

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056156.D
 Acq On : 10 Jun 2019 9:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 02:17:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	304704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	428784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	394515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186044	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	149198	49.31	ug/l	0.00
Spiked Amount						
			Recovery	=	98.62%	
35) Dibromofluoromethane	7.59	113	136816	52.01	ug/l	0.00
Spiked Amount						
			Recovery	=	104.02%	
50) Toluene-d8	10.09	98	508410	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	181159	52.62	ug/l	0.00
Spiked Amount						
			Recovery	=	105.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	164561	49.166	ug/l	100
3) Chloromethane	2.06	50	167076	50.583	ug/l	99
4) Vinyl Chloride	2.18	62	165461	49.940	ug/l	99
5) Bromomethane	2.53	94	125650	60.035	ug/l	99
6) Chloroethane	2.68	64	94520	49.204	ug/l	97
7) Trichlorofluoromethane	3.00	101	211585	50.024	ug/l	99
8) Diethyl Ether	3.40	74	81319	46.751	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	134990	52.539	ug/l	99
10) Methyl Iodide	3.94	142	194488	47.633	ug/l	99
11) Tert butyl alcohol	4.81	59	121428	230.635	ug/l	99
12) 1,1-Dichloroethene	3.72	96	128259	50.141	ug/l	94
13) Acrolein	3.60	56	42397	279.212	ug/l	100
14) Allyl chloride	4.31	41	206062	51.017	ug/l	100
15) Acrylonitrile	4.99	53	339979	265.269	ug/l	100
16) Acetone	3.82	43	368893	254.940	ug/l	100
17) Carbon Disulfide	4.04	76	300534	49.070	ug/l	99
18) Methyl Acetate	4.32	43	150609	53.024	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	407835	50.019	ug/l	99
20) Methylene Chloride	4.54	84	148081	49.673	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	136869	49.939	ug/l	97
22) Diisopropyl ether	5.95	45	417446	49.997	ug/l	98
23) Vinyl Acetate	5.89	43	1726899	262.637	ug/l	100
24) 1,1-Dichloroethane	5.84	63	244339	50.732	ug/l	99
25) 2-Butanone	6.84	43	481757	263.512	ug/l	99
26) 2,2-Dichloropropane	6.82	77	191940	51.072	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	161410	50.102	ug/l	98
28) Bromochloromethane	7.19	49	116936	51.341	ug/l	99
29) Tetrahydrofuran	7.21	42	289783	256.424	ug/l	100
30) Chloroform	7.37	83	248456	51.281	ug/l	100
31) Cyclohexane	7.65	56	222979	46.447	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	209694	51.829	ug/l	100
36) 1,1-Dichloropropene	7.79	75	184479	50.036	ug/l	99
37) Ethyl Acetate	6.93	43	175244	53.420	ug/l	99
38) Carbon Tetrachloride	7.77	117	181693	53.452	ug/l	98

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

39) Methylcyclohexane	9.08	83	232704	50.666	ug/l	99
40) Benzene	8.04	78	574841	51.334	ug/l	100
41) Methacrylonitrile	7.17	41	91363	60.532	ug/l	97
42) 1,2-Dichloroethane	8.12	62	184765	51.295	ug/l	100
43) Isopropyl Acetate	8.17	43	273228	51.398	ug/l #	92
44) Trichloroethene	8.83	130	163575	50.835	ug/l	100
45) 1,2-Dichloropropane	9.12	63	152082	53.022	ug/l	99
46) Dibromomethane	9.21	93	99933	53.279	ug/l	99
47) Bromodichloromethane	9.40	83	189350	55.700	ug/l	99
48) Methyl methacrylate	9.20	41	140247	53.927	ug/l	97
49) 1,4-Dioxane	9.20	88	61129	1088.749	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	894734	269.148	ug/l	100
52) Toluene	10.15	92	363199	52.123	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	198814	49.889	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	225756	55.248	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	145601	52.750	ug/l	98
56) Ethyl methacrylate	10.43	69	215175	53.436	ug/l	99
57) 1,3-Dichloropropane	10.71	76	237292	52.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	371165	233.519	ug/l	99
59) 2-Hexanone	10.75	43	653321	271.156	ug/l	99
60) Dibromochloromethane	10.90	129	158087	51.835	ug/l	99
61) 1,2-Dibromoethane	11.00	107	150777	53.434	ug/l	98
64) Tetrachloroethene	10.63	164	166846	48.857	ug/l	98
65) Chlorobenzene	11.43	112	397388	50.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147409	54.373	ug/l	99
67) Ethyl Benzene	11.51	91	691884	50.677	ug/l	99
68) m/p-Xylenes	11.62	106	542189	103.957	ug/l	98
69) o-Xylene	11.95	106	263397	51.342	ug/l	98
70) Styrene	11.96	104	445193	54.616	ug/l	99
71) Bromoform	12.13	173	116612	51.166	ug/l #	100
73) Isopropylbenzene	12.25	105	696280	52.632	ug/l	99
74) N-amyl acetate	12.07	43	240429	48.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	203169	47.042	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	240046	70.121	ug/l #	100
77) Bromobenzene	12.53	156	189139	47.485	ug/l	96
78) n-propylbenzene	12.59	91	761280	48.368	ug/l	100
79) 2-Chlorotoluene	12.67	91	462206	53.088	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	585619	46.816	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53587	52.130	ug/l	92
82) 4-Chlorotoluene	12.77	91	455198	49.434	ug/l	99
83) tert-Butylbenzene	12.99	119	505226	52.174	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	573459	48.344	ug/l	98
85) sec-Butylbenzene	13.17	105	668329	47.948	ug/l	100
86) p-Isopropyltoluene	13.29	119	612659	49.113	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	310560	50.377	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	300358	50.648	ug/l	99
89) n-Butylbenzene	13.61	91	473963	51.290	ug/l	100
90) Hexachloroethane	13.87	117	97969	52.076	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	304478	48.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32989	53.403	ug/l	97

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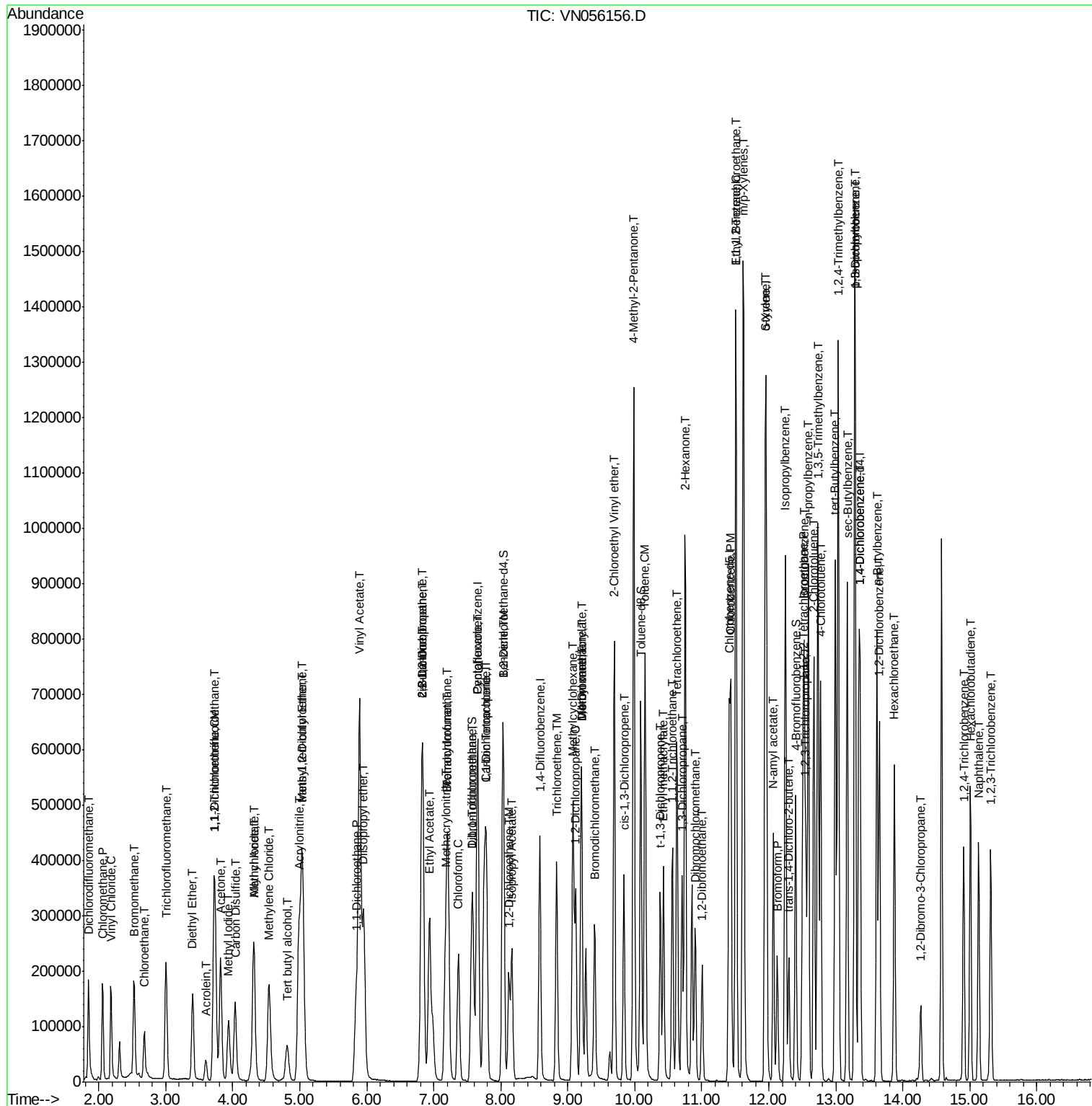
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	155951	45.856	ug/l	99
94) Hexachlorobutadiene	15.01	225	118233	55.620	ug/l	98
95) Naphthalene	15.13	128	385345	43.820	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	166028	47.650	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

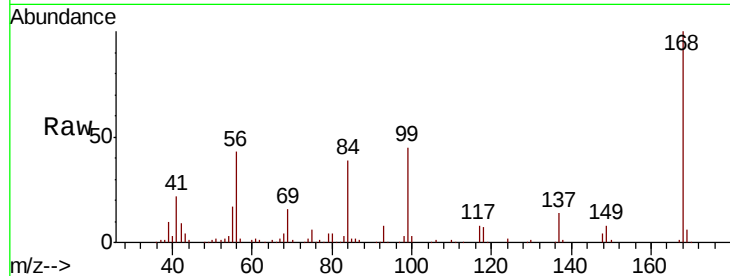
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 304704

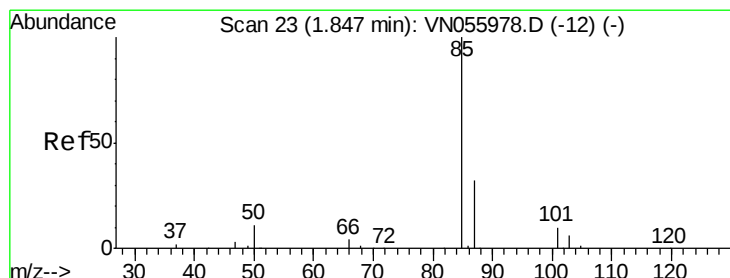
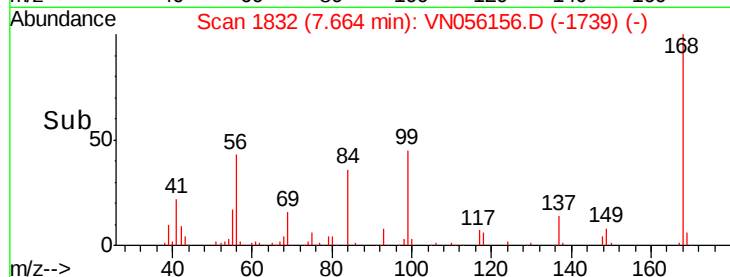
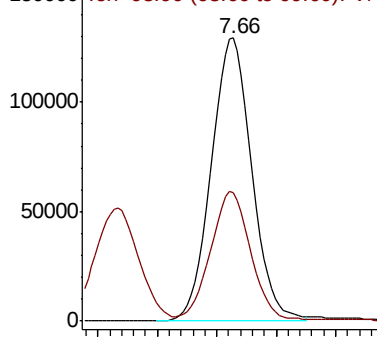
Ion Ratio Lower Upper

168 100

99 44.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 49.166 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056156.D

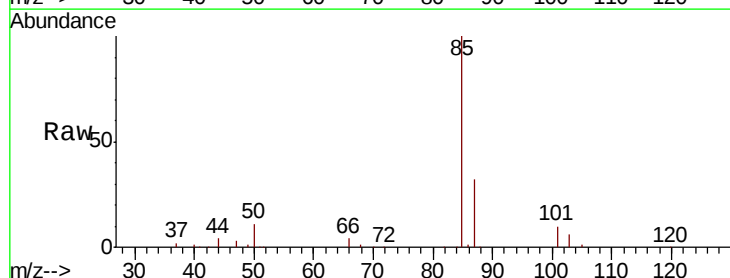
Acq: 10 Jun 2019 9:25

Tgt Ion: 85 Resp: 164561

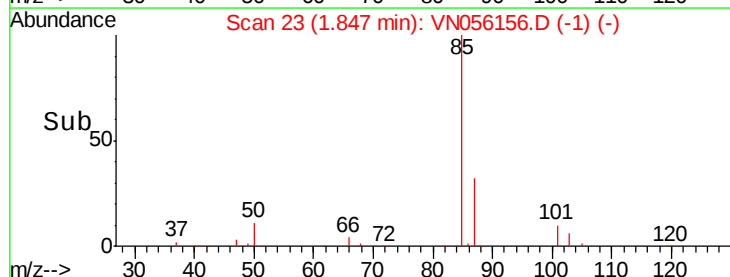
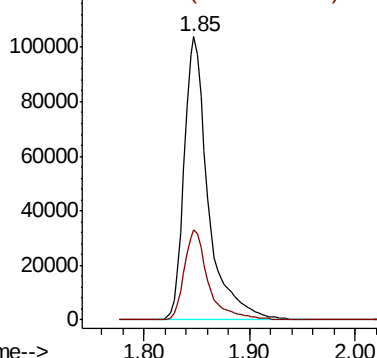
Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN
Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 50.583 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

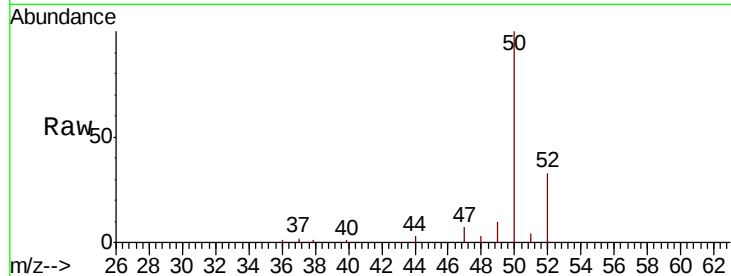
ClientSampleId :

Tot Ion: 50 Resp: 167076

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN055978.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN055978.D (-76) (-)

2.06

120000

100000

80000

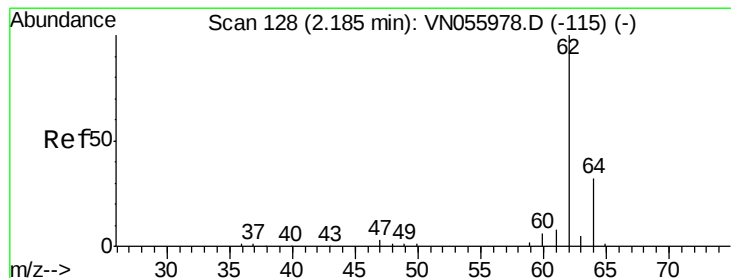
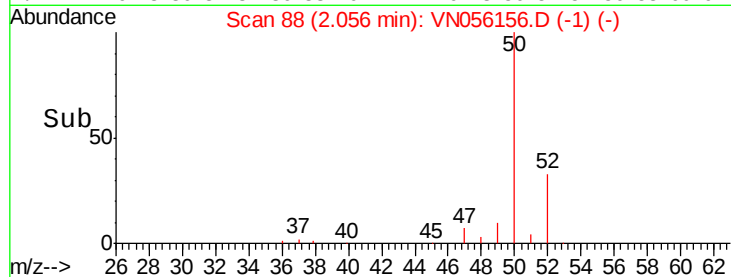
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.940 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056156.D

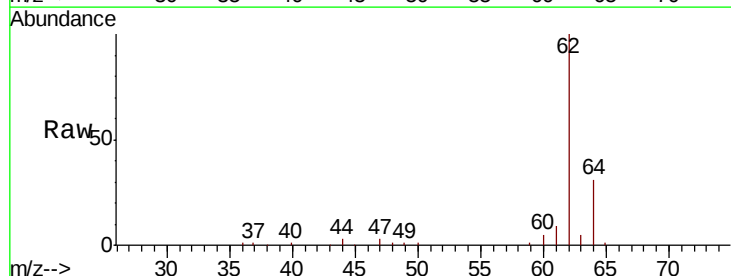
Acq: 10 Jun 2019 9:25

Tgt Ion: 62 Resp: 165461

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055978.D (-115) (-)

2.18

120000

100000

80000

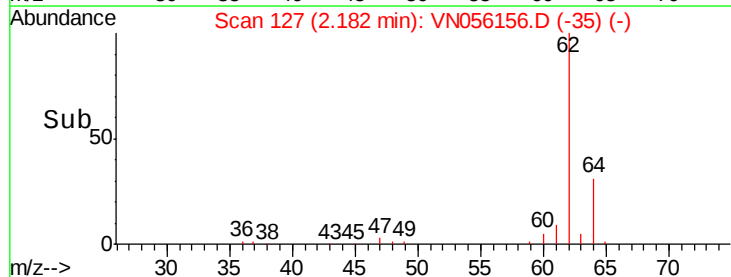
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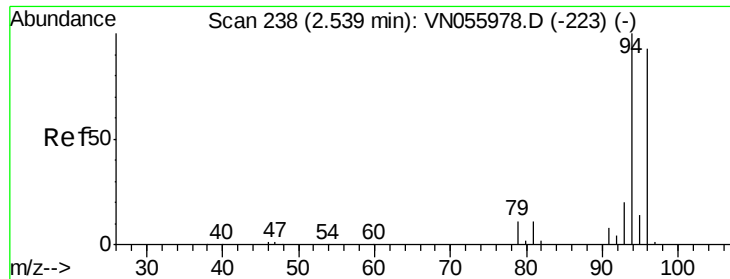
40000

20000

0

Time-->

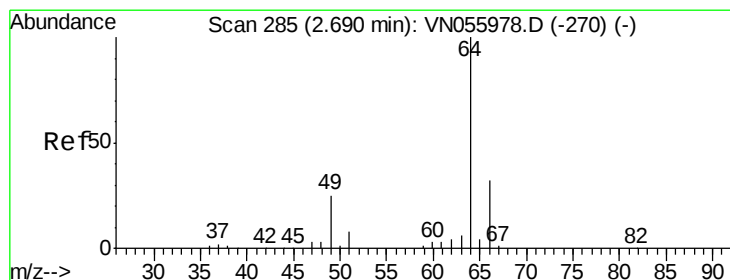
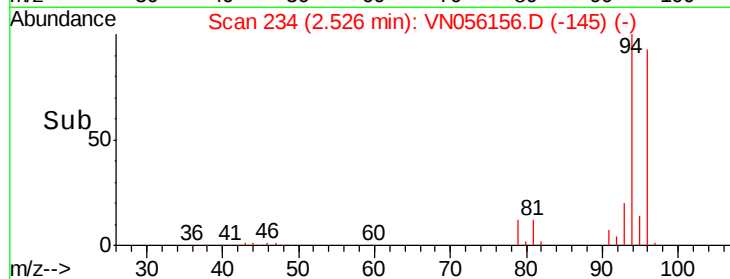
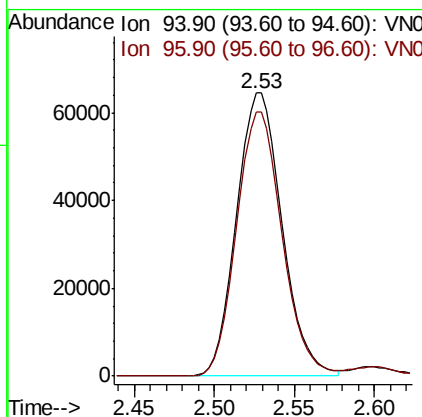
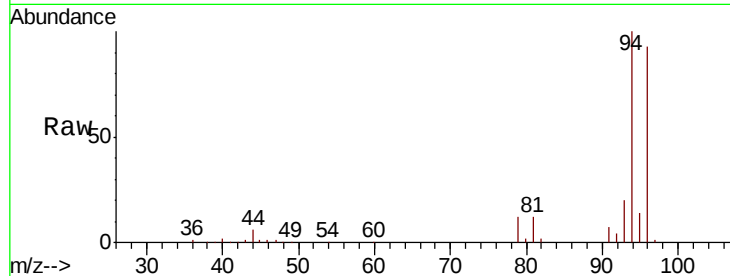




#5
Bromomethane
Concen: 60.035 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

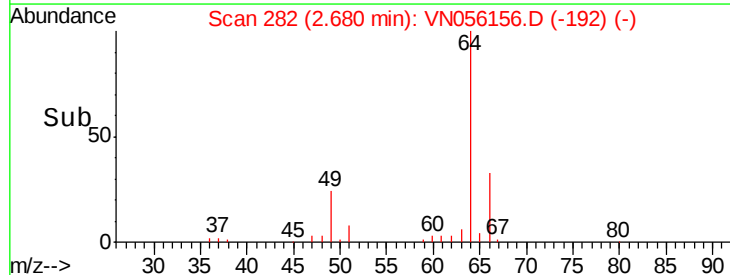
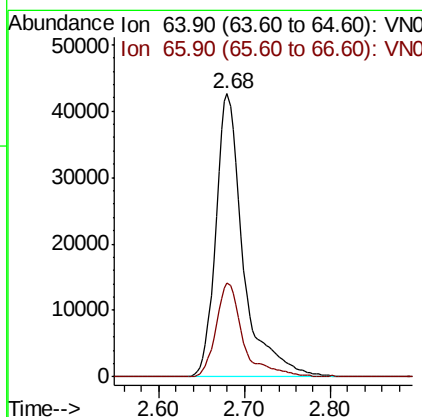
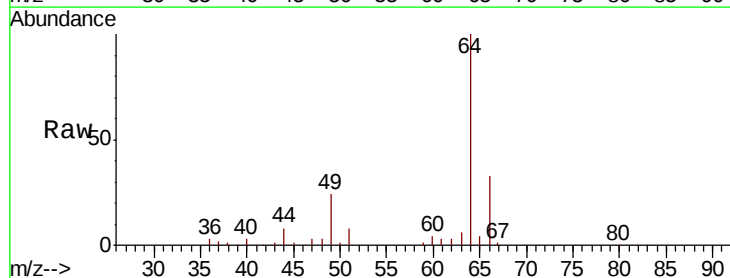
Instrument :
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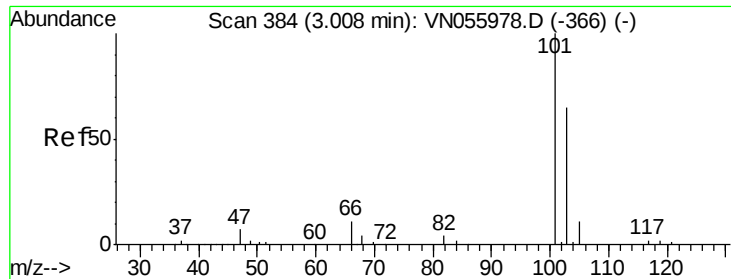
Tot Ion: 94 Resp: 125650
Ion Ratio Lower Upper
94 100
96 93.3 75.5 113.3



#6
Chloroethane
Concen: 49.204 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 64 Resp: 94520
Ion Ratio Lower Upper
64 100
66 33.3 25.4 38.0



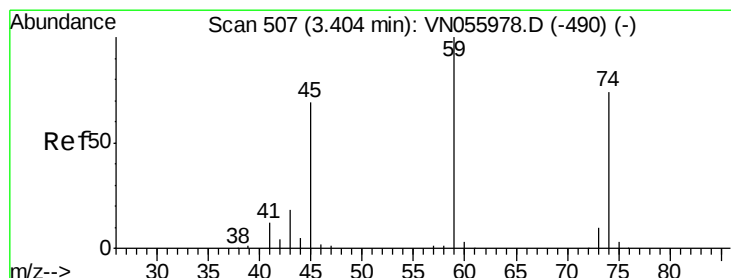
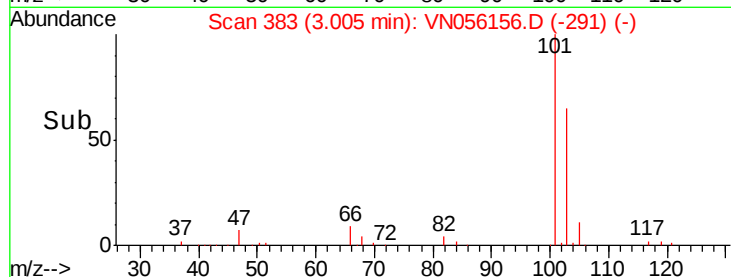
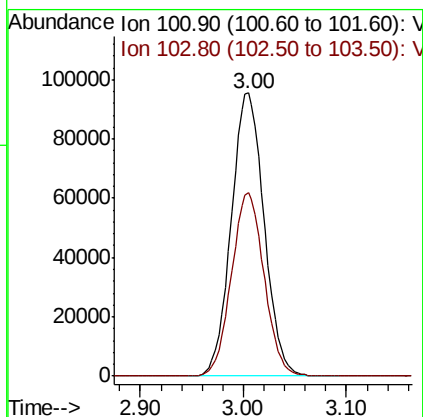
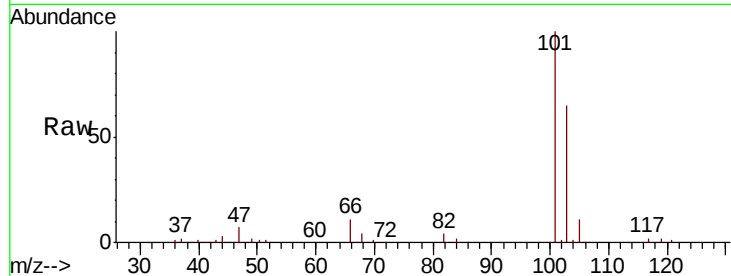


#7

Trichlorofluoromethane
Concen: 50.024 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :

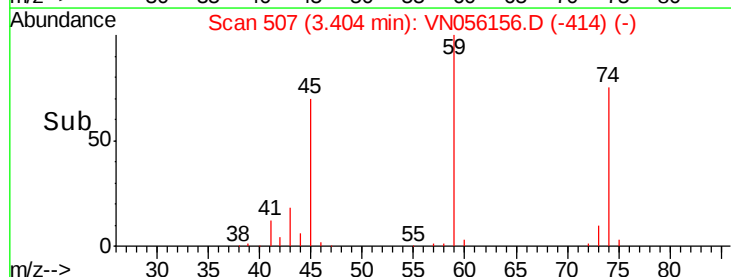
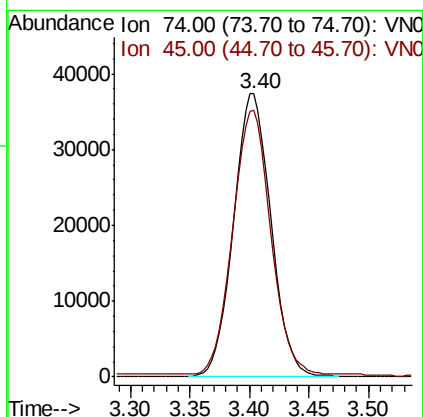
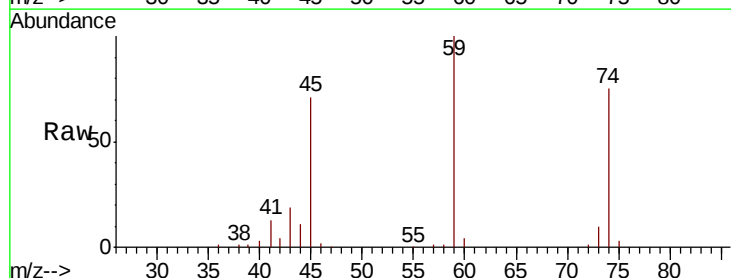
Tot Ion:101 Resp: 211585
Ion Ratio Lower Upper
101 100
103 64.7 51.2 76.8



#8

Diethyl Ether
Concen: 46.751 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 74 Resp: 81319
Ion Ratio Lower Upper
74 100
45 94.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.539 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

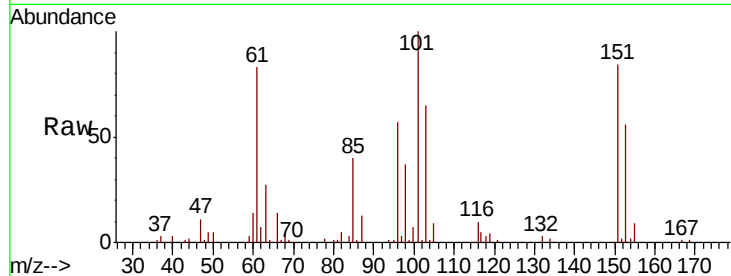
Tot Ion:101 Resp: 134990

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.2

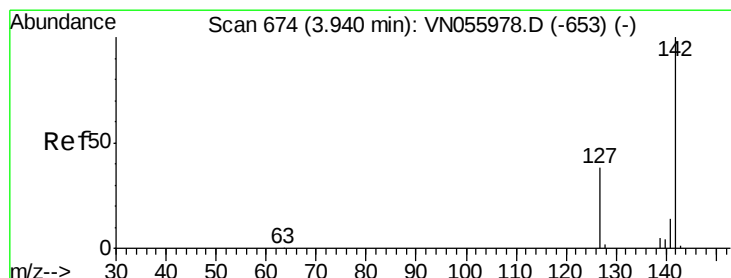
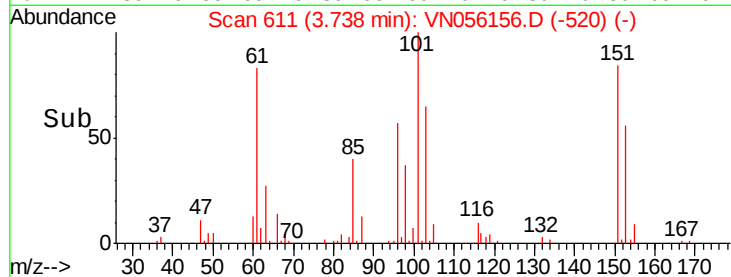
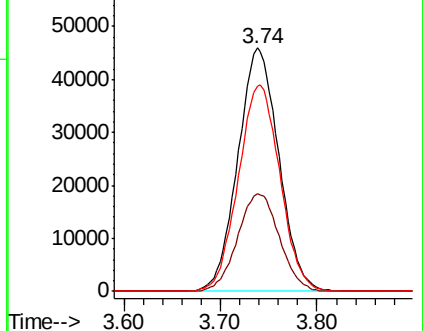
151 86.3 69.4 104.2



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: 47.633 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

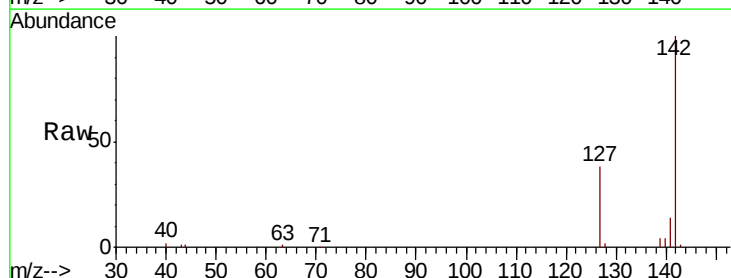
Tgt Ion:142 Resp: 194488

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

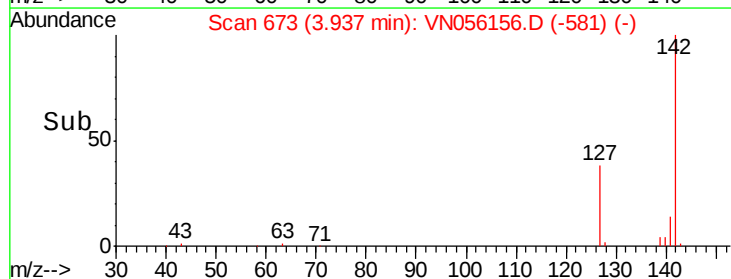
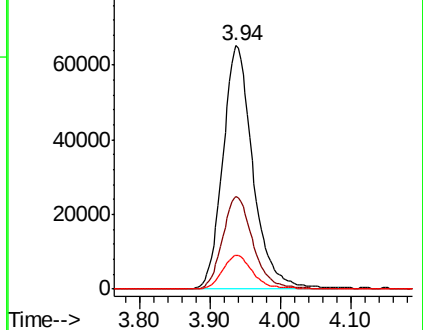
141 13.8 11.4 17.0

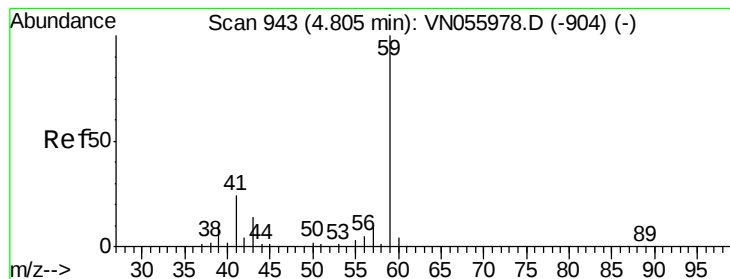


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 230.635 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

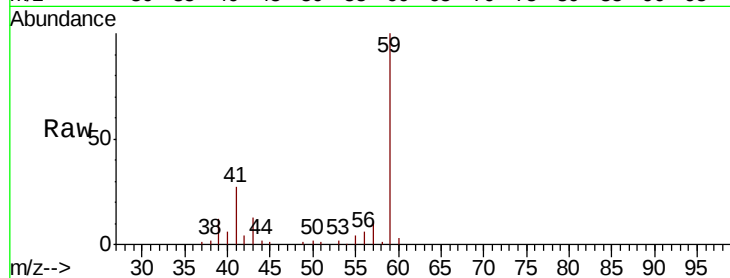
ClientSampleId :

Tot Ion: 59 Resp: 121428

Ion Ratio Lower Upper

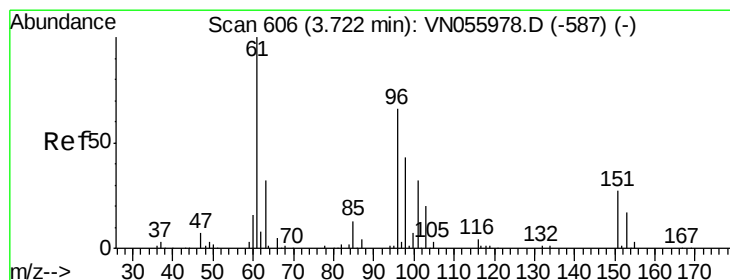
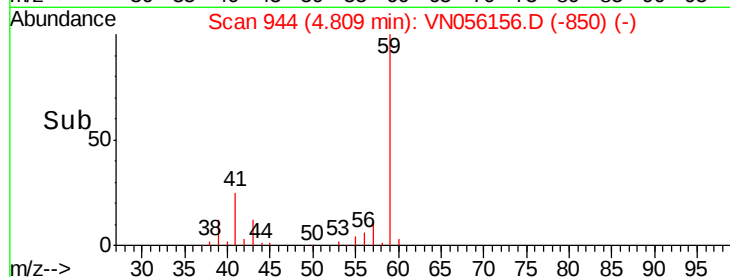
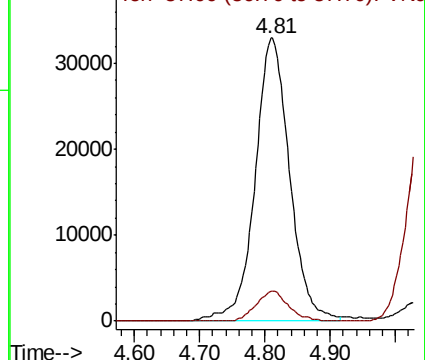
59 100

57 9.9 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 50.141 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

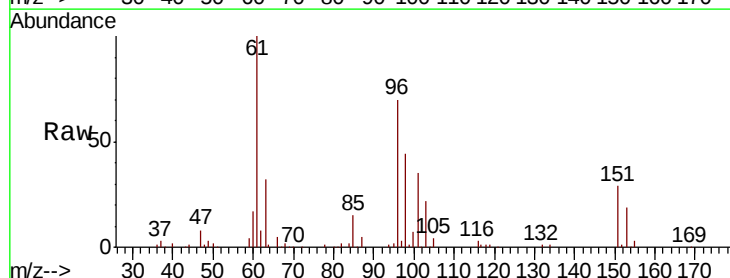
Tgt Ion: 96 Resp: 128259

Ion Ratio Lower Upper

96 100

61 143.8 123.2 184.8

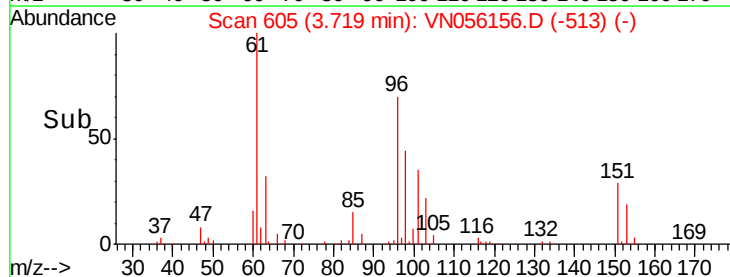
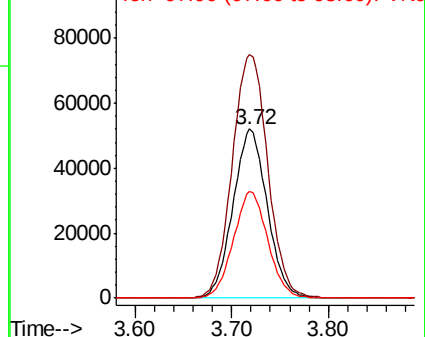
98 63.1 50.4 75.6

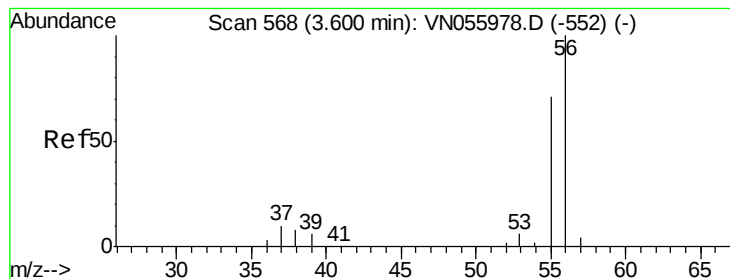


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 279.212 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

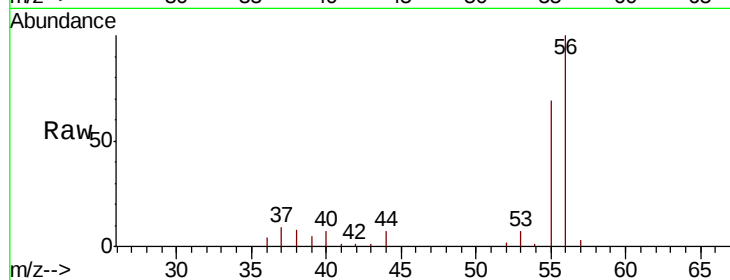
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 42397

Ion Ratio Lower Upper

56 100

55 69.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

5000

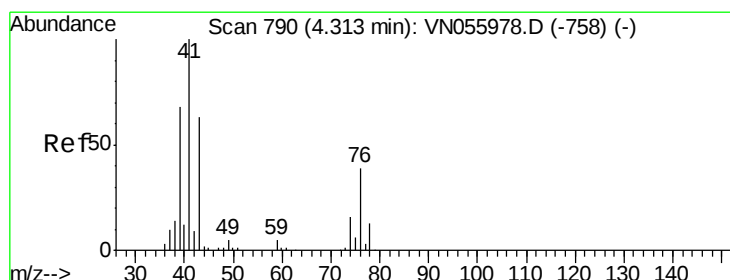
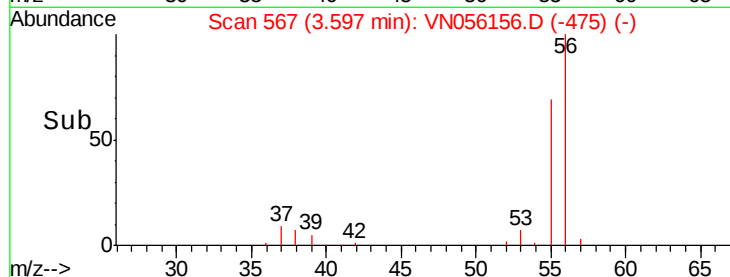
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 51.017 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

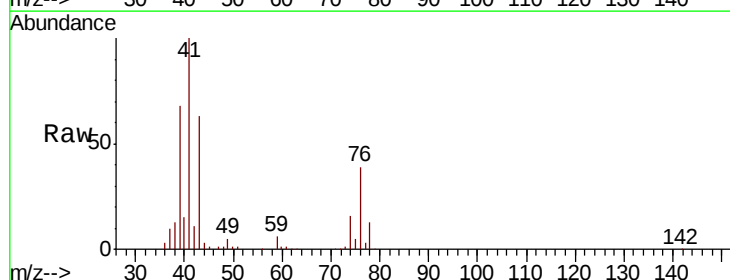
Tgt Ion: 41 Resp: 206062

Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

76 34.6 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

60000

40000

20000

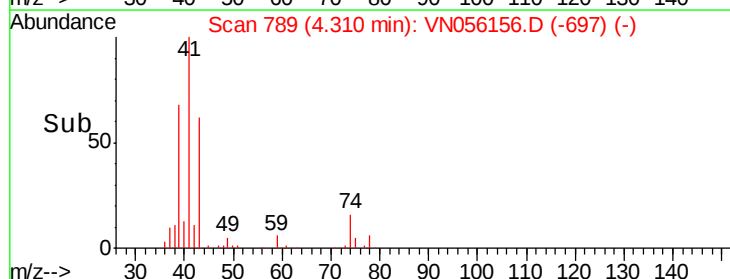
0

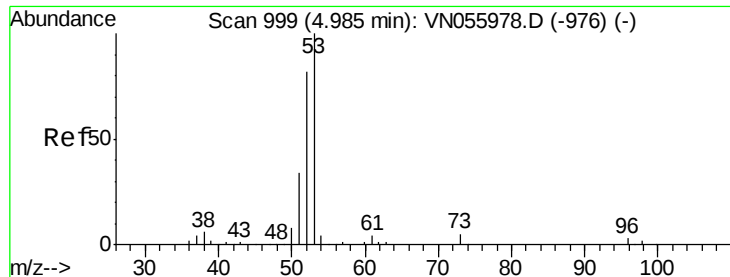
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 265.269 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

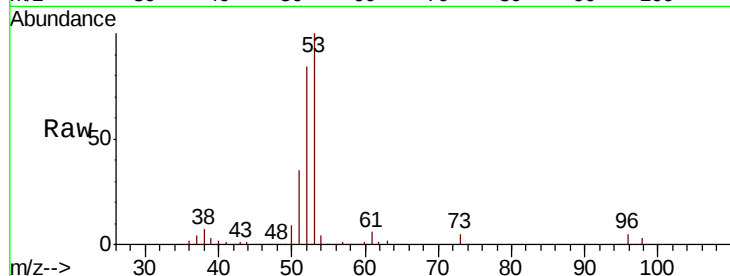
Tot Ion: 53 Resp: 339979

Ion Ratio Lower Upper

53 100

52 82.4 65.8 98.8

51 35.1 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)

4.99

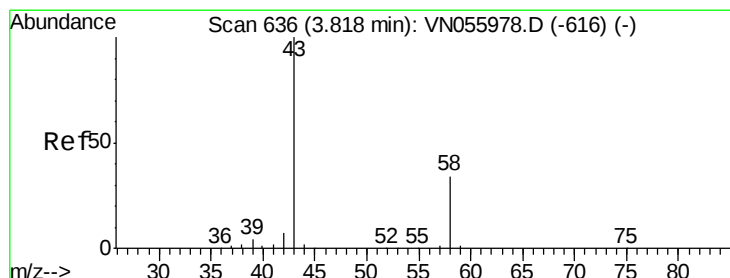
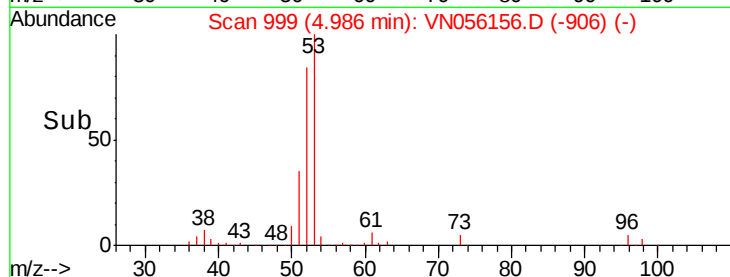
100000

50000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 254.940 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056156.D

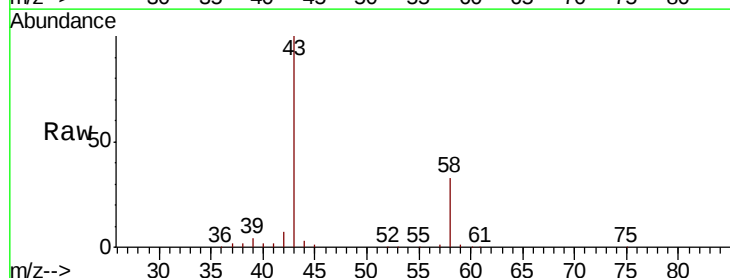
Acq: 10 Jun 2019 9:25

Tgt Ion: 43 Resp: 368893

Ion Ratio Lower Upper

43 100

58 33.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

3.82

150000

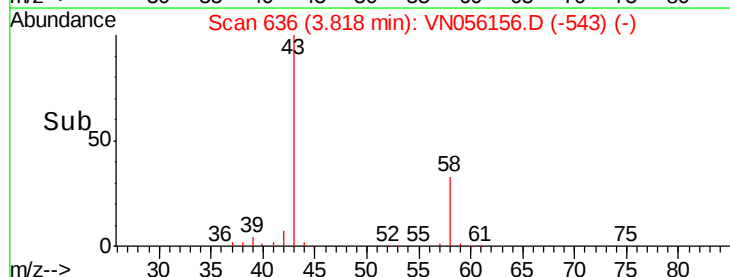
100000

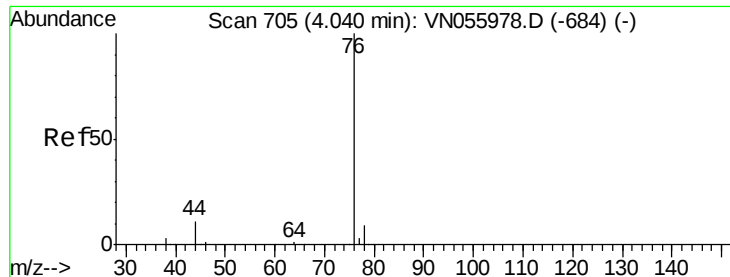
50000

0

3.70 3.80 3.90 4.00

Time-->

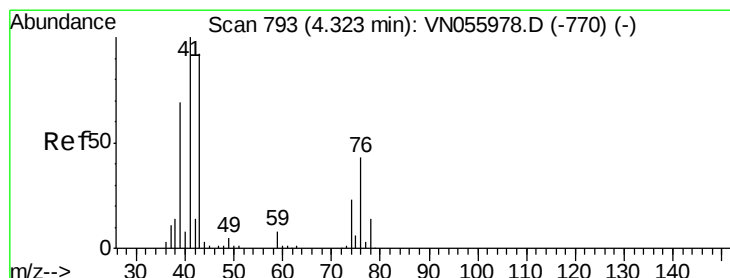
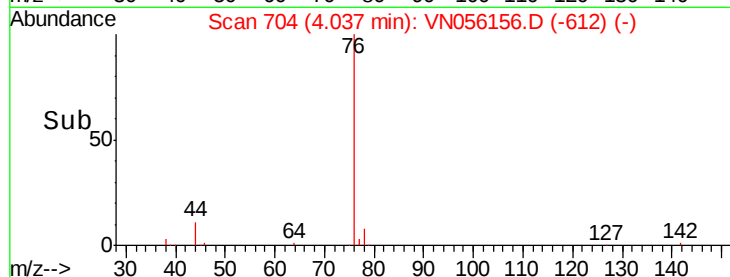
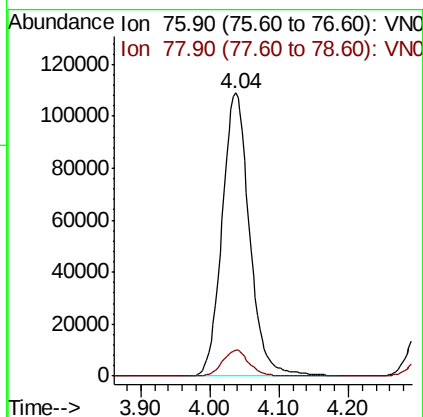
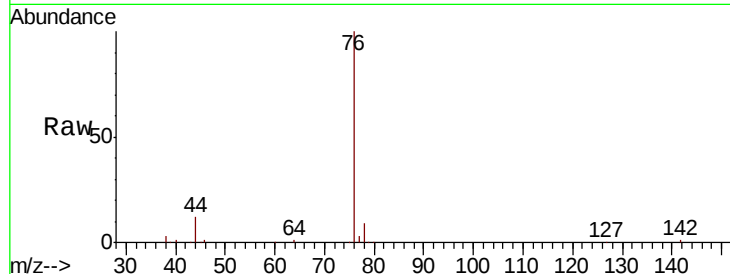




#17
Carbon Disulfide
Concen: 49.070 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

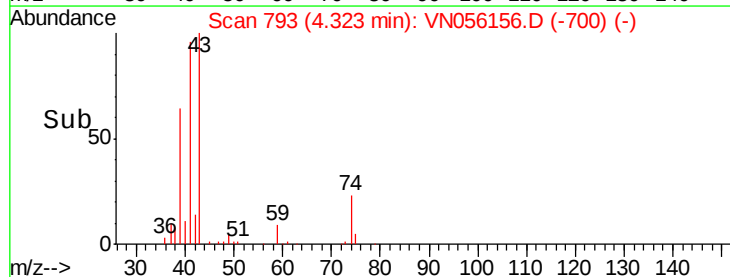
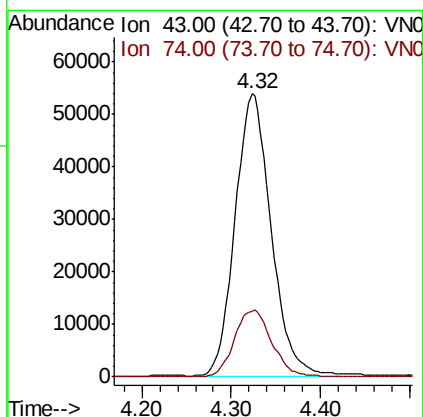
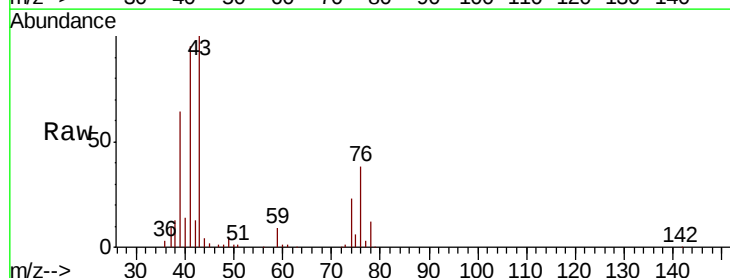
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 300534
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 53.024 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 43 Resp: 150609
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9

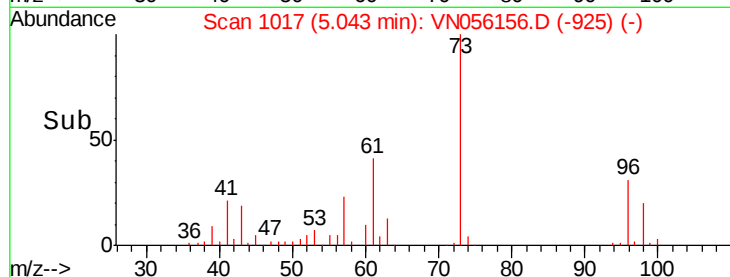
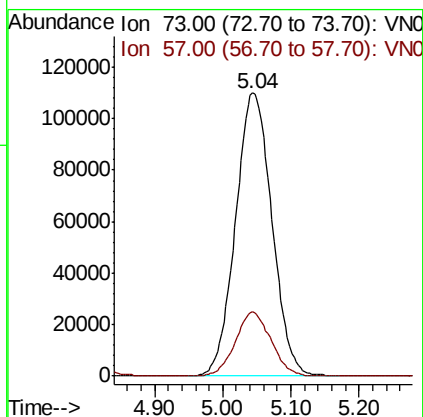
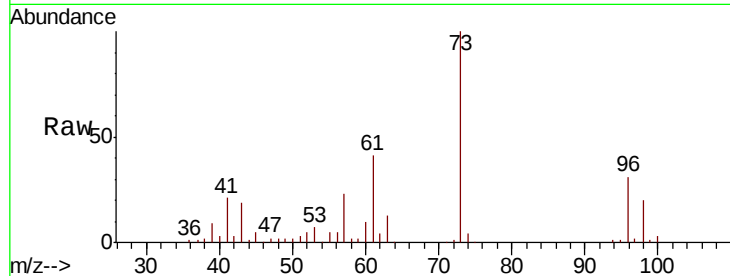




#19
Methvl tert-butvl Ether
Concen: 50.019 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

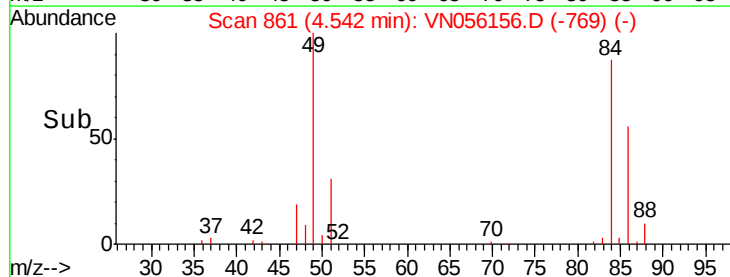
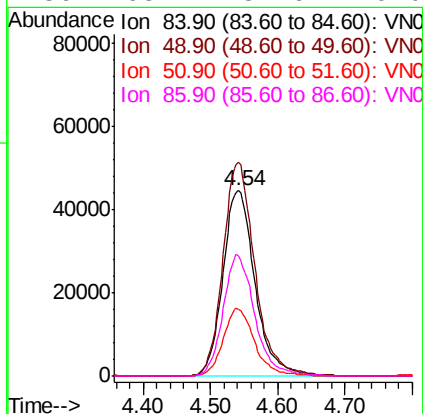
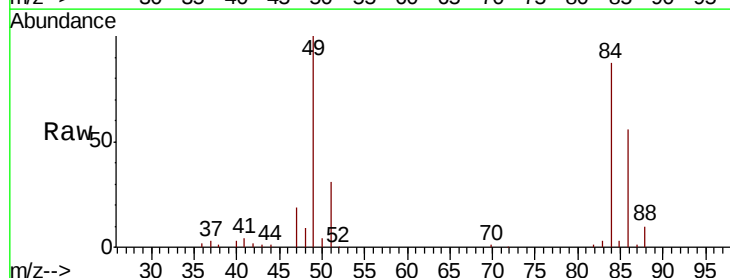
Instrument :
MSVOA_N
ClientSampleId :

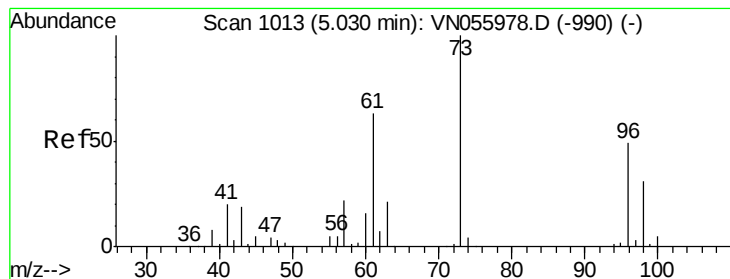
Tot Ion: 73 Resp: 407835
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8



#20
Methylene Chloride
Concen: 49.673 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 84 Resp: 148081
Ion Ratio Lower Upper
84 100
49 115.3 93.5 140.3
51 36.2 28.6 43.0
86 65.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.939 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :

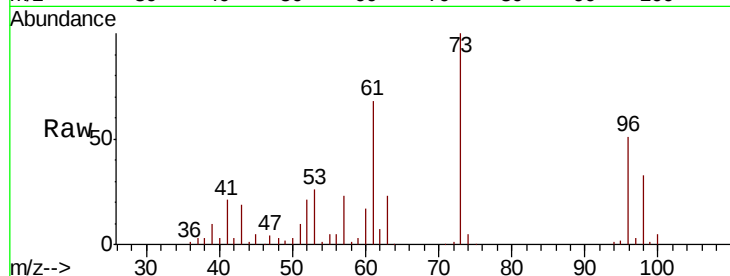
Tot Ion: 96 Resp: 136869

Ion Ratio Lower Upper

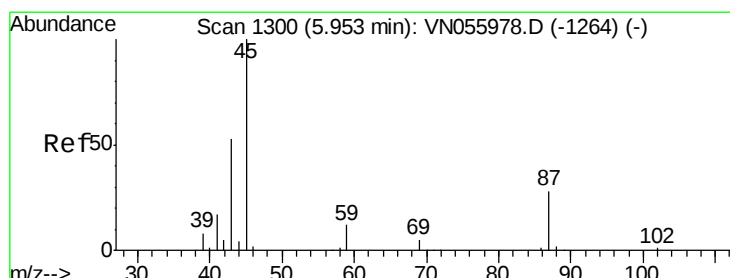
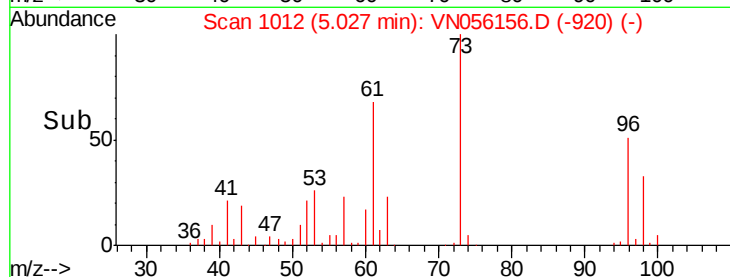
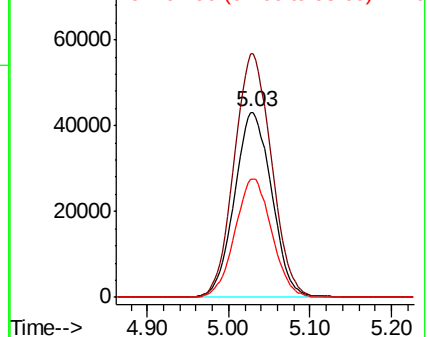
96 100

61 131.3 107.8 161.8

98 63.6 49.8 74.8



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: 49.997 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Tgt Ion: 45 Resp: 417446

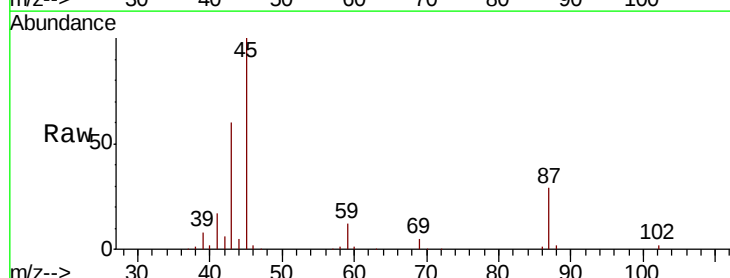
Ion Ratio Lower Upper

45 100

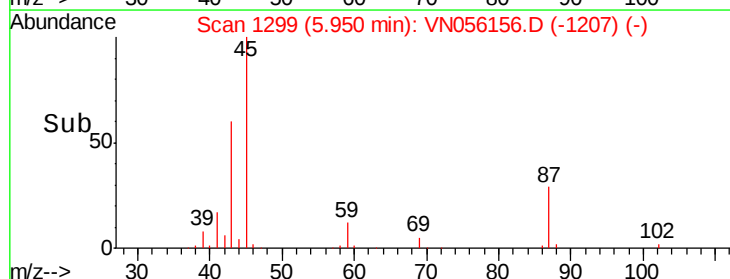
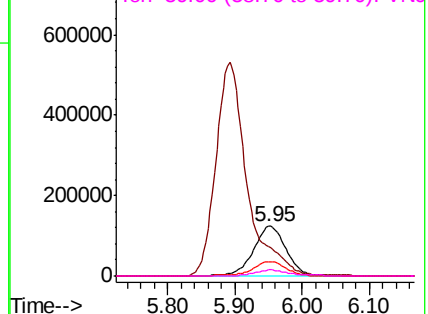
43 58.4 45.0 67.6

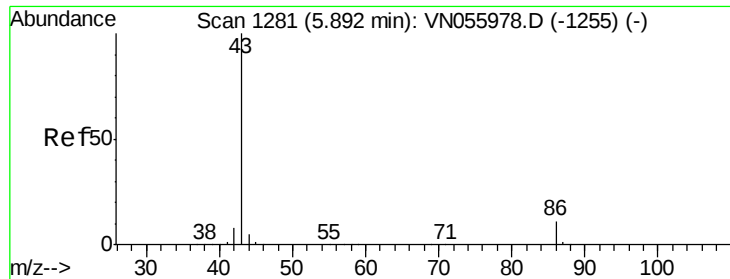
87 28.6 22.2 33.4

59 11.6 9.1 13.7



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

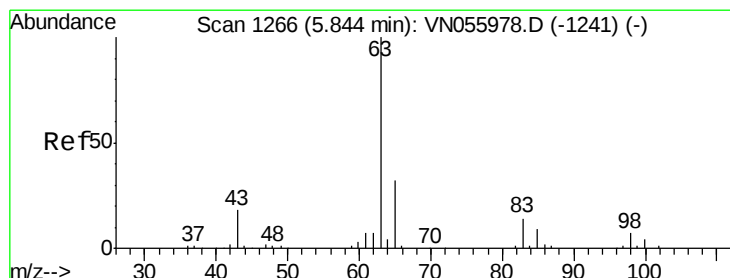
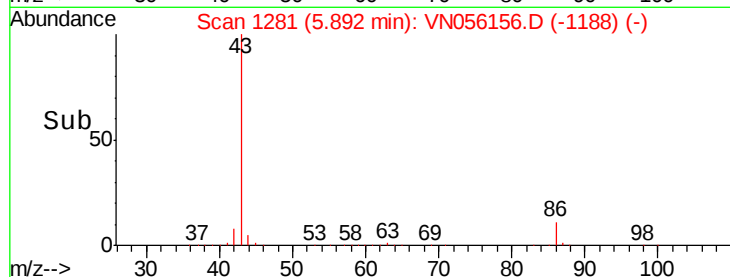
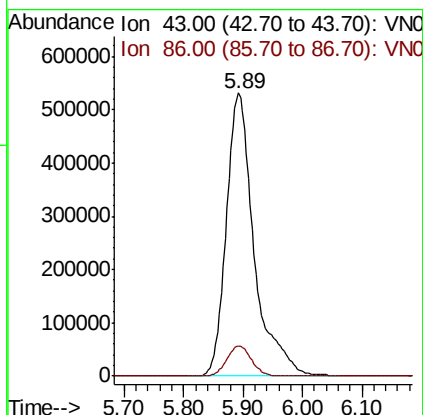
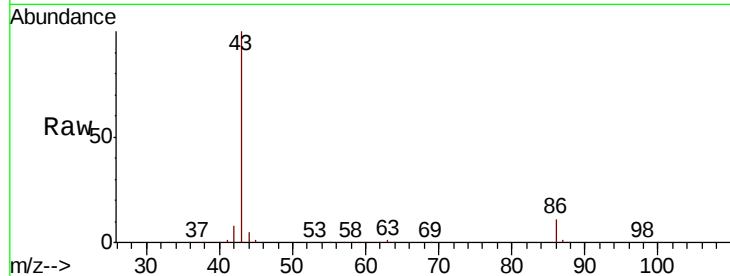




#23
 Vinyl Acetate
 Concen: 262.637 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

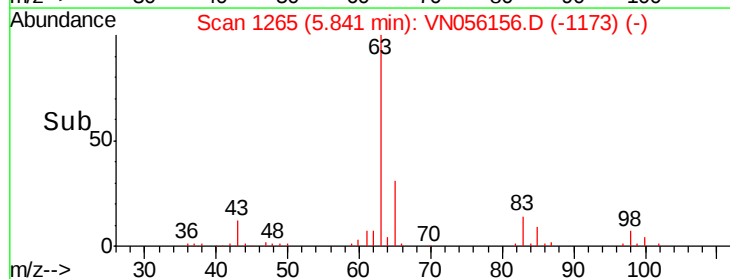
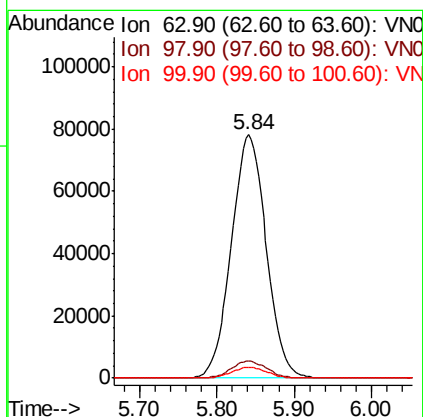
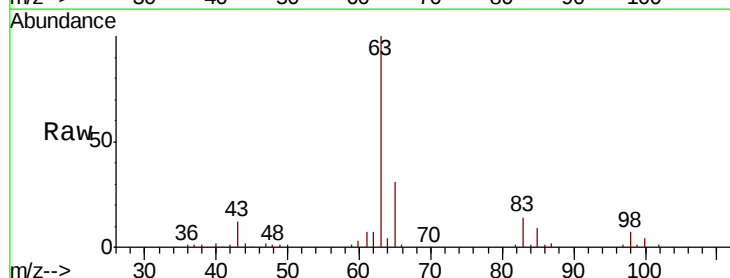
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 1726899
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 50.732 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion: 63 Resp: 244339
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.3 2.2 6.6

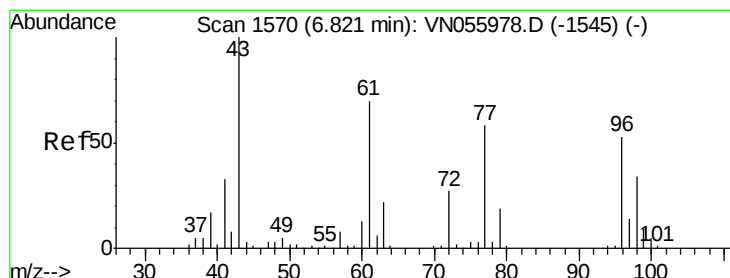
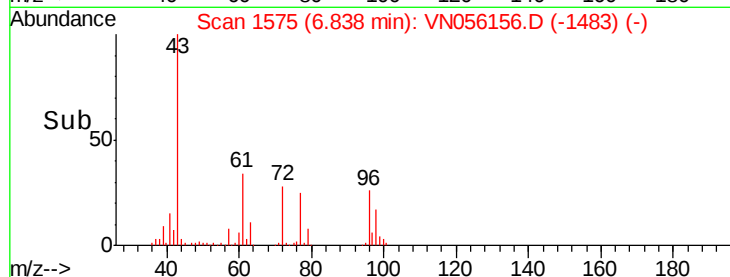
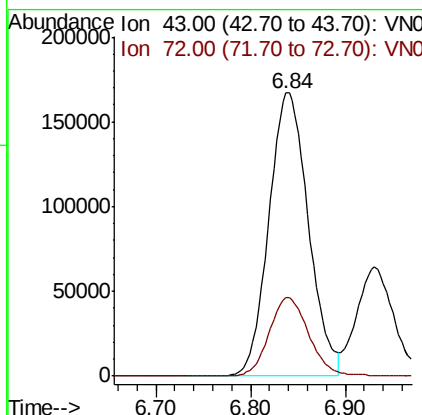
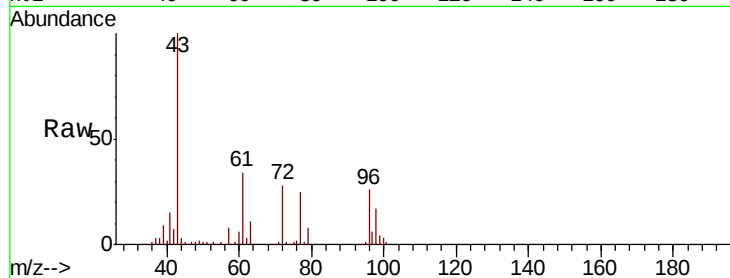




#25
2-Butanone
Concen: 263.512 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

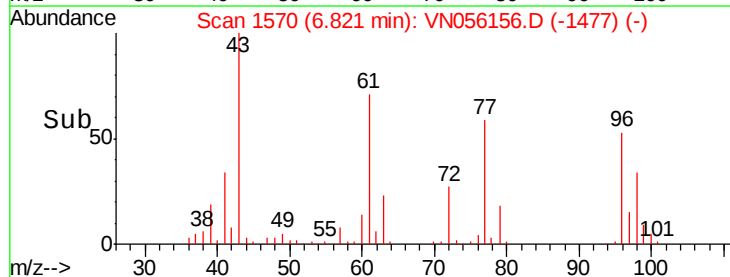
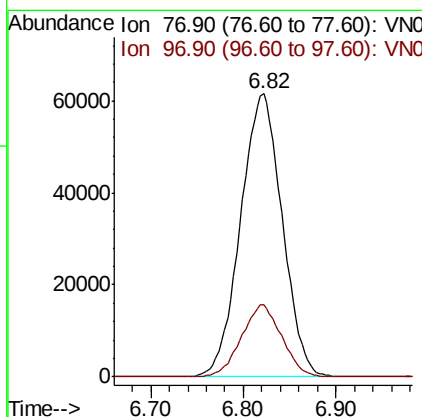
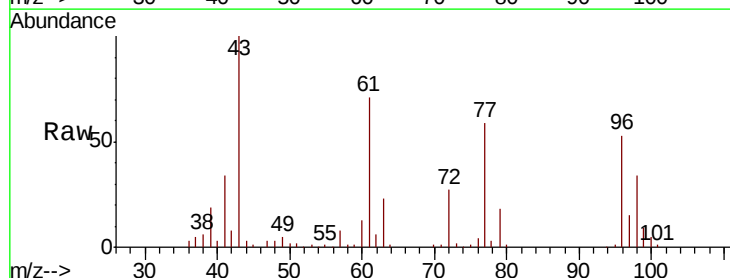
Instrument :
MSVOA_N
ClientSampleId :

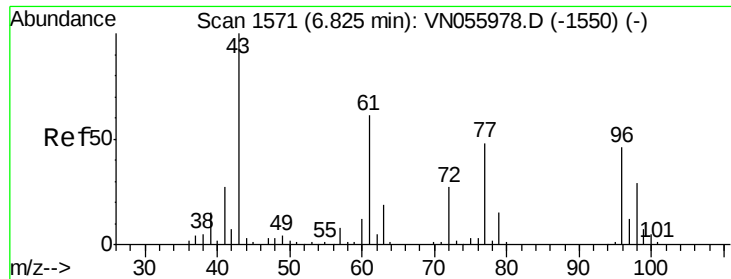
Tot Ion: 43 Resp: 481757
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 51.072 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 77 Resp: 191940
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.102 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :

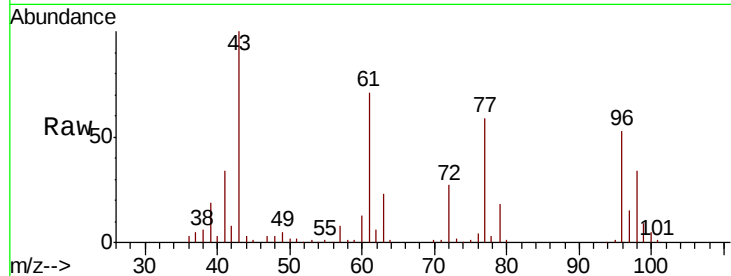
Tot Ion: 96 Resp: 161410

Ion Ratio Lower Upper

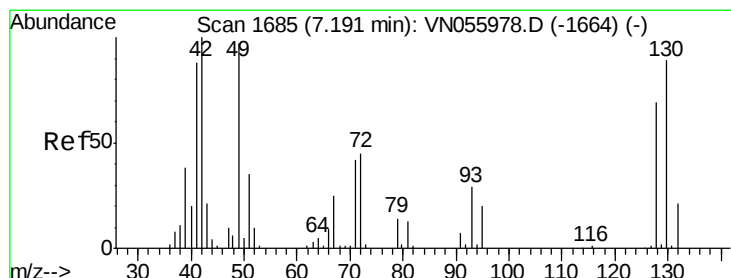
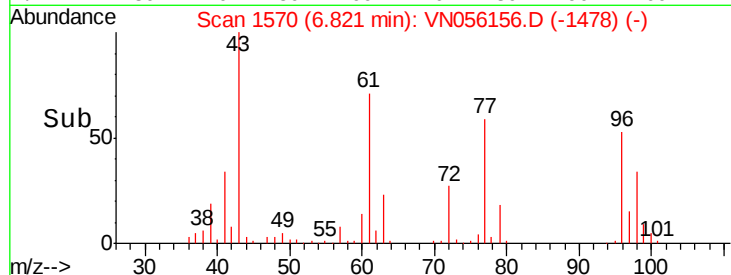
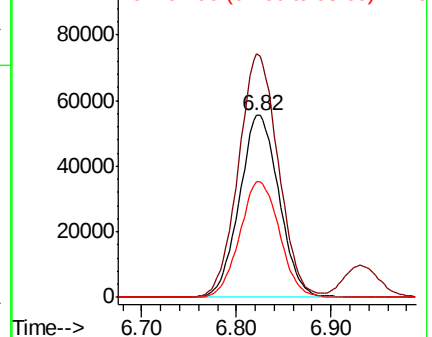
96 100

61 134.0 0.0 275.8

98 63.8 0.0 128.4



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



#28

Bromochloromethane

Concen: 51.341 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

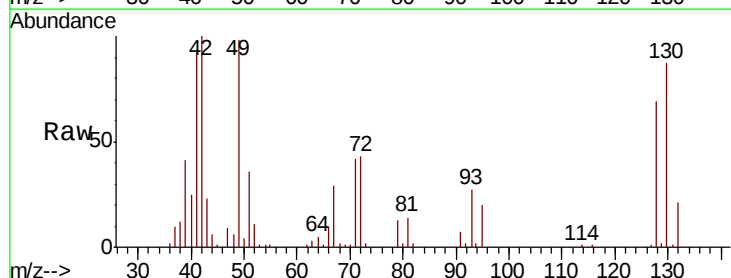
Tgt Ion: 49 Resp: 116936

Ion Ratio Lower Upper

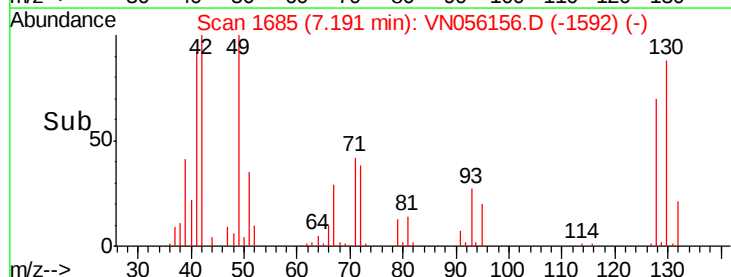
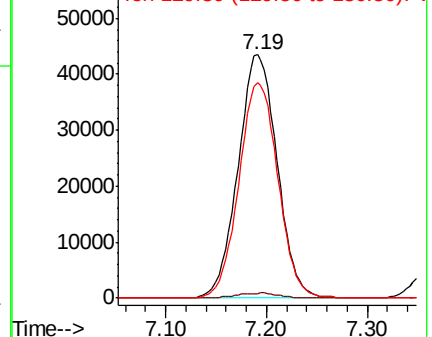
49 100

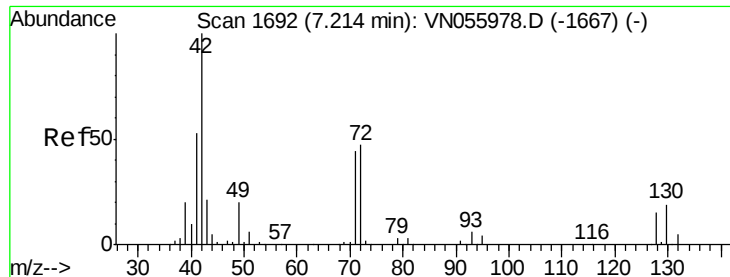
129 2.1 0.0 4.4

130 88.5 71.2 106.8



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

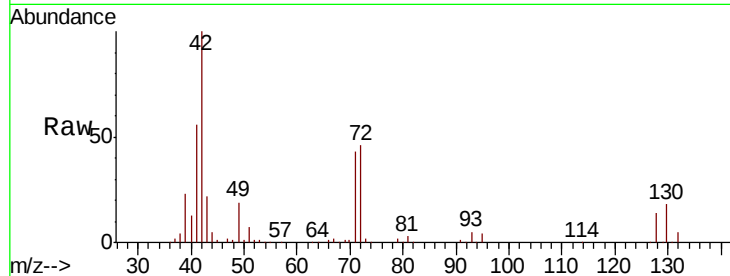




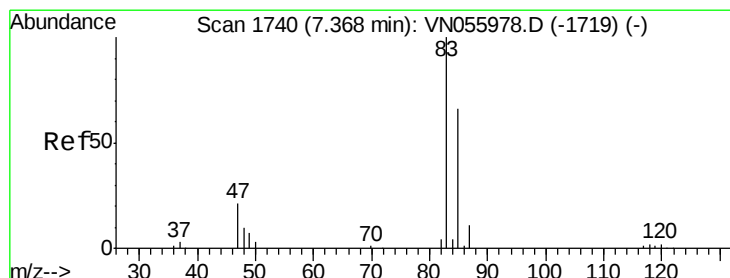
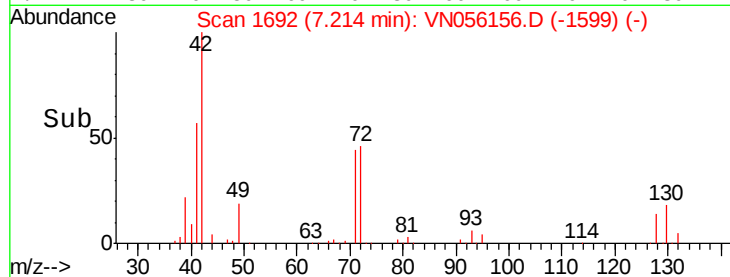
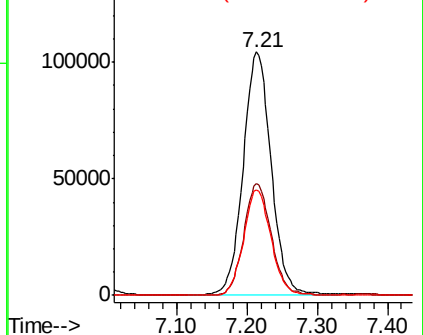
#29
Tetrahydrofuran
Concen: 256.424 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 289783
Ion Ratio Lower Upper
42 100
72 45.0 35.9 53.9
71 42.4 34.0 51.0

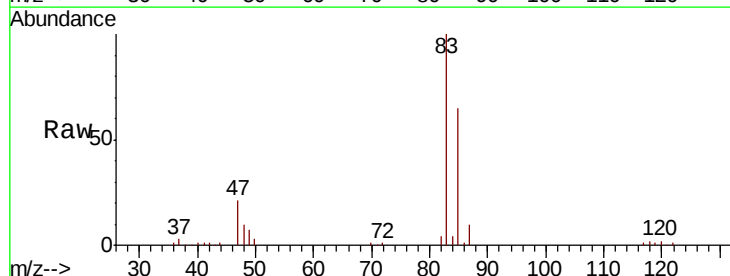


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

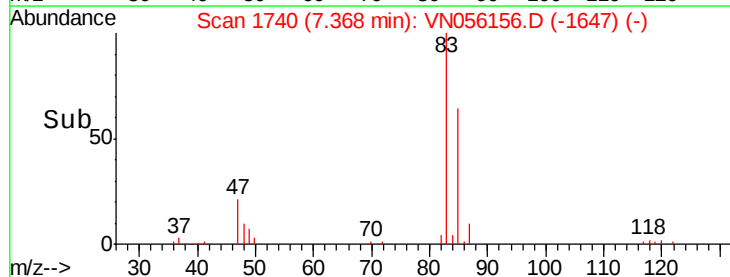
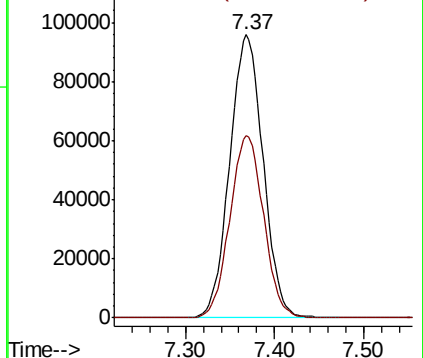


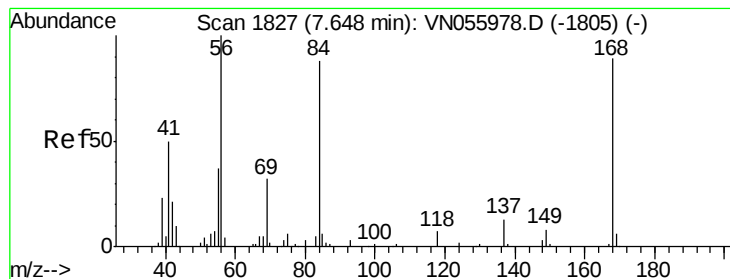
#30
Chloroform
Concen: 51.281 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 83 Resp: 248456
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.8



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





#31

Cyclohexane

Concen: 46.447 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :

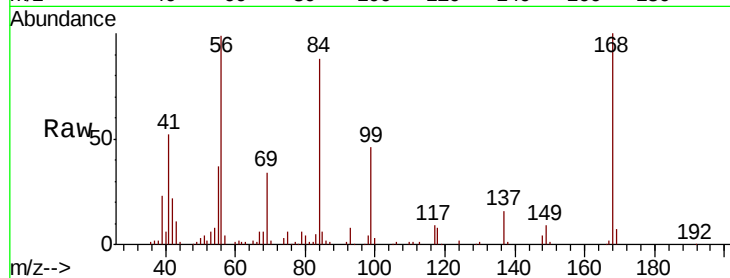
Tot Ion: 56 Resp: 222979

Ion Ratio Lower Upper

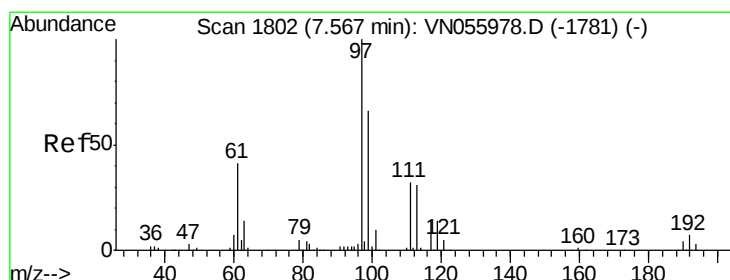
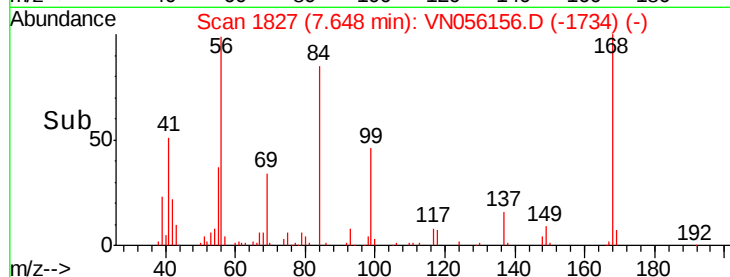
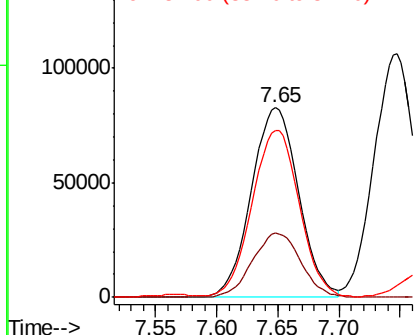
56 100

69 33.9 25.6 38.4

84 87.1 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 51.829 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

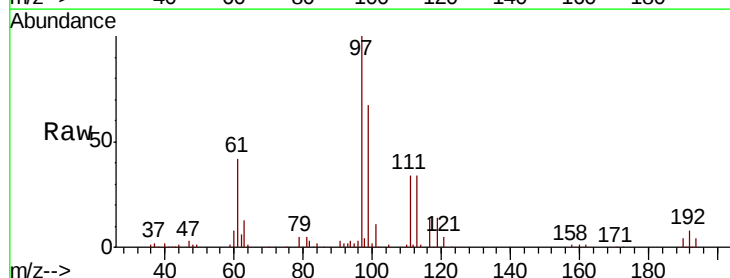
Tgt Ion: 97 Resp: 209694

Ion Ratio Lower Upper

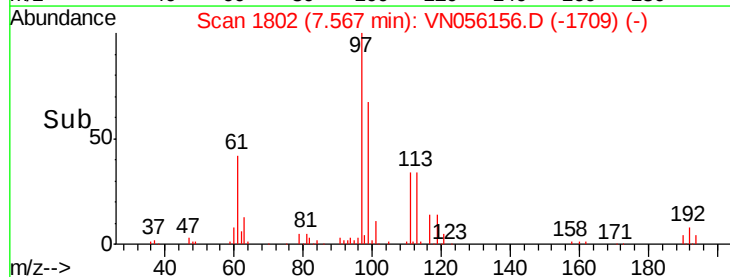
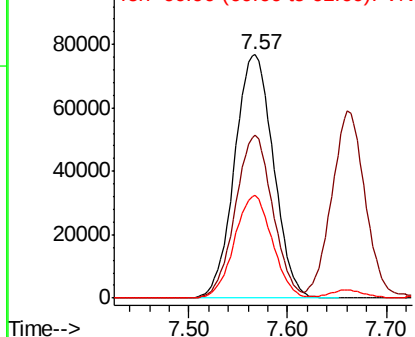
97 100

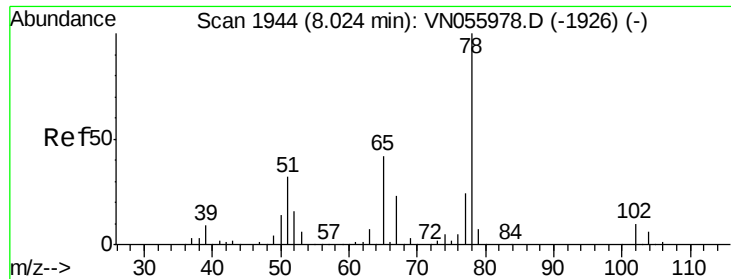
99 64.7 52.0 78.0

61 41.3 32.9 49.3



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

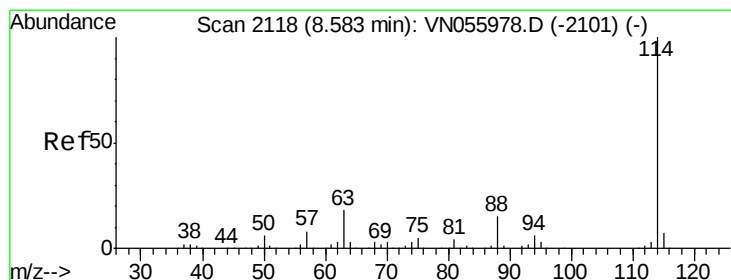
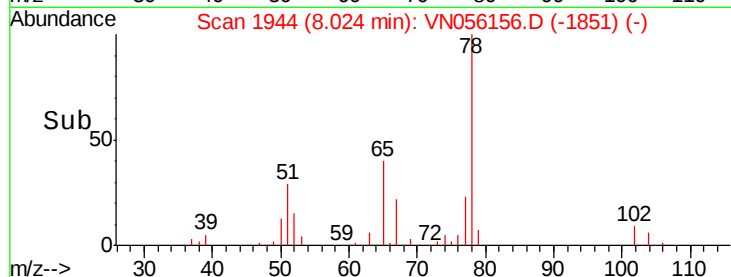
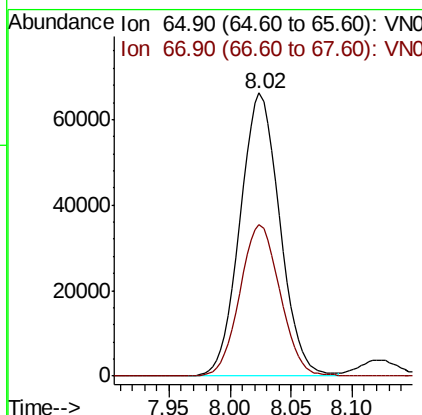
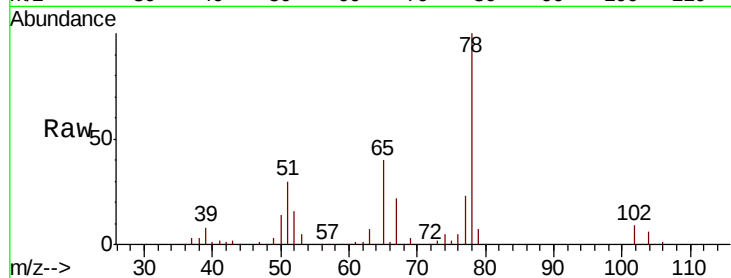




#33
 1,2-Dichloroethane-d4
 Concen: 49.314 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

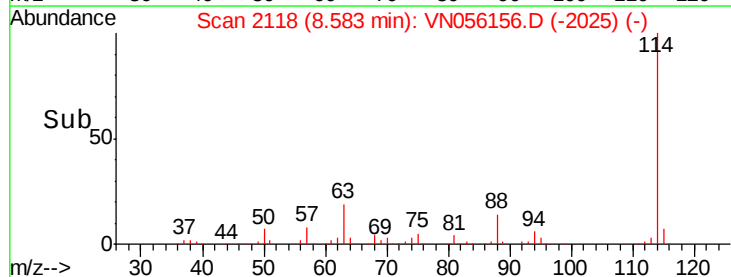
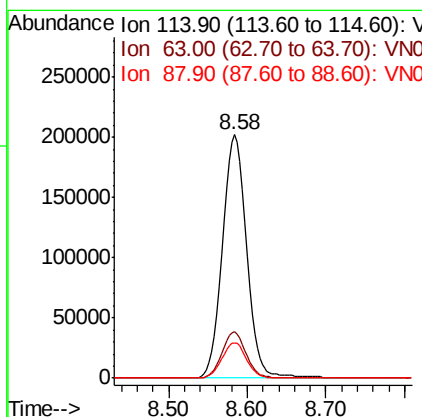
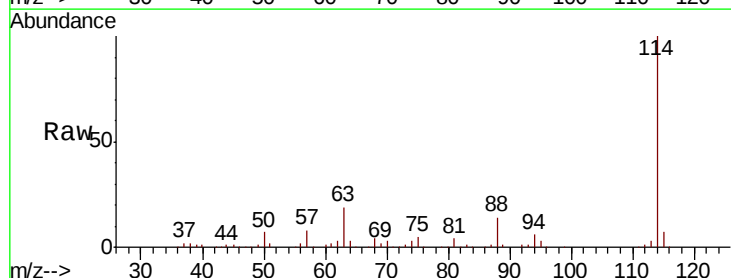
Instrument :
 MSVOA_N
 ClientSampleId :

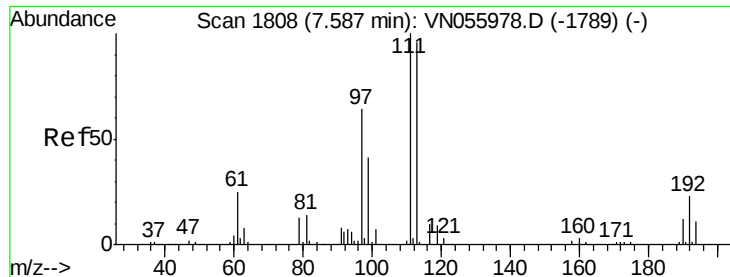
Tot Ion: 65 Resp: 149198
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion: 114 Resp: 428784
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 14.4 0.0 31.0

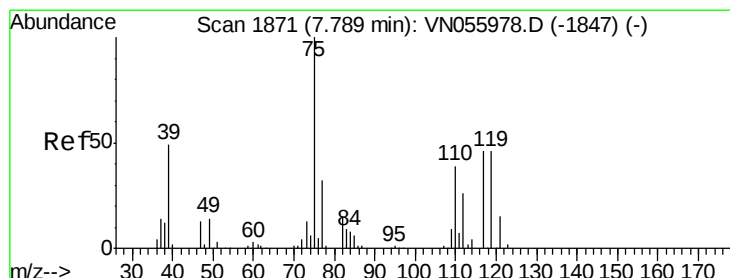
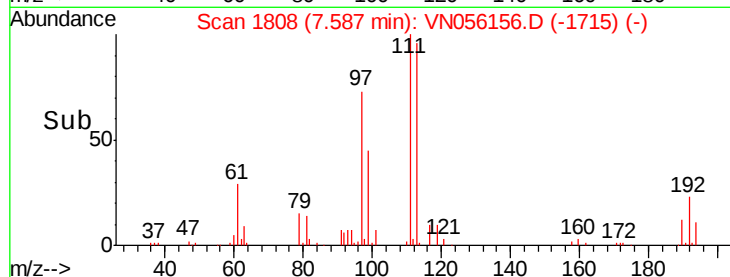
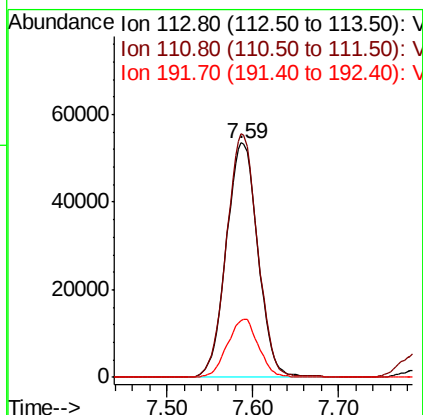
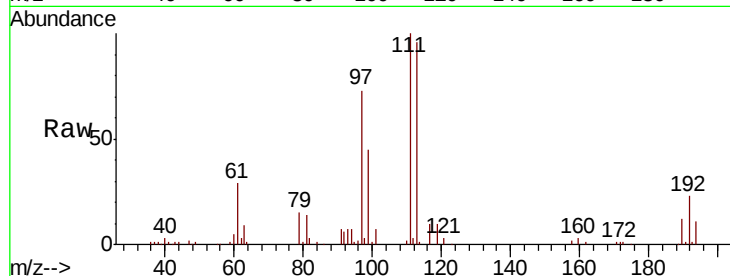




#35
 Dibromofluoromethane
 Concen: 52.007 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

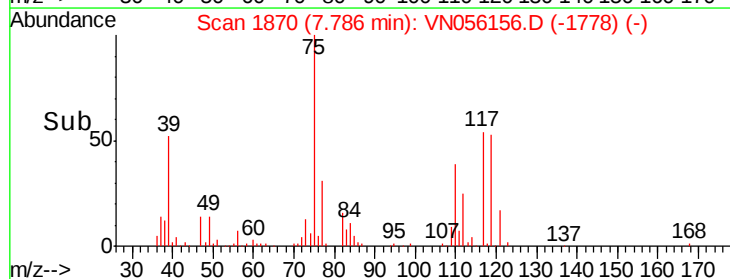
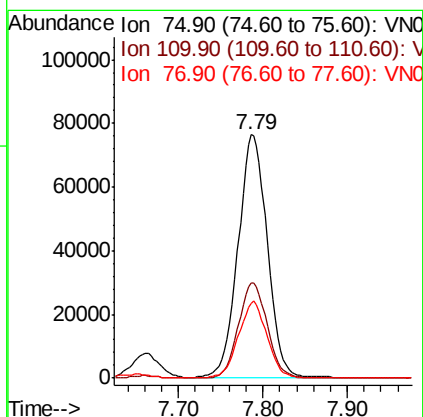
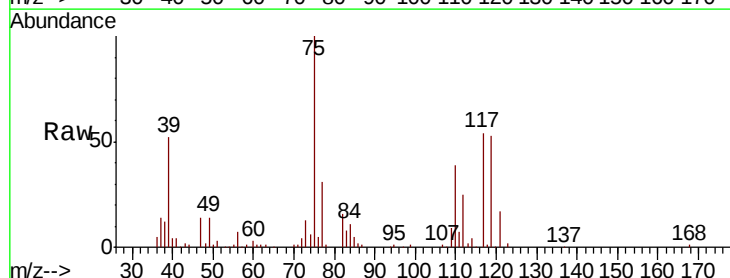
Instrument :
 MSVOA_N
 ClientSampleId :

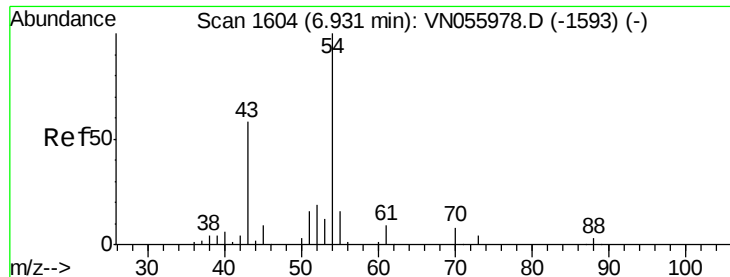
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	24.3	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 50.036 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.0	57.0
77	30.9	25.1	37.7

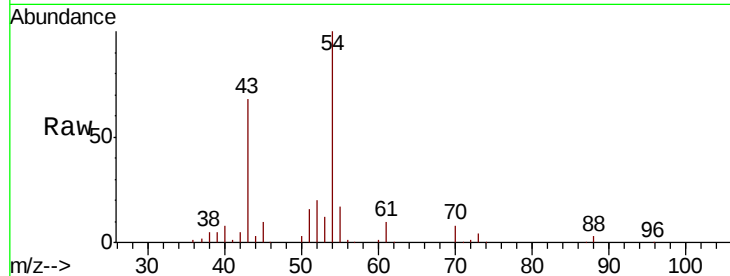




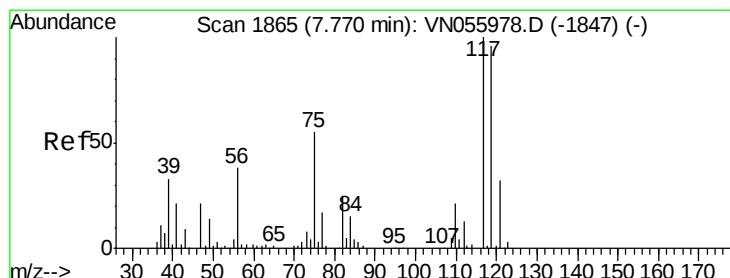
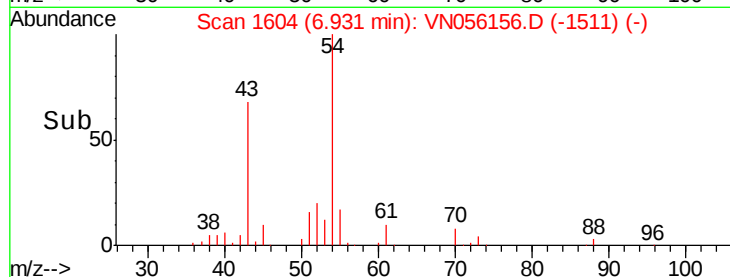
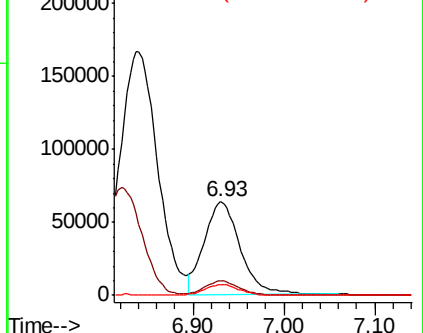
#37
Ethyl Acetate
Concen: 53.420 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 175244
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 11.0 8.9 13.3

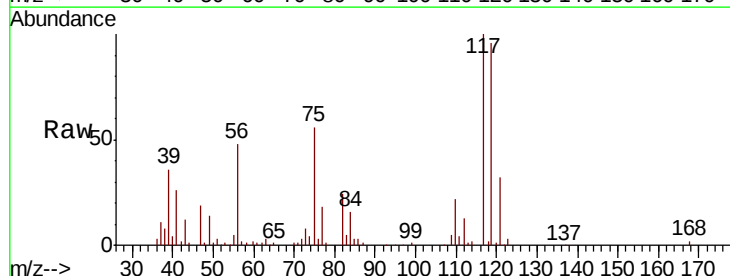


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

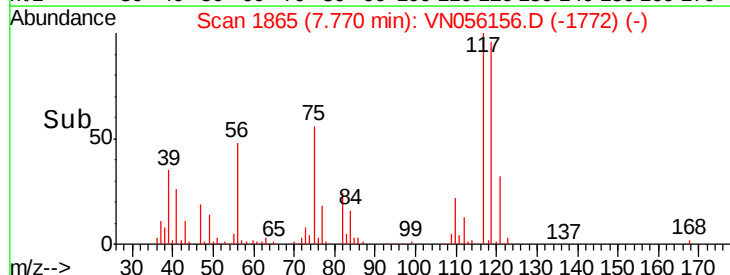
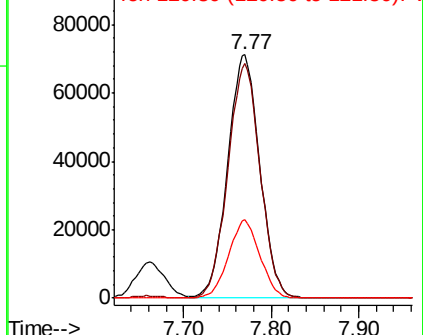


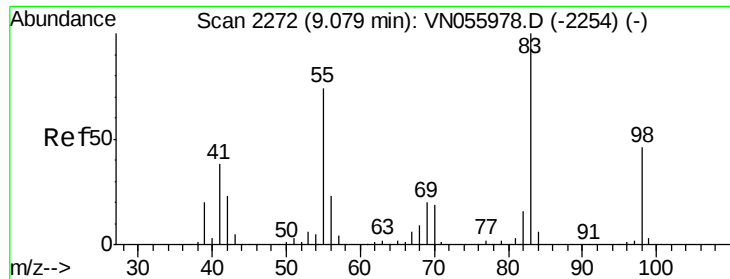
#38
Carbon Tetrachloride
Concen: 53.452 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 117 Resp: 181693
Ion Ratio Lower Upper
117 100
119 96.3 79.0 118.6
121 32.3 24.7 37.1



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

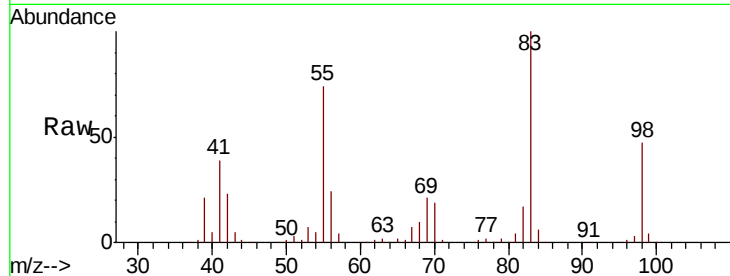




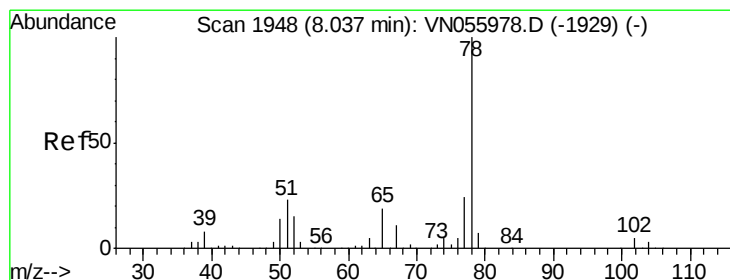
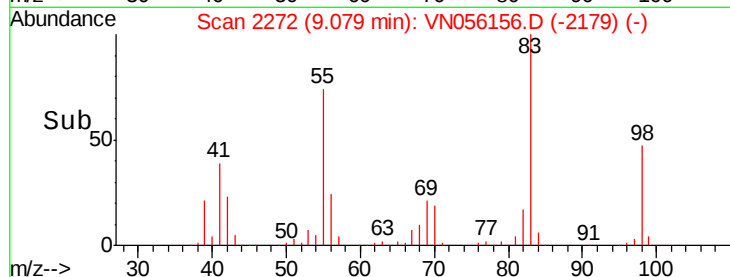
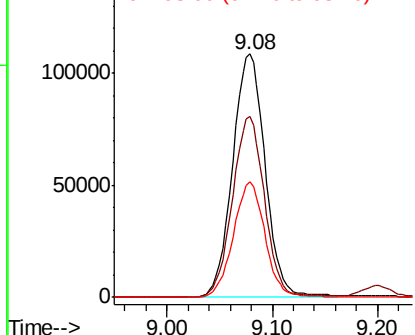
#39
Methvlcvclohexane
Concen: 50.666 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 232704
Ion Ratio Lower Upper
83 100
55 74.1 59.3 88.9
98 47.4 36.6 54.8

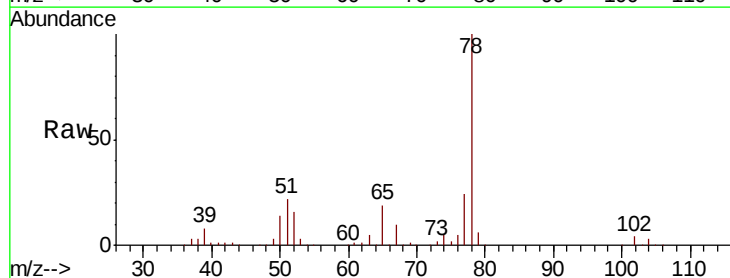


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

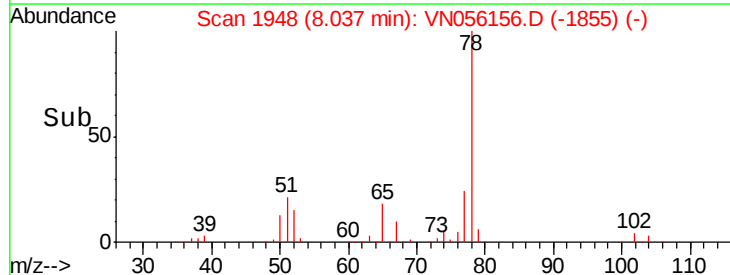
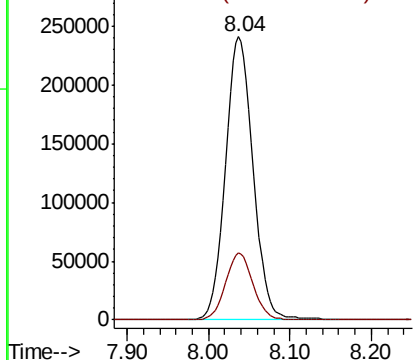


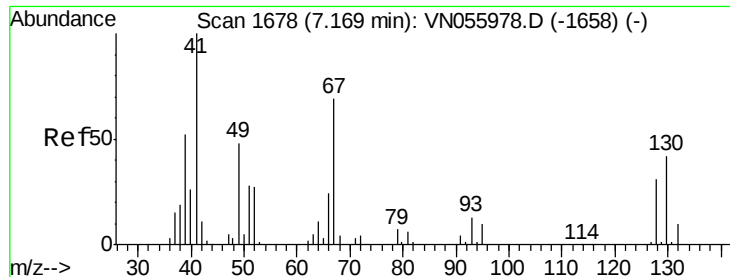
#40
Benzene
Concen: 51.334 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 78 Resp: 574841
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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

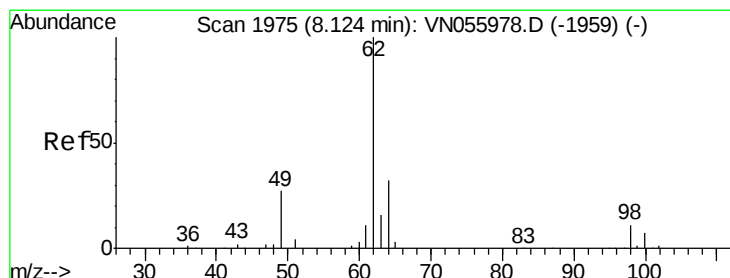
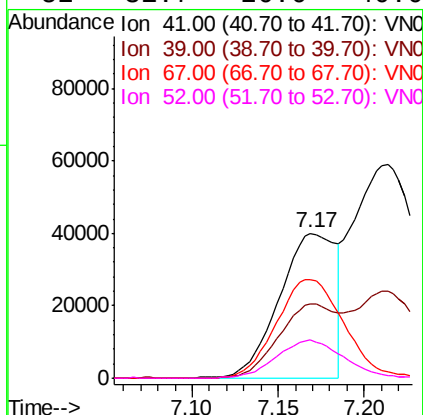
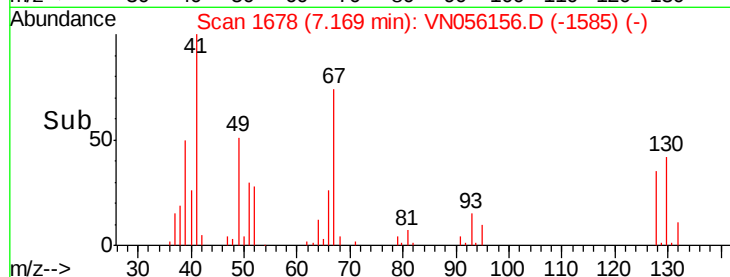
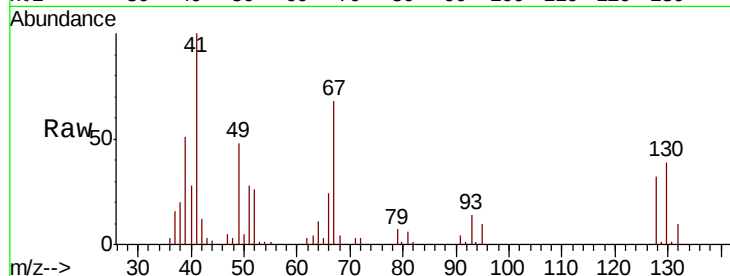




#41
Methacrylonitrile
Concen: 60.532 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

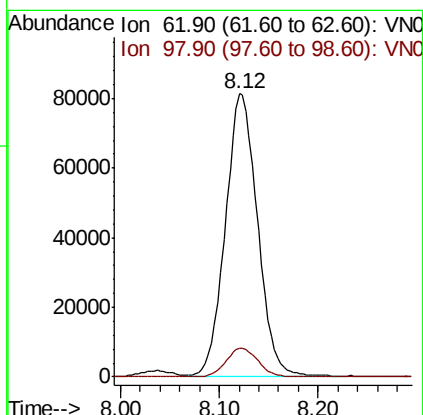
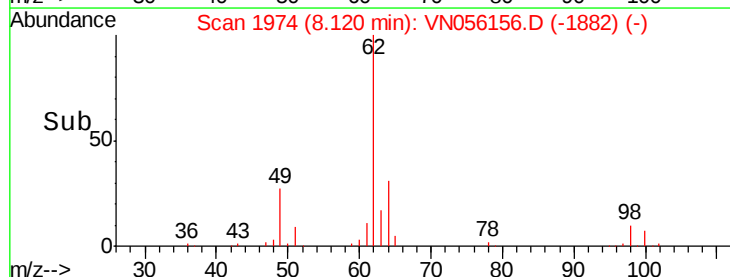
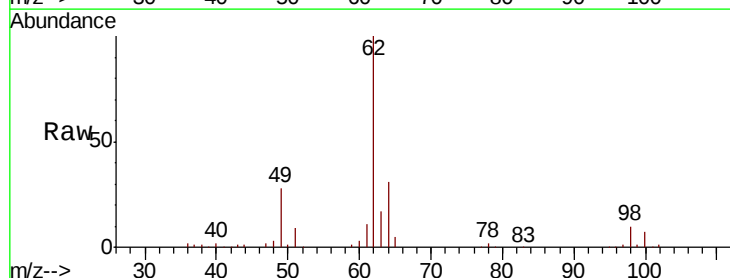
Instrument :
MSVOA_N
ClientSampled :

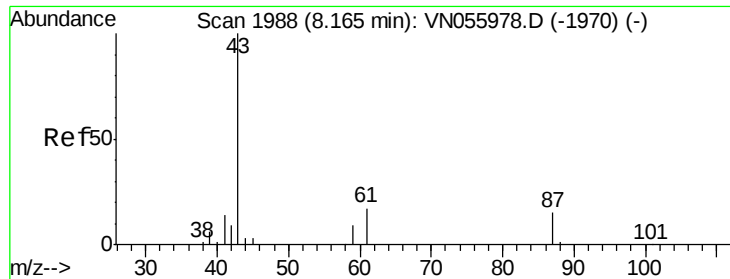
Tot Ion: 41 Resp: 91363
Ion Ratio Lower Upper
41 100
39 55.0 45.6 68.4
67 82.5 67.7 101.5
52 31.7 26.6 40.0



#42
1,2-Dichloroethane
Concen: 51.295 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 62 Resp: 184765
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 51.398 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

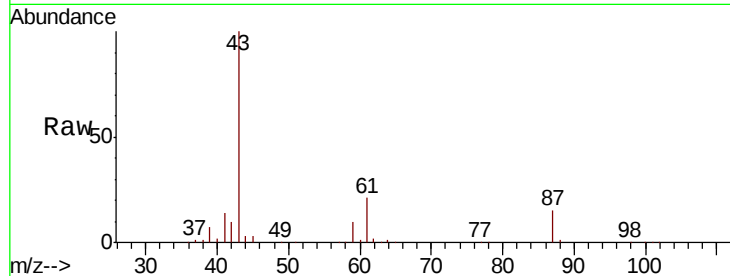
Tot Ion: 43 Resp: 273228

Ion Ratio Lower Upper

43 100

61 21.3 22.2 33.4#

87 14.6 11.4 17.2

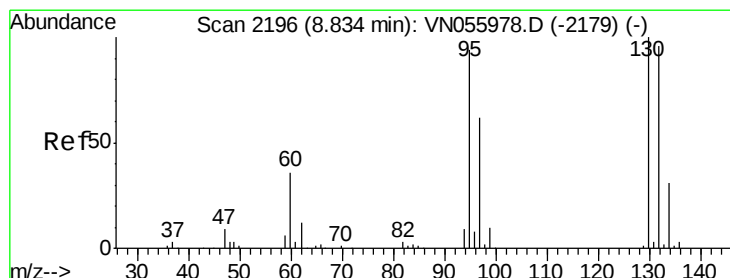
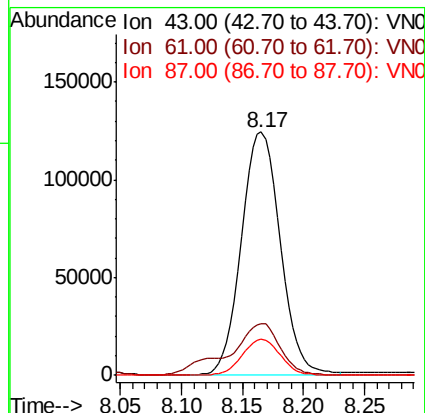
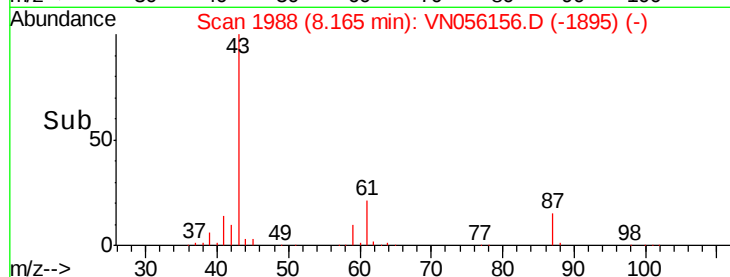


Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

Time-->



#44

Trichloroethene

Concen: 50.835 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056156.D

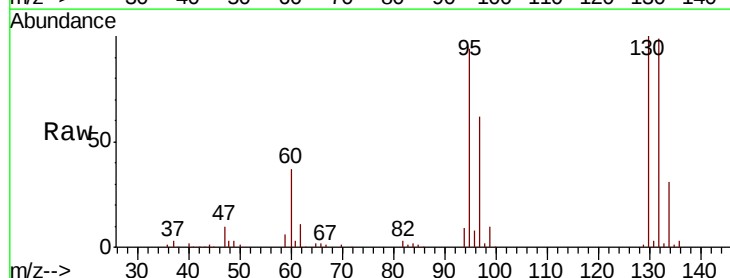
Acq: 10 Jun 2019 9:25

Tgt Ion:130 Resp: 163575

Ion Ratio Lower Upper

130 100

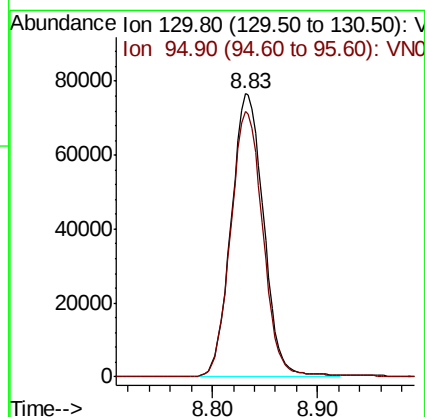
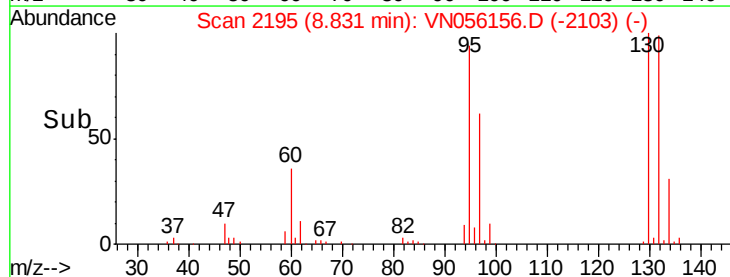
95 93.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Time-->

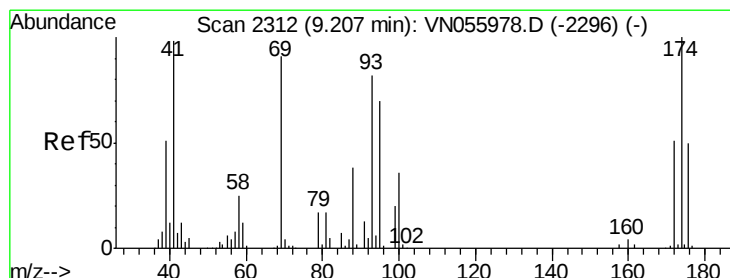
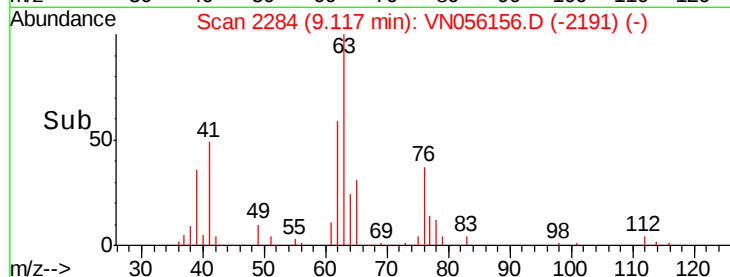
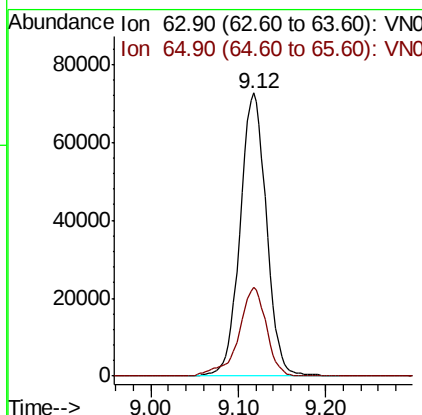
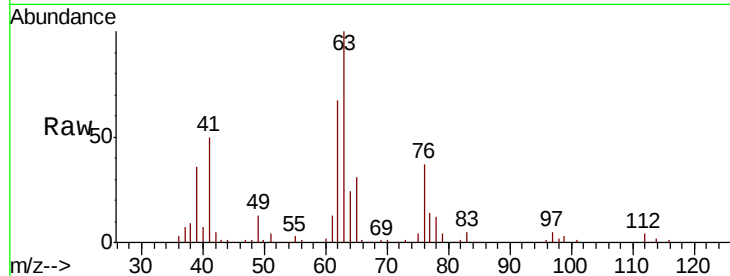




#45
 1,2-Dichloropropane
 Concen: 53.022 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

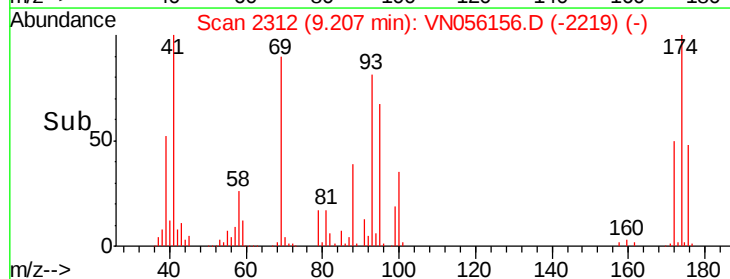
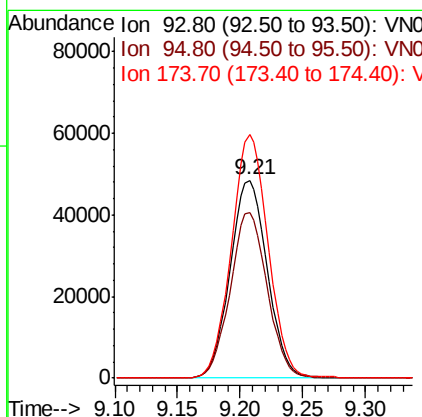
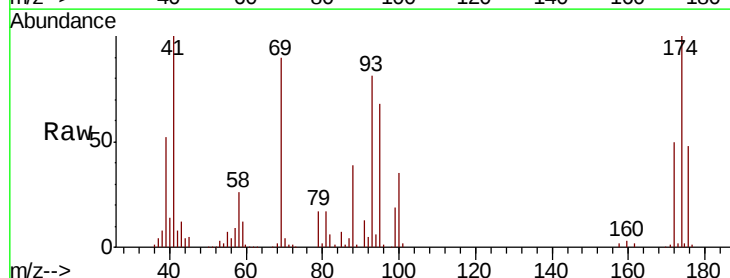
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 152082
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8



#46
 Dibromomethane
 Concen: 53.279 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion: 93 Resp: 99933
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 121.8 96.4 144.6





#47

Bromodichloromethane

Concen: 55.700 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :

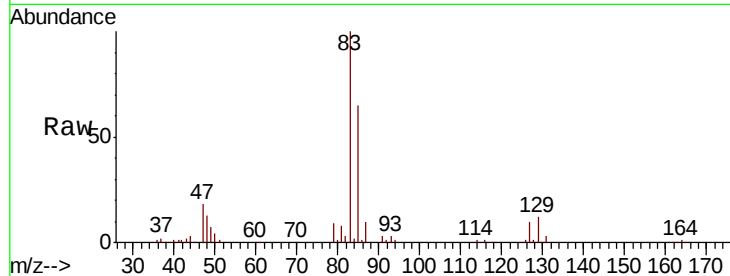
Tot Ion: 83 Resp: 189350

Ion Ratio Lower Upper

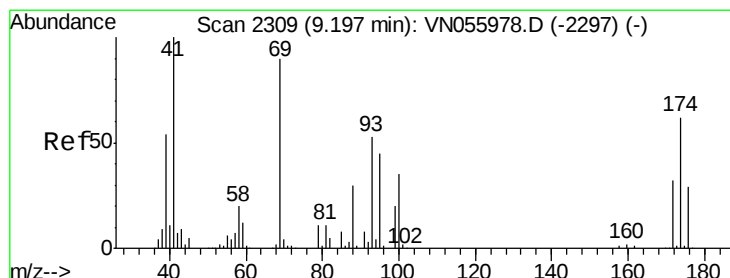
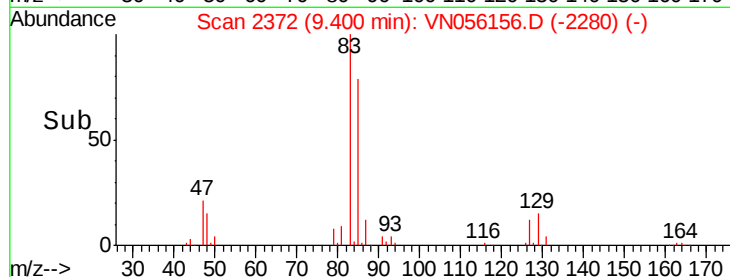
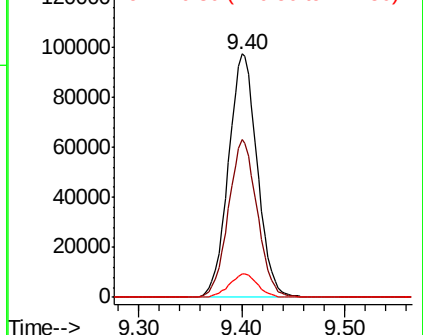
83 100

85 64.8 52.2 78.2

127 9.6 7.4 11.0



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: 53.927 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

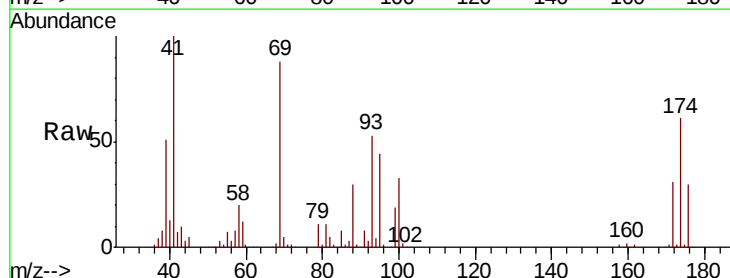
Tgt Ion: 41 Resp: 140247

Ion Ratio Lower Upper

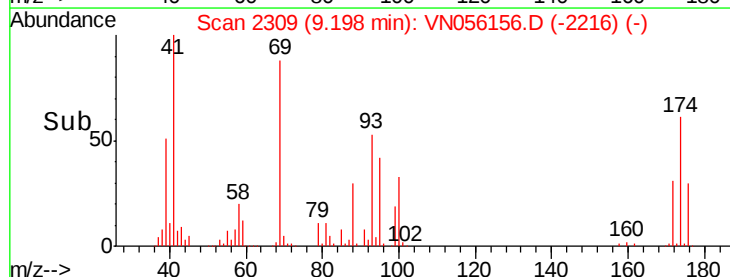
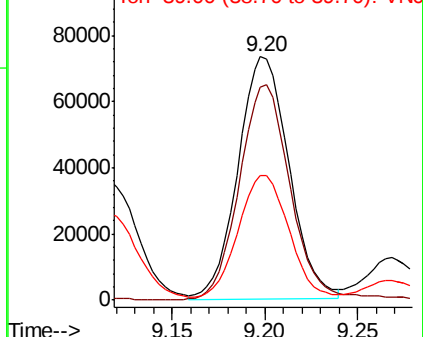
41 100

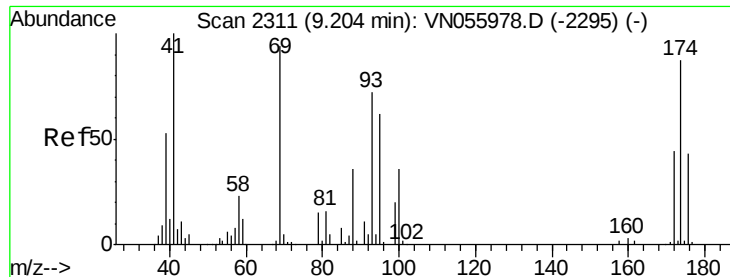
69 90.4 71.0 106.6

39 51.8 44.2 66.2



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

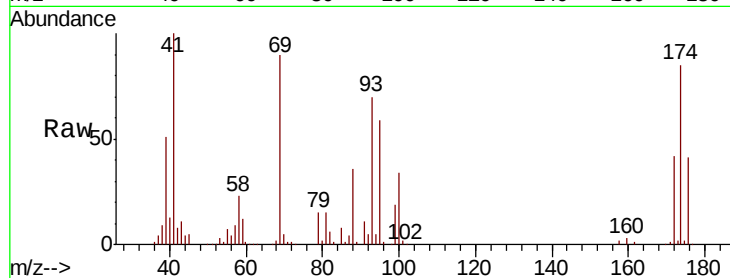




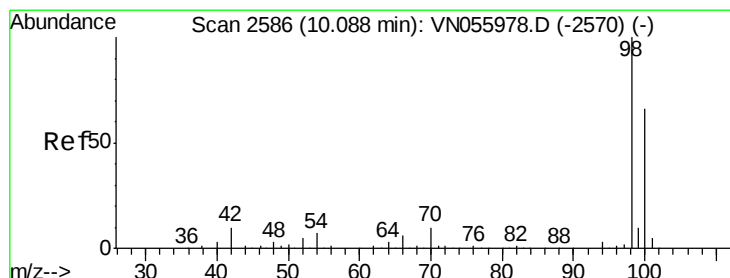
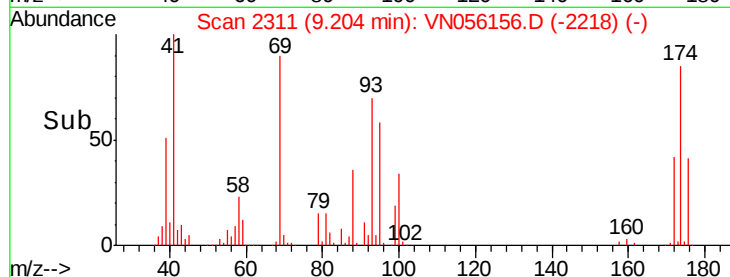
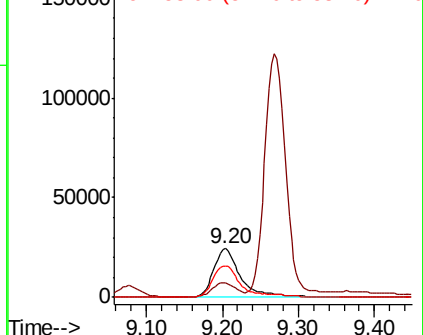
#49
 1,4-Dioxane
 Concen: 1088.749 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 61129
 Ion Ratio Lower Upper
 88 100
 43 24.8 20.5 30.7
 58 67.5 55.8 83.6

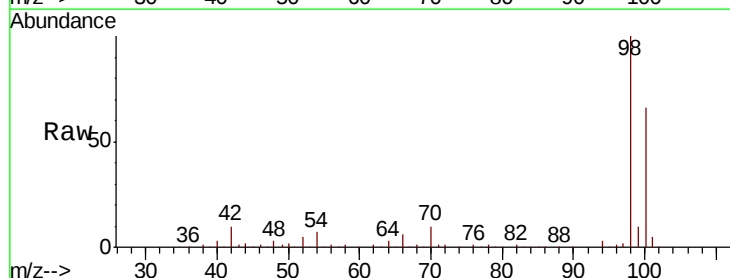


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

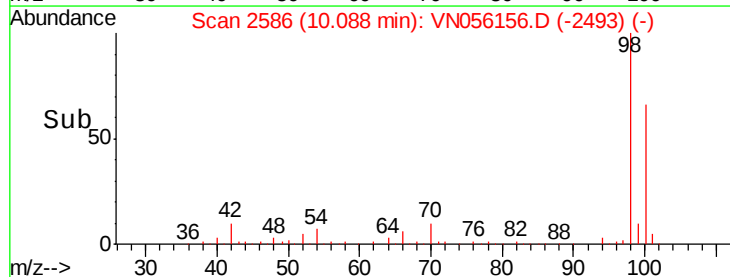
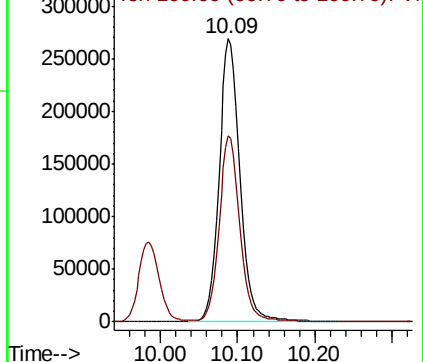


#50
 Toluene-d8
 Concen: 50.223 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion: 98 Resp: 508410
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 269.148 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

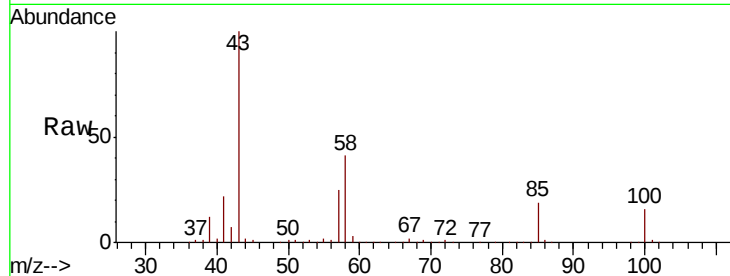
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 894734

Ion Ratio Lower Upper

43 100

58 40.3 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

500000

400000

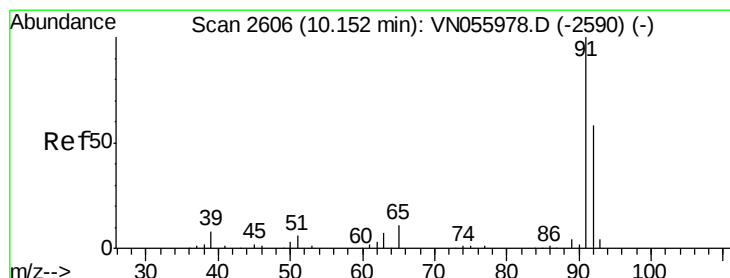
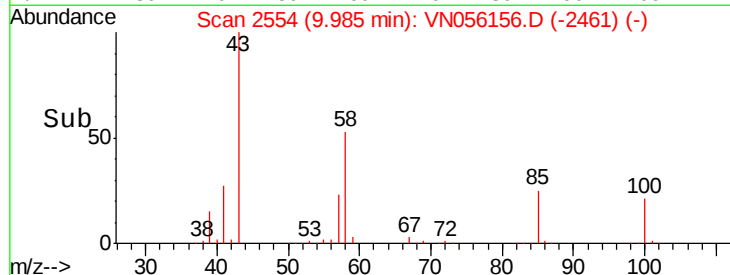
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.123 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056156.D

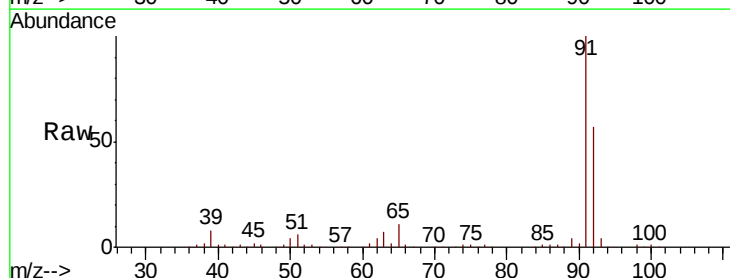
Acq: 10 Jun 2019 9:25

Tgt Ion: 92 Resp: 363199

Ion Ratio Lower Upper

92 100

91 174.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.15

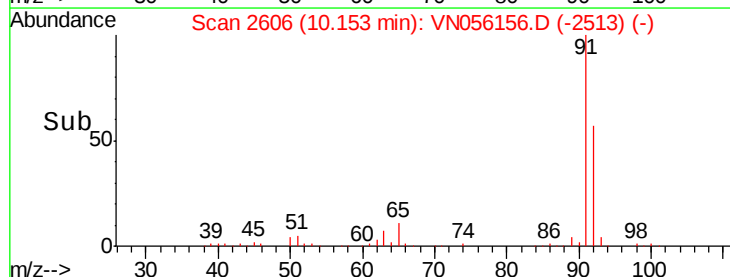
300000

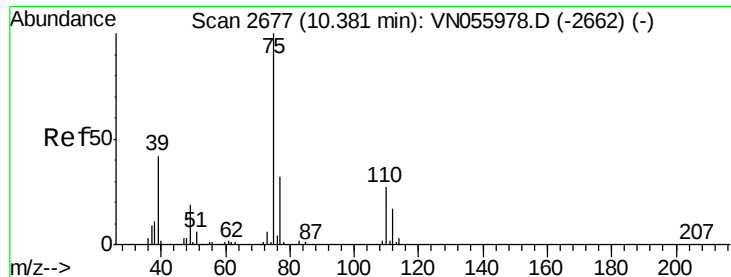
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.889 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

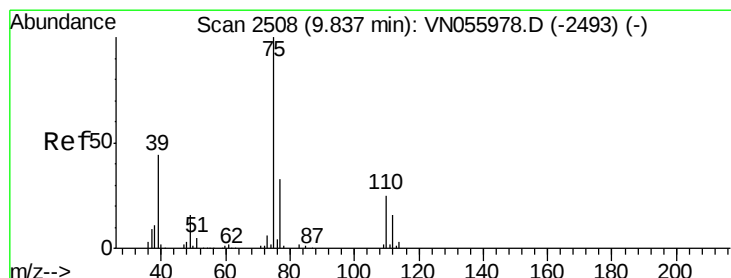
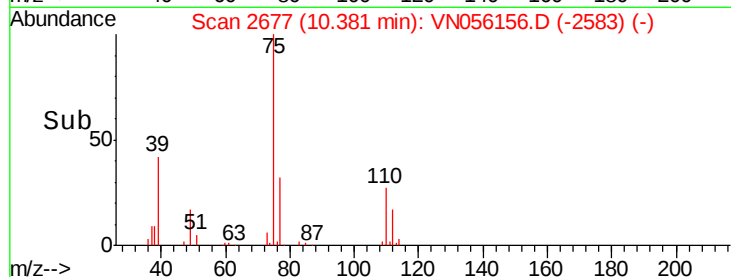
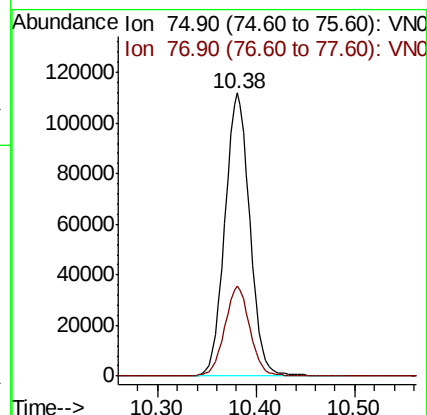
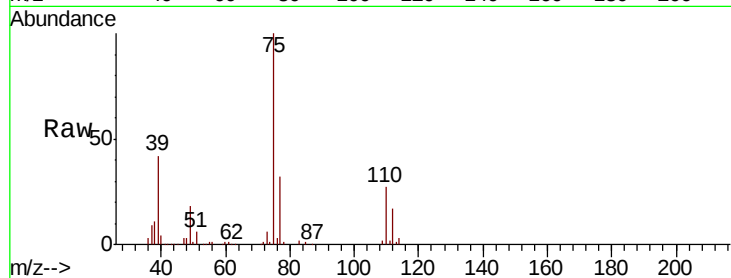
ClientSampled :

Tot Ion: 75 Resp: 198814

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 55.248 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

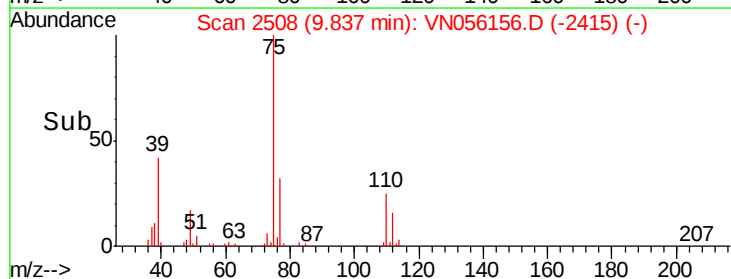
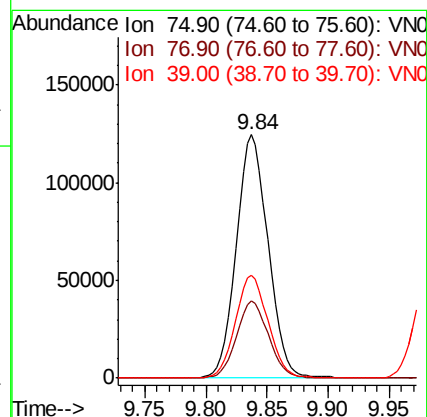
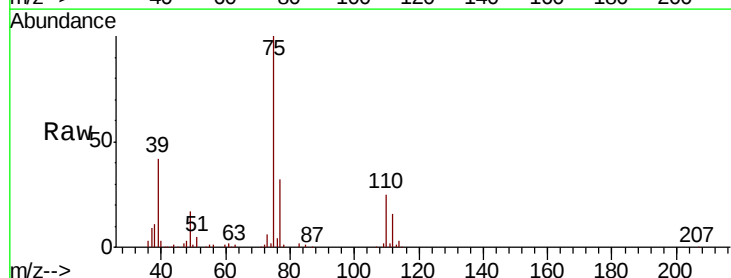
Tgt Ion: 75 Resp: 225756

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 42.5 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 52.750 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 145601

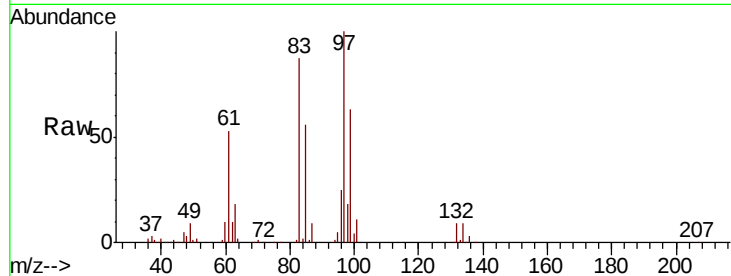
Ion Ratio Lower Upper

97 100

83 86.5 67.0 100.6

85 55.8 44.0 66.0

99 63.2 50.6 75.8

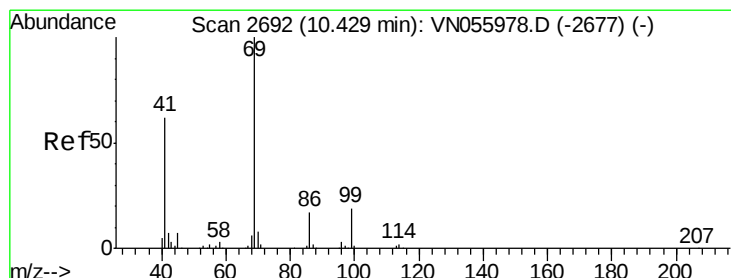
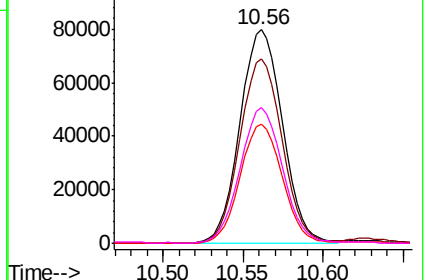
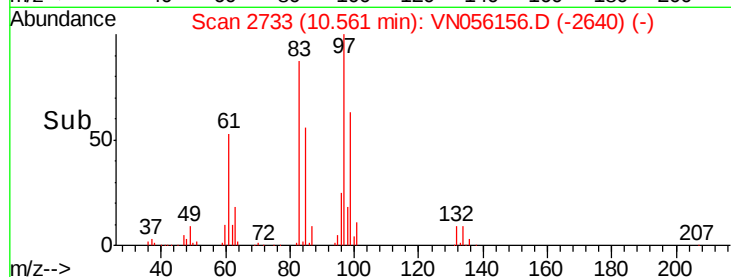


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.436 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

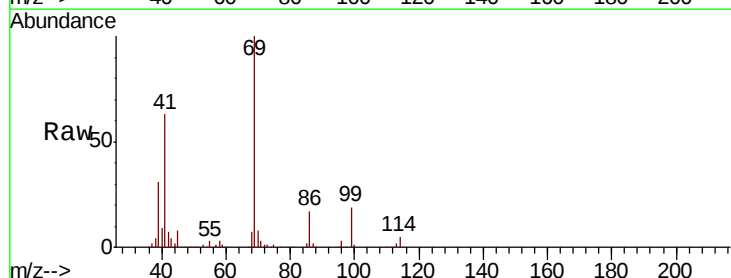
Tgt Ion: 69 Resp: 215175

Ion Ratio Lower Upper

69 100

41 62.5 49.7 74.5

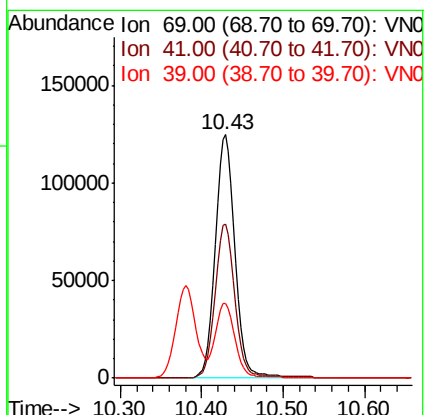
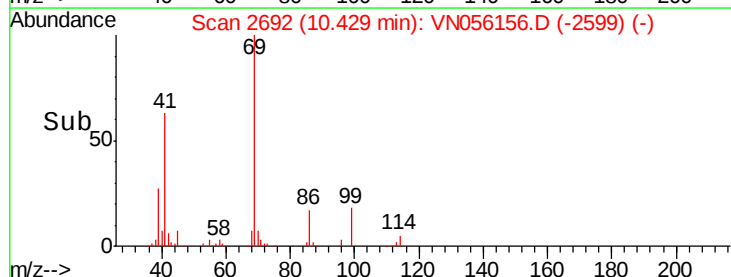
39 29.9 24.7 37.1

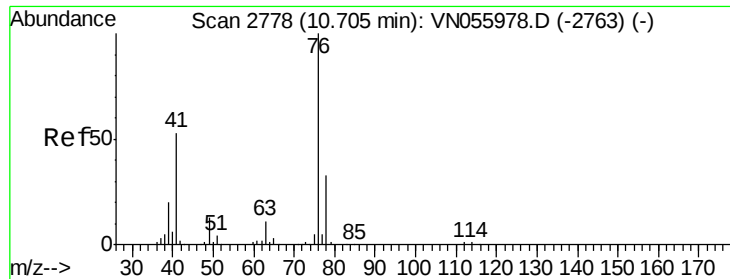


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

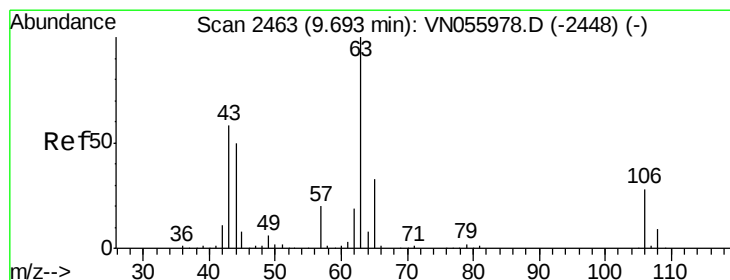
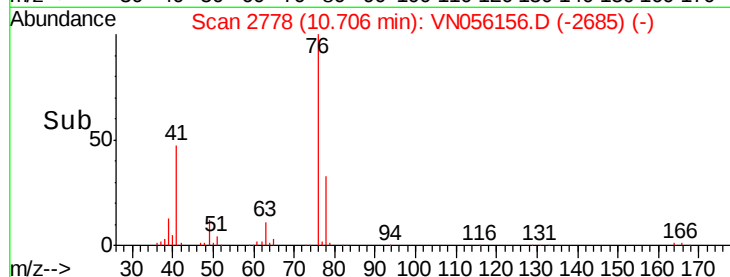
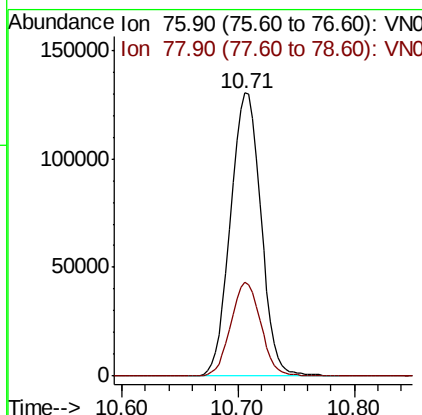
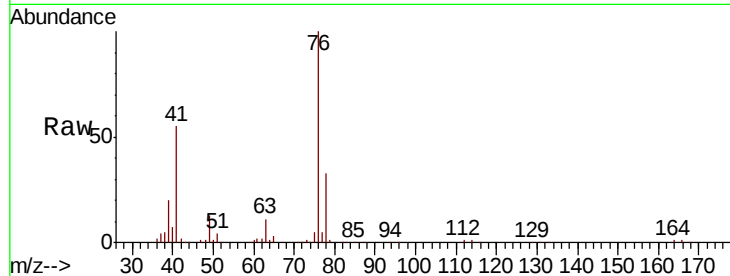




#57
 1,3-Dichloropropane
 Concen: 52.884 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

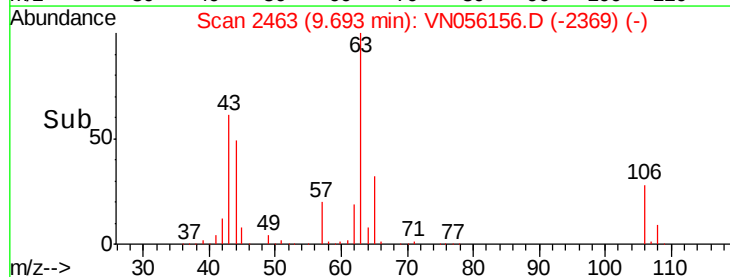
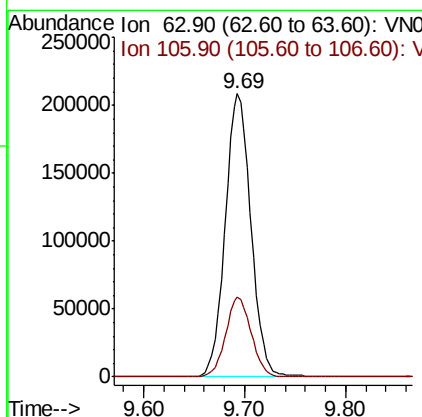
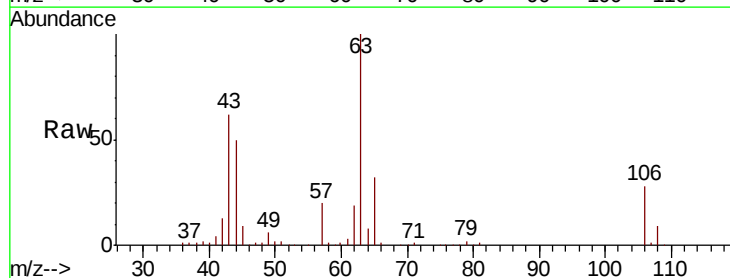
Instrument :
 MSVOA_N
 ClientSampled :

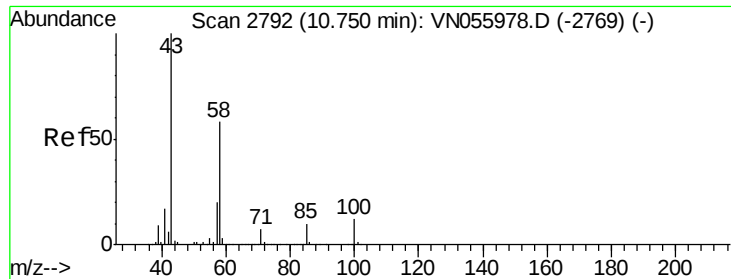
Tot Ion: 76 Resp: 237292
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.519 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion: 63 Resp: 371165
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1

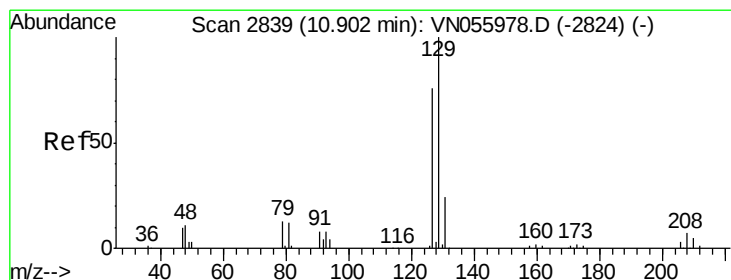
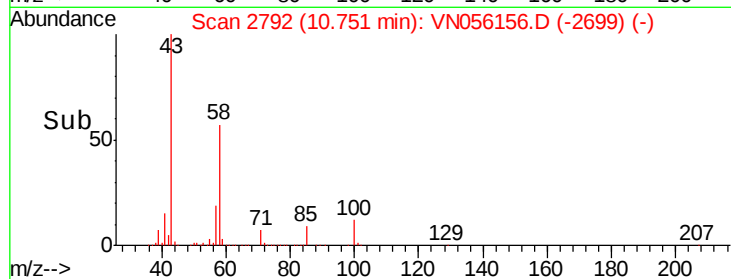
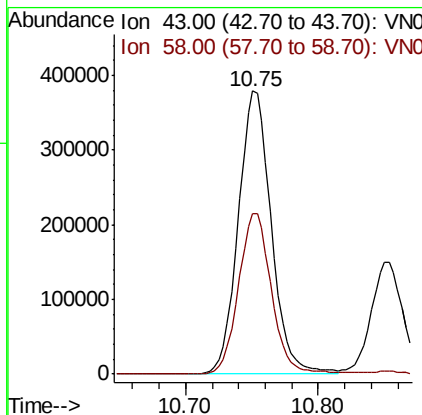
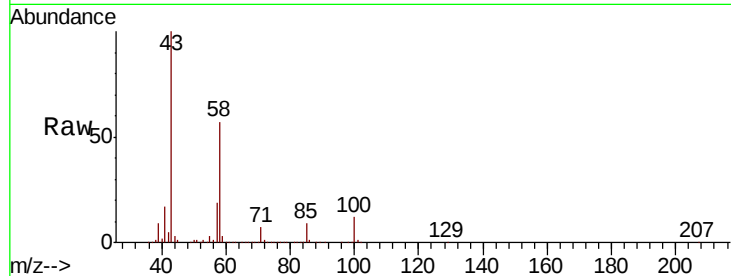




#59
2-Hexanone
Concen: 271.156 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

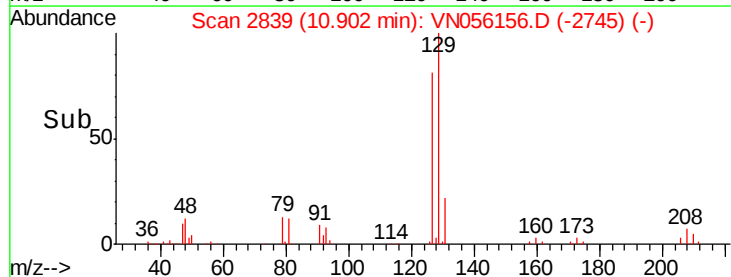
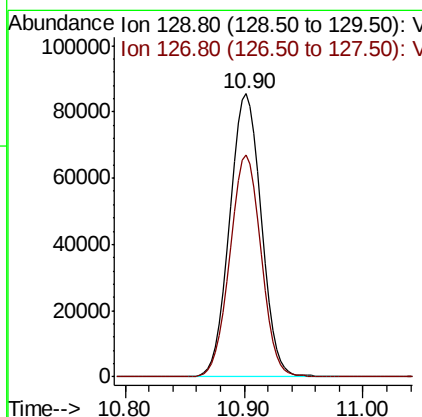
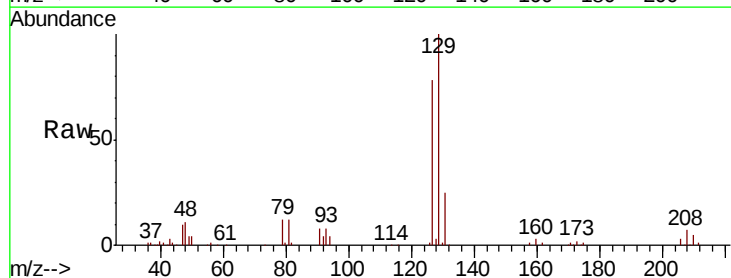
Instrument :
MSVOA_N
ClientSampleId :

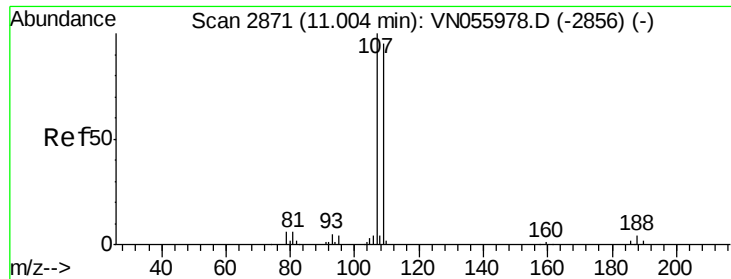
Tot Ion: 43 Resp: 653321
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7



#60
Dibromochloromethane
Concen: 51.835 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 129 Resp: 158087
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 53.434 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

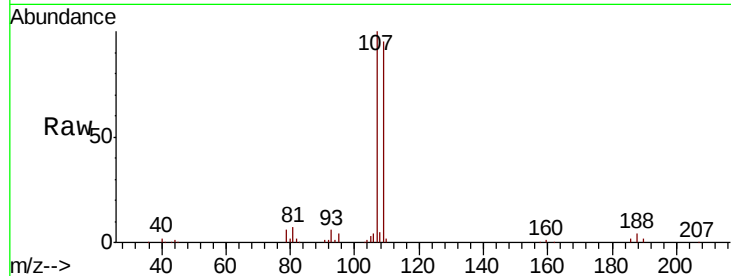
ClientSampleId :

Tot Ion:107 Resp: 150777

Ion Ratio Lower Upper

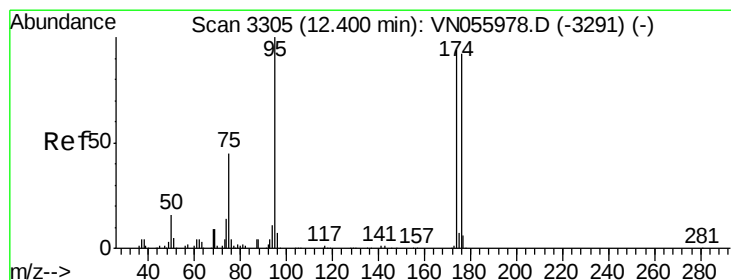
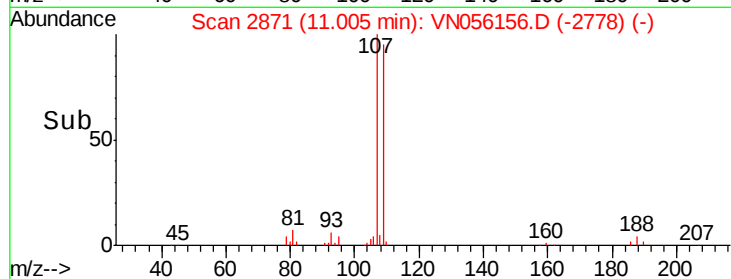
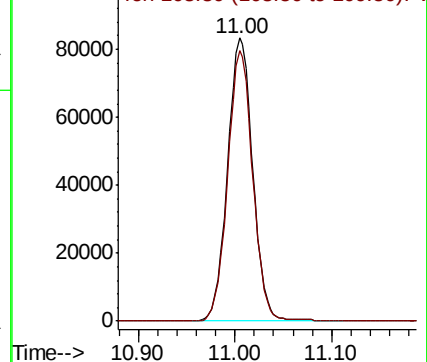
107 100

109 95.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.623 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

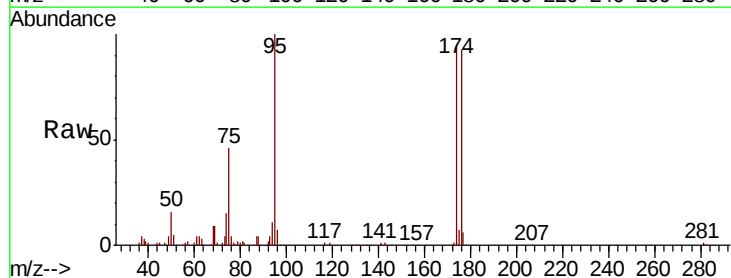
Tgt Ion: 95 Resp: 181159

Ion Ratio Lower Upper

95 100

174 95.5 0.0 191.0

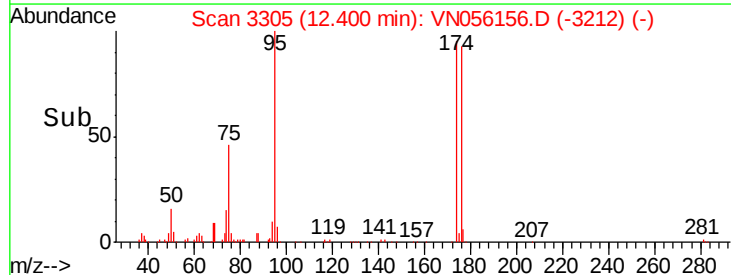
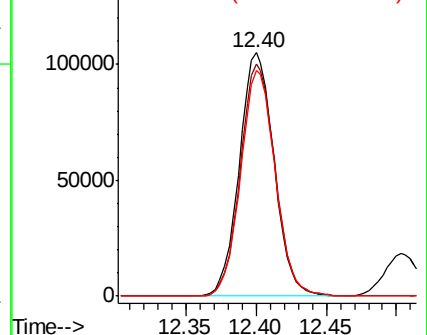
176 92.6 0.0 185.2

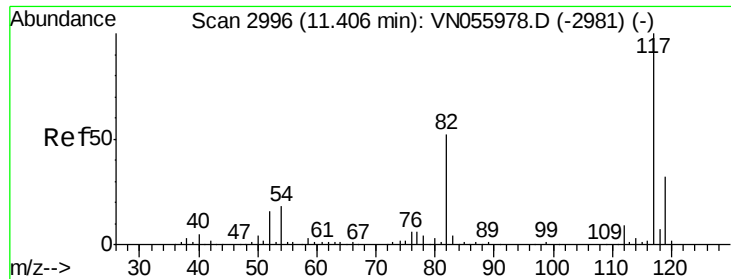


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

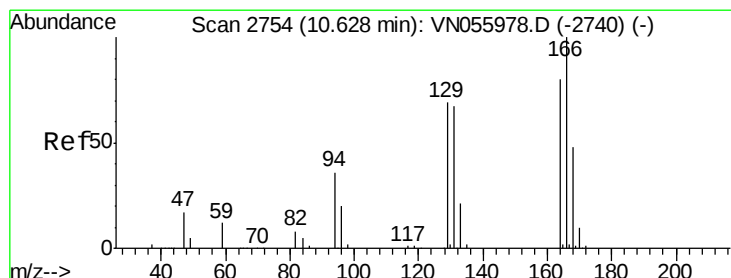
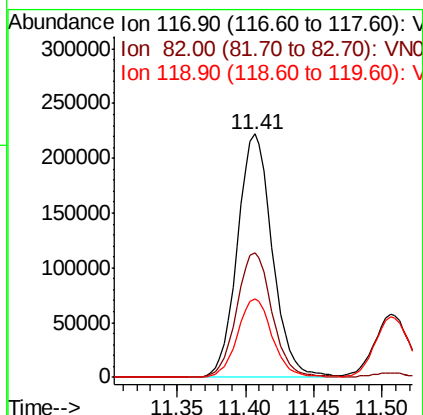
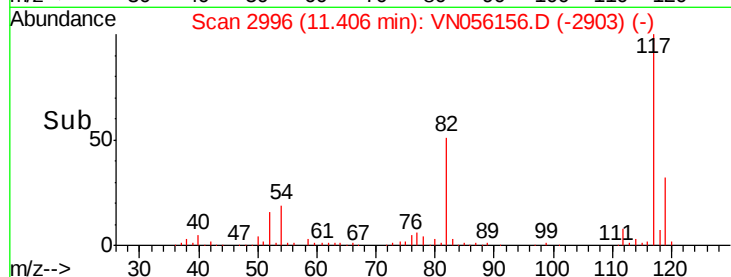
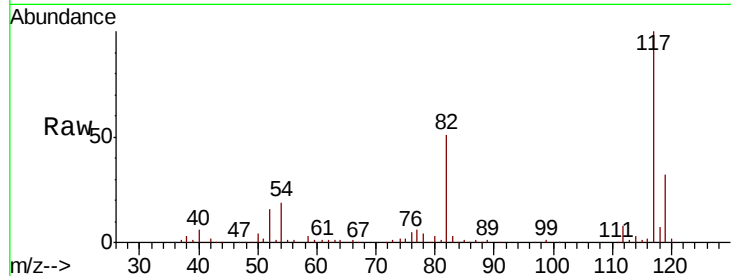




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

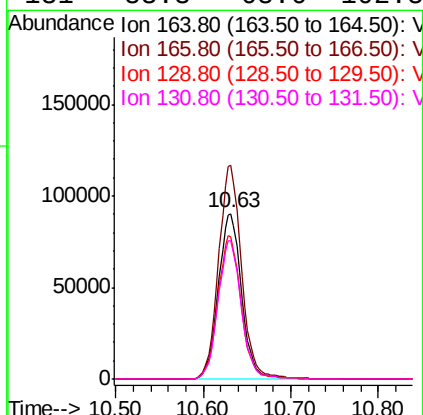
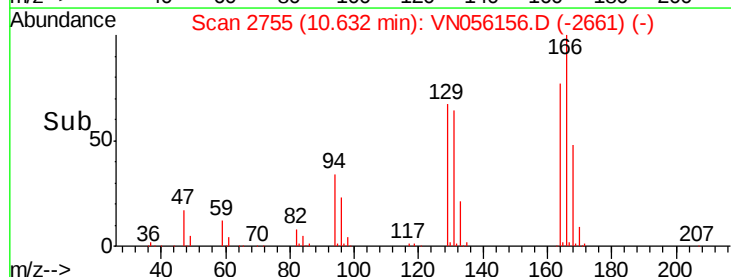
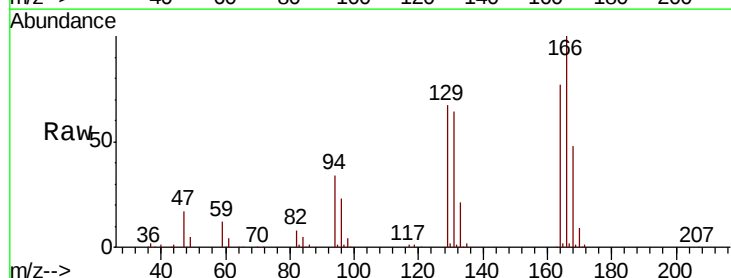
Instrument :
MSVOA_N
ClientSampleId :

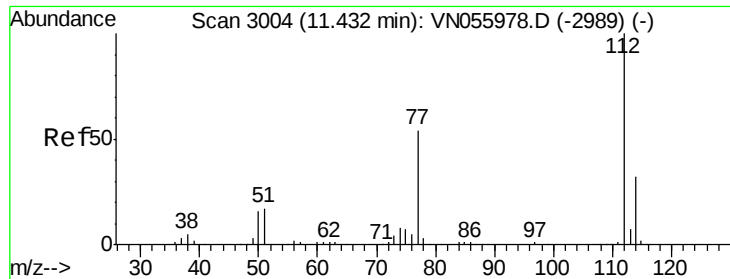
Tot Ion:117 Resp: 394515
Ion Ratio Lower Upper
117 100
82 51.3 41.8 62.8
119 32.5 25.4 38.0



#64
Tetrachloroethene
Concen: 48.857 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion:164 Resp: 166846
Ion Ratio Lower Upper
164 100
166 129.2 103.0 154.6
129 85.9 70.6 105.8
131 83.3 68.6 102.8

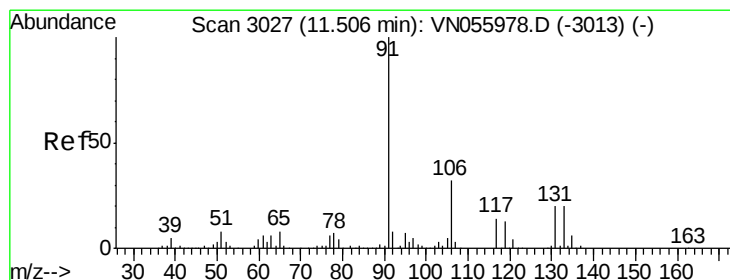
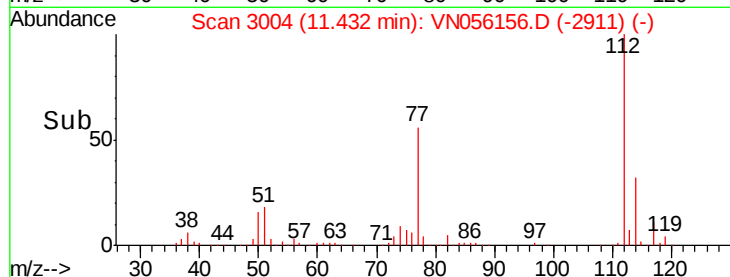
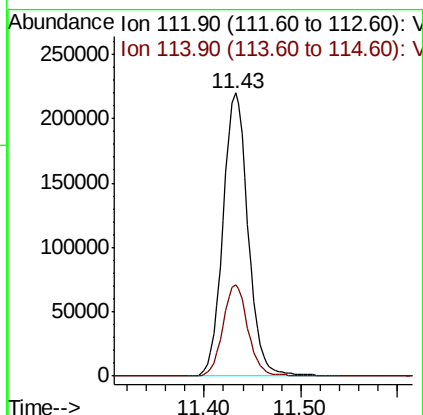
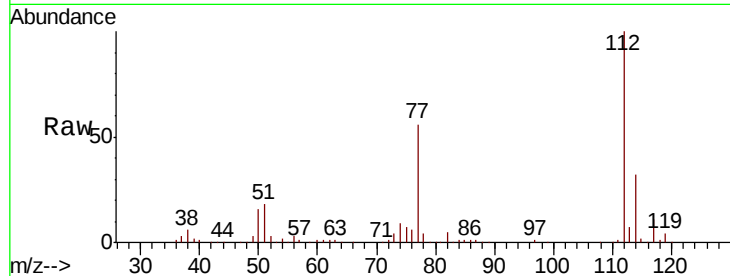




#65
Chlorobenzene
Concen: 50.612 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

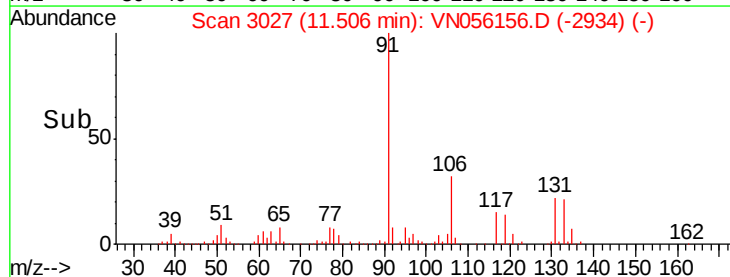
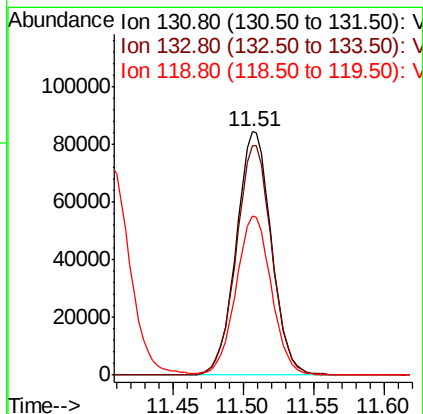
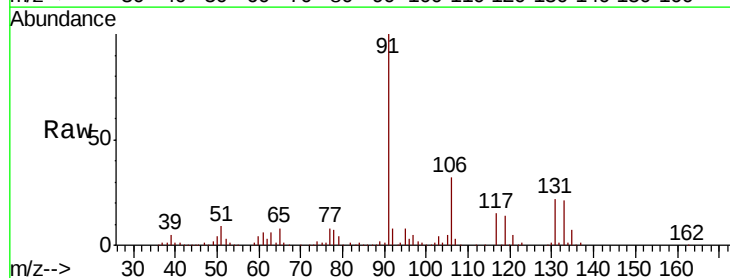
Instrument :
MSVOA_N
ClientSampled :

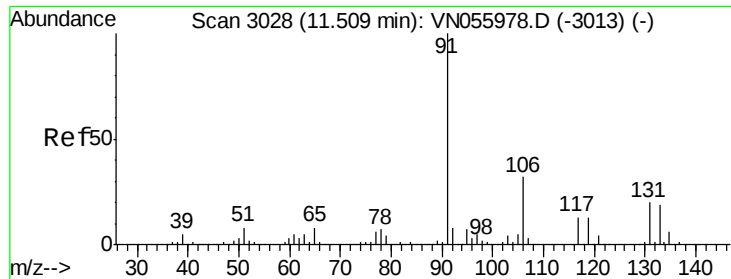
Tot Ion:112 Resp: 397388
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.373 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion:131 Resp: 147409
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.0 33.1 99.5

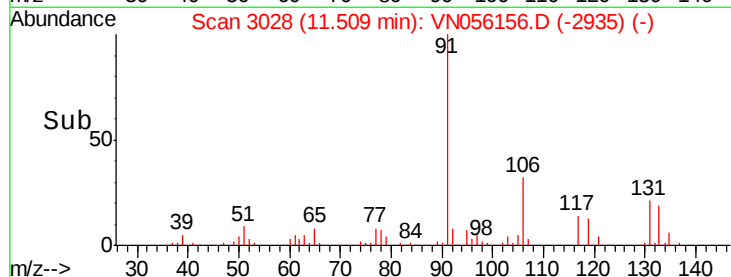
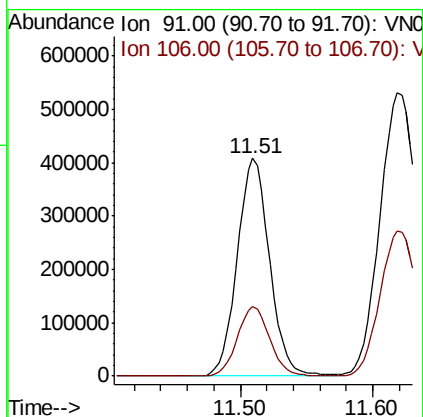
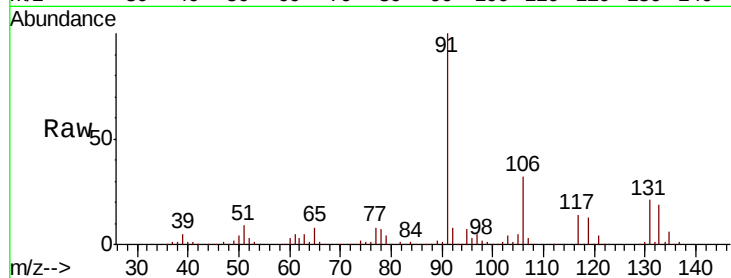




#67
Ethyl Benzene
Concen: 50.677 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

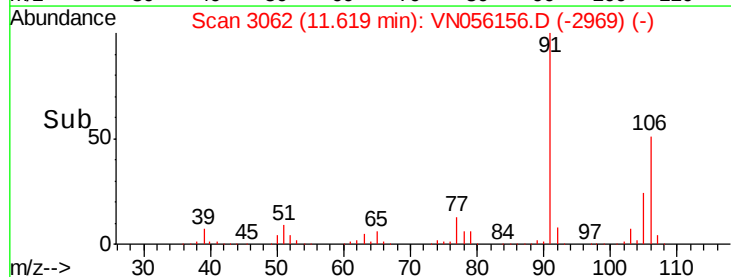
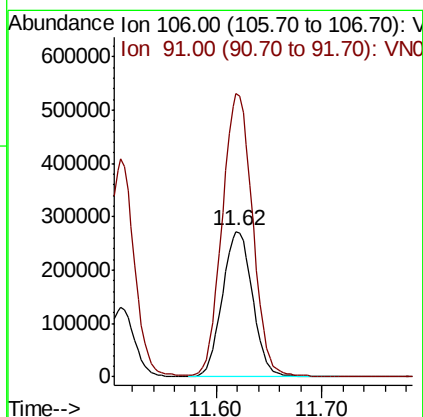
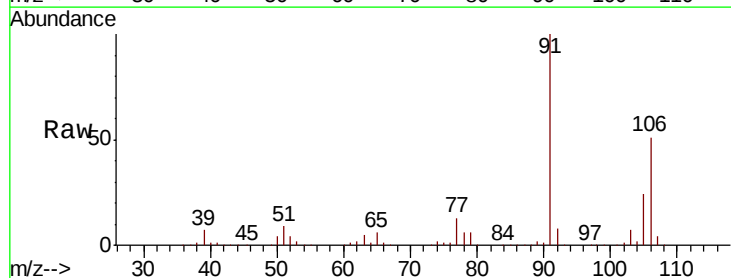
Instrument :
MSVOA_N
ClientSampled :

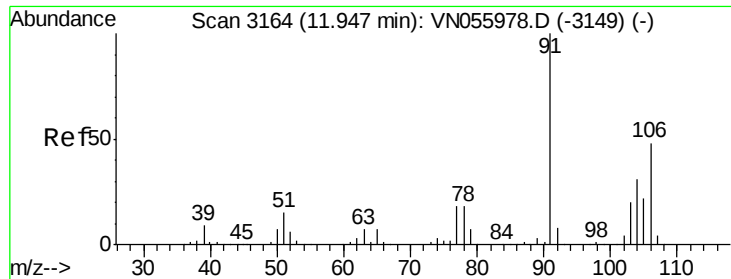
Tot Ion: 91 Resp: 691884
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 103.957 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 106 Resp: 542189
Ion Ratio Lower Upper
106 100
91 196.0 159.3 238.9

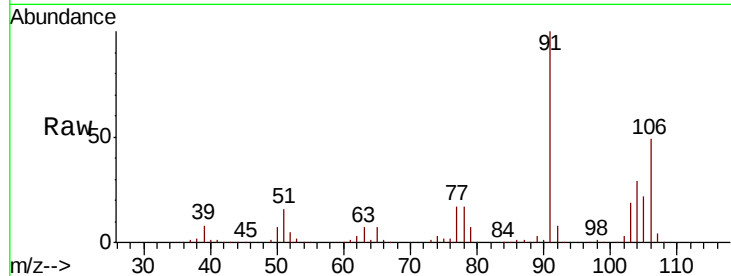




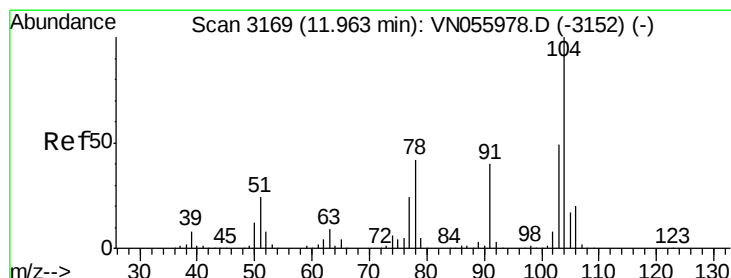
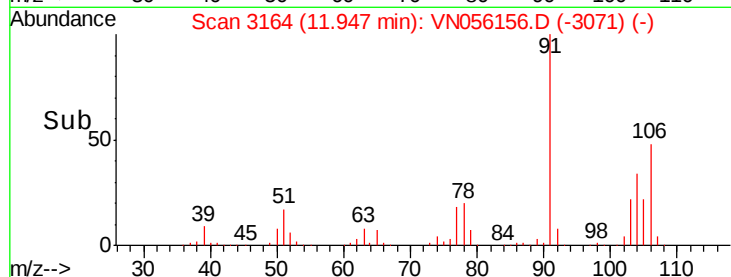
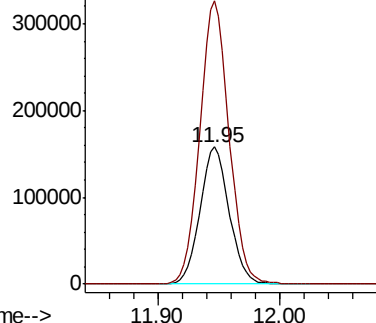
#69
o-Xylene
Concen: 51.342 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 263397
Ion Ratio Lower Upper
106 100
91 206.8 104.7 314.1

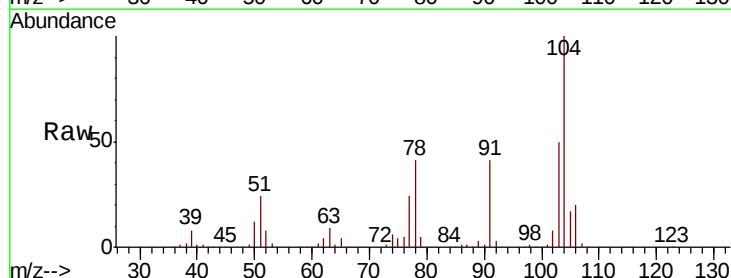


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

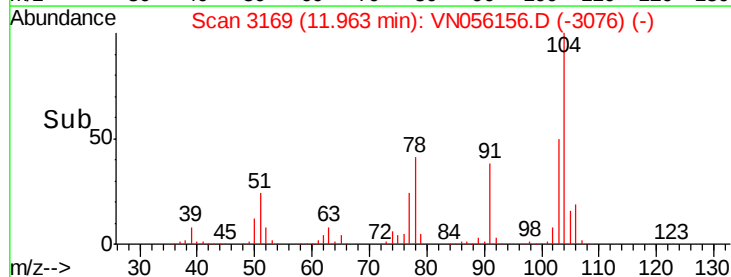
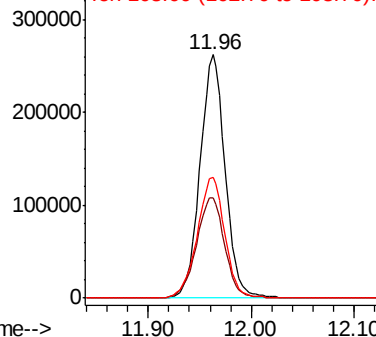


#70
Styrene
Concen: 54.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion:104 Resp: 445193
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.6 44.2 66.2



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

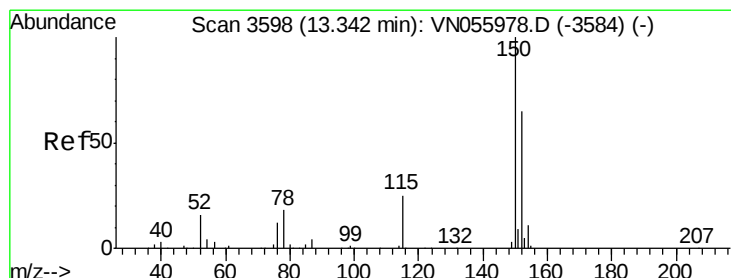
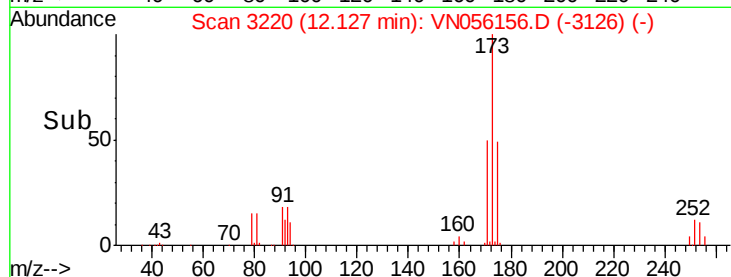
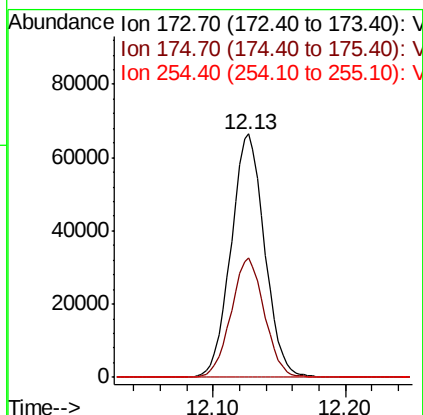
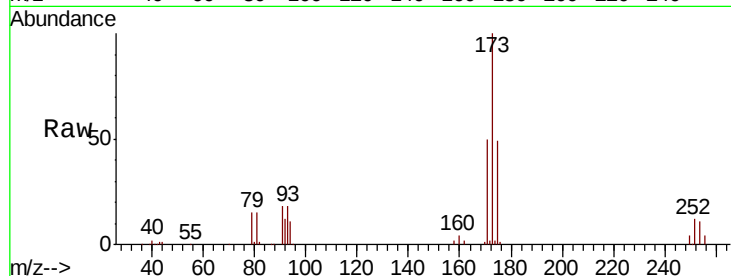




#71
Bromoform
Concen: 51.166 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

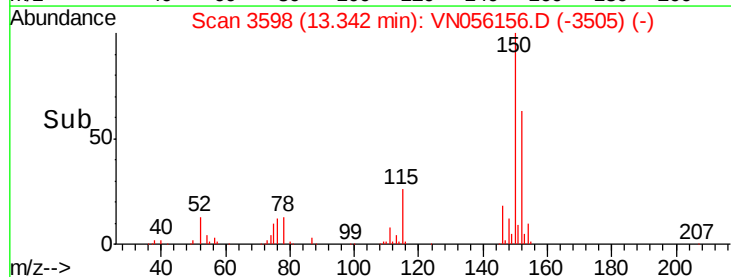
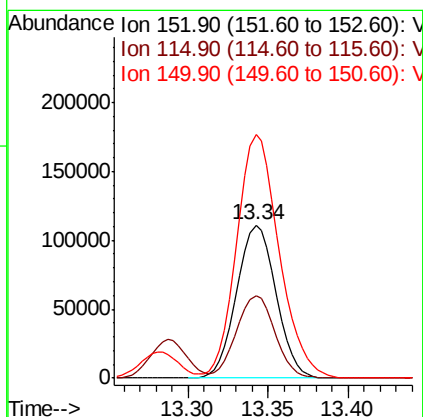
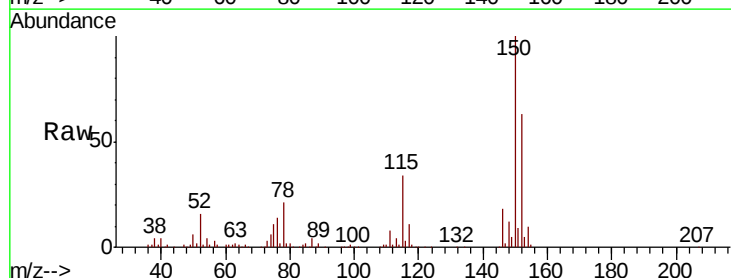
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 116612
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion:152 Resp: 186044
Ion Ratio Lower Upper
152 100
115 52.9 27.0 81.0
150 171.7 0.0 343.2





#73

Isopropylbenzene

Concen: 52.632 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

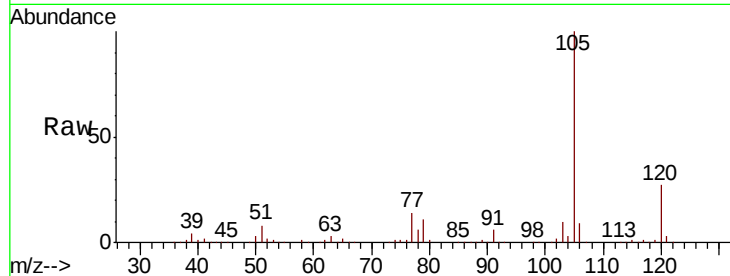
ClientSampleId :

Tot Ion:105 Resp: 696280

Ion Ratio Lower Upper

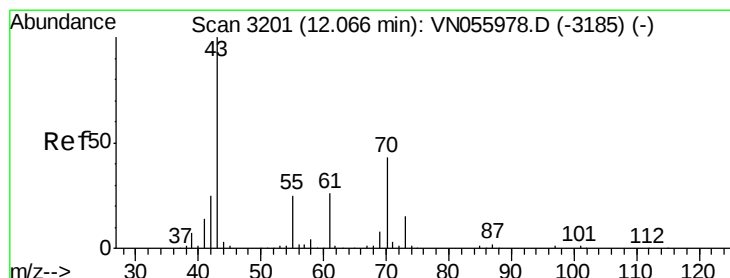
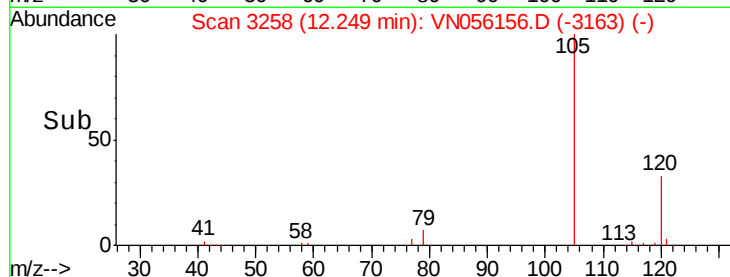
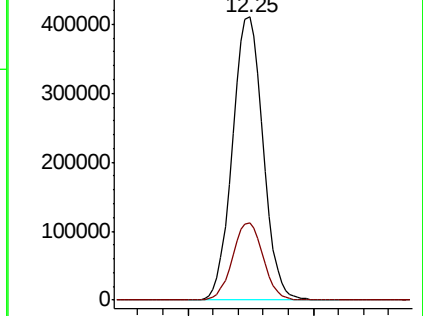
105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.481 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Tgt Ion: 43 Resp: 240429

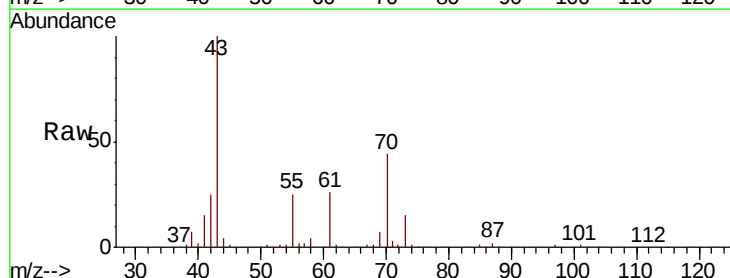
Ion Ratio Lower Upper

43 100

70 43.3 34.0 51.0

55 24.9 18.6 28.0

61 24.9 20.0 30.0

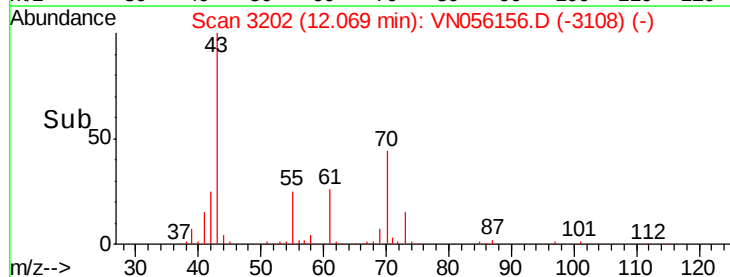
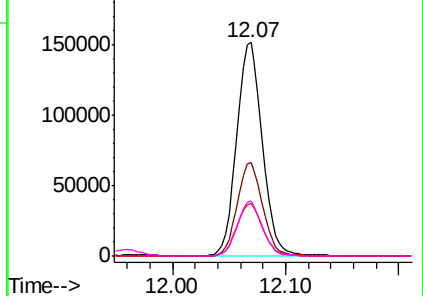


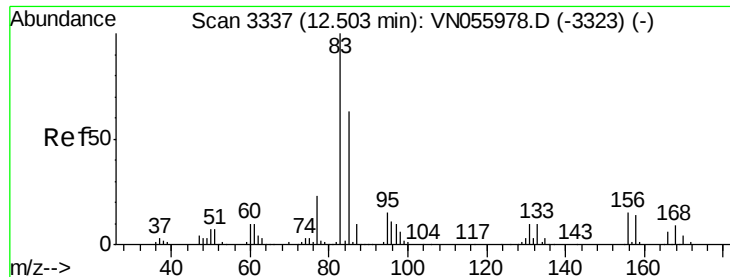
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.042 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

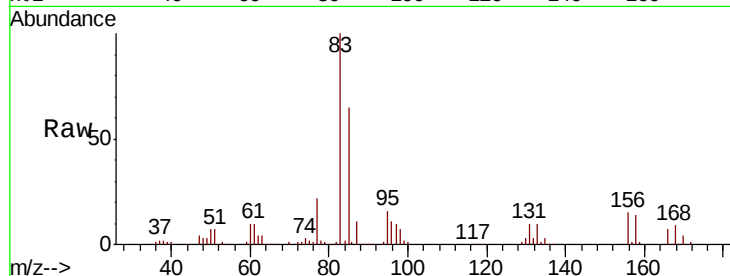
Tot Ion: 83 Resp: 203169

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

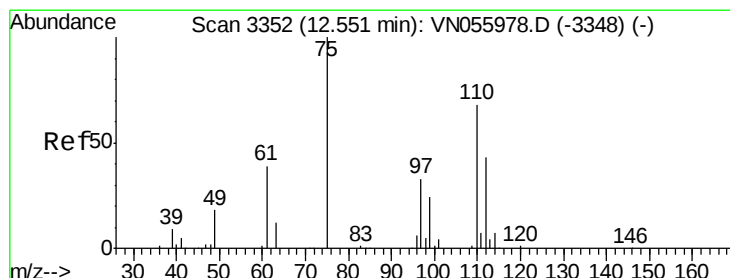
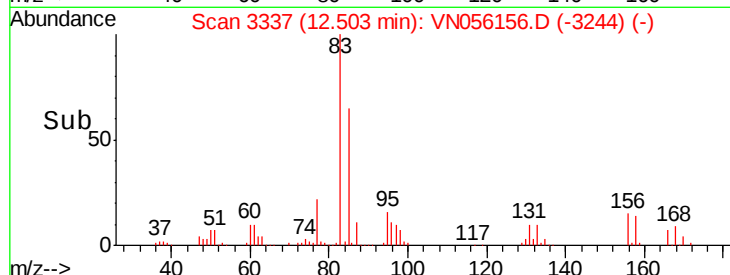
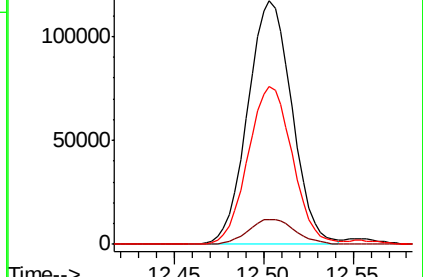
85 65.1 32.4 97.0



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: 70.121 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056156.D

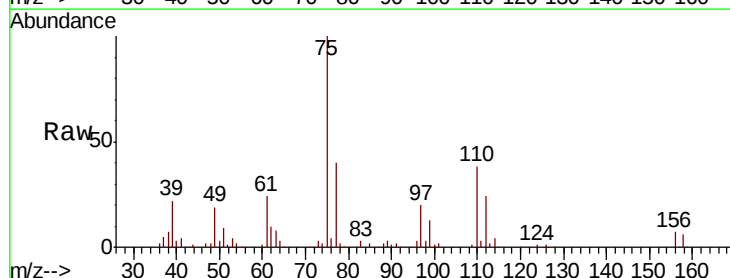
Acq: 10 Jun 2019 9:25

Tgt Ion: 75 Resp: 240046

Ion Ratio Lower Upper

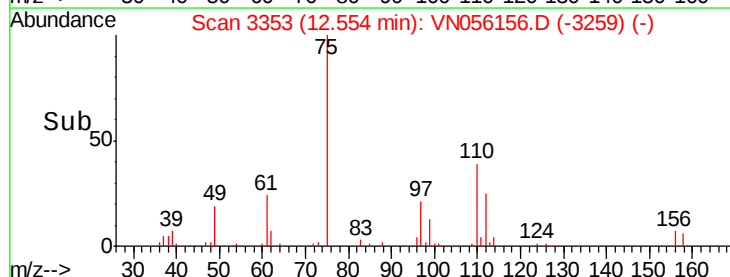
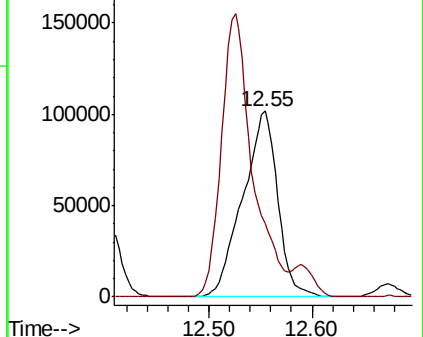
75 100

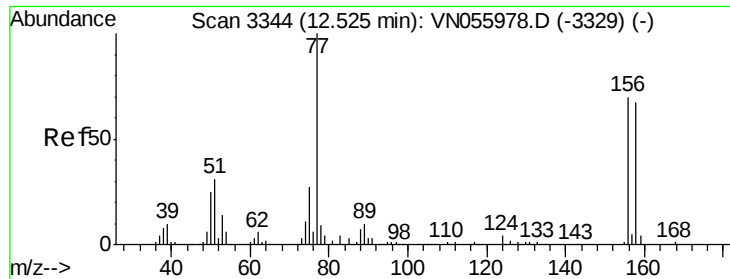
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.485 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

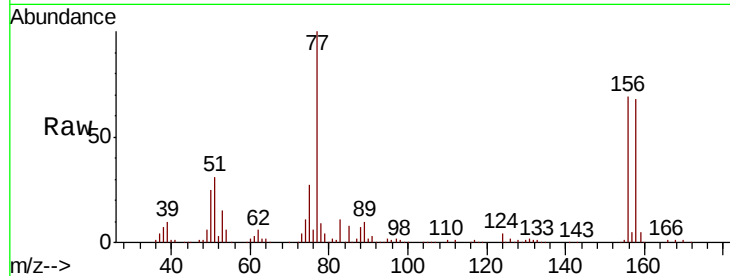
Tot Ion:156 Resp: 189139

Ion Ratio Lower Upper

156 100

77 173.5 90.8 272.5

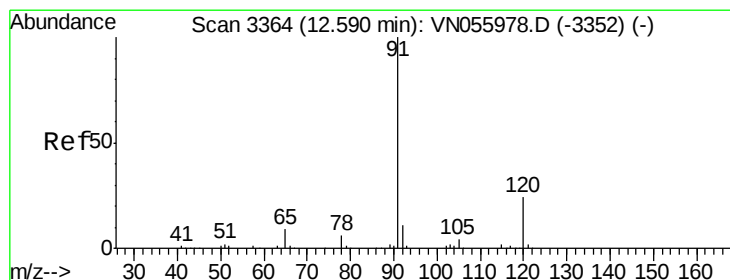
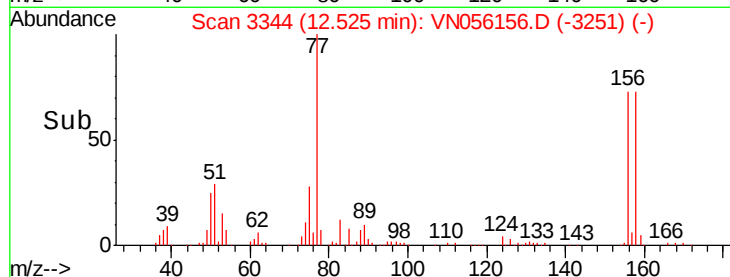
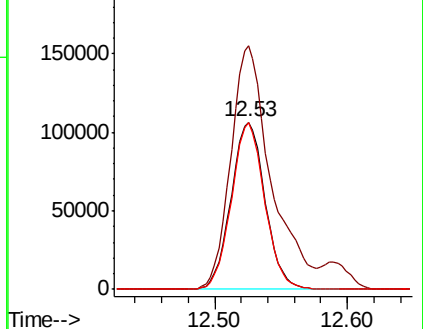
158 97.5 49.3 147.8



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: 48.368 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056156.D

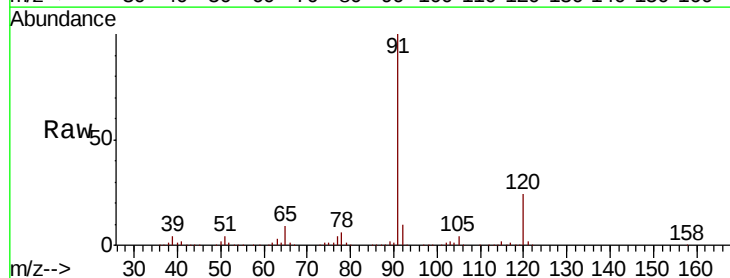
Acq: 10 Jun 2019 9:25

Tgt Ion: 91 Resp: 761280

Ion Ratio Lower Upper

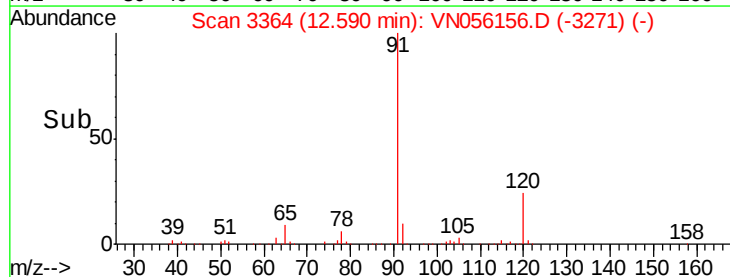
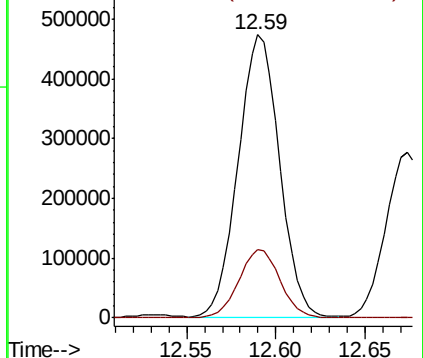
91 100

120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.088 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

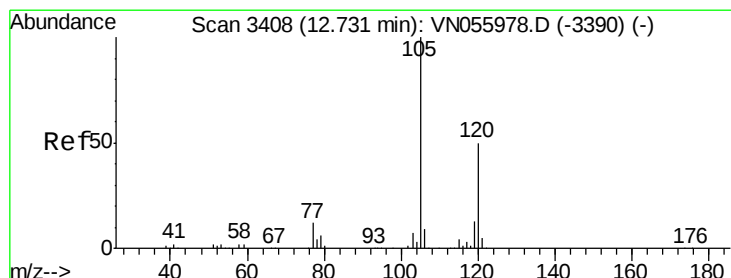
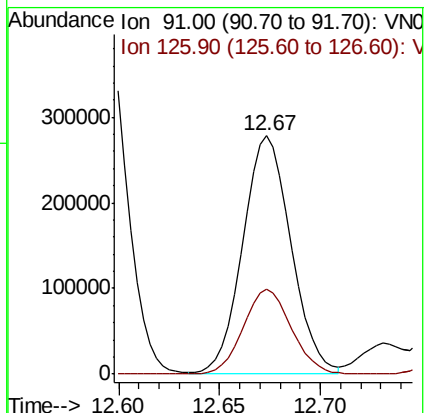
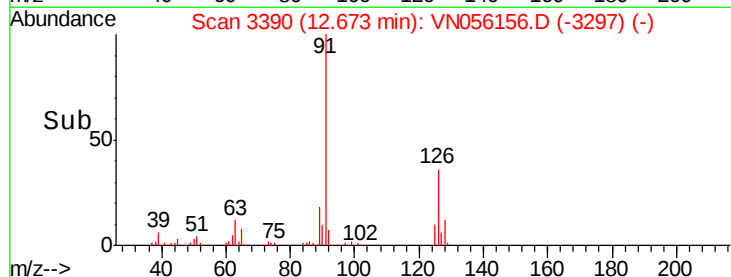
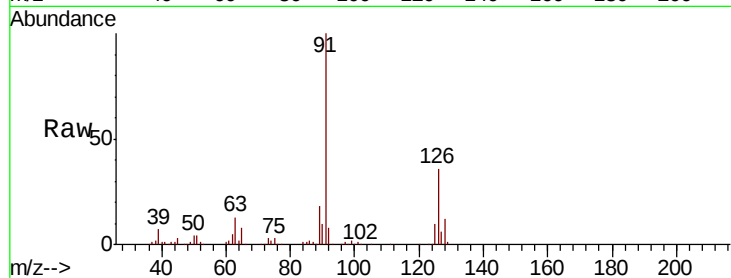
ClientSampleId :

Tot Ion: 91 Resp: 462206

Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 46.816 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056156.D

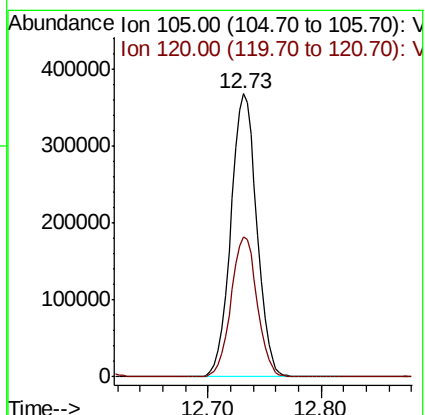
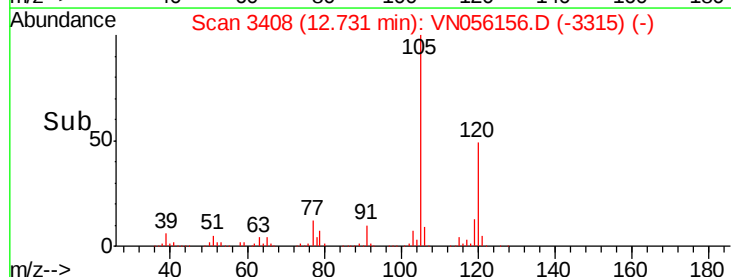
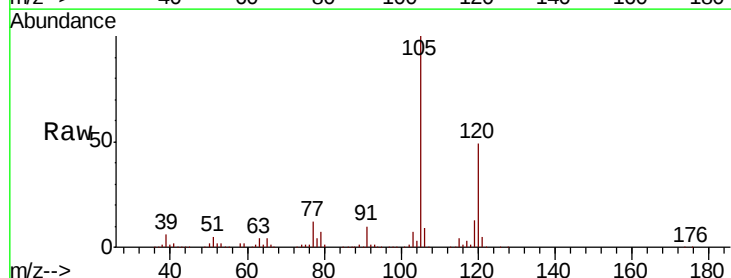
Acq: 10 Jun 2019 9:25

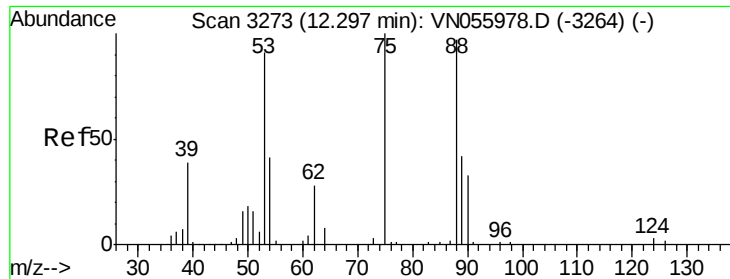
Tgt Ion: 105 Resp: 585619

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 52.130 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

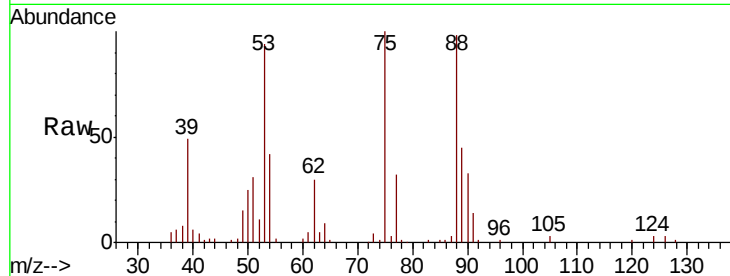
Tot Ion: 75 Resp: 53587

Ion Ratio Lower Upper

75 100

53 95.5 68.1 102.1

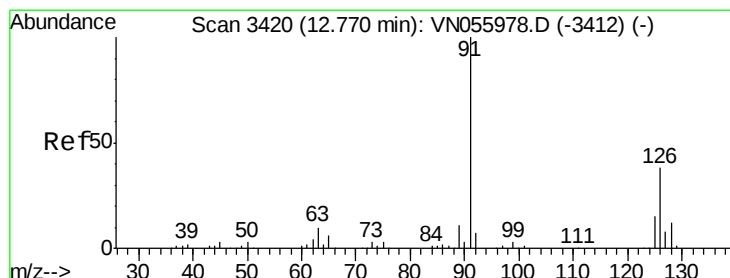
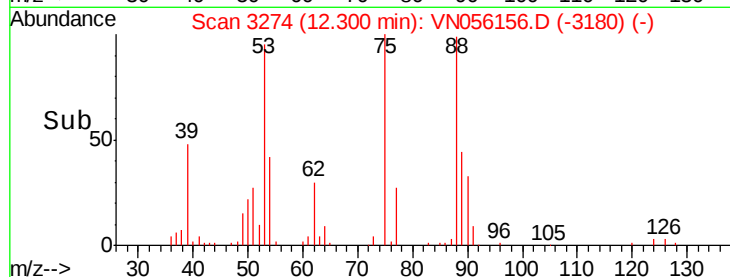
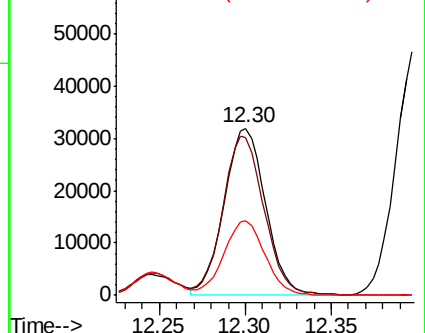
89 44.2 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.434 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056156.D

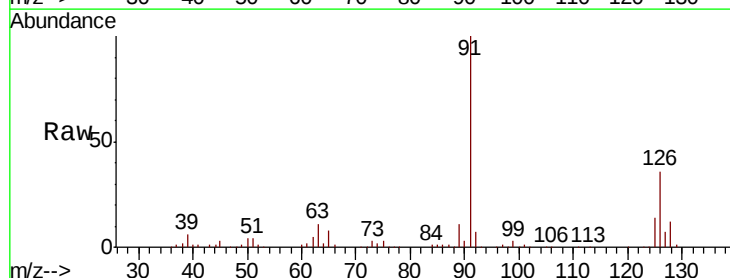
Acq: 10 Jun 2019 9:25

Tgt Ion: 91 Resp: 455198

Ion Ratio Lower Upper

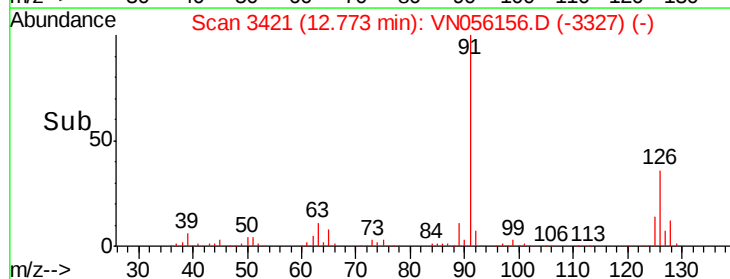
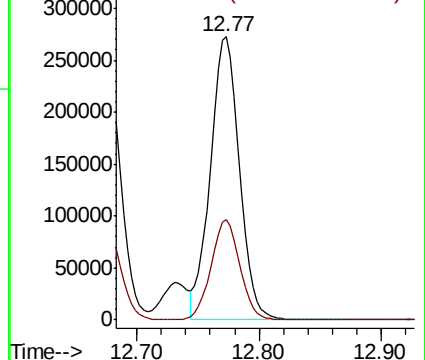
91 100

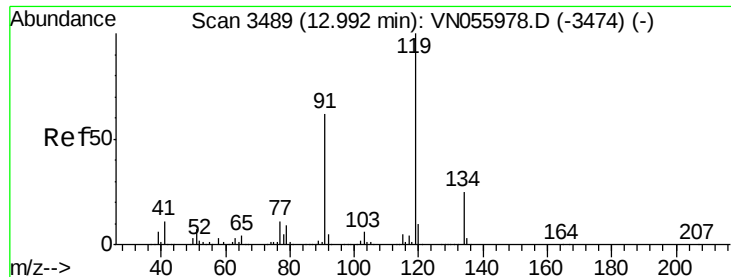
126 35.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

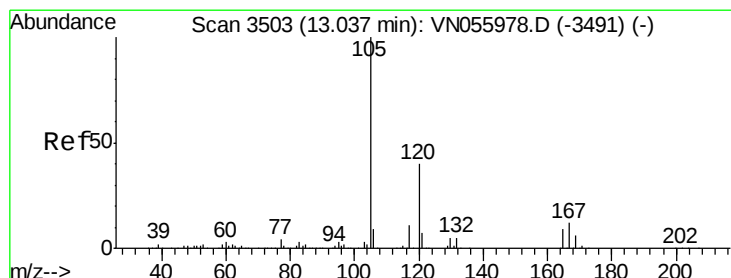
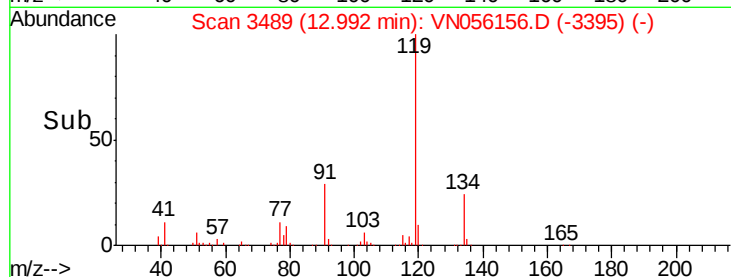
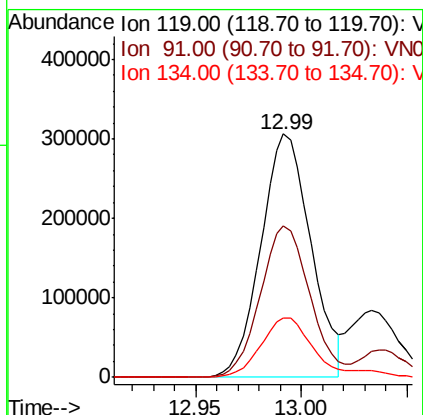
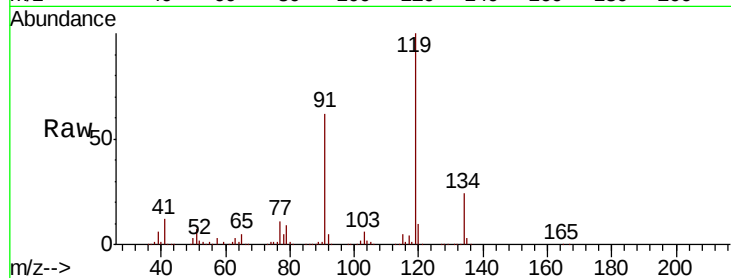




#83
tert-Butylbenzene
Concen: 52.174 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

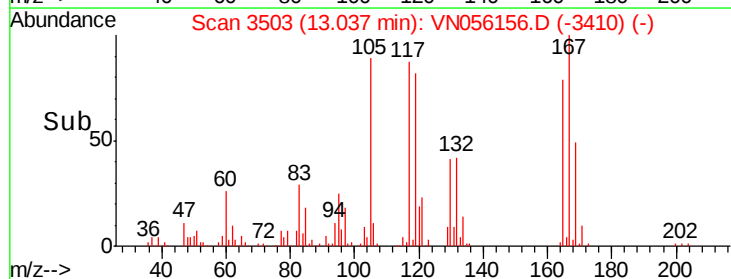
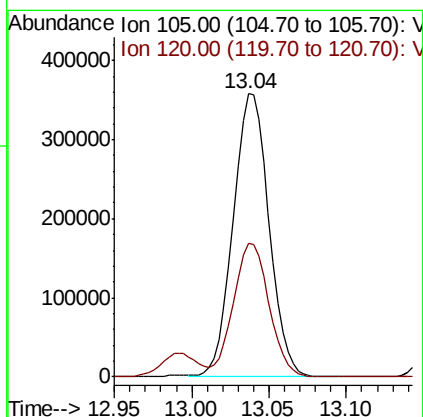
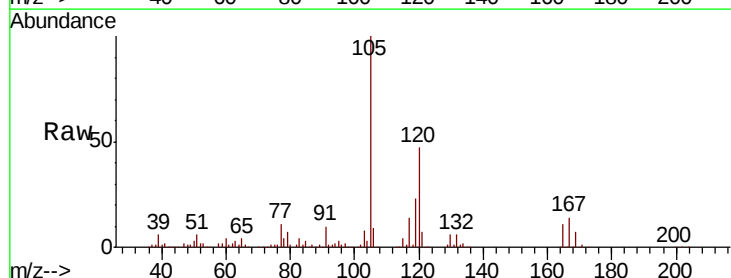
Instrument :
MSVOA_N
ClientSampled :

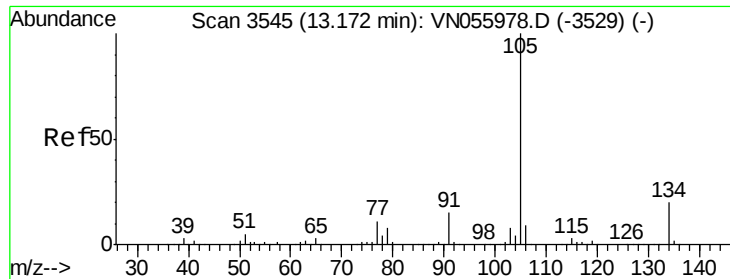
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.9	92.8
134	24.8	13.3	39.8



#84
1,2,4-Trimethylbenzene
Concen: 48.344 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0

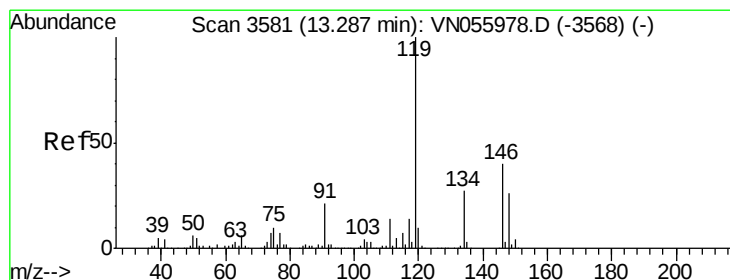
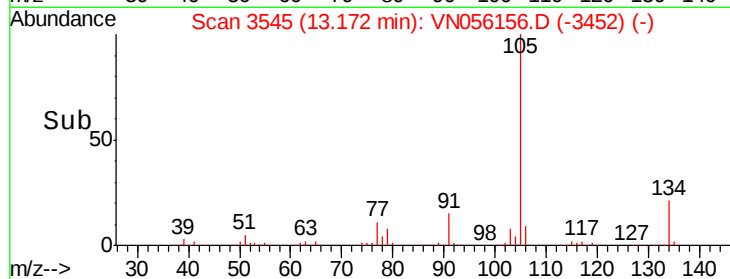
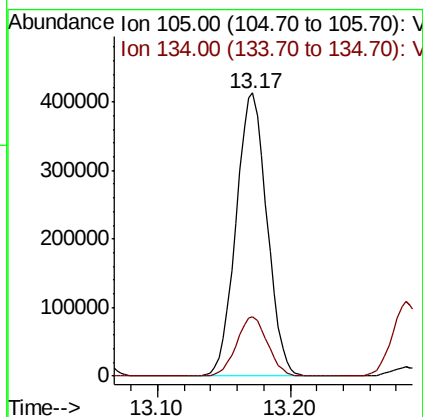
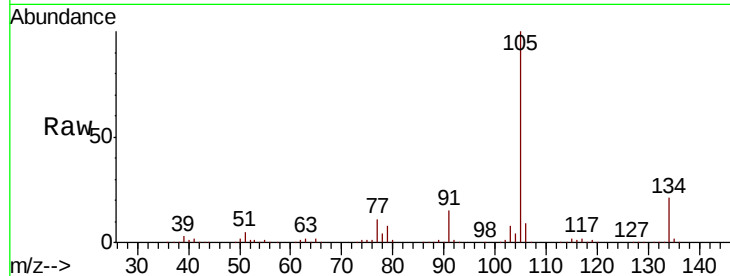




#85
 sec-Butylbenzene
 Concen: 47.948 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

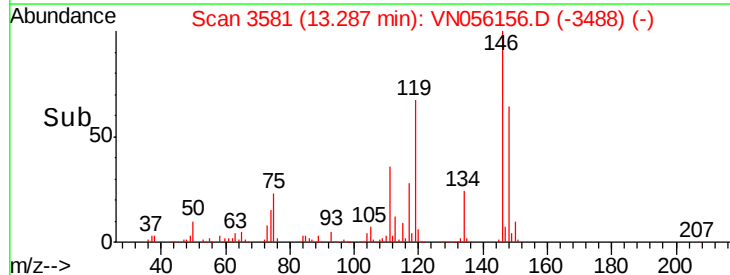
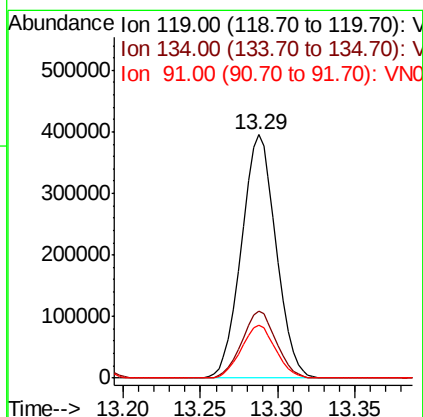
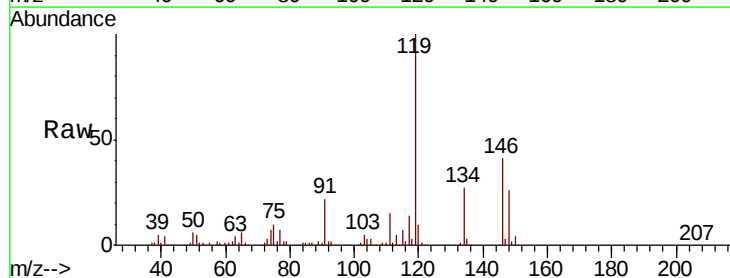
Instrument :
 MSVOA_N
 ClientSampleId :

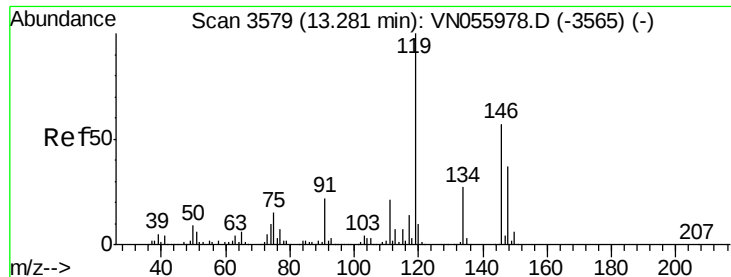
Tot Ion:105 Resp: 668329
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 49.113 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion:119 Resp: 612659
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.1
 91 21.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 50.377 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

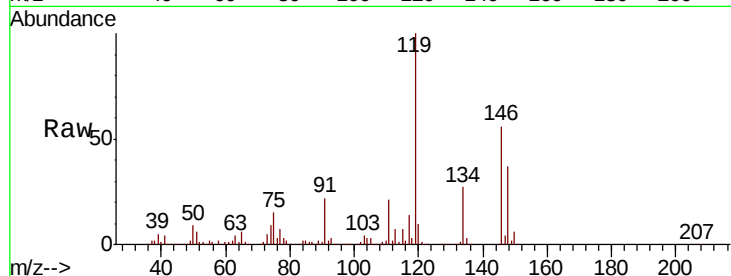
Tot Ion:146 Resp: 310560

Ion Ratio Lower Upper

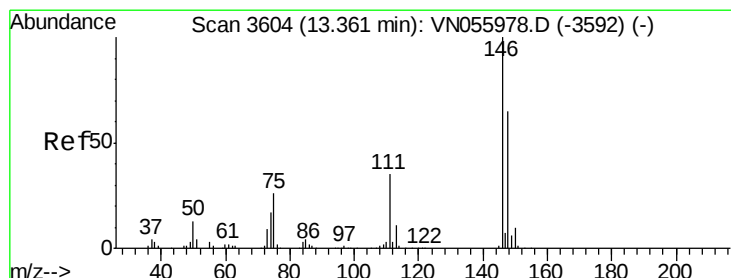
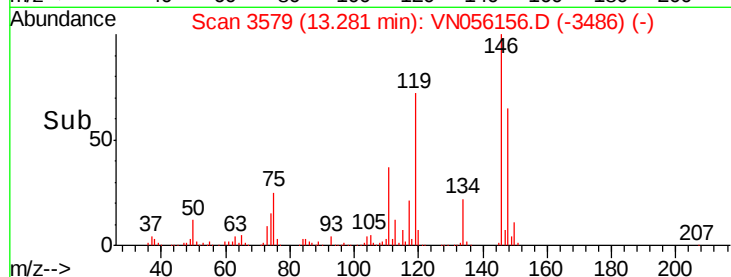
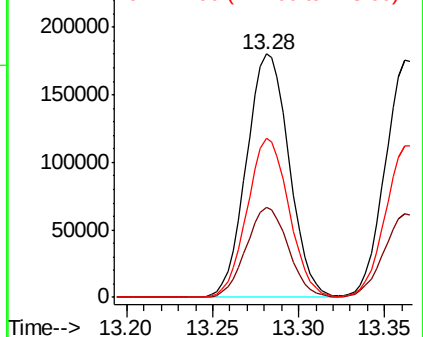
146 100

111 36.4 18.5 55.5

148 64.1 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 50.648 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

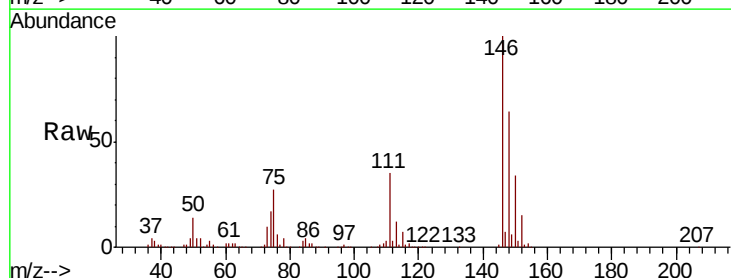
Tgt Ion:146 Resp: 300358

Ion Ratio Lower Upper

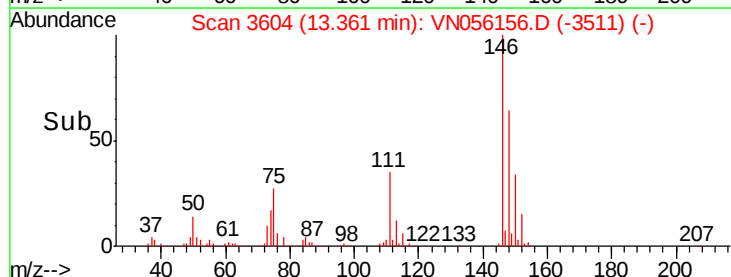
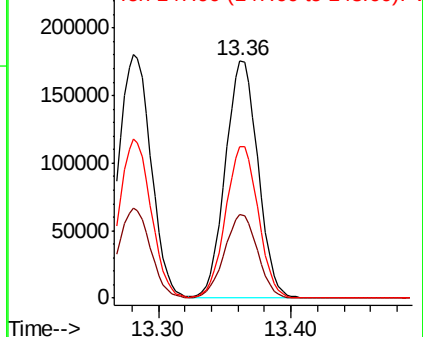
146 100

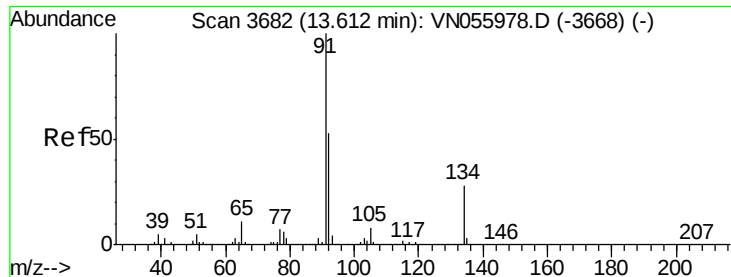
111 35.8 18.1 54.4

148 64.0 32.1 96.5



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





#89

n-Butylbenzene

Concen: 51.290 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

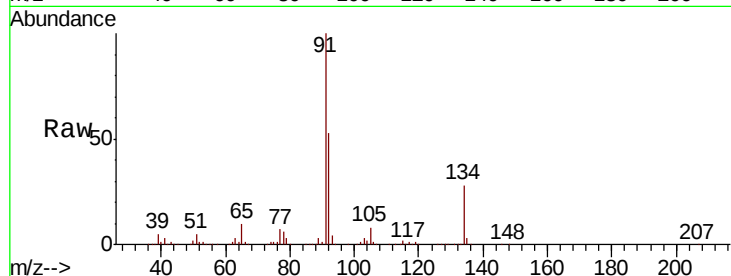
Tot Ion: 91 Resp: 473963

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.0

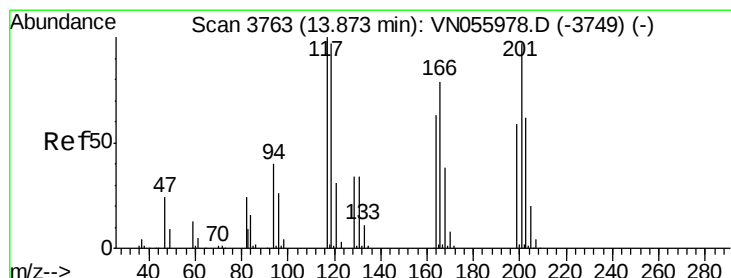
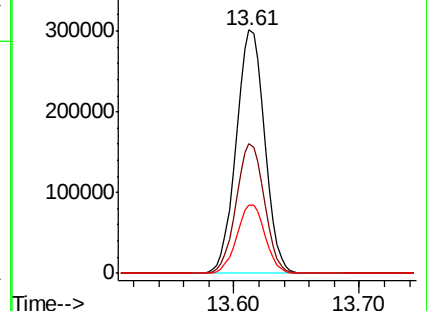
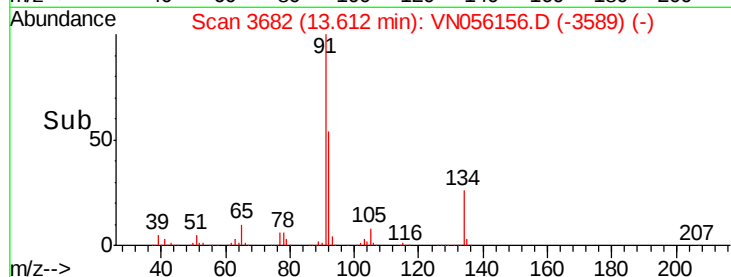
134 28.1 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)



#90

Hexachloroethane

Concen: 52.076 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056156.D

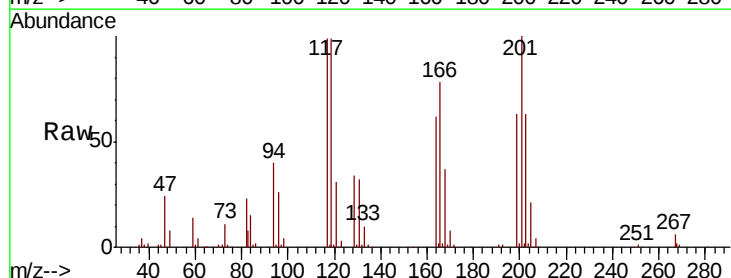
Acq: 10 Jun 2019 9:25

Tgt Ion: 117 Resp: 97969

Ion Ratio Lower Upper

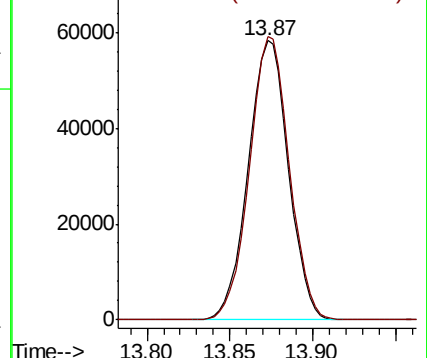
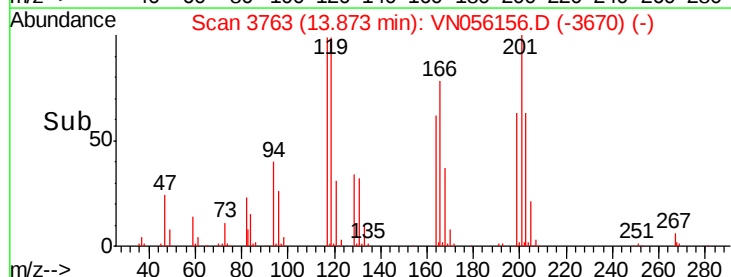
117 100

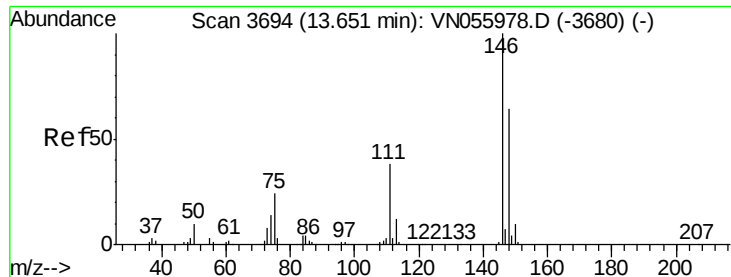
201 100.3 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 48.920 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

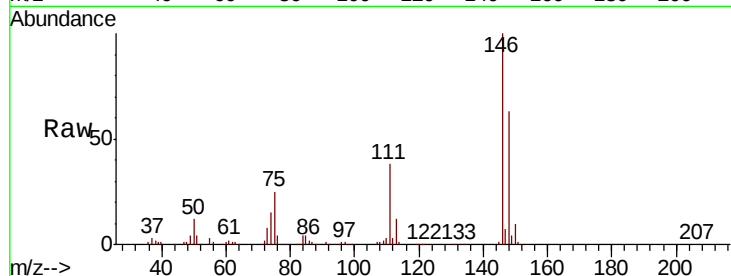
Tot Ion:146 Resp: 304478

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.5

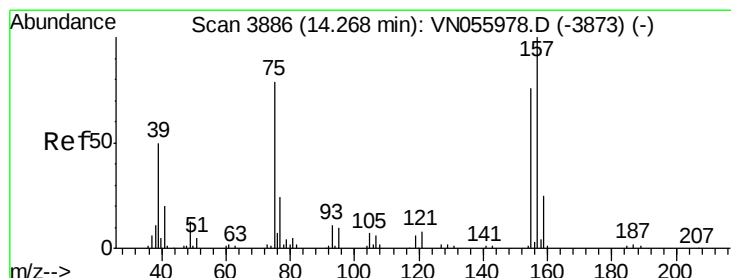
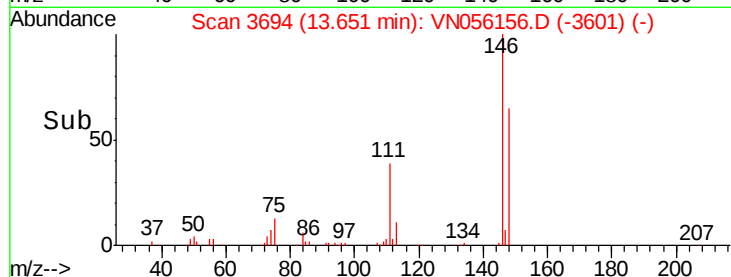
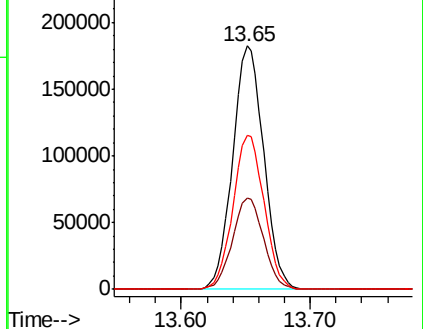
148 63.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.403 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

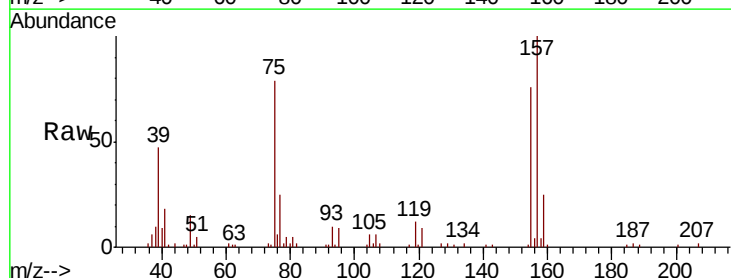
Tgt Ion: 75 Resp: 32989

Ion Ratio Lower Upper

75 100

155 102.4 50.0 150.1

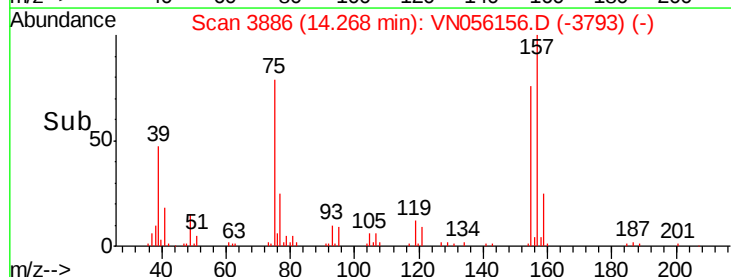
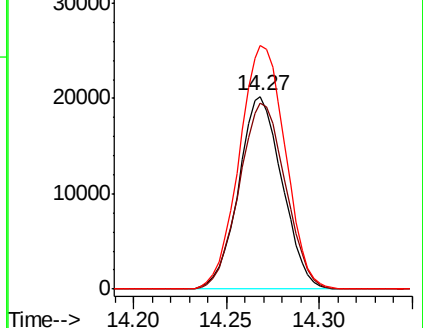
157 133.4 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

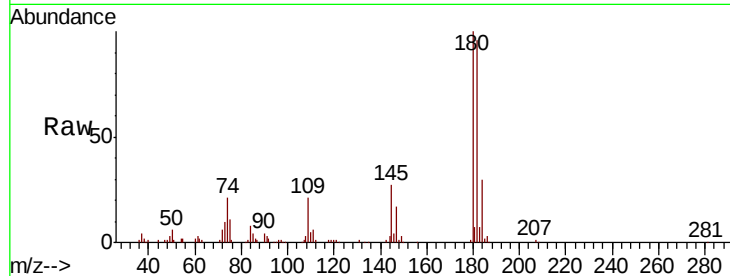




#93
 1,2,4-Trichlorobenzene
 Concen: 45.856 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.3	144.9
145	27.3	14.0	41.9

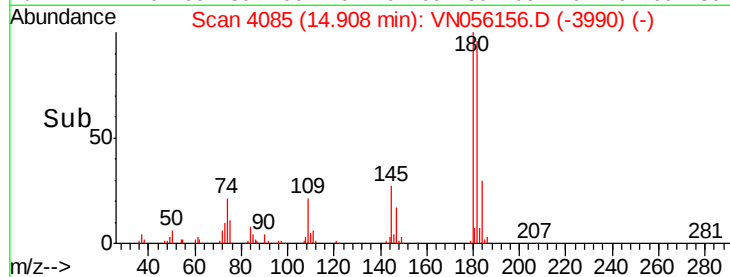
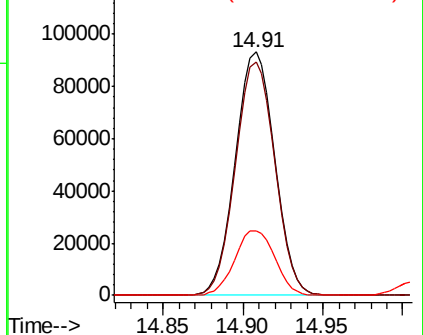


Abundance

Ion 179.80 (179.50 to 180.50): V

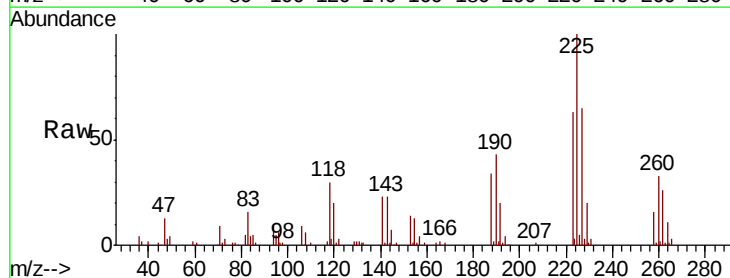
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 55.620 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.9	92.7
227	64.9	31.6	94.7

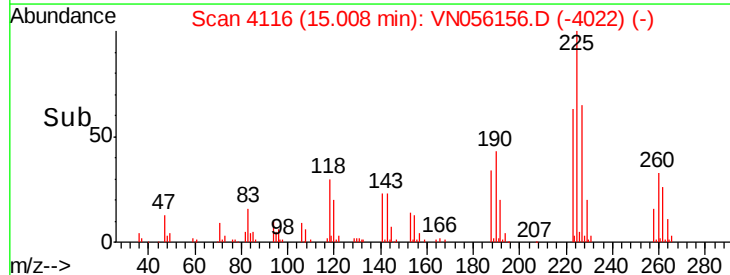
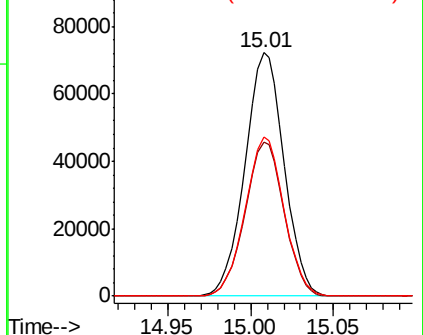


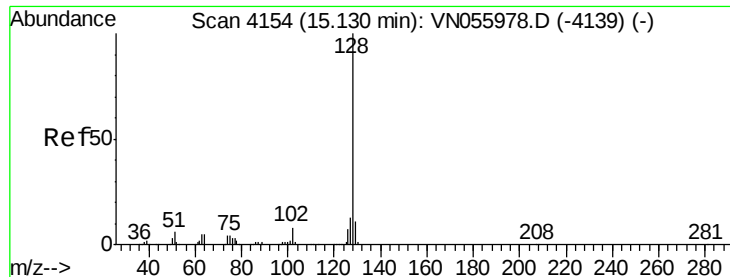
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.820 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

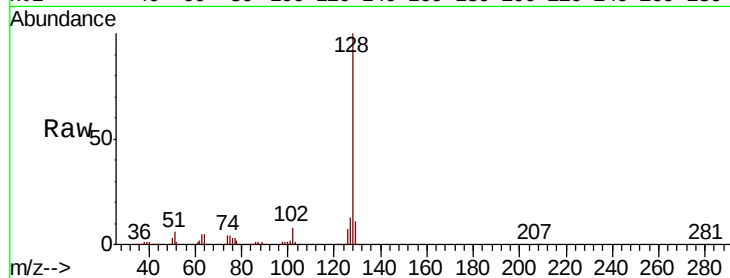
Tot Ion:128 Resp: 385345

Ion Ratio Lower Upper

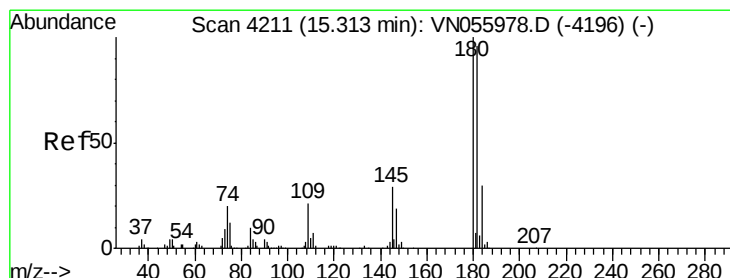
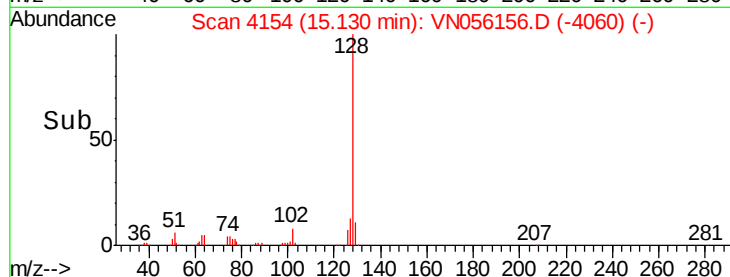
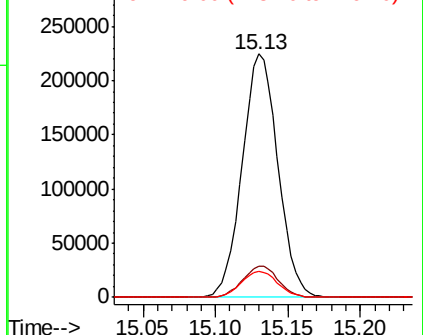
128 100

127 13.0 10.3 15.5

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.650 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

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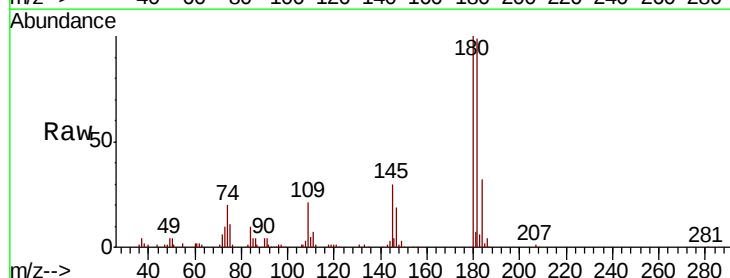
Tgt Ion:180 Resp: 166028

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.7

145 29.3 14.9 44.7



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

