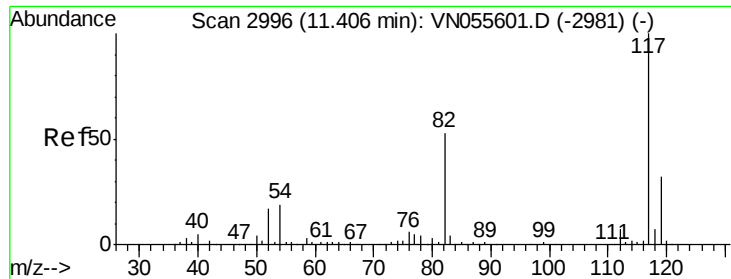
50000

0

Time-->

12.35 12.40 12.45

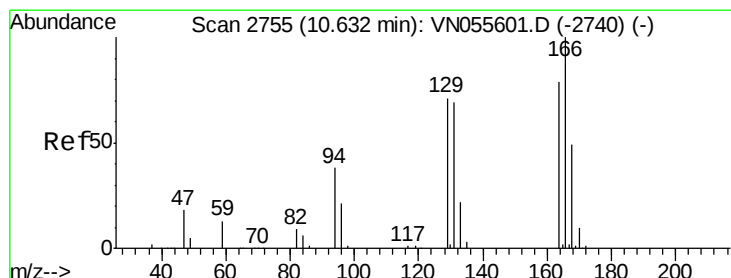
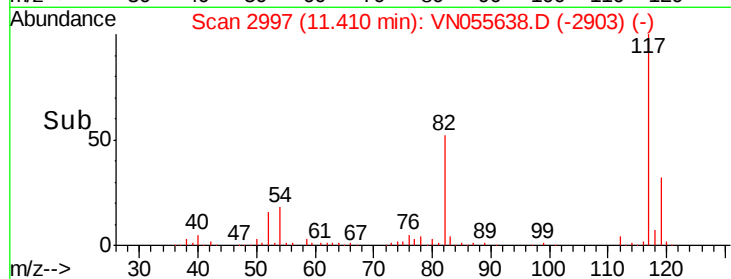
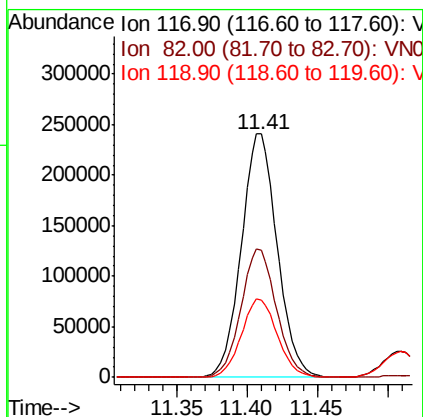
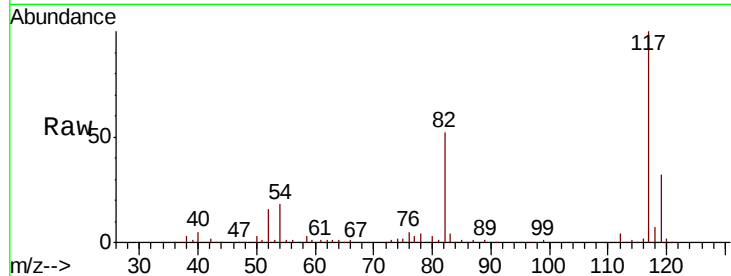




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

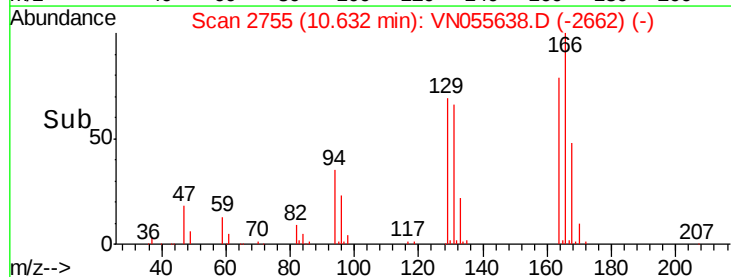
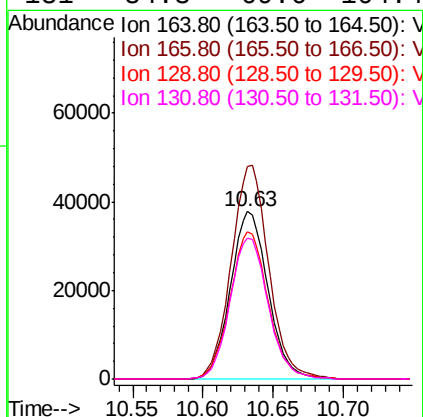
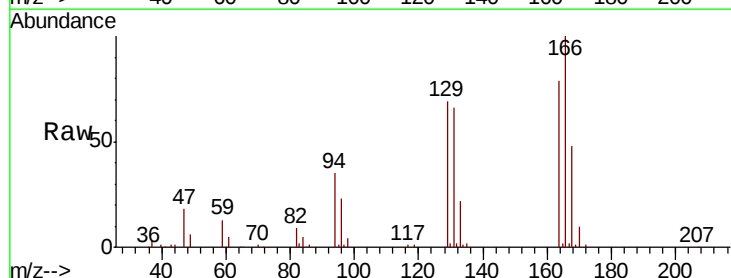
Instrument :
MSVOA_N
ClientSampleId :

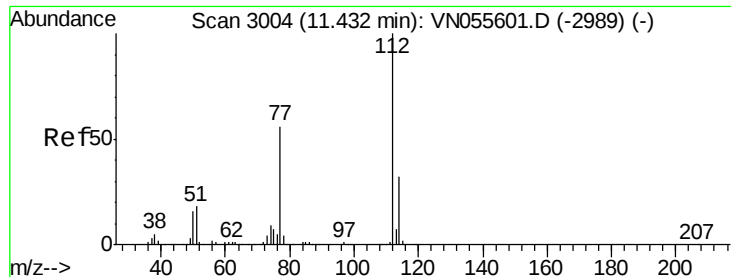
Tot Ion:117 Resp: 428954
Ion Ratio Lower Upper
117 100
82 52.1 42.3 63.5
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 20.882 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion:164 Resp: 70652
Ion Ratio Lower Upper
164 100
166 126.9 101.0 151.6
129 87.8 71.7 107.5
131 84.3 69.6 104.4

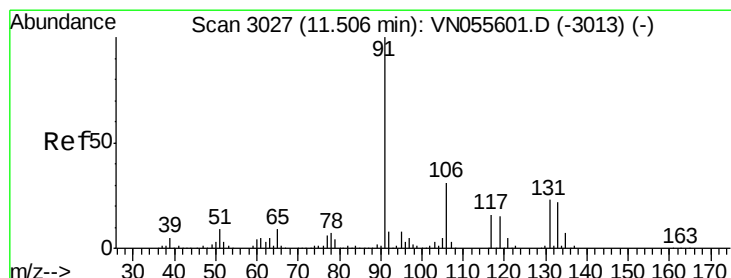
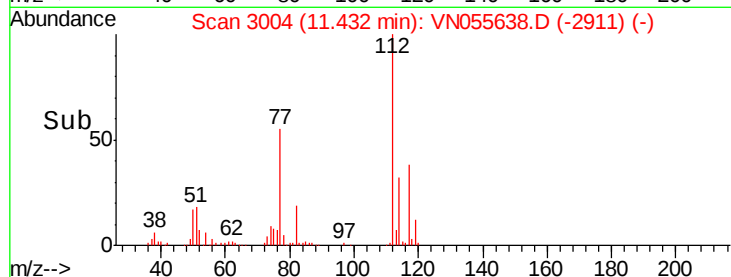
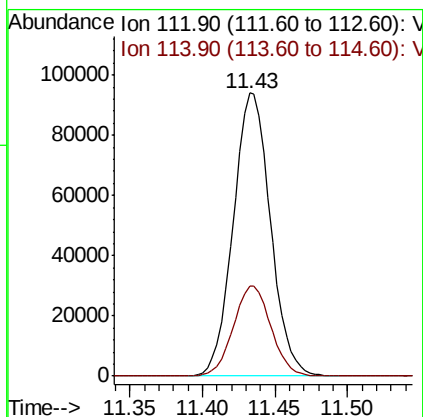
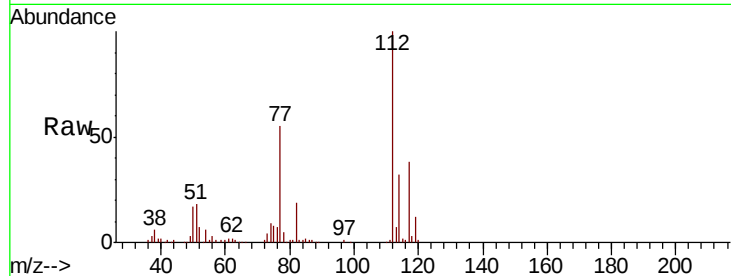




#65
Chlorobenzene
Concen: 19.280 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

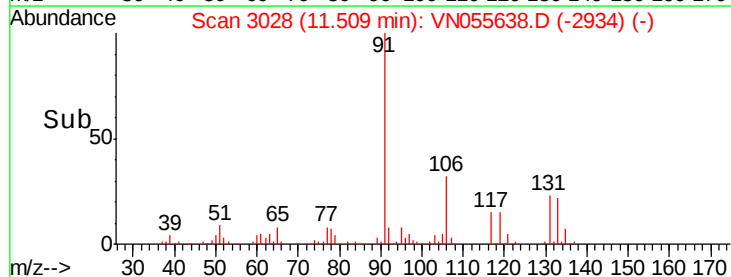
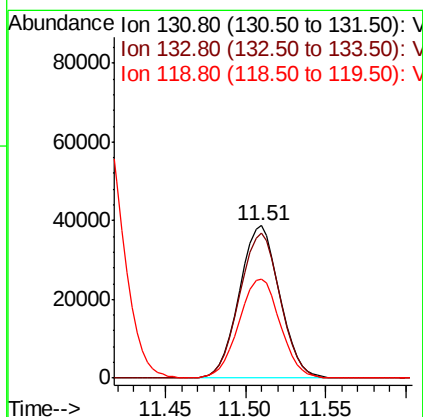
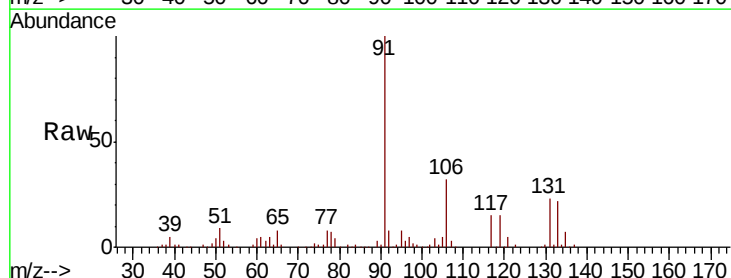
Instrument :
MSVOA_N
ClientSampled :

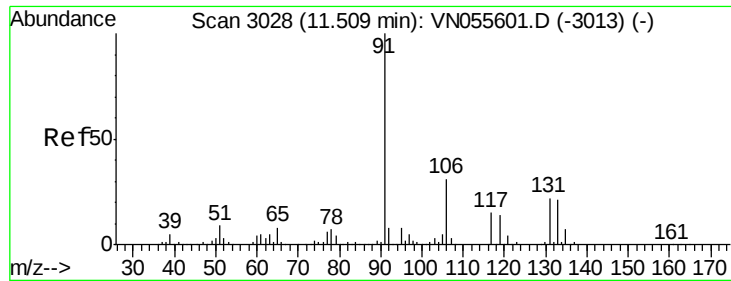
Tot Ion:112 Resp: 167272
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.124 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion:131 Resp: 66750
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.4
119 66.3 33.3 99.8

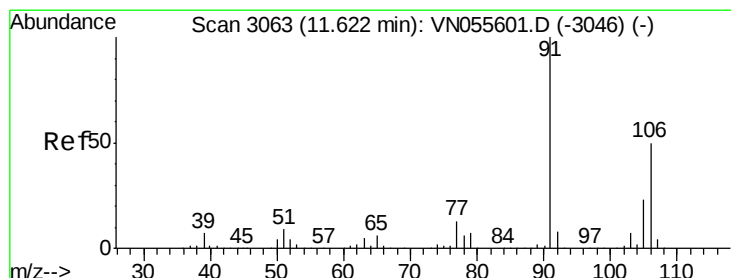
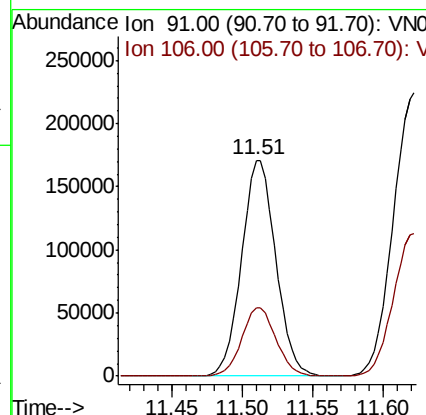
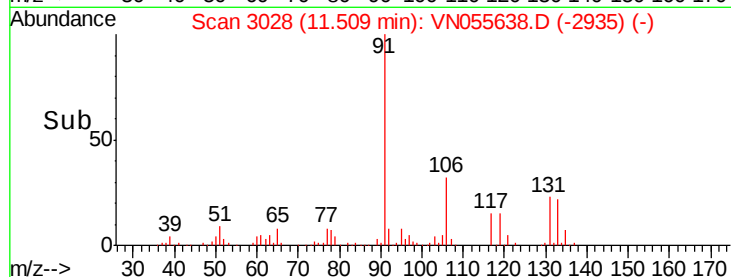
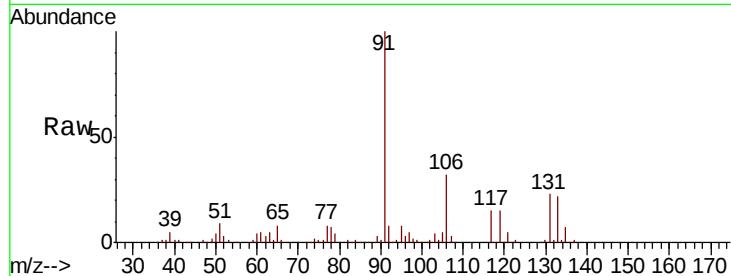




#67
Ethyl Benzene
Concen: 18.858 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

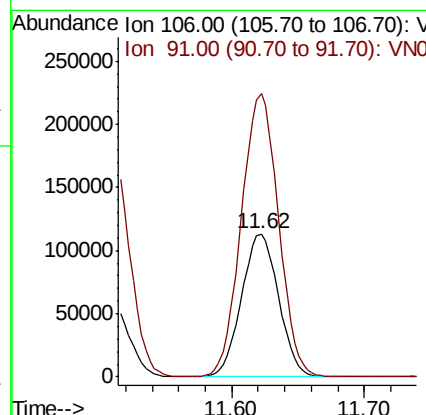
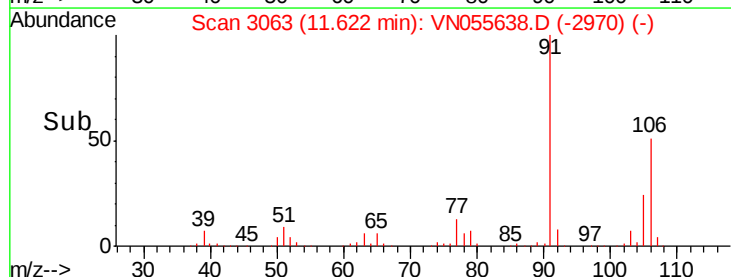
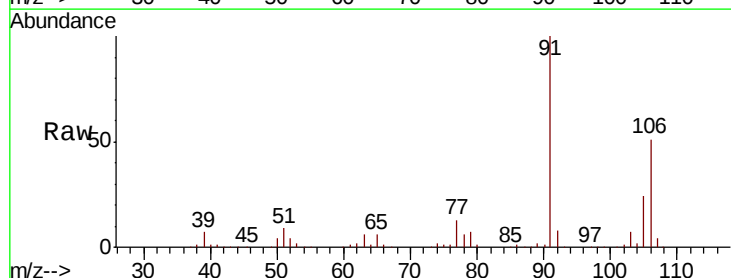
Instrument :
MSVOA_N
ClientSampled :

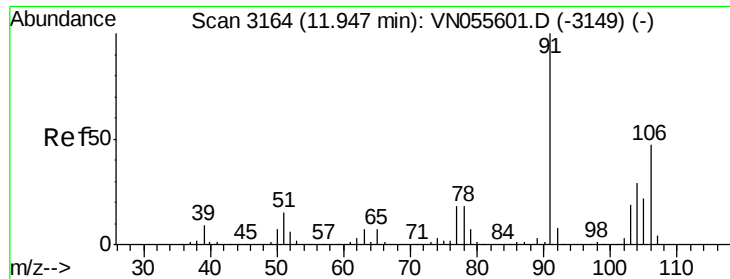
Tot Ion: 91 Resp: 291466
Ion Ratio Lower Upper
91 100
106 32.0 25.2 37.8



#68
m/p-Xylenes
Concen: 37.750 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion: 106 Resp: 220332
Ion Ratio Lower Upper
106 100
91 198.2 160.5 240.7

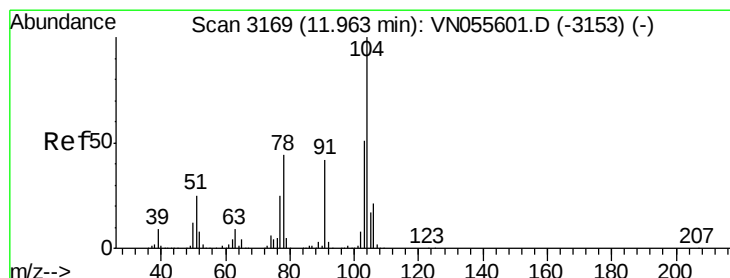
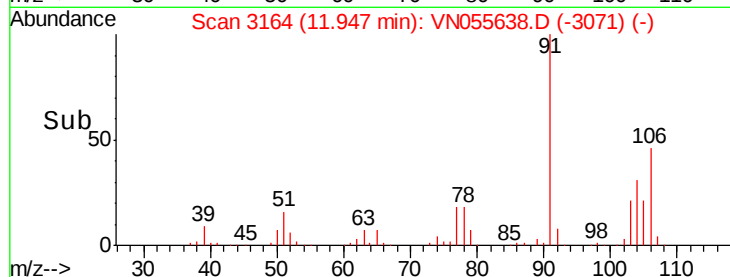
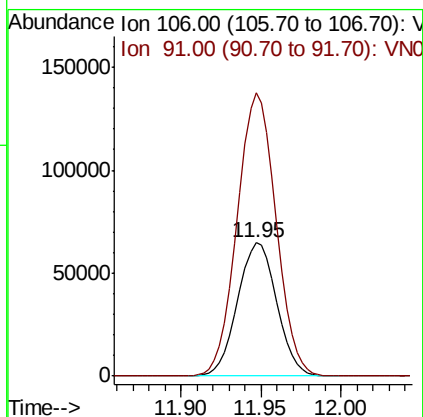
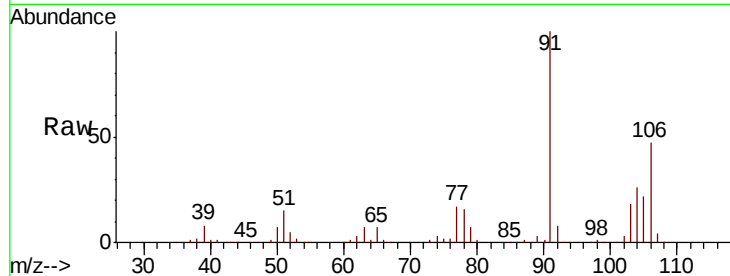




#69
o-Xylene
Concen: 18.985 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

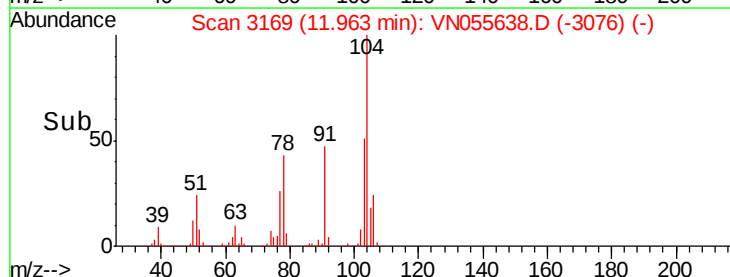
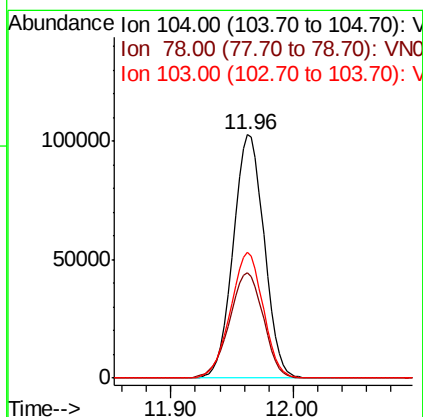
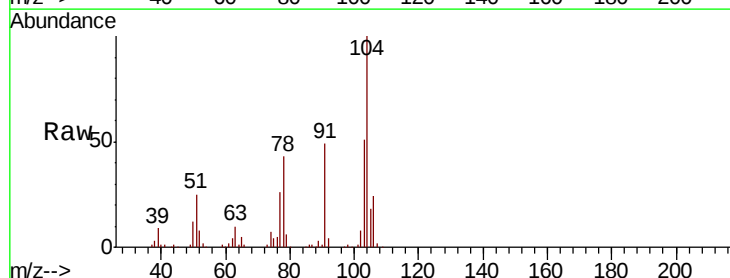
Instrument :
MSVOA_N
ClientSampled :

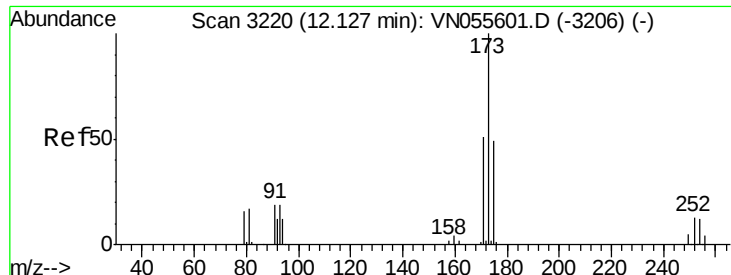
Tot Ion:106 Resp: 108378
Ion Ratio Lower Upper
106 100
91 209.9 106.7 320.2



#70
Styrene
Concen: 19.058 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion:104 Resp: 180902
Ion Ratio Lower Upper
104 100
78 47.6 38.6 58.0
103 54.9 44.4 66.6

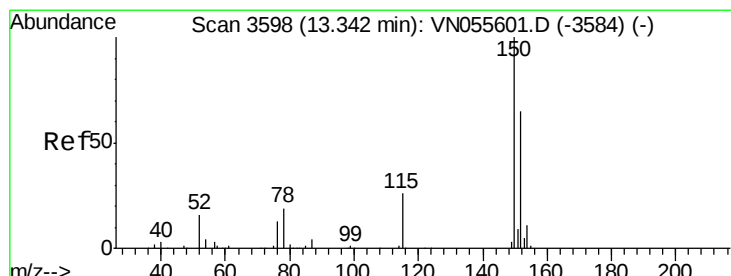
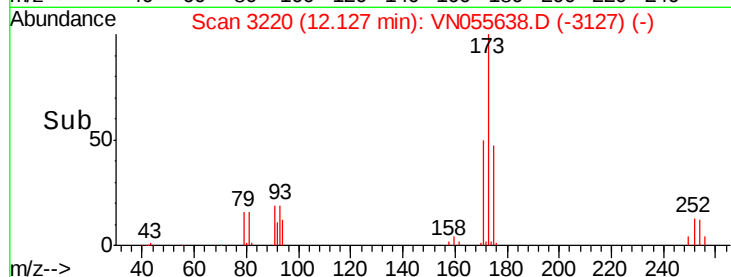
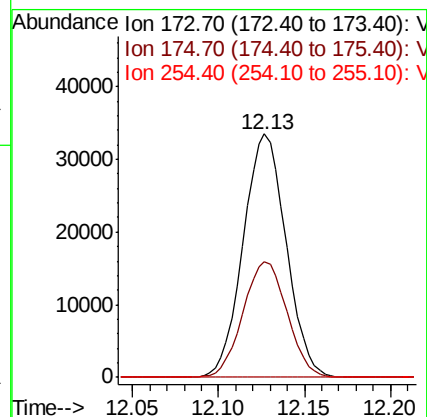
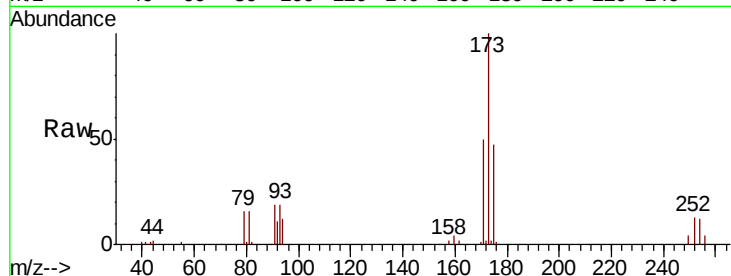




#71
Bromoform
Concen: 19.654 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

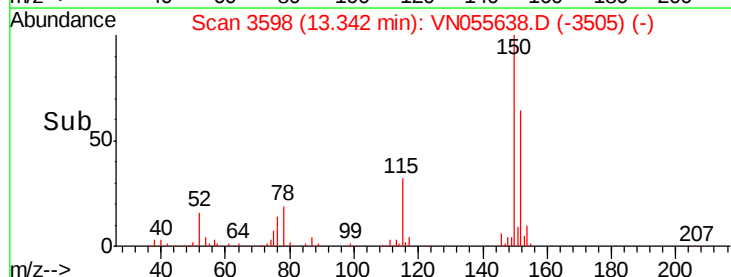
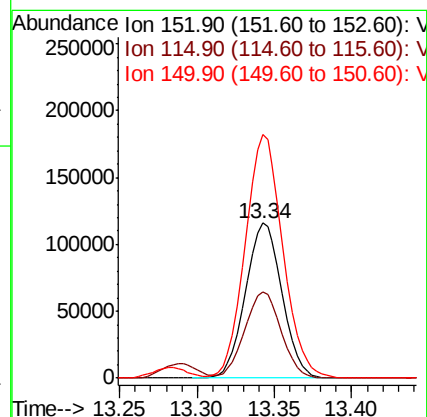
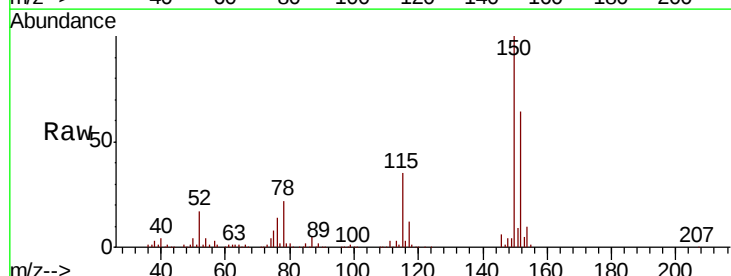
Instrument :
MSVOA_N
ClientSampled :

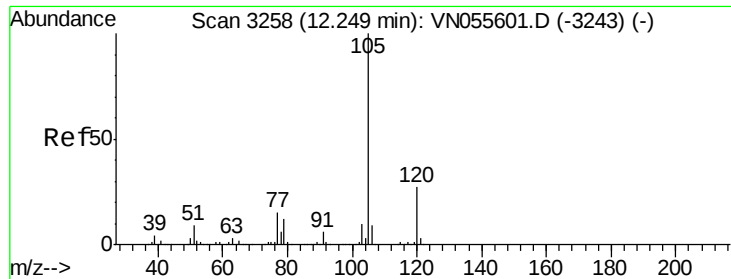
Tot Ion:173 Resp: 58133
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.9
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion:152 Resp: 189700
Ion Ratio Lower Upper
152 100
115 55.7 28.1 84.2
150 162.2 0.0 348.0





#73

Isopropylbenzene

Concen: 20.150 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

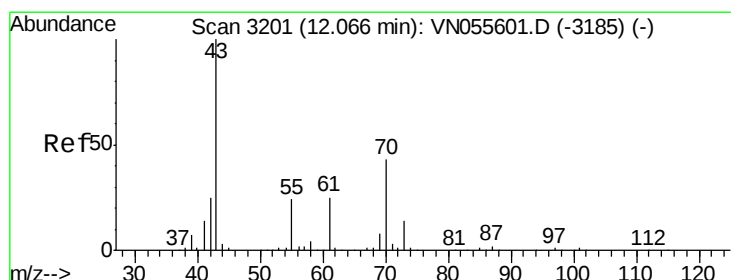
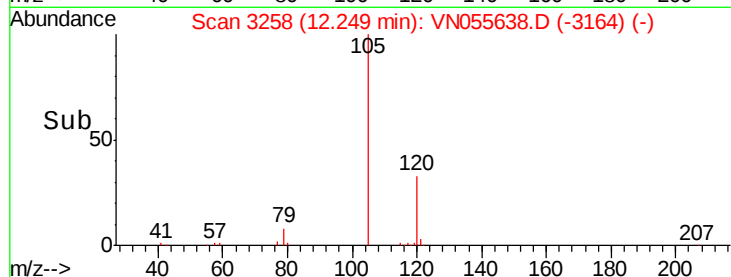
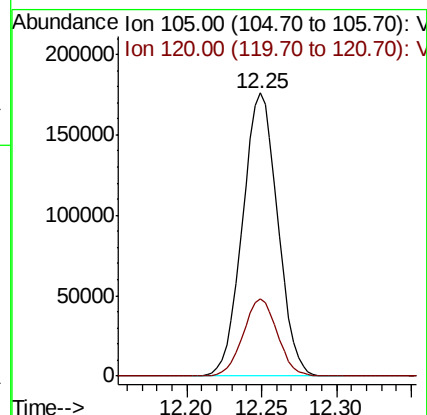
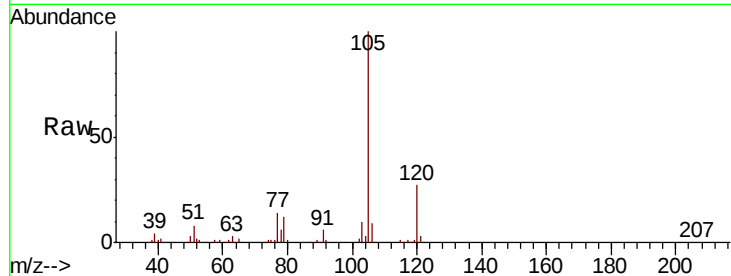
ClientSampleId :

Tot Ion:105 Resp: 287391

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 18.680 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Tgt Ion: 43 Resp: 99505

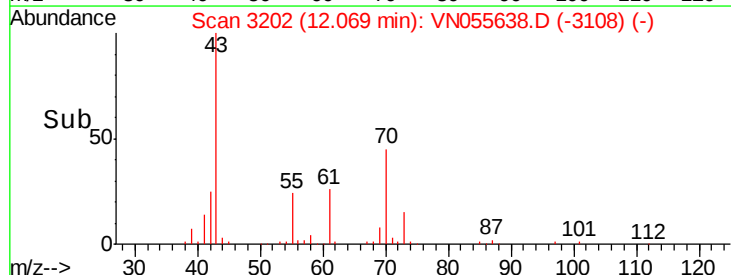
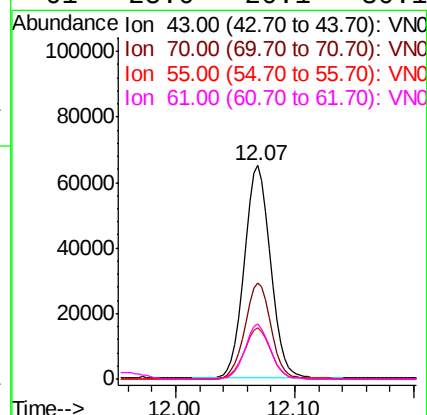
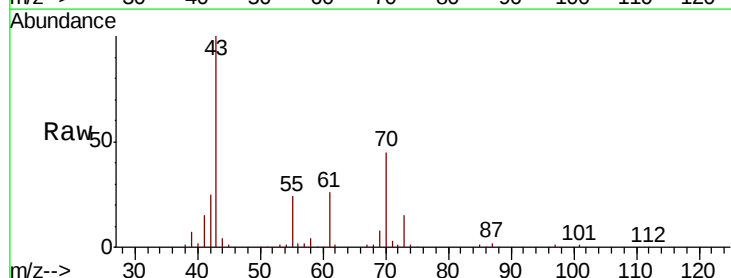
Ion Ratio Lower Upper

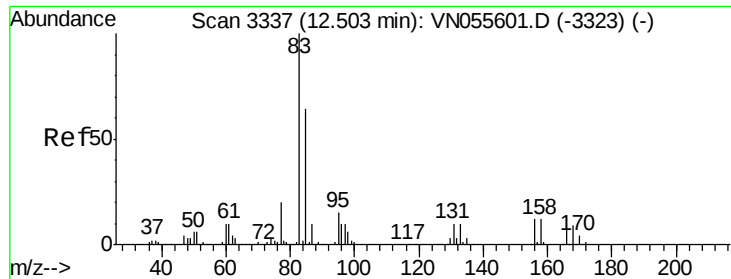
43 100

70 44.8 35.0 52.6

55 24.5 18.9 28.3

61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.099 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

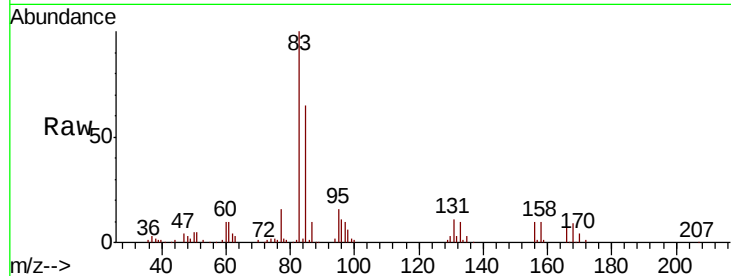
Tot Ion: 83 Resp: 88566

Ion Ratio Lower Upper

83 100

131 11.4 5.3 16.1

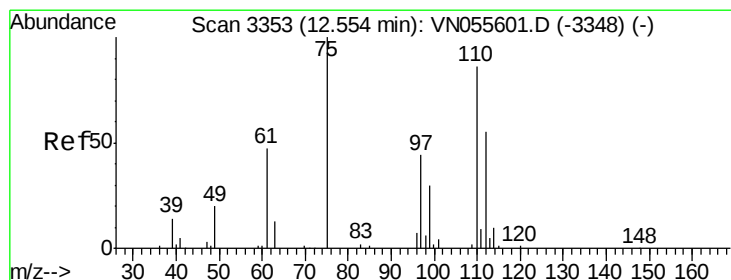
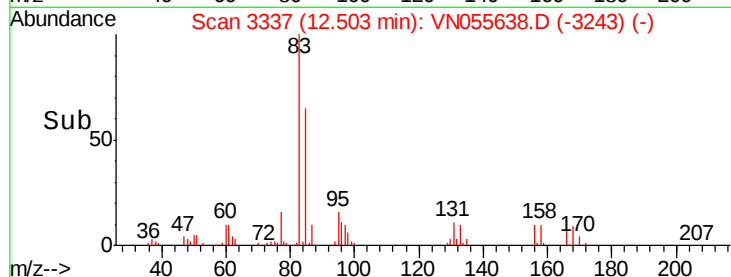
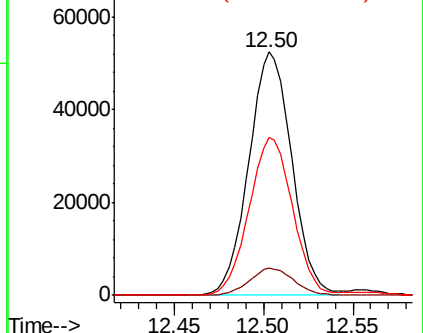
85 65.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.998 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055638.D

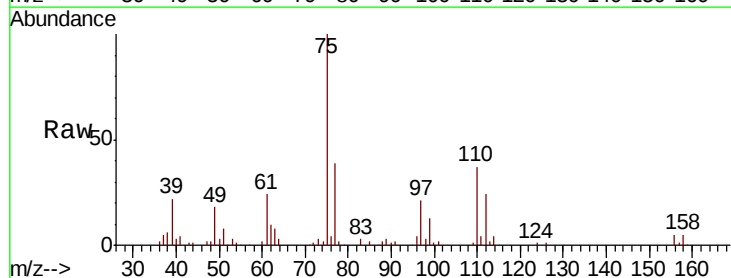
Acq: 18 May 2019 3:22

Tgt Ion: 75 Resp: 104507

Ion Ratio Lower Upper

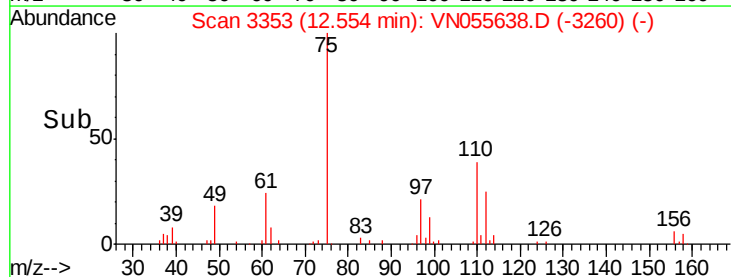
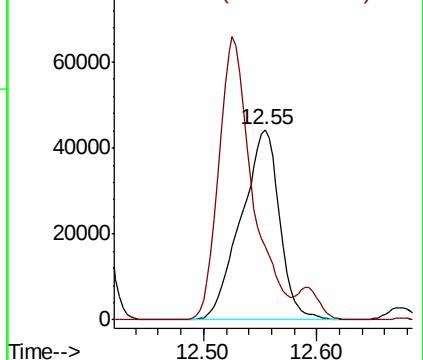
75 100

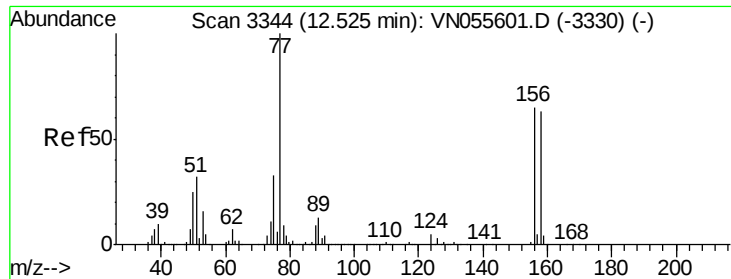
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.628 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

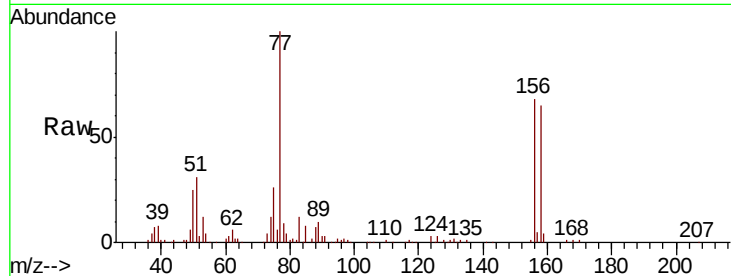
Tot Ion:156 Resp: 76469

Ion Ratio Lower Upper

156 100

77 178.4 94.5 283.5

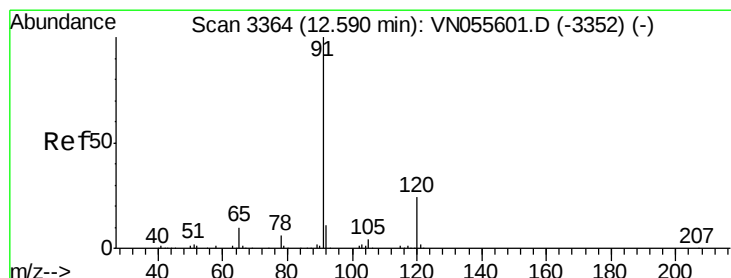
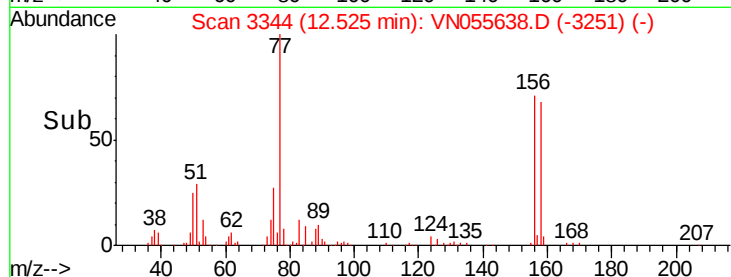
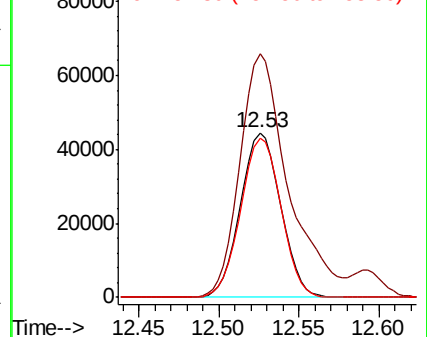
158 96.5 49.0 147.2



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: 18.142 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055638.D

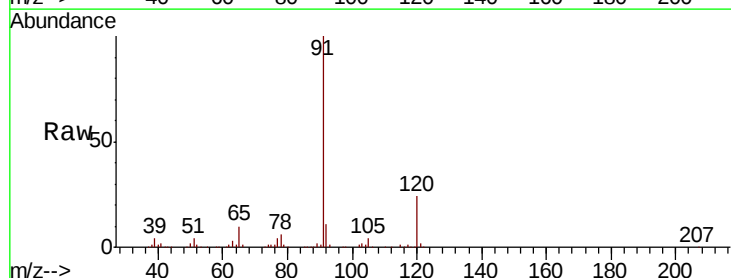
Acq: 18 May 2019 3:22

Tgt Ion: 91 Resp: 305614

Ion Ratio Lower Upper

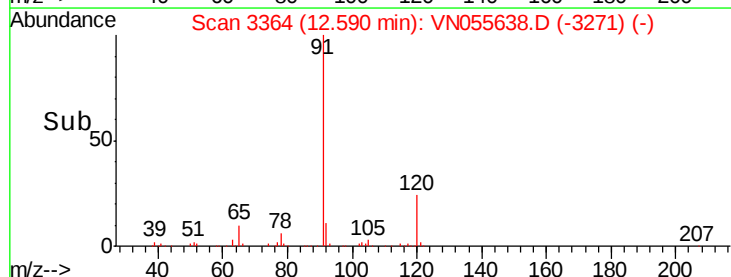
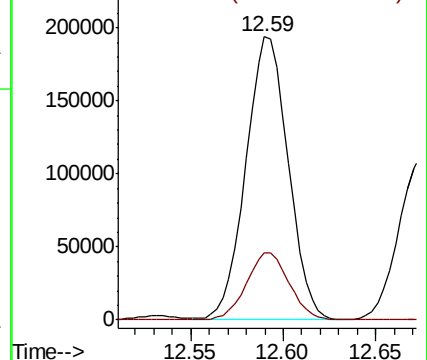
91 100

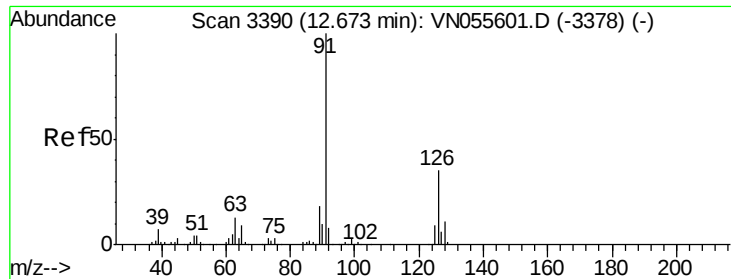
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.657 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

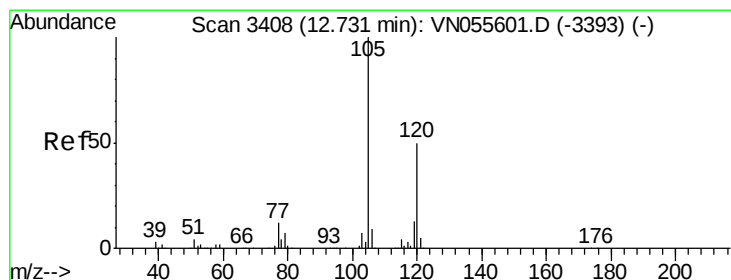
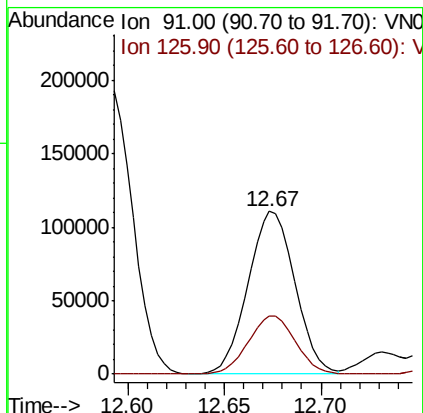
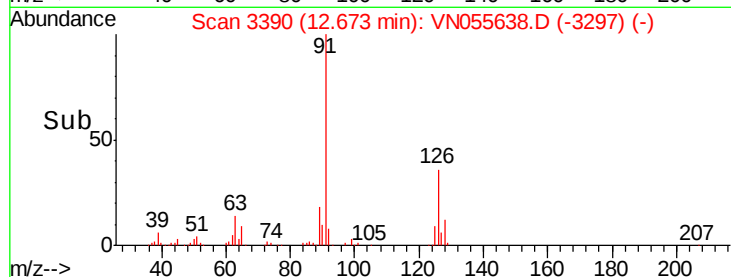
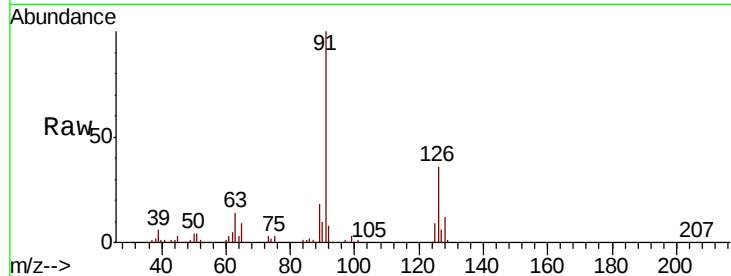
ClientSampleId :

Tot Ion: 91 Resp: 186419

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 19.547 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055638.D

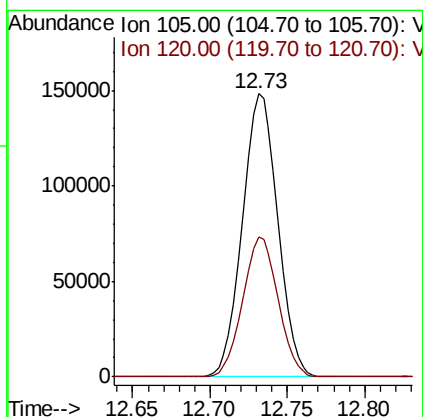
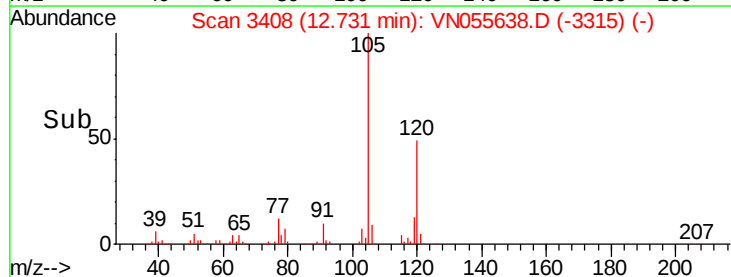
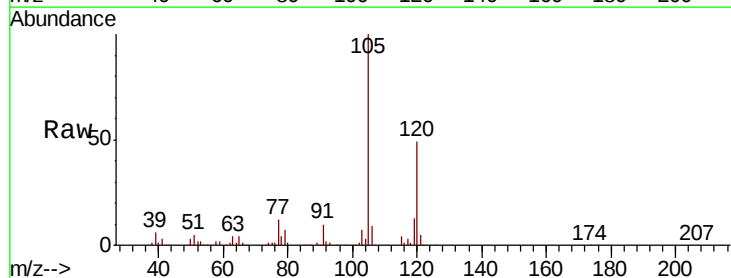
Acq: 18 May 2019 3:22

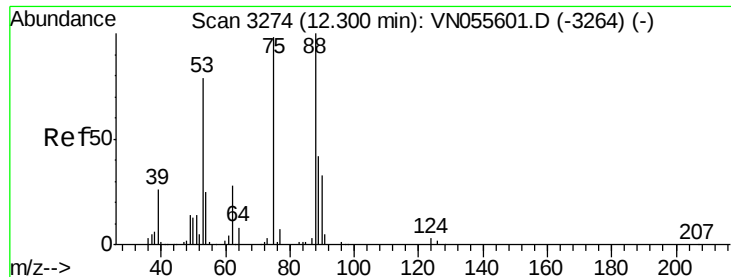
Tgt Ion:105 Resp: 236434

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.293 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

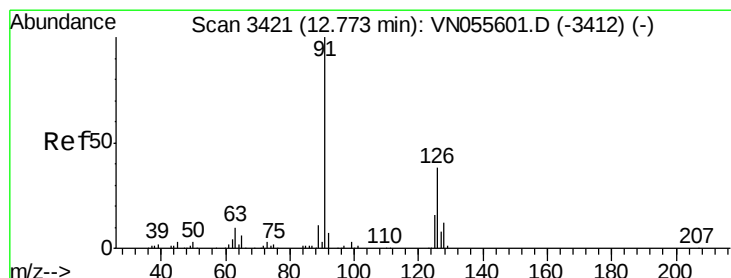
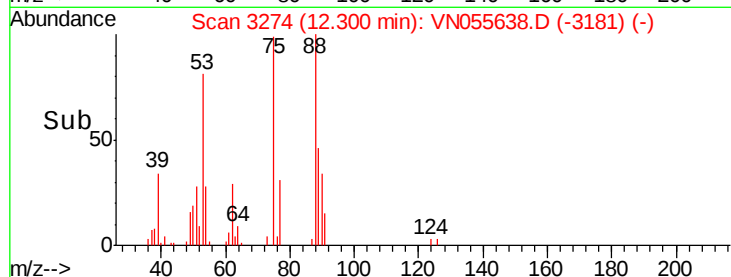
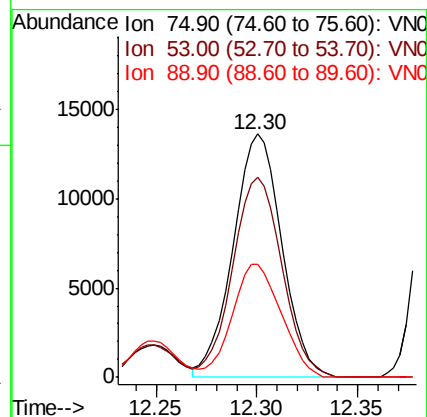
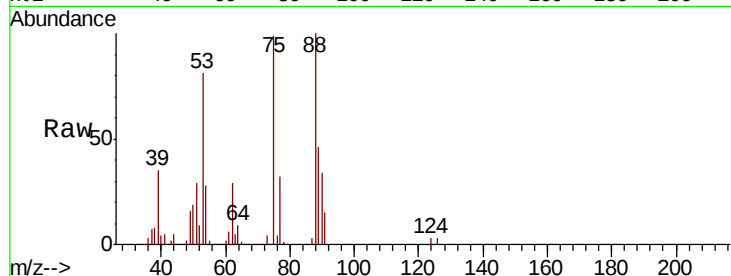
Tot Ion: 75 Resp: 23029

Ion Ratio Lower Upper

75 100

53 83.6 65.1 97.7

89 46.9 36.4 54.6



#82

4-Chlorotoluene

Concen: 18.513 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055638.D

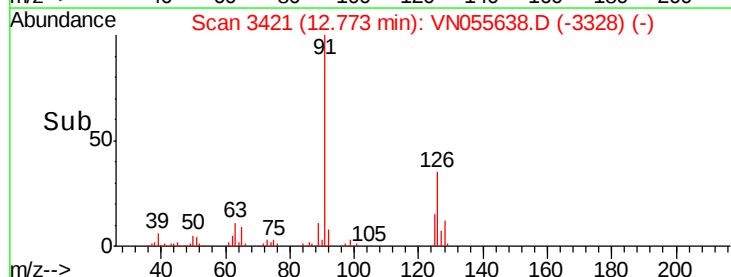
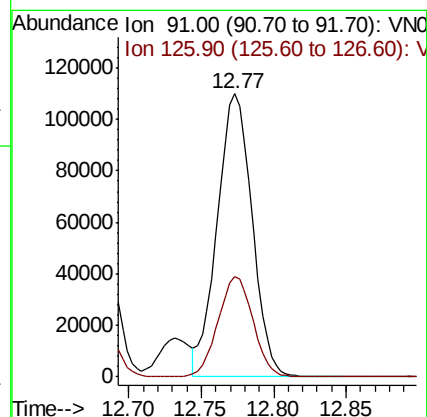
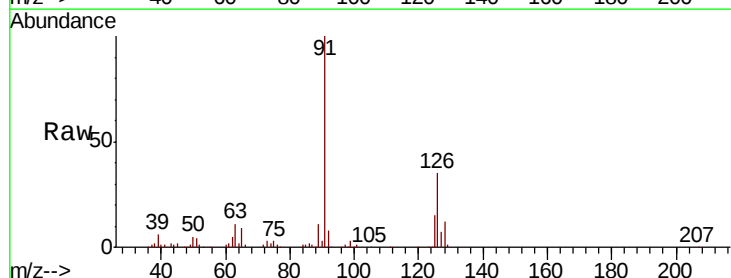
Acq: 18 May 2019 3:22

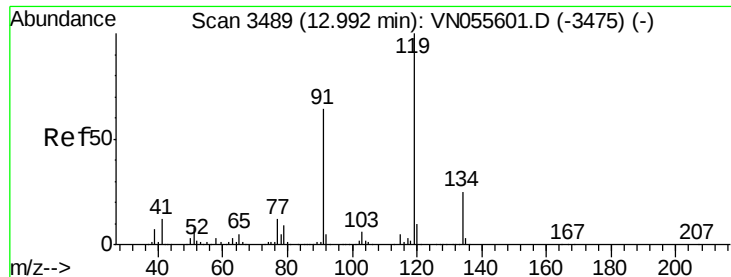
Tgt Ion: 91 Resp: 183752

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6

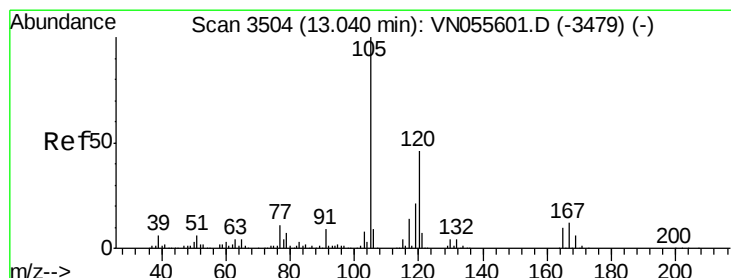
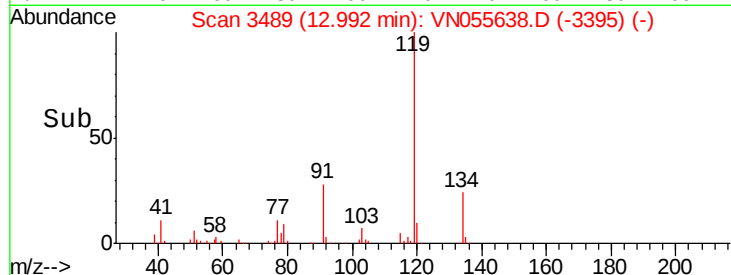
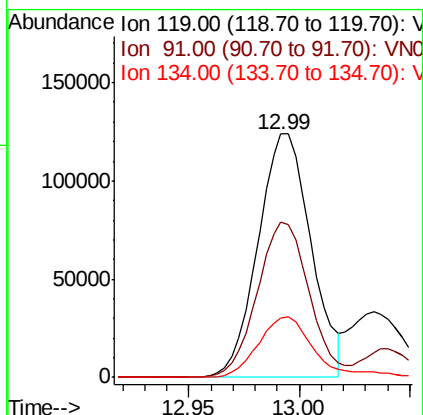
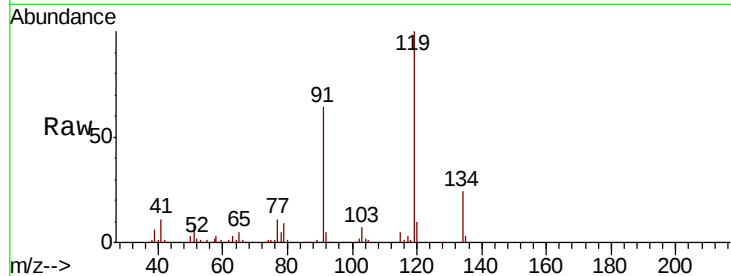




#83
tert-Butylbenzene
Concen: 19.709 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

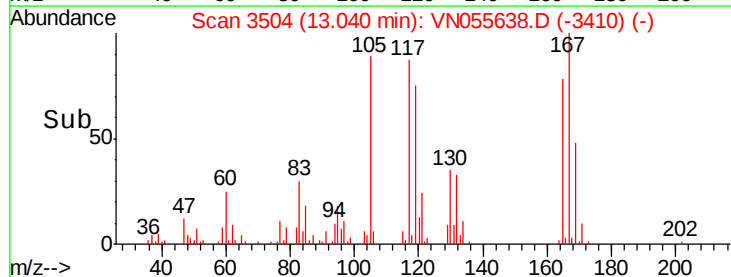
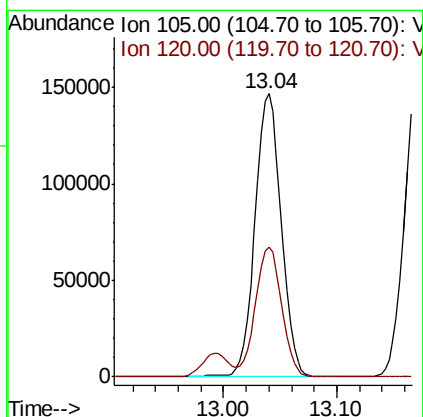
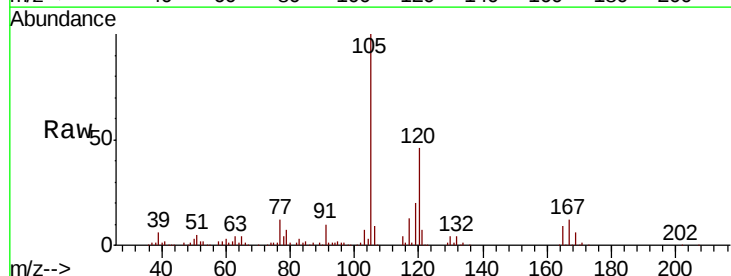
Instrument :
MSVOA_N
ClientSampleId :

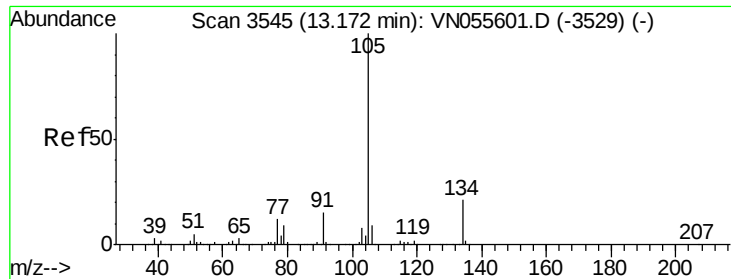
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.3	93.8
134	26.4	13.2	39.6



#84
1,2,4-Trimethylbenzene
Concen: 19.709 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055638.D
Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.323 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

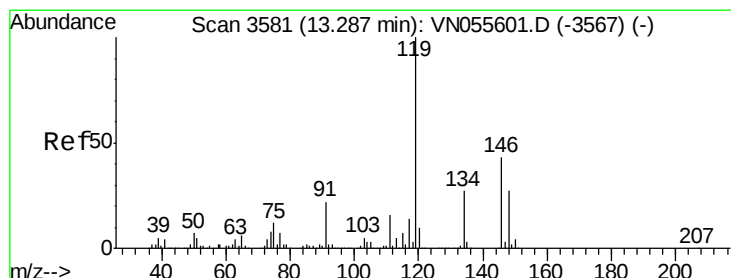
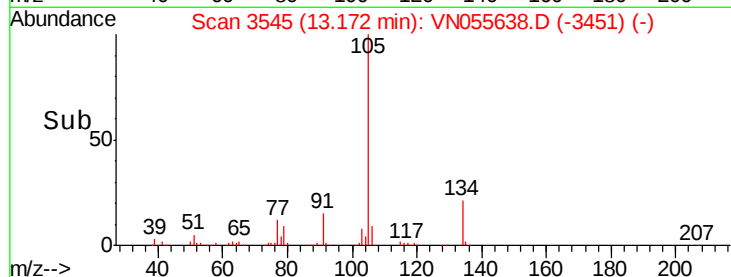
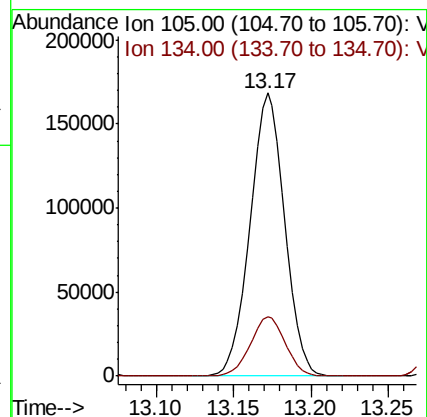
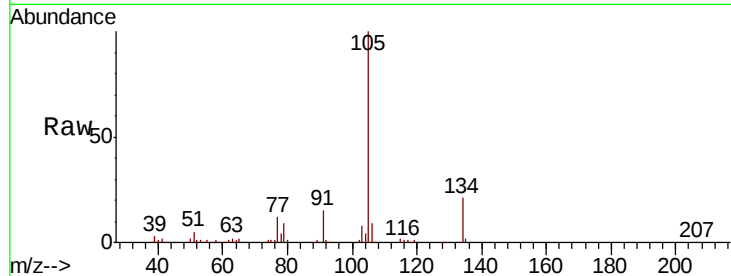
ClientSampled :

Tot Ion:105 Resp: 261701

Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.9



#86

p-Isopropyltoluene

Concen: 19.079 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

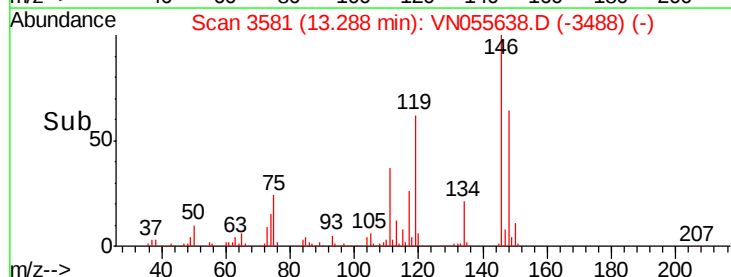
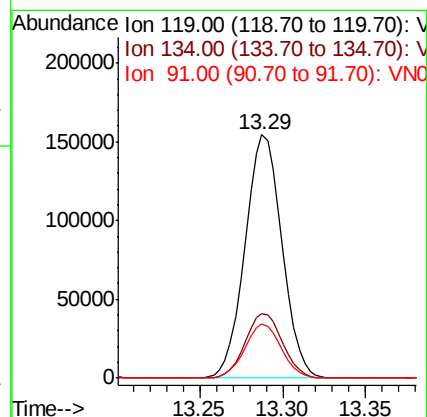
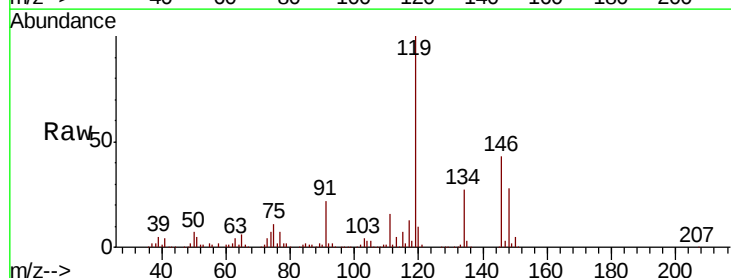
Tgt Ion:119 Resp: 238036

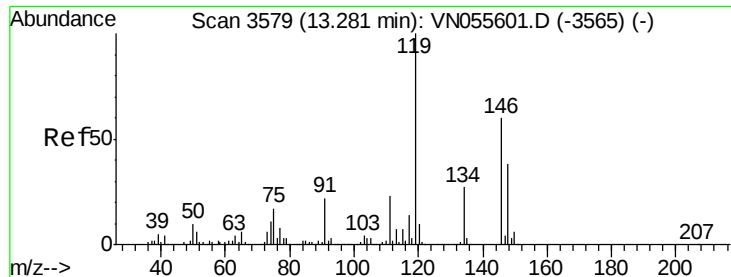
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.2 11.0 33.0

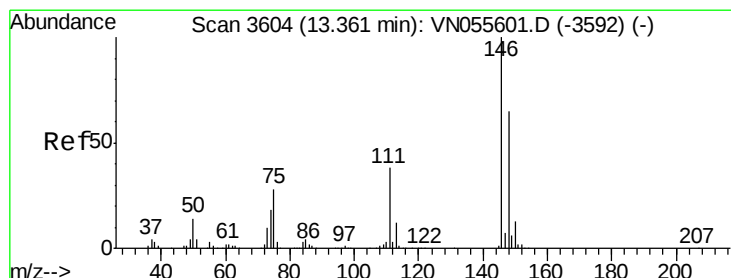
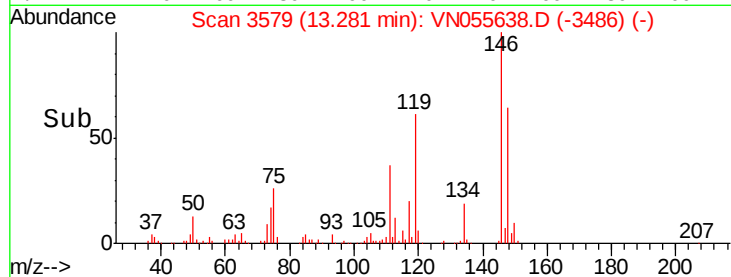
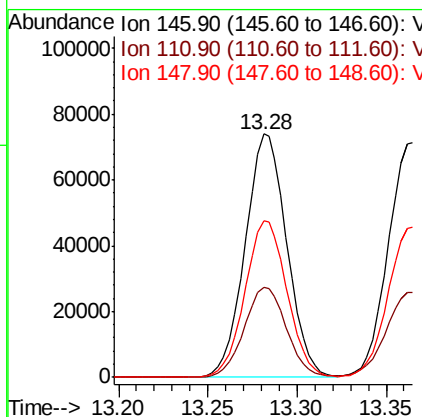
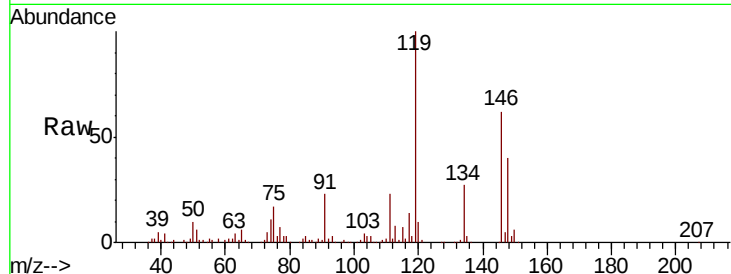




#87
 1,3-Dichlorobenzene
 Concen: 18.783 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

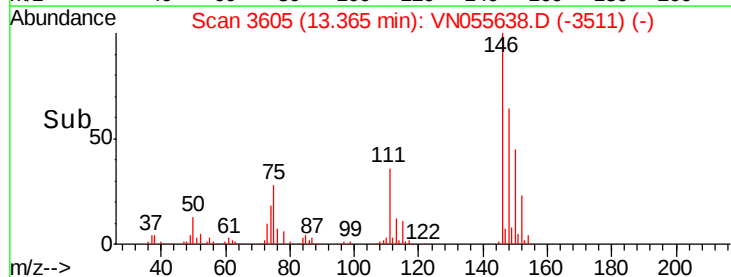
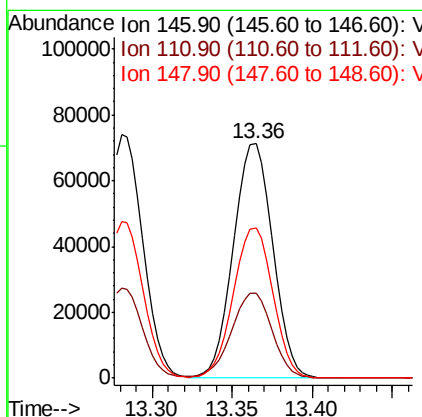
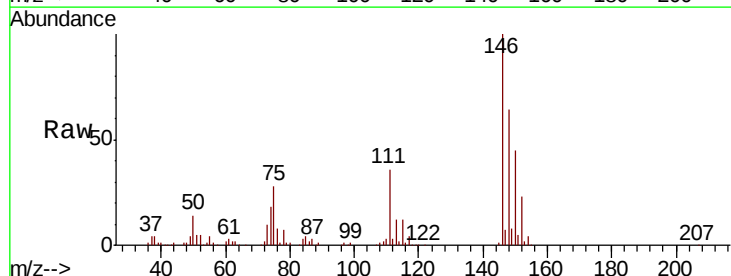
Instrument :
 MSVOA_N
 ClientSampled :

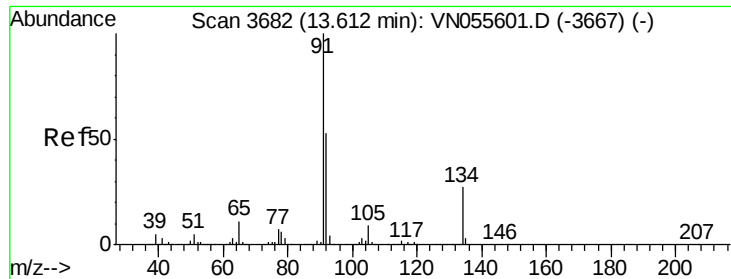
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	64.9	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.480 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055638.D
 Acq: 18 May 2019 3:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.2	32.4	97.0





#89

n-Butylbenzene

Concen: 17.899 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampleId :

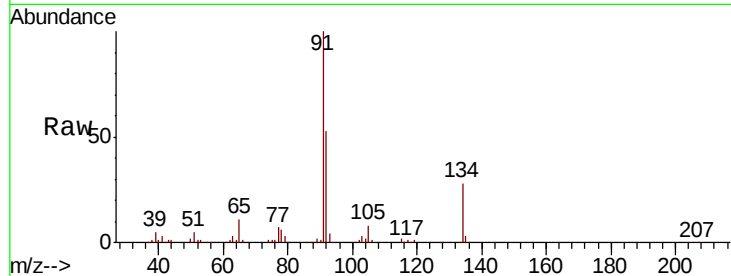
Tot Ion: 91 Resp: 186316

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.0

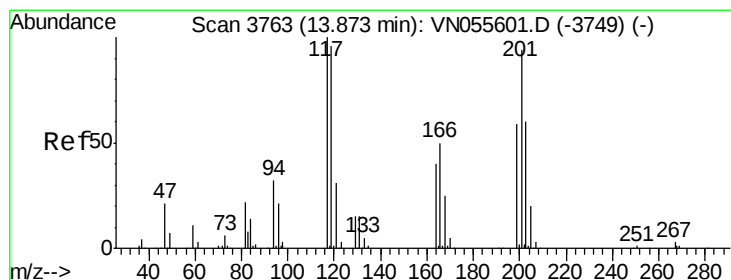
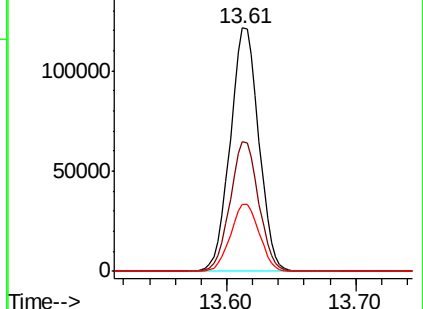
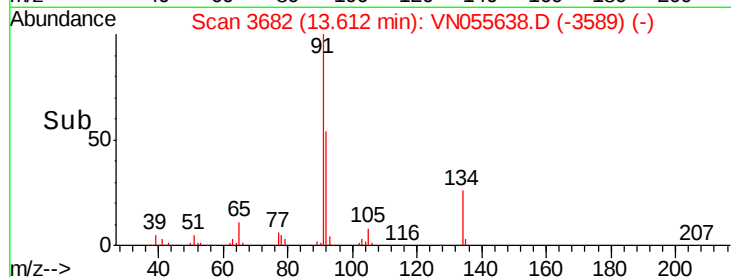
134 27.7 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055601.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055601.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.403 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055638.D

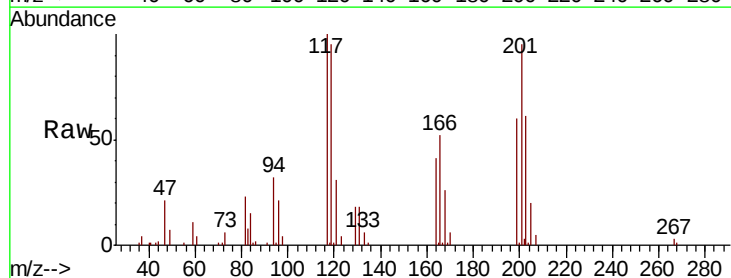
Acq: 18 May 2019 3:22

Tgt Ion: 117 Resp: 46754

Ion Ratio Lower Upper

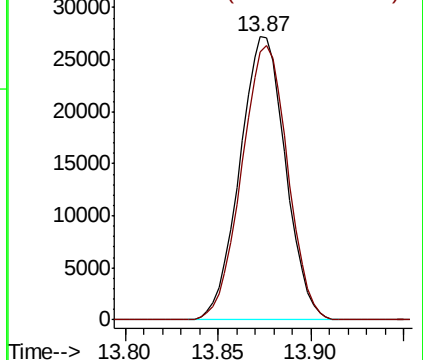
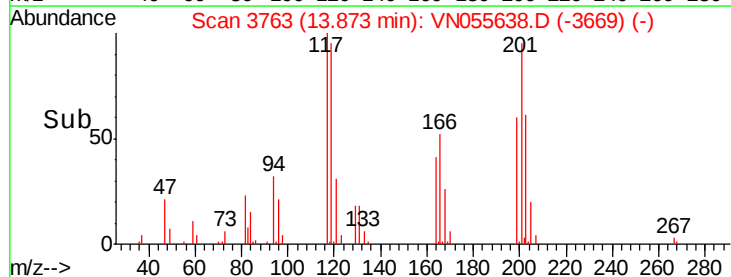
117 100

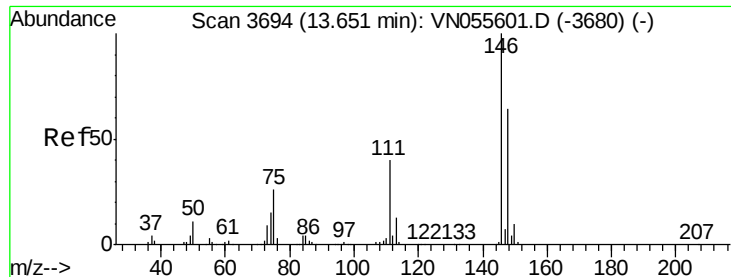
201 97.2 47.1 141.3



Abundance Ion 116.80 (116.50 to 117.50): VN055601.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055601.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.126 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampled :

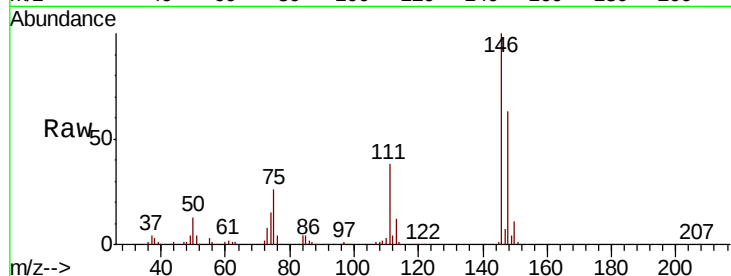
Tot Ion:146 Resp: 122815

Ion Ratio Lower Upper

146 100

111 38.1 19.7 59.0

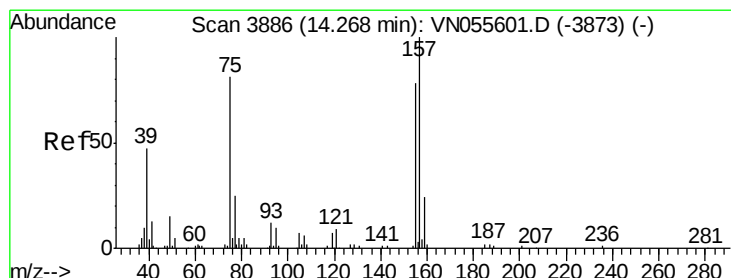
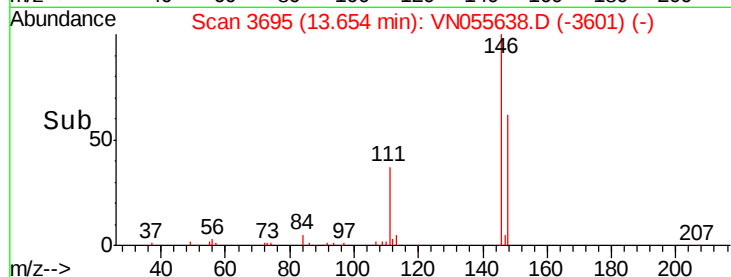
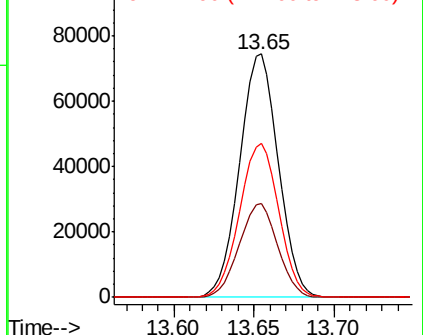
148 64.0 32.1 96.3



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: 19.376 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

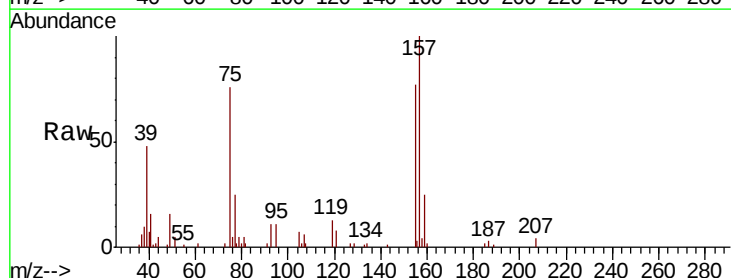
Tgt Ion: 75 Resp: 16681

Ion Ratio Lower Upper

75 100

155 101.5 48.4 145.0

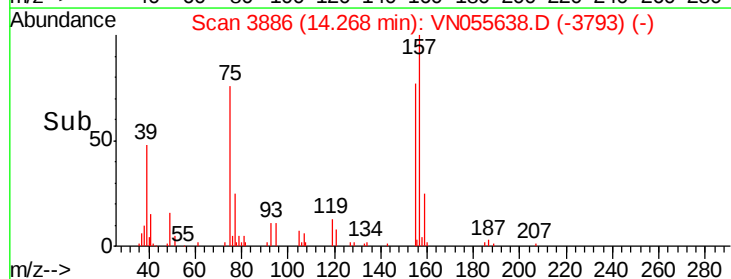
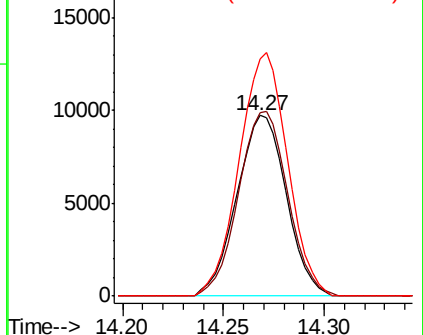
157 131.8 62.3 186.8

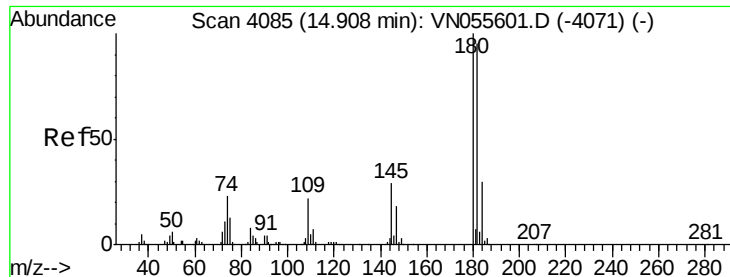


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.769 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampled :

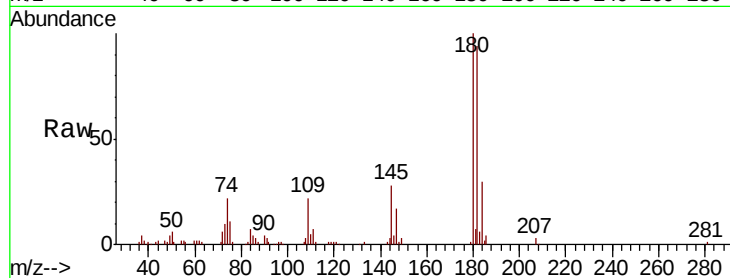
Tot Ion:180 Resp: 64617

Ion Ratio Lower Upper

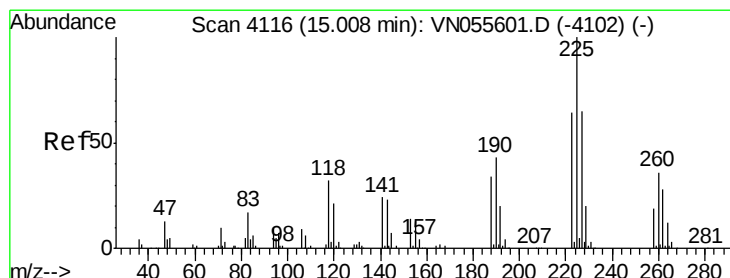
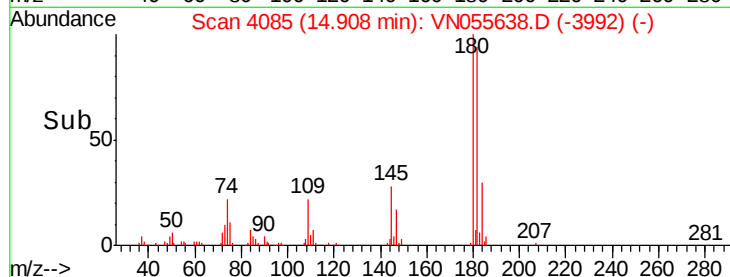
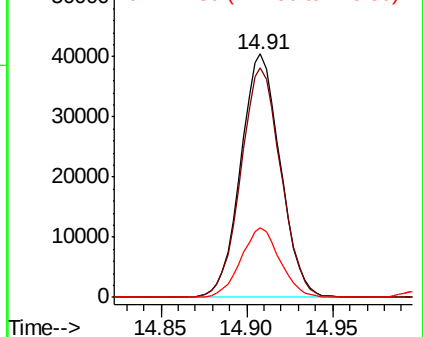
180 100

182 95.5 47.9 143.6

145 28.0 14.3 42.9



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



#94

Hexachlorobutadiene

Concen: 18.262 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

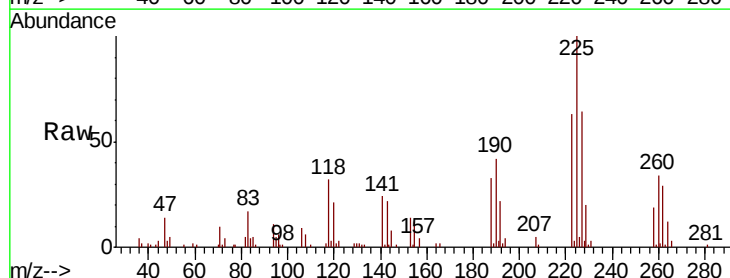
Tgt Ion:225 Resp: 39676

Ion Ratio Lower Upper

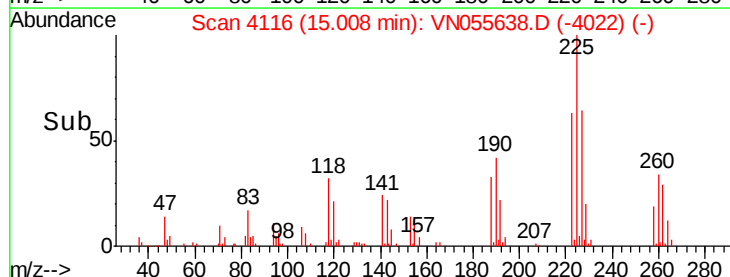
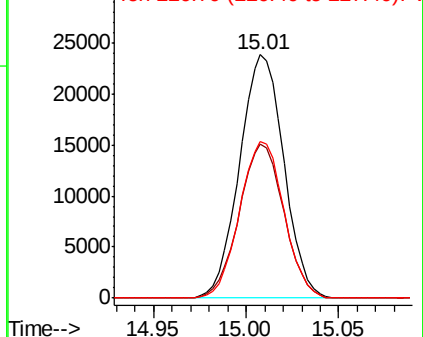
225 100

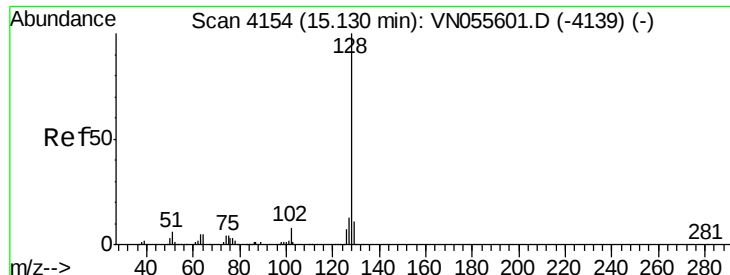
223 63.6 31.6 94.7

227 64.2 32.4 97.0



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





#95

Naphthalene

Concen: 19.055 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

Instrument :

MSVOA_N

ClientSampled :

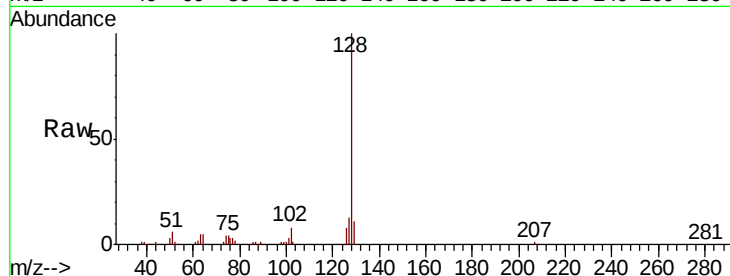
Tot Ion:128 Resp: 176803

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

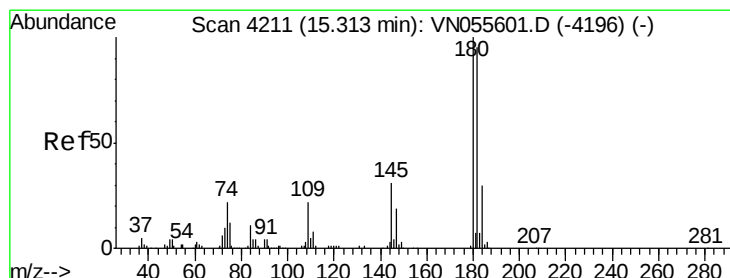
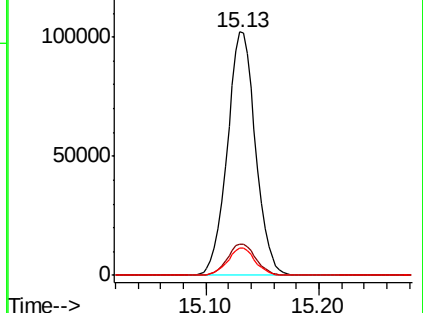
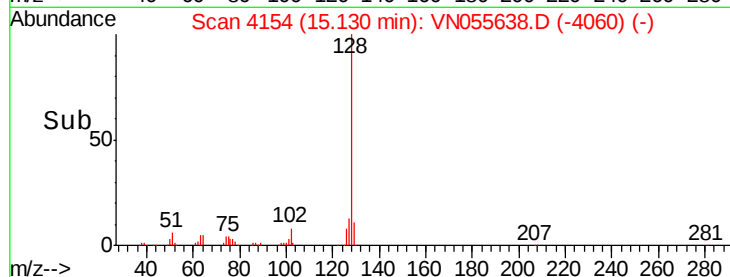
129 11.0 8.6 12.8



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: 19.747 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055638.D

Acq: 18 May 2019 3:22

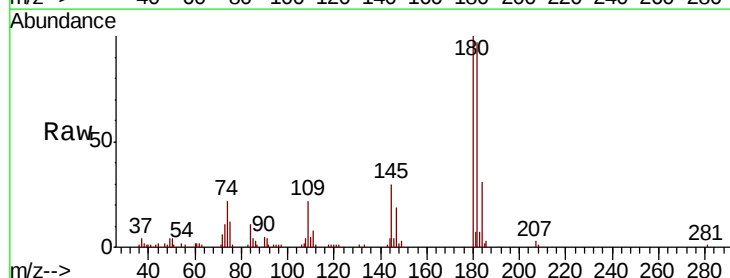
Tgt Ion:180 Resp: 67488

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.6

145 30.4 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

