

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058189.D
 Acq On : 19 Sep 2019 8:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:47:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	498469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	843861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	774647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	358318	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.57	113	260278	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	1055808	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.40	95	393250	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	186931	45.651	ug/l	97
3) Chloromethane	2.03	50	149308	47.248	ug/l	99
4) Vinyl Chloride	2.17	62	165811	48.004	ug/l	99
5) Bromomethane	2.54	94	80191	43.978	ug/l	93
6) Chloroethane	2.68	64	110822	50.129	ug/l	98
7) Trichlorofluoromethane	3.00	101	249621	44.661	ug/l	98
8) Diethyl Ether	3.39	74	119251	46.565	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	190906	47.374	ug/l	99
10) Methyl Iodide	3.93	142	141492	41.902	ug/l	100
11) Tert butyl alcohol	4.75	59	179178	216.962	ug/l	98
12) 1,1-Dichloroethene	3.72	96	152083	49.728	ug/l	94
13) Acrolein	3.58	56	42922	350.704	ug/l	95
14) Allyl chloride	4.30	41	308647	46.807	ug/l	98
15) Acrylonitrile	4.95	53	524423	238.342	ug/l	99
16) Acetone	3.79	43	638993	271.147	ug/l	100
17) Carbon Disulfide	4.03	76	195188	45.369	ug/l	100
18) Methyl Acetate	4.30	43	276122	44.528	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	737861	48.547	ug/l	98
20) Methylene Chloride	4.52	84	206901	50.147	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	161737	48.523	ug/l	98
22) Diisopropyl ether	5.92	45	815208	48.669	ug/l	95
23) Vinyl Acetate	5.87	43	2939190	256.442	ug/l	99
24) 1,1-Dichloroethane	5.82	63	423919	47.419	ug/l	99
25) 2-Butanone	6.81	43	809850	252.241	ug/l	98
26) 2,2-Dichloropropane	6.80	77	359653	47.421	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	242788	48.030	ug/l	99
28) Bromochloromethane	7.17	49	212597	50.270	ug/l	100
29) Tetrahydrofuran	7.19	42	438176	221.563	ug/l	99
30) Chloroform	7.35	83	460843	47.890	ug/l	98
31) Cyclohexane	7.63	56	280137	48.400	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	362283	49.453	ug/l	100
36) 1,1-Dichloropropene	7.77	75	271047	44.540	ug/l	99
37) Ethyl Acetate	6.90	43	290467	45.993	ug/l	100
38) Carbon Tetrachloride	7.76	117	285310	46.640	ug/l	97

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

39) Methylcyclohexane	9.07	83	284265	48.315	ug/l	98
40) Benzene	8.02	78	874941	47.072	ug/l	100
41) Methacrylonitrile	7.18	41	436986	135.759	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	366826	47.033	ug/l	100
43) Isopropyl Acetate	8.15	43	536563	45.492	ug/l	99
44) Trichloroethene	8.82	130	216361	47.567	ug/l	99
45) 1,2-Dichloropropane	9.11	63	273637	49.296	ug/l	100
46) Dibromomethane	9.20	93	163598	48.476	ug/l	98
47) Bromodichloromethane	9.39	83	357906	50.622	ug/l	98
48) Methyl methacrylate	9.19	41	258243	48.222	ug/l	99
49) 1,4-Dioxane	9.19	88	80857	919.626	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1618102	258.284	ug/l	100
52) Toluene	10.15	92	568295	48.786	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	375497	51.848	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	410850	51.382	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257894	49.888	ug/l	99
56) Ethyl methacrylate	10.43	69	380213	50.976	ug/l	100
57) 1,3-Dichloropropane	10.70	76	432564	48.674	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	933465	262.745	ug/l	100
59) 2-Hexanone	10.75	43	1253886	269.489	ug/l	99
60) Dibromochloromethane	10.90	129	263416	52.966	ug/l	100
61) 1,2-Dibromoethane	11.00	107	236829	49.435	ug/l	100
64) Tetrachloroethene	10.63	164	173930	46.059	ug/l	96
65) Chlorobenzene	11.43	112	663815	48.719	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	254881	51.589	ug/l	99
67) Ethyl Benzene	11.51	91	1194560	51.165	ug/l	98
68) m/p-Xylenes	11.62	106	879263	99.993	ug/l	98
69) o-Xylene	11.95	106	437357	50.583	ug/l	99
70) Styrene	11.96	104	794319	53.319	ug/l	99
71) Bromoform	12.13	173	166027	45.662	ug/l #	99
73) Isopropylbenzene	12.25	105	1245900	51.432	ug/l	98
74) N-amyl acetate	12.07	43	517594	51.075	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	391903	48.311	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	483635	69.827	ug/l #	100
77) Bromobenzene	12.53	156	297178	48.770	ug/l	98
78) n-propylbenzene	12.59	91	1487673	54.044	ug/l	99
79) 2-Chlorotoluene	12.68	91	885136	51.451	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1084183	52.927	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105138	45.736	ug/l	99
82) 4-Chlorotoluene	12.78	91	930445	51.452	ug/l	99
83) tert-Butylbenzene	13.00	119	961855	52.654	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1105425	54.227	ug/l	100
85) sec-Butylbenzene	13.17	105	1300731	54.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	1175687	55.361	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	581149	52.217	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	581601	51.187	ug/l	99
89) n-Butylbenzene	13.62	91	1102419	54.754	ug/l	99
90) Hexachloroethane	13.88	117	179466	48.294	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	571004	51.146	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72396	49.572	ug/l	99

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QLast Update : Thu Sep 19 09:27:53 2019
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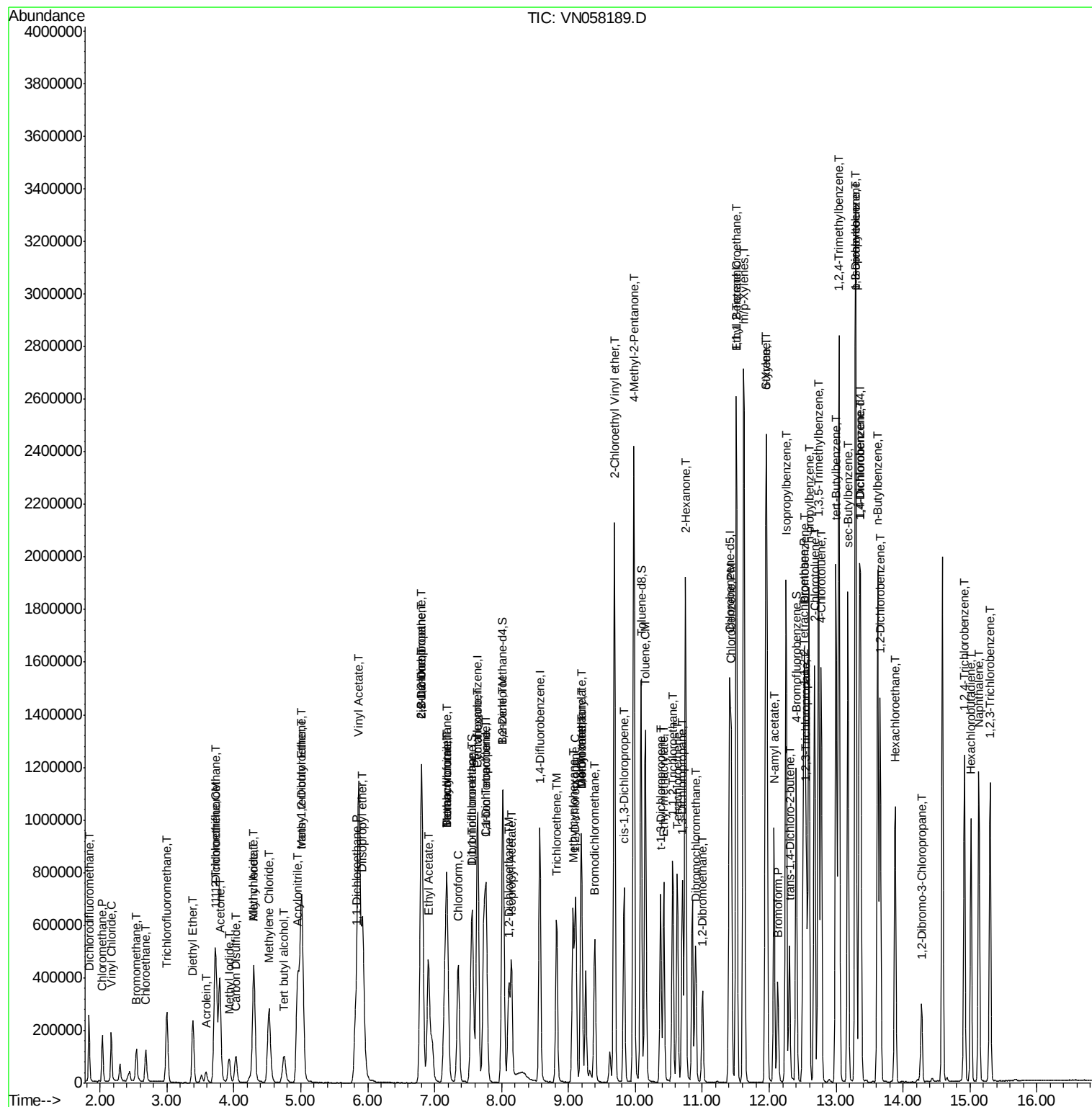
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	367912	51.579	ug/l	100
94) Hexachlorobutadiene	15.01	225	178032	51.639	ug/l	96
95) Naphthalene	15.13	128	943193	51.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	338452	50.201	ug/l	100

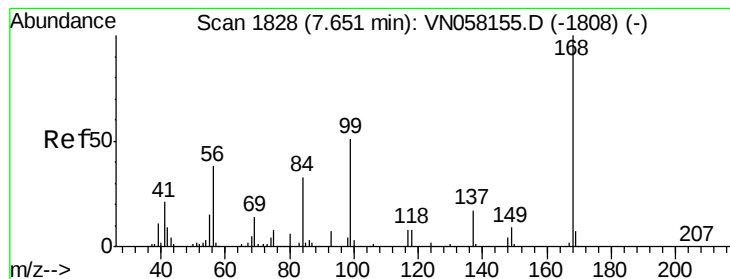
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

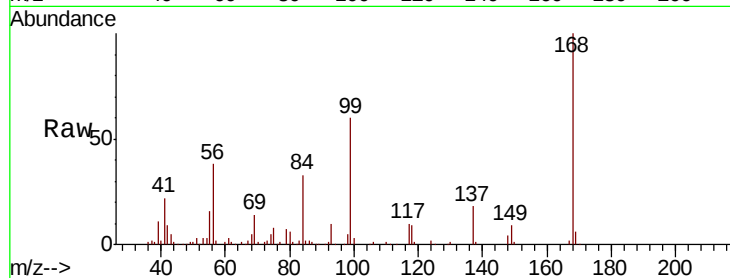
ClientSampled :

Tot Ion:168 Resp: 498469

Ion Ratio Lower Upper

168 100

99 60.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

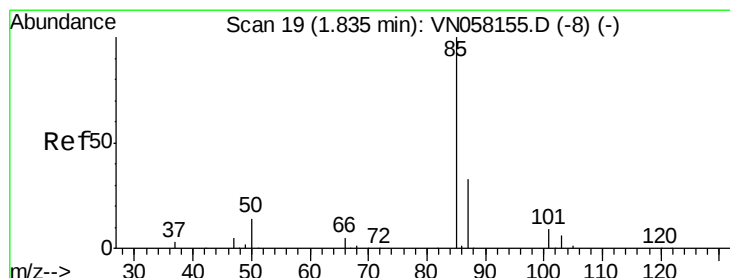
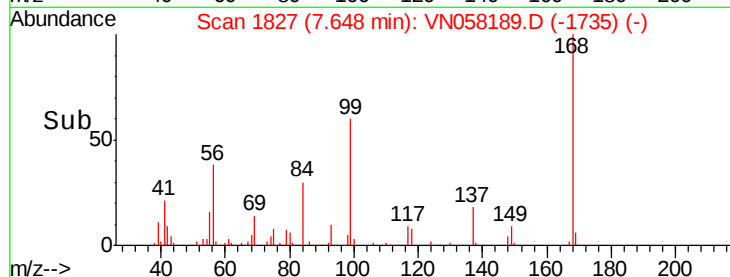
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.651 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058189.D

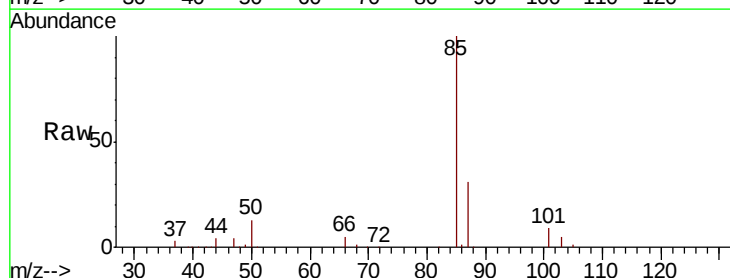
Acq: 19 Sep 2019 8:55

Tgt Ion: 85 Resp: 186931

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

0

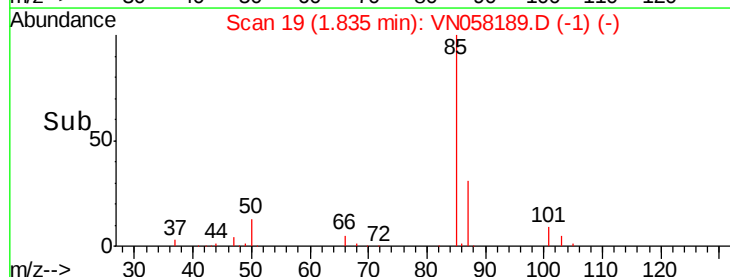
1.75

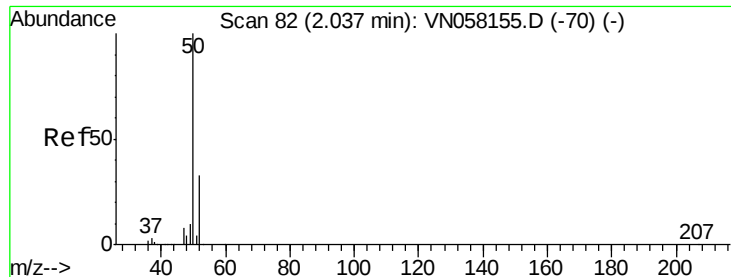
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 47.248 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

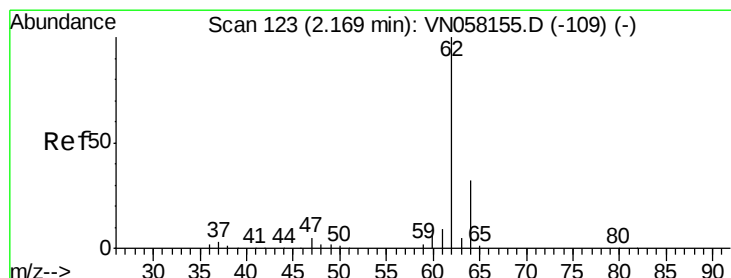
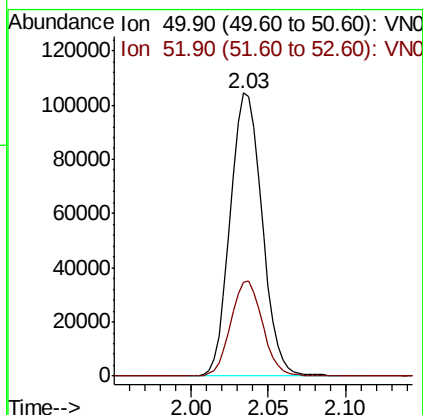
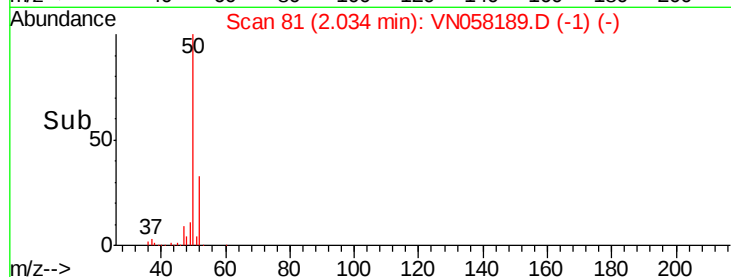
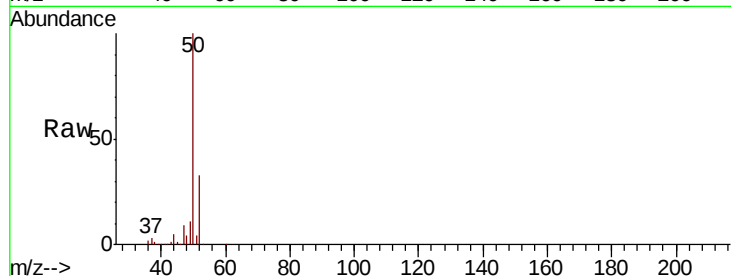
ClientSampleId :

Tot Ion: 50 Resp: 149308

Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5



#4

Vinyl Chloride

Concen: 48.004 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058189.D

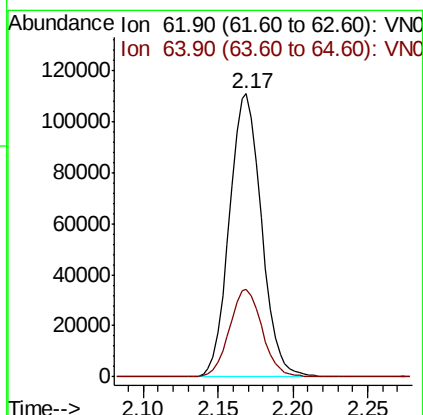
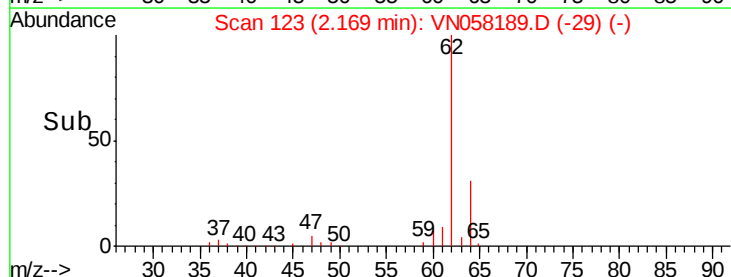
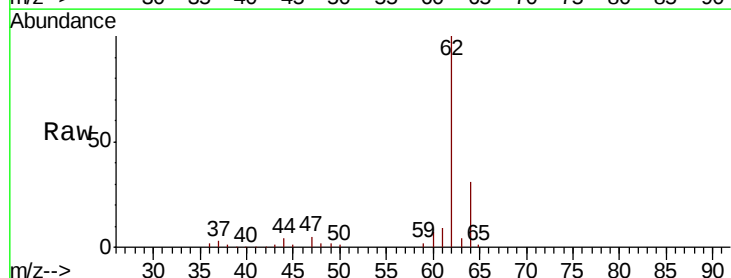
Acq: 19 Sep 2019 8:55

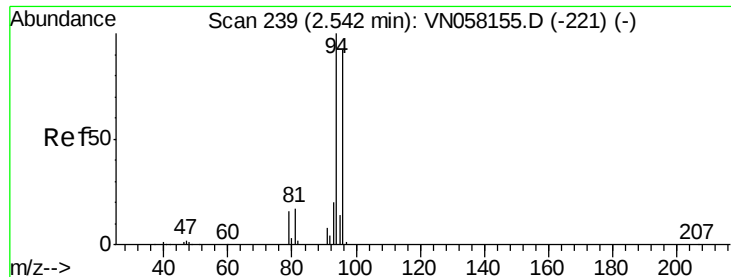
Tgt Ion: 62 Resp: 165811

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 43.978 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

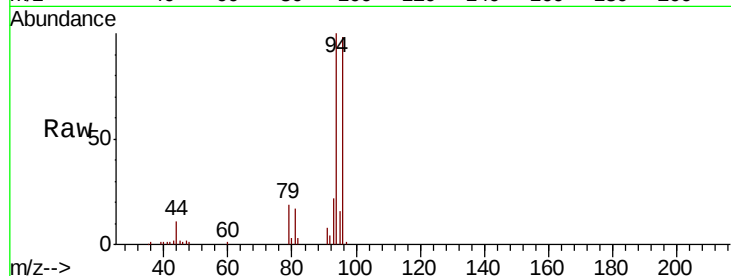
ClientSampleId :

Tot Ion: 94 Resp: 80191

Ion Ratio Lower Upper

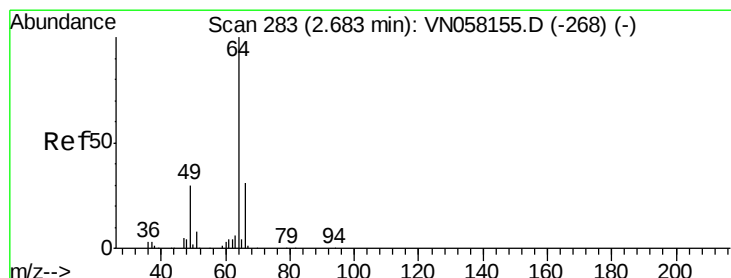
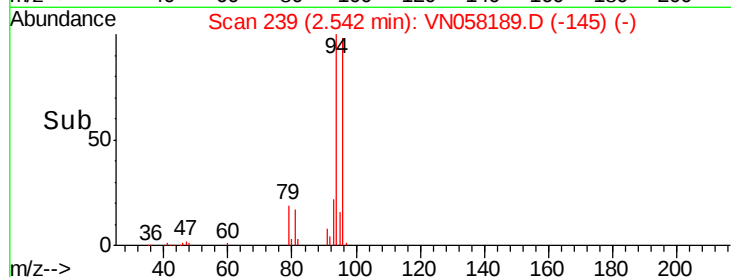
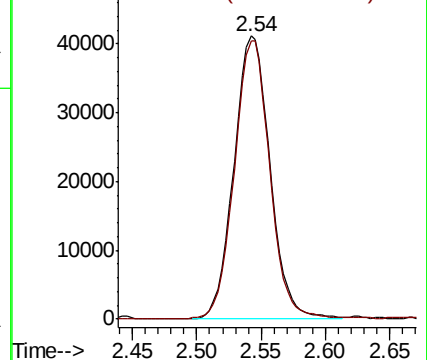
94 100

96 98.0 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.129 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058189.D

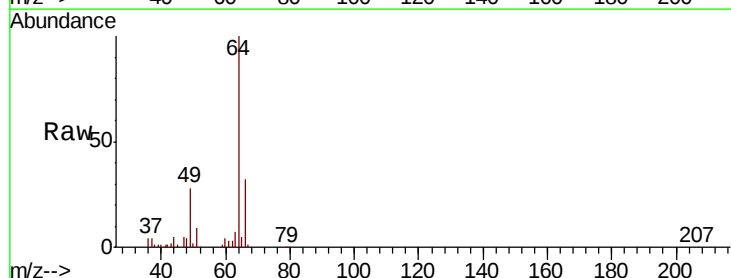
Acq: 19 Sep 2019 8:55

Tgt Ion: 64 Resp: 110822

Ion Ratio Lower Upper

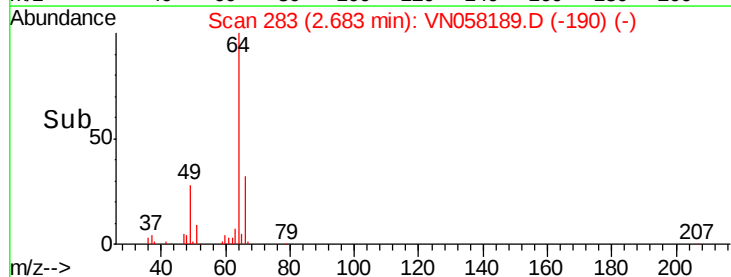
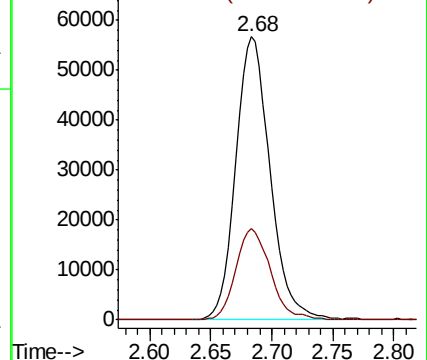
64 100

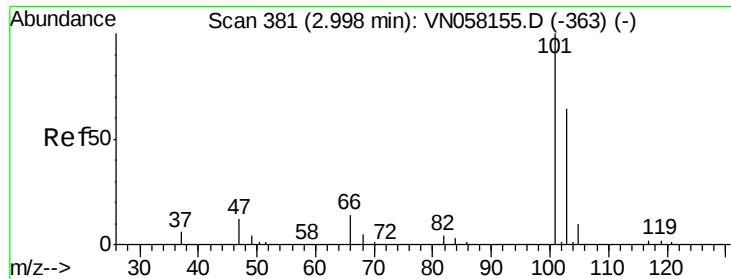
66 32.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



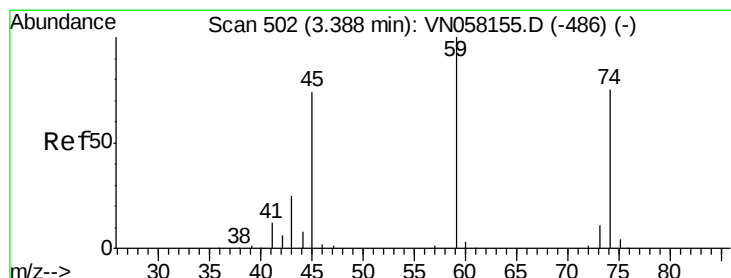
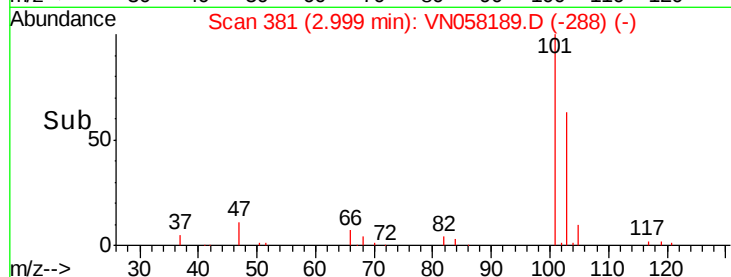
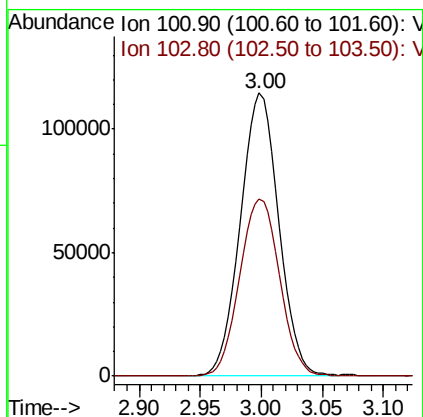
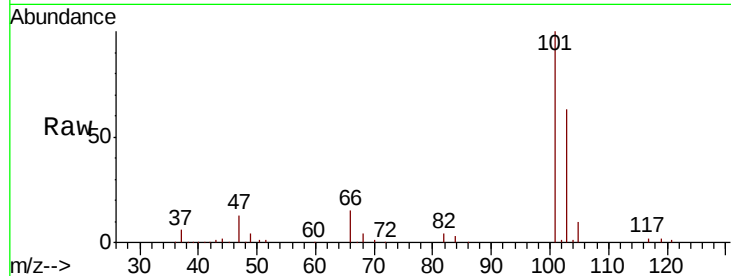


#7

Trichlorofluoromethane
 Concen: 44.661 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :

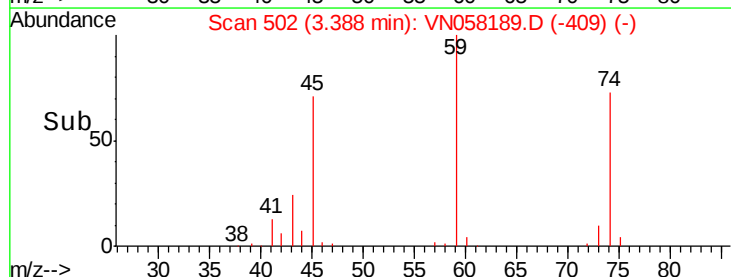
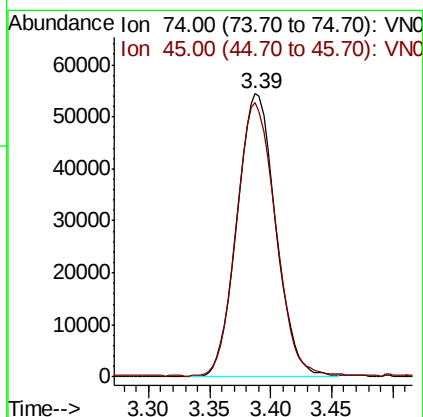
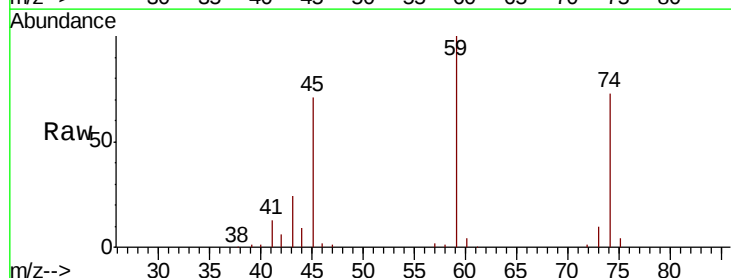
Tot Ion:101 Resp: 249621
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.0 76.6

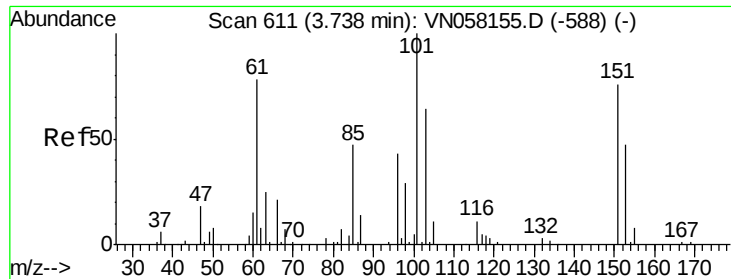


#8

Diethyl Ether
 Concen: 46.565 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion: 74 Resp: 119251
 Ion Ratio Lower Upper
 74 100
 45 97.4 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.374 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

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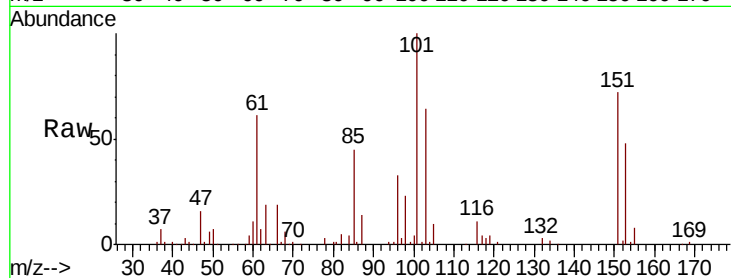
Tot Ion:101 Resp: 190906

Ion Ratio Lower Upper

101 100

85 46.5 37.3 55.9

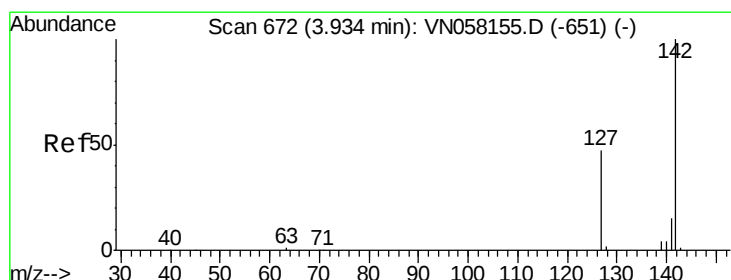
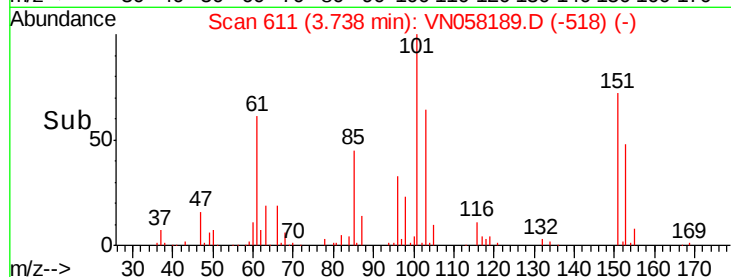
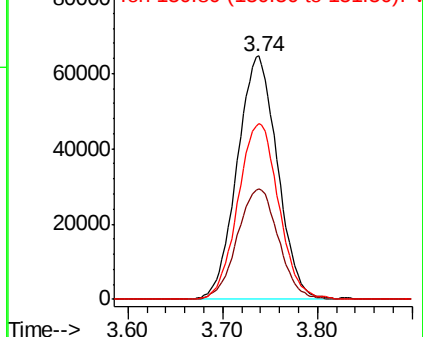
151 73.2 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.902 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

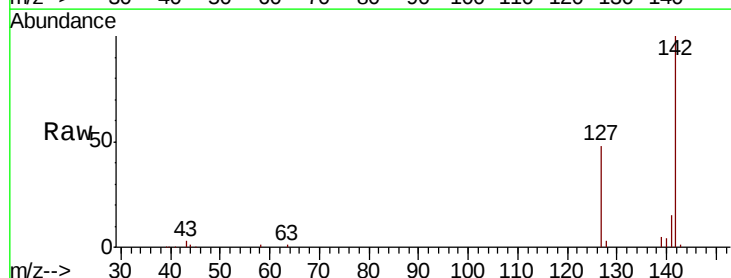
Tgt Ion:142 Resp: 141492

Ion Ratio Lower Upper

142 100

127 46.9 37.5 56.3

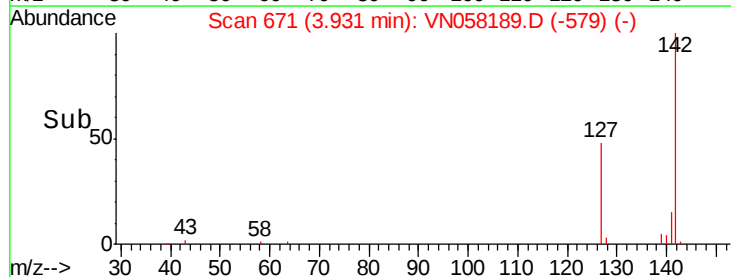
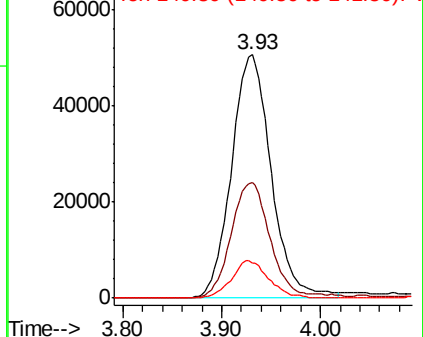
141 14.4 11.4 17.2

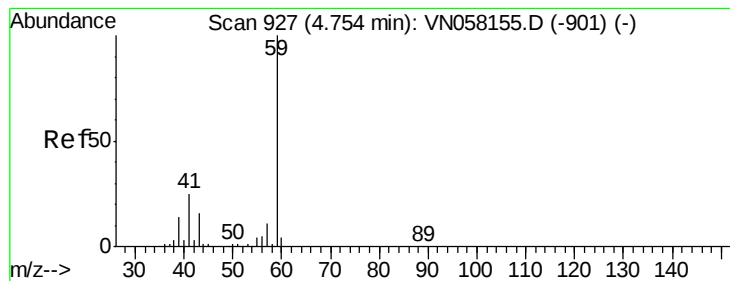


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



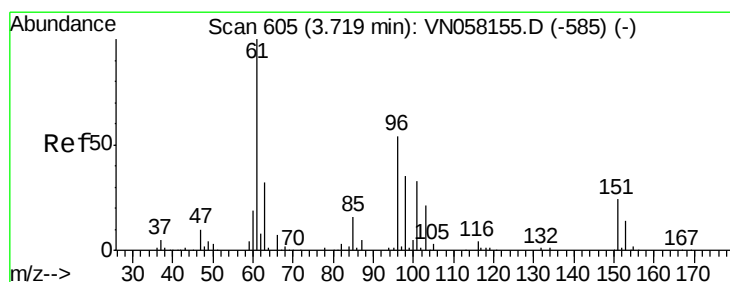
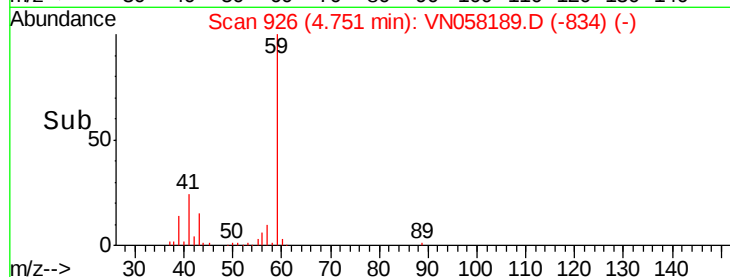
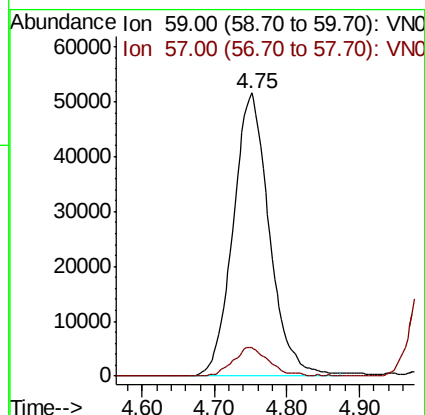
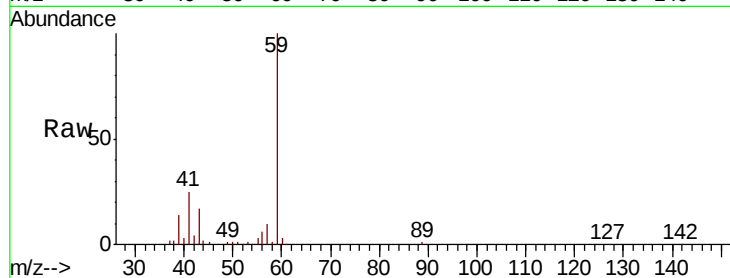


#11

Tert butyl alcohol
 Concen: 216.962 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :

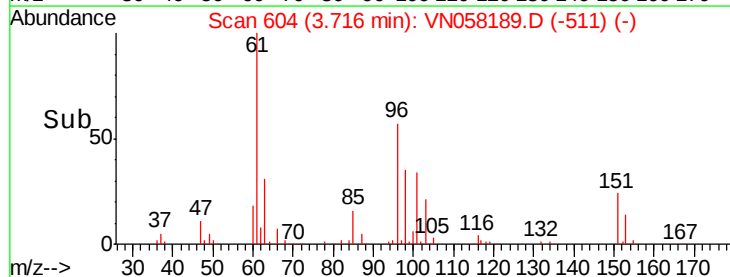
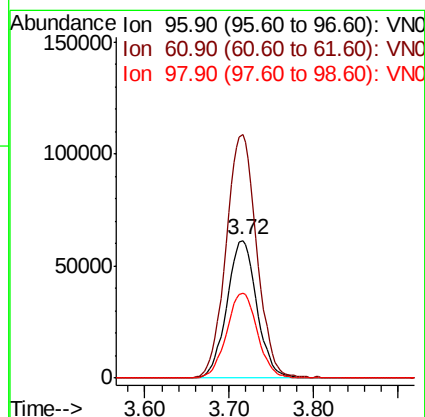
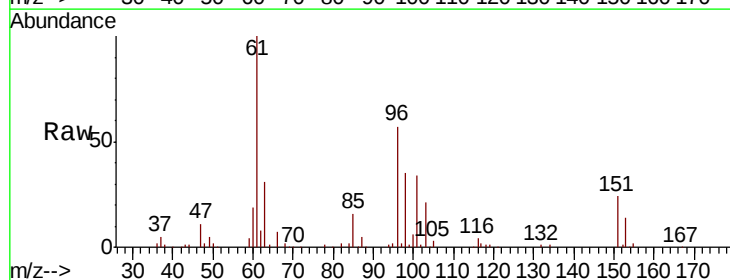
Tot Ion: 59 Resp: 179178
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.6 13.0

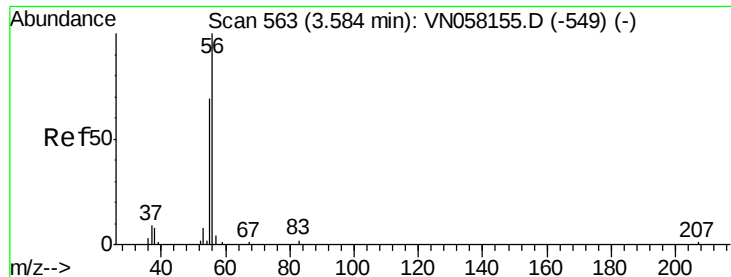


#12

1,1-Dichloroethene
 Concen: 49.728 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion: 96 Resp: 152083
 Ion Ratio Lower Upper
 96 100
 61 176.5 149.5 224.3
 98 61.9 52.4 78.6





#13

Acrolein

Concen: 350.704 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

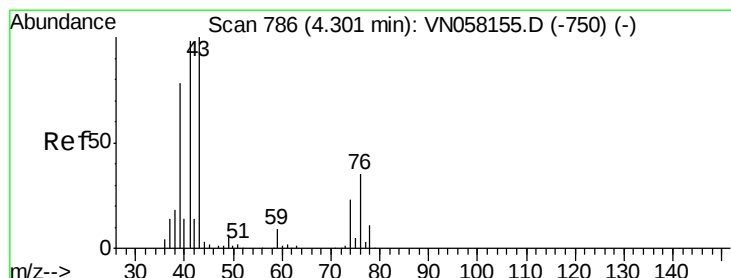
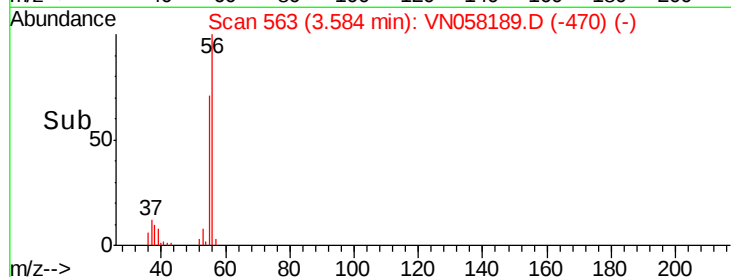
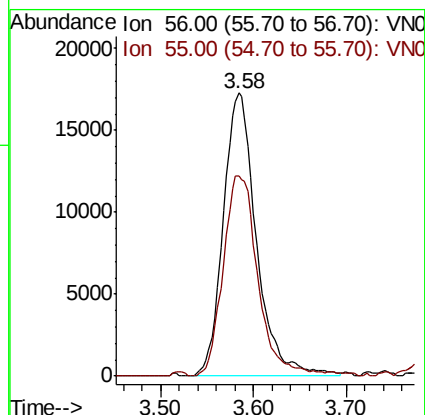
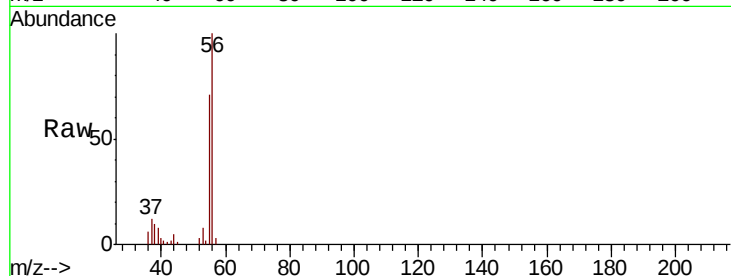
ClientSampleId :

Tot Ion: 56 Resp: 42922

Ion Ratio Lower Upper

56 100

55 73.9 56.1 84.1



#14

Allyl chloride

Concen: 46.807 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

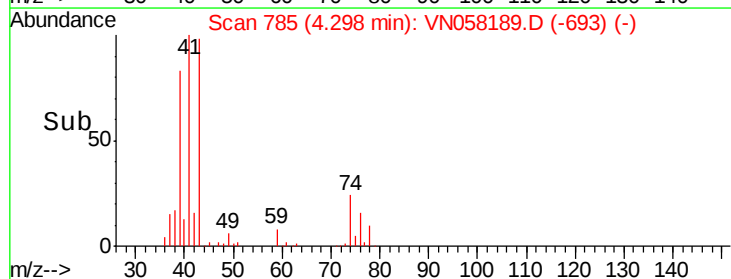
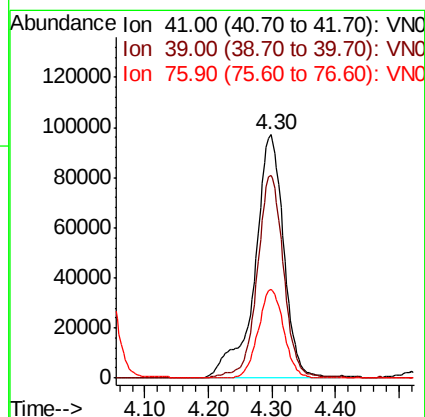
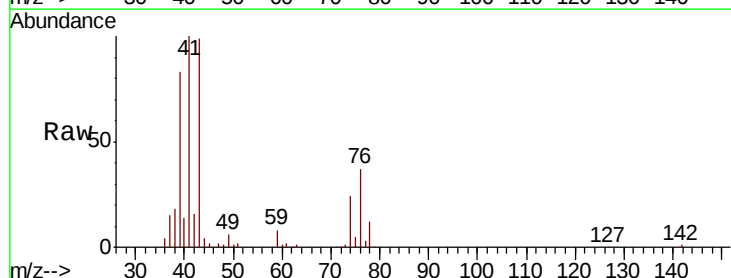
Tgt Ion: 41 Resp: 308647

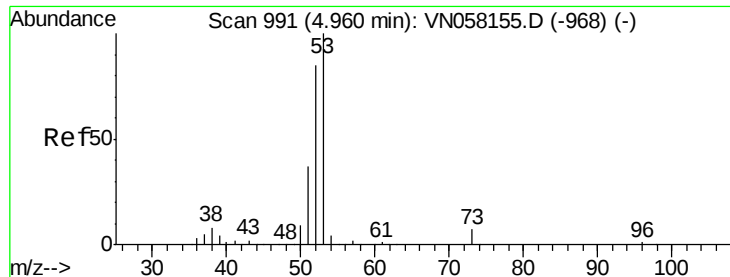
Ion Ratio Lower Upper

41 100

39 75.6 59.1 88.7

76 32.1 25.1 37.7





#15

Acrylonitrile

Concen: 238.342 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

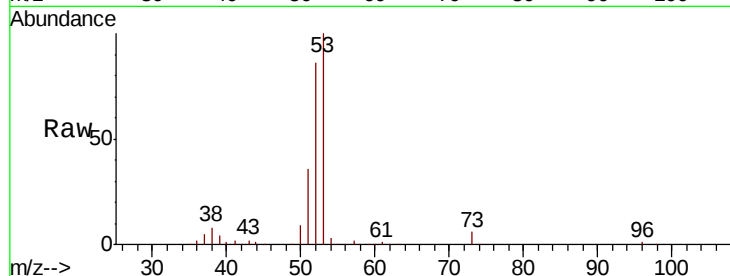
Tot Ion: 53 Resp: 524423

Ion Ratio Lower Upper

53 100

52 84.0 66.6 100.0

51 36.9 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN058189.D (-989) (-)

Ion 52.00 (51.70 to 52.70): VN058189.D (-989) (-)

Ion 51.00 (50.70 to 51.70): VN058189.D (-989) (-)

4.95

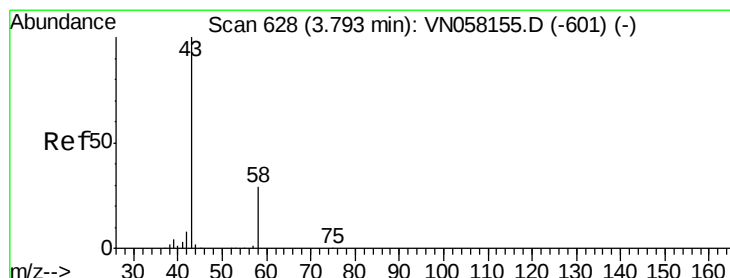
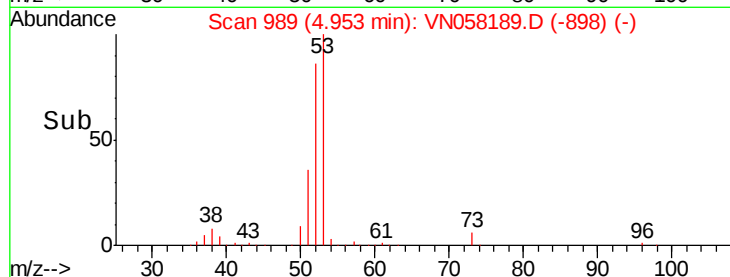
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 271.147 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058189.D

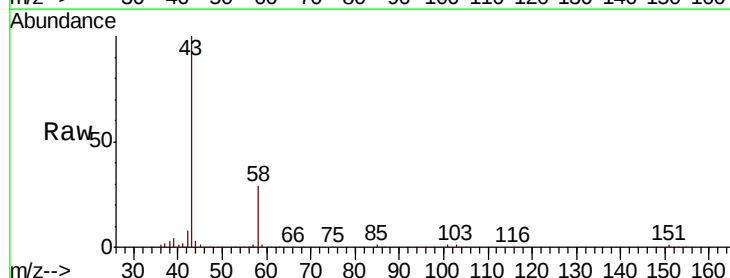
Acq: 19 Sep 2019 8:55

Tgt Ion: 43 Resp: 638993

Ion Ratio Lower Upper

43 100

58 29.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058189.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058189.D (-535) (-)

3.79

250000

200000

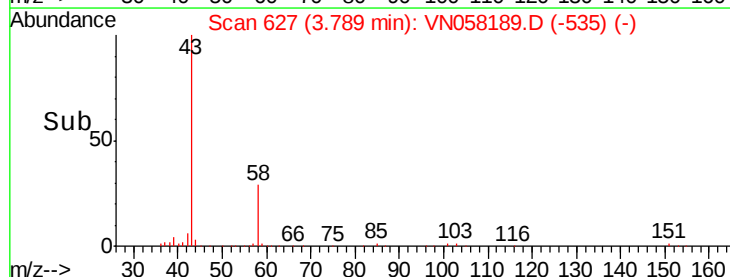
150000

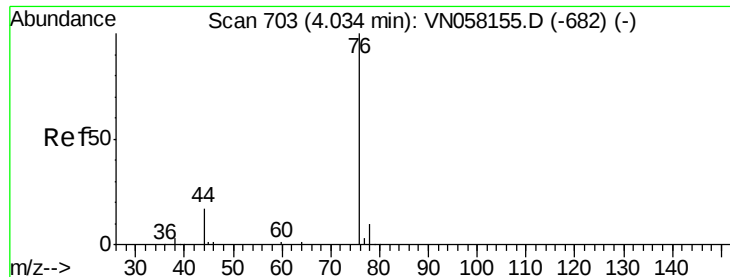
100000

50000

0

Time-->

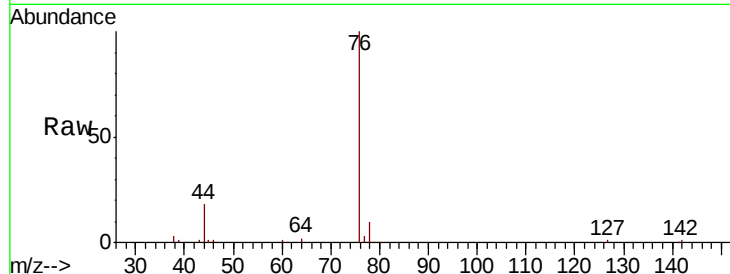




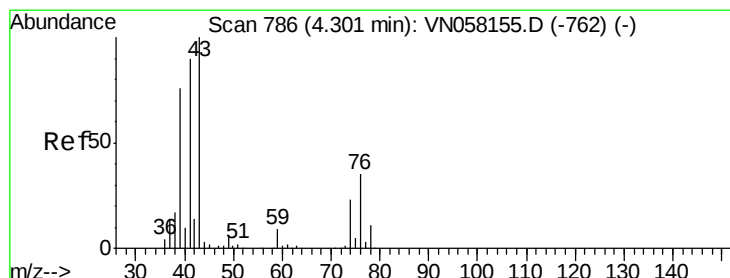
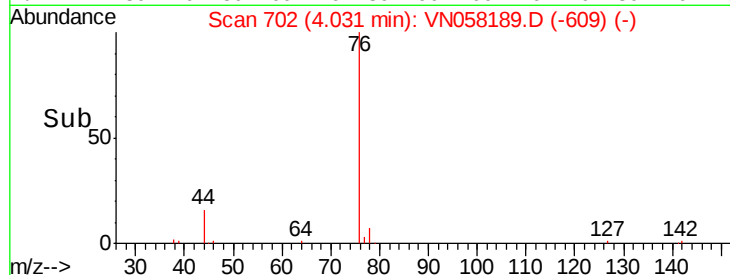
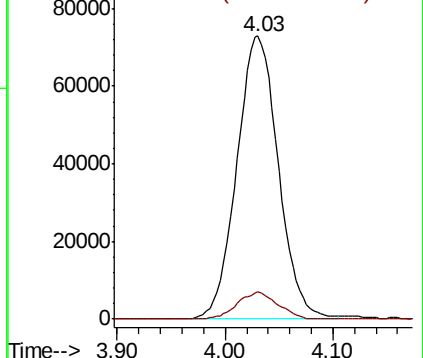
#17
Carbon Disulfide
Concen: 45.369 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 195188
Ion Ratio Lower Upper
76 100
78 9.7 7.7 11.5

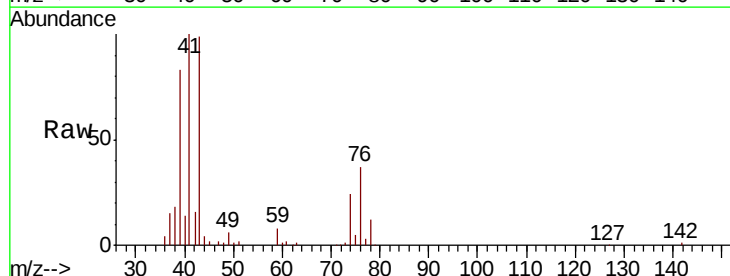


Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC

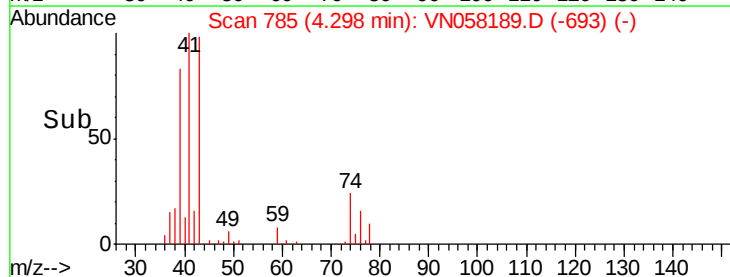
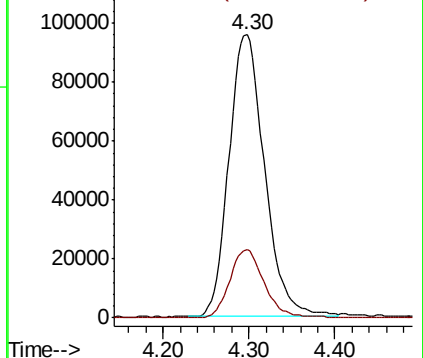


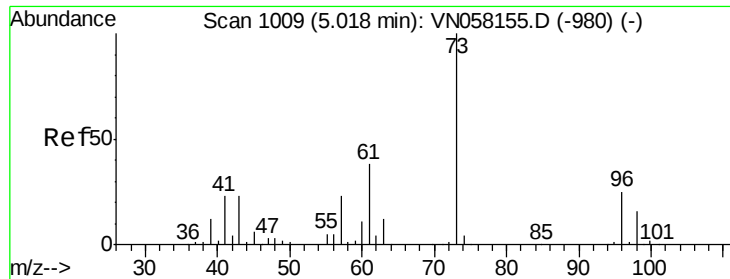
#18
Methyl Acetate
Concen: 44.528 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 43 Resp: 276122
Ion Ratio Lower Upper
43 100
74 23.2 18.0 27.0



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

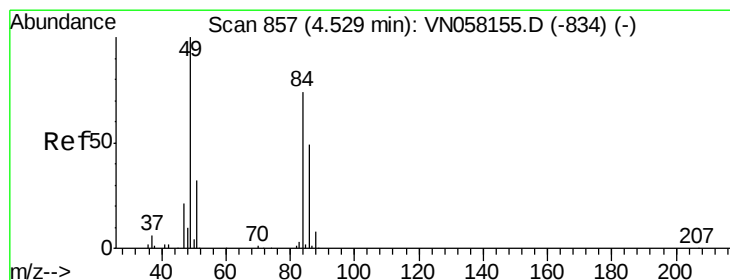
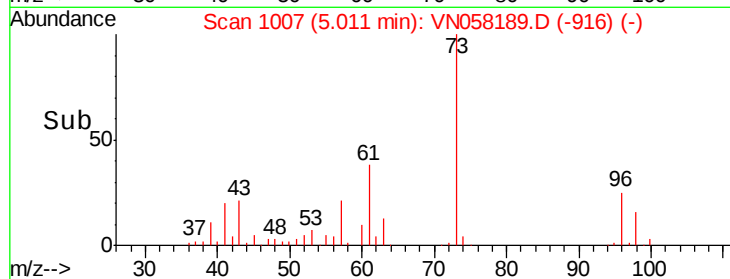
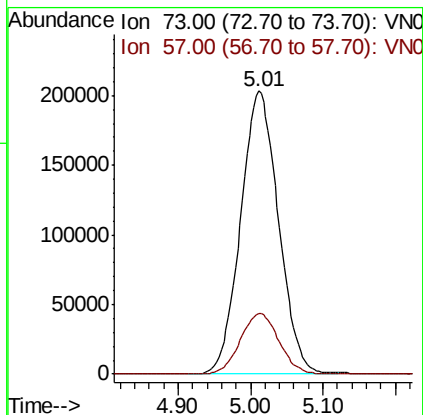
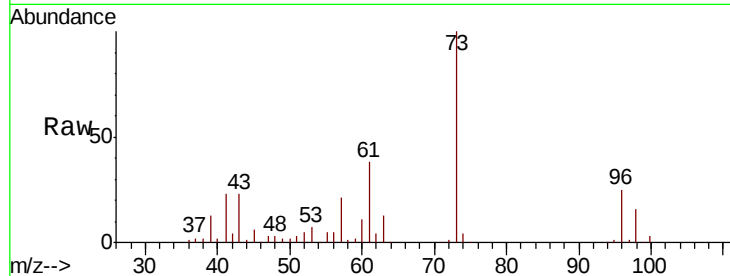




#19
Methvl tert-butvl Ether
Concen: 48.547 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

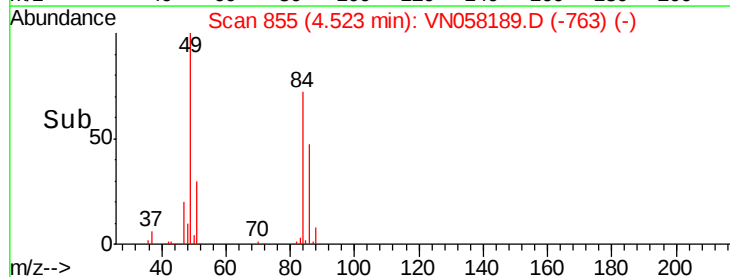
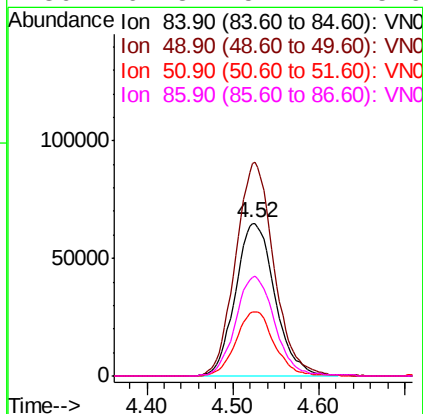
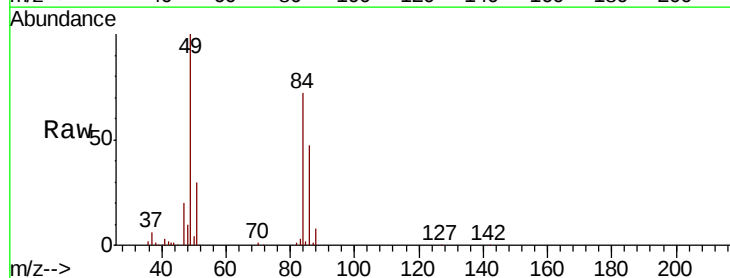
Instrument :
MSVOA_N
ClientSampleId :

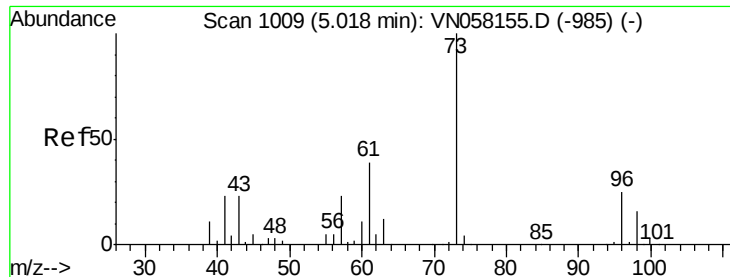
Tot Ion: 73 Resp: 737861
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1



#20
Methylene Chloride
Concen: 50.147 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 84 Resp: 206901
Ion Ratio Lower Upper
84 100
49 139.0 107.5 161.3
51 42.0 33.9 50.9
86 64.8 52.4 78.6

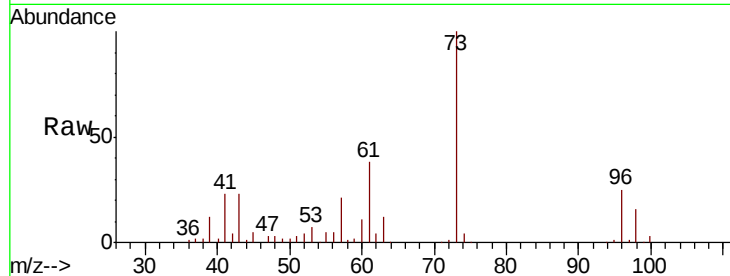




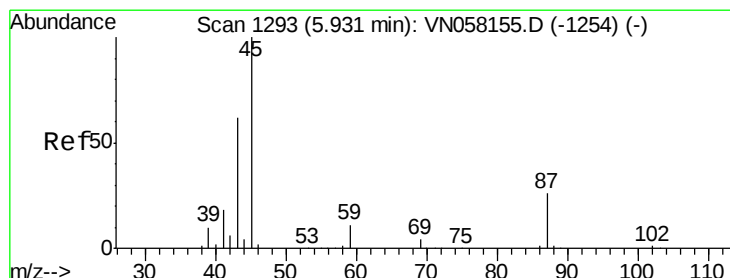
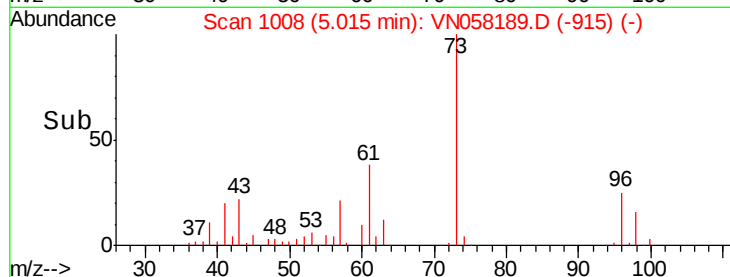
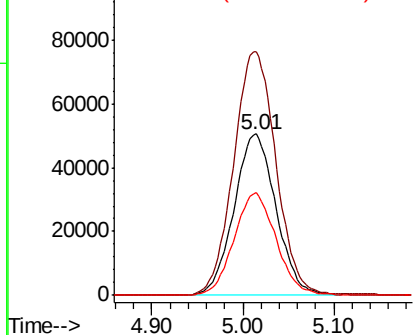
#21
trans-1,2-Dichloroethene
Concen: 48.523 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 161737
Ion Ratio Lower Upper
96 100
61 150.4 122.2 183.4
98 63.6 49.9 74.9

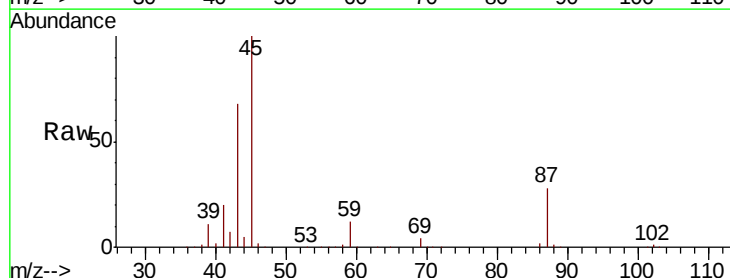


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

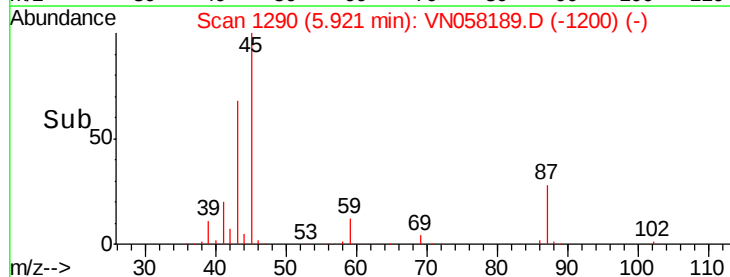
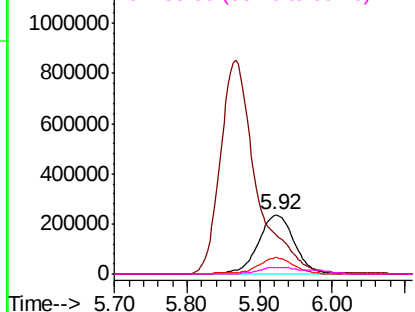


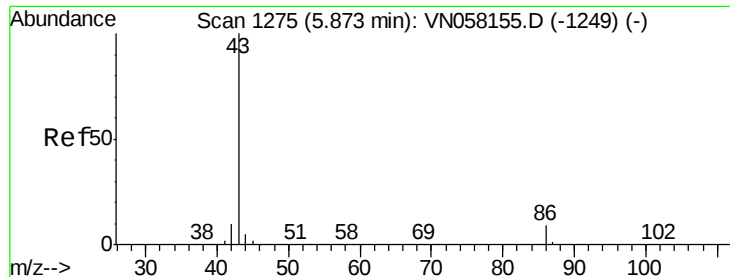
#22
Diisopropyl ether
Concen: 48.669 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 45 Resp: 815208
Ion Ratio Lower Upper
45 100
43 67.3 49.7 74.5
87 27.3 20.7 31.1
59 11.5 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

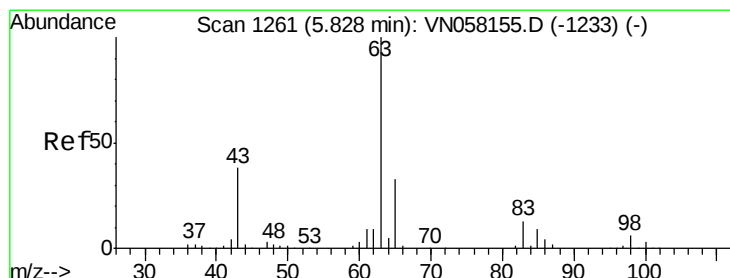
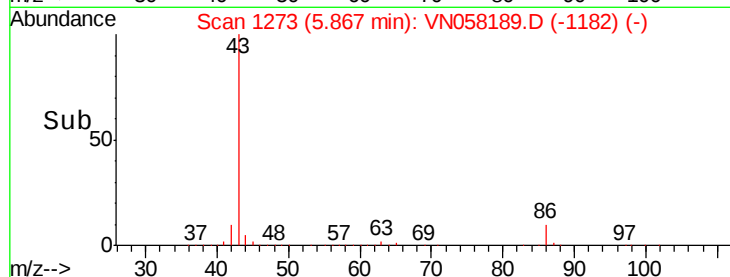
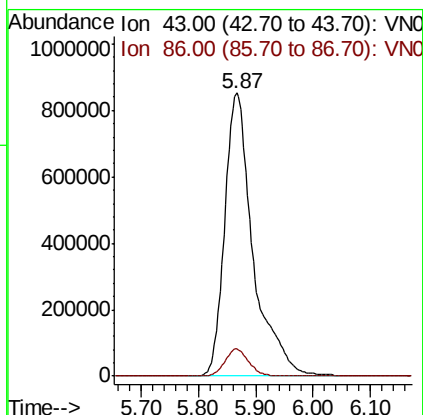
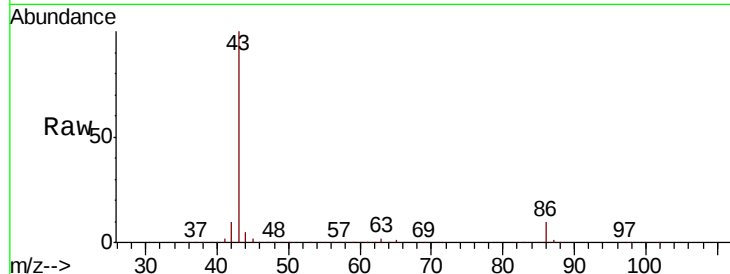




#23
 Vinyl Acetate
 Concen: 256.442 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

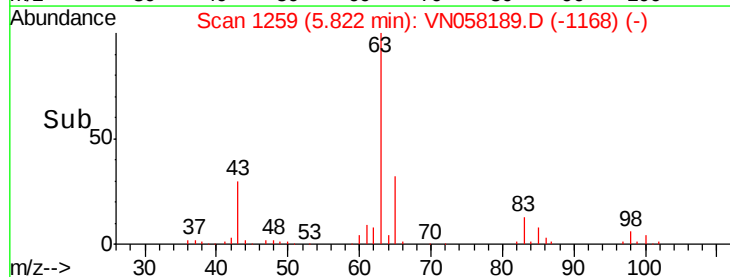
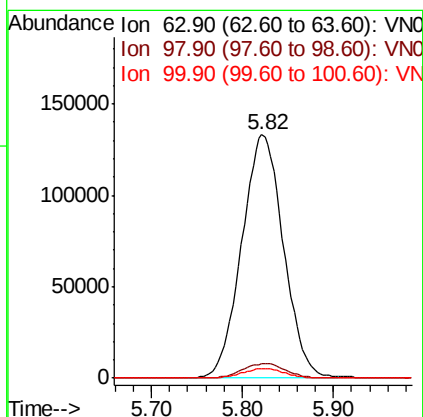
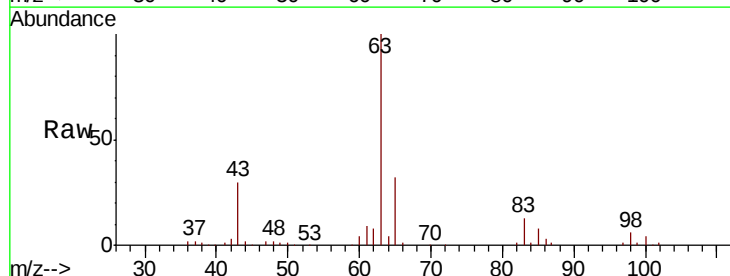
Instrument :
 MSVOA_N
 ClientSampleId :

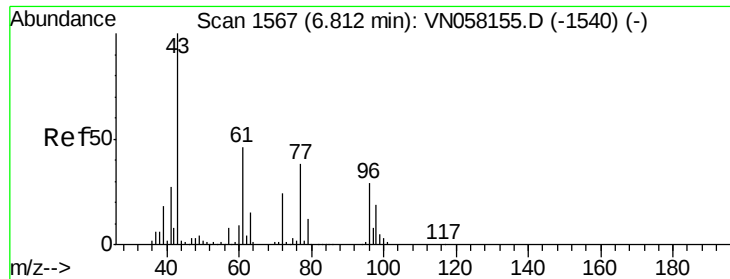
Tot Ion: 43 Resp: 2939190
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 47.419 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion: 63 Resp: 423919
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 252.241 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

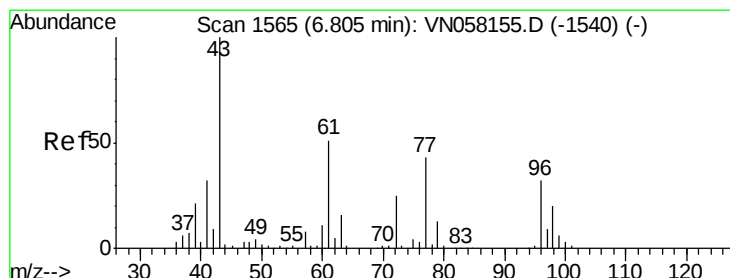
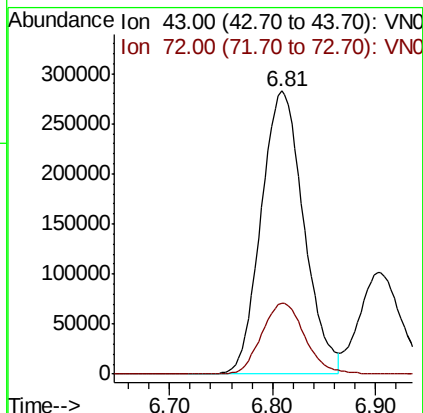
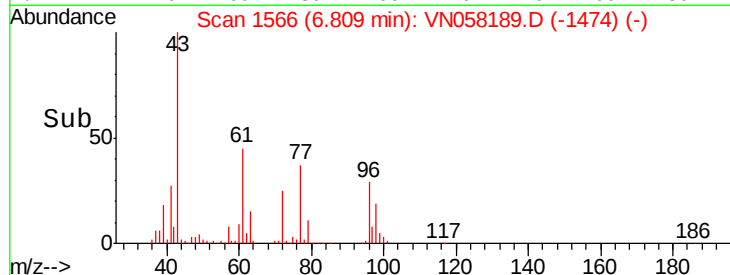
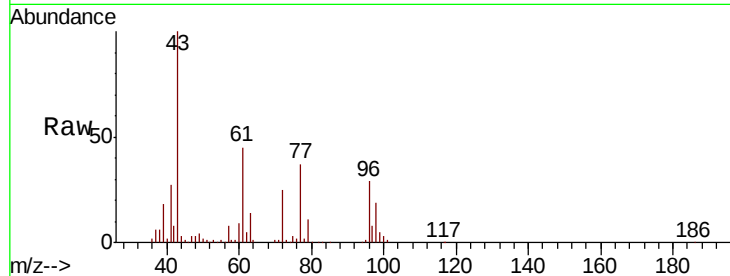
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 809850

Ion Ratio Lower Upper

43 100

72 25.3 19.5 29.3



#26

2,2-Dichloropropane

Concen: 47.421 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058189.D

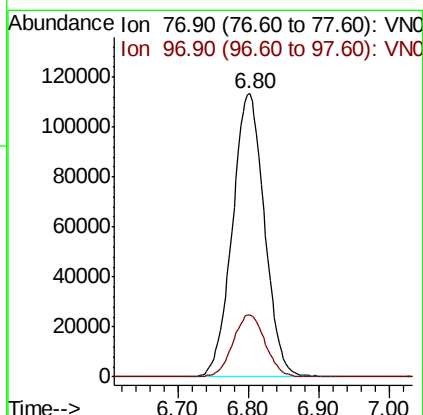
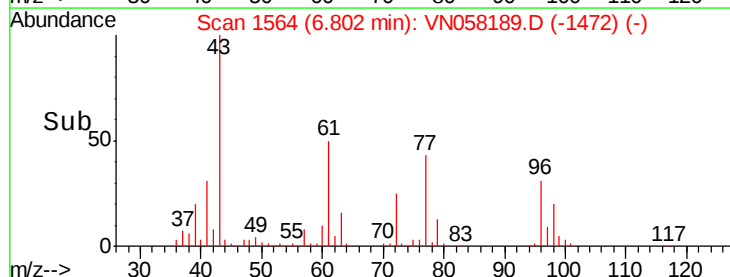
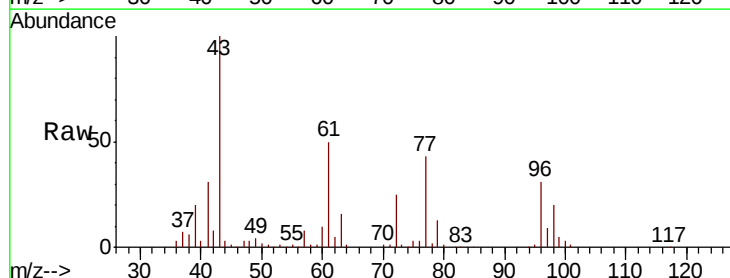
Acq: 19 Sep 2019 8:55

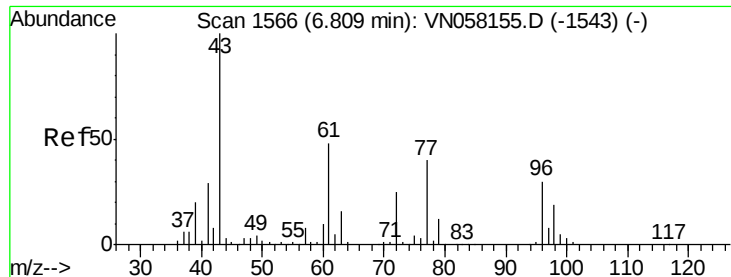
Tgt Ion: 77 Resp: 359653

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 48.030 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :

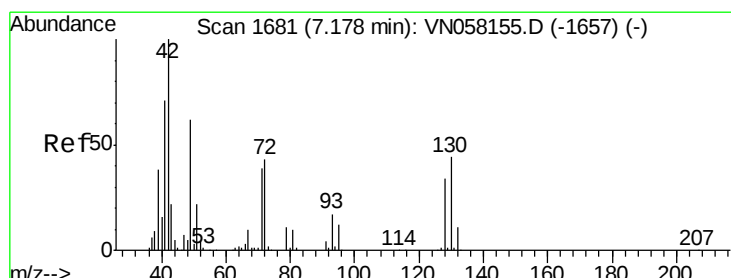
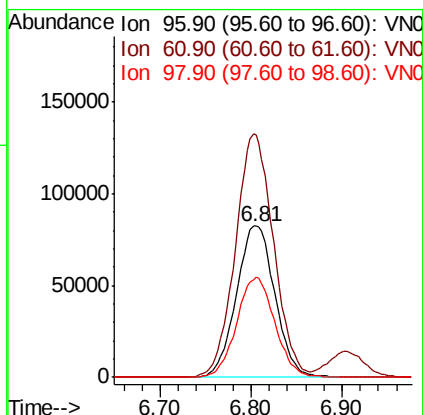
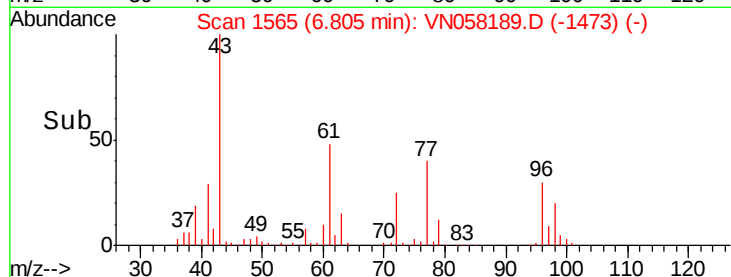
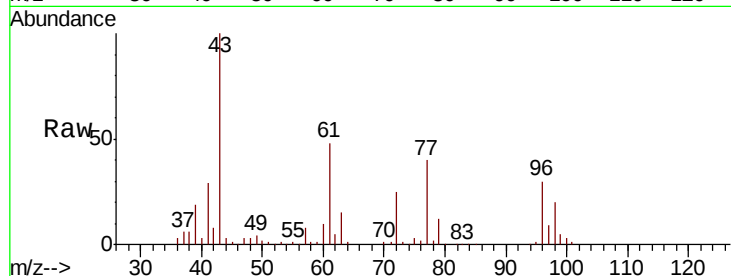
Tot Ion: 96 Resp: 242788

Ion Ratio Lower Upper

96 100

61 159.2 0.0 319.0

98 65.3 0.0 126.6



#28

Bromochloromethane

Concen: 50.270 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

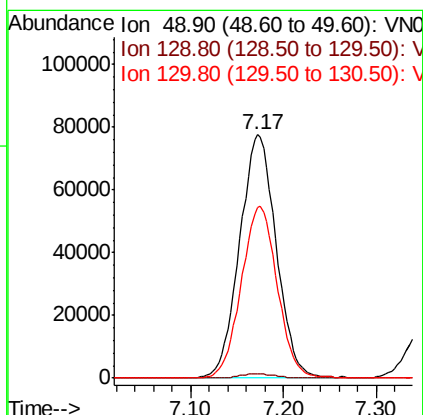
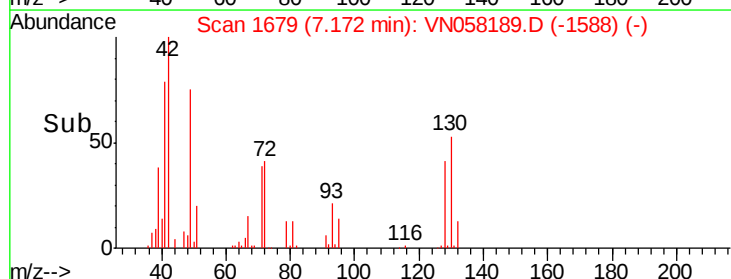
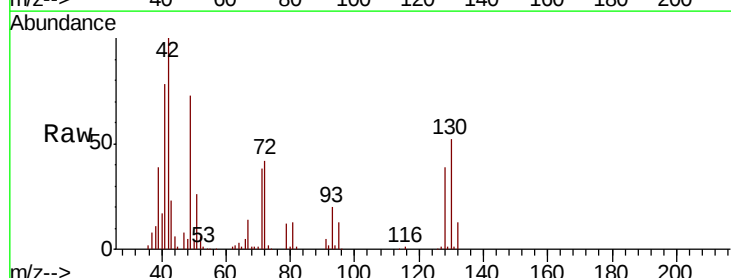
Tgt Ion: 49 Resp: 212597

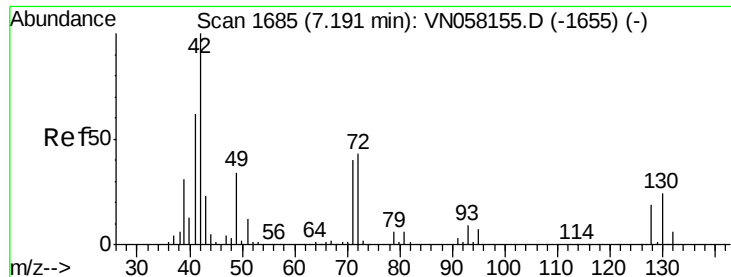
Ion Ratio Lower Upper

49 100

129 1.8 0.0 1.8

130 69.5 55.4 83.2

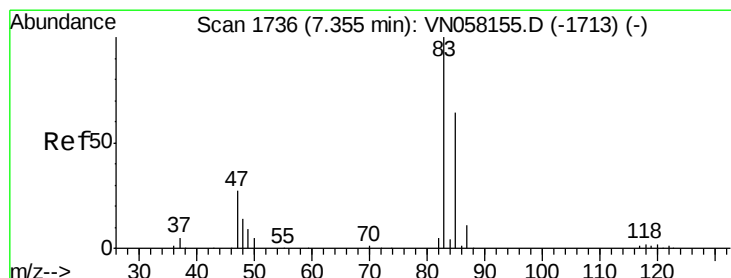
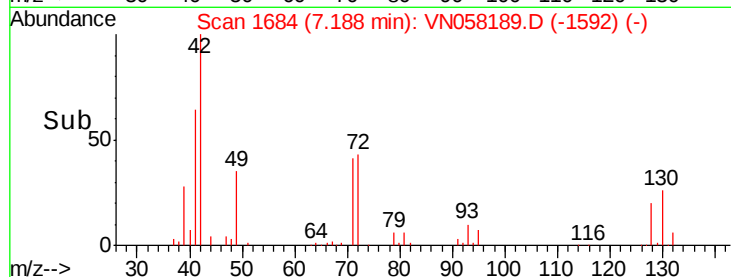
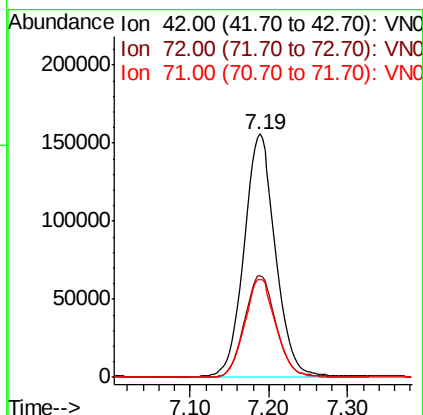
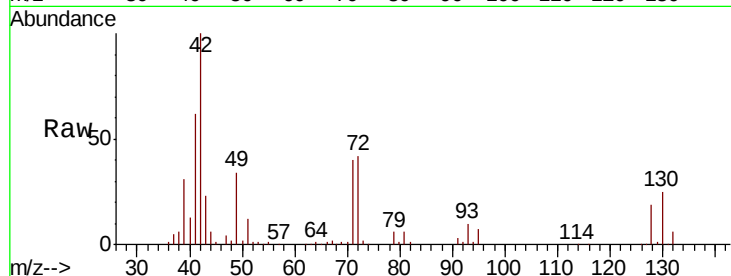




#29
Tetrahydrofuran
Concen: 221.563 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

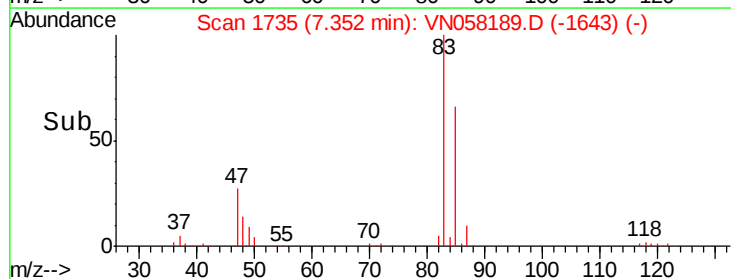
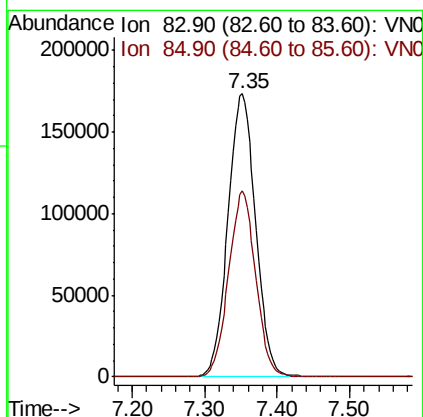
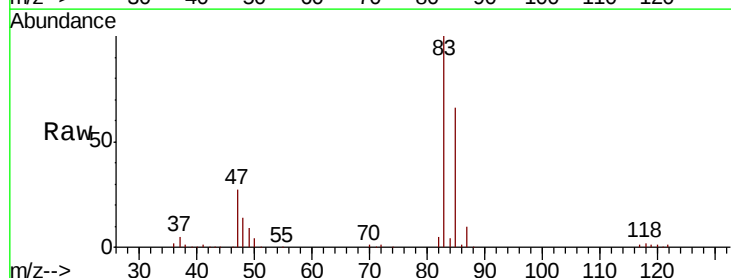
Instrument :
MSVOA_N
ClientSampled :

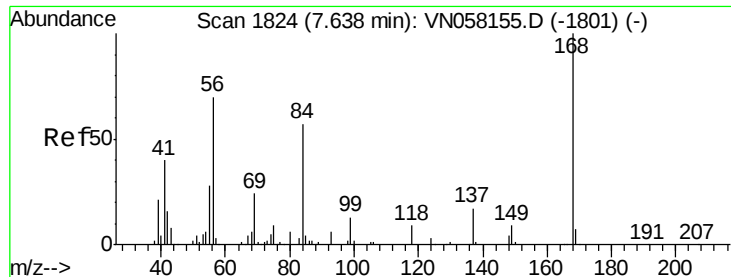
Tot Ion: 42 Resp: 438176
Ion Ratio Lower Upper
42 100
72 42.2 33.8 50.6
71 40.3 31.4 47.0



#30
Chloroform
Concen: 47.890 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 83 Resp: 460843
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.2

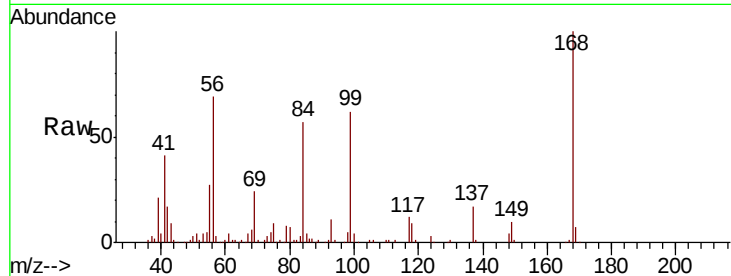




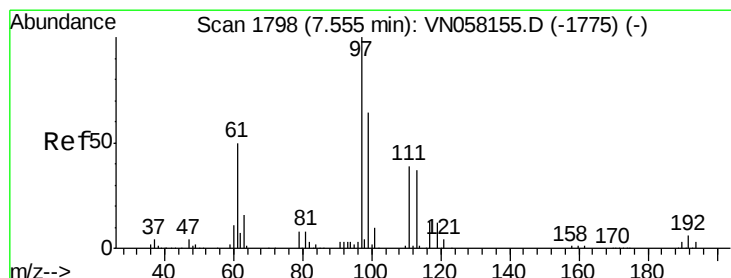
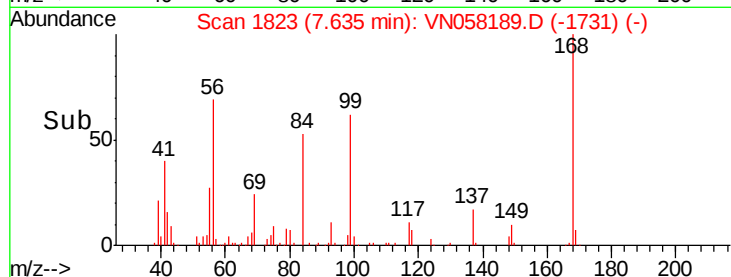
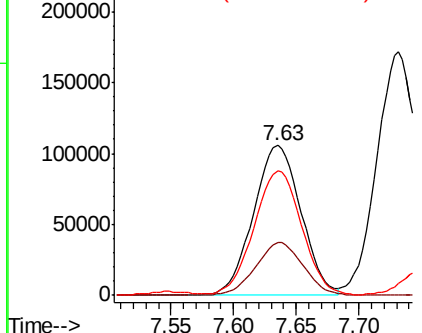
#31
Cyclohexane
Concen: 48.400 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 280137
Ion Ratio Lower Upper
56 100
69 34.9 27.3 40.9
84 81.4 65.0 97.4

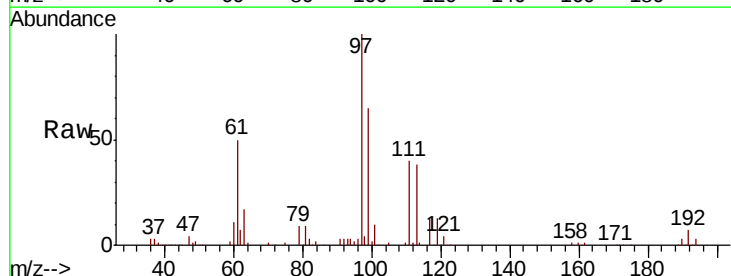


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

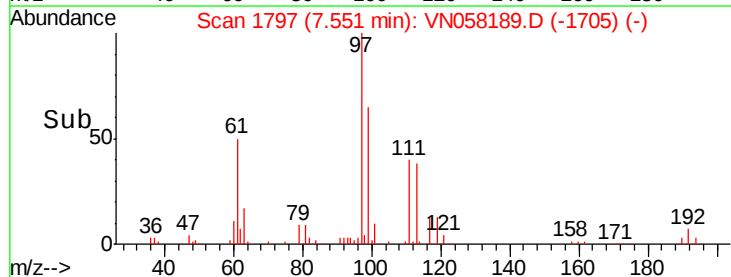
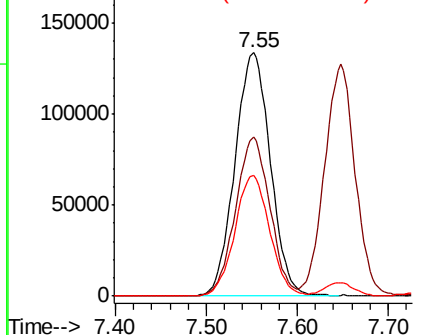


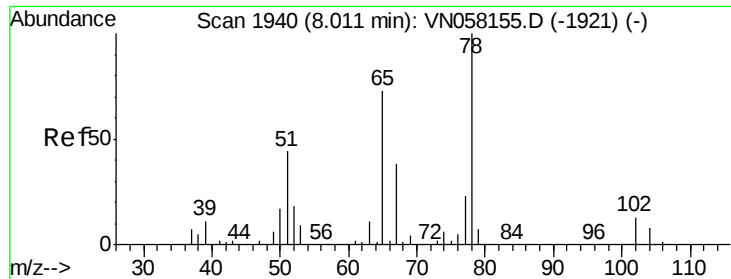
#32
1,1,1-Trichloroethane
Concen: 49.453 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 97 Resp: 362283
Ion Ratio Lower Upper
97 100
99 63.6 50.9 76.3
61 48.9 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.611 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

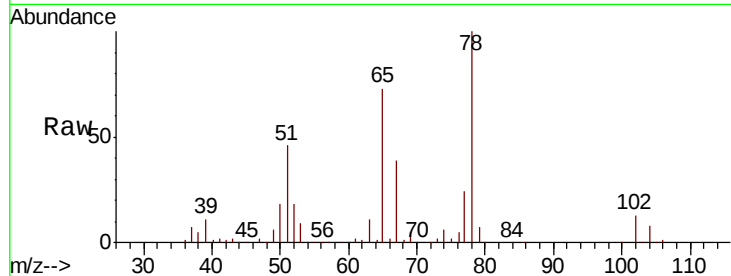
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 358318

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN058155.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058155.D (-1921) (-)

8.01

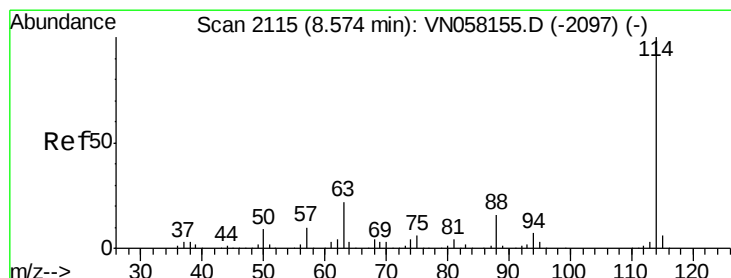
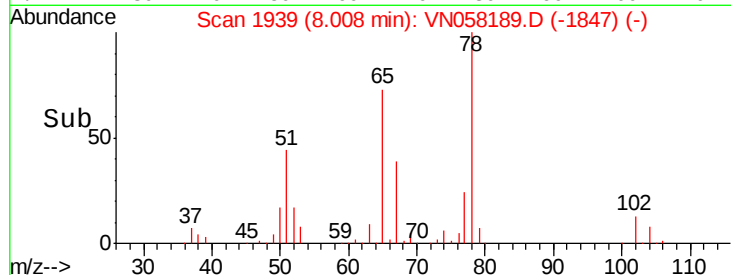
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

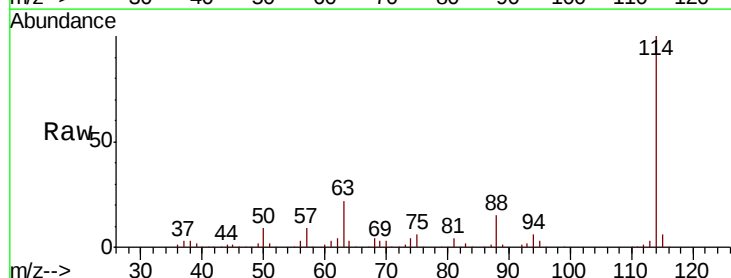
Tgt Ion: 114 Resp: 843861

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

88 15.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN058155.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058155.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058155.D (-2097) (-)

8.57

500000

400000

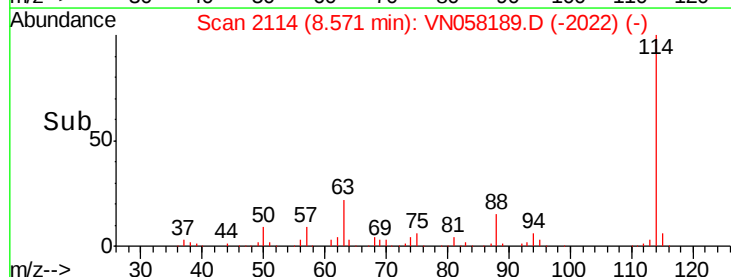
300000

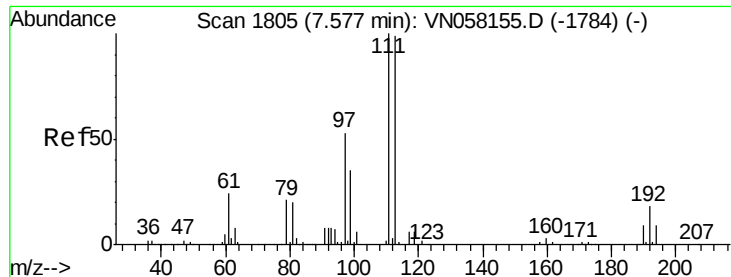
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70

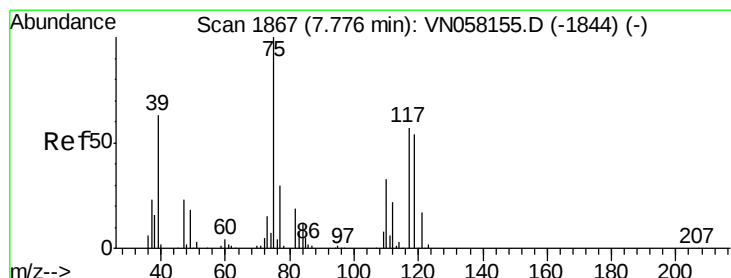
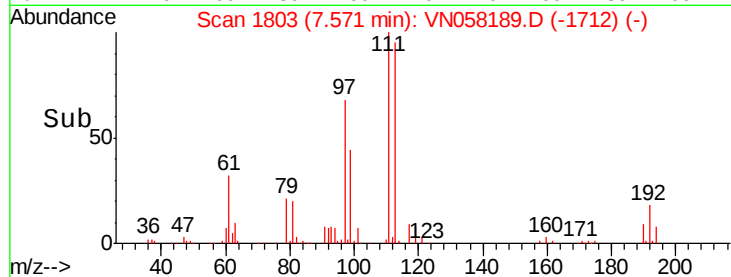
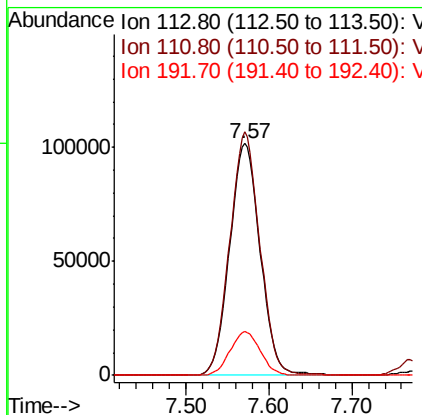
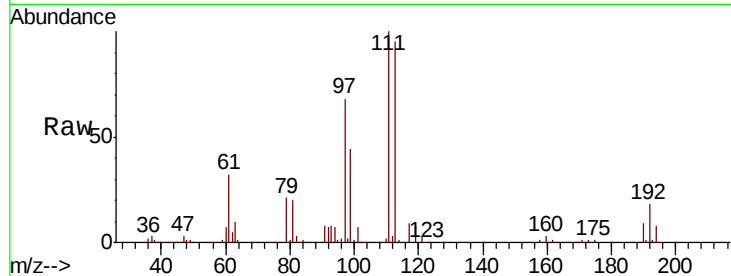




#35
 Dibromofluoromethane
 Concen: 50.737 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

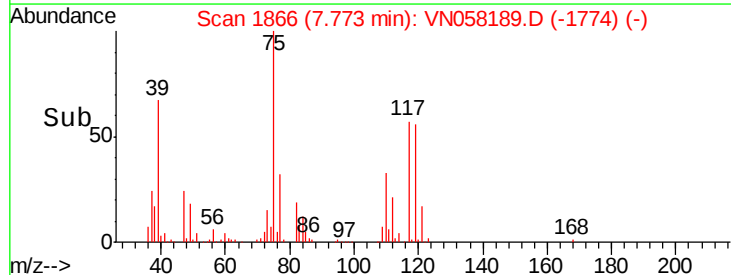
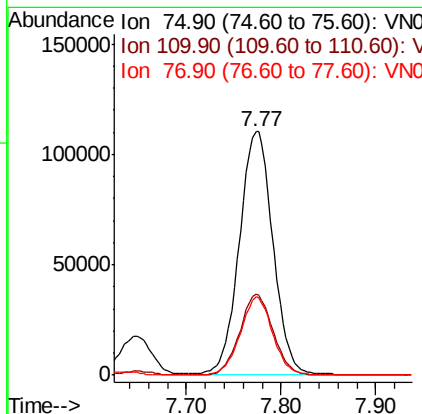
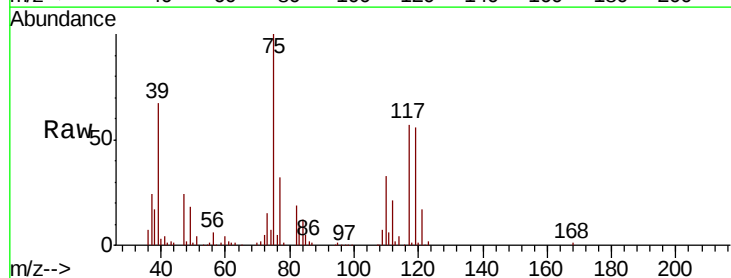
Instrument :
 MSVOA_N
 ClientSampled :

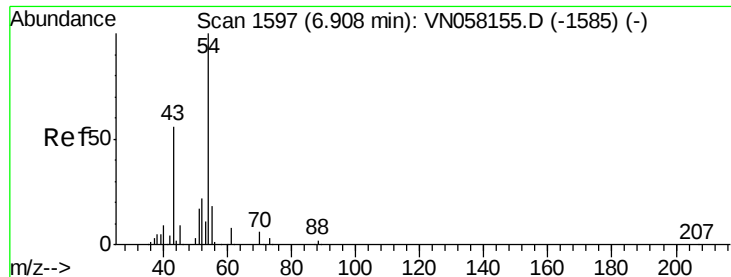
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	18.7	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 44.540 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.7
77	31.1	24.3	36.5

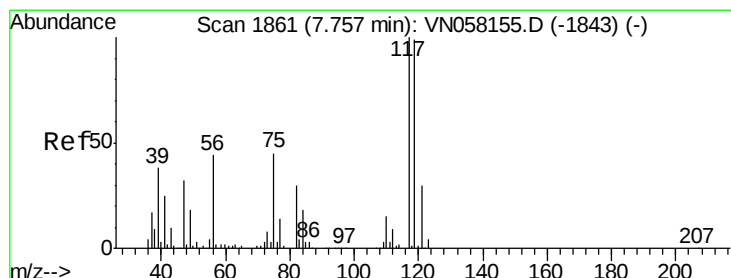
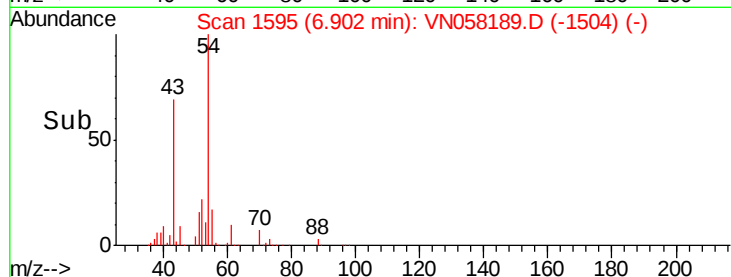
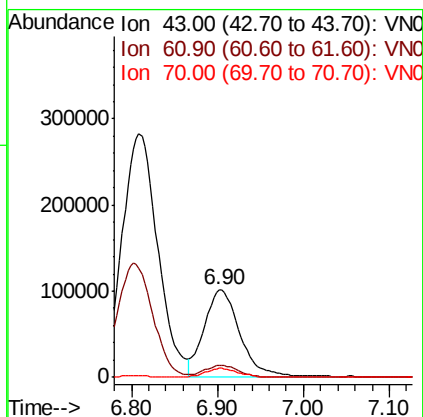
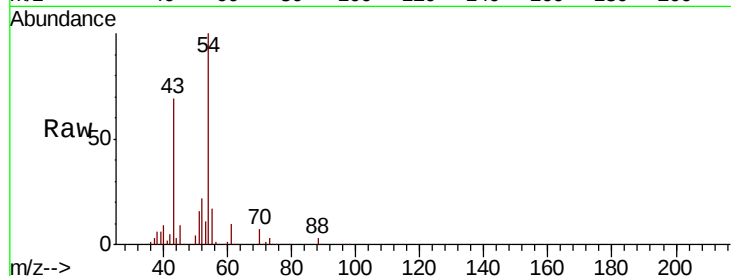




#37
Ethyl Acetate
Concen: 45.993 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

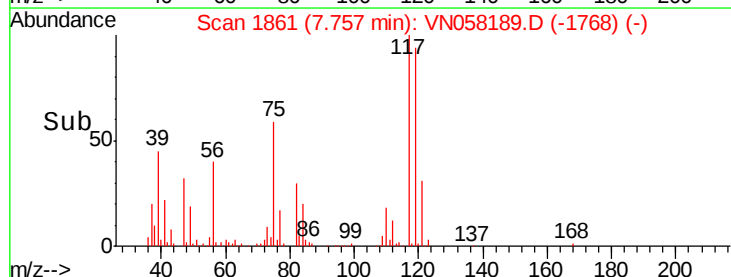
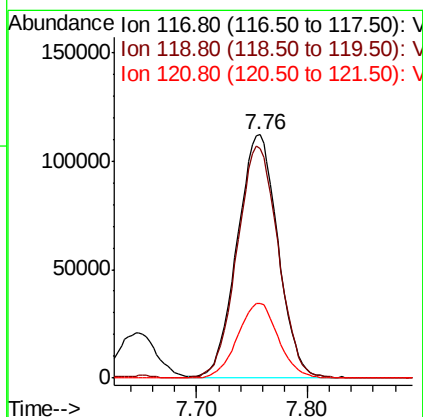
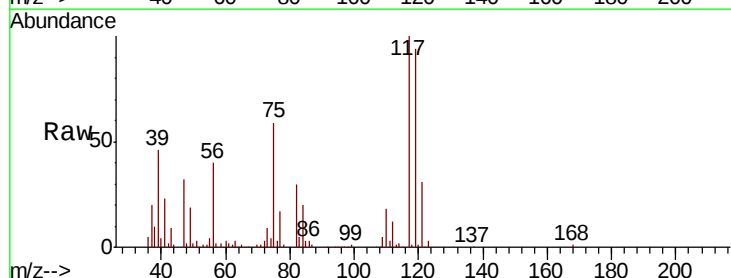
Instrument :
MSVOA_N
ClientSampleId :

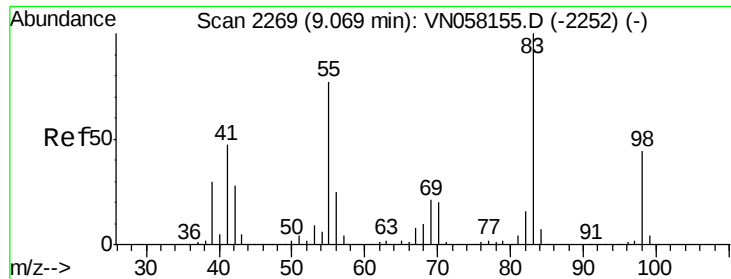
Tot Ion: 43 Resp: 290467
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 9.2 7.6 11.4



#38
Carbon Tetrachloride
Concen: 46.640 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 117 Resp: 285310
Ion Ratio Lower Upper
117 100
119 94.7 78.6 117.8
121 30.9 24.1 36.1

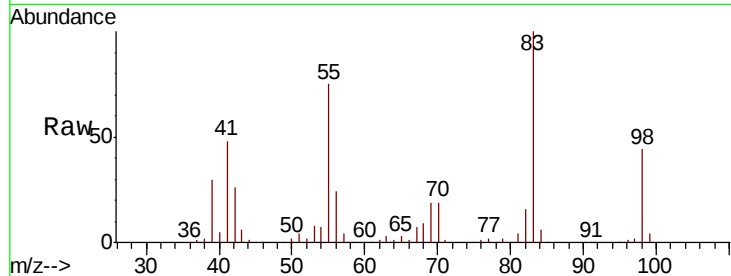




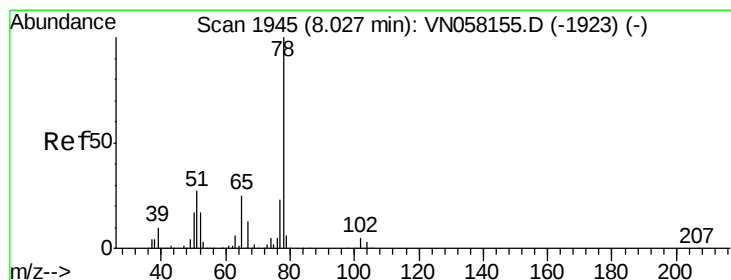
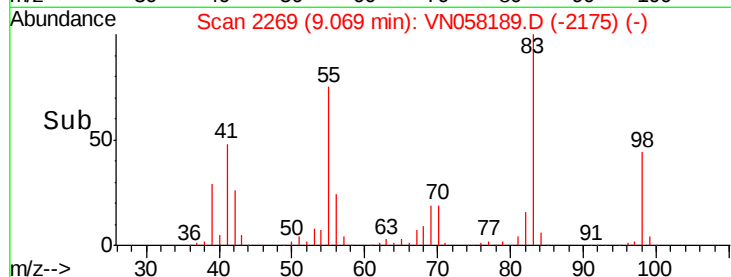
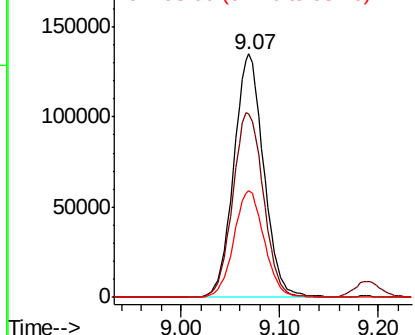
#39
Methvlcvclohexane
Concen: 48.315 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.9	92.9
98	44.0	35.4	53.2

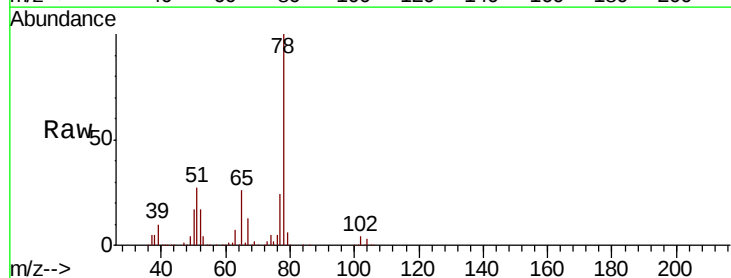


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

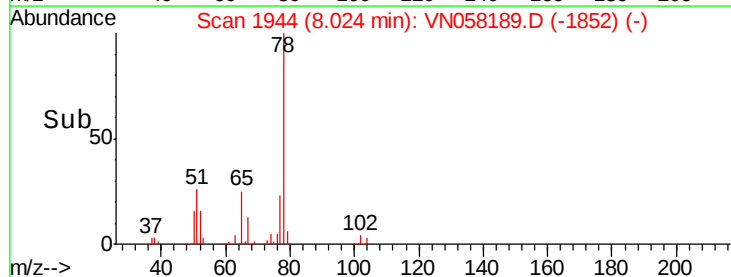
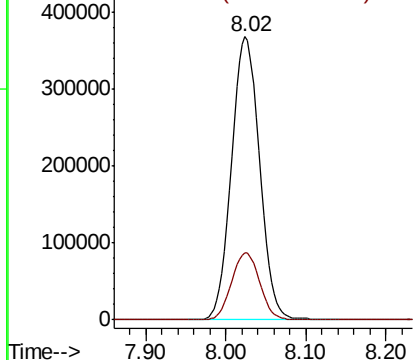


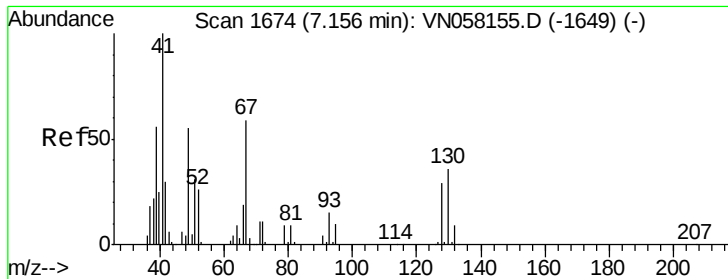
#40
Benzene
Concen: 47.072 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2



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

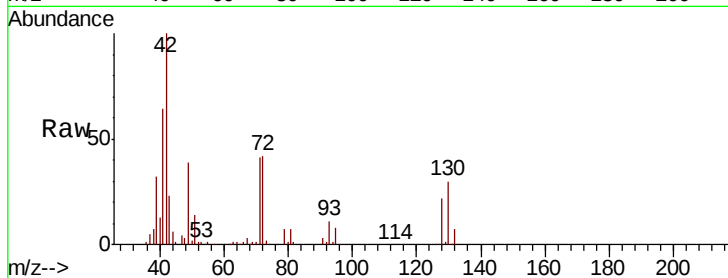




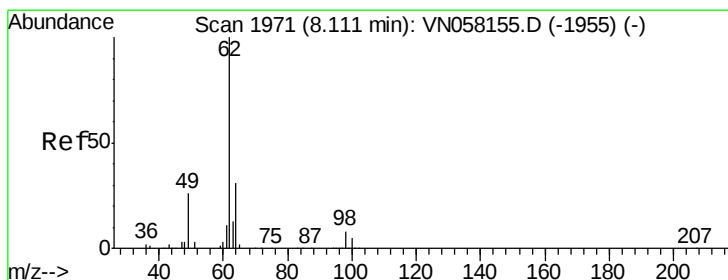
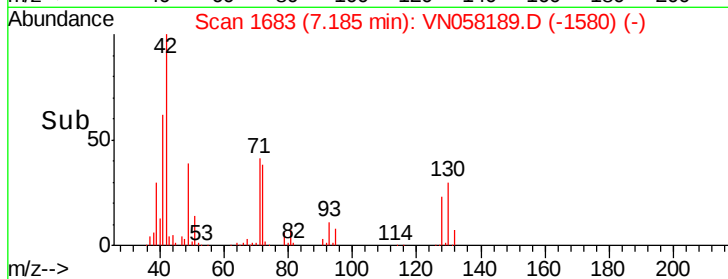
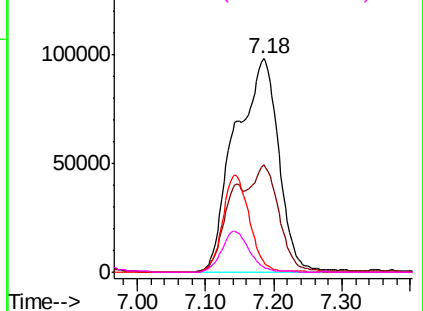
#41
Methacrylonitrile
Concen: 135.759 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	436986
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

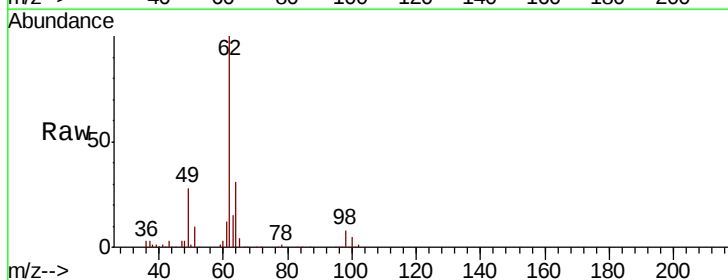


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

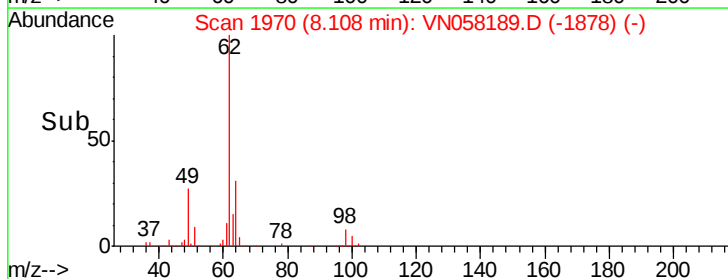
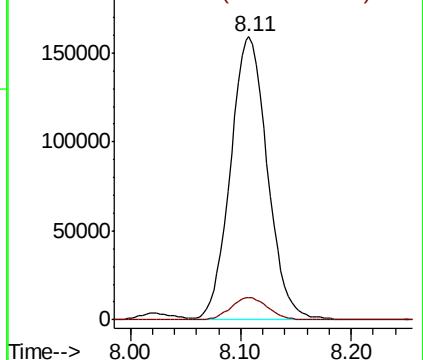


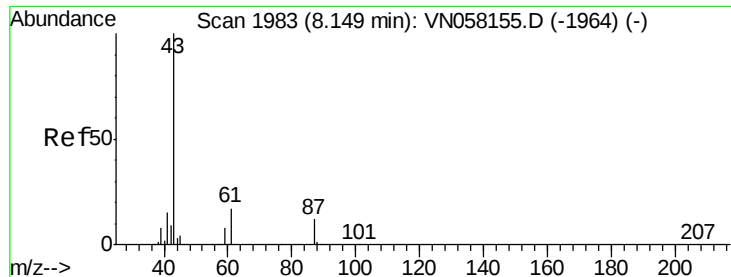
#42
1,2-Dichloroethane
Concen: 47.033 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion:	62	Resp:	366826
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6



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

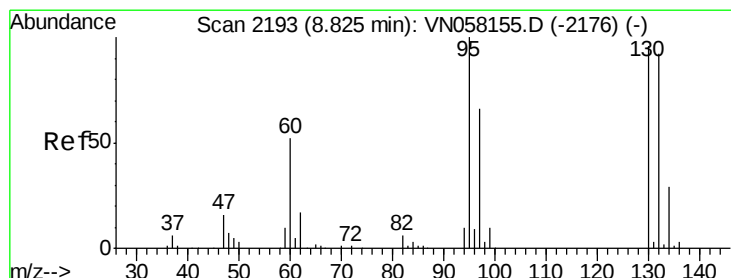
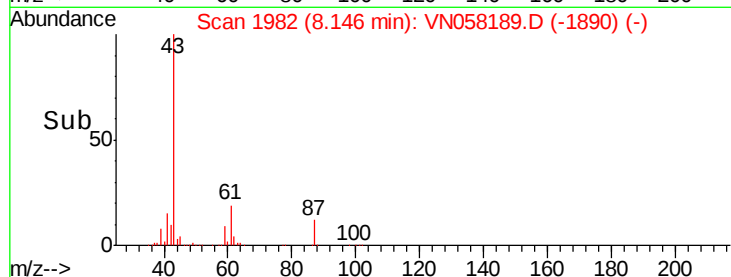
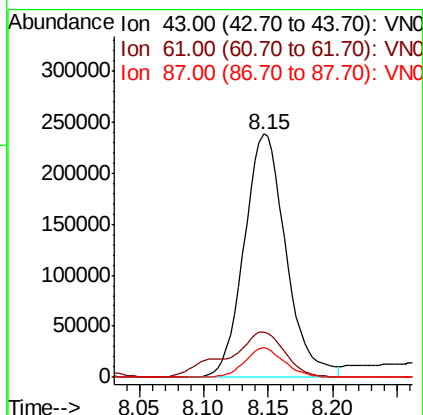
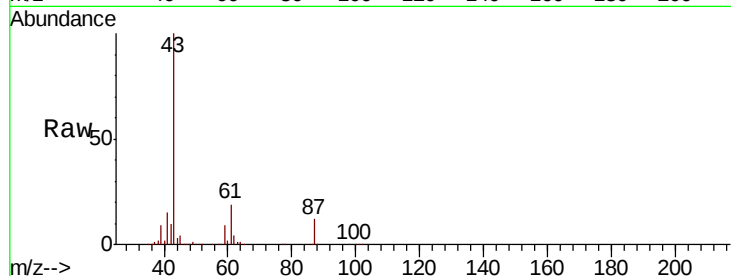




#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

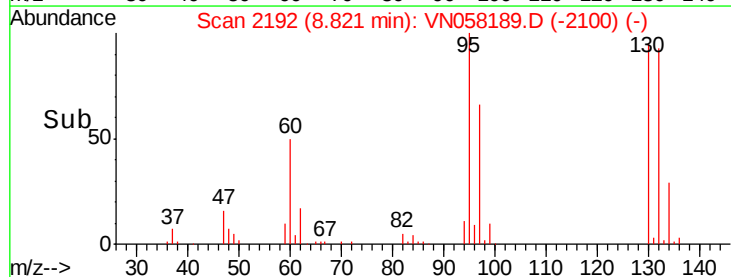
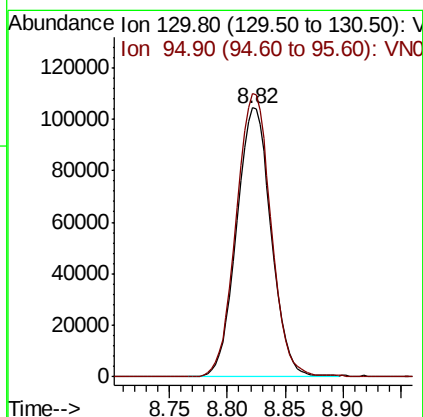
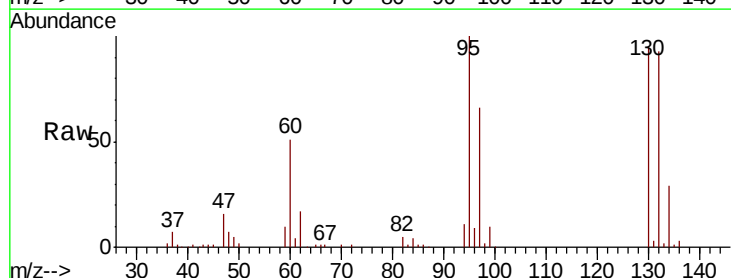
Instrument :
MSVOA_N
ClientSampleId :

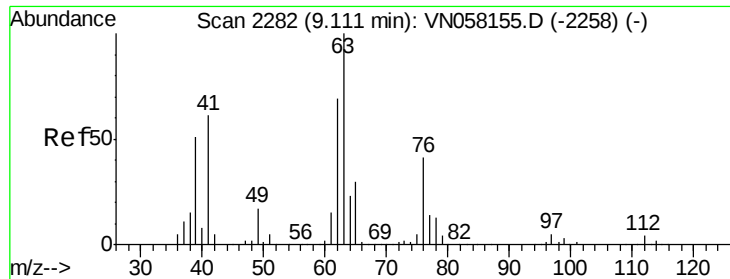
Tot Ion: 43 Resp: 536563
Ion Ratio Lower Upper
43 100
61 25.3 19.7 29.5
87 11.6 9.4 14.2



#44
Trichloroethene
Concen: 47.567 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion:130 Resp: 216361
Ion Ratio Lower Upper
130 100
95 105.1 0.0 207.8

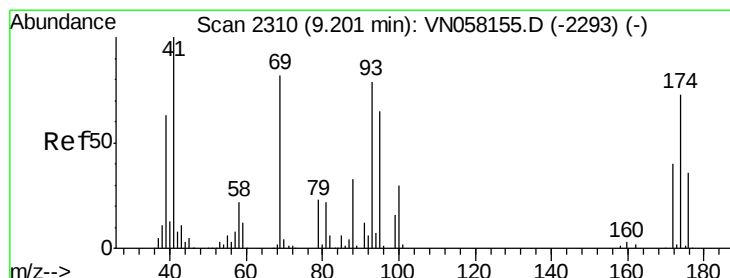
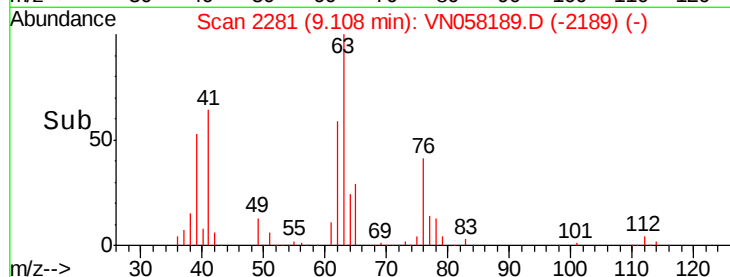
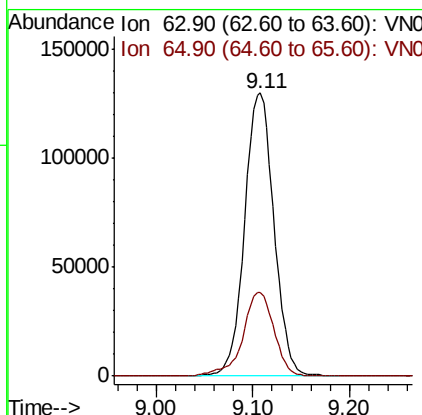
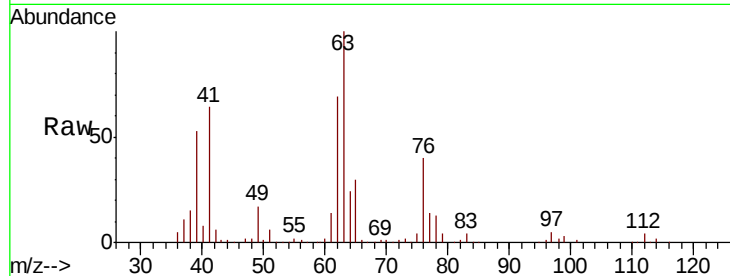




#45
 1,2-Dichloropropane
 Concen: 49.296 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

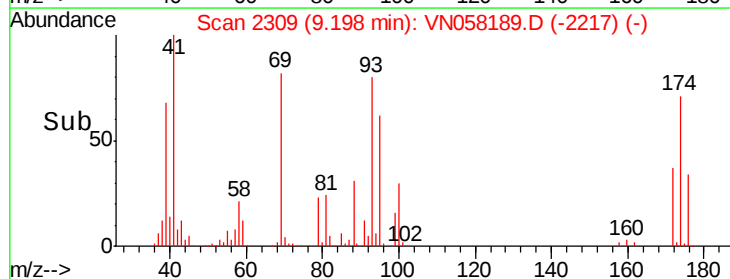
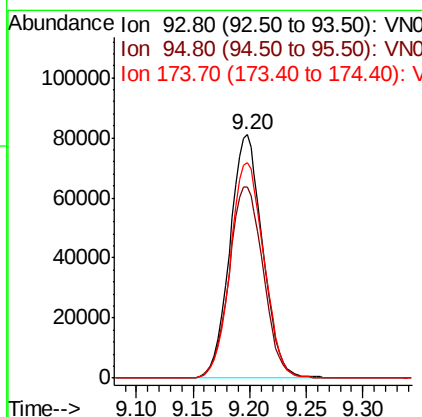
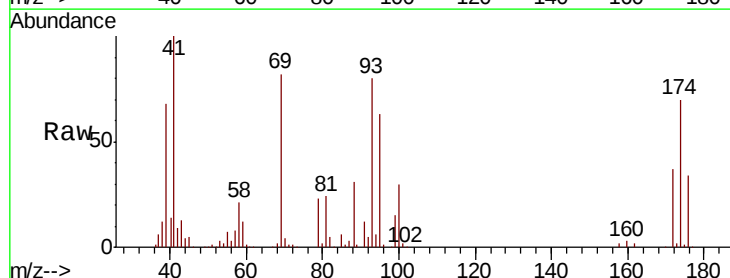
Instrument :
 MSVOA_N
 ClientSampleId :

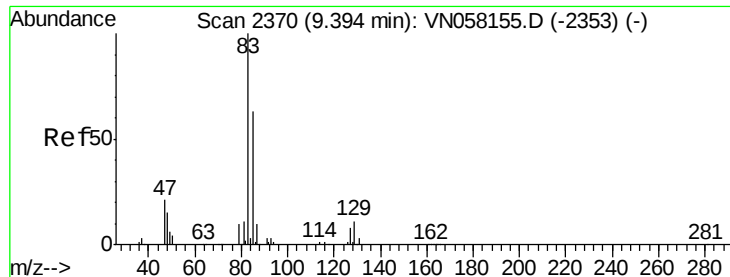
Tot Ion: 63 Resp: 273637
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.8 35.6



#46
 Dibromomethane
 Concen: 48.476 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion: 93 Resp: 163598
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.8 100.2
 174 90.9 73.8 110.8





#47

Bromodichloromethane

Concen: 50.622 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

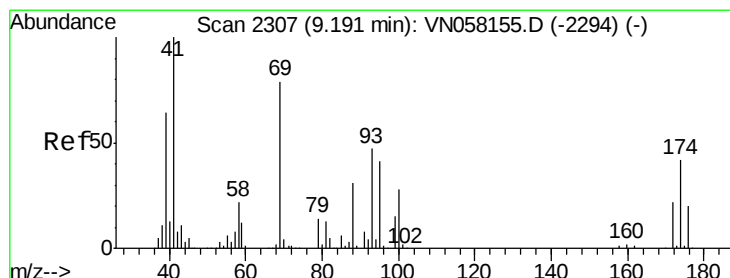
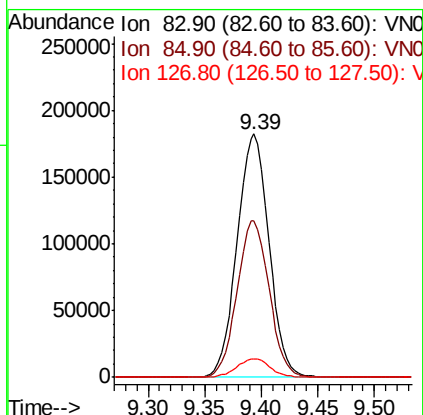
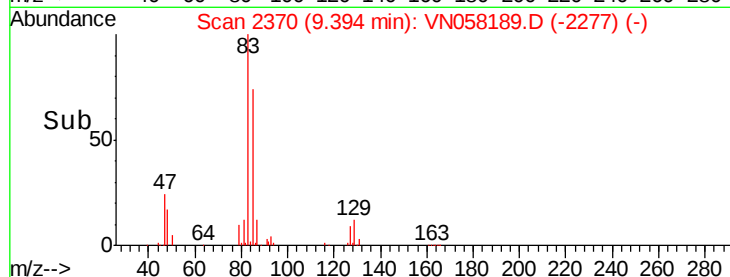
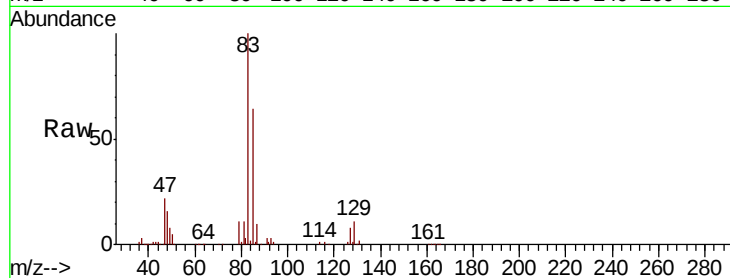
Tot Ion: 83 Resp: 357906

Ion Ratio Lower Upper

83 100

85 64.4 50.1 75.1

127 7.7 6.4 9.6



#48

Methyl methacrylate

Concen: 48.222 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

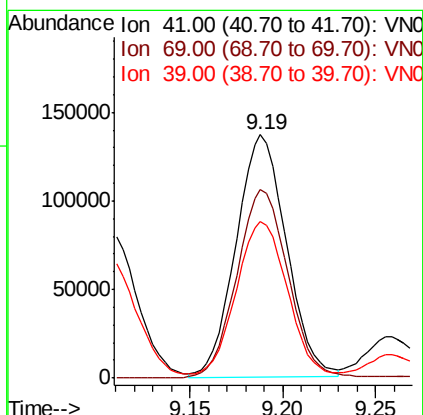
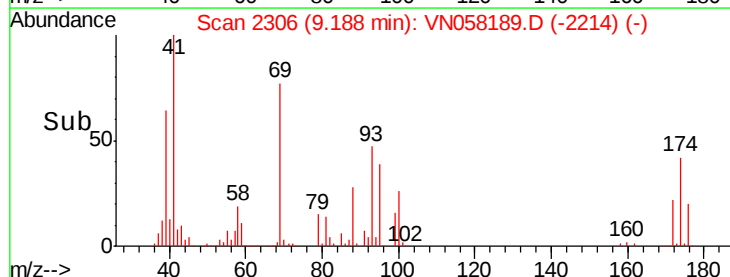
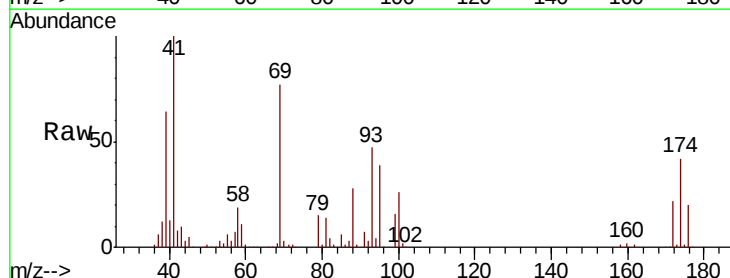
Tgt Ion: 41 Resp: 258243

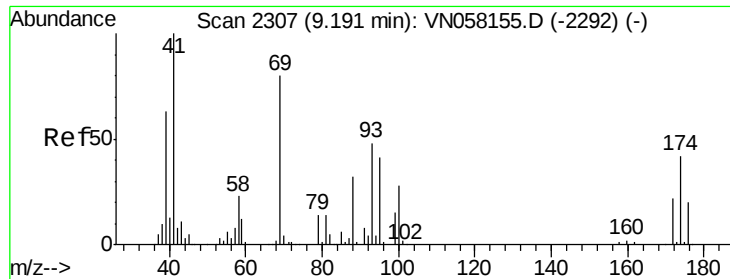
Ion Ratio Lower Upper

41 100

69 79.4 62.5 93.7

39 65.6 52.3 78.5

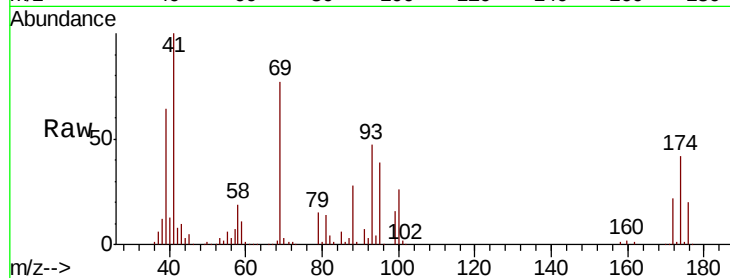




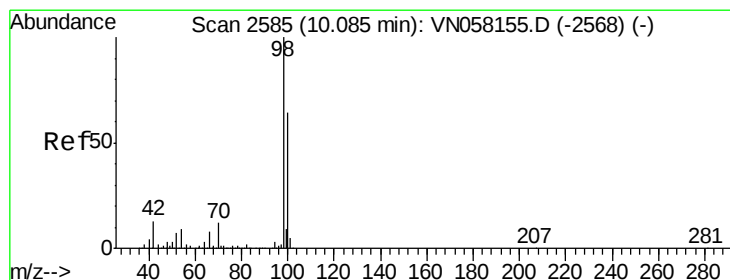
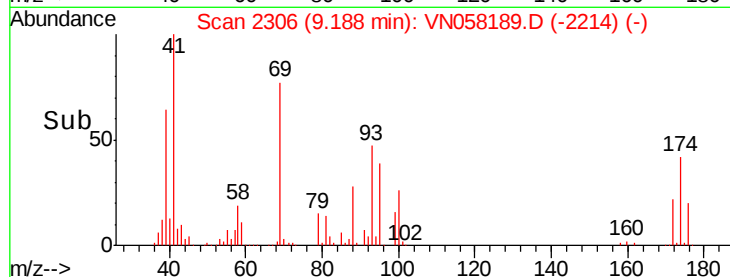
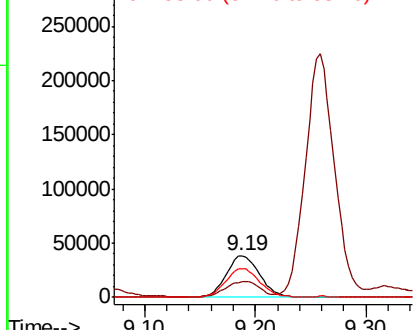
#49
1,4-Dioxane
Concen: 919.626 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 80857
Ion Ratio Lower Upper
88 100
43 35.9 27.8 41.8
58 70.6 55.0 82.4

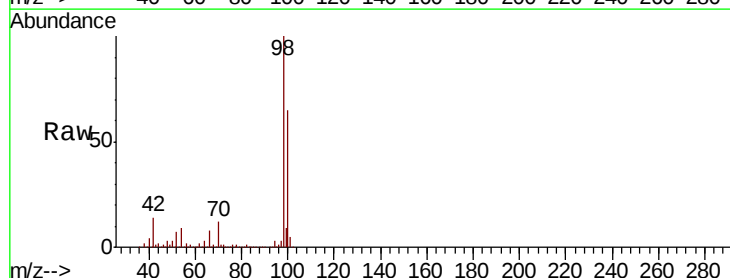


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

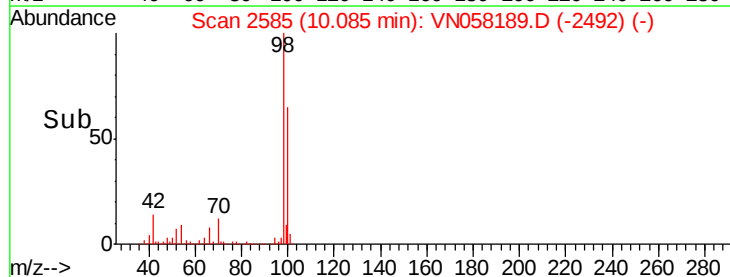
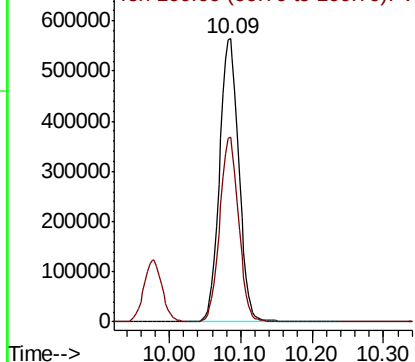


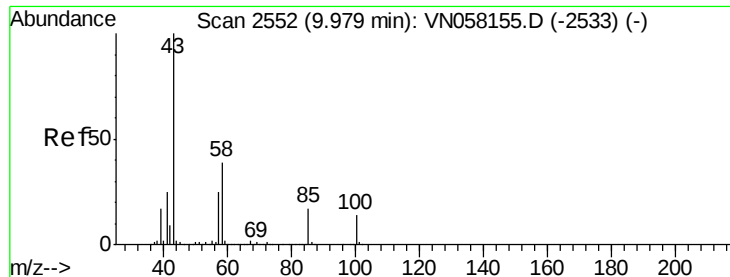
#50
Toluene-d8
Concen: 52.824 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 98 Resp: 1055808
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



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: 258.284 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

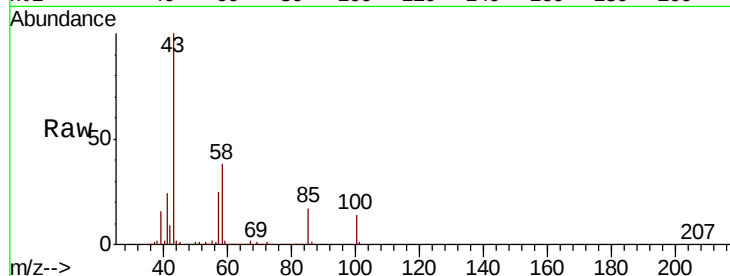
ClientSampleId :

Tot Ion: 43 Resp: 1618102

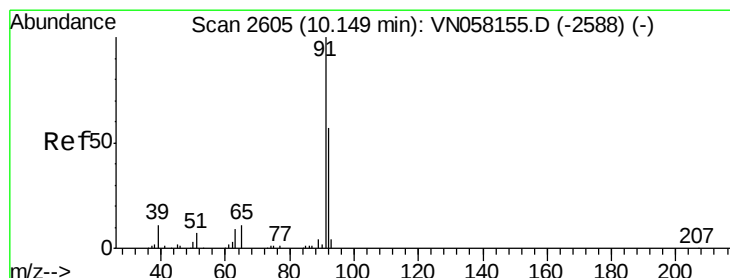
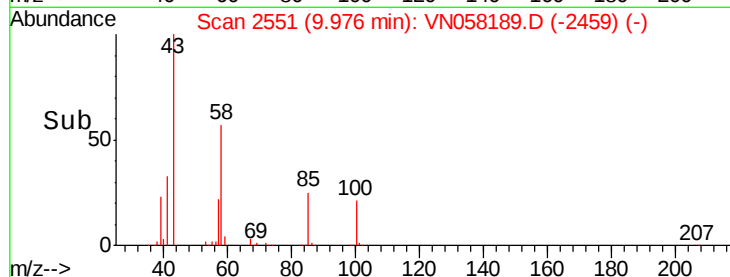
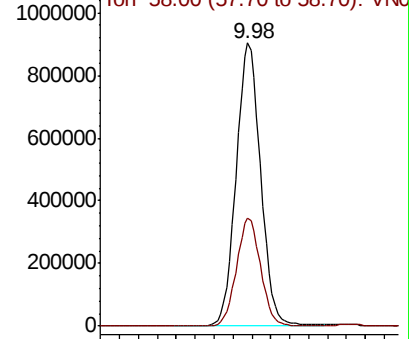
Ion Ratio Lower Upper

43 100

58 37.7 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-2533) (-)



#52

Toluene

Concen: 48.786 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058189.D

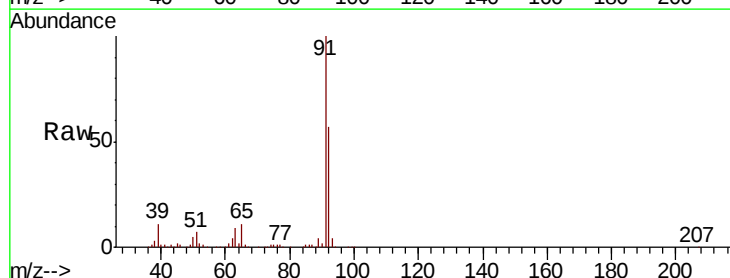
Acq: 19 Sep 2019 8:55

Tgt Ion: 92 Resp: 568295

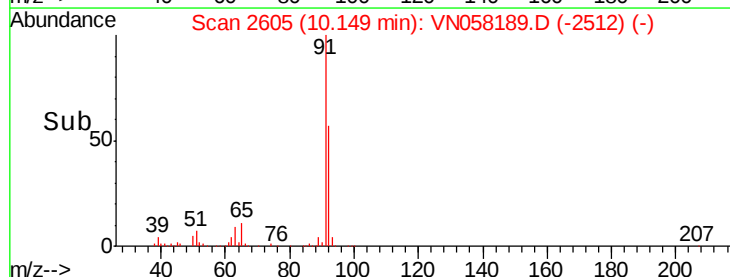
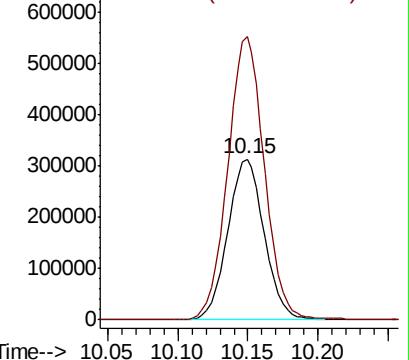
Ion Ratio Lower Upper

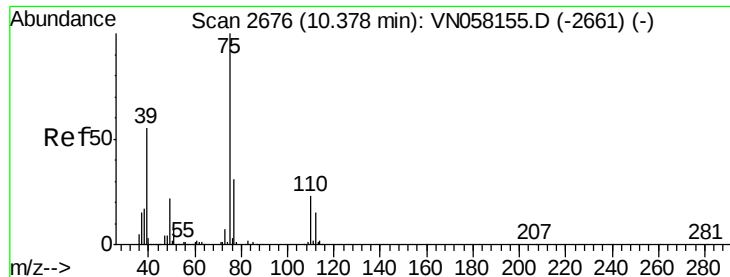
92 100

91 177.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN058155.D (-2588) (-)





#53

t-1,3-Dichloropropene

Concen: 51.848 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

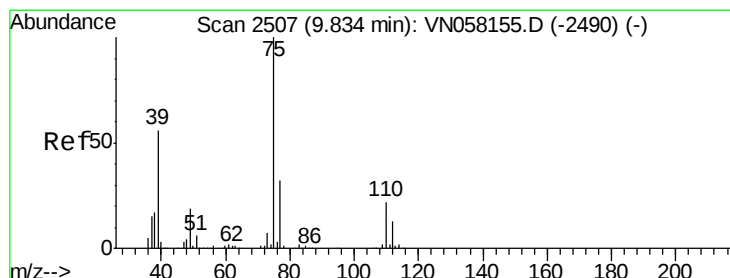
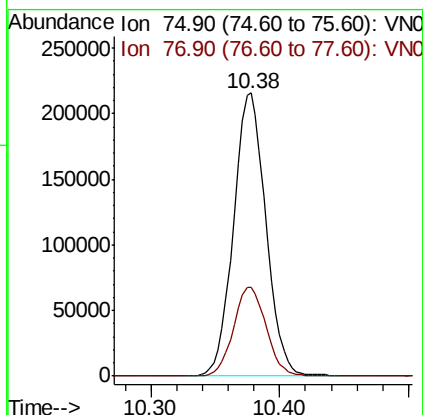
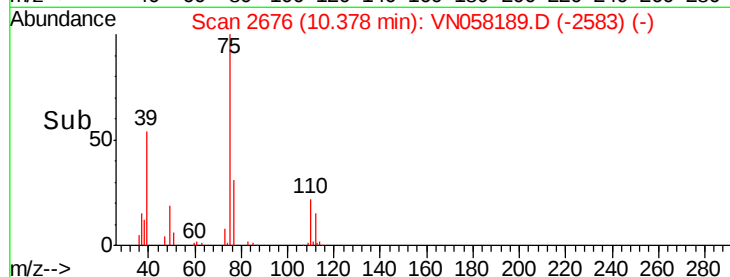
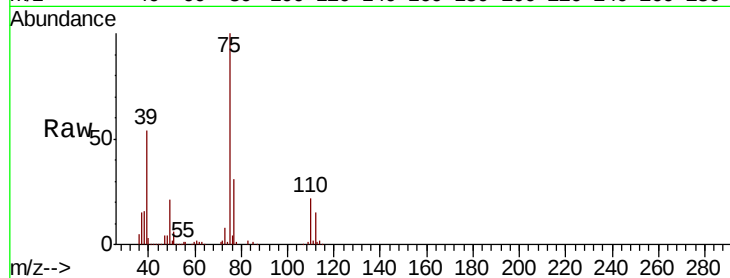
ClientSampleId :

Tot Ion: 75 Resp: 375497

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 51.382 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

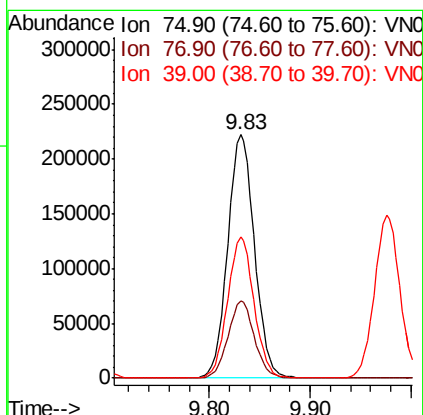
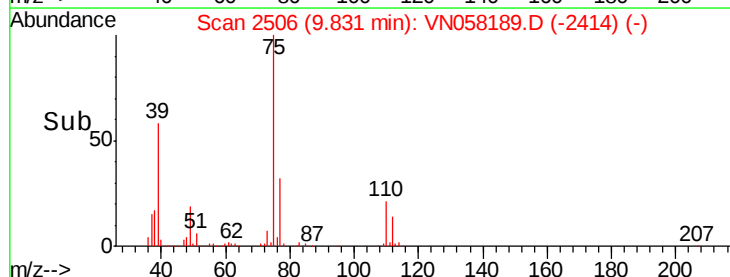
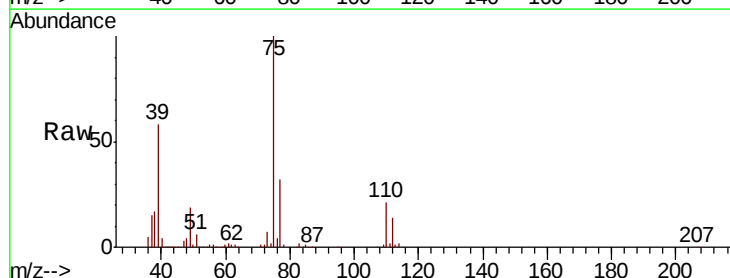
Tgt Ion: 75 Resp: 410850

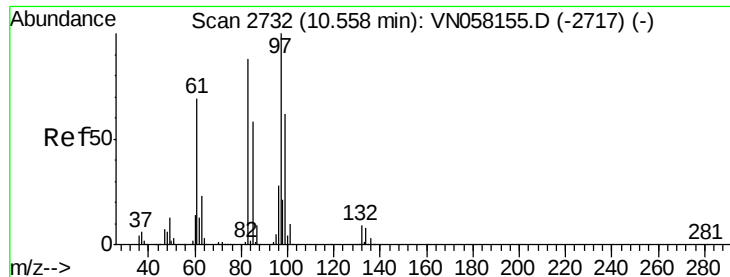
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 57.9 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 49.888 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 257894

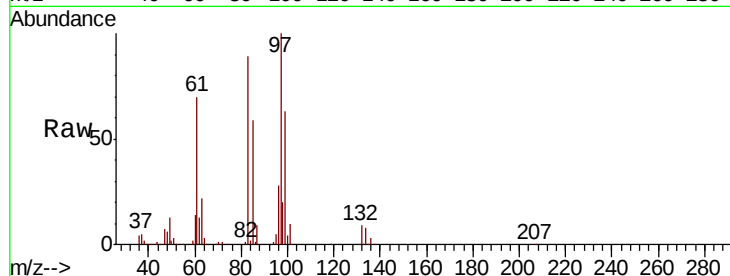
Ion Ratio Lower Upper

97 100

83 89.1 70.4 105.6

85 58.9 46.8 70.2

99 63.2 49.9 74.9

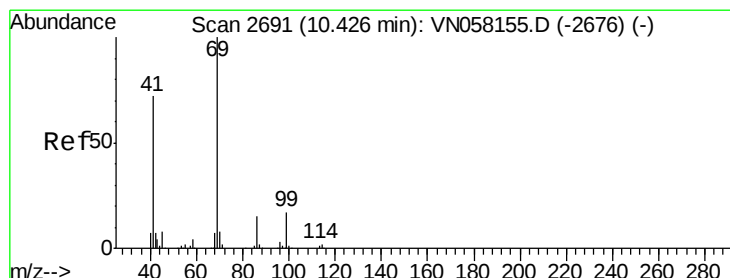
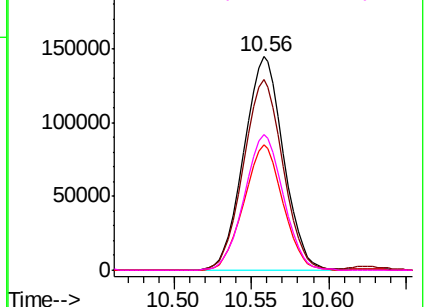
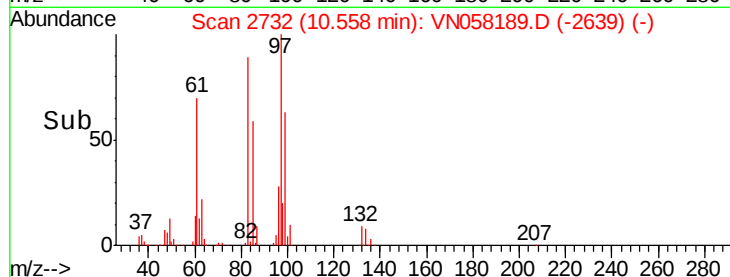


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.976 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

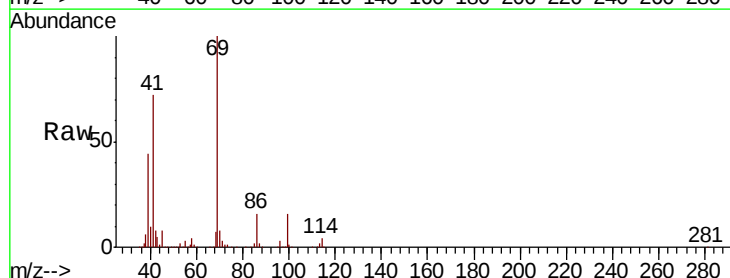
Tgt Ion: 69 Resp: 380213

Ion Ratio Lower Upper

69 100

41 71.4 57.5 86.3

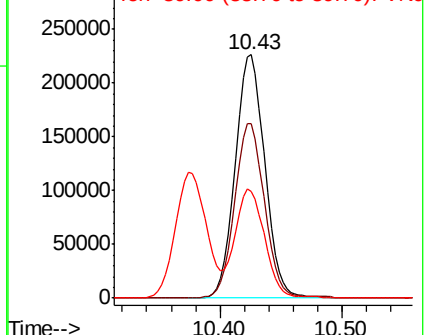
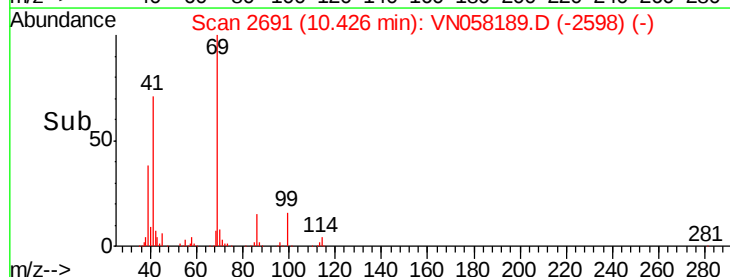
39 45.0 36.1 54.1

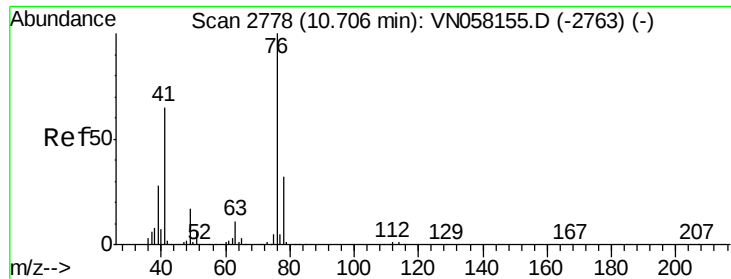


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

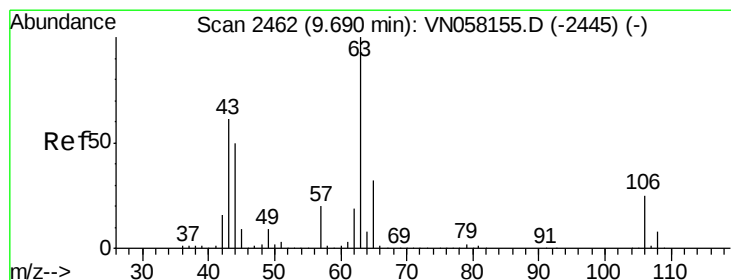
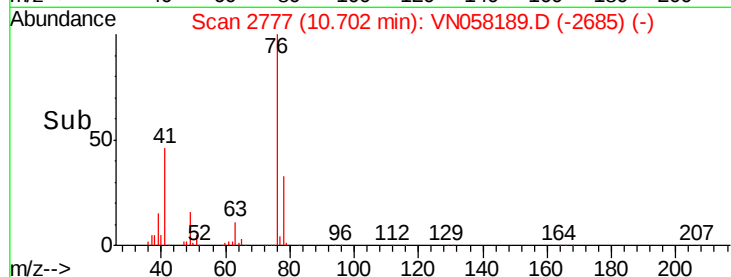
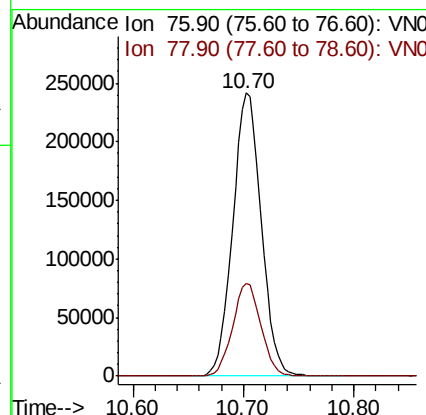
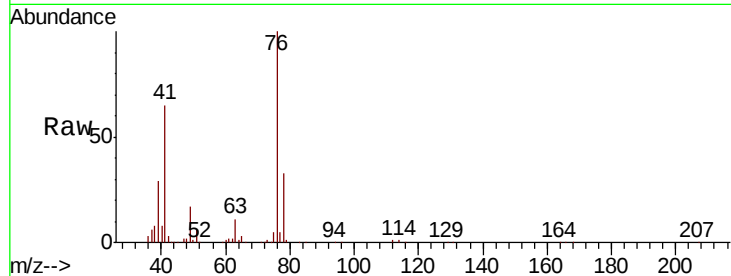




#57
 1,3-Dichloropropane
 Concen: 48.674 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

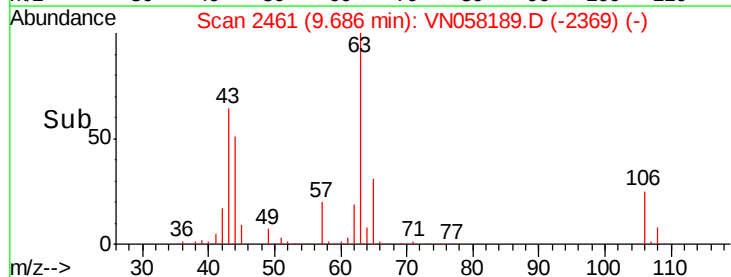
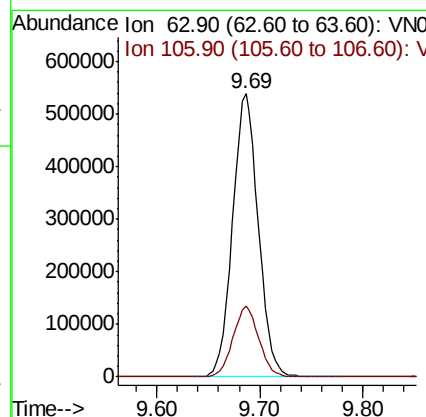
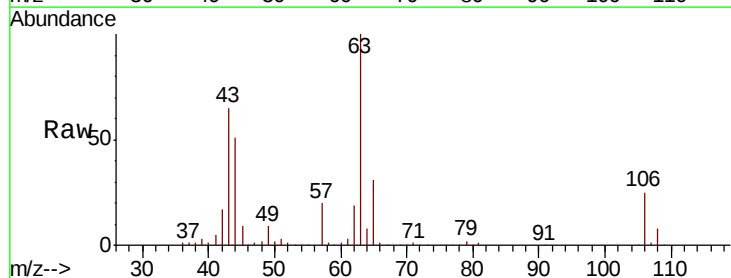
Instrument :
 MSVOA_N
 ClientSampled :

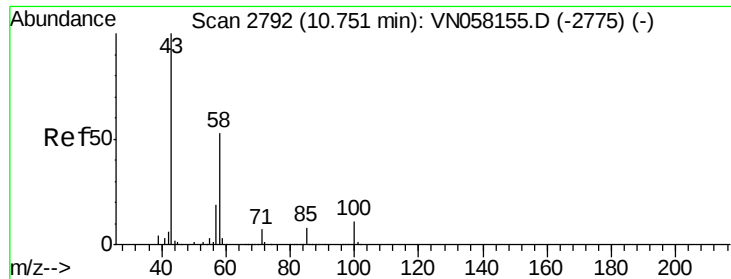
Tot Ion: 76 Resp: 432564
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.745 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion: 63 Resp: 933465
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.9 29.9

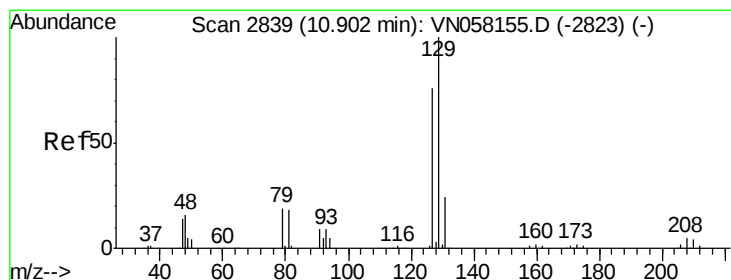
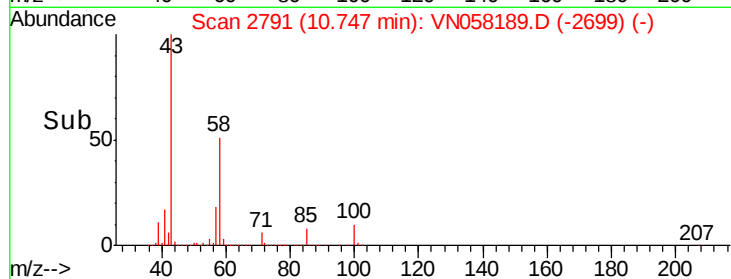
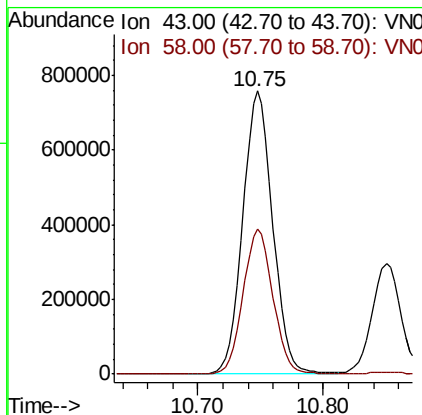
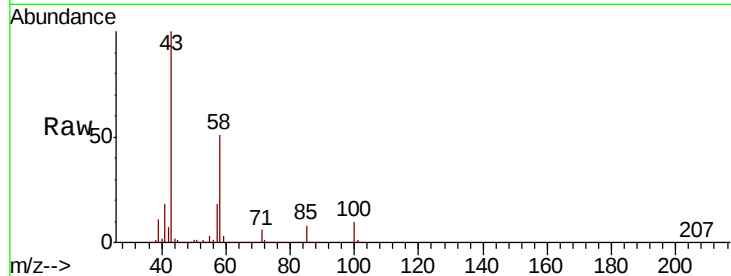




#59
2-Hexanone
Concen: 269.489 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

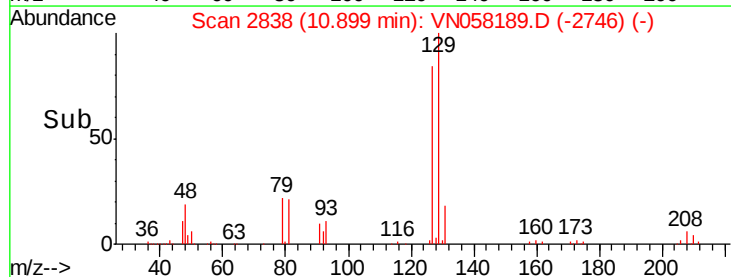
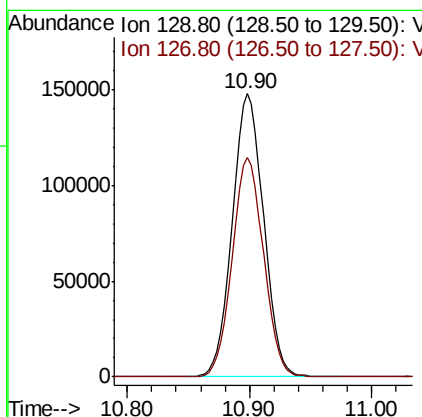
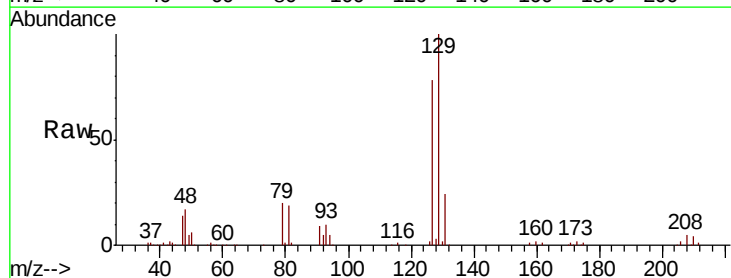
Instrument :
MSVOA_N
ClientSampled :

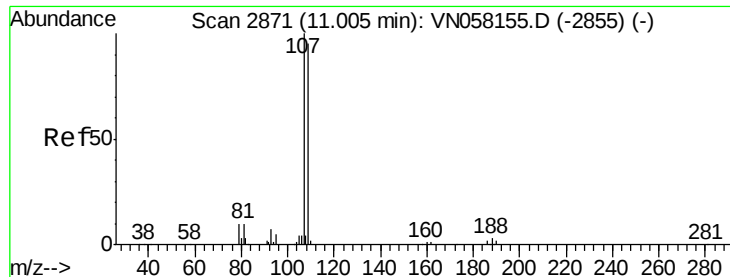
Tot Ion: 43 Resp: 1253886
Ion Ratio Lower Upper
43 100
58 51.4 26.0 78.0



#60
Dibromochloromethane
Concen: 52.966 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 129 Resp: 263416
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1

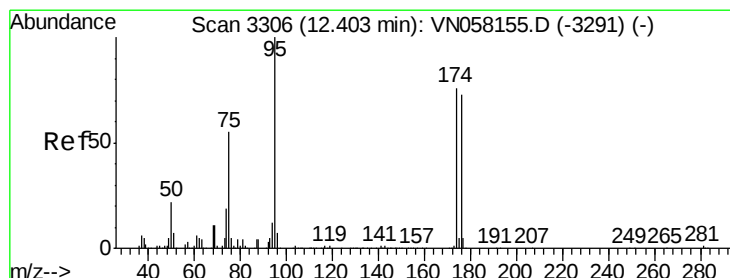
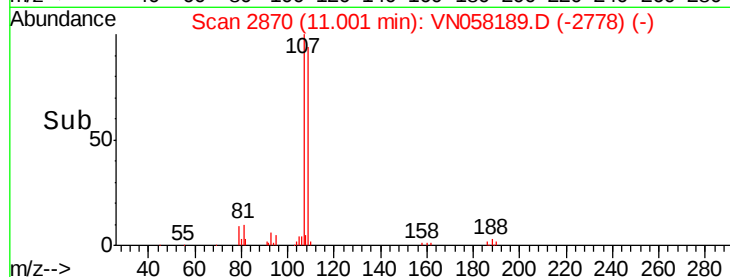
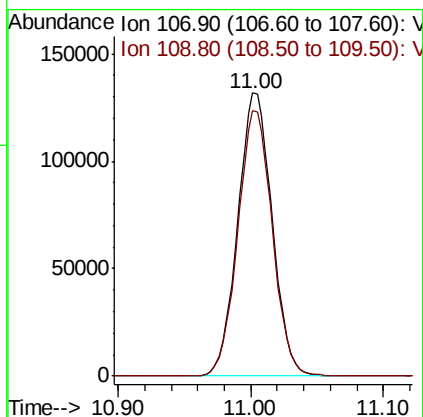
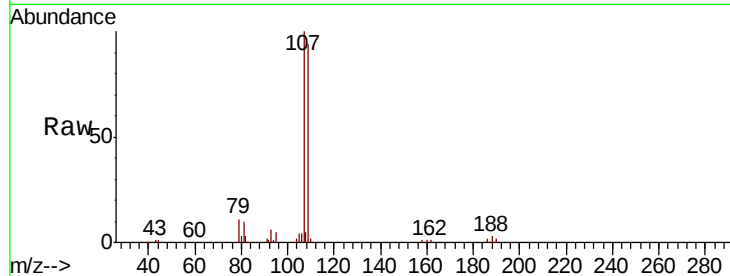




#61
 1,2-Dibromoethane
 Concen: 49.435 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

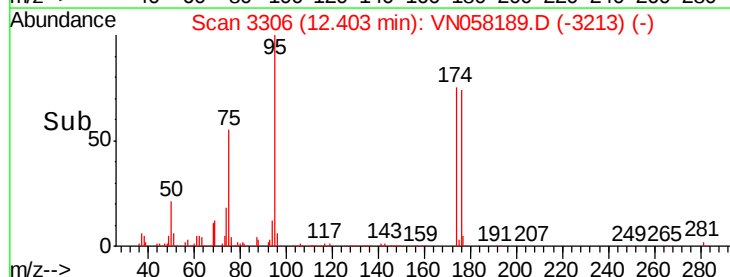
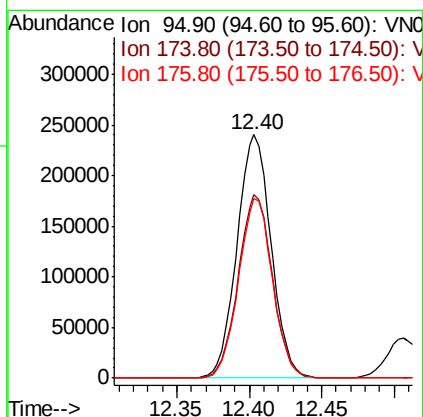
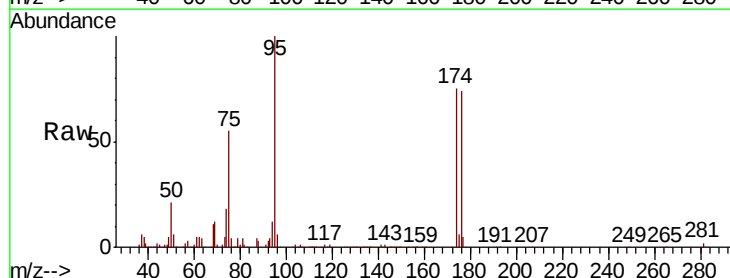
Instrument :
 MSVOA_N
 ClientSampleId :

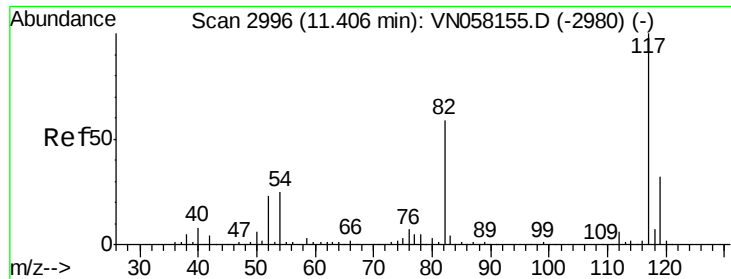
Tot Ion: 107 Resp: 236829
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.966 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion: 95 Resp: 393250
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 152.2
 176 73.5 0.0 148.0

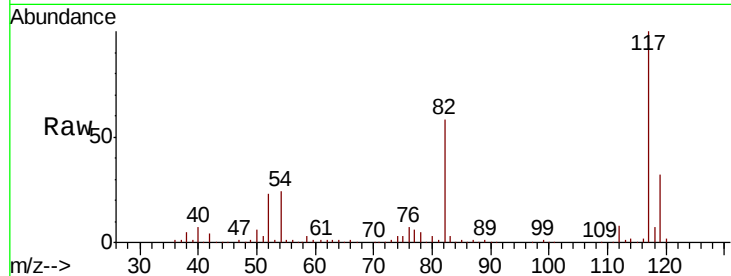




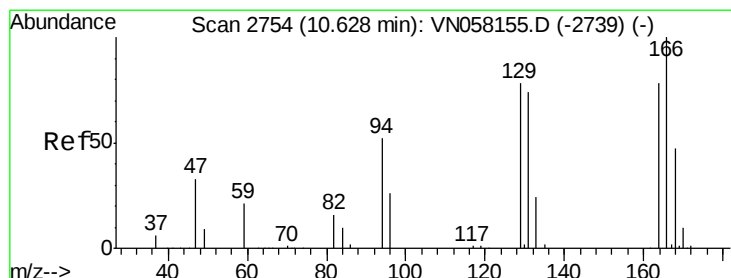
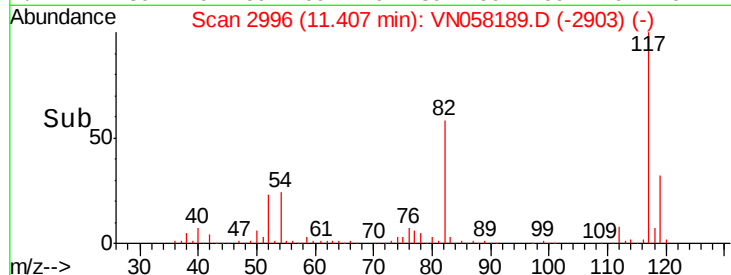
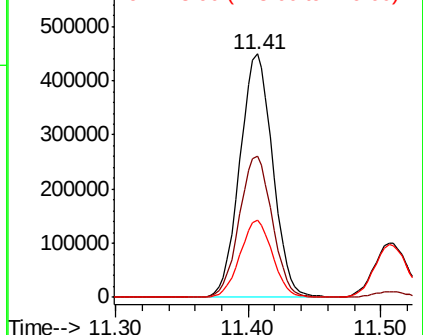
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 774647
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 31.5 25.3 37.9

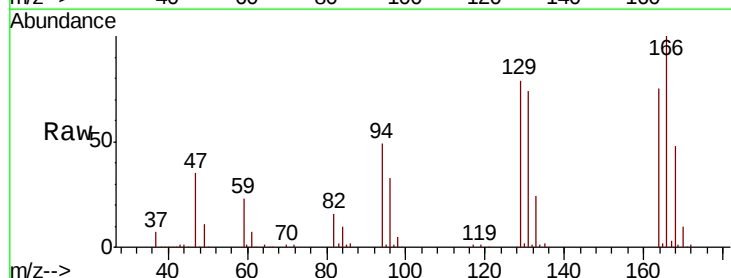


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

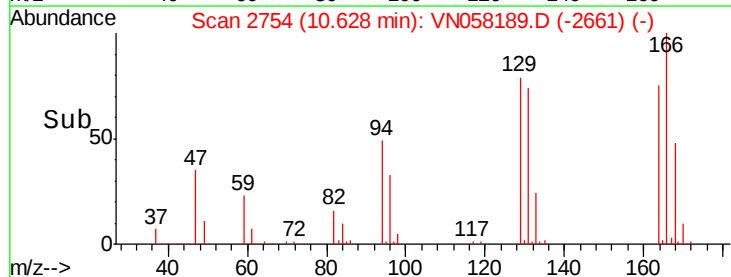
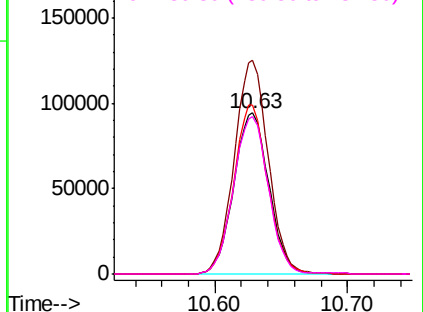


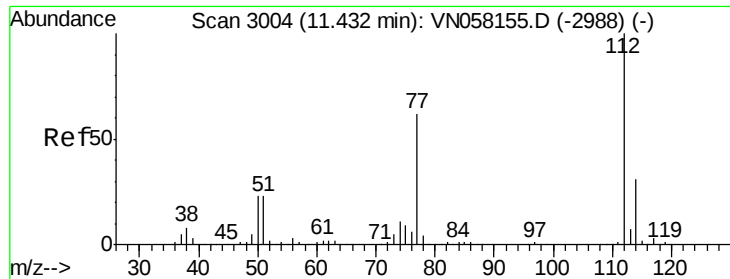
#64
Tetrachloroethene
Concen: 46.059 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion:164 Resp: 173930
Ion Ratio Lower Upper
164 100
166 132.9 102.2 153.4
129 104.9 79.6 119.4
131 97.7 76.0 114.0



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

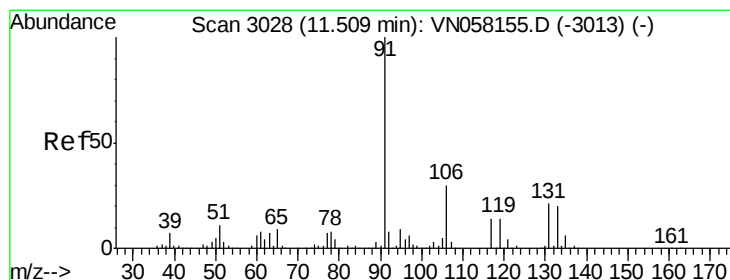
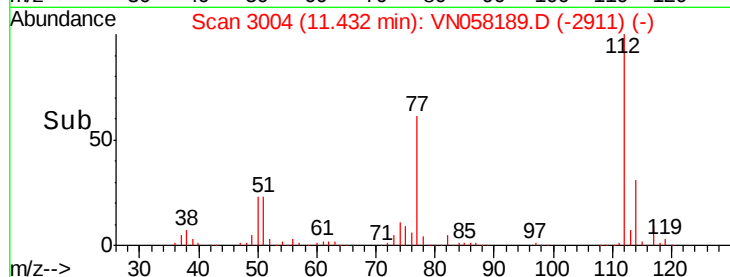
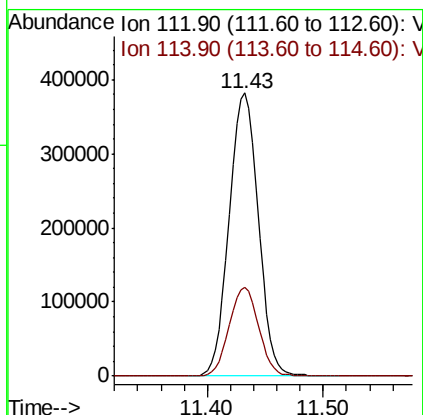
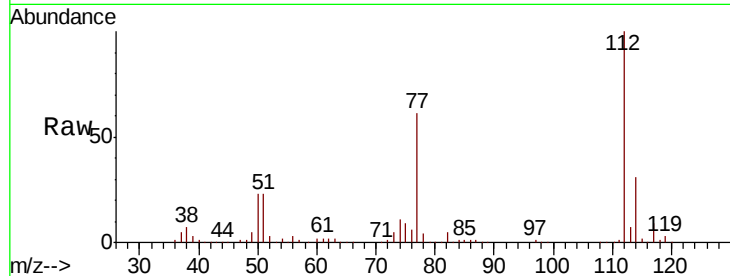




#65
Chlorobenzene
Concen: 48.719 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

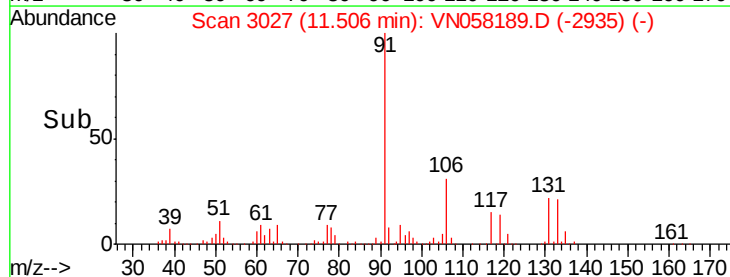
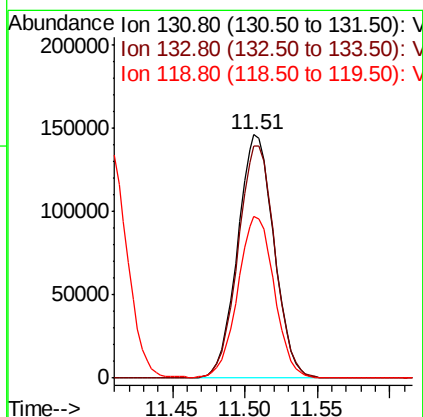
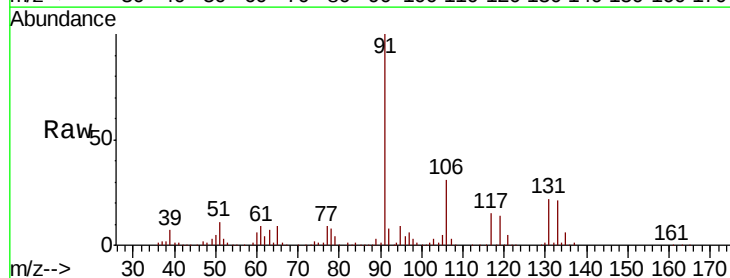
Instrument :
MSVOA_N
ClientSampled :

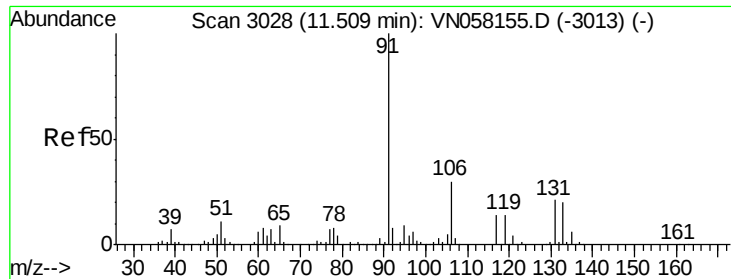
Tot Ion:112 Resp: 663815
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.589 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion:131 Resp: 254881
Ion Ratio Lower Upper
131 100
133 97.0 47.8 143.3
119 66.6 33.1 99.3

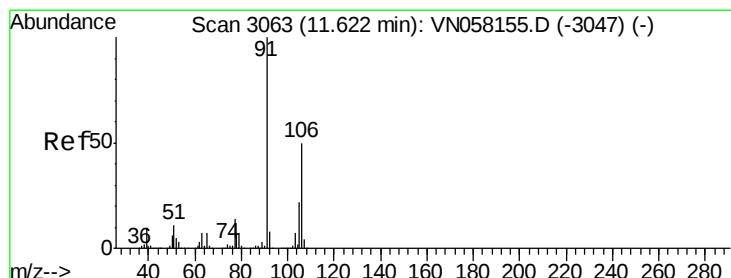
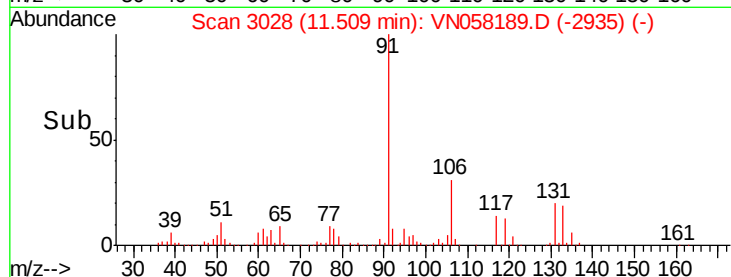
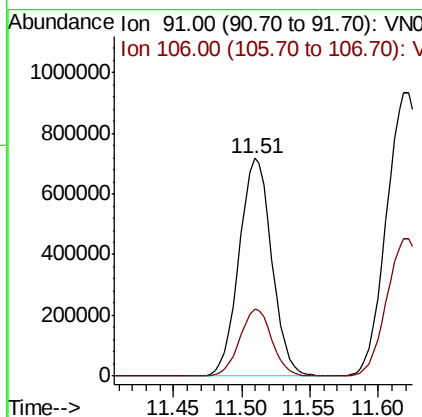
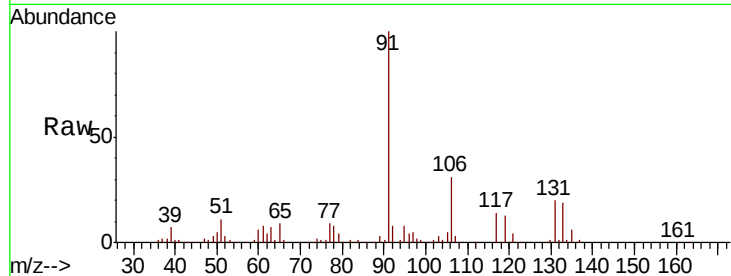




#67
Ethyl Benzene
Concen: 51.165 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

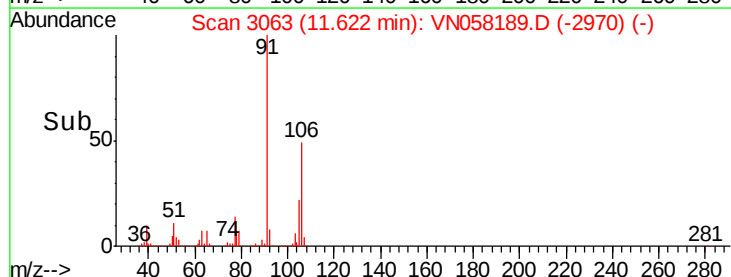
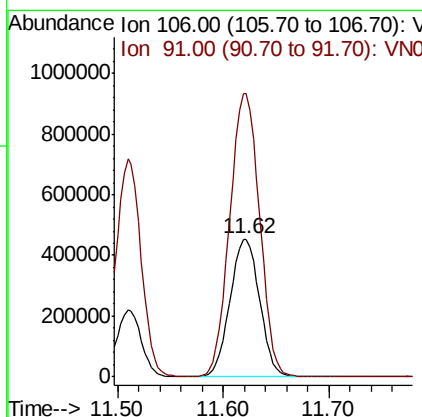
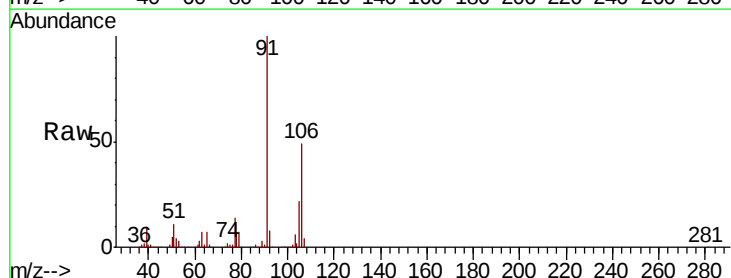
Instrument :
MSVOA_N
ClientSampled :

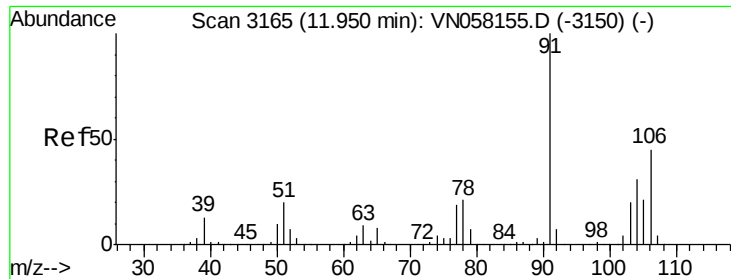
Tot Ion: 91 Resp: 1194560
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0



#68
m/p-Xylenes
Concen: 99.993 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion: 106 Resp: 879263
Ion Ratio Lower Upper
106 100
91 207.8 163.6 245.4

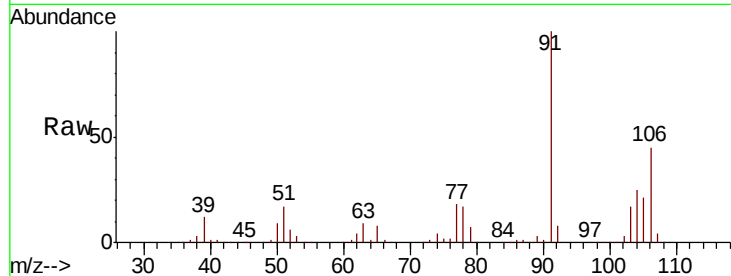




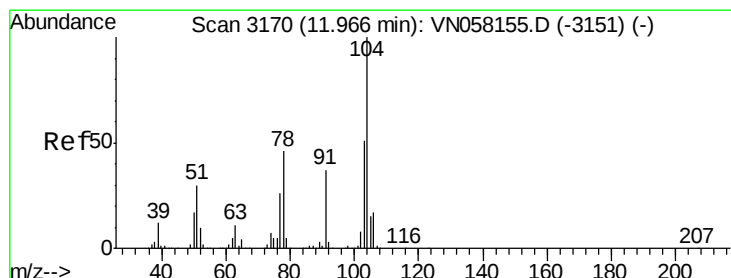
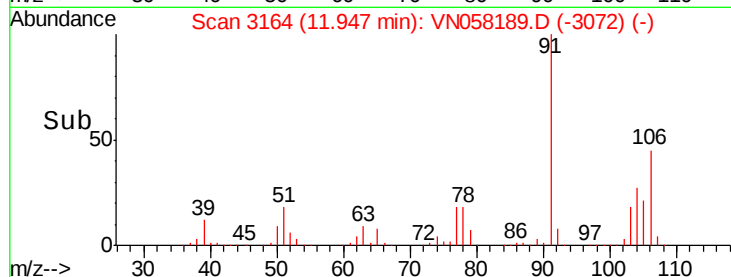
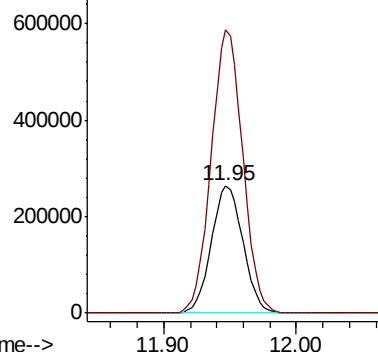
#69
o-Xylene
Concen: 50.583 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 437357
Ion Ratio Lower Upper
106 100
91 221.9 111.8 335.3

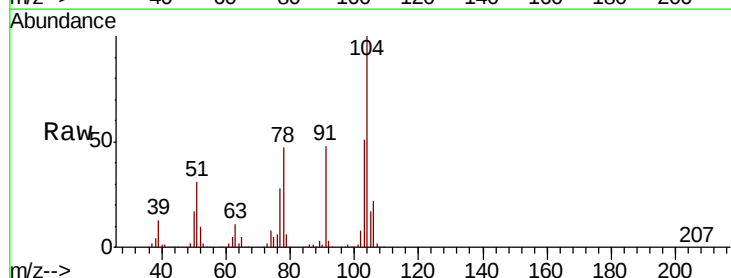


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

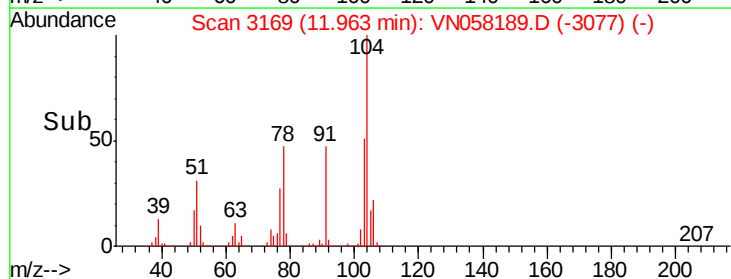
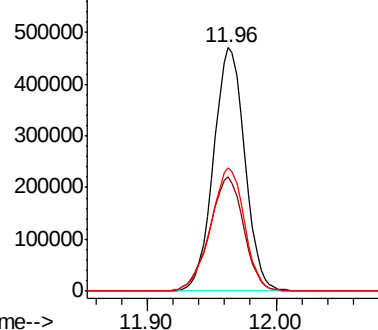


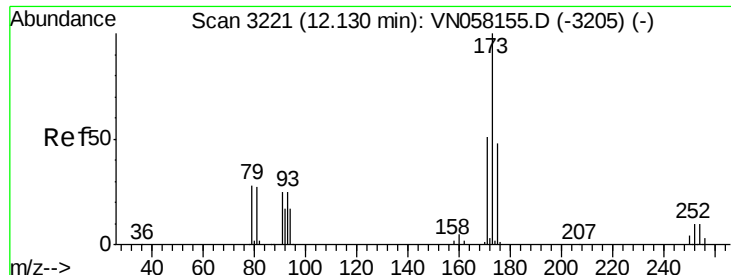
#70
Styrene
Concen: 53.319 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion:104 Resp: 794319
Ion Ratio Lower Upper
104 100
78 51.3 41.8 62.8
103 54.7 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: 45.662 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

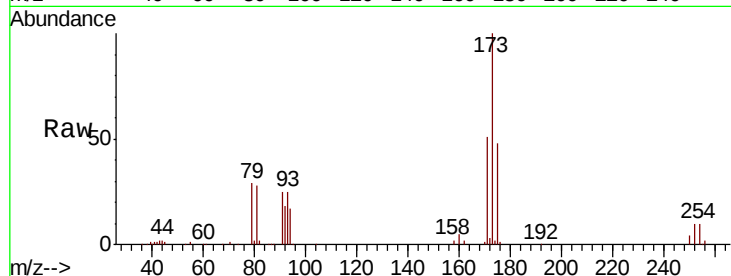
Tot Ion:173 Resp: 166027

Ion Ratio Lower Upper

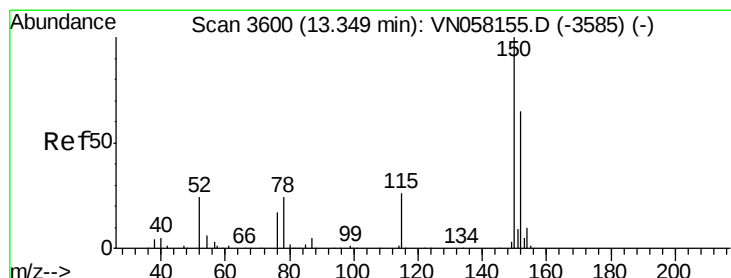
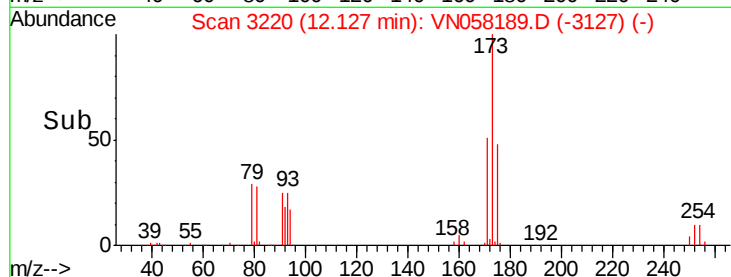
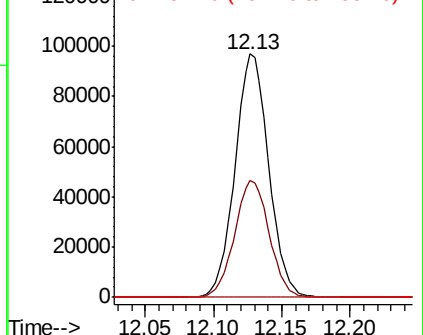
173 100

175 49.1 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

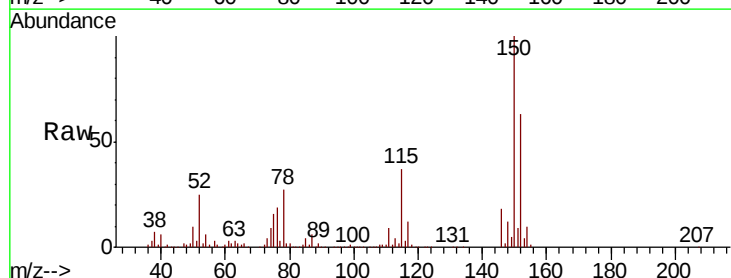
Tgt Ion:152 Resp: 387007

Ion Ratio Lower Upper

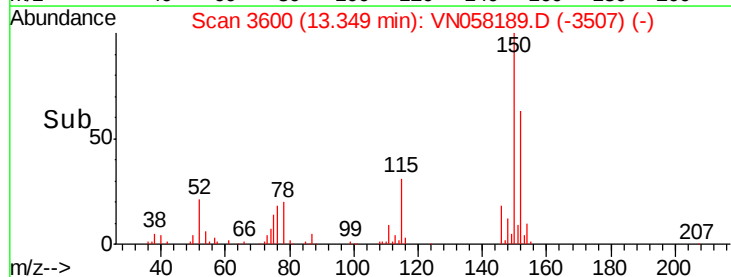
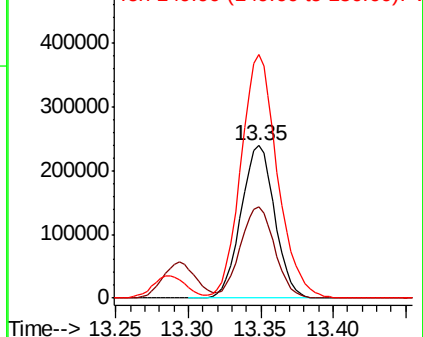
152 100

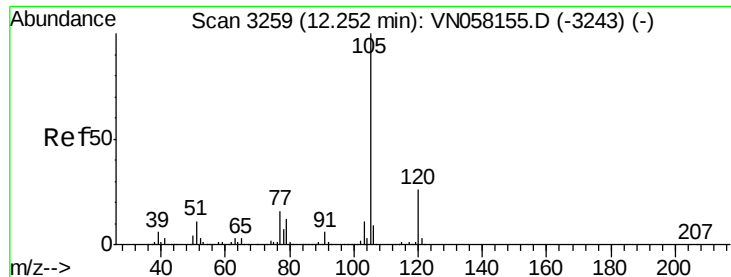
115 60.6 30.1 90.3

150 172.1 0.0 346.4



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





#73

Isopropylbenzene

Concen: 51.432 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

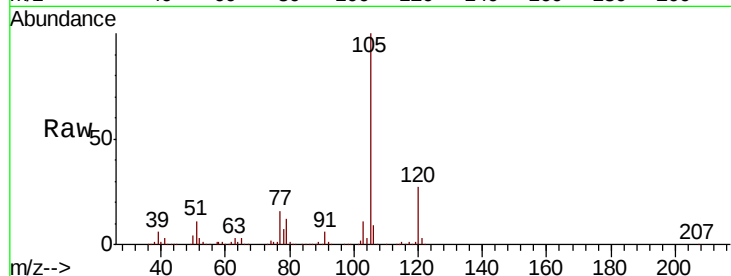
ClientSampleId :

Tot Ion:105 Resp: 1245900

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

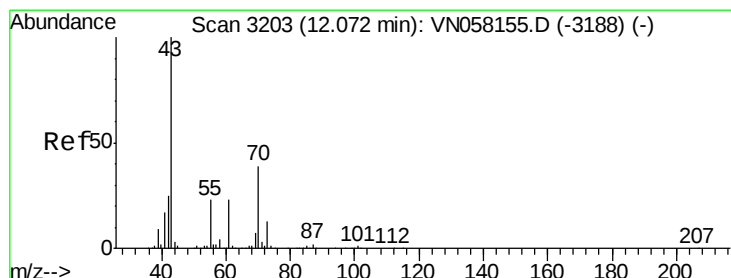
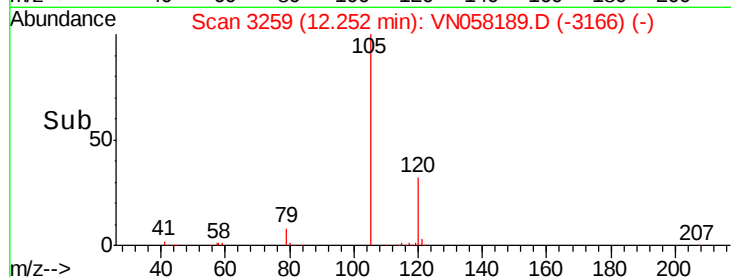
200000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 51.075 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion: 43 Resp: 517594

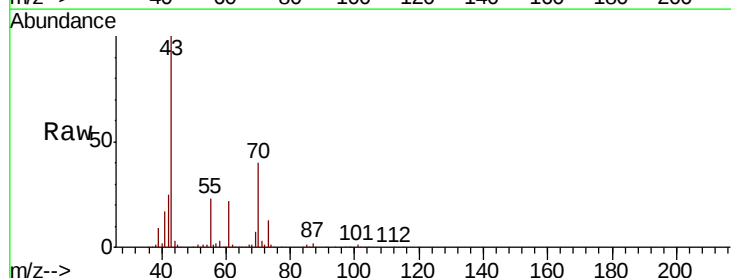
Ion Ratio Lower Upper

43 100

70 39.2 31.0 46.6

55 23.7 18.5 27.7

61 22.3 18.2 27.2



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

500000

400000

300000

200000

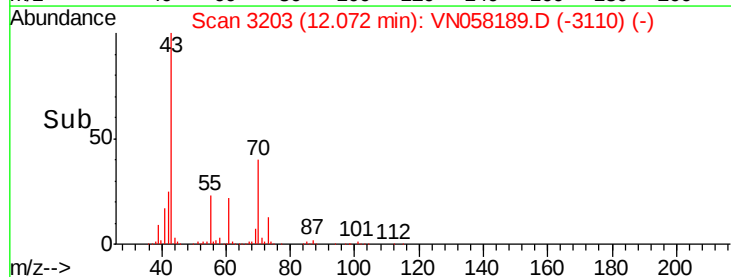
100000

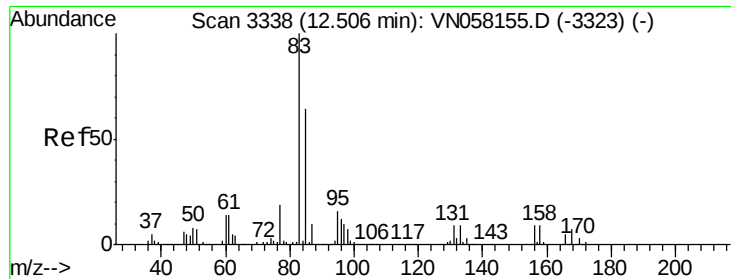
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.311 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

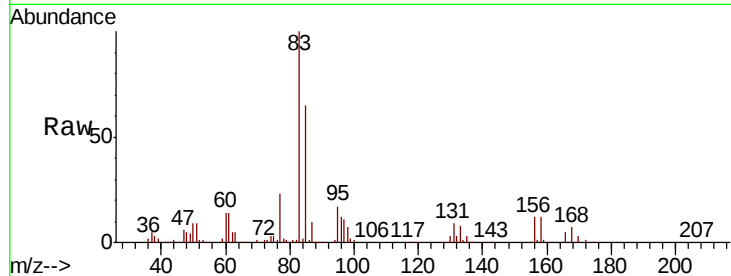
Tot Ion: 83 Resp: 391903

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

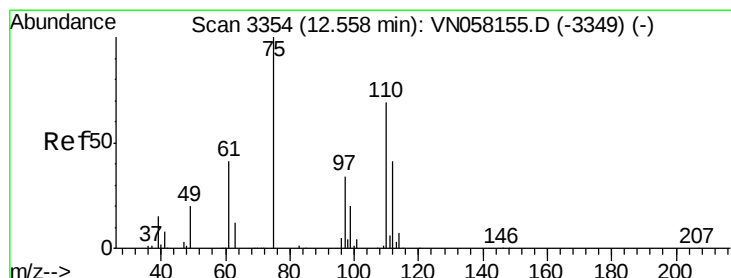
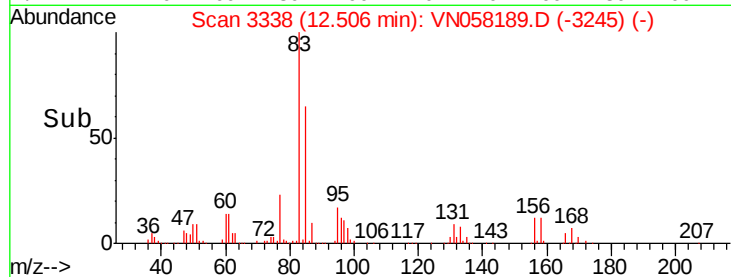
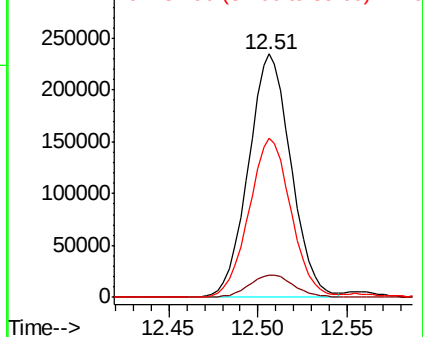
85 64.7 31.9 95.5



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: 69.827 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058189.D

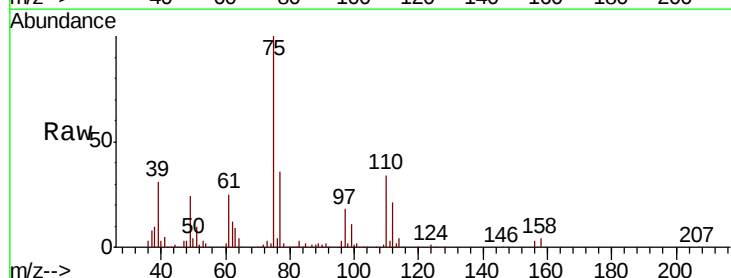
Acq: 19 Sep 2019 8:55

Tgt Ion: 75 Resp: 483635

Ion Ratio Lower Upper

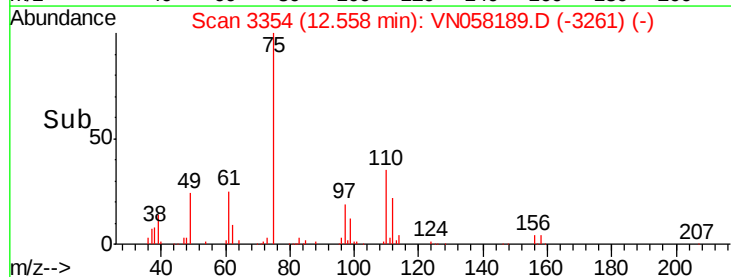
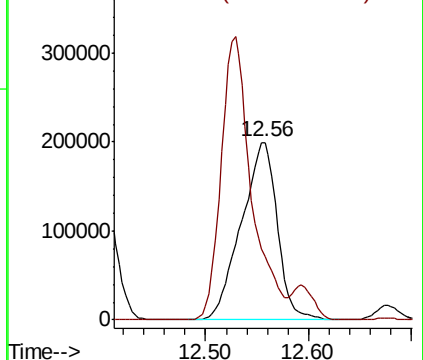
75 100

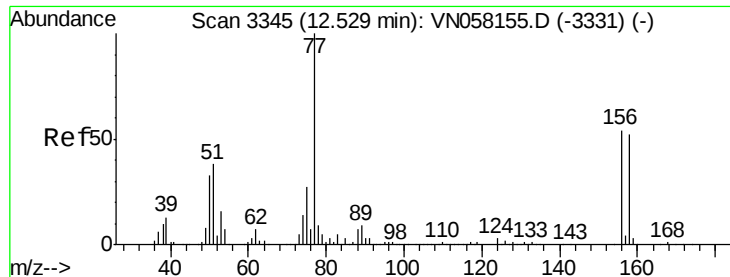
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.770 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

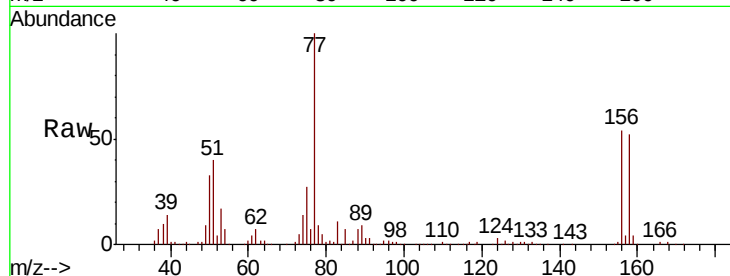
Tot Ion:156 Resp: 297178

Ion Ratio Lower Upper

156 100

77 219.4 111.7 335.1

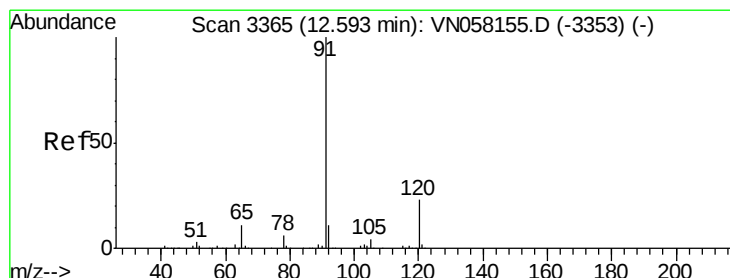
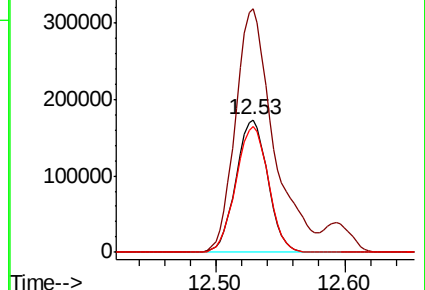
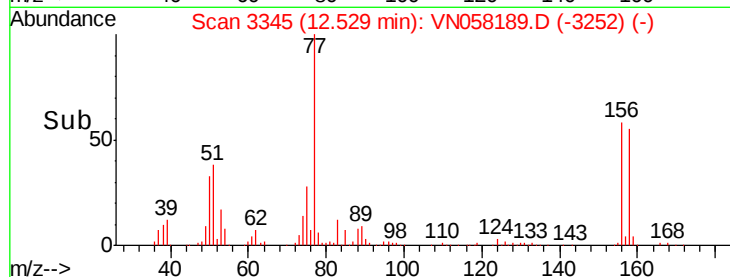
158 97.3 47.9 143.8



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: 54.044 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058189.D

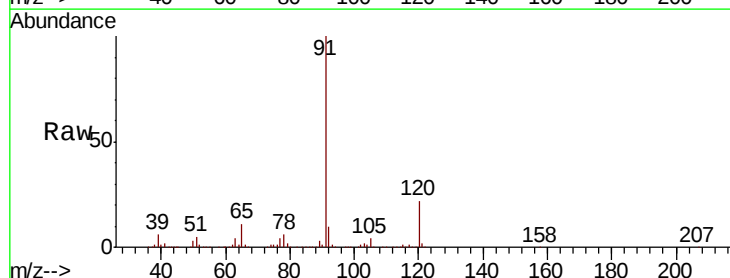
Acq: 19 Sep 2019 8:55

Tgt Ion: 91 Resp: 1487673

Ion Ratio Lower Upper

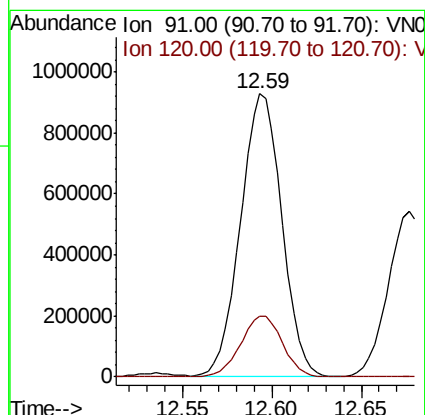
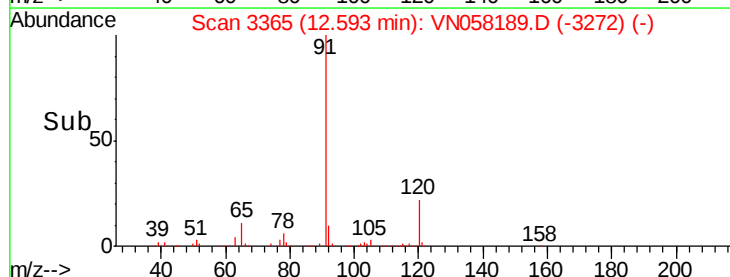
91 100

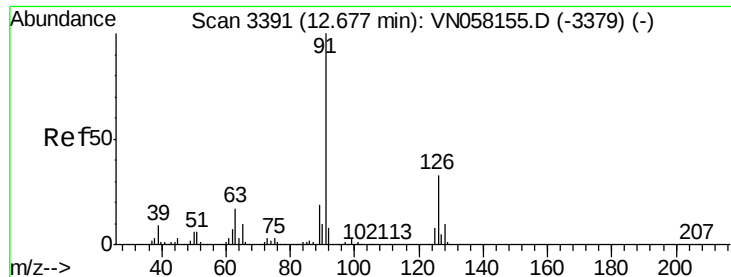
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.451 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

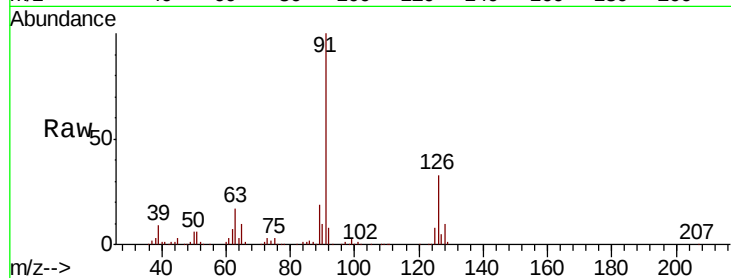
ClientSampled :

Tot Ion: 91 Resp: 885136

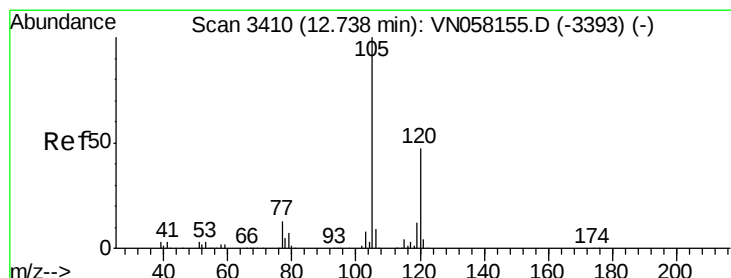
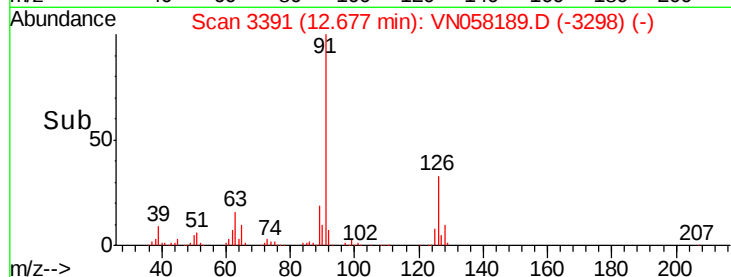
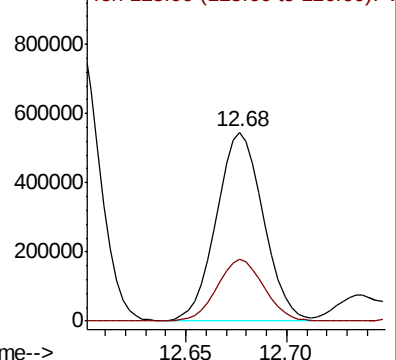
Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058189.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.927 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058189.D

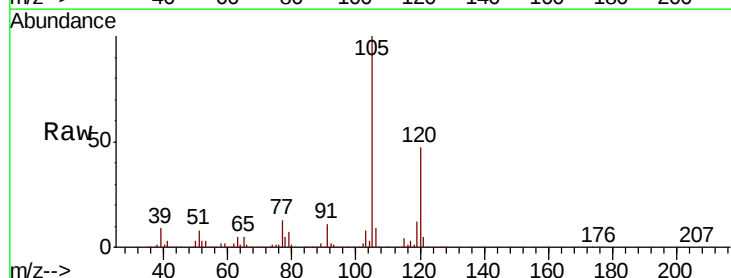
Acq: 19 Sep 2019 8:55

Tgt Ion: 105 Resp: 1084183

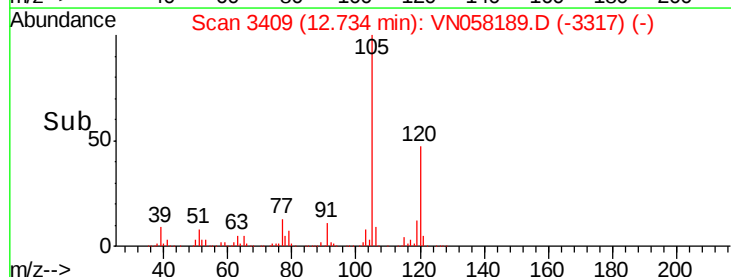
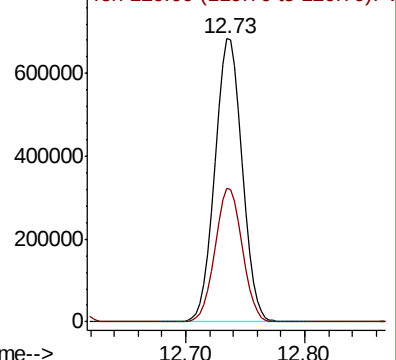
Ion Ratio Lower Upper

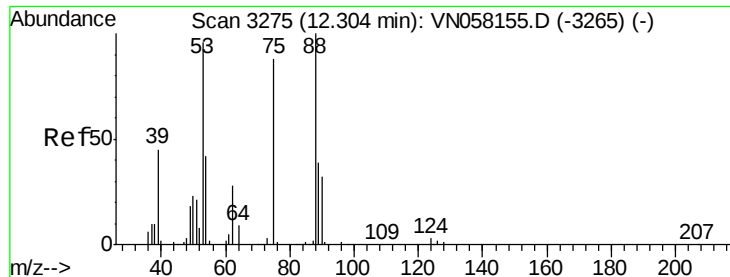
105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058189.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.736 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

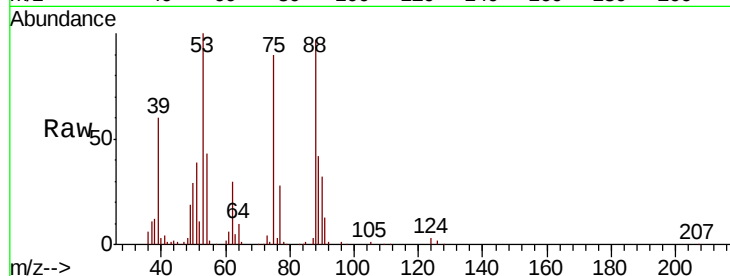
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 105138

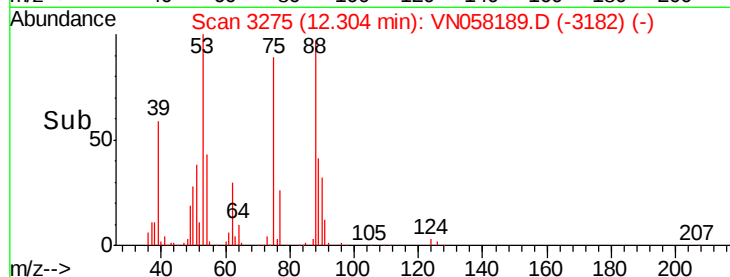
Ion	Ratio	Lower	Upper
75	100		
53	110.8	90.1	135.1
89	44.6	36.2	54.2



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

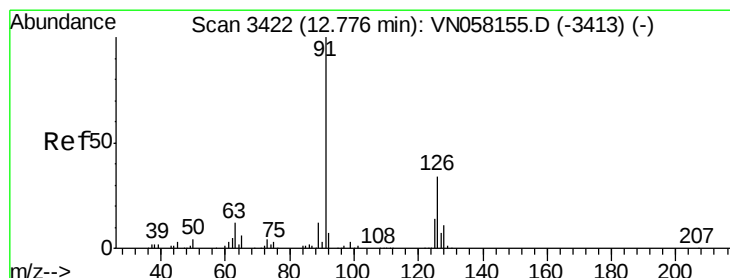


Abundance

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: 51.452 ug/l

RT: 12.78 min Scan# 3422

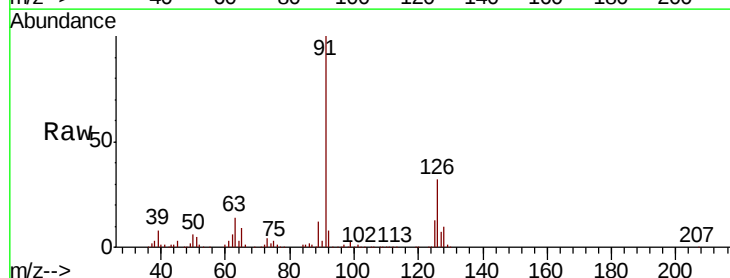
Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

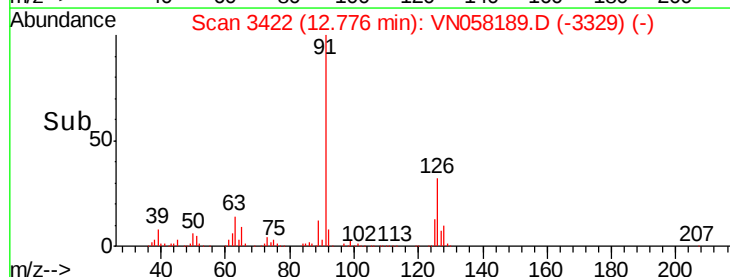
Tgt Ion: 91 Resp: 930445

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



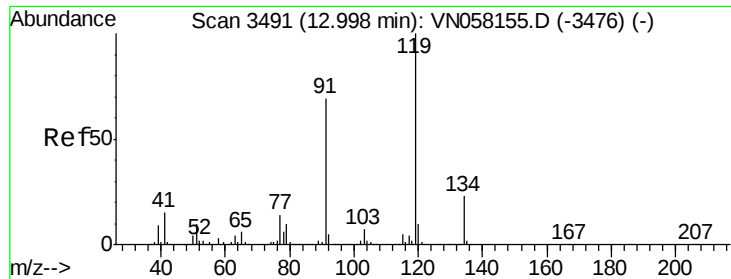
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Abundance Ion 91.00 (90.70 to 91.70): VN0

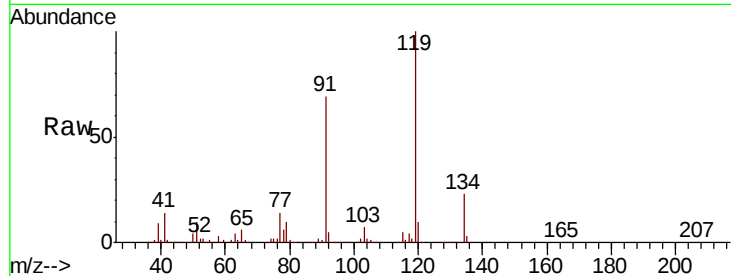
Ion 125.90 (125.60 to 126.60): V



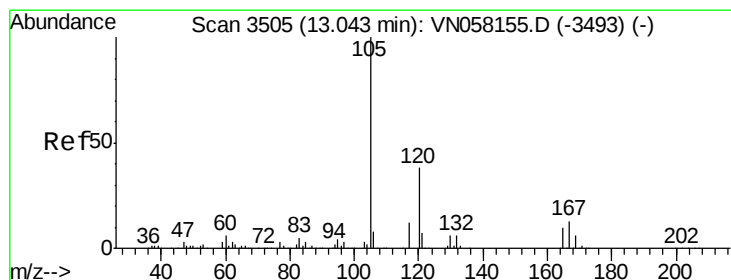
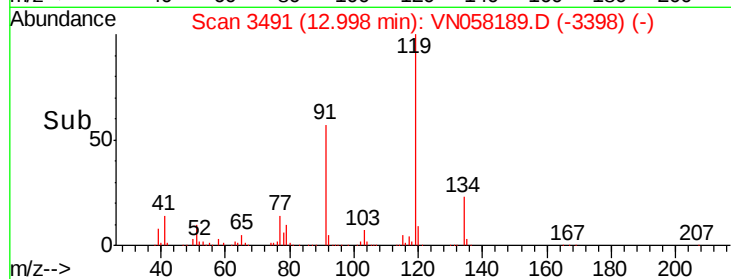
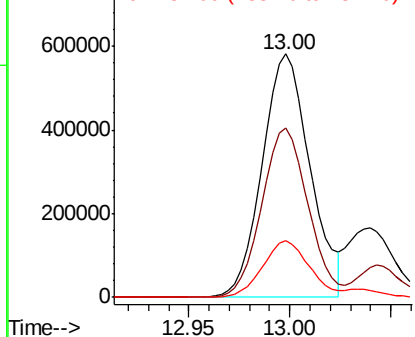
#83
tert-Butylbenzene
Concen: 52.654 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 961855
Ion Ratio Lower Upper
119 100
91 67.3 33.8 101.3
134 23.0 11.6 34.8

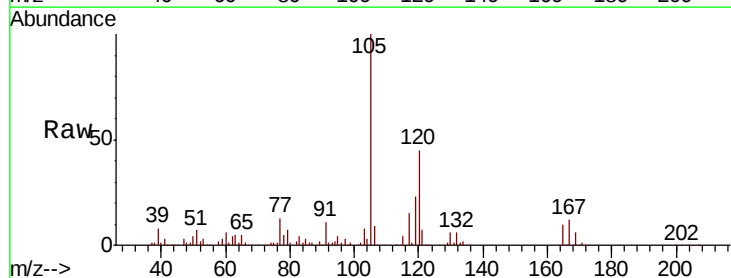


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

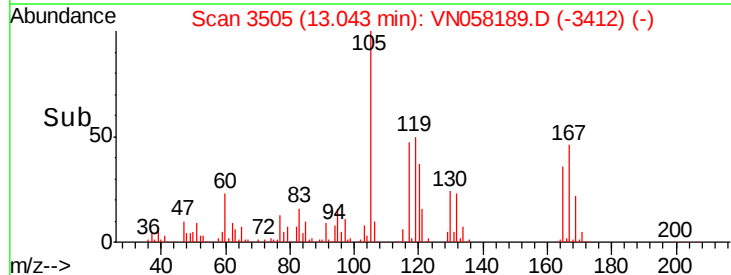
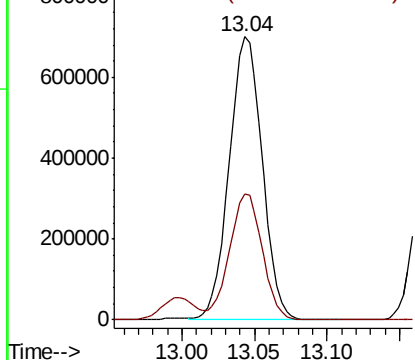


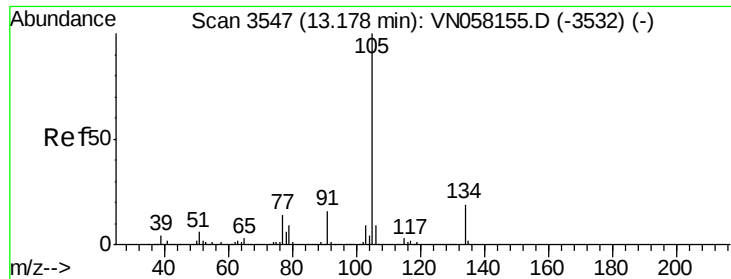
#84
1,2,4-Trimethylbenzene
Concen: 54.227 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058189.D
Acq: 19 Sep 2019 8:55

Tgt Ion:105 Resp: 1105425
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.5



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





#85

sec-Butylbenzene

Concen: 54.451 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

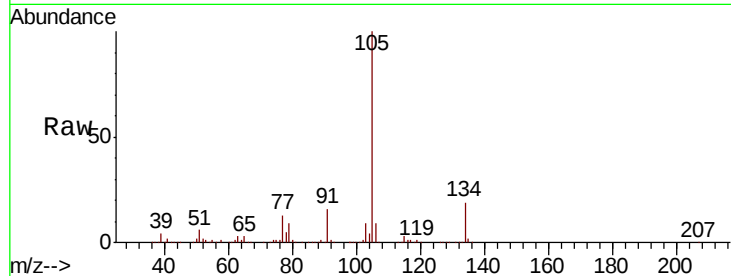
ClientSampled :

Tot Ion:105 Resp: 1300731

Ion Ratio Lower Upper

105 100

134 18.9 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

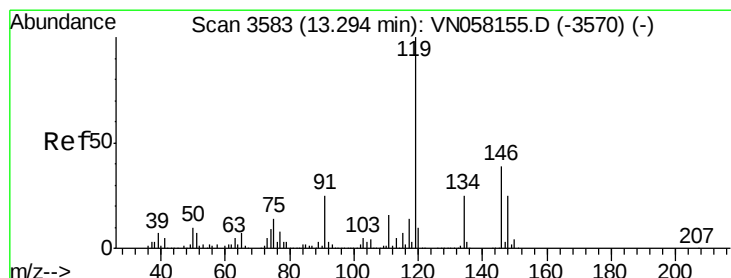
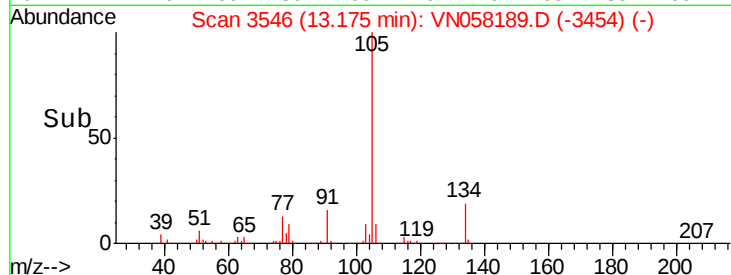
200000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 55.361 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

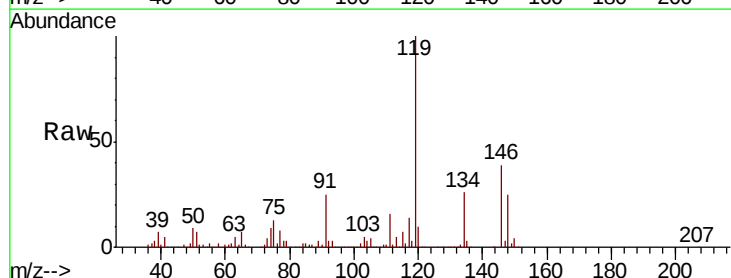
Tgt Ion:119 Resp: 1175687

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 24.5 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

200000

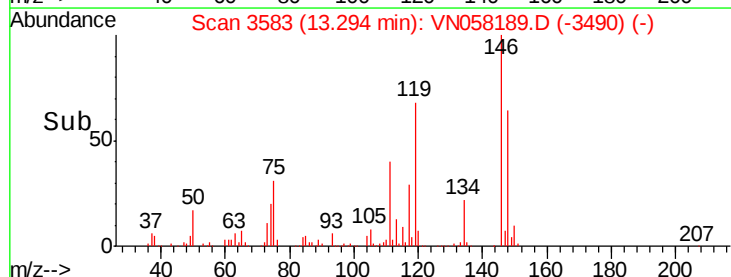
0

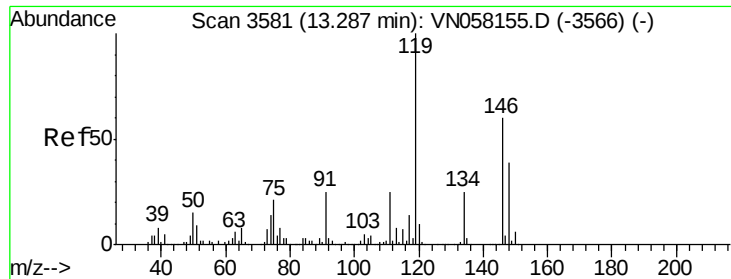
13.25

13.30

13.35

Time-->

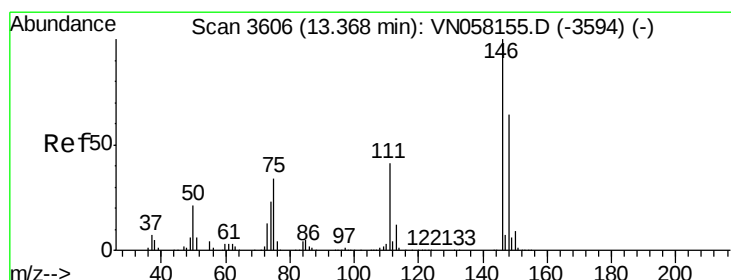
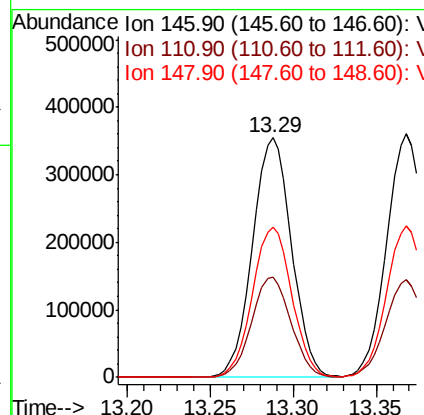
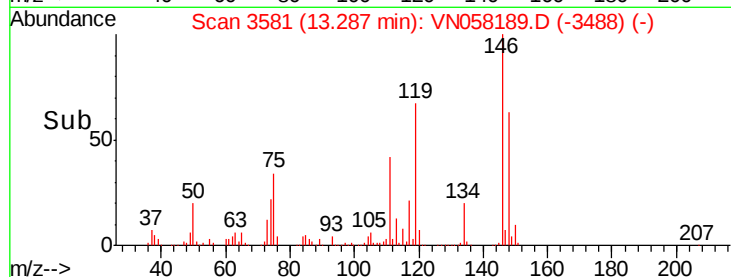
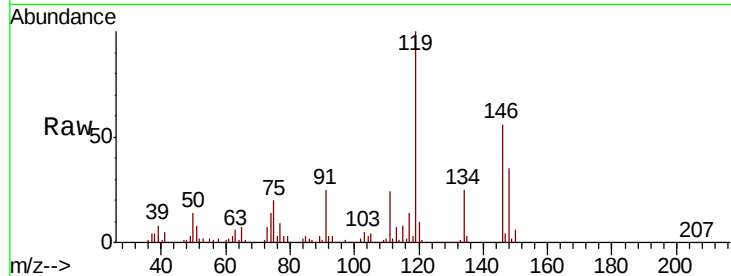




#87
 1,3-Dichlorobenzene
 Concen: 52.217 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

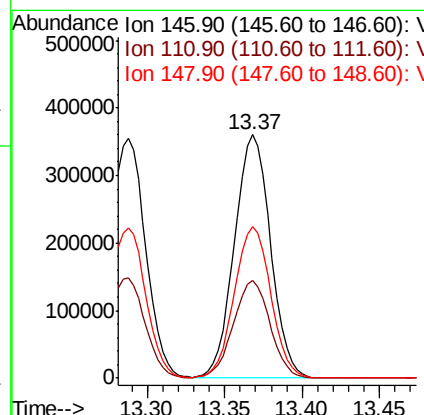
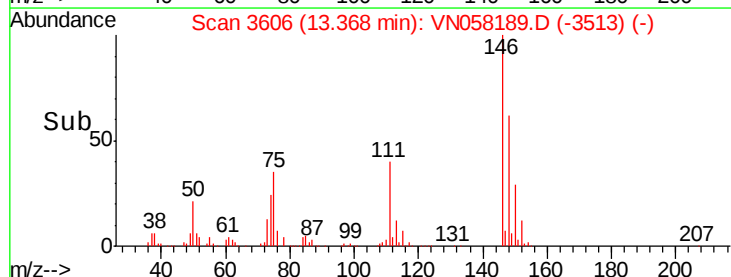
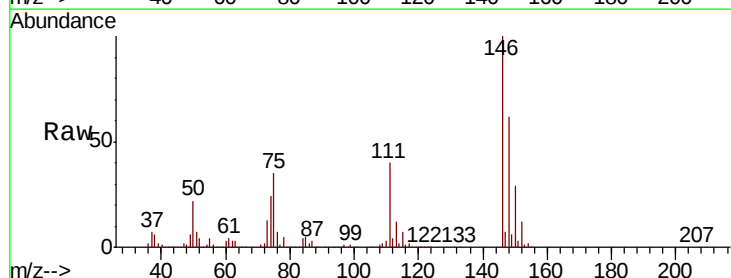
Instrument :
 MSVOA_N
 ClientSampled :

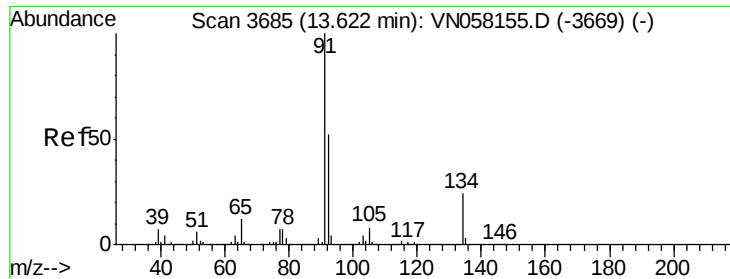
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	63.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.187 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	62.9	31.9	95.5





#89

n-Butylbenzene

Concen: 54.754 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

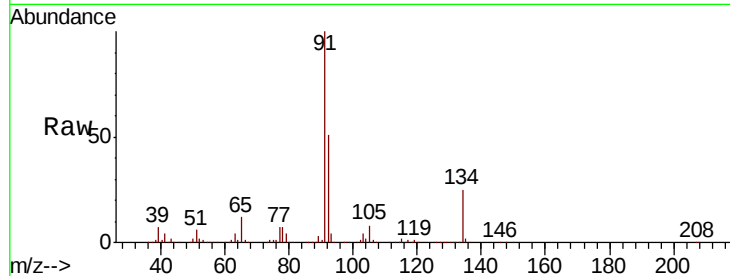
Tot Ion: 91 Resp: 1102419

Ion Ratio Lower Upper

91 100

92 51.1 25.7 77.0

134 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058189.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058189.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058189.D (-3669) (-)

13.62

800000

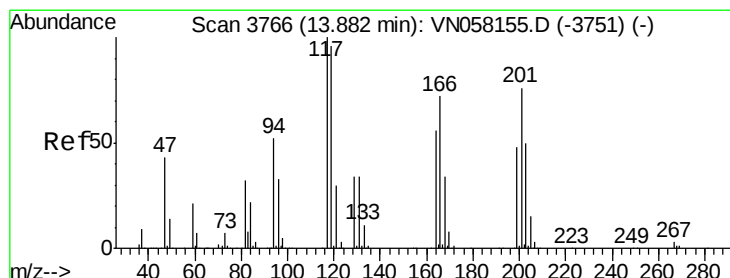
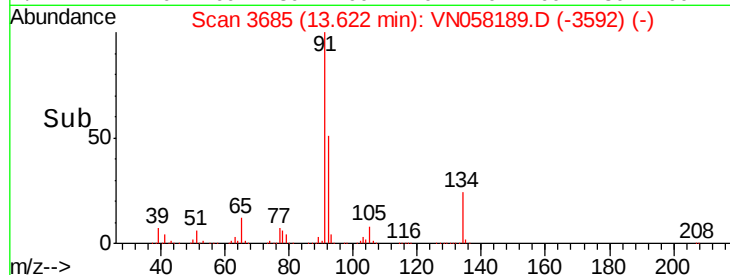
600000

400000

200000

0

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 48.294 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058189.D

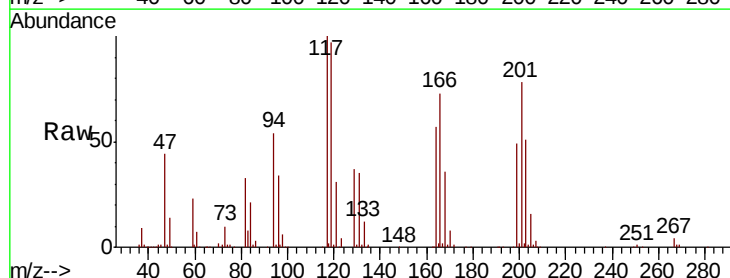
Acq: 19 Sep 2019 8:55

Tgt Ion: 117 Resp: 179466

Ion Ratio Lower Upper

117 100

201 77.2 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058189.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058189.D (-3673) (-)

13.88

120000

100000

80000

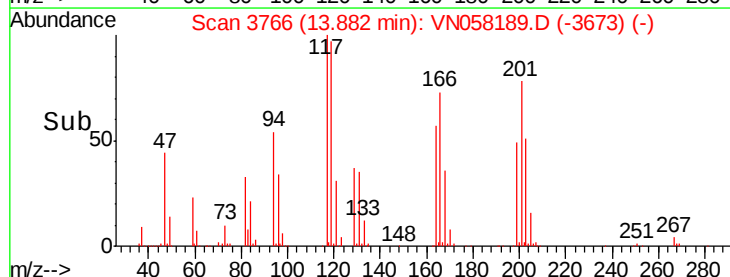
60000

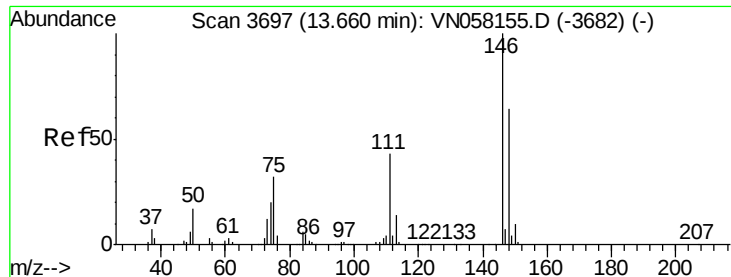
40000

20000

0

Time--> 13.80 13.85 13.90 13.95





#91

1,2-Dichlorobenzene

Concen: 51.146 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

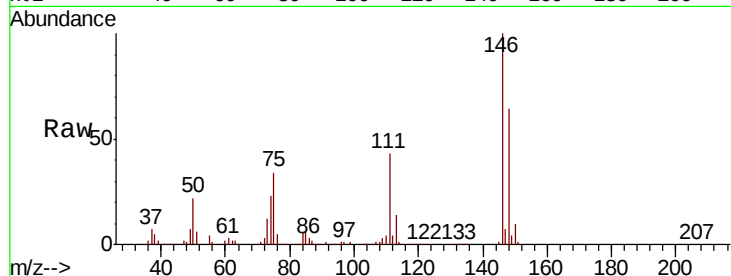
Tot Ion:146 Resp: 571004

Ion Ratio Lower Upper

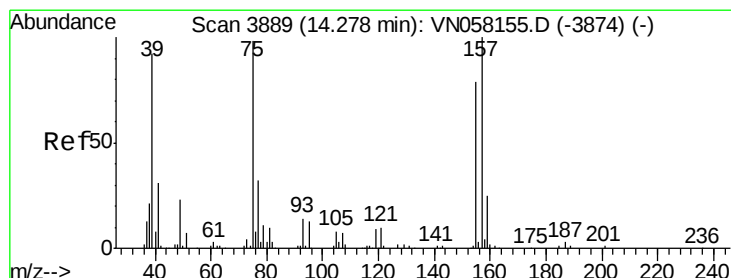
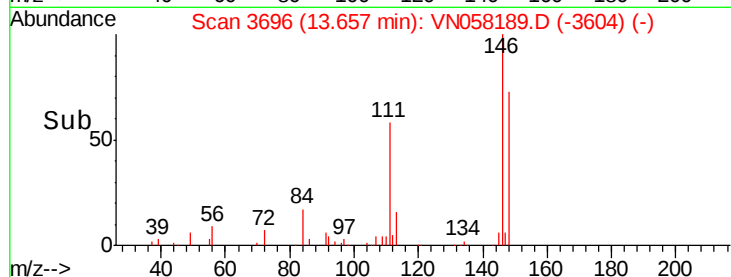
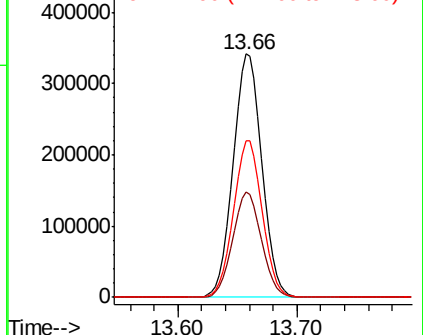
146 100

111 43.2 21.1 63.1

148 64.2 31.8 95.4



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: 49.572 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

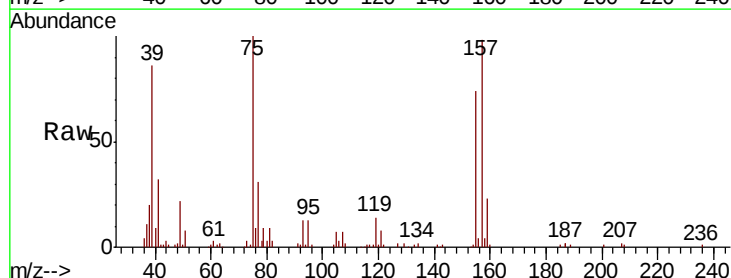
Tgt Ion: 75 Resp: 72396

Ion Ratio Lower Upper

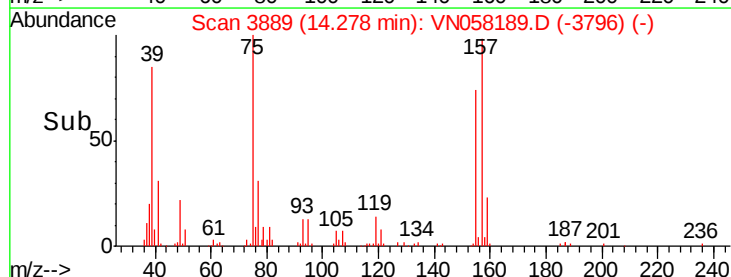
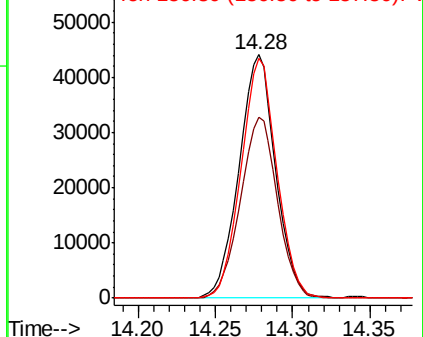
75 100

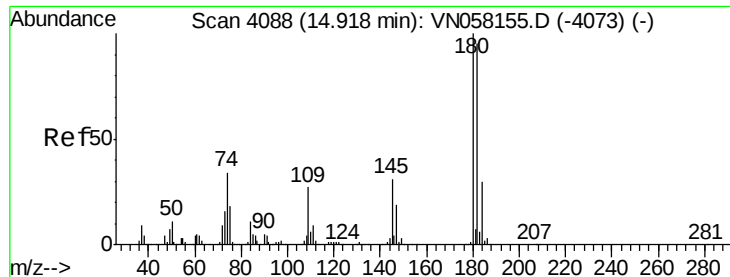
155 75.5 38.3 114.8

157 96.2 48.0 144.0



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

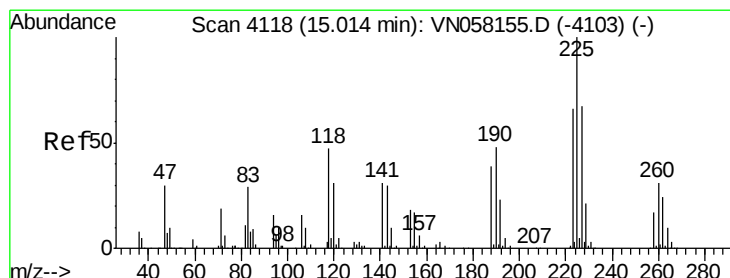
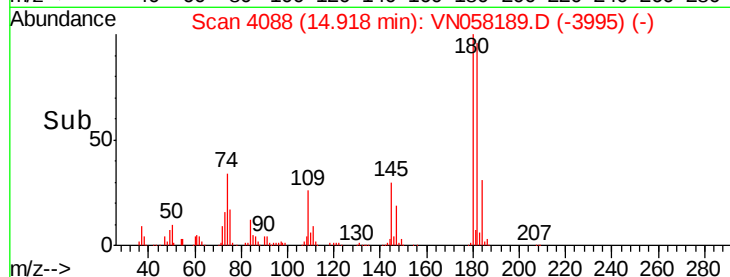
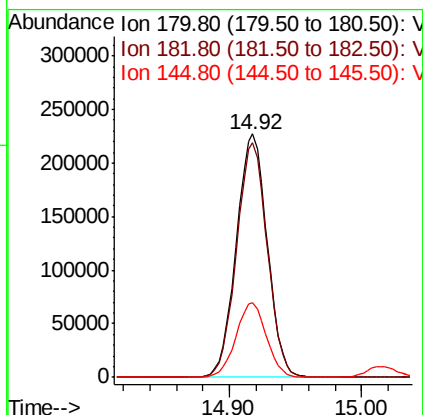
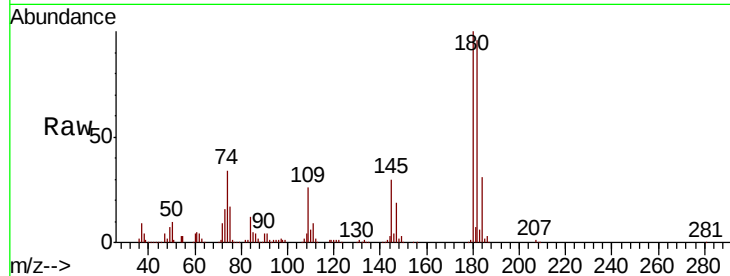




#93
 1,2,4-Trichlorobenzene
 Concen: 51.579 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

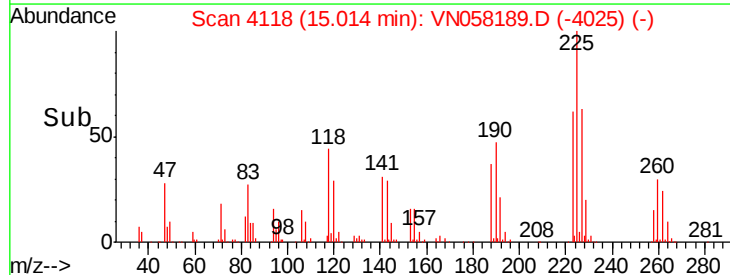
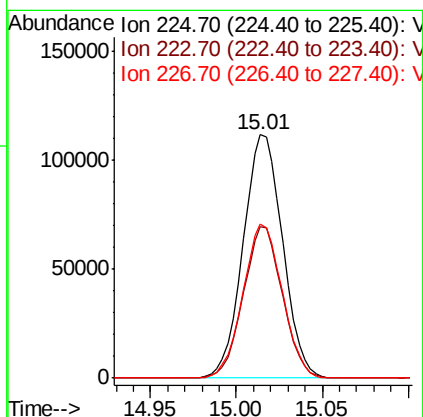
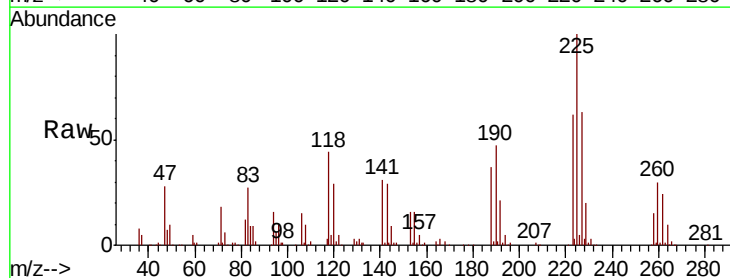
Instrument :
 MSVOA_N
 ClientSampleId :

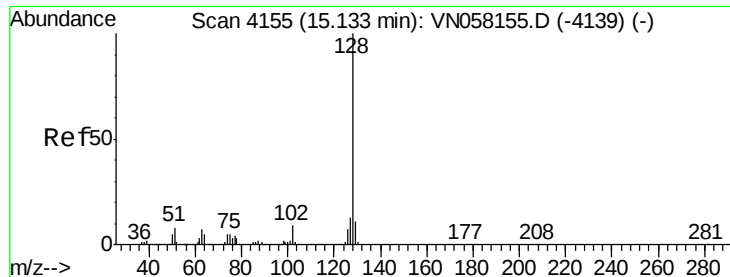
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	30.1	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 51.639 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058189.D
 Acq: 19 Sep 2019 8:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.6	97.7
227	63.4	33.0	99.0





#95

Naphthalene

Concen: 51.023 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

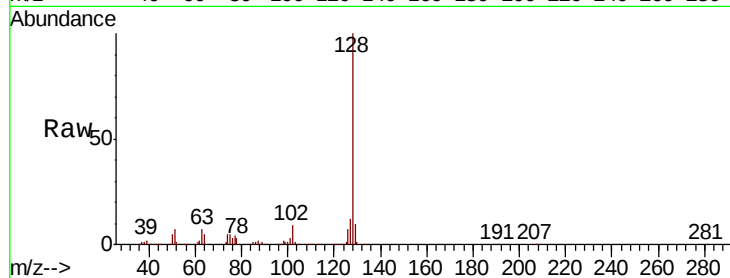
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 943193

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.4	8.6	12.8

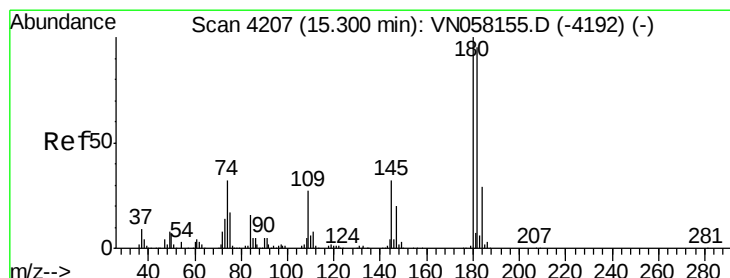
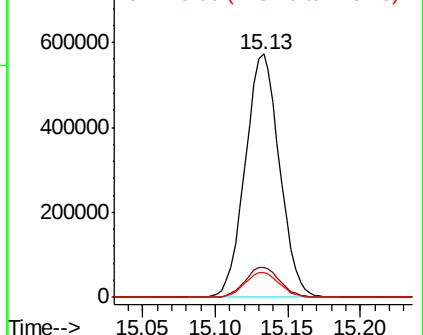
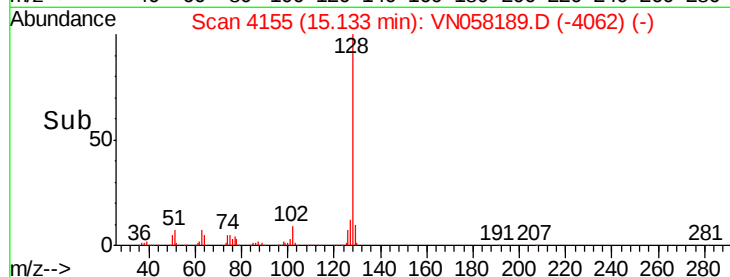


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.201 ug/l

RT: 15.30 min Scan# 4207

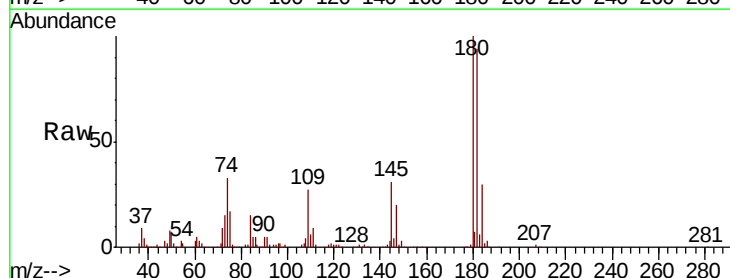
Delta R.T. 0.00 min

Lab File: VN058189.D

Acq: 19 Sep 2019 8:55

Tgt Ion:180 Resp: 338452

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	31.9	16.1	48.2



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

