

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055179.D
 Acq On : 22 Apr 2019 13:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Quant Time: Apr 23 05:58:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	685307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	281992	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	226492	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.09	98	851911	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	284770	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	305493	53.792	ug/l	99
3) Chloromethane	2.06	50	343108	49.304	ug/l	100
4) Vinyl Chloride	2.19	62	272432	48.856	ug/l	96
5) Bromomethane	2.55	94	142169	43.963	ug/l	99
6) Chloroethane	2.70	64	141256	48.063	ug/l	98
7) Trichlorofluoromethane	3.01	101	374471	49.348	ug/l	97
8) Diethyl Ether	3.41	74	133363	49.239	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	228609	48.279	ug/l	99
10) Methyl Iodide	3.95	142	338765	51.017	ug/l	100
11) Tert butyl alcohol	4.78	59	84230	241.660	ug/l	99
12) 1,1-Dichloroethene	3.73	96	220952	48.689	ug/l	99
13) Acrolein	3.61	56	133581	255.448	ug/l	99
14) Allyl chloride	4.32	41	439353	48.974	ug/l	99
15) Acrylonitrile	4.99	53	483869	253.132	ug/l	99
16) Acetone	3.82	43	477569	241.975	ug/l	98
17) Carbon Disulfide	4.05	76	627666	49.474	ug/l	99
18) Methyl Acetate	4.33	43	214560	50.606	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	625248	49.834	ug/l	97
20) Methylene Chloride	4.55	84	254609	44.874	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	232815	48.925	ug/l	94
22) Diisopropyl ether	5.95	45	870271	48.667	ug/l	98
23) Vinyl Acetate	5.90	43	3185742	265.108	ug/l	100
24) 1,1-Dichloroethane	5.85	63	458231	47.640	ug/l	99
25) 2-Butanone	6.83	43	638378	250.538	ug/l	98
26) 2,2-Dichloropropane	6.82	77	321173	49.343	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	263877	48.104	ug/l	100
28) Bromochloromethane	7.19	49	234126	47.751	ug/l	99
29) Tetrahydrofuran	7.21	42	398660	254.468	ug/l	100
30) Chloroform	7.37	83	431824	47.197	ug/l	99
31) Cyclohexane	7.65	56	456119	50.669	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	354849	48.276	ug/l	99
36) 1,1-Dichloropropene	7.79	75	334956	52.660	ug/l	100
37) Ethyl Acetate	6.93	43	260598	50.766	ug/l	100
38) Carbon Tetrachloride	7.77	117	307105	51.559	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	389758	51.363	ug/l	98
40) Benzene	8.04	78	981466	49.985	ug/l	100
41) Methacrylonitrile	7.17	41	140716	52.287	ug/l	96
42) 1,2-Dichloroethane	8.12	62	335546	48.984	ug/l	100
43) Isopropyl Acetate	8.16	43	444797	53.509	ug/l #	89
44) Trichloroethene	8.83	130	251443	50.666	ug/l	97
45) 1,2-Dichloropropane	9.12	63	276835	49.947	ug/l	100
46) Dibromomethane	9.21	93	155535	49.021	ug/l	98
47) Bromodichloromethane	9.40	83	328778	51.763	ug/l	96
48) Methyl methacrylate	9.20	41	206666	51.254	ug/l	98
49) 1,4-Dioxane	9.20	88	41768	896.983	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1252650	261.881	ug/l	100
52) Toluene	10.16	92	581810	50.545	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	316004	54.212	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	386275	53.400	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	211970	49.949	ug/l	99
56) Ethyl methacrylate	10.43	69	286924	54.274	ug/l	100
57) 1,3-Dichloropropane	10.71	76	374721	50.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	498472	244.945	ug/l	99
59) 2-Hexanone	10.75	43	817337	270.521	ug/l	98
60) Dibromochloromethane	10.90	129	223449	51.120	ug/l	100
61) 1,2-Dibromoethane	11.00	107	209468	52.499	ug/l	98
64) Tetrachloroethene	10.63	164	233048	47.138	ug/l	98
65) Chlorobenzene	11.43	112	589947	47.691	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221596	48.334	ug/l	100
67) Ethyl Benzene	11.51	91	1107818	50.276	ug/l	98
68) m/p-Xylenes	11.62	106	817770	103.475	ug/l	99
69) o-Xylene	11.95	106	395513	50.429	ug/l	99
70) Styrene	11.96	104	659357	54.236	ug/l	100
71) Bromoform	12.13	173	142924	52.240	ug/l #	98
73) Isopropylbenzene	12.25	105	1051083	49.801	ug/l	100
74) N-amyl acetate	12.07	43	343711	50.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	269130	50.417	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	315787	59.272	ug/l #	100
77) Bromobenzene	12.53	156	252106	43.484	ug/l	99
78) n-propylbenzene	12.59	91	1194406	45.351	ug/l	100
79) 2-Chlorotoluene	12.67	91	721207	43.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	893596	45.454	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64767	46.083	ug/l	99
82) 4-Chlorotoluene	12.77	91	698576	45.655	ug/l	98
83) tert-Butylbenzene	12.99	119	736184	49.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	867521	46.761	ug/l	99
85) sec-Butylbenzene	13.17	105	970007	43.613	ug/l	100
86) p-Isopropyltoluene	13.29	119	860856	46.981	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	432659	48.614	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	414347	47.819	ug/l	98
89) n-Butylbenzene	13.61	91	708202	52.143	ug/l	99
90) Hexachloroethane	13.87	117	137124	42.195	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	417423	45.663	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38435	48.197	ug/l	96

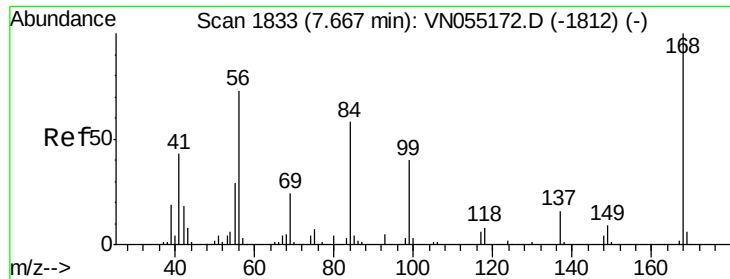
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	180960	47.029	ug/l	99
94) Hexachlorobutadiene	15.01	225	140376	52.887	ug/l	98
95) Naphthalene	15.13	128	374285	44.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	180220	47.115	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

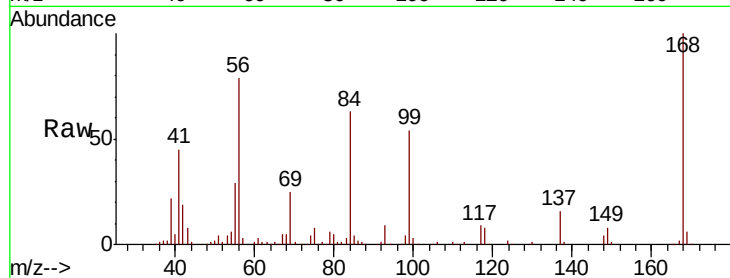
ICVVN042219

Tot Ion:168 Resp: 441084

Ion Ratio Lower Upper

168 100

99 53.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

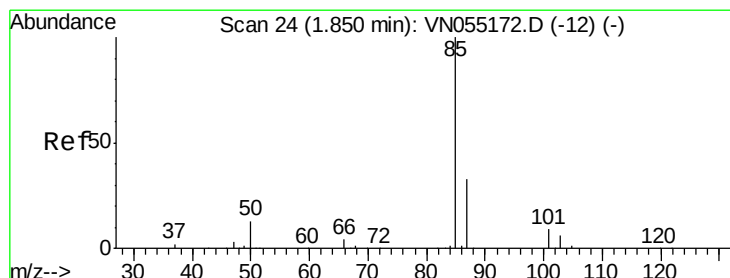
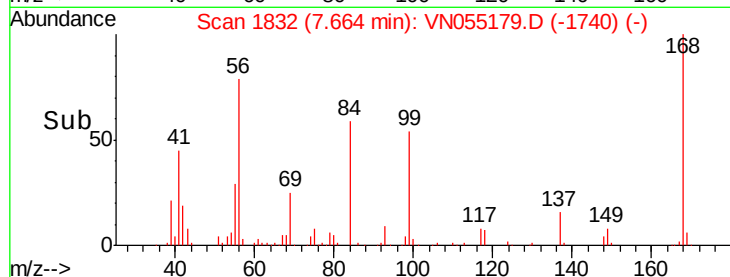
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 53.792 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055179.D

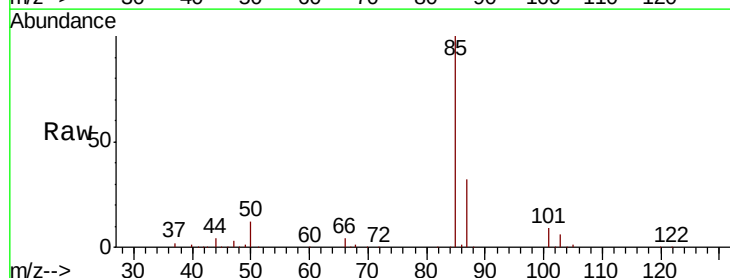
Acq: 22 Apr 2019 13:46

Tgt Ion: 85 Resp: 305493

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

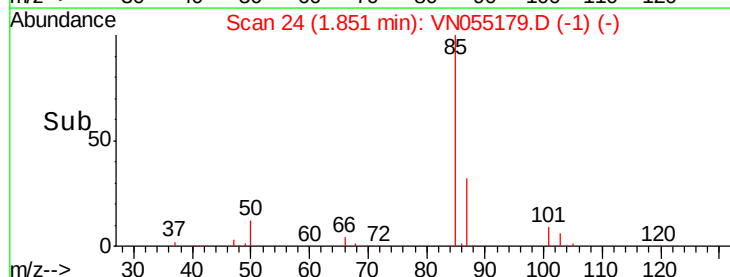
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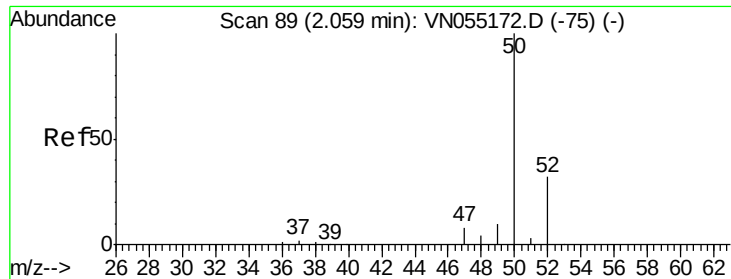
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->

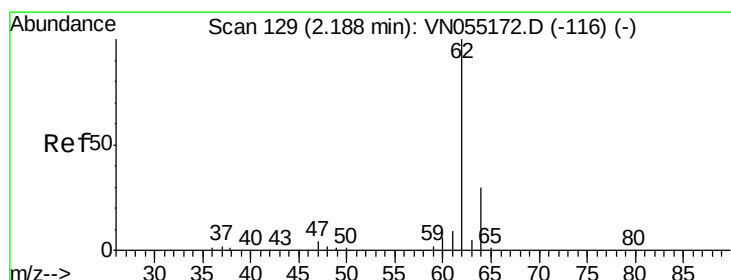
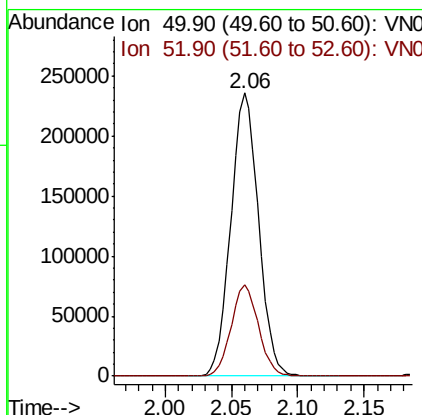
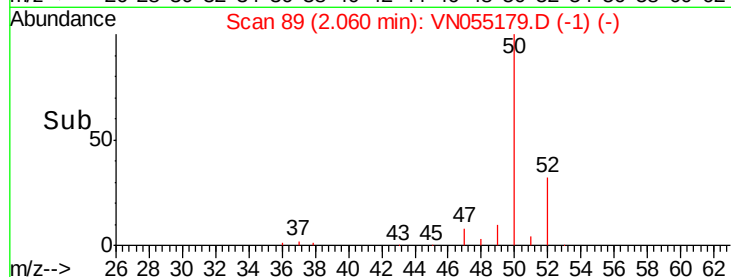
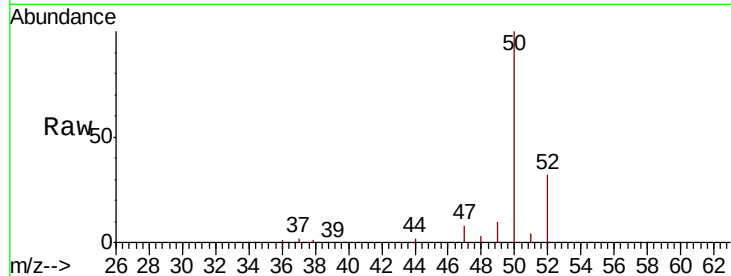




#3
 Chloromethane
 Concen: 49.304 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

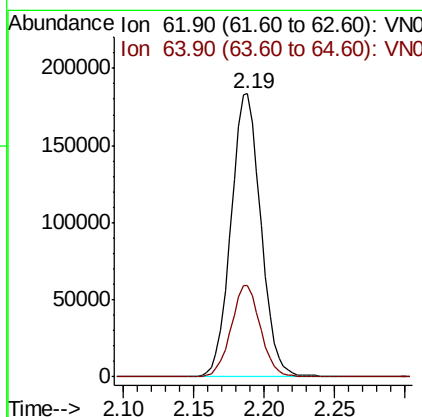
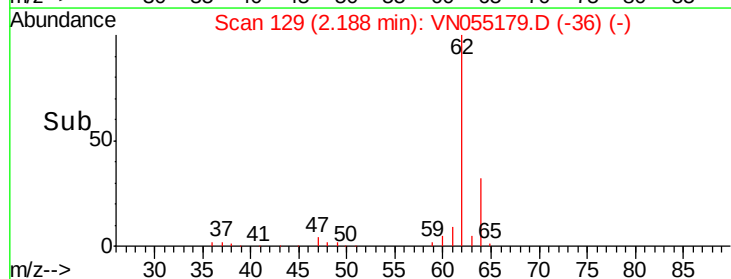
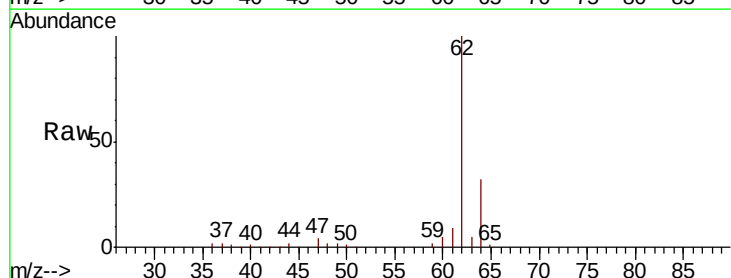
Instrument :
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 ClientSampled :
 ICVVN042219

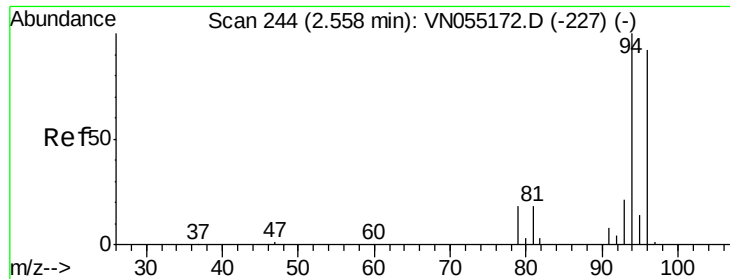
Tot Ion: 50 Resp: 343108
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.8 38.6



#4
 Vinyl Chloride
 Concen: 48.856 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion: 62 Resp: 272432
 Ion Ratio Lower Upper
 62 100
 64 32.5 24.2 36.4

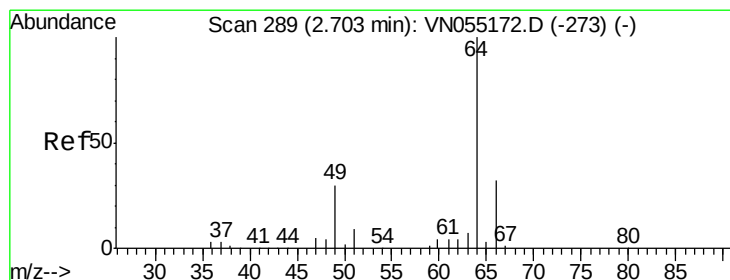
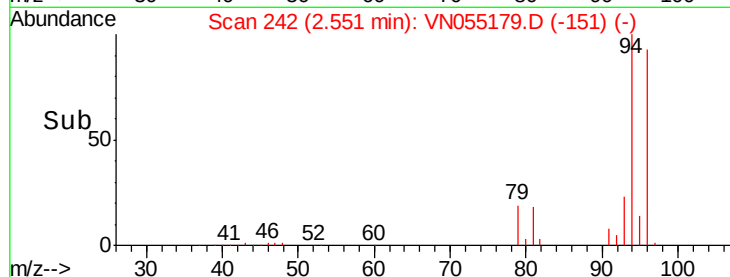
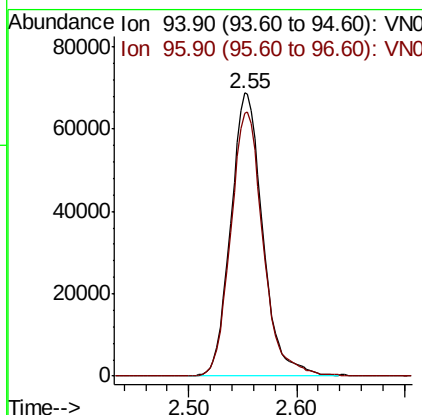
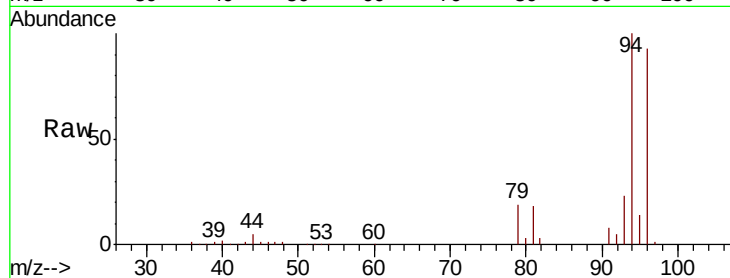




#5
Bromomethane
Concen: 43.963 ug/l
RT: 2.55 min Scan# 242
Delta R.T. -0.01 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

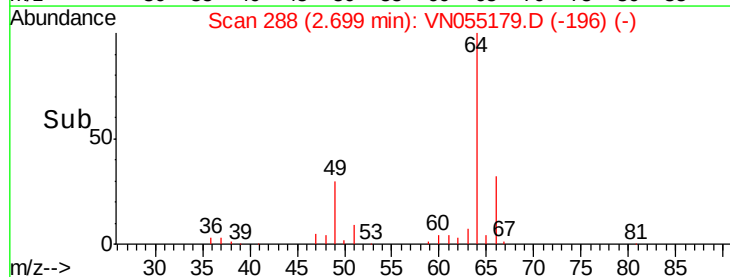
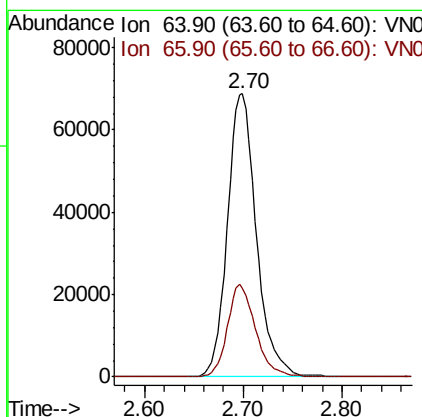
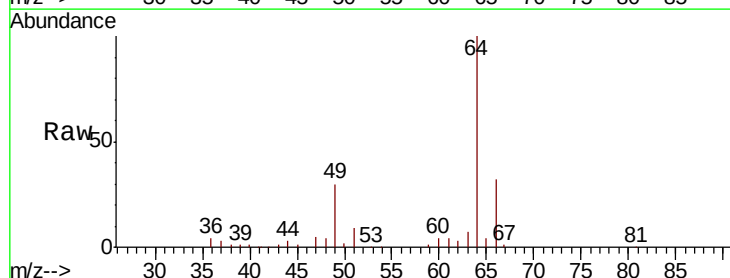
Instrument :
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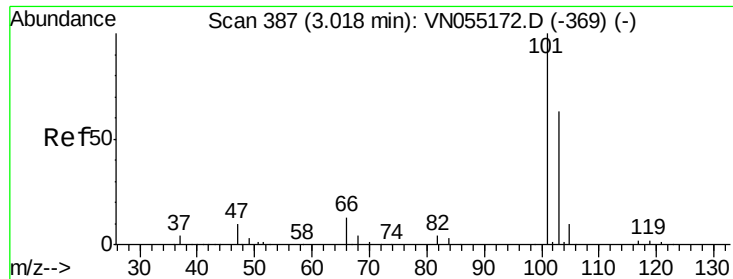
Tot Ion: 94 Resp: 142169
Ion Ratio Lower Upper
94 100
96 93.0 73.4 110.2



#6
Chloroethane
Concen: 48.063 ug/l
RT: 2.70 min Scan# 288
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 64 Resp: 141256
Ion Ratio Lower Upper
64 100
66 31.5 25.9 38.9



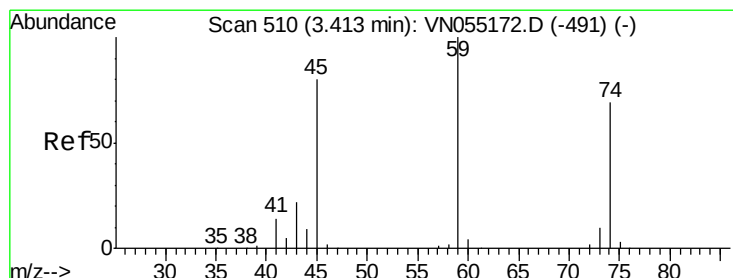
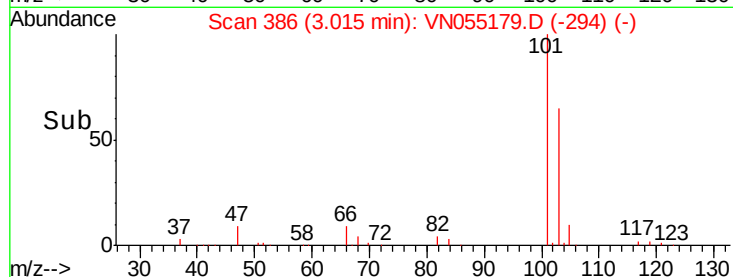
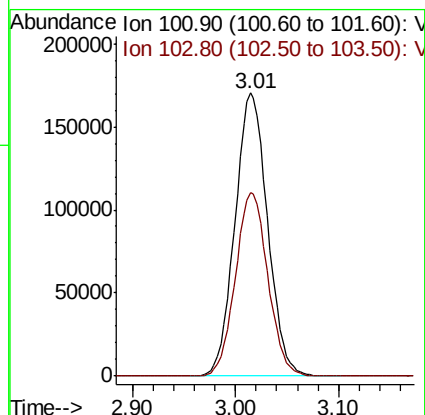
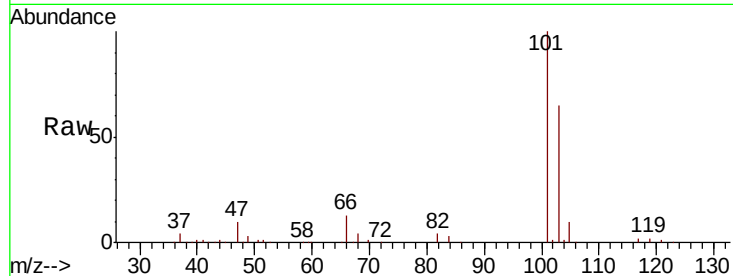


#7

Trichlorofluoromethane
Concen: 49.348 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
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ClientSampleId :
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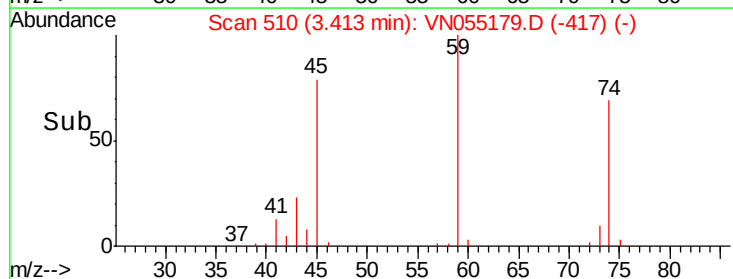
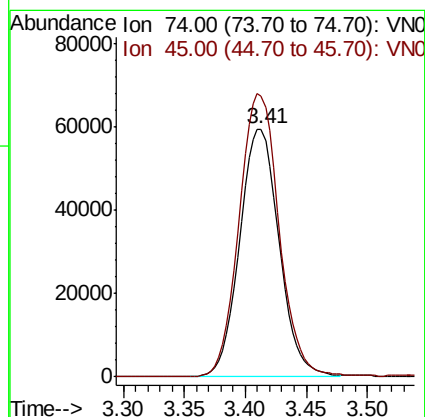
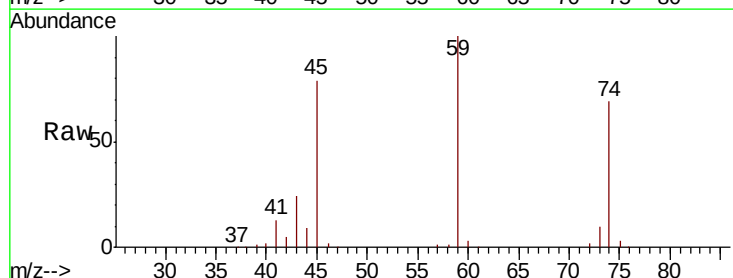
Tot Ion:101 Resp: 374471
Ion Ratio Lower Upper
101 100
103 64.8 50.1 75.1

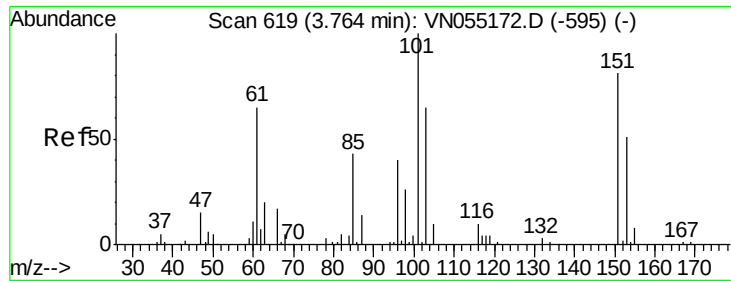


#8

Diethyl Ether
Concen: 49.239 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 74 Resp: 133363
Ion Ratio Lower Upper
74 100
45 114.8 56.9 170.6

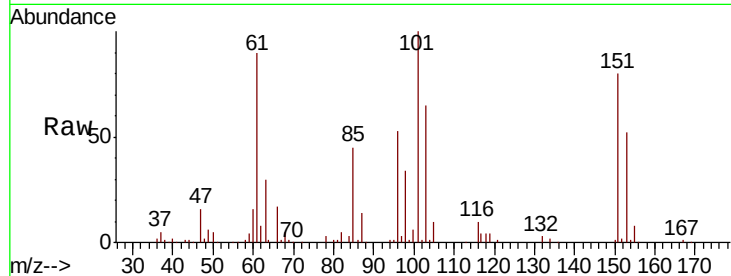




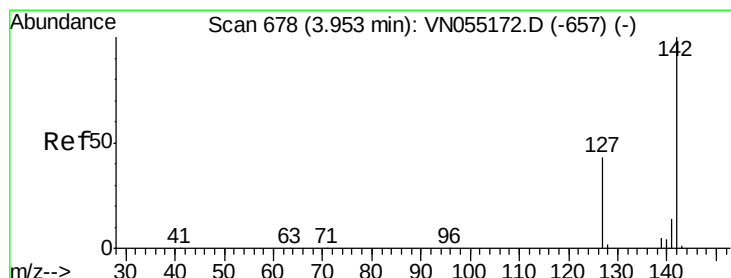
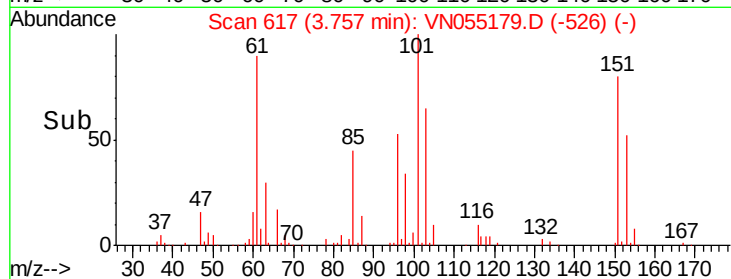
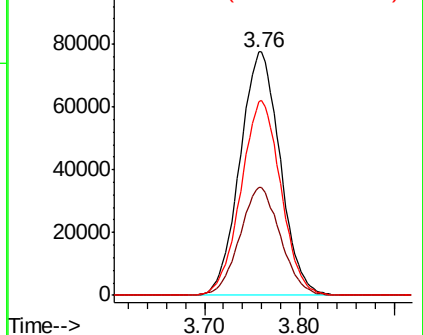
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.279 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion:101 Resp: 228609
 Ion Ratio Lower Upper
 101 100
 85 45.0 34.9 52.3
 151 79.4 63.8 95.8

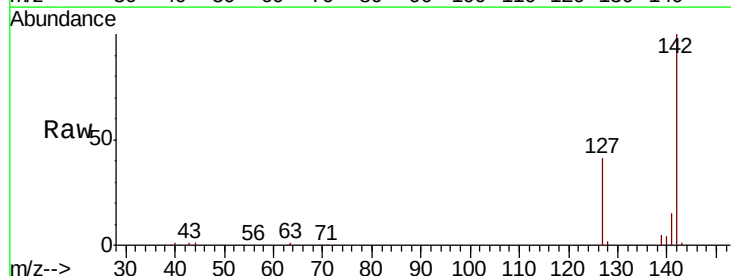


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

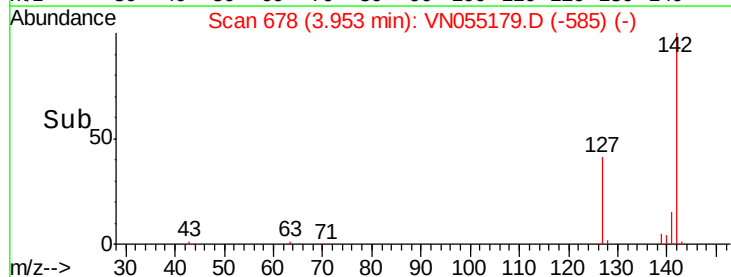
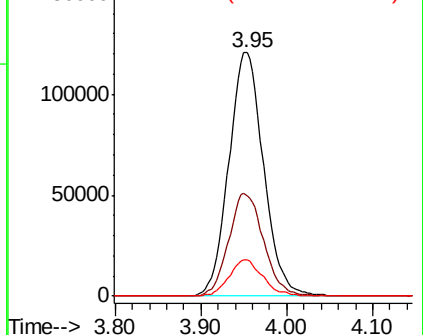


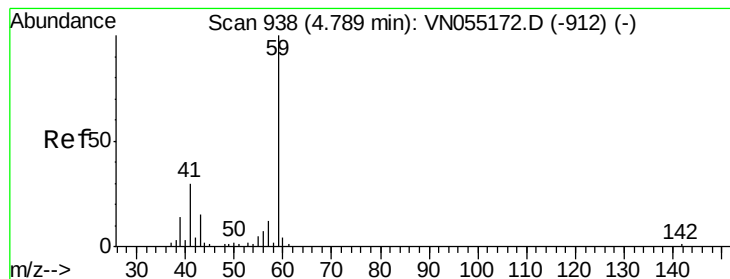
#10
 Methyl Iodide
 Concen: 51.017 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion:142 Resp: 338765
 Ion Ratio Lower Upper
 142 100
 127 42.4 34.1 51.1
 141 14.6 11.4 17.2



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



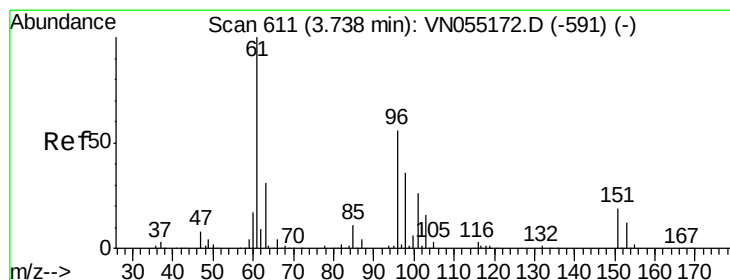
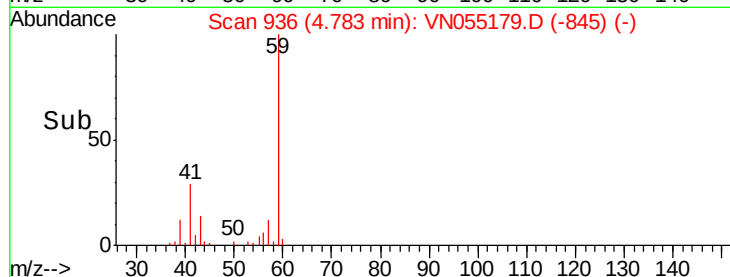
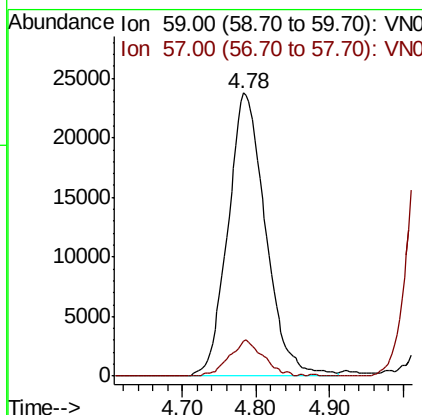
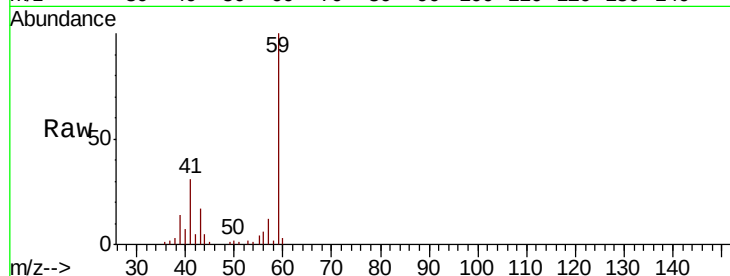


#11

Tert butyl alcohol
 Concen: 241.660 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

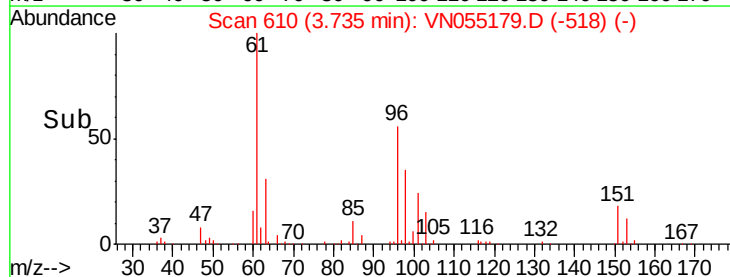
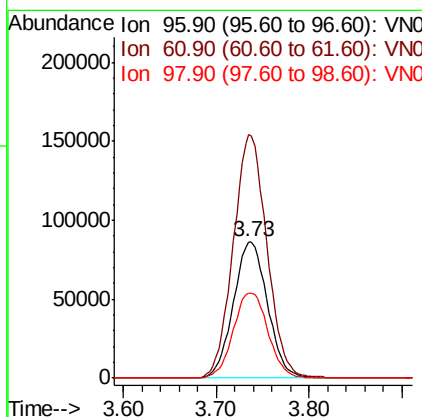
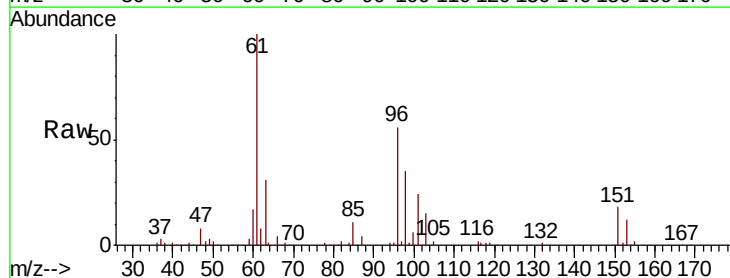
Tot Ion: 59 Resp: 84230
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.8 13.2

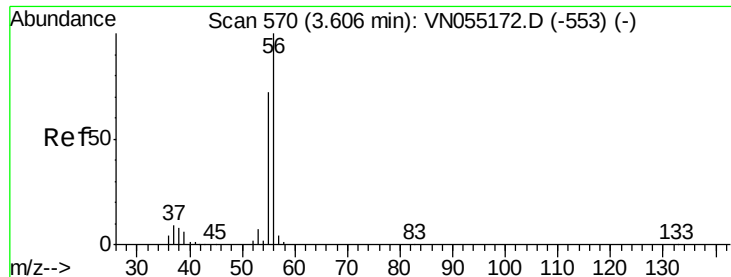


#12

1,1-Dichloroethene
 Concen: 48.689 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion: 96 Resp: 220952
 Ion Ratio Lower Upper
 96 100
 61 178.7 142.1 213.1
 98 62.6 51.2 76.8





#13

Acrolein

Concen: 255.448 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

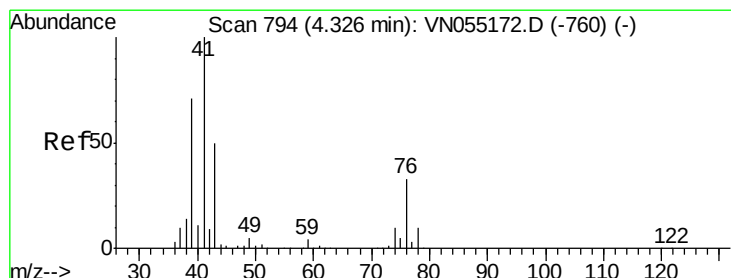
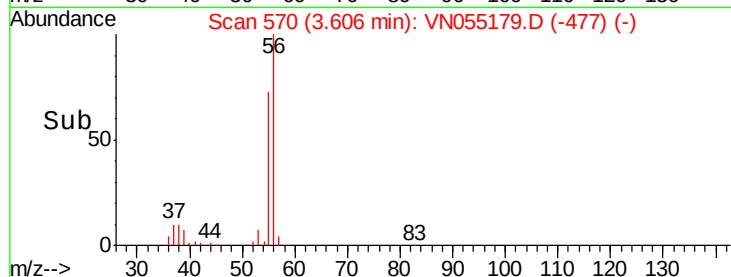
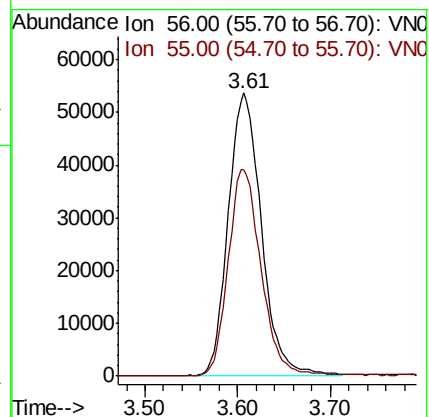
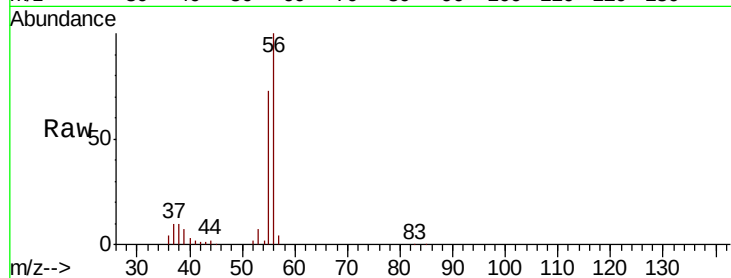
ICVVN042219

Tot Ion: 56 Resp: 133581

Ion Ratio Lower Upper

56 100

55 72.3 57.4 86.0



#14

Allyl chloride

Concen: 48.974 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

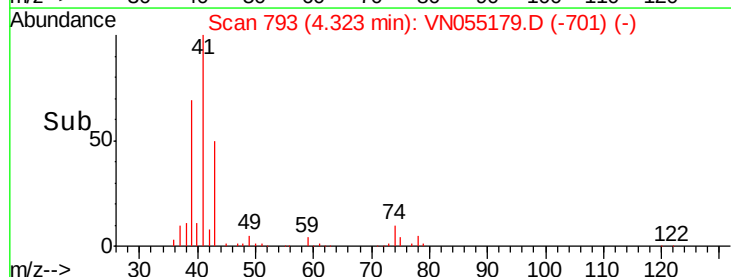
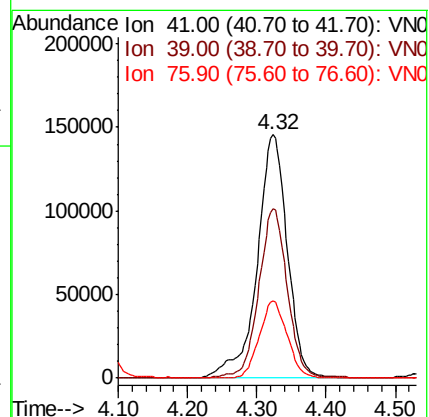
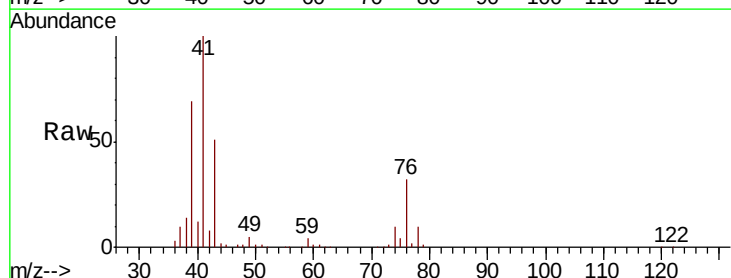
Tgt Ion: 41 Resp: 439353

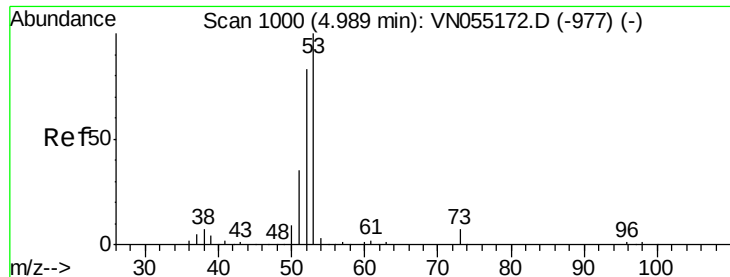
Ion Ratio Lower Upper

41 100

39 65.4 52.9 79.3

76 29.4 23.6 35.4





#15

Acrylonitrile

Concen: 253.132 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

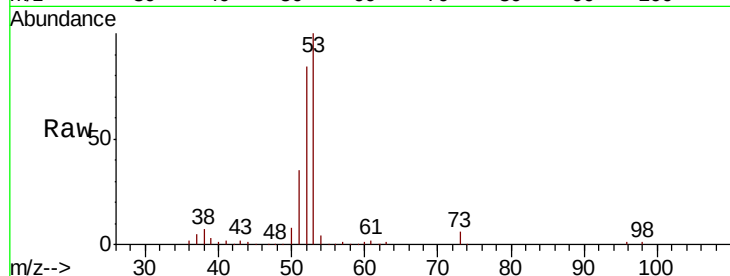
Tot Ion: 53 Resp: 483869

Ion Ratio Lower Upper

53 100

52 83.0 65.8 98.8

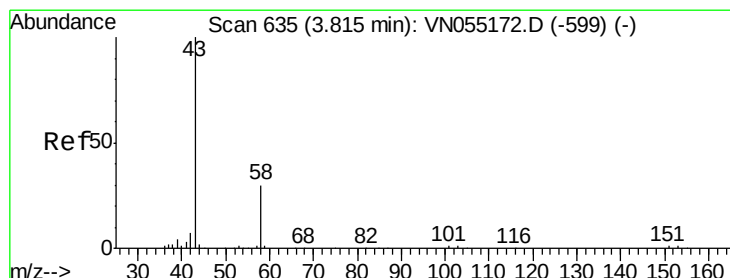
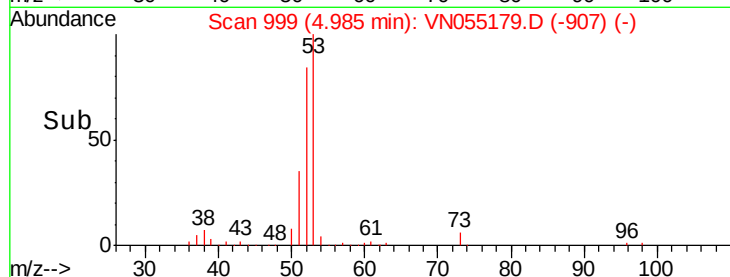
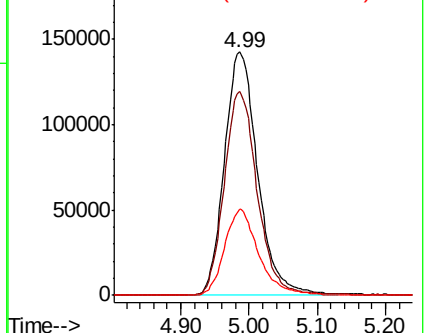
51 36.2 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 241.975 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN055179.D

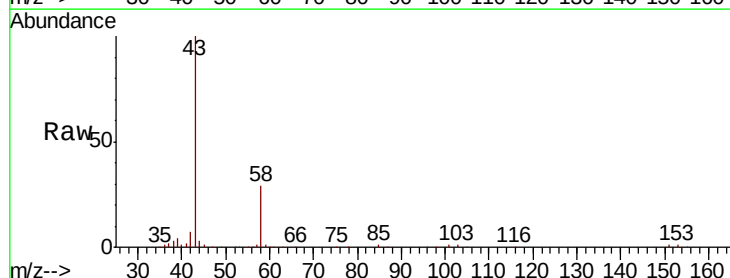
Acq: 22 Apr 2019 13:46

Tgt Ion: 43 Resp: 477569

Ion Ratio Lower Upper

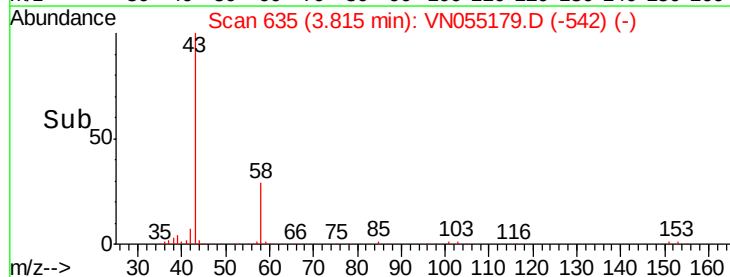
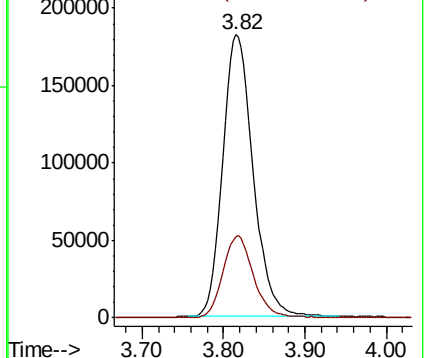
43 100

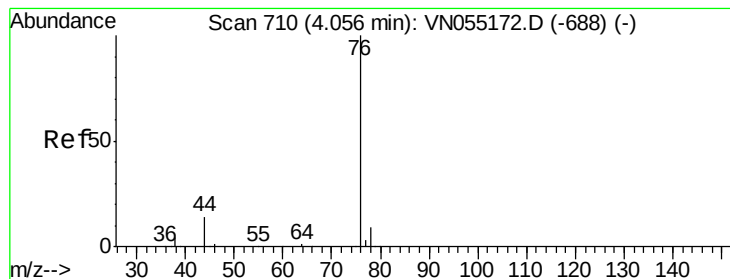
58 28.7 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 49.474 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

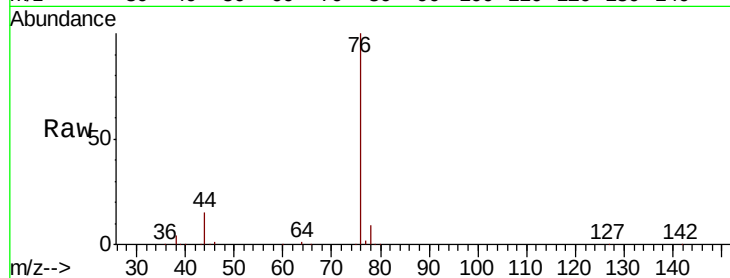
ICVVN042219

Tot Ion: 76 Resp: 627666

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

250000

200000

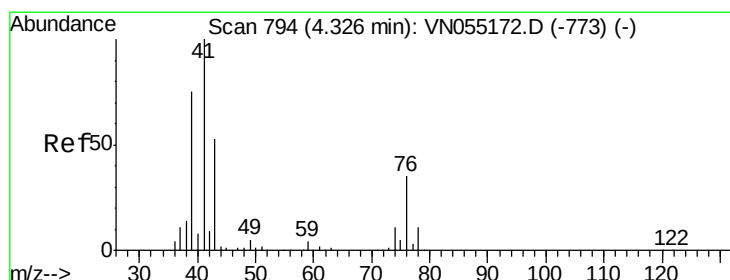
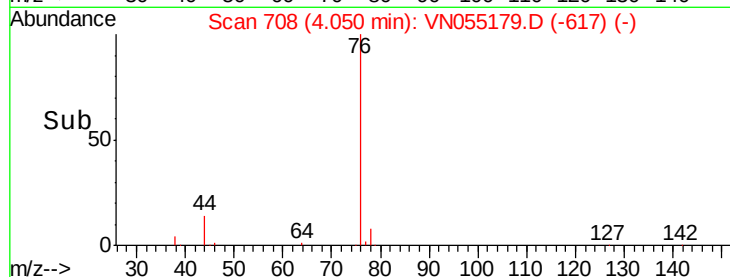
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 50.606 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055179.D

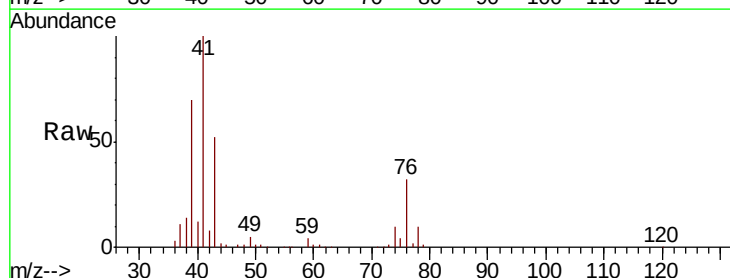
Acq: 22 Apr 2019 13:46

Tgt Ion: 43 Resp: 214560

Ion Ratio Lower Upper

43 100

74 20.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

80000

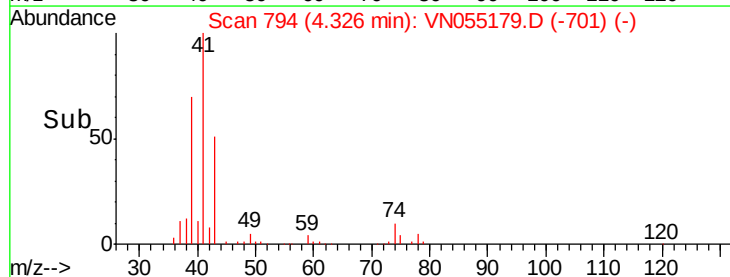
60000

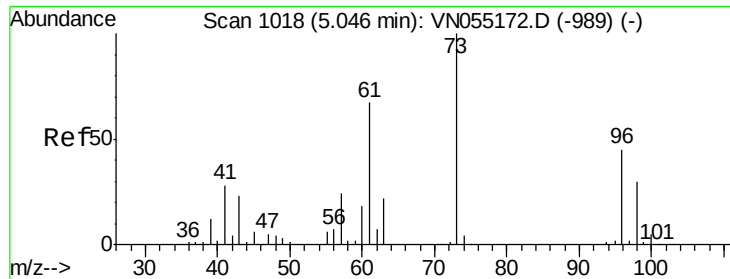
40000

20000

0

Time--> 4.20 4.30 4.40

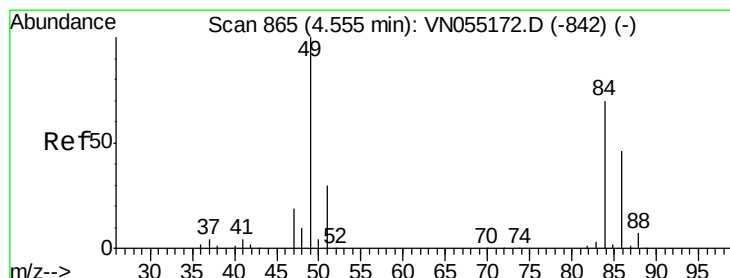
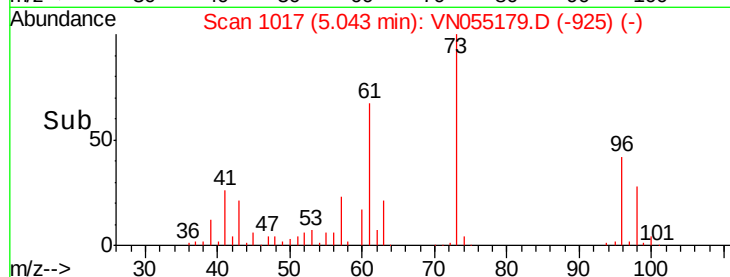
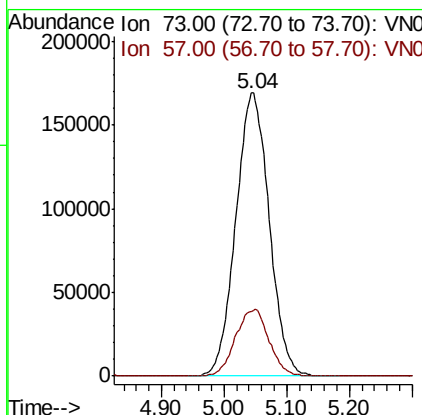
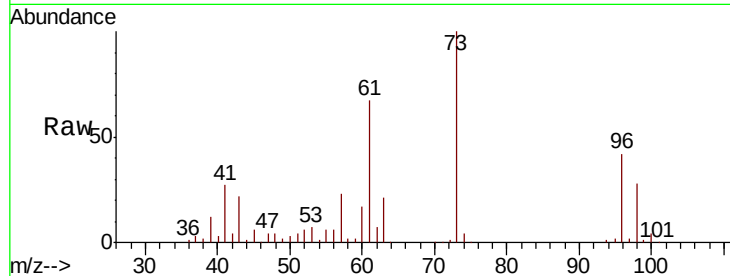




#19
Methvl tert-butyl Ether
Concen: 49.834 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

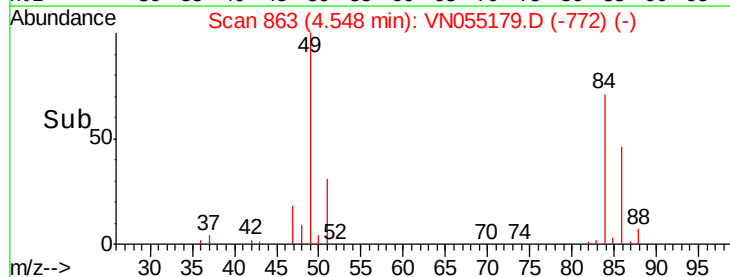
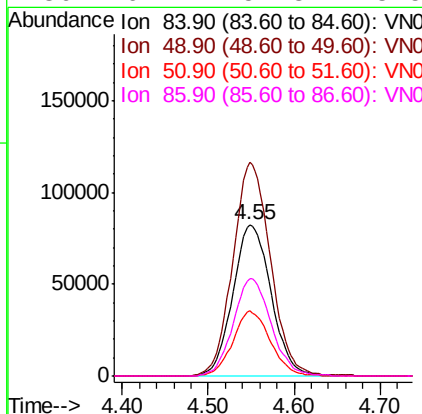
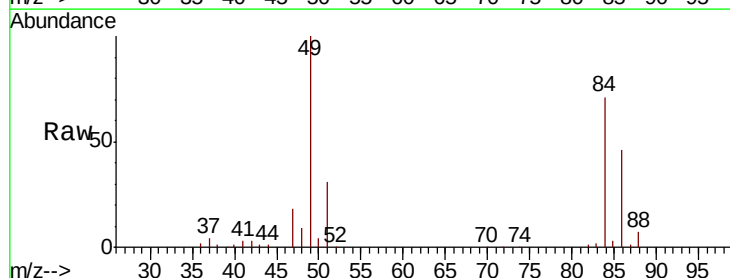
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

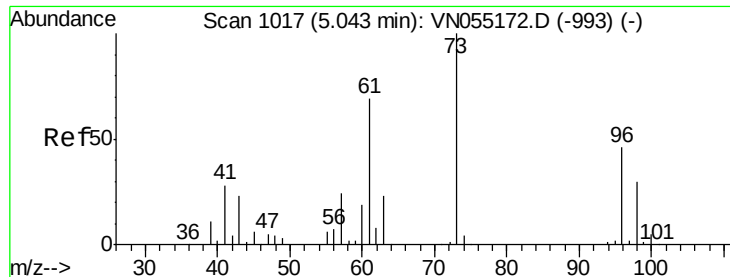
Tot Ion: 73 Resp: 625248
Ion Ratio Lower Upper
73 100
57 23.0 19.5 29.3



#20
Methylene Chloride
Concen: 44.874 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 84 Resp: 254609
Ion Ratio Lower Upper
84 100
49 140.9 113.8 170.6
51 43.2 34.0 51.0
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.925 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

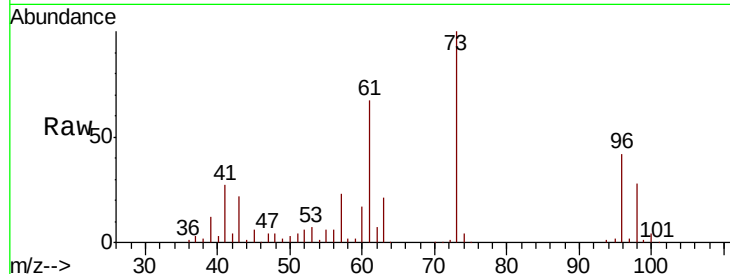
Tot Ion: 96 Resp: 232815

Ion Ratio Lower Upper

96 100

61 158.9 119.3 178.9

98 65.4 53.0 79.4

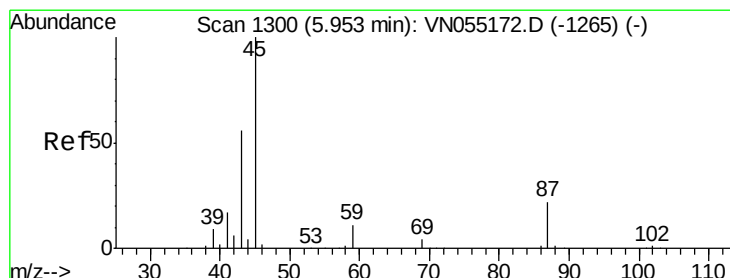
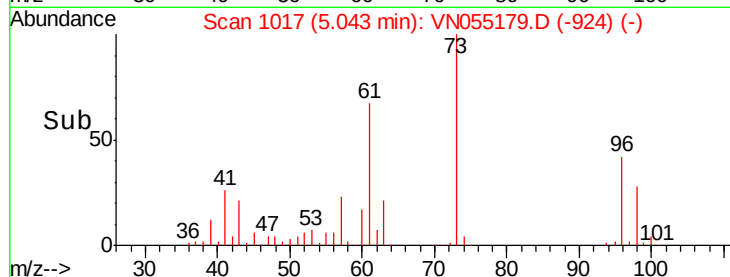
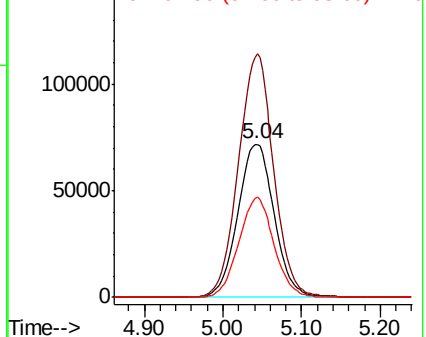


Abundance

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: 48.667 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion: 45 Resp: 870271

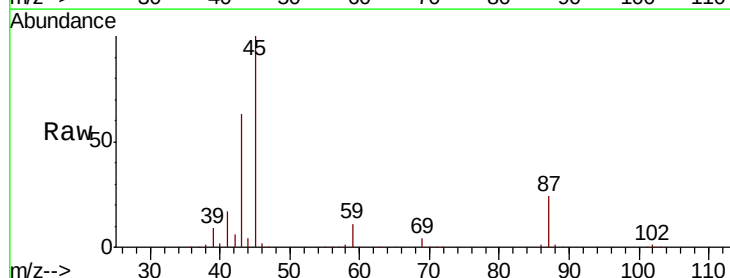
Ion Ratio Lower Upper

45 100

43 61.7 47.4 71.0

87 23.4 18.4 27.6

59 10.4 8.6 12.8



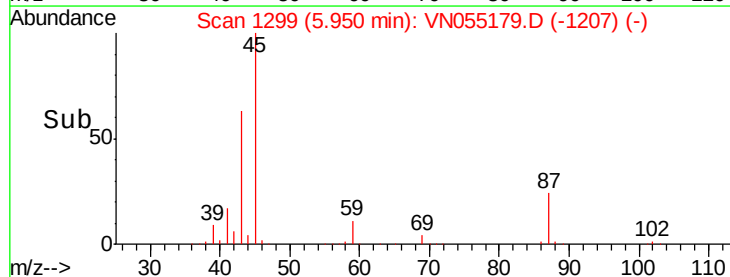
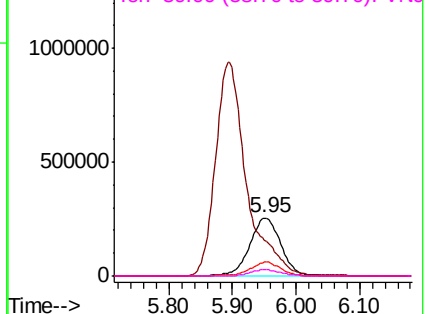
Abundance

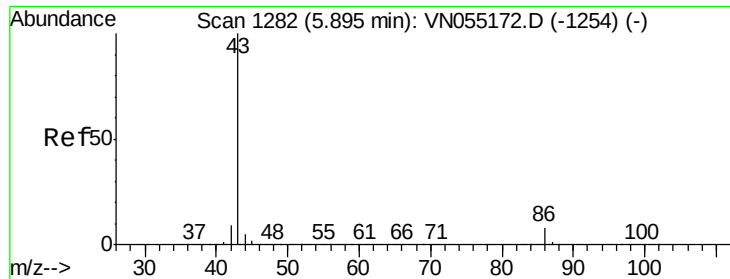
Ion 45.00 (44.70 to 45.70): VN0

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

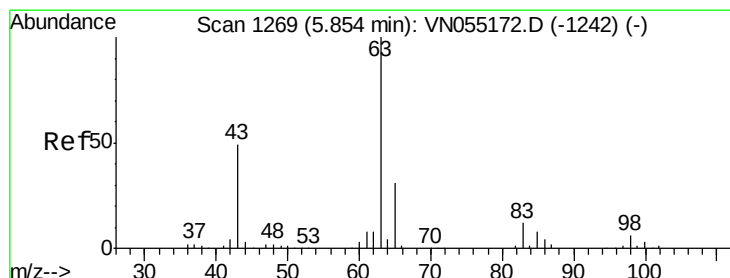
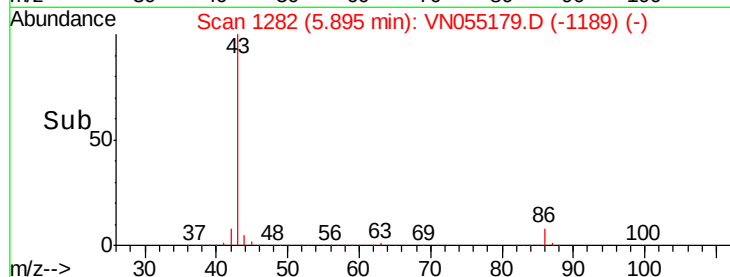
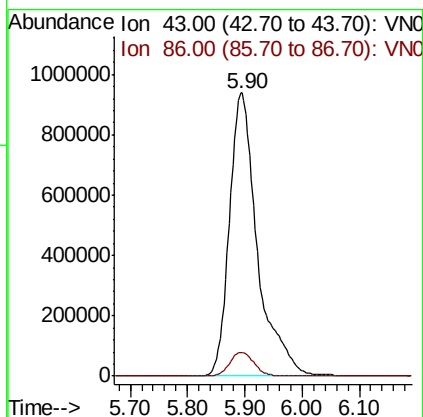
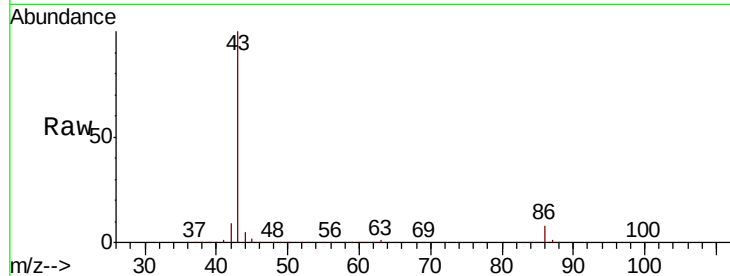




#23
 Vinyl Acetate
 Concen: 265.108 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

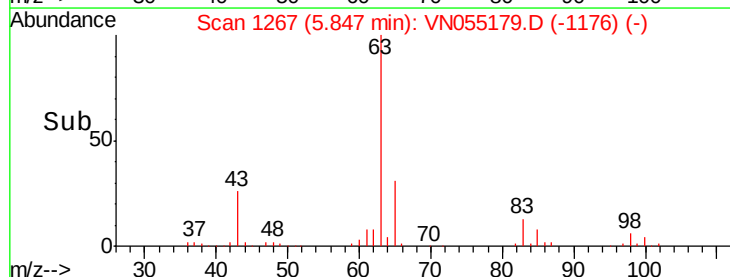
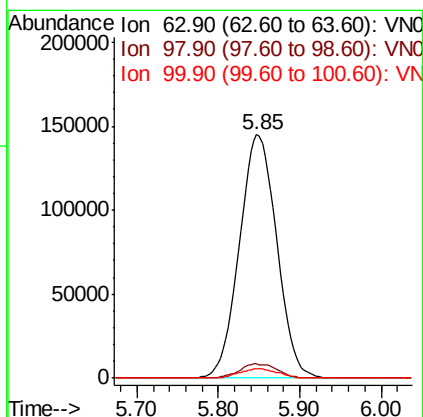
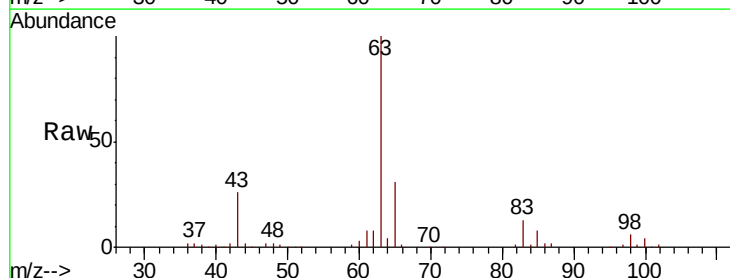
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

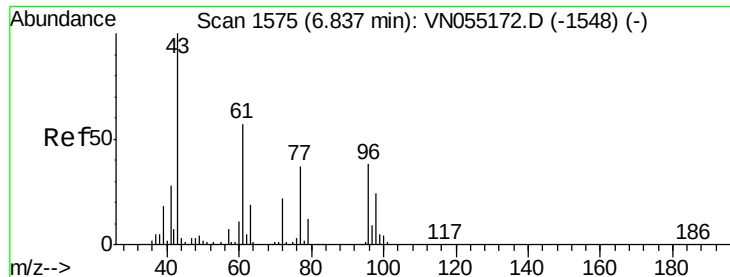
Tot Ion: 43 Resp: 3185742
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 47.640 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion: 63 Resp: 458231
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.1 9.3
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 250.538 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

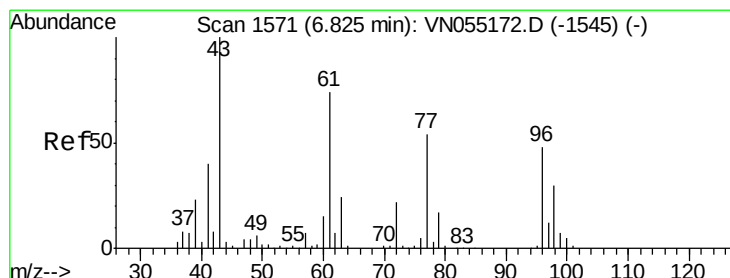
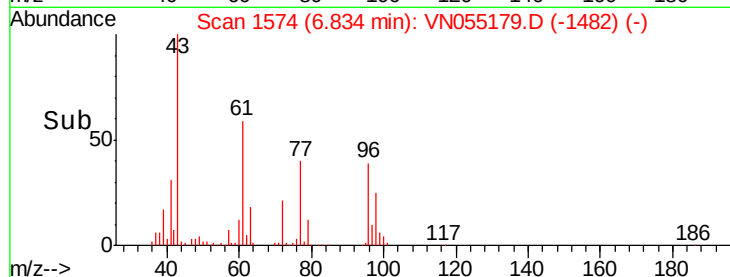
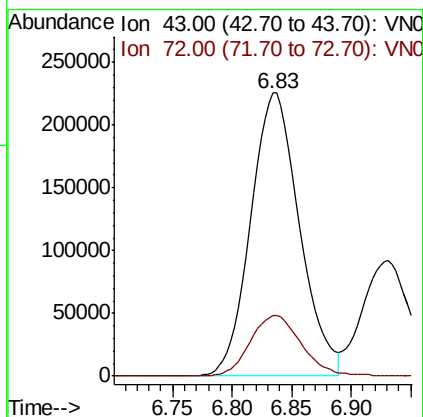
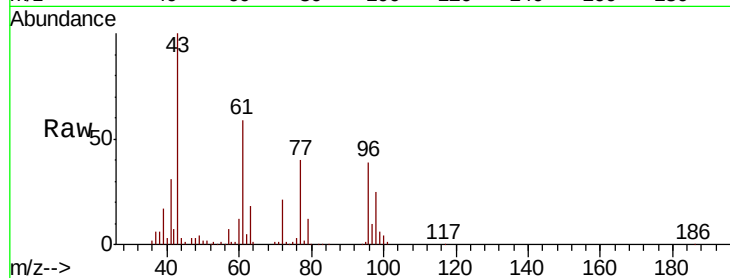
ICVVN042219

Tot Ion: 43 Resp: 638378

Ion Ratio Lower Upper

43 100

72 21.4 17.8 26.8



#26

2,2-Dichloropropane

Concen: 49.343 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055179.D

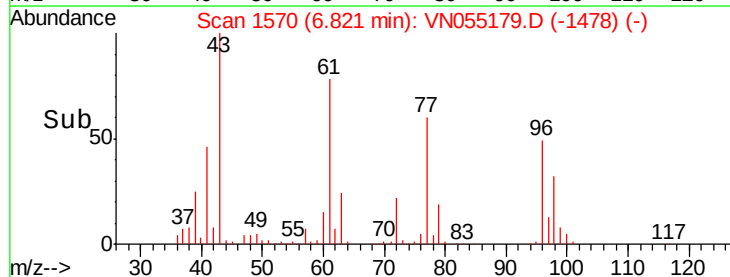
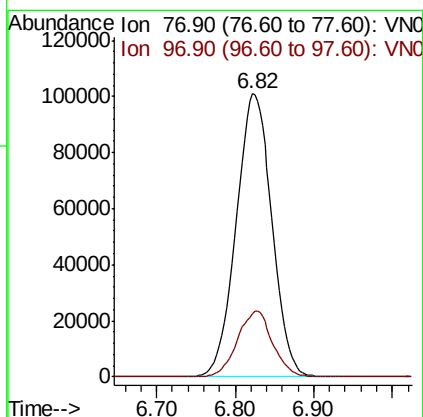
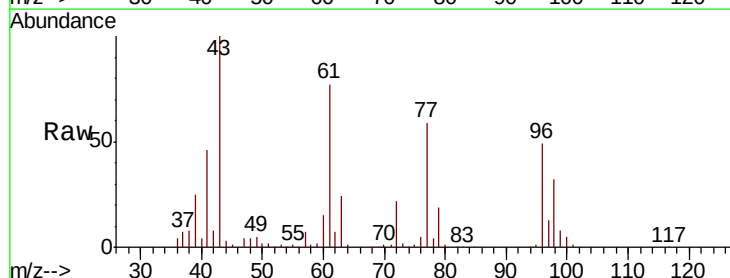
Acq: 22 Apr 2019 13:46

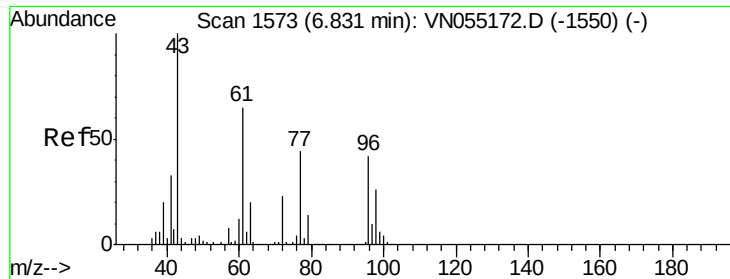
Tgt Ion: 77 Resp: 321173

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.8

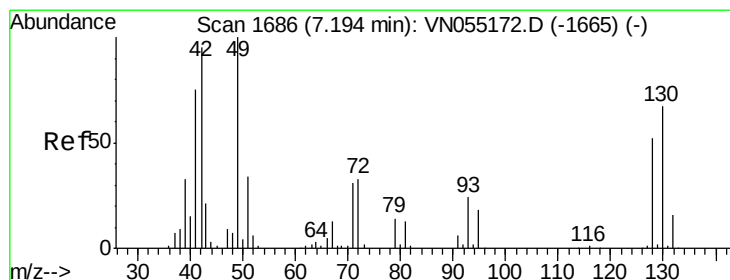
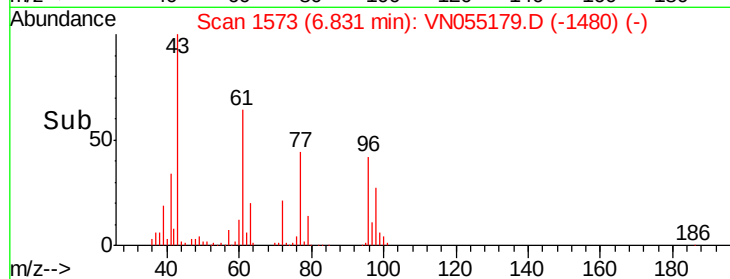
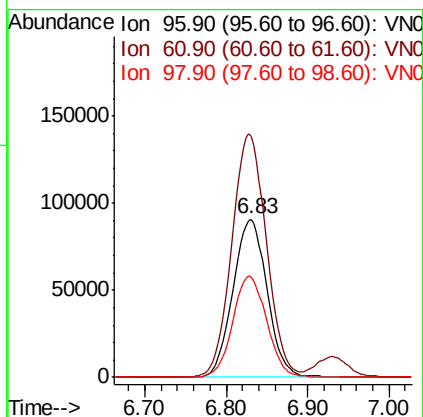
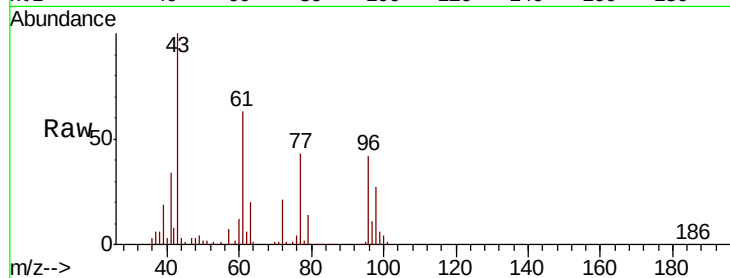




#27
 cis-1,2-Dichloroethene
 Concen: 48.104 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

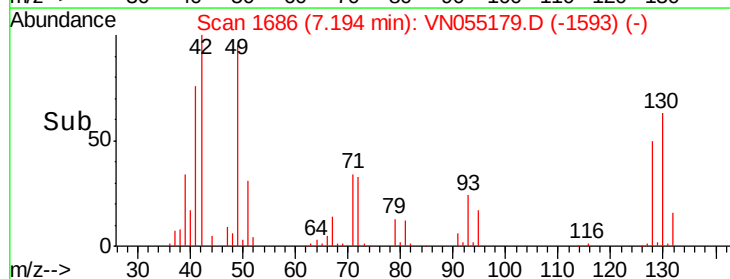
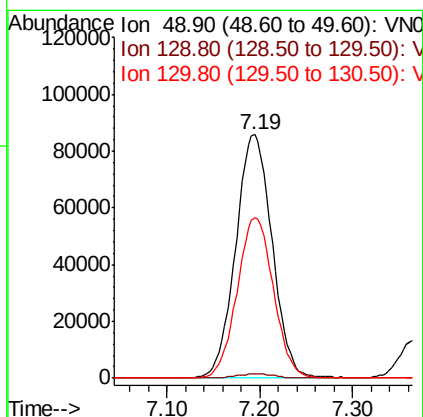
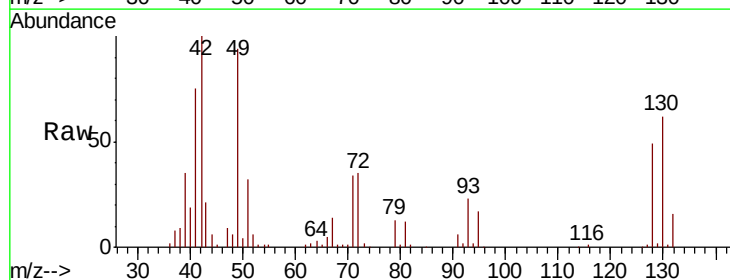
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

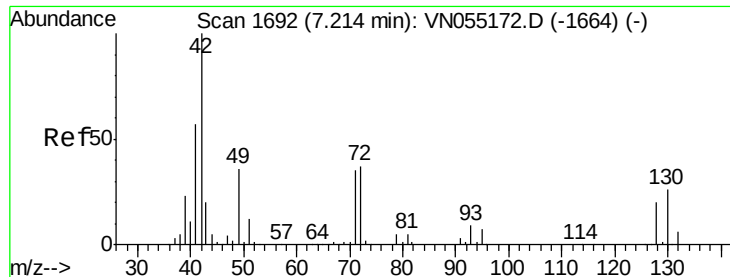
Tot Ion	96	Resp	263877
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	310.8
98	63.9	0.0	127.4



#28
 Bromochloromethane
 Concen: 47.751 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	49	Resp	234126
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	65.6	53.4	80.2





#29

Tetrahydrofuran

Concen: 254.468 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

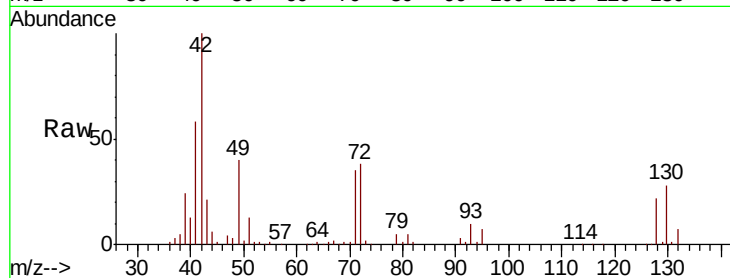
Tot Ion: 42 Resp: 398660

Ion Ratio Lower Upper

42 100

72 37.1 29.4 44.2

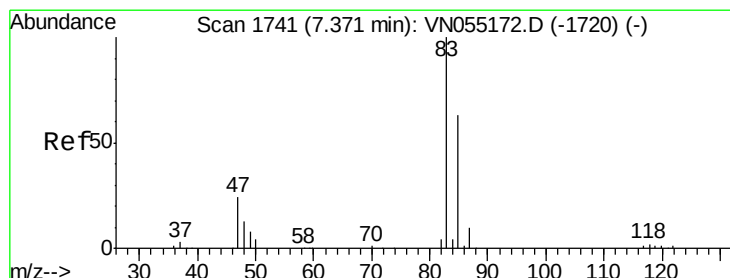
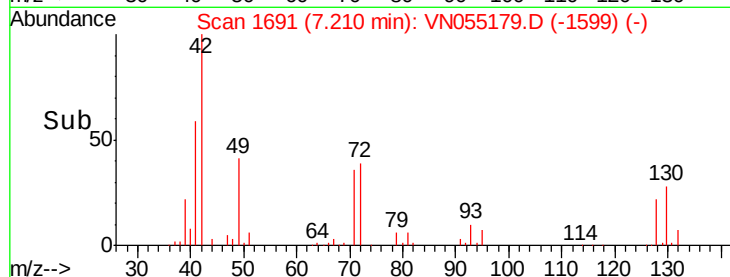
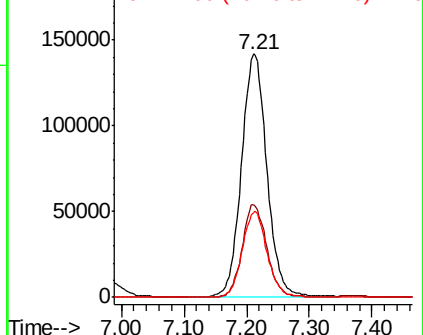
71 34.5 27.8 41.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 47.197 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055179.D

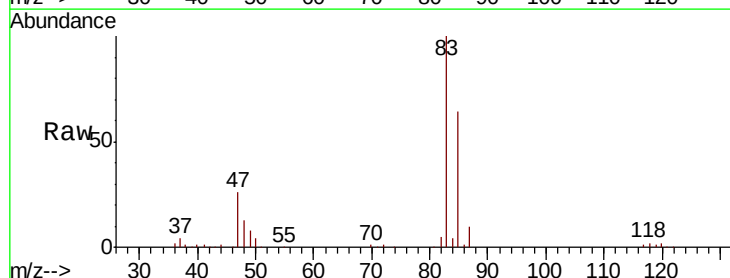
Acq: 22 Apr 2019 13:46

Tgt Ion: 83 Resp: 431824

Ion Ratio Lower Upper

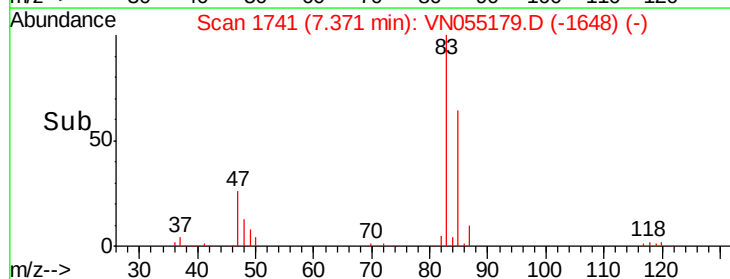
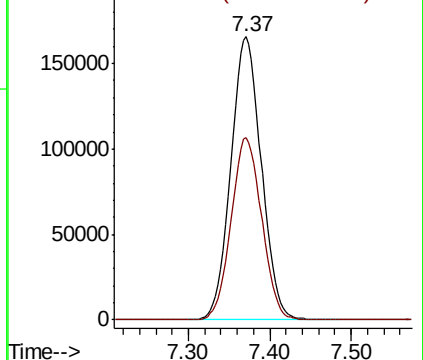
83 100

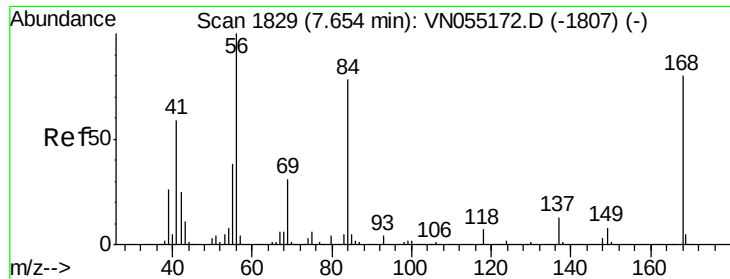
85 64.3 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

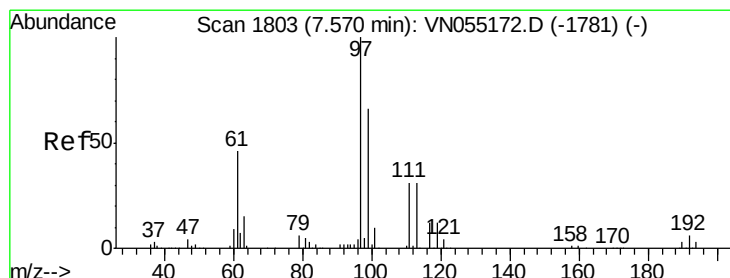
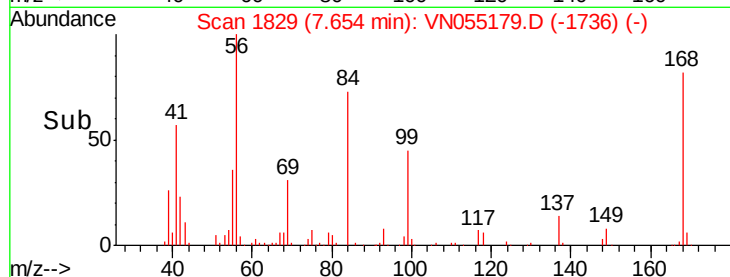
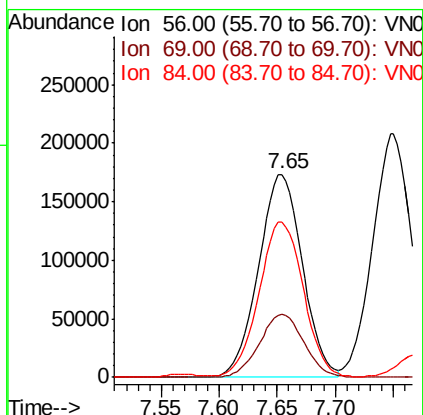
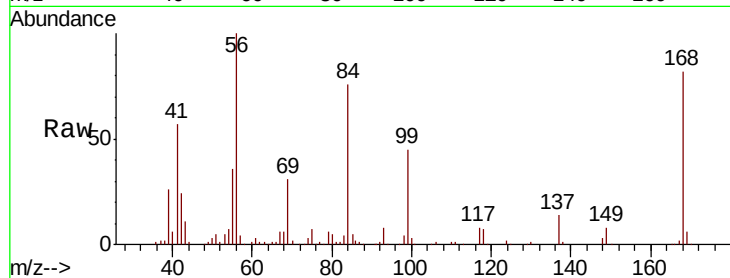




#31
Cyclohexane
Concen: 50.669 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

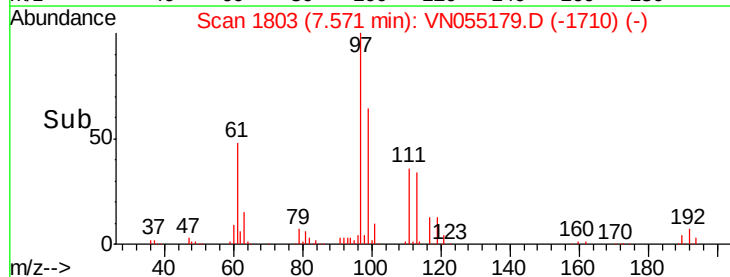
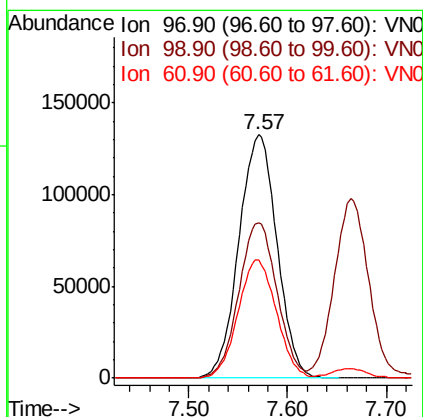
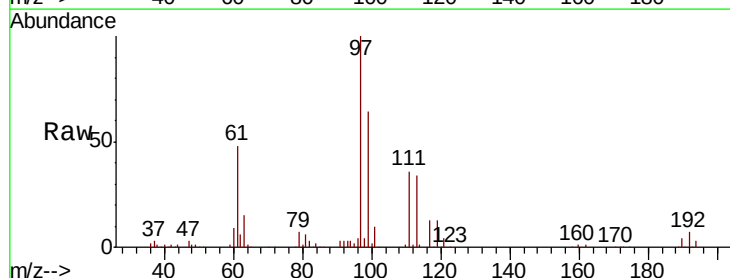
Instrument :
MSVOA_N
ClientSampled :
ICVVN042219

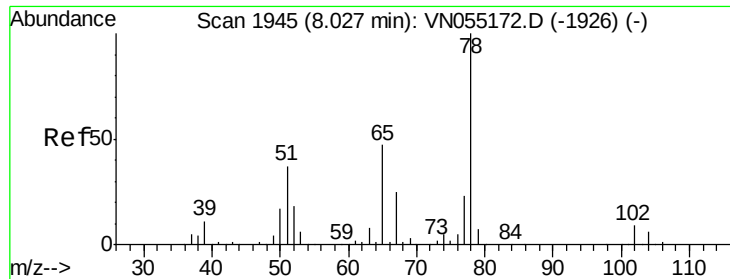
Tot Ion: 56 Resp: 456119
Ion Ratio Lower Upper
56 100
69 31.1 24.6 37.0
84 74.9 61.4 92.2



#32
1,1,1-Trichloroethane
Concen: 48.276 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 97 Resp: 354849
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 48.9 38.3 57.5

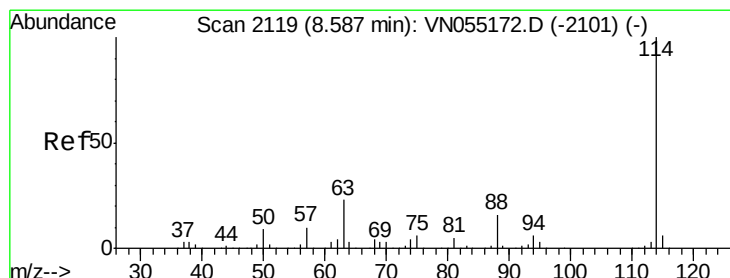
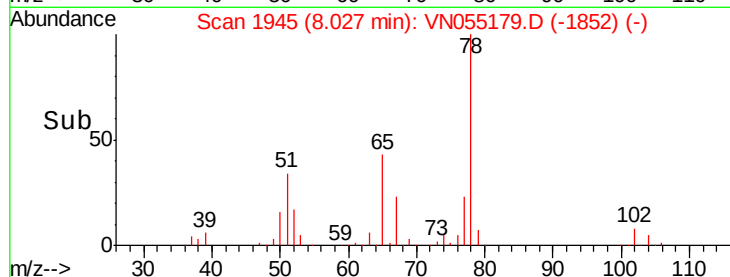
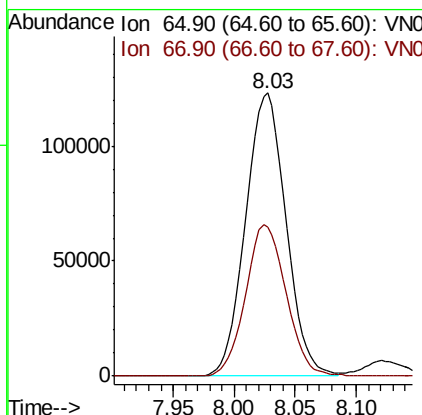
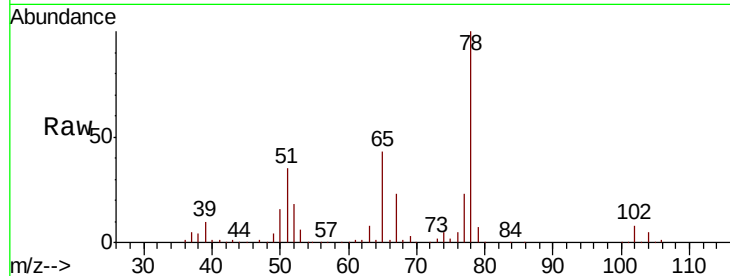




#33
 1,2-Dichloroethane-d4
 Concen: 47.233 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

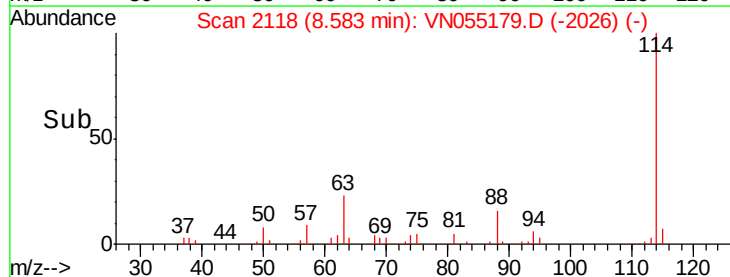
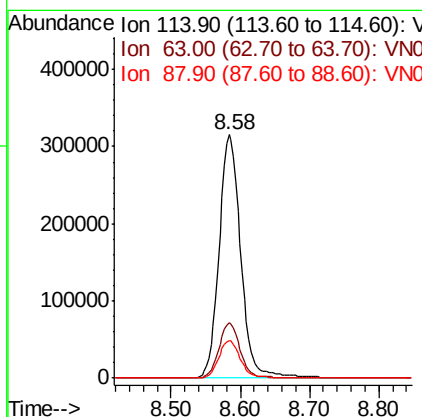
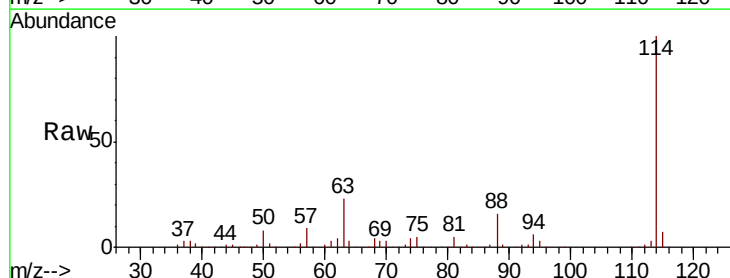
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

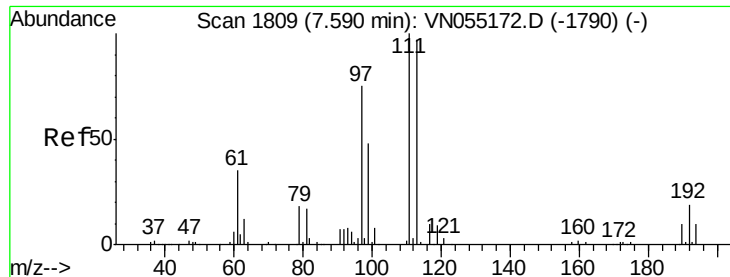
Tot Ion: 65 Resp: 281992
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion: 114 Resp: 685307
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 15.6 0.0 32.8

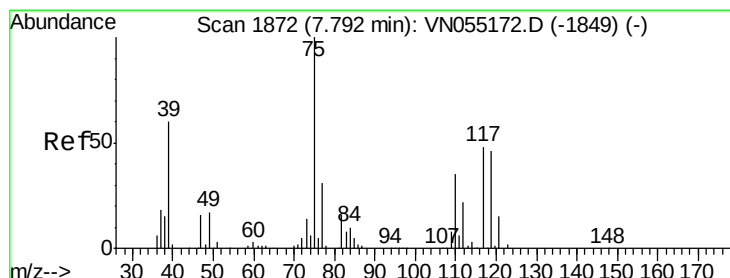
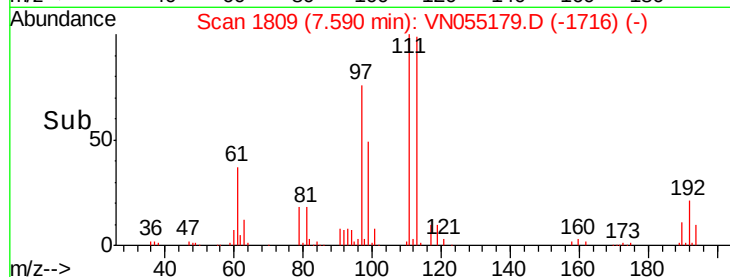
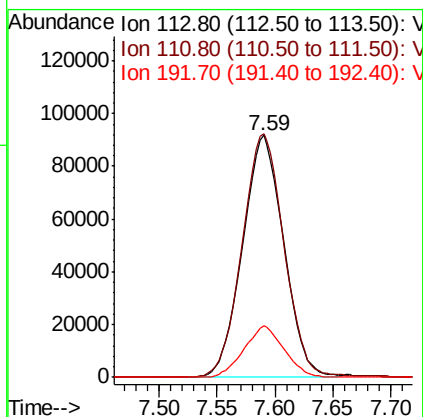
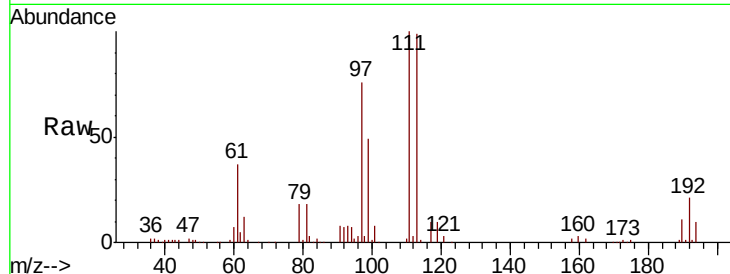




#35
 Dibromofluoromethane
 Concen: 48.649 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

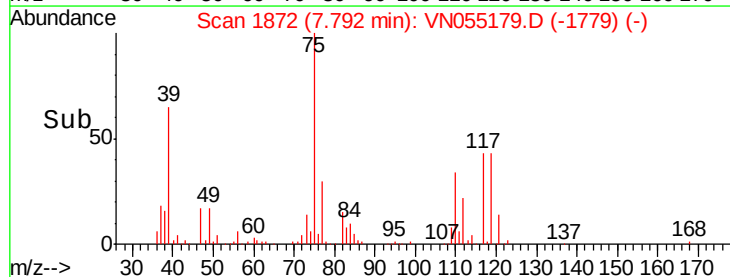
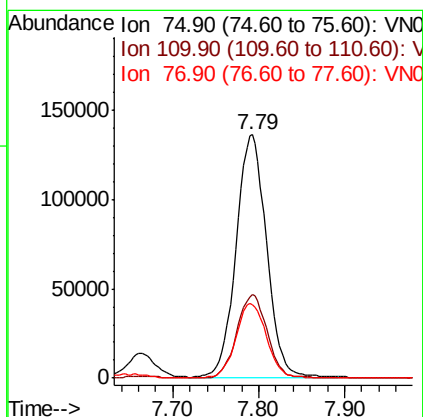
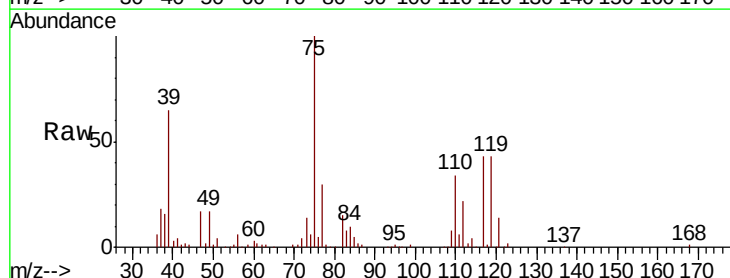
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

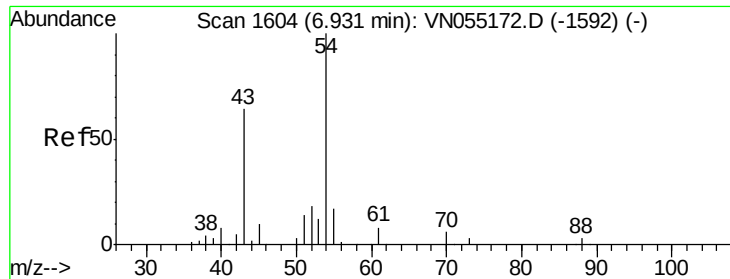
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.4
192	20.7	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 52.660 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.2
77	31.0	24.6	36.8

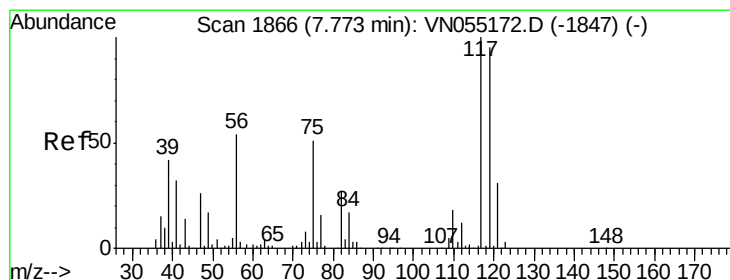
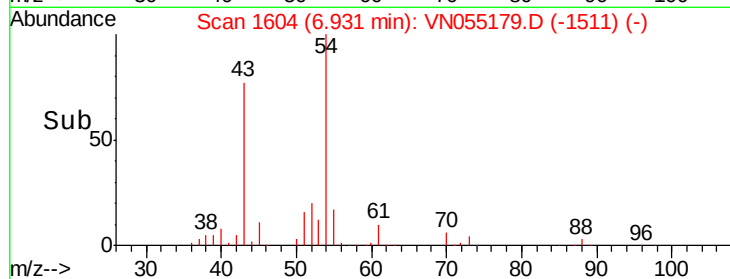
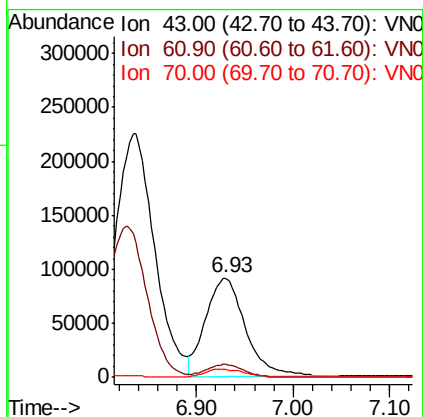
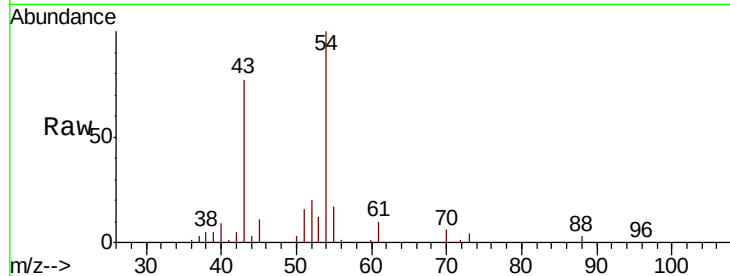




#37
Ethyl Acetate
Concen: 50.766 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

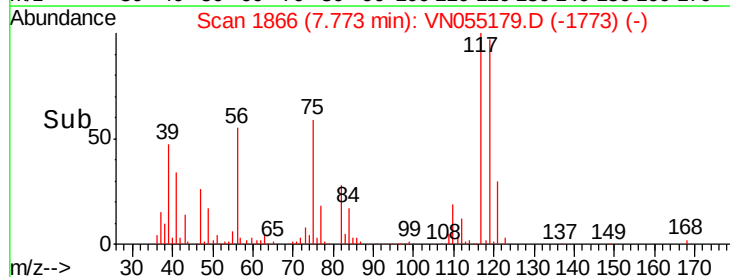
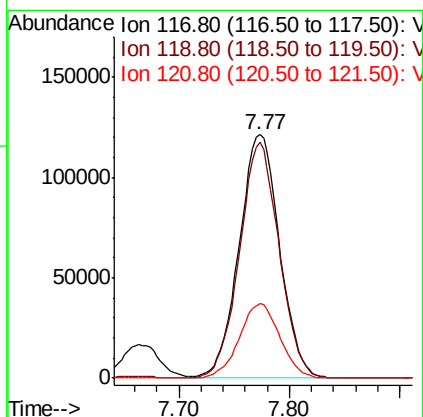
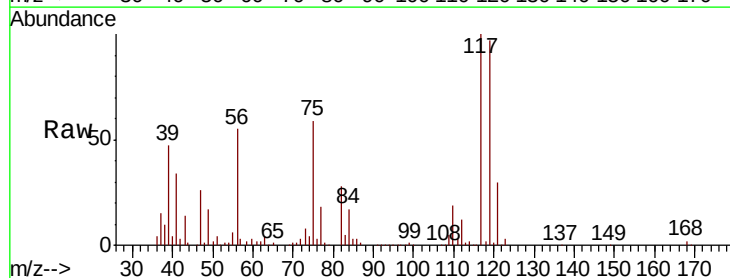
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

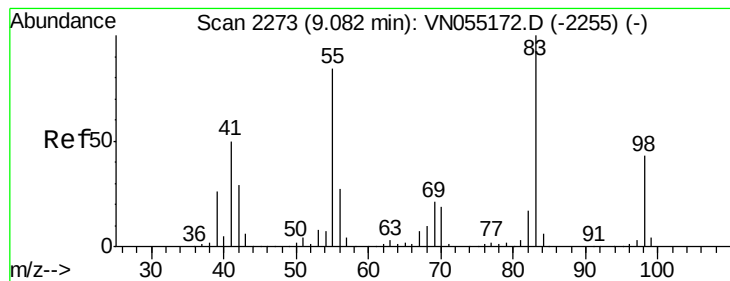
Tot Ion: 43 Resp: 260598
Ion Ratio Lower Upper
43 100
61 12.0 9.7 14.5
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 51.559 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 117 Resp: 307105
Ion Ratio Lower Upper
117 100
119 96.8 76.0 114.0
121 30.6 24.6 36.8





#39

Methylvlcyclohexane

Concen: 51.363 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

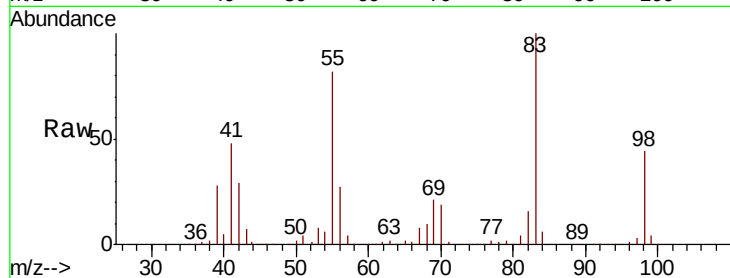
Tot Ion: 83 Resp: 389758

Ion Ratio Lower Upper

83 100

55 81.6 67.4 101.0

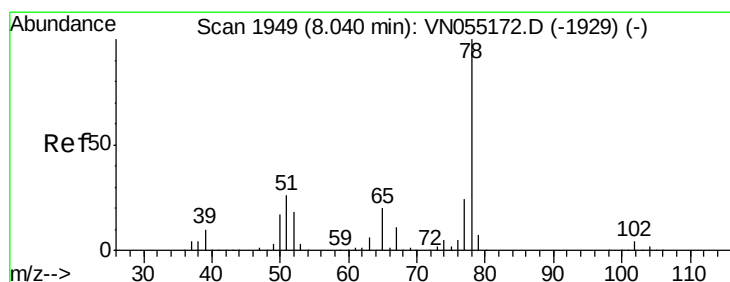
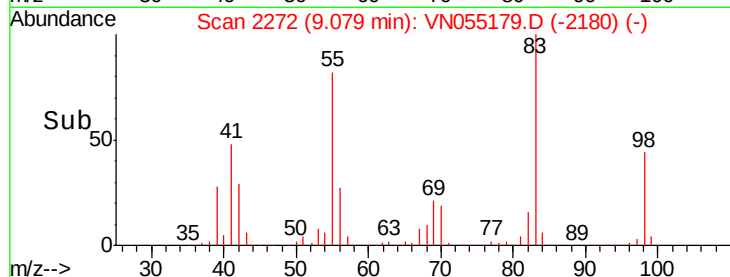
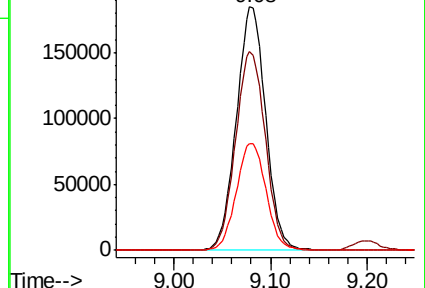
98 44.1 34.7 52.1



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: 49.985 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055179.D

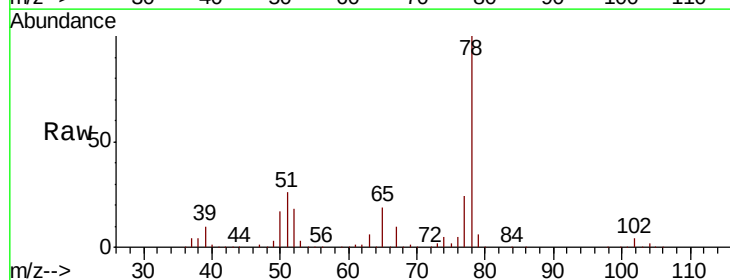
Acq: 22 Apr 2019 13:46

Tgt Ion: 78 Resp: 981466

Ion Ratio Lower Upper

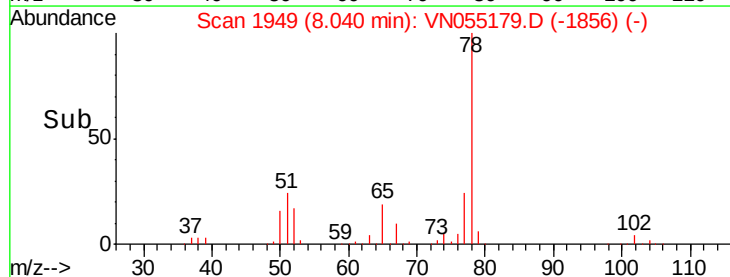
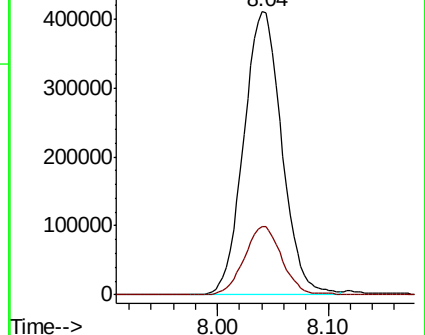
78 100

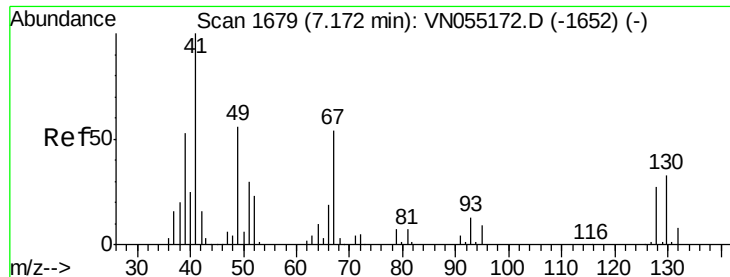
77 24.3 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

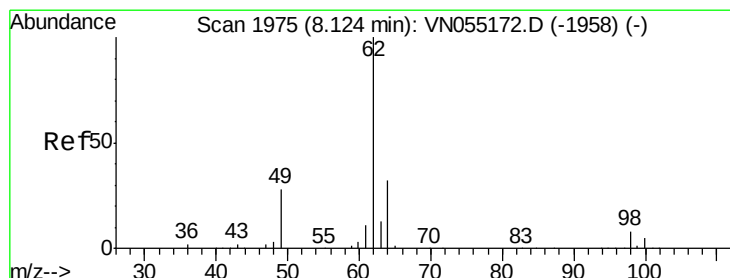
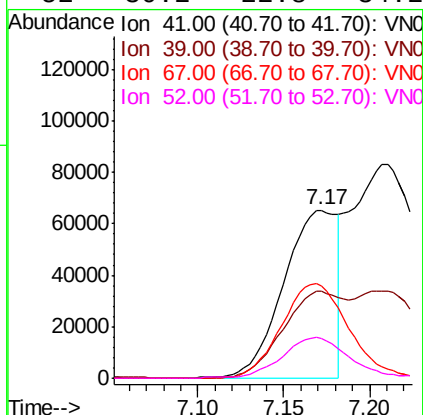
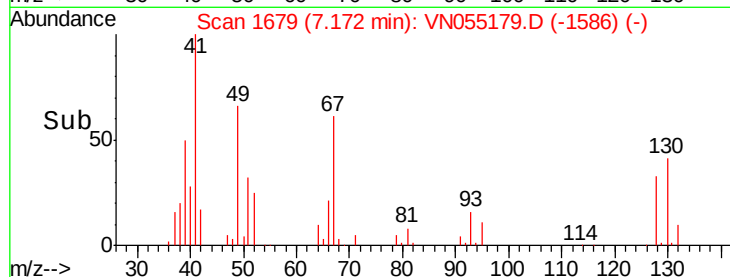
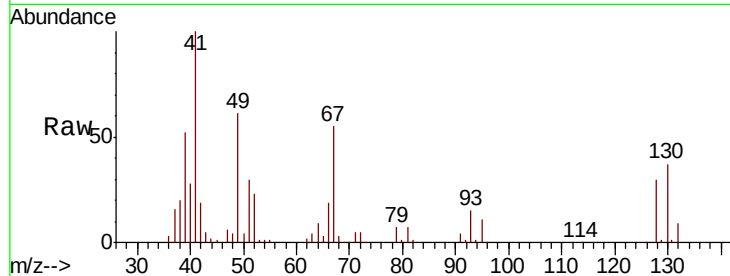




#41
Methacrylonitrile
Concen: 52.287 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

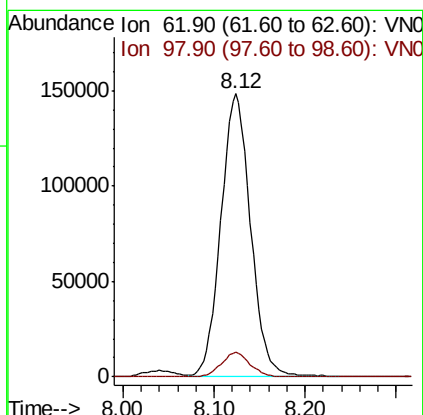
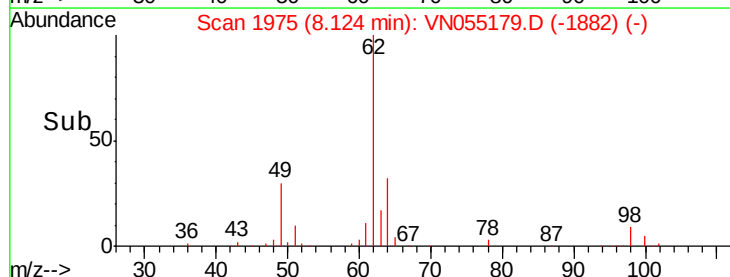
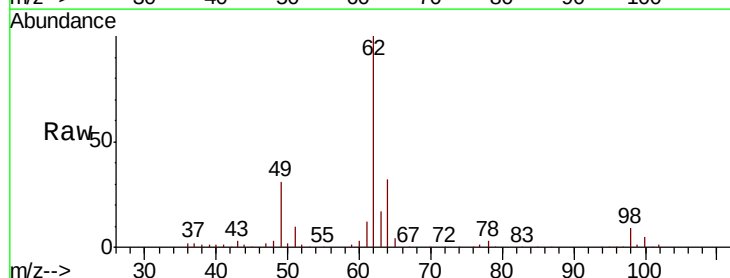
Instrument :
MSVOA_N
ClientSampled :
ICVVN042219

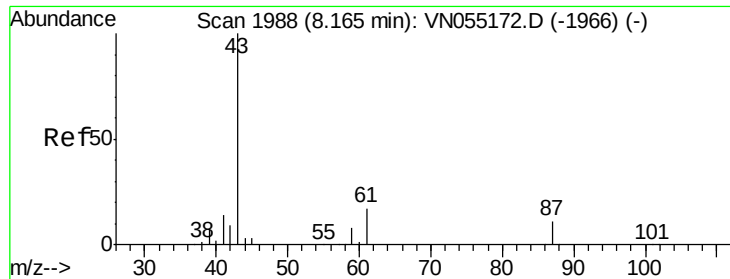
Tot Ion:	41	Resp:	140716
Ion	Ratio	Lower	Upper
41	100		
39	60.0	45.4	68.0
67	71.2	54.6	81.8
52	30.2	22.8	34.2



#42
1,2-Dichloroethane
Concen: 48.984 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion:	62	Resp:	335546
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 53.509 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

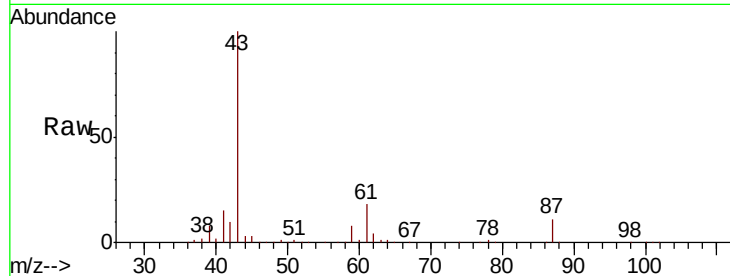
Tot Ion: 43 Resp: 444797

Ion Ratio Lower Upper

43 100

61 18.0 20.6 30.8#

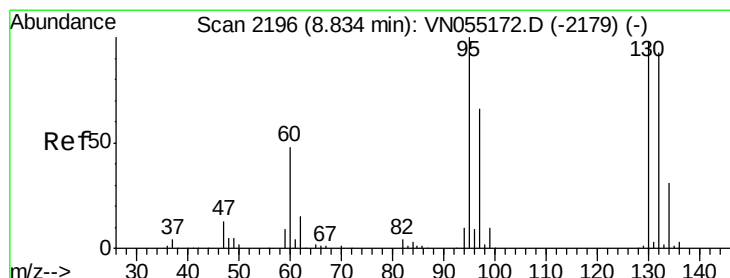
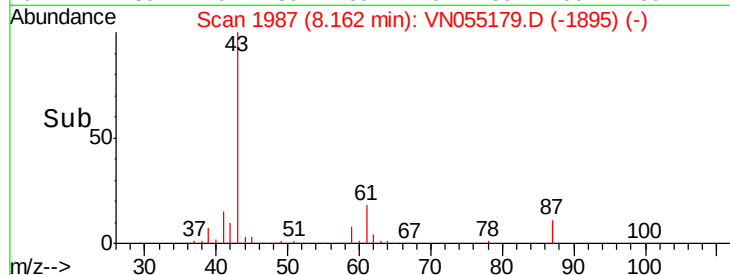
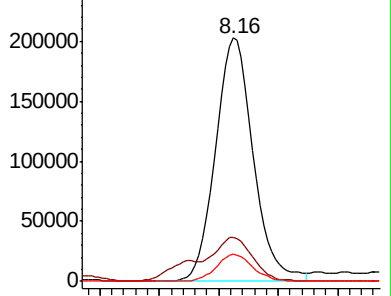
87 11.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN055172.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN055172.D (-1966) (-)



#44

Trichloroethene

Concen: 50.666 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055179.D

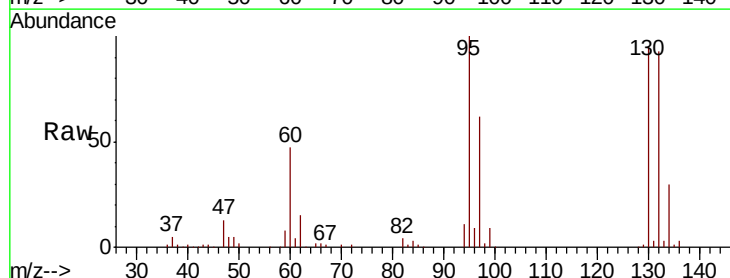
Acq: 22 Apr 2019 13:46

Tgt Ion:130 Resp: 251443

Ion Ratio Lower Upper

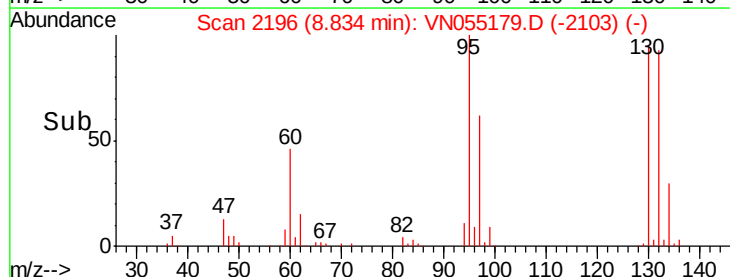
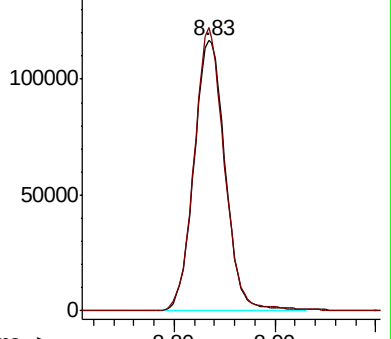
130 100

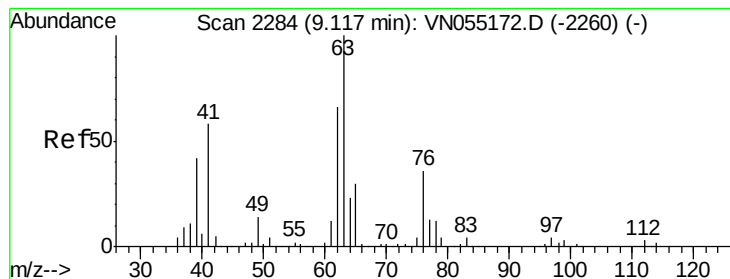
95 104.8 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055172.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 49.947 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

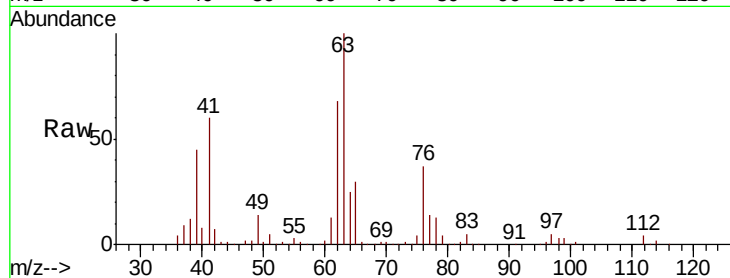
ICVVN042219

Tot Ion: 63 Resp: 276835

Ion Ratio Lower Upper

63 100

65 29.9 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

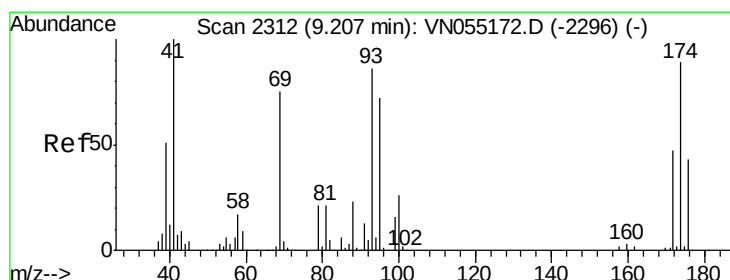
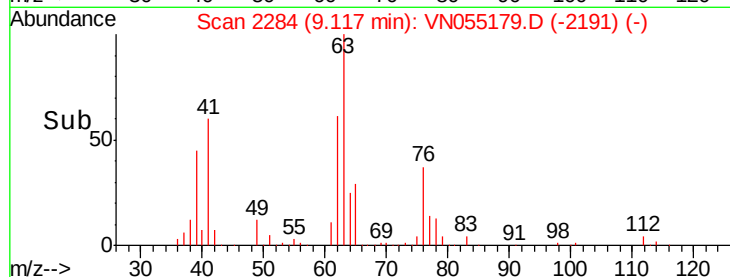
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 49.021 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

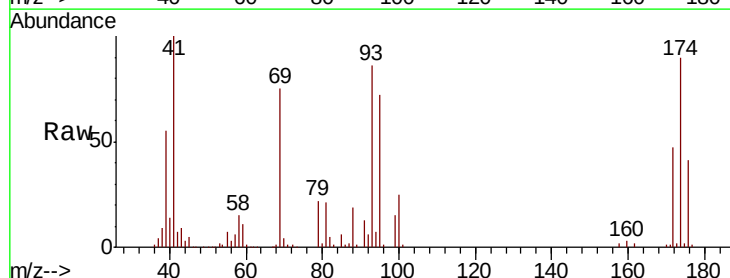
Tgt Ion: 93 Resp: 155535

Ion Ratio Lower Upper

93 100

95 82.1 67.6 101.4

174 103.5 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

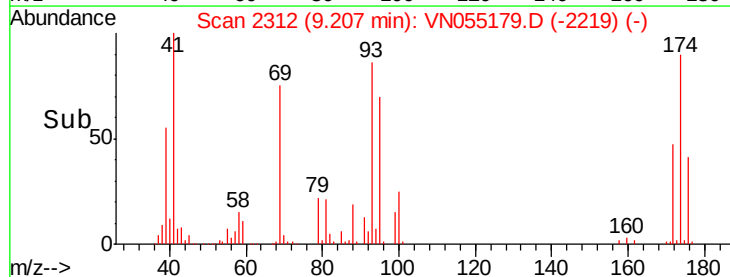
40000

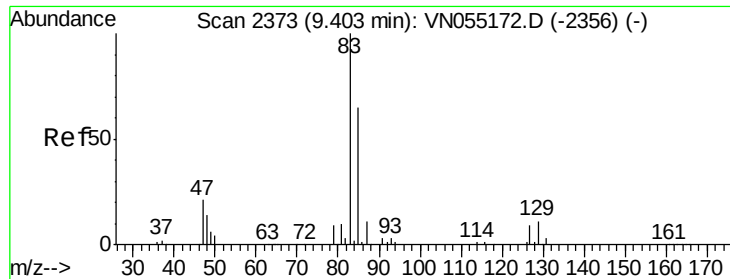
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 51.763 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

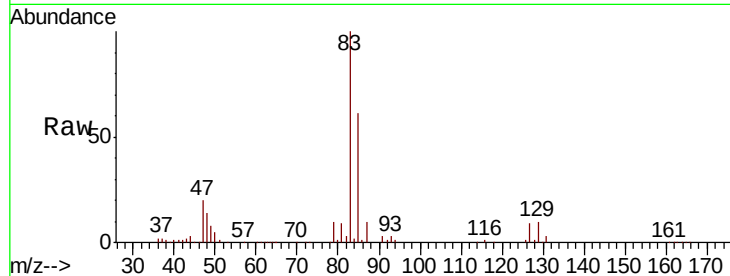
Tot Ion: 83 Resp: 328778

Ion Ratio Lower Upper

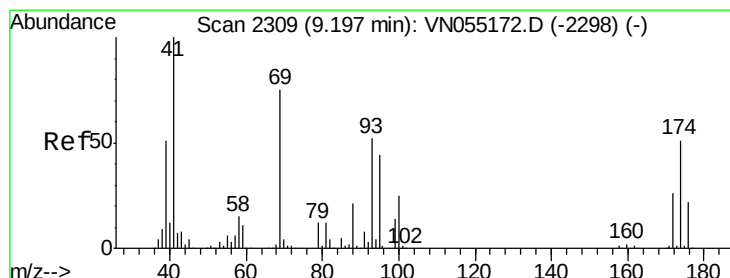
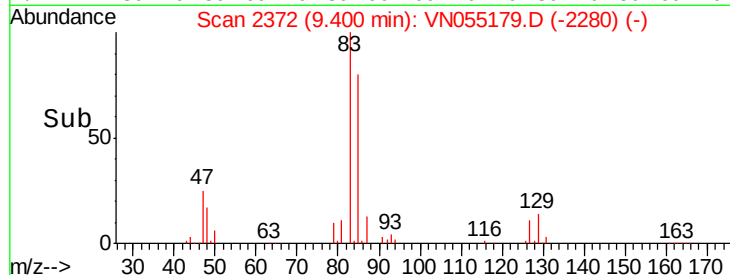
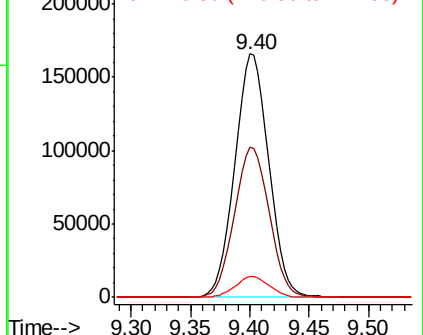
83 100

85 61.5 52.1 78.1

127 8.6 6.9 10.3



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



#48

Methyl methacrylate

Concen: 51.254 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

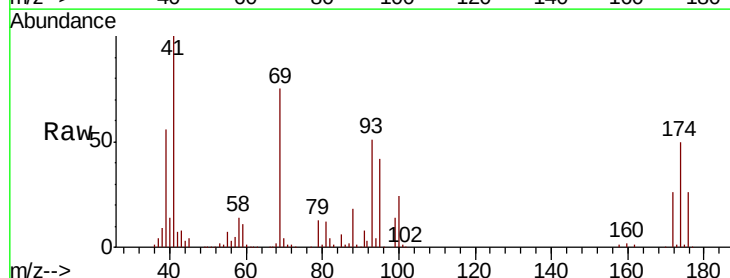
Tgt Ion: 41 Resp: 206666

Ion Ratio Lower Upper

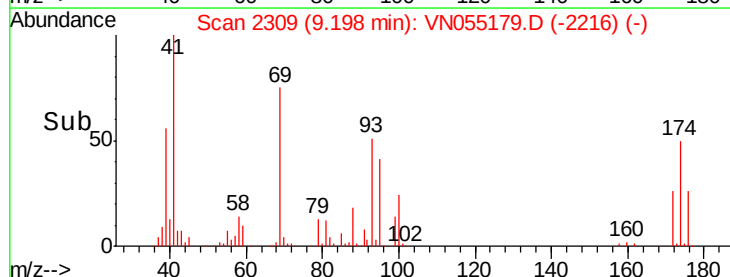
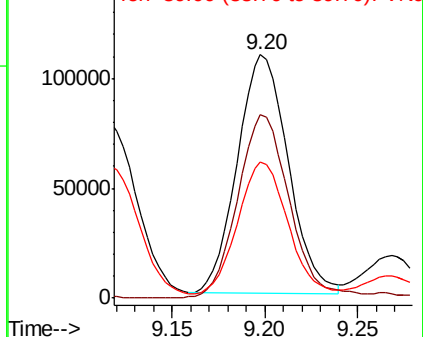
41 100

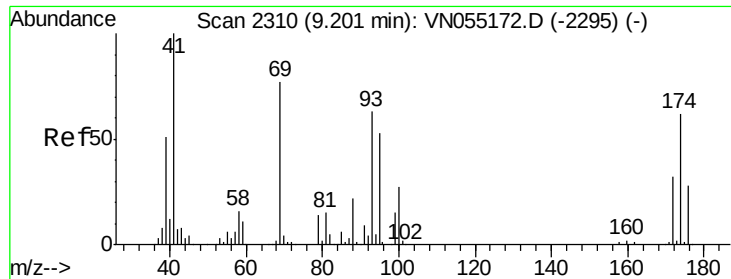
69 78.2 63.6 95.4

39 57.5 43.8 65.8



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





#49

1,4-Dioxane

Concen: 896.983 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

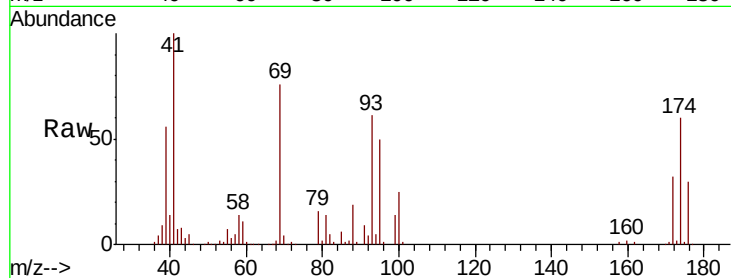
Tot Ion: 88 Resp: 41768

Ion Ratio Lower Upper

88 100

43 42.5 32.0 48.0

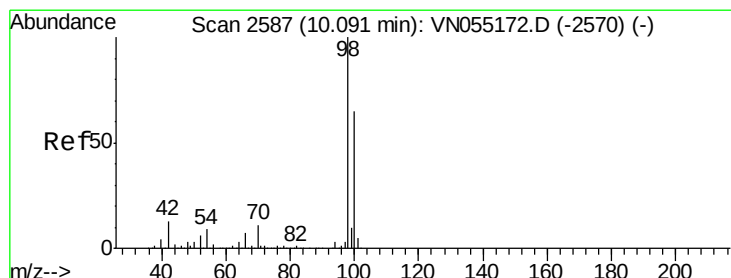
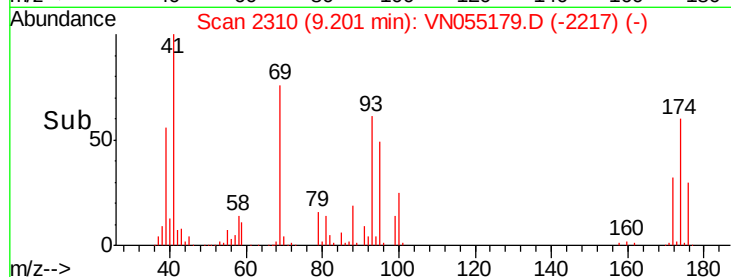
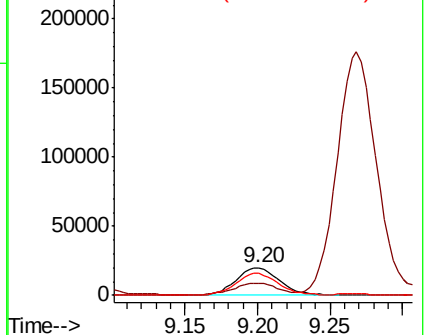
58 78.6 60.4 90.6



Abundance Ion 88.00 (87.70 to 88.70): VN055179.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055179.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055179.D (-2217) (-)



#50

Toluene-d8

Concen: 49.387 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055179.D

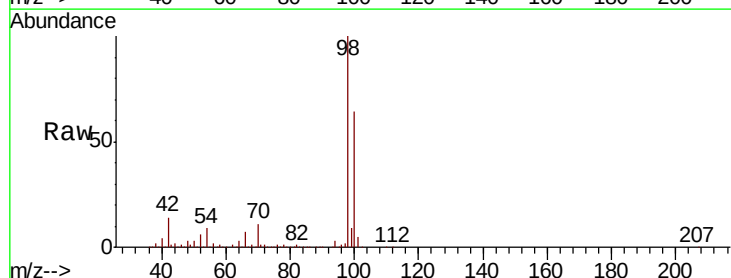
Acq: 22 Apr 2019 13:46

Tgt Ion: 98 Resp: 851911

Ion Ratio Lower Upper

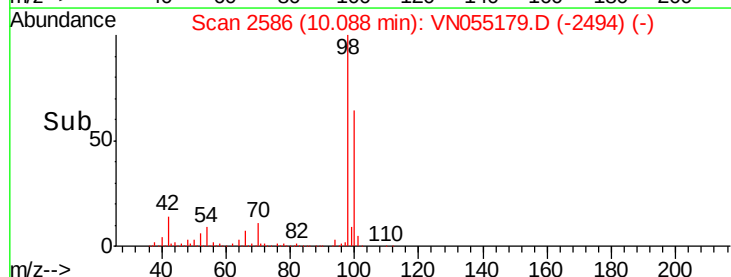
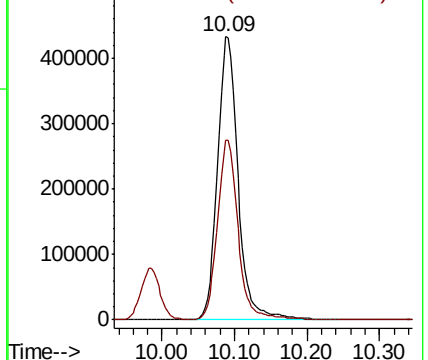
98 100

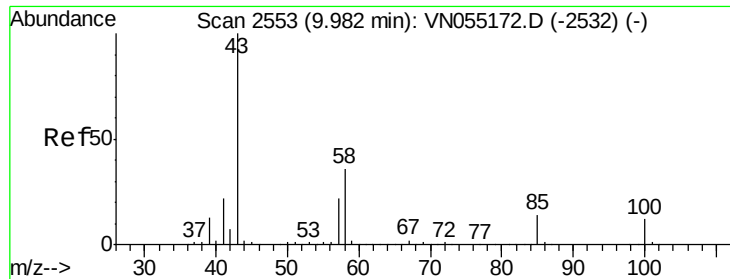
100 64.2 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055179.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055179.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 261.881 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

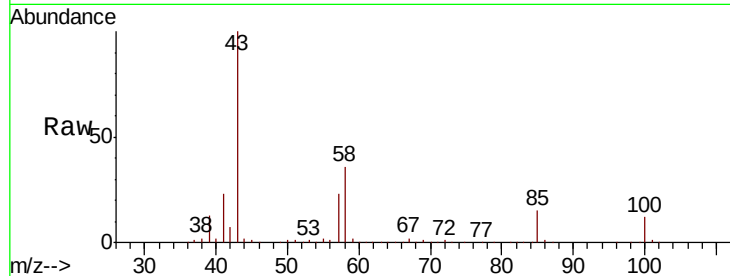
ICVVN042219

Tot Ion: 43 Resp: 1252650

Ion Ratio Lower Upper

43 100

58 35.7 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)

9.98

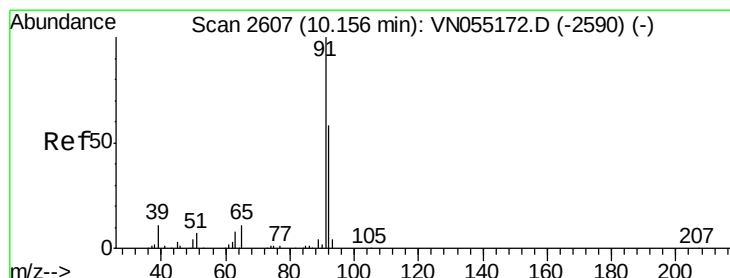
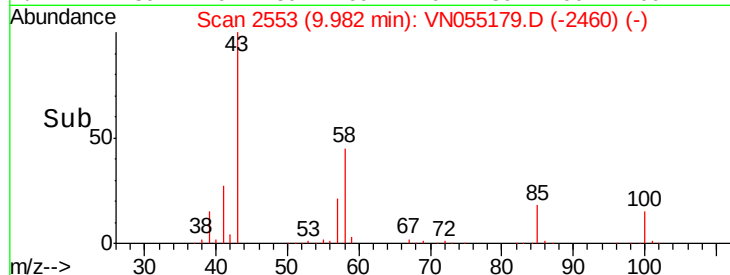
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.545 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055179.D

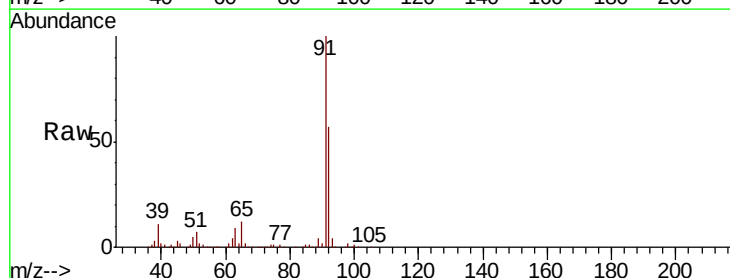
Acq: 22 Apr 2019 13:46

Tgt Ion: 92 Resp: 581810

Ion Ratio Lower Upper

92 100

91 175.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN055172.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055172.D (-2590) (-)

10.16

600000

500000

400000

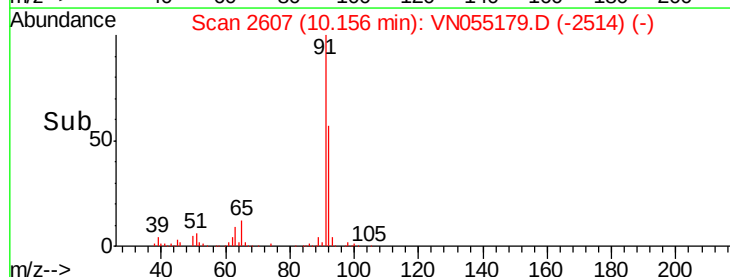
300000

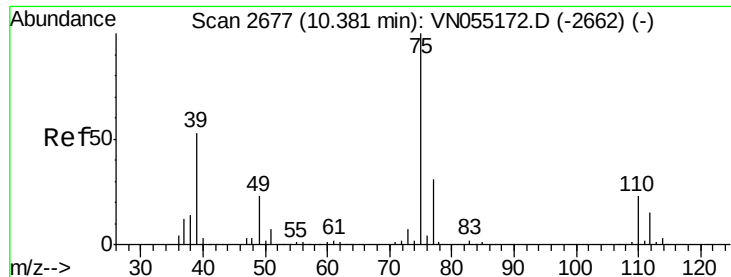
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.212 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

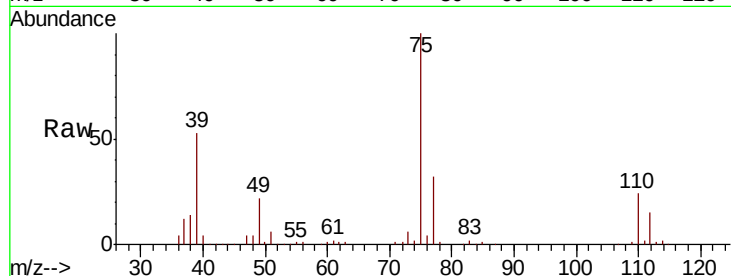
ICVVN042219

Tot Ion: 75 Resp: 316004

Ion Ratio Lower Upper

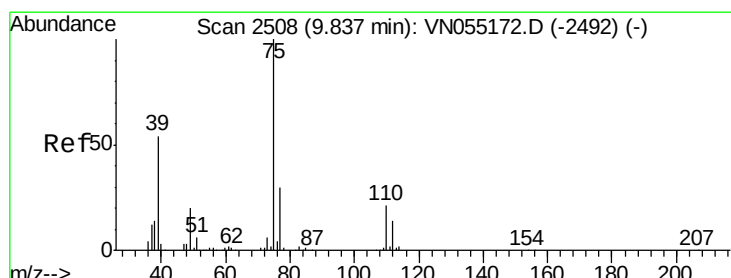
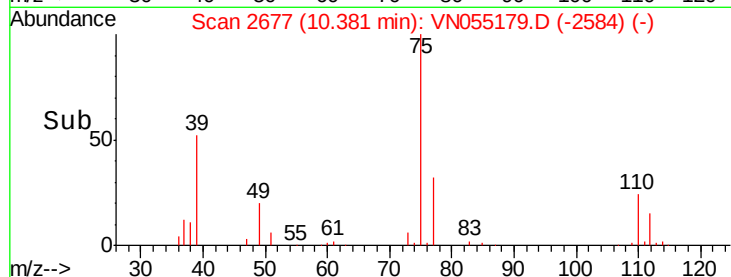
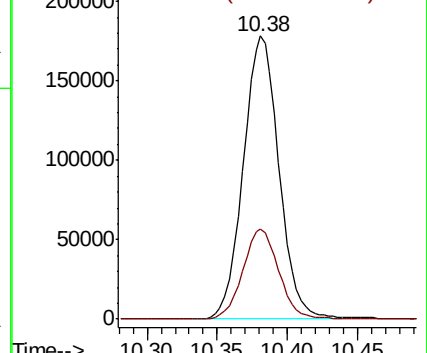
75 100

77 31.8 25.1 37.7



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: 53.400 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

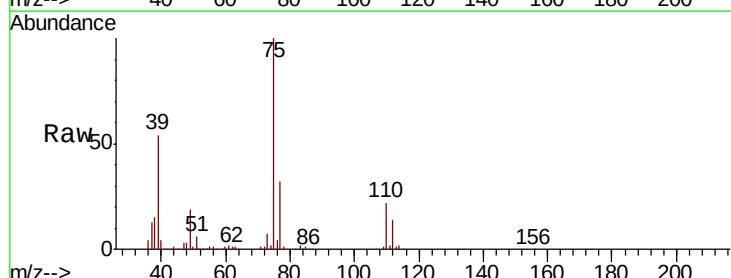
Tgt Ion: 75 Resp: 386275

Ion Ratio Lower Upper

75 100

77 31.5 24.3 36.5

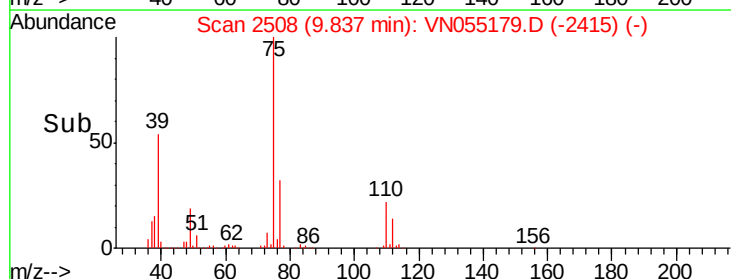
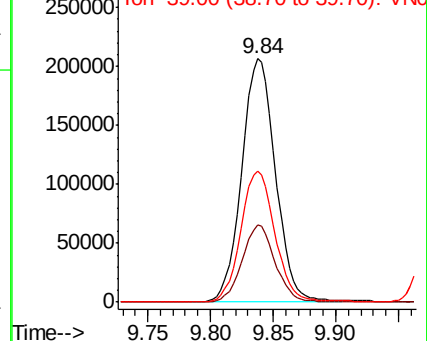
39 53.5 43.0 64.4

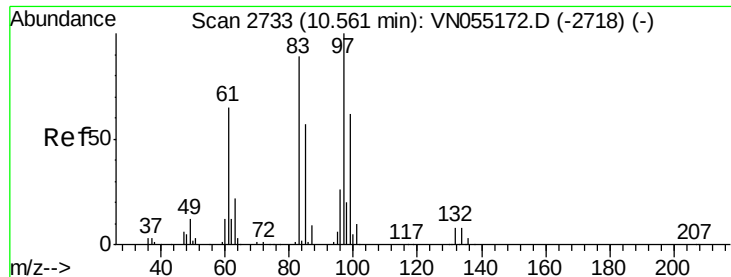


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

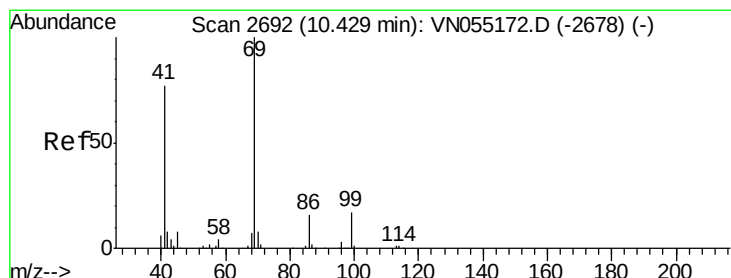
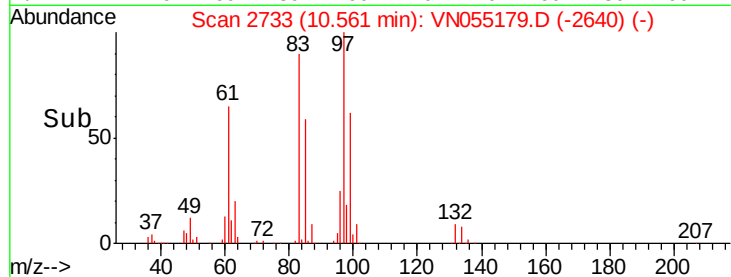
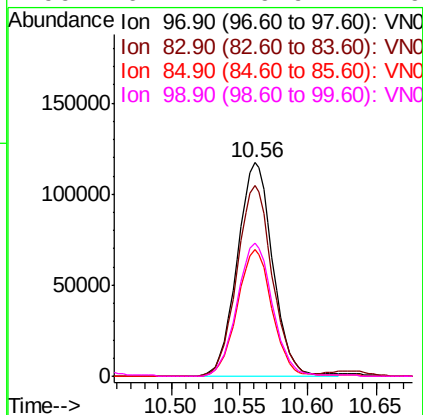
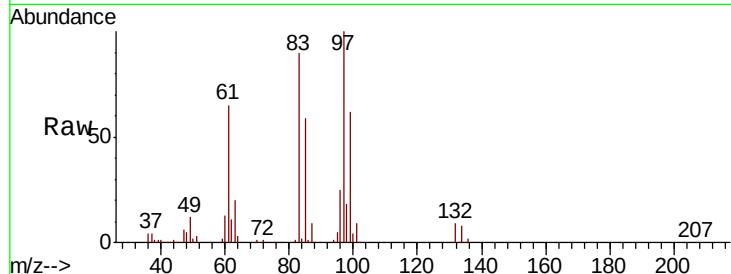




#55
 1,1,2-Trichloroethane
 Concen: 49.949 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

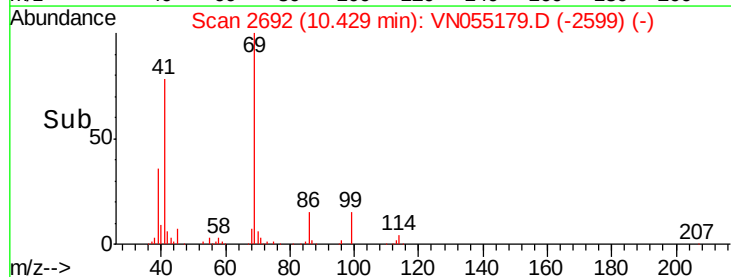
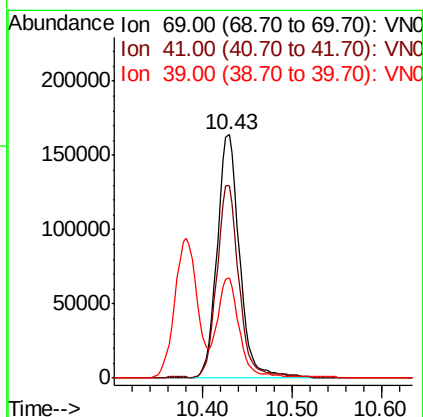
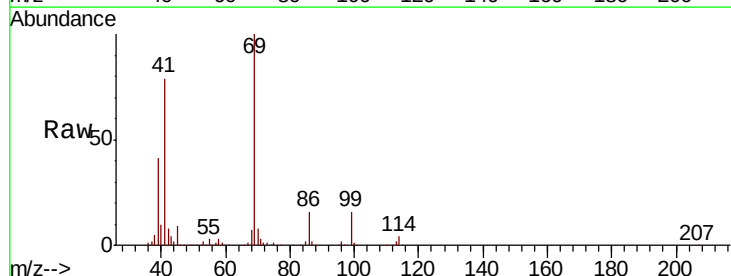
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

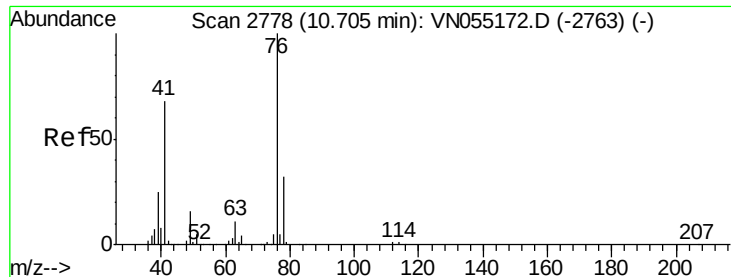
Tot Ion	97	Resp	211970
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.5	107.3
85	59.2	45.8	68.6
99	62.4	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 54.274 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	69	Resp	286924
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.6	90.8
39	39.4	31.7	47.5

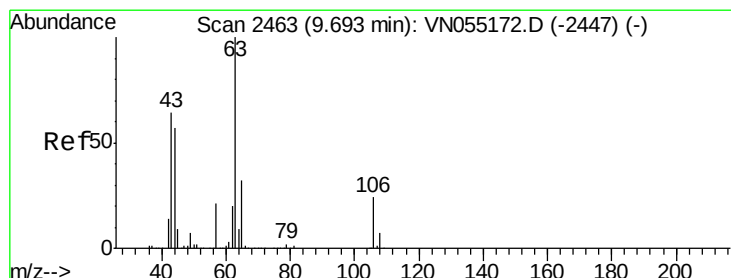
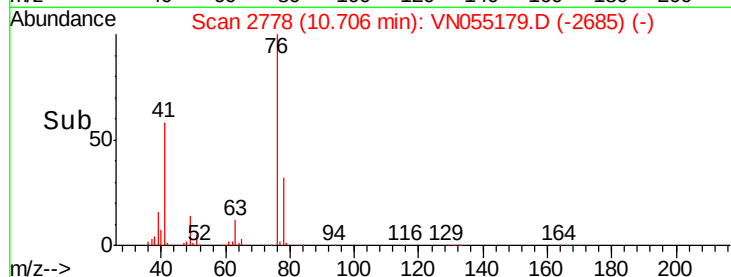
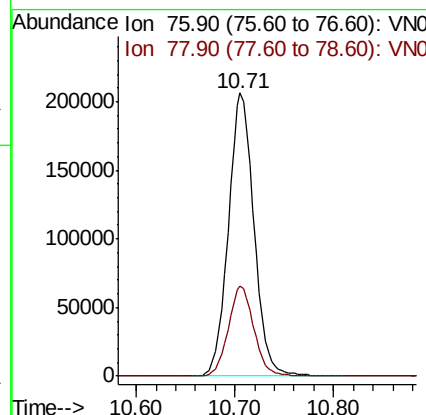
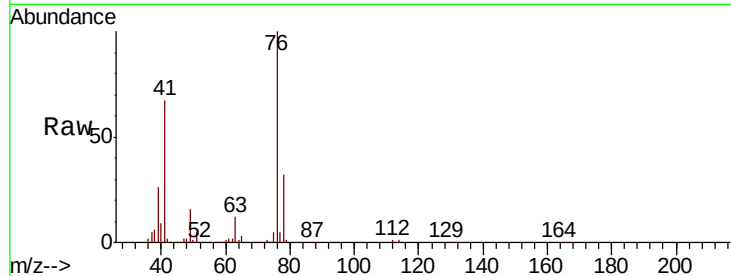




#57
 1,3-Dichloropropane
 Concen: 50.752 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

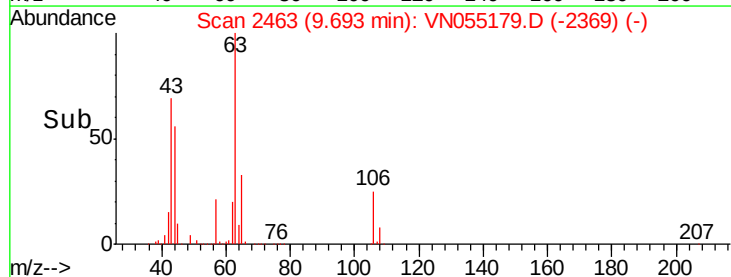
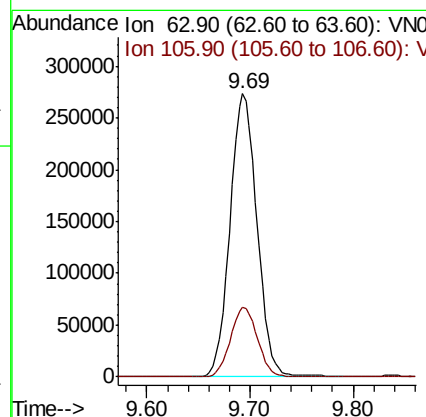
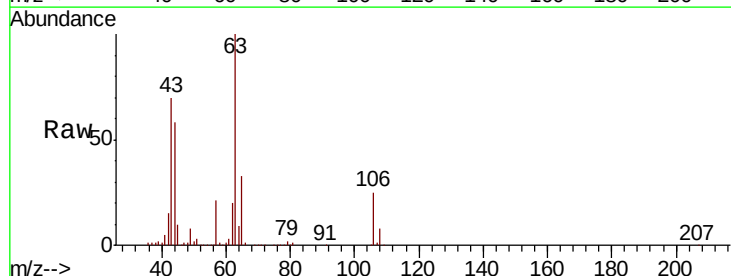
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

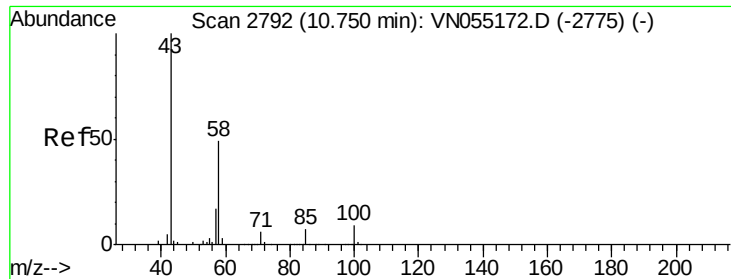
Tot Ion: 76 Resp: 374721
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.945 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion: 63 Resp: 498472
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0

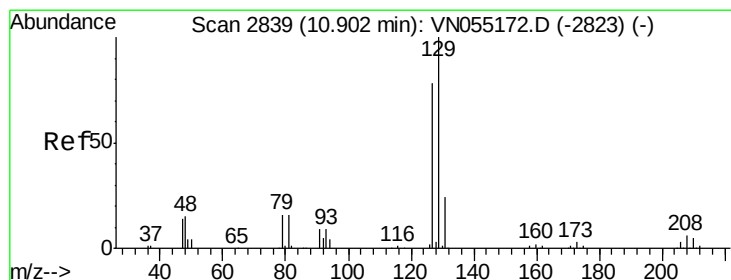
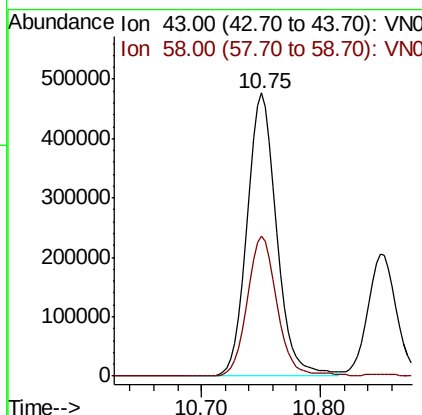
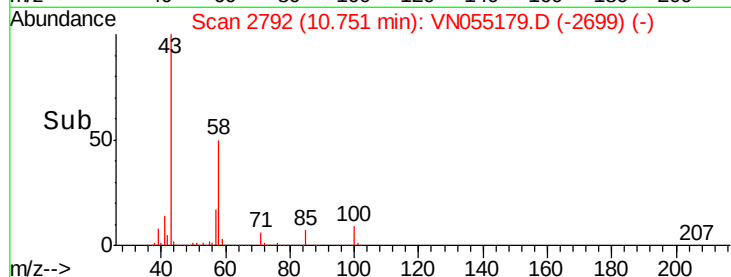
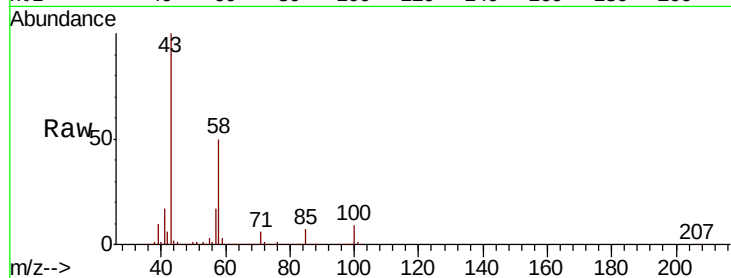




#59
2-Hexanone
Concen: 270.521 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

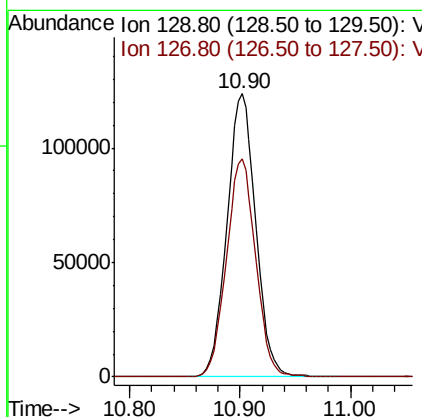
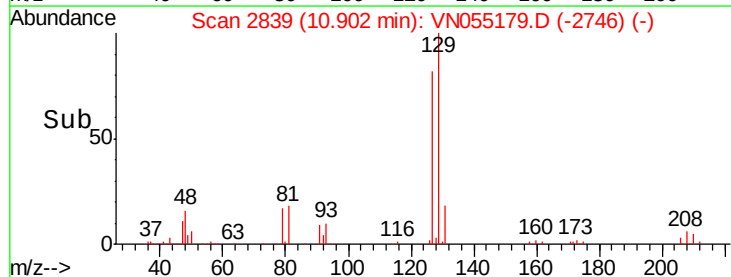
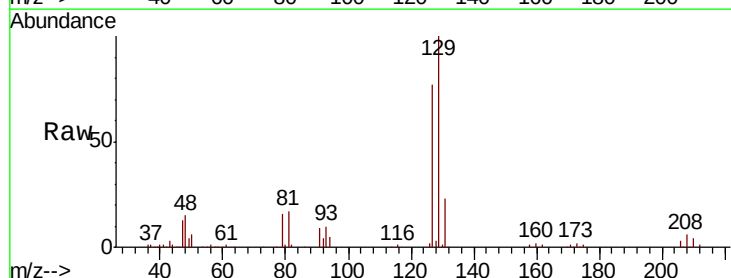
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

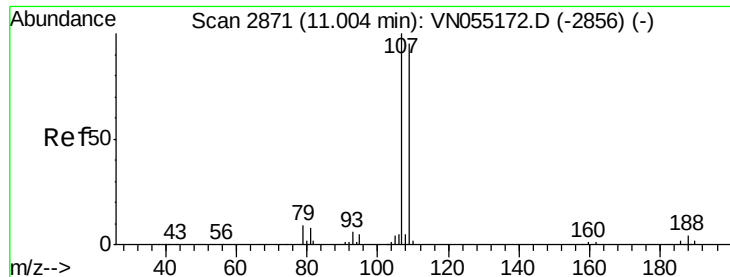
Tot Ion: 43 Resp: 817337
Ion Ratio Lower Upper
43 100
58 50.0 24.5 73.5



#60
Dibromochloromethane
Concen: 51.120 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 129 Resp: 223449
Ion Ratio Lower Upper
129 100
127 78.3 39.0 117.0





#61

1,2-Dibromoethane

Concen: 52.499 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

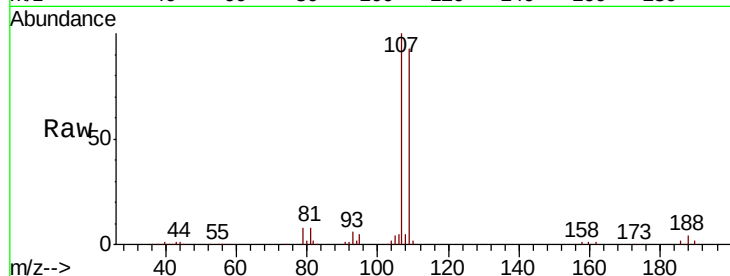
ICVVN042219

Tot Ion: 107 Resp: 209468

Ion Ratio Lower Upper

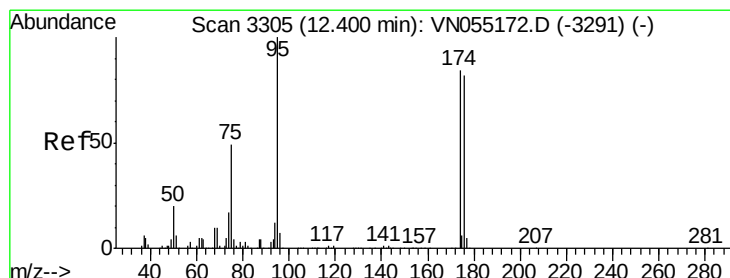
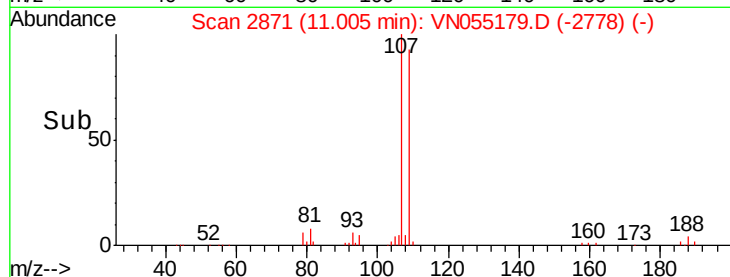
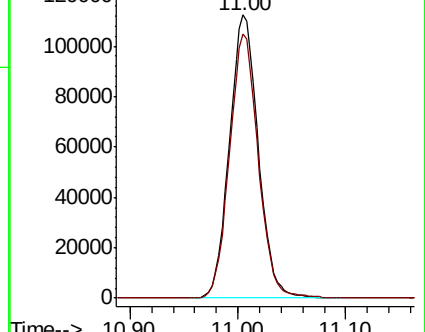
107 100

109 93.0 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

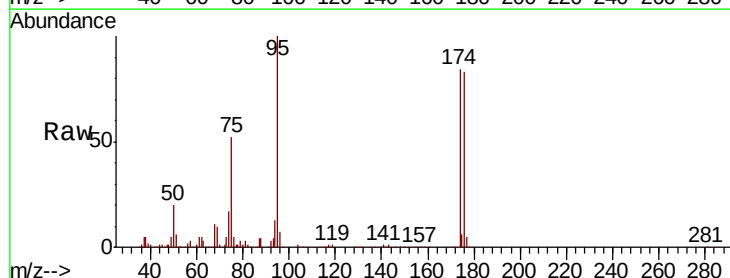
Tgt Ion: 95 Resp: 284770

Ion Ratio Lower Upper

95 100

174 84.3 0.0 168.4

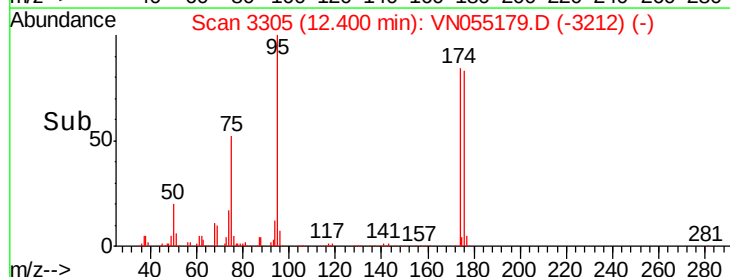
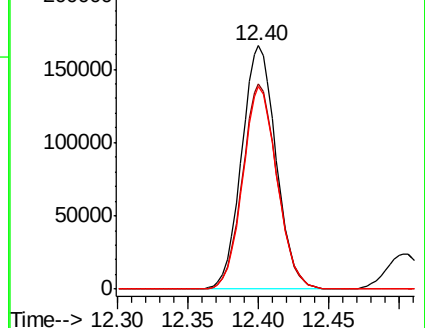
176 82.8 0.0 164.0

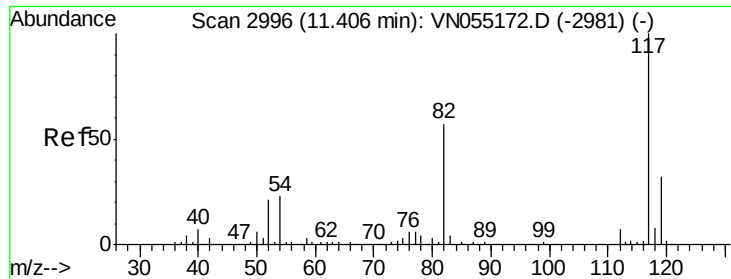


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

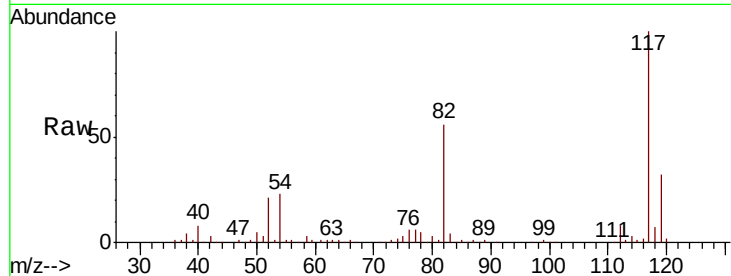




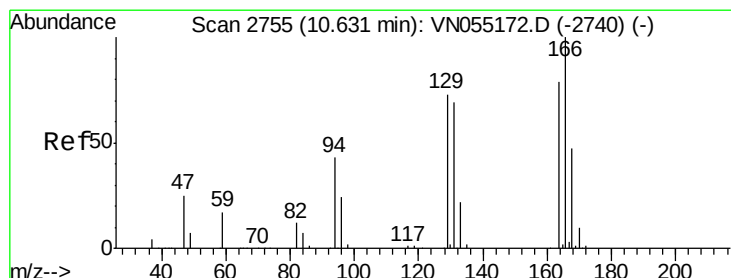
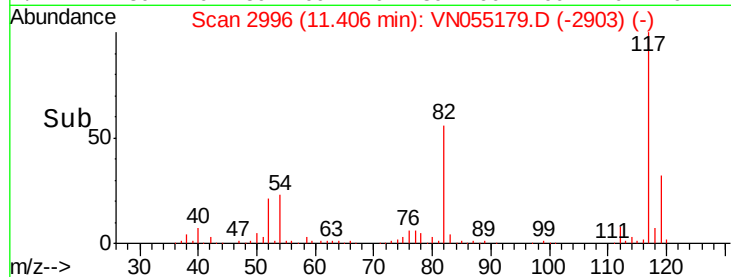
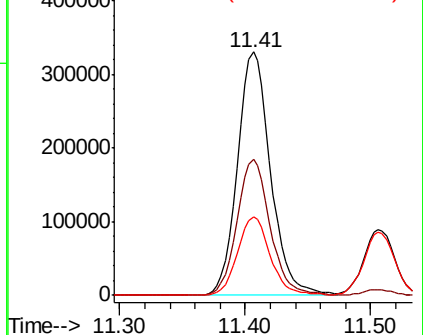
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

Tot Ion:117 Resp: 606044
Ion Ratio Lower Upper
117 100
82 55.7 45.7 68.5
119 32.4 25.4 38.2

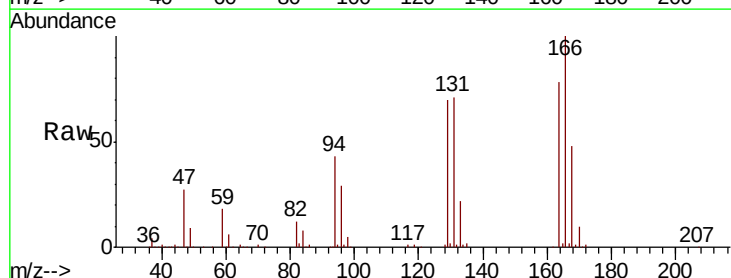


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

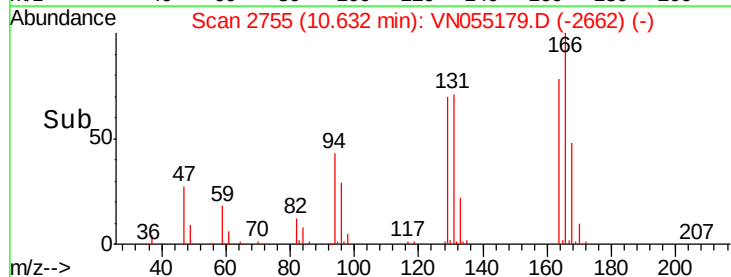
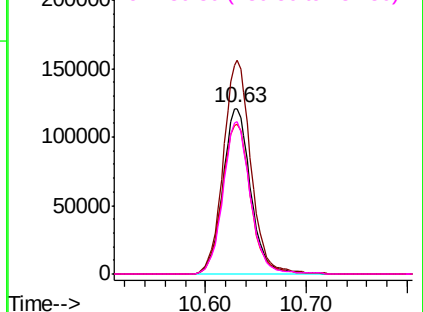


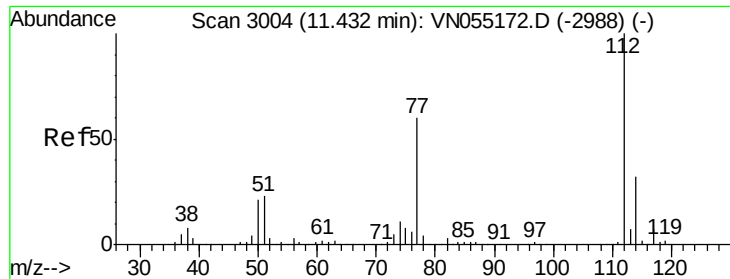
#64
Tetrachloroethene
Concen: 47.138 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion:164 Resp: 233048
Ion Ratio Lower Upper
164 100
166 128.9 101.9 152.9
129 90.7 74.1 111.1
131 91.9 70.6 106.0



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

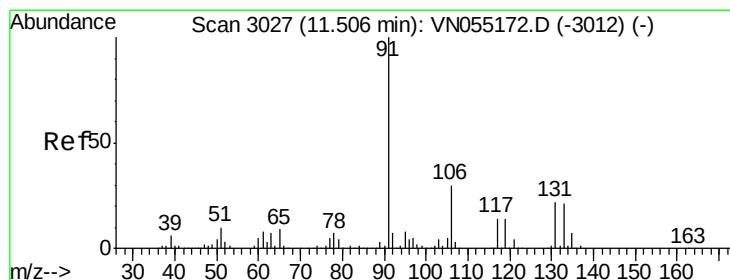
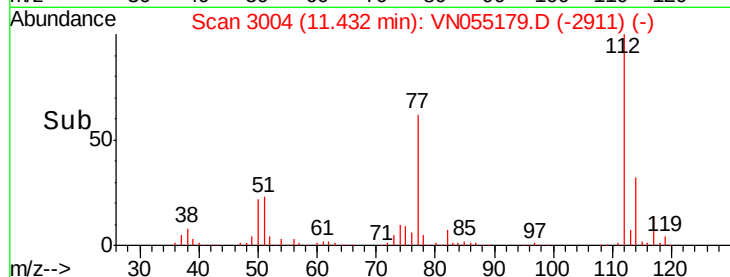
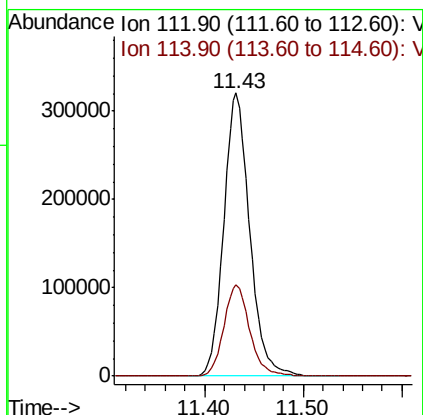
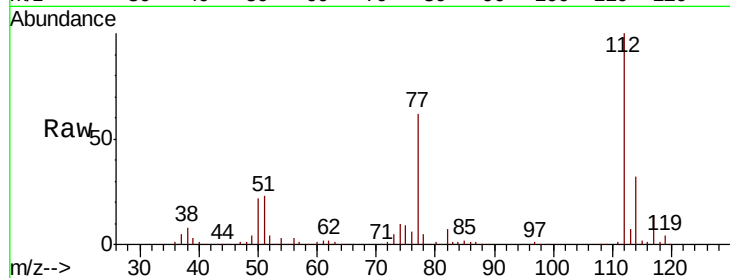




#65
Chlorobenzene
Concen: 47.691 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

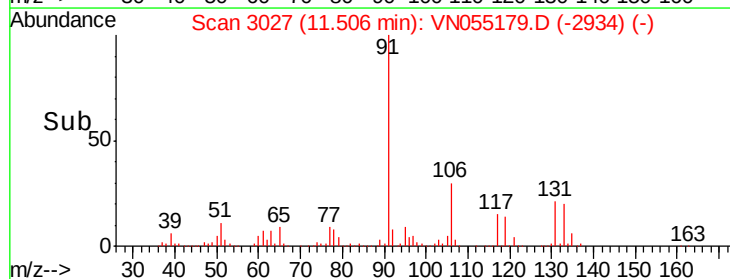
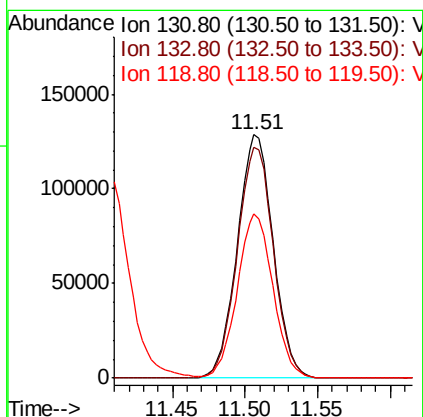
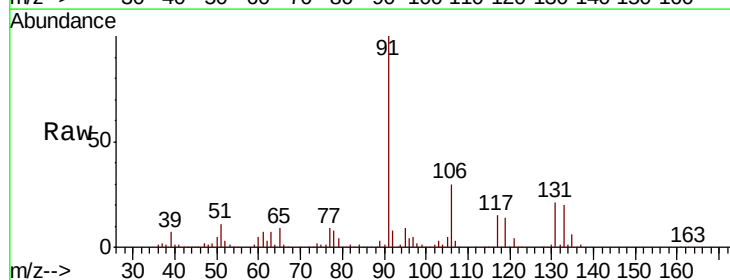
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

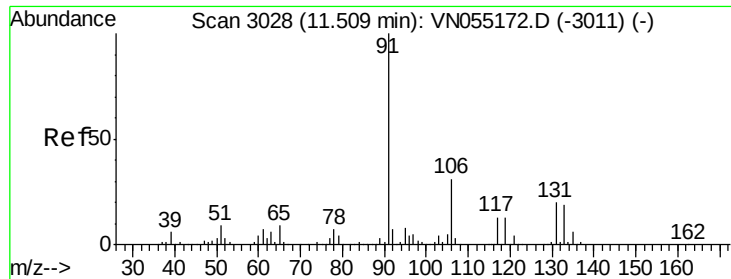
Tot Ion:112 Resp: 589947
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.334 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion:131 Resp: 221596
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.0 33.2 99.6

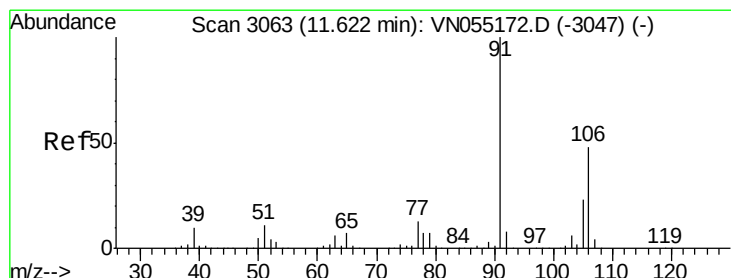
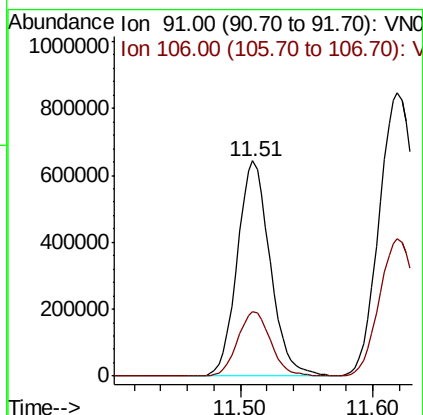
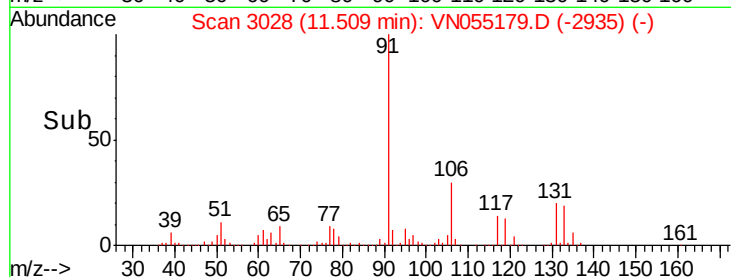
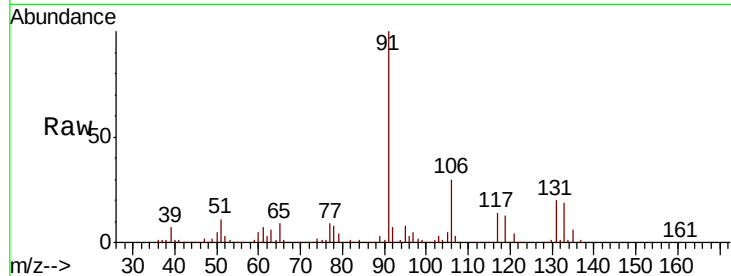




#67
Ethyl Benzene
Concen: 50.276 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

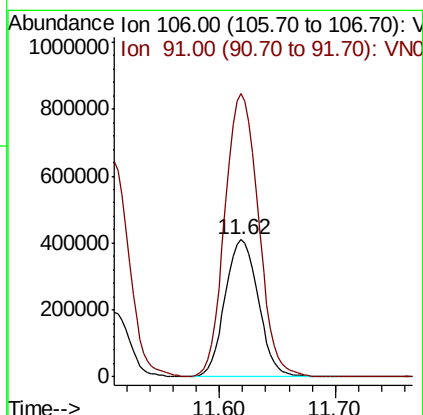
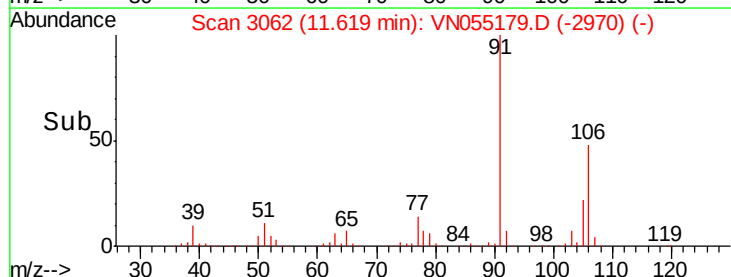
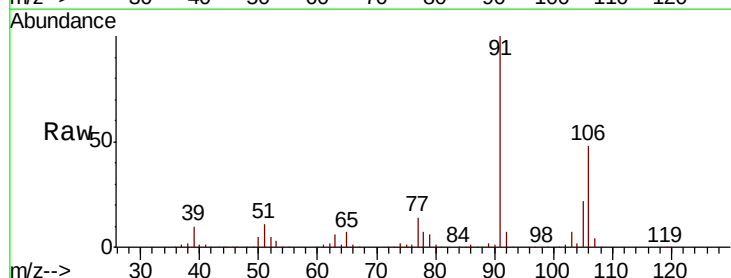
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042219

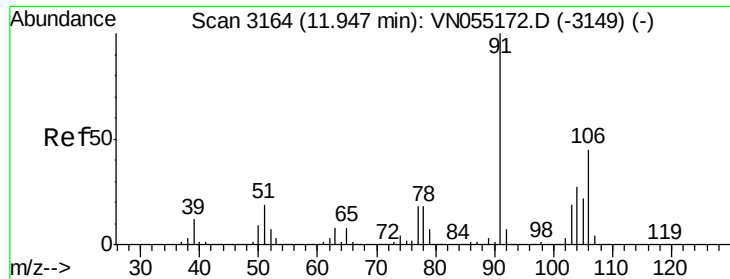
Tot Ion: 91 Resp: 1107818
Ion Ratio Lower Upper
91 100
106 29.8 24.5 36.7



#68
m/p-Xylenes
Concen: 103.475 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion: 106 Resp: 817770
Ion Ratio Lower Upper
106 100
91 207.8 167.1 250.7

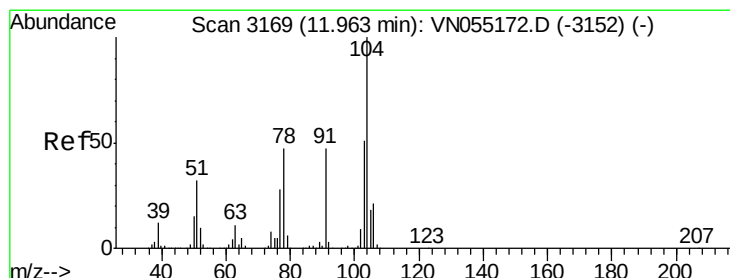
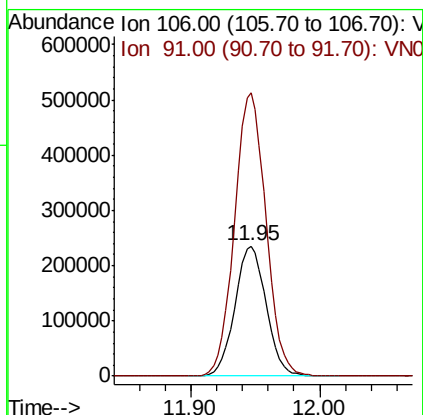
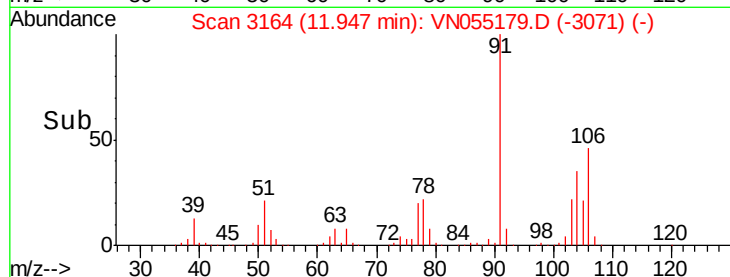
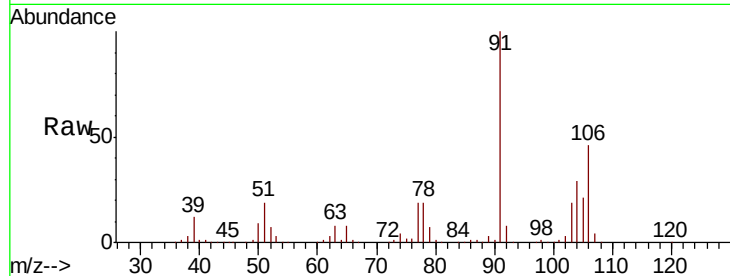




#69
o-Xylene
Concen: 50.429 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

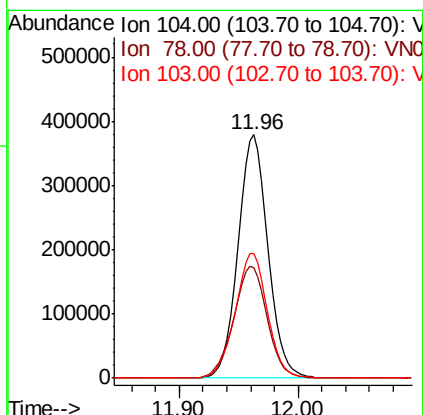
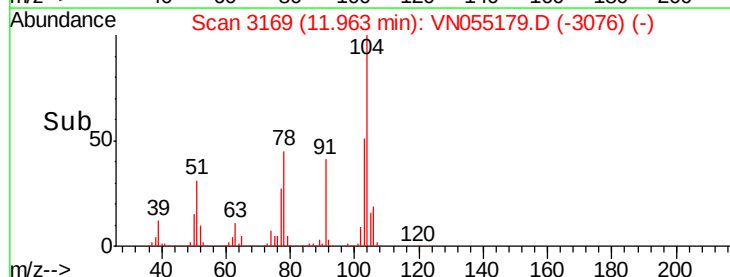
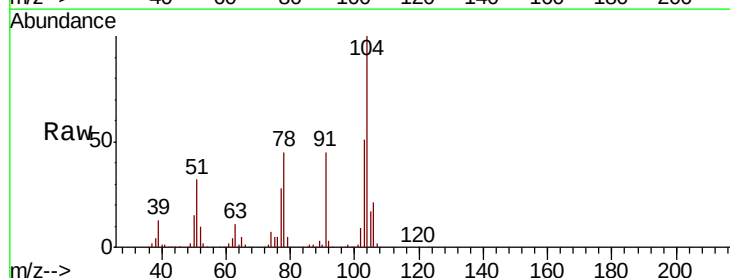
Instrument :
MSVOA_N
ClientSampled :
ICVVN042219

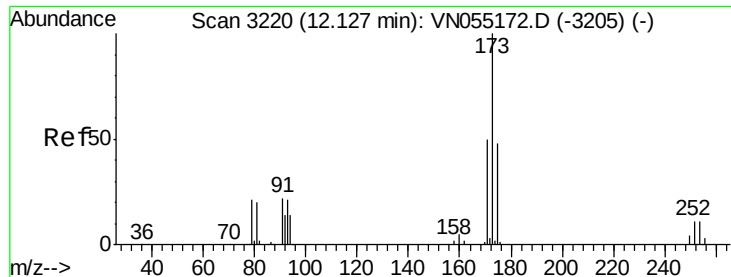
Tot Ion:106 Resp: 395513
Ion Ratio Lower Upper
106 100
91 219.6 110.6 331.8



#70
Styrene
Concen: 54.236 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055179.D
Acq: 22 Apr 2019 13:46

Tgt Ion:104 Resp: 659357
Ion Ratio Lower Upper
104 100
78 51.4 41.3 61.9
103 55.1 44.2 66.4





#71

Bromoform

Concen: 52.240 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

ICVVN042219

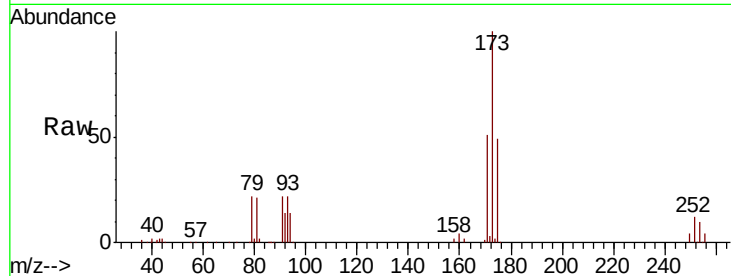
Tot Ion:173 Resp: 142924

Ion Ratio Lower Upper

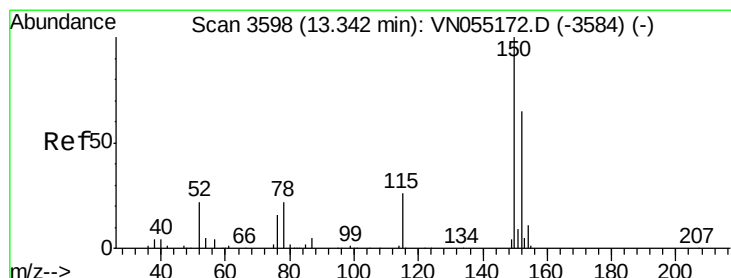
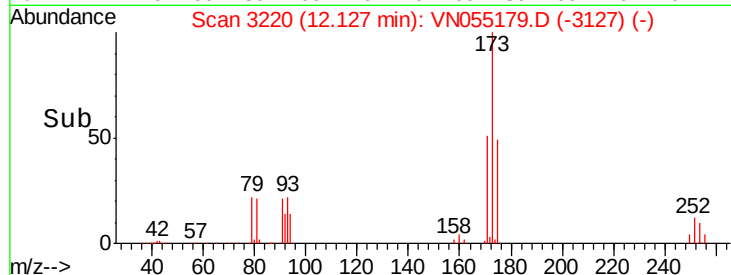
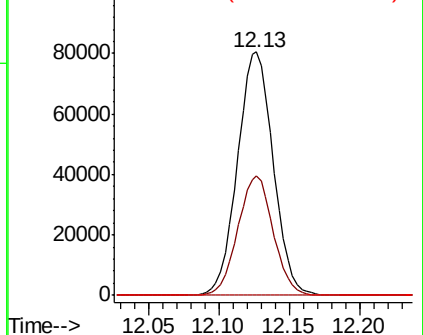
173 100

175 48.6 23.8 71.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

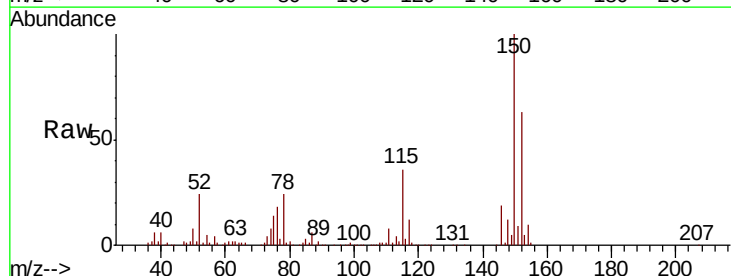
Tgt Ion:152 Resp: 262617

Ion Ratio Lower Upper

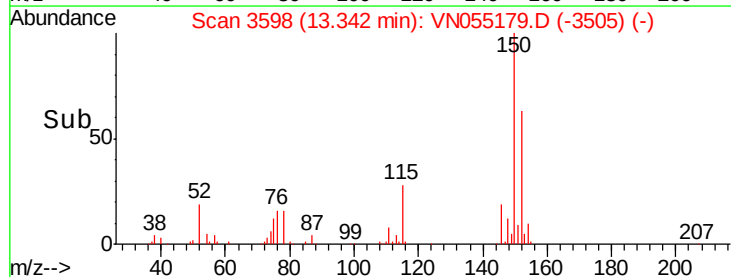
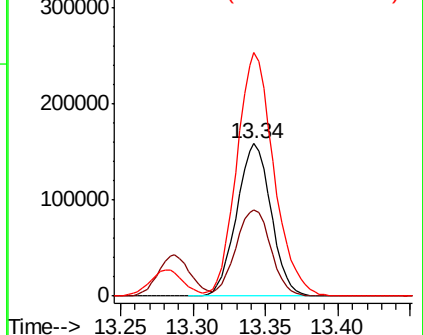
152 100

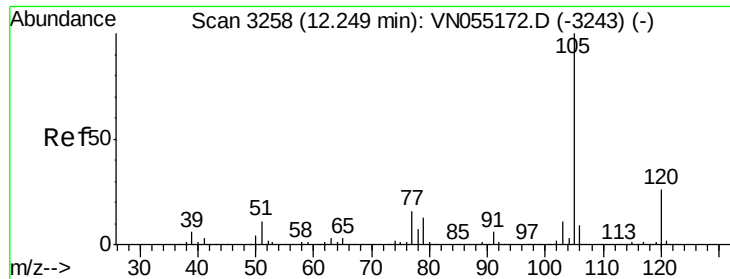
115 57.5 28.9 86.7

150 171.1 0.0 346.6



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





#73

Isopropylbenzene

Concen: 49.801 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

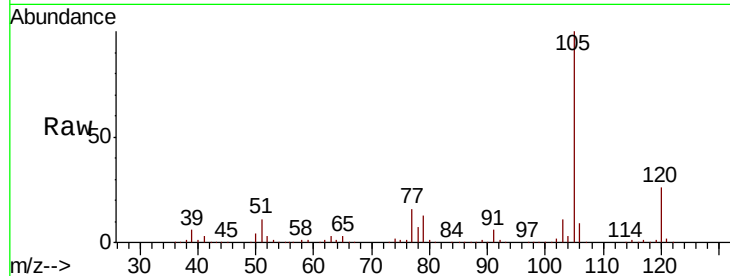
ICVVN042219

Tot Ion:105 Resp: 1051083

Ion Ratio Lower Upper

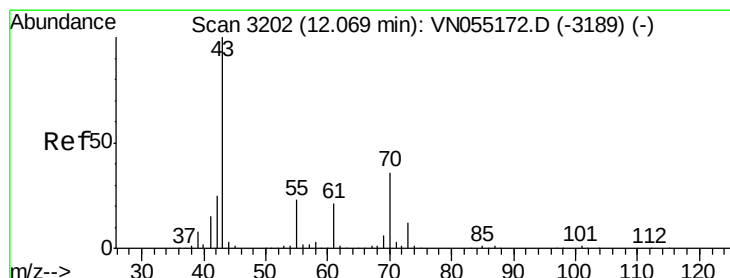
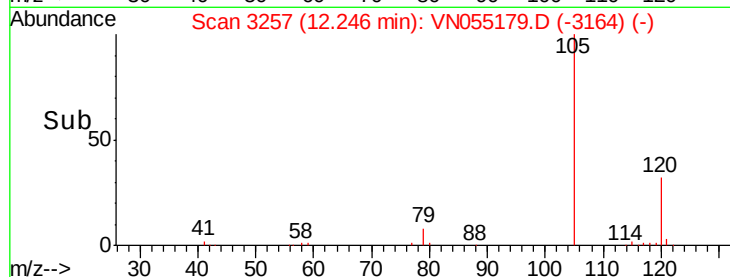
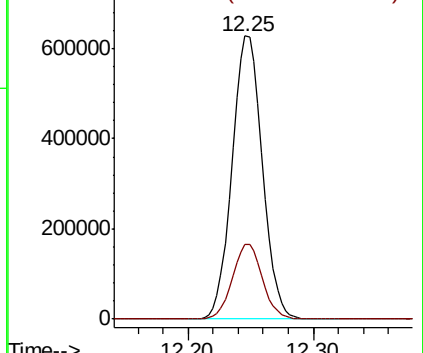
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.764 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion: 43 Resp: 343711

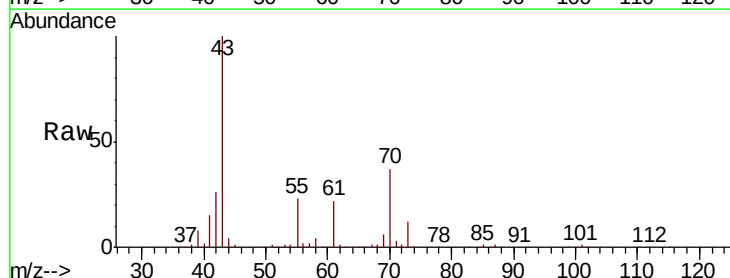
Ion Ratio Lower Upper

43 100

70 36.5 29.0 43.6

55 23.2 18.5 27.7

61 21.7 17.0 25.4

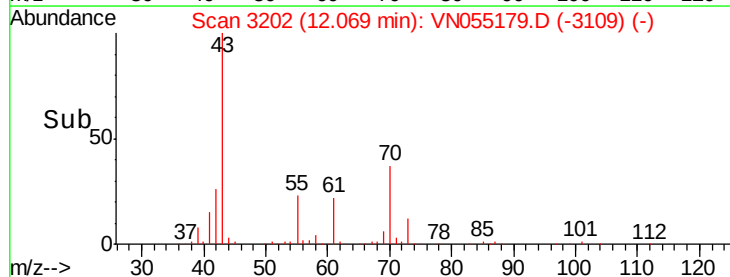
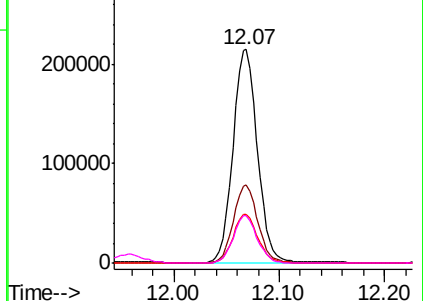


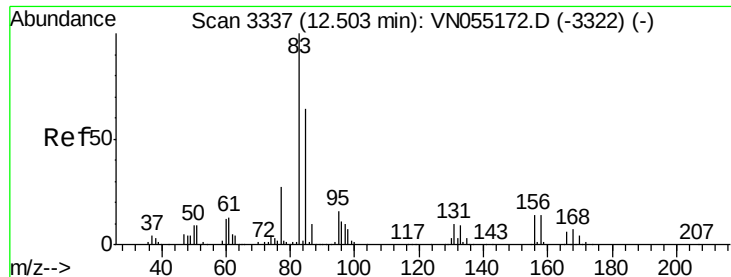
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.417 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

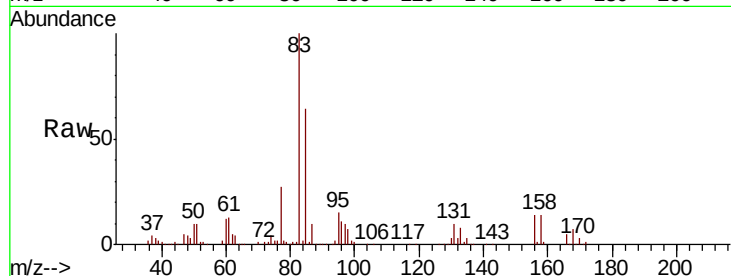
Tot Ion: 83 Resp: 269130

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

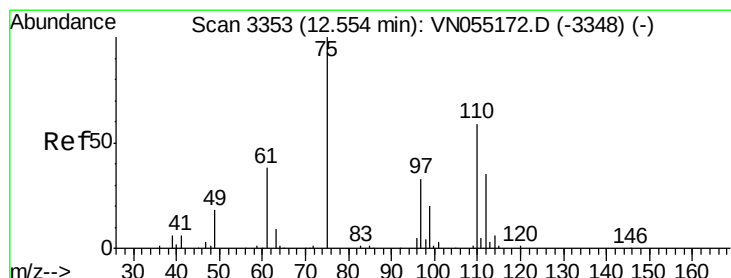
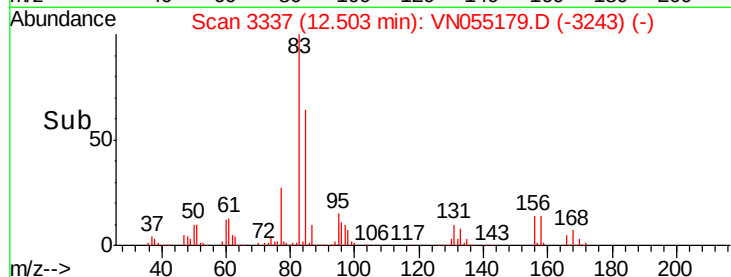
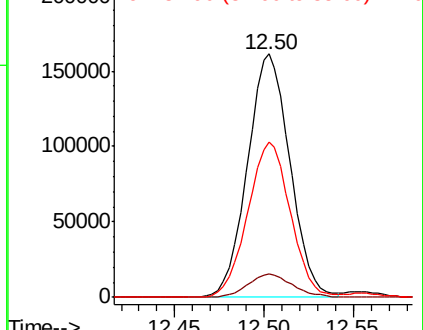
85 63.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 59.272 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055179.D

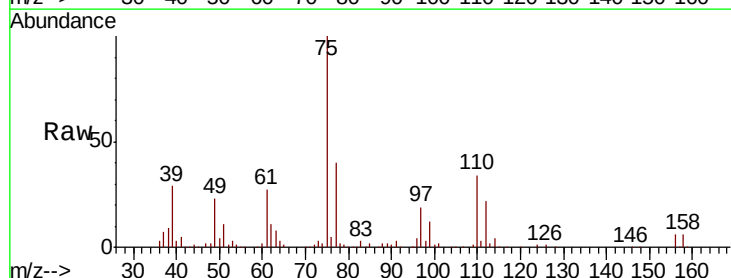
Acq: 22 Apr 2019 13:46

Tgt Ion: 75 Resp: 315787

Ion Ratio Lower Upper

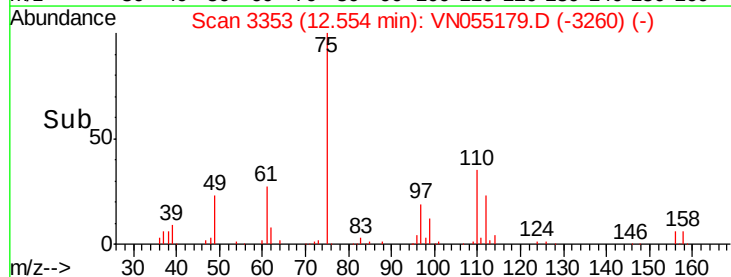
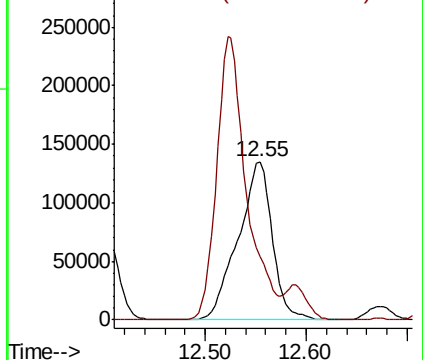
75 100

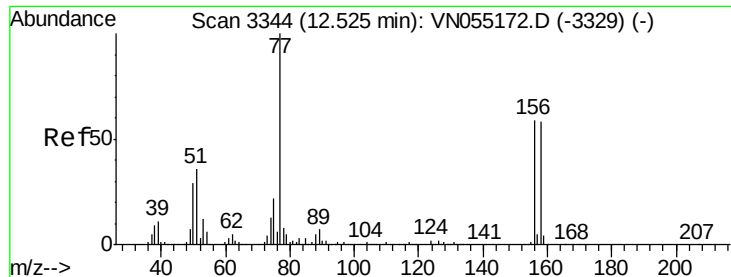
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 43.484 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

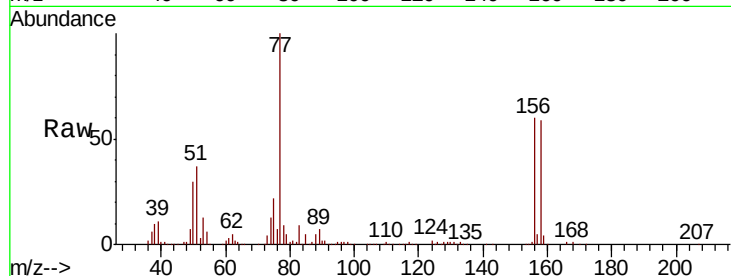
Tot Ion:156 Resp: 252106

Ion Ratio Lower Upper

156 100

77 196.7 98.0 293.9

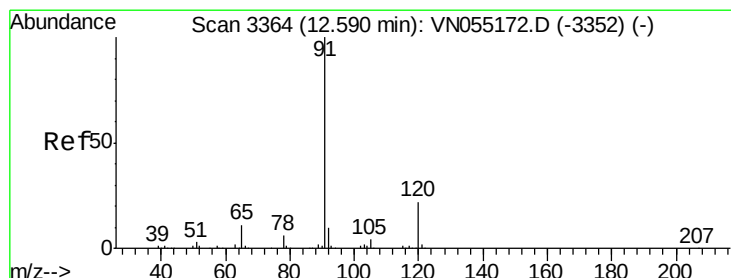
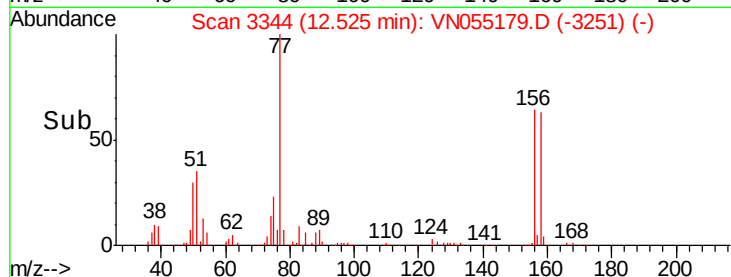
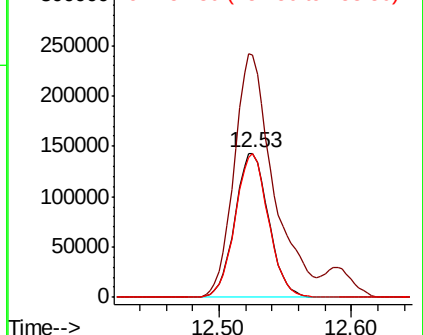
158 98.4 48.9 146.8



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: 45.351 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055179.D

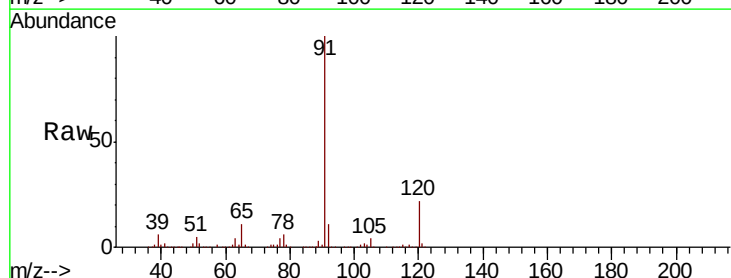
Acq: 22 Apr 2019 13:46

Tgt Ion: 91 Resp: 1194406

Ion Ratio Lower Upper

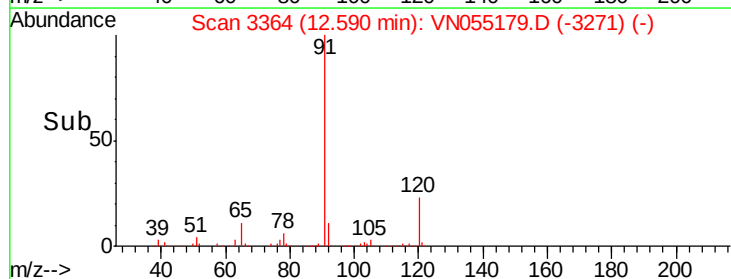
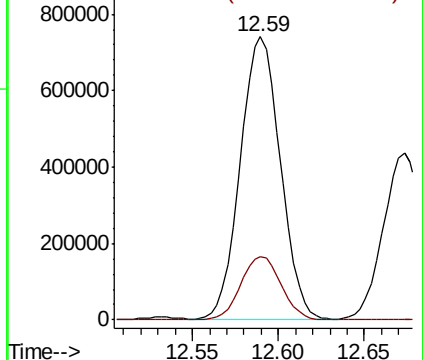
91 100

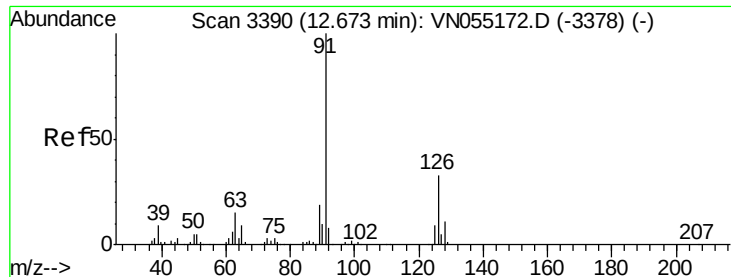
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.366 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

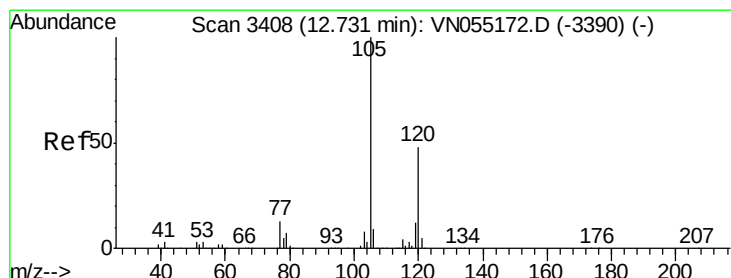
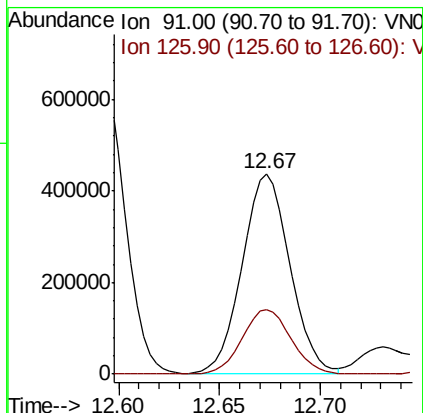
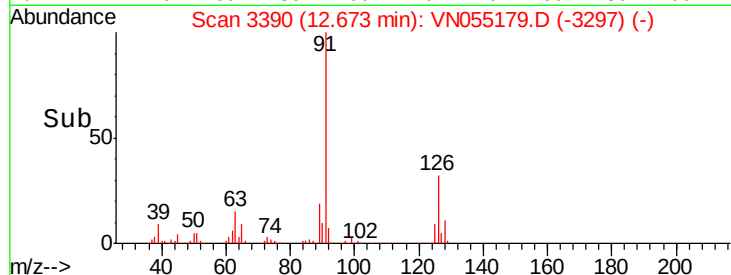
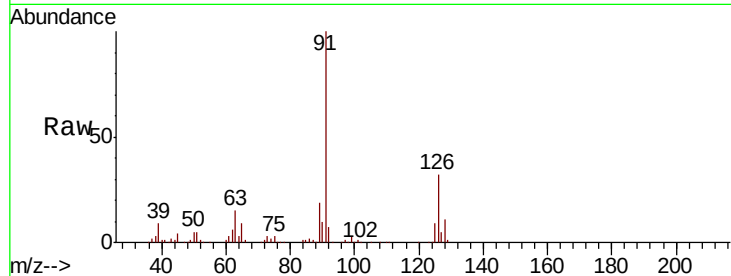
ICVVN042219

Tot Ion: 91 Resp: 721207

Ion Ratio Lower Upper

91 100

126 33.3 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 45.454 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055179.D

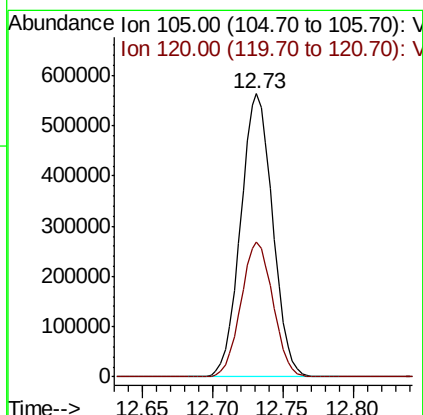
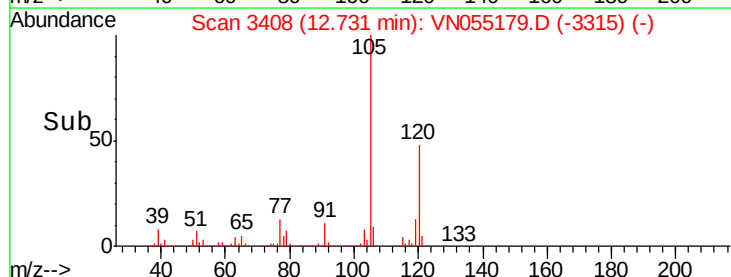
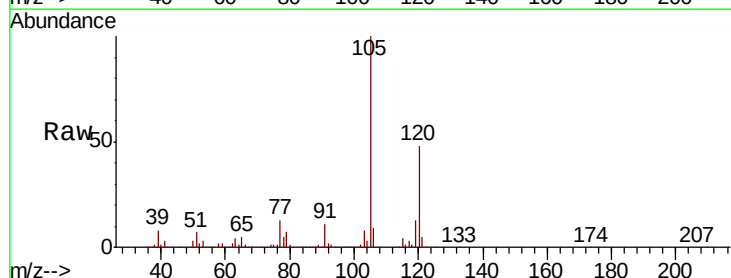
Acq: 22 Apr 2019 13:46

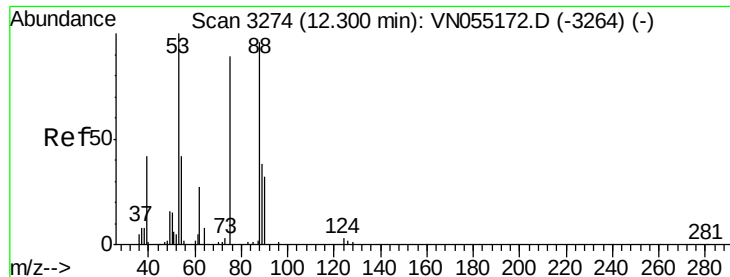
Tgt Ion:105 Resp: 893596

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 46.083 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

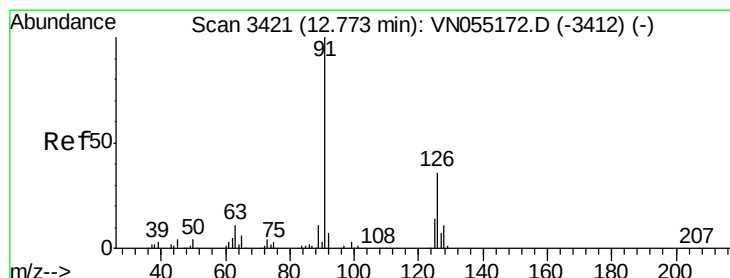
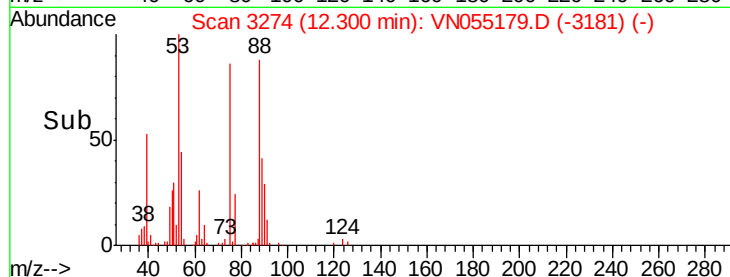
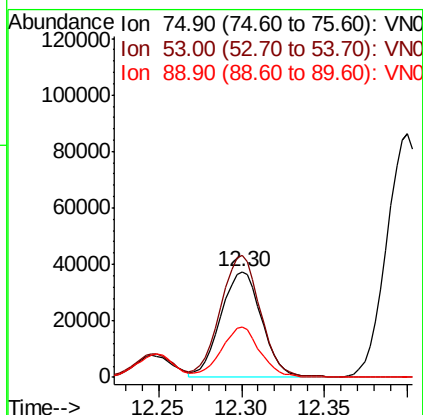
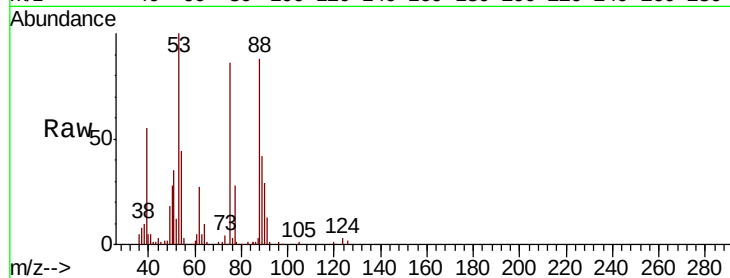
MSVOA_N

ClientSampled :

ICVVN042219

Tot Ion: 75 Resp: 64767

Ion	Ratio	Lower	Upper
75	100		
53	113.1	90.1	135.1
89	44.5	36.7	55.1



#82

4-Chlorotoluene

Concen: 45.655 ug/l

RT: 12.77 min Scan# 3421

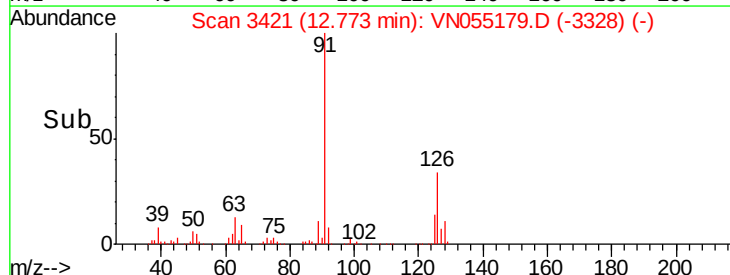
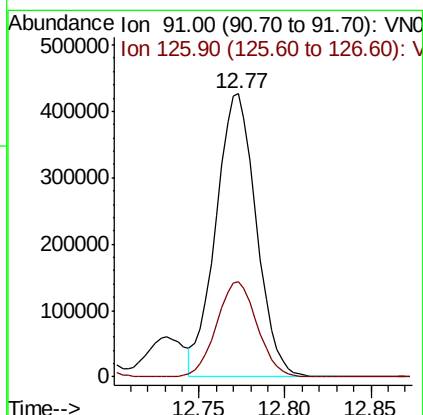
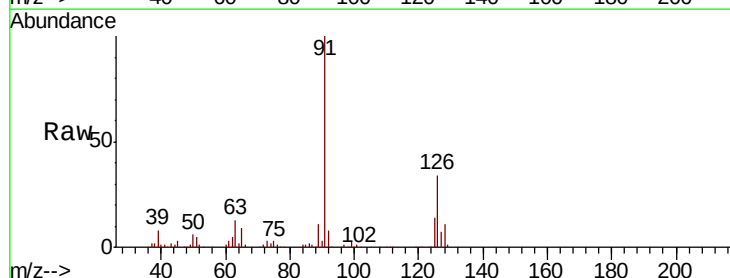
Delta R.T. 0.00 min

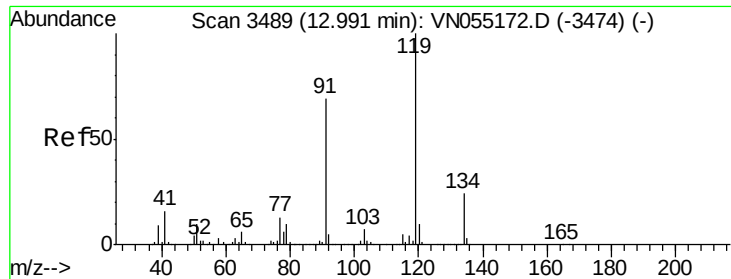
Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Tgt Ion: 91 Resp: 698576

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.5	49.5

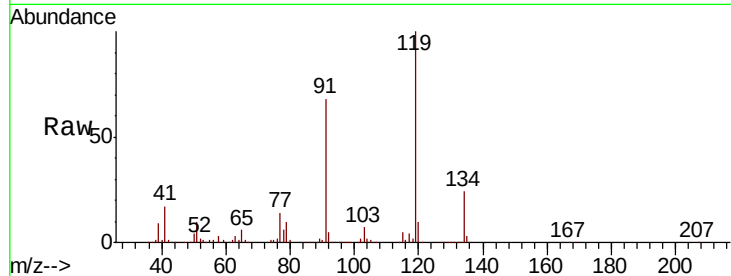




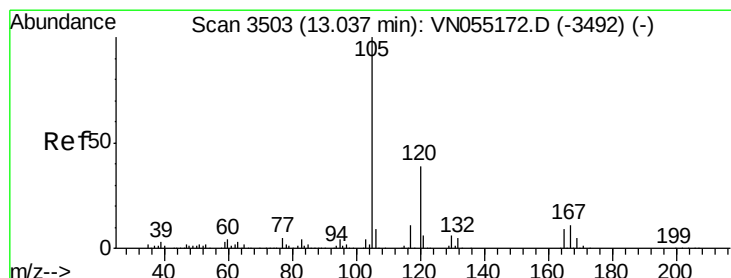
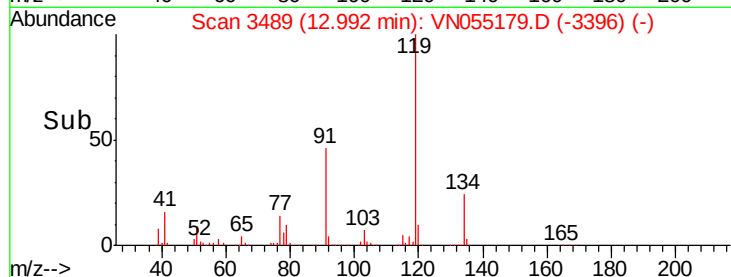
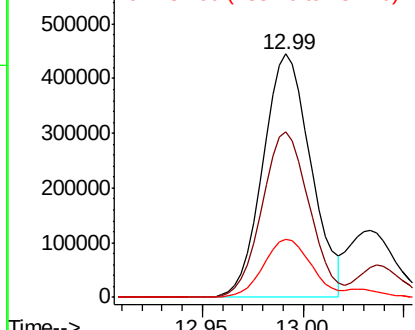
#83
 tert-Butylbenzene
 Concen: 49.828 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Tot Ion:119 Resp: 736184
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.8 101.3
 134 24.0 13.2 39.5

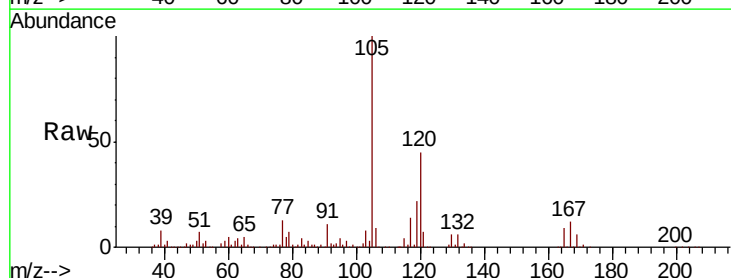


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

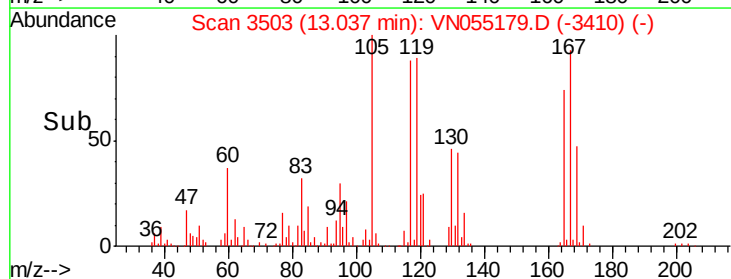
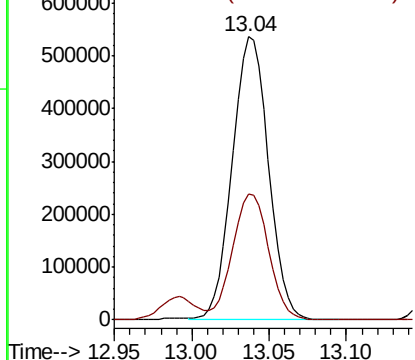


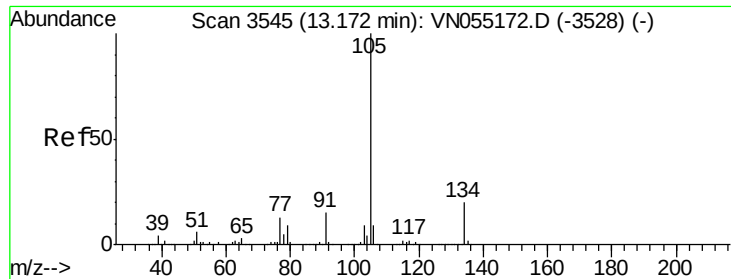
#84
 1,2,4-Trimethylbenzene
 Concen: 46.761 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion:105 Resp: 867521
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 43.613 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

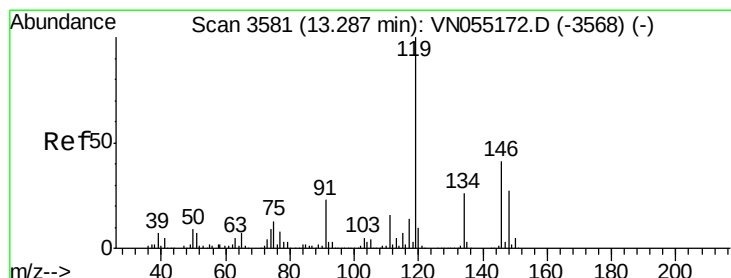
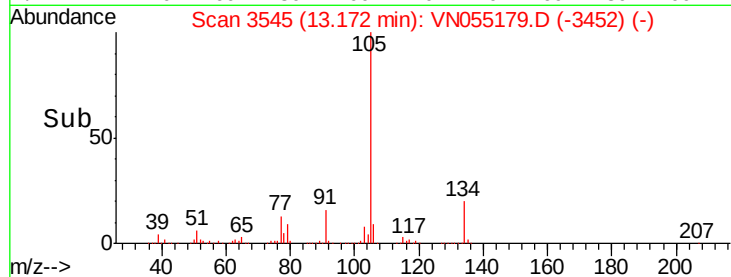
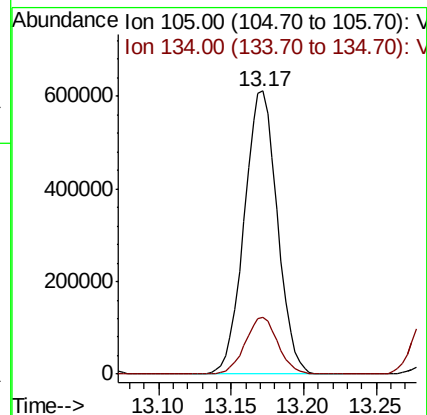
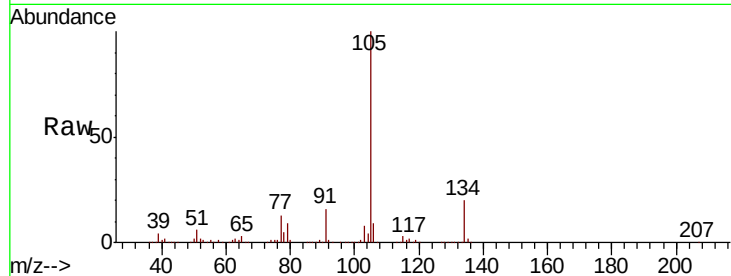
ICVVN042219

Tot Ion:105 Resp: 970007

Ion Ratio Lower Upper

105 100

134 19.8 10.0 30.0



#86

p-Isopropyltoluene

Concen: 46.981 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

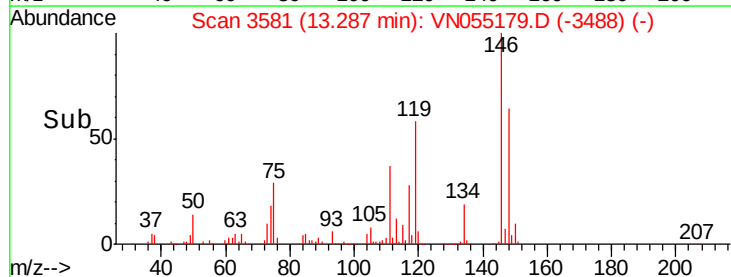
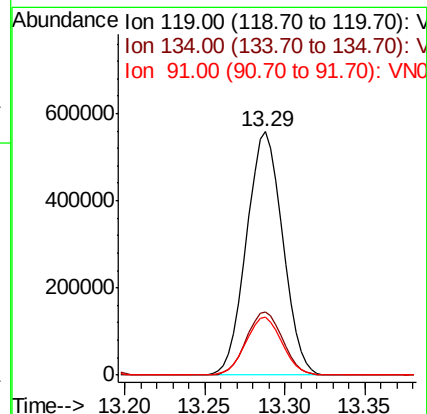
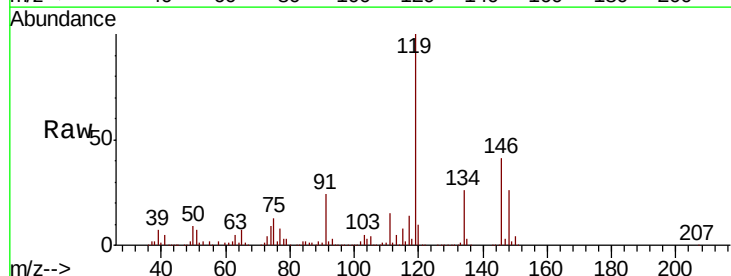
Tgt Ion:119 Resp: 860856

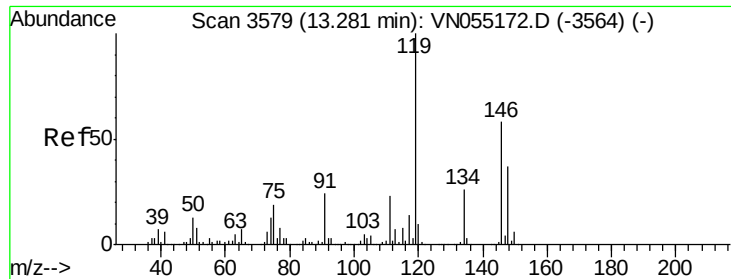
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.9 11.8 35.3

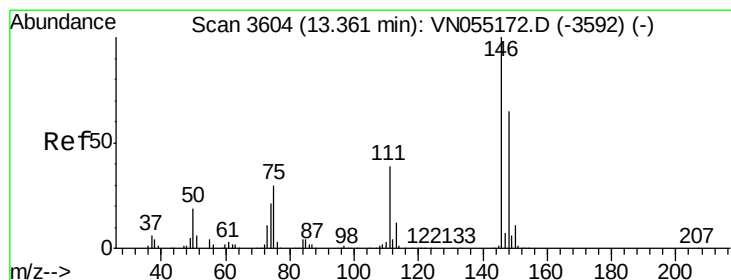
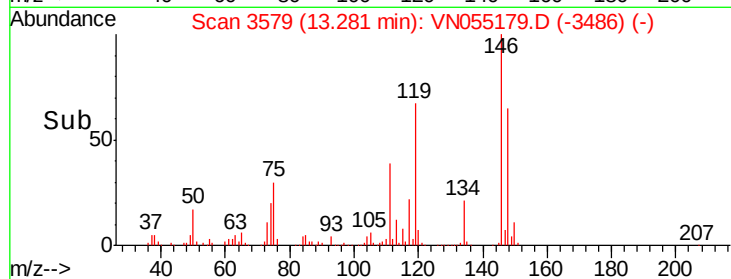
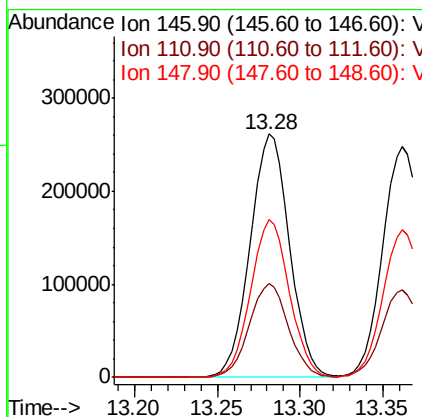
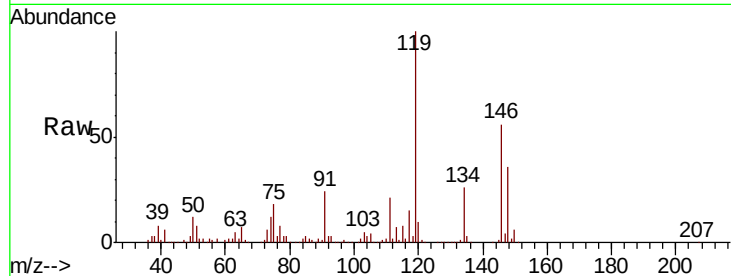




#87
 1,3-Dichlorobenzene
 Concen: 48.614 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

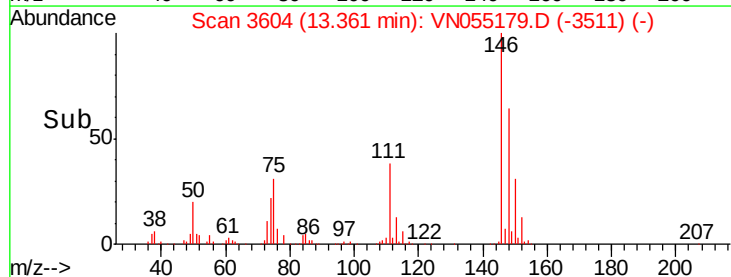
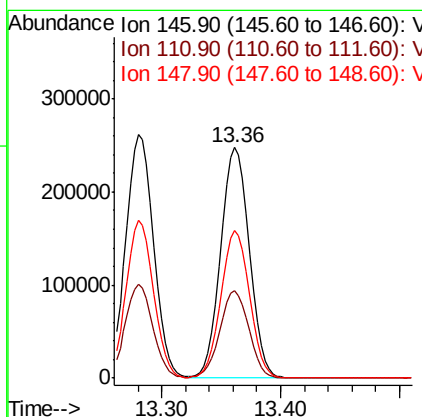
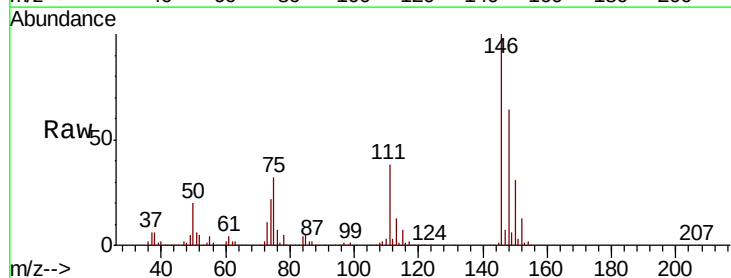
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

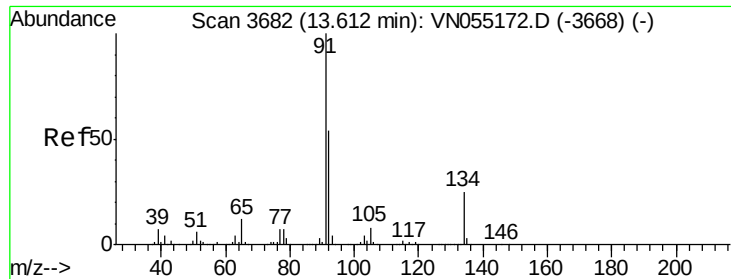
Tot Ion:146 Resp: 432659
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.7 59.1
 148 63.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.819 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion:146 Resp: 414347
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.4 58.2
 148 63.9 32.9 98.6





#89

n-Butylbenzene

Concen: 52.143 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042219

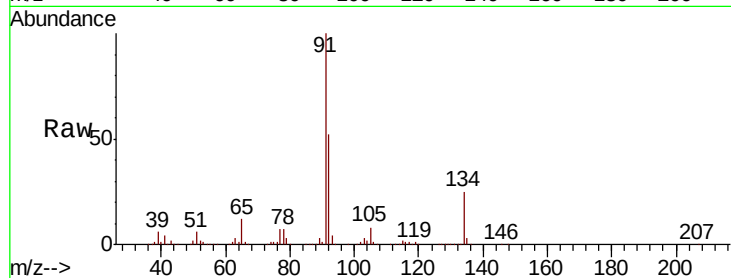
Tot Ion: 91 Resp: 708202

Ion Ratio Lower Upper

91 100

92 52.4 26.4 79.2

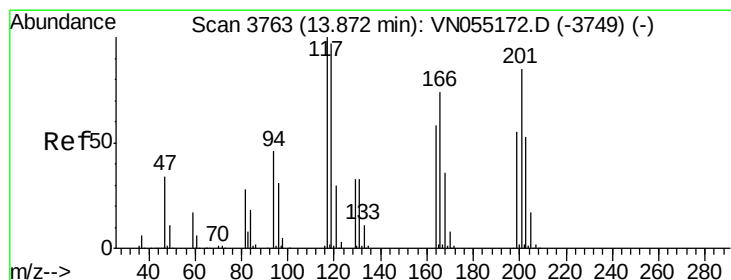
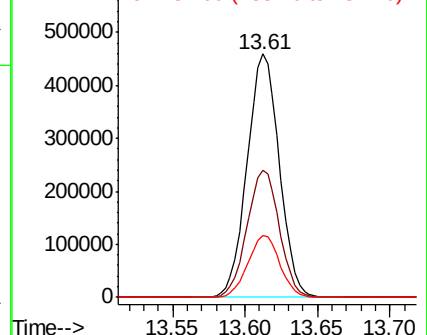
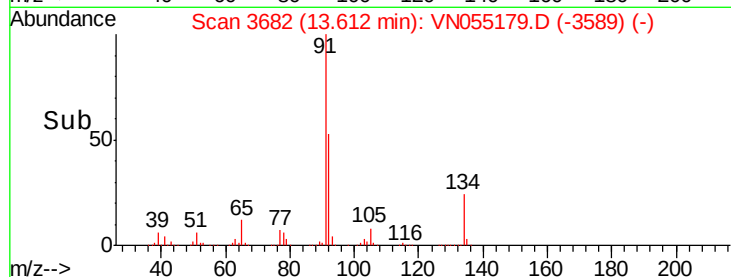
134 25.3 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN055179.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055179.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055179.D (-3682) (-)



#90

Hexachloroethane

Concen: 42.195 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055179.D

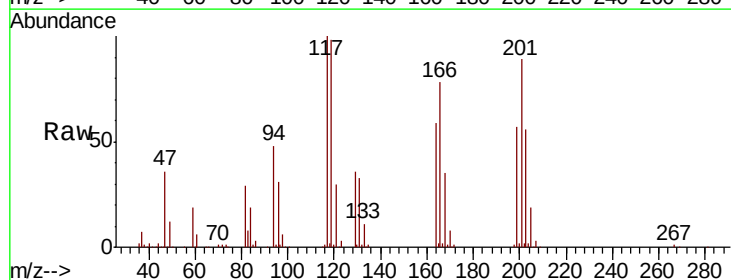
Acq: 22 Apr 2019 13:46

Tgt Ion: 117 Resp: 137124

Ion Ratio Lower Upper

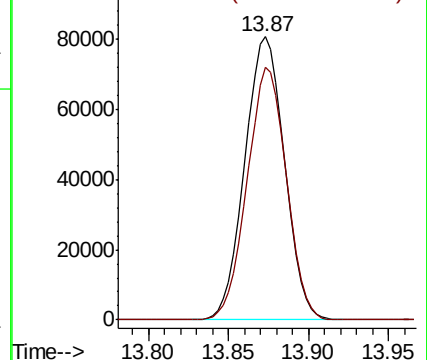
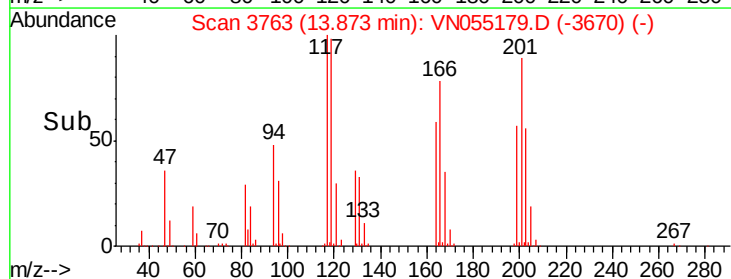
117 100

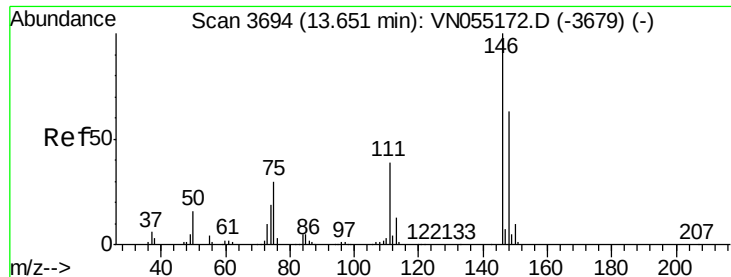
201 88.1 43.1 129.4



Abundance Ion 116.80 (116.50 to 117.50): VN055179.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055179.D (-3763) (-)

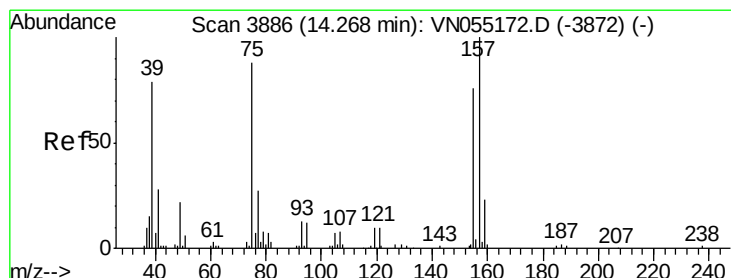
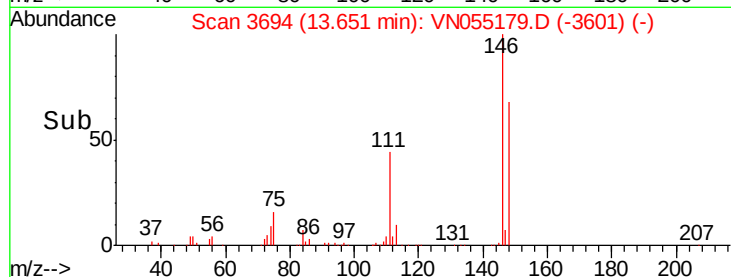
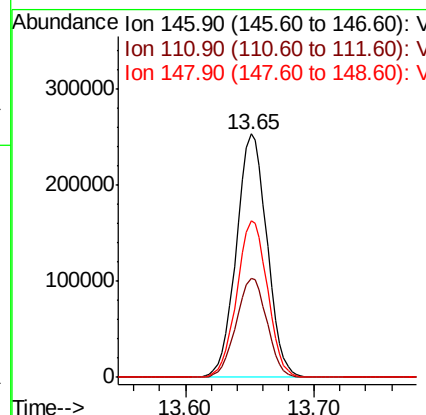
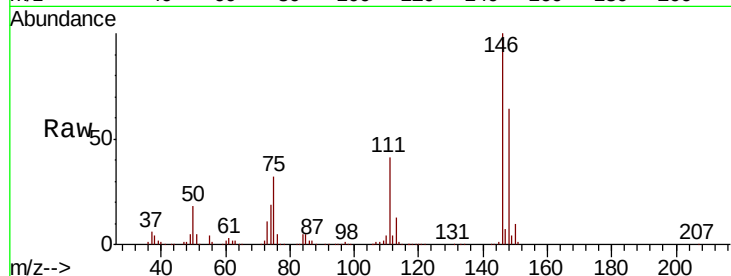




#91
 1,2-Dichlorobenzene
 Concen: 45.663 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

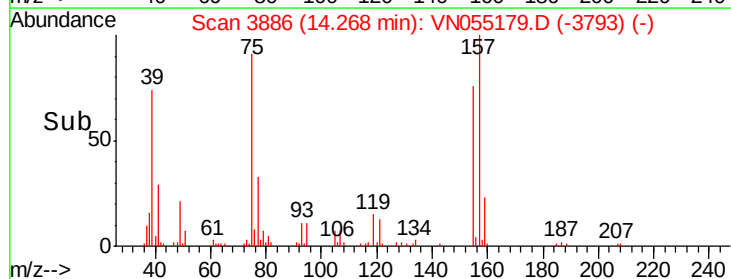
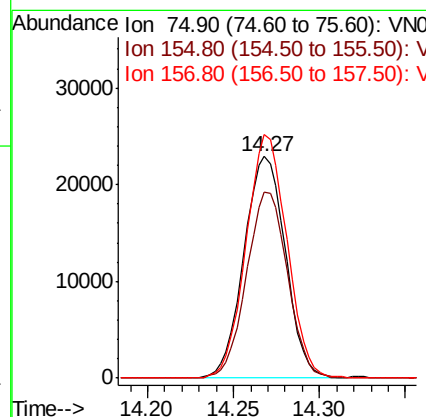
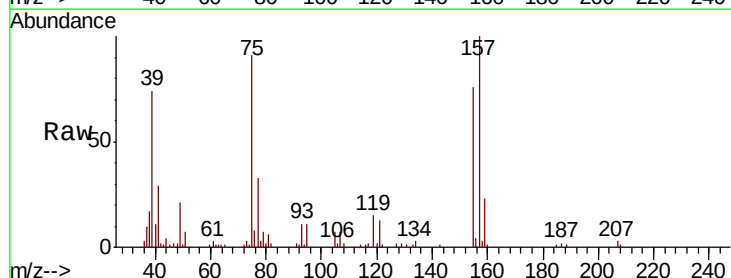
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

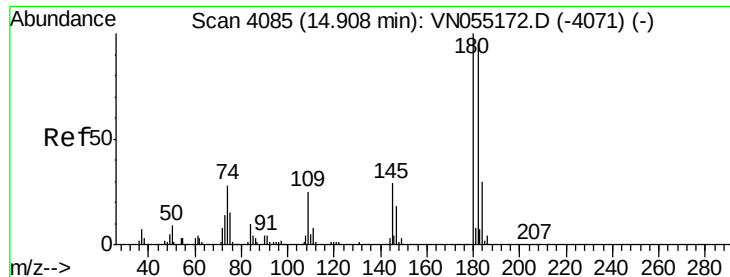
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.3
148	64.6	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.197 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	43.0	129.0
157	107.7	55.7	167.1

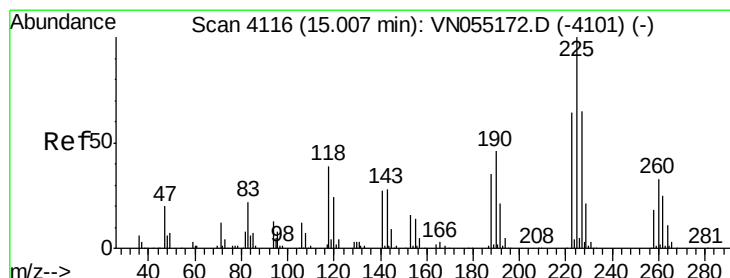
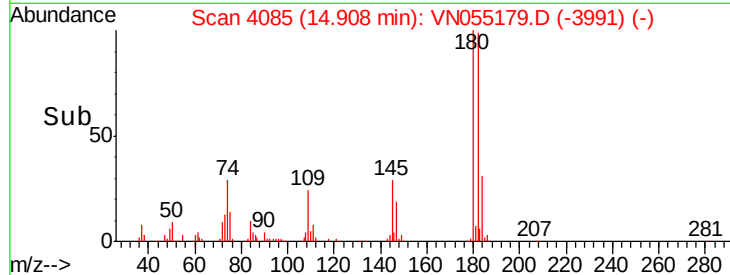
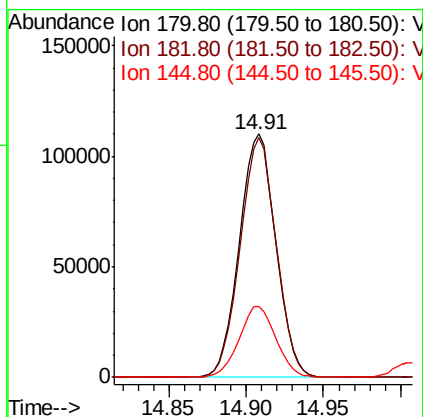
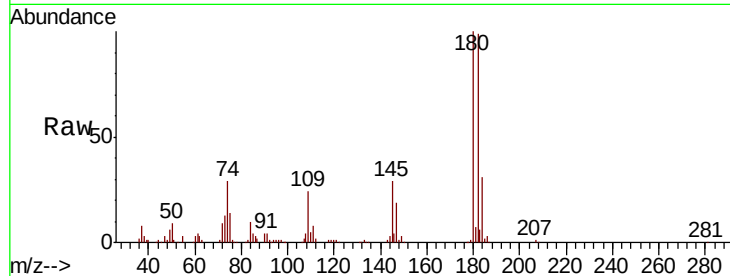




#93
 1,2,4-Trichlorobenzene
 Concen: 47.029 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

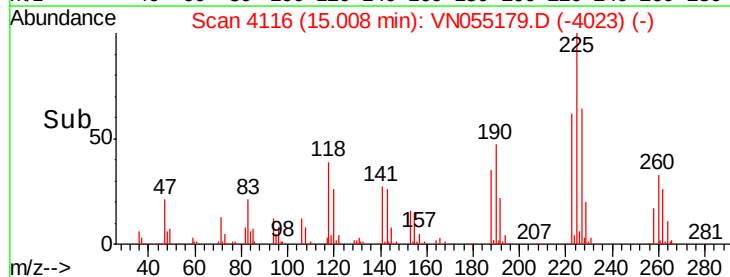
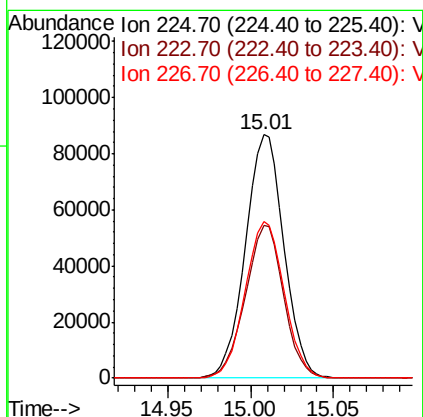
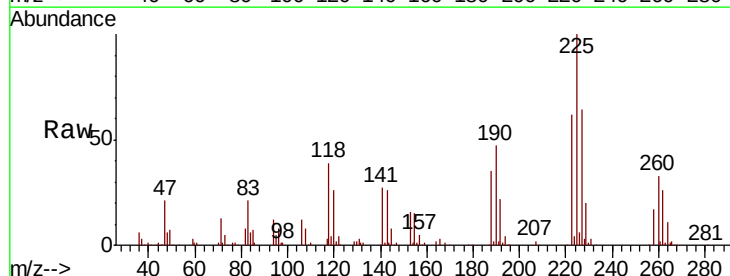
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042219

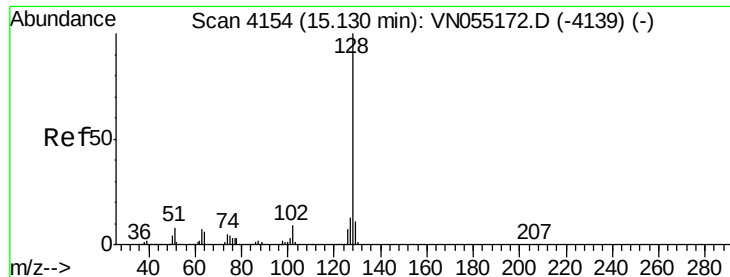
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.4
145	29.3	14.5	43.5



#94
 Hexachlorobutadiene
 Concen: 52.887 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055179.D
 Acq: 22 Apr 2019 13:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.2	96.6
227	65.1	32.6	98.0





#95

Naphthalene

Concen: 44.719 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

ICVVN042219

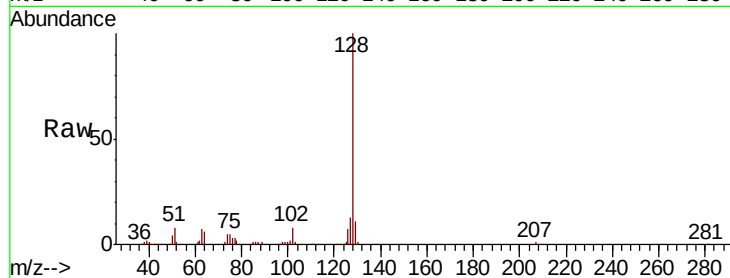
Tot Ion:128 Resp: 374285

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

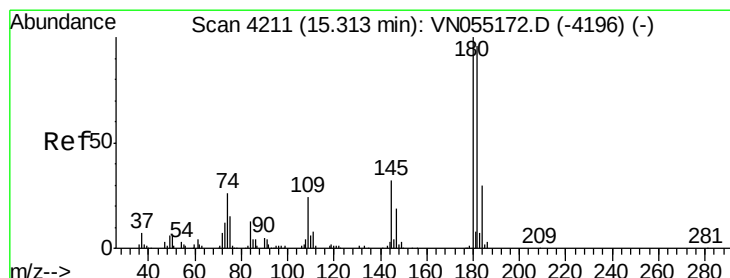
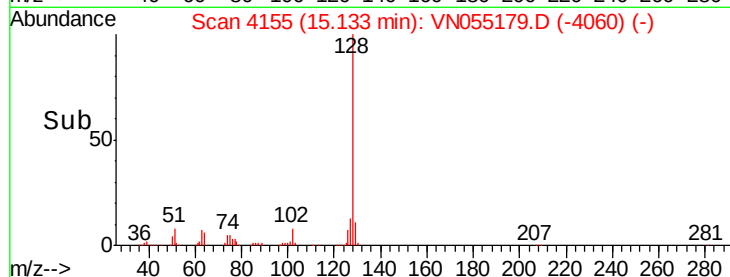
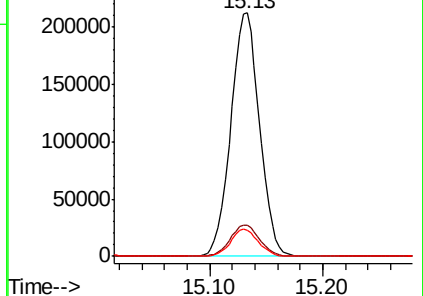
129 10.8 8.8 13.2



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: 47.115 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055179.D

Acq: 22 Apr 2019 13:46

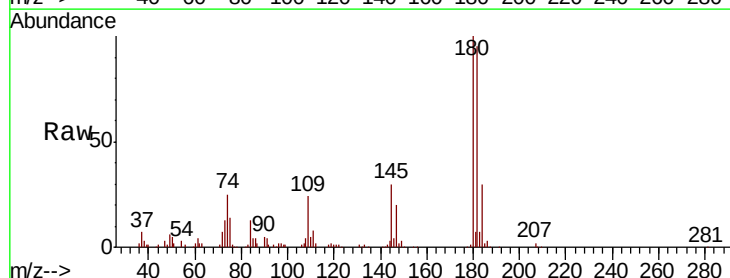
Tgt Ion:180 Resp: 180220

Ion Ratio Lower Upper

180 100

182 95.9 47.2 141.6

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

