

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058157.D
 Acq On : 18 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 19 01:44:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	597332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	986222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	904057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	454568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	1253288	110.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.14%	
35) Dibromofluoromethane	7.57	113	921807	108.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.46%	
50) Toluene-d8	10.08	98	3305577	100.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.90%	
62) 4-Bromofluorobenzene	12.40	95	1356473	107.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	704181	92.276	ug/l	99
3) Chloromethane	2.03	50	563805	72.908	ug/l	99
4) Vinyl Chloride	2.17	62	615436	75.283	ug/l	100
5) Bromomethane	2.52	94	331198	68.563	ug/l	98
6) Chloroethane	2.67	64	388012	74.088	ug/l	99
7) Trichlorofluoromethane	3.00	101	907364	87.252	ug/l	99
8) Diethyl Ether	3.39	74	435640	98.557	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	670501	100.905	ug/l	100
10) Methyl Iodide	3.93	142	664910	94.384	ug/l	99
11) Tert butyl alcohol	4.76	59	793896	588.809	ug/l	99
12) 1,1-Dichloroethene	3.72	96	548975	92.134	ug/l	97
13) Acrolein	3.59	56	122086	119.749	ug/l	98
14) Allyl chloride	4.30	41	1188662	101.444	ug/l	100
15) Acrylonitrile	4.96	53	2057160	543.247	ug/l	100
16) Acetone	3.79	43	2027745	544.765	ug/l	98
17) Carbon Disulfide	4.03	76	793104	73.017	ug/l	98
18) Methyl Acetate	4.30	43	1097550	110.176	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	2743818	110.057	ug/l	98
20) Methylene Chloride	4.53	84	744199	91.982	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	595929	92.516	ug/l	98
22) Diisopropyl ether	5.93	45	3060205	111.375	ug/l	99
23) Vinyl Acetate	5.87	43	9007461	465.252	ug/l #	83
24) 1,1-Dichloroethane	5.82	63	1557283	103.850	ug/l	100
25) 2-Butanone	6.81	43	2957214	548.505	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1345046	113.028	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	869145	100.193	ug/l	98
28) Bromochloromethane	7.18	49	760891	101.604	ug/l	99
29) Tetrahydrofuran	7.19	42	1812312	545.458	ug/l	99
30) Chloroform	7.36	83	1656689	105.374	ug/l	99
31) Cyclohexane	7.64	56	1010196	91.452	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	1340807	107.610	ug/l	100
36) 1,1-Dichloropropene	7.78	75	1001159	93.411	ug/l	99
37) Ethyl Acetate	6.91	43	1137298	102.373	ug/l	99
38) Carbon Tetrachloride	7.76	117	1085561	110.473	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1040458	92.578	ug/l	99
40) Benzene	8.03	78	3065162	94.990	ug/l	98
41) Methacrylonitrile	7.19	41	1725836	342.603	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	1331662	102.847	ug/l	100
43) Isopropyl Acetate	8.15	43	2089514	111.801	ug/l	100
44) Trichloroethene	8.82	130	781723	98.491	ug/l	100
45) 1,2-Dichloropropane	9.11	63	967570	102.662	ug/l	100
46) Dibromomethane	9.20	93	588919	103.514	ug/l	99
47) Bromodichloromethane	9.39	83	1338064	118.110	ug/l	98
48) Methyl methacrylate	9.19	41	1005596	106.672	ug/l	99
49) 1,4-Dioxane	9.19	88	317385	1981.303	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	4569007	417.812	ug/l #	79
52) Toluene	10.15	92	1996964	98.366	ug/l	91
53) t-1,3-Dichloropropene	10.38	75	1467911	123.294	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1534036	116.636	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	925849	107.528	ug/l	99
56) Ethyl methacrylate	10.43	69	1458905	113.093	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1559725	105.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3262090	542.039	ug/l	93
59) 2-Hexanone	10.75	43	3758242	459.668	ug/l	86
60) Dibromochloromethane	10.90	129	1029689	128.973	ug/l	99
61) 1,2-Dibromoethane	11.00	107	869279	107.075	ug/l	99
64) Tetrachloroethene	10.63	164	631334	100.139	ug/l	98
65) Chlorobenzene	11.43	112	2287304	102.763	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	936787	120.987	ug/l	100
67) Ethyl Benzene	11.51	91	3532203	90.643	ug/l #	78
68) m/p-Xylenes	11.62	106	2950140	206.754	ug/l #	72
69) o-Xylene	11.95	106	1546042	109.324	ug/l	85
70) Styrene	11.97	104	2662300	109.408	ug/l	96
71) Bromoform	12.13	173	692710	144.034	ug/l	99
73) Isopropylbenzene	12.25	105	3602722	105.754	ug/l	88
74) N-amyl acetate	12.07	43	1971763	133.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1435492	125.225	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1827260	185.255	ug/l #	100
77) Bromobenzene	12.53	156	1040631	121.865	ug/l	99
78) n-propylbenzene	12.60	91	3923738	100.448	ug/l	85
79) 2-Chlorotoluene	12.68	91	2858155	115.482	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3234744	112.254	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.30	75	456038	163.437	ug/l	96
82) 4-Chlorotoluene	12.78	91	3010985	118.449	ug/l	94
83) tert-Butylbenzene	13.00	119	3018873	117.902	ug/l	94
84) 1,2,4-Trimethylbenzene	13.05	105	3217423	110.168	ug/l	88
85) sec-Butylbenzene	13.18	105	3601686	106.273	ug/l	90
86) p-Isopropyltoluene	13.29	119	3335862	111.859	ug/l	88
87) 1,3-Dichlorobenzene	13.29	146	1974553	126.585	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1983825	124.861	ug/l	99
89) n-Butylbenzene	13.62	91	3280036	116.066	ug/l	87
90) Hexachloroethane	13.88	117	696278	156.110	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	1981098	126.781	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	305729	160.805	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 01:40:20 2019
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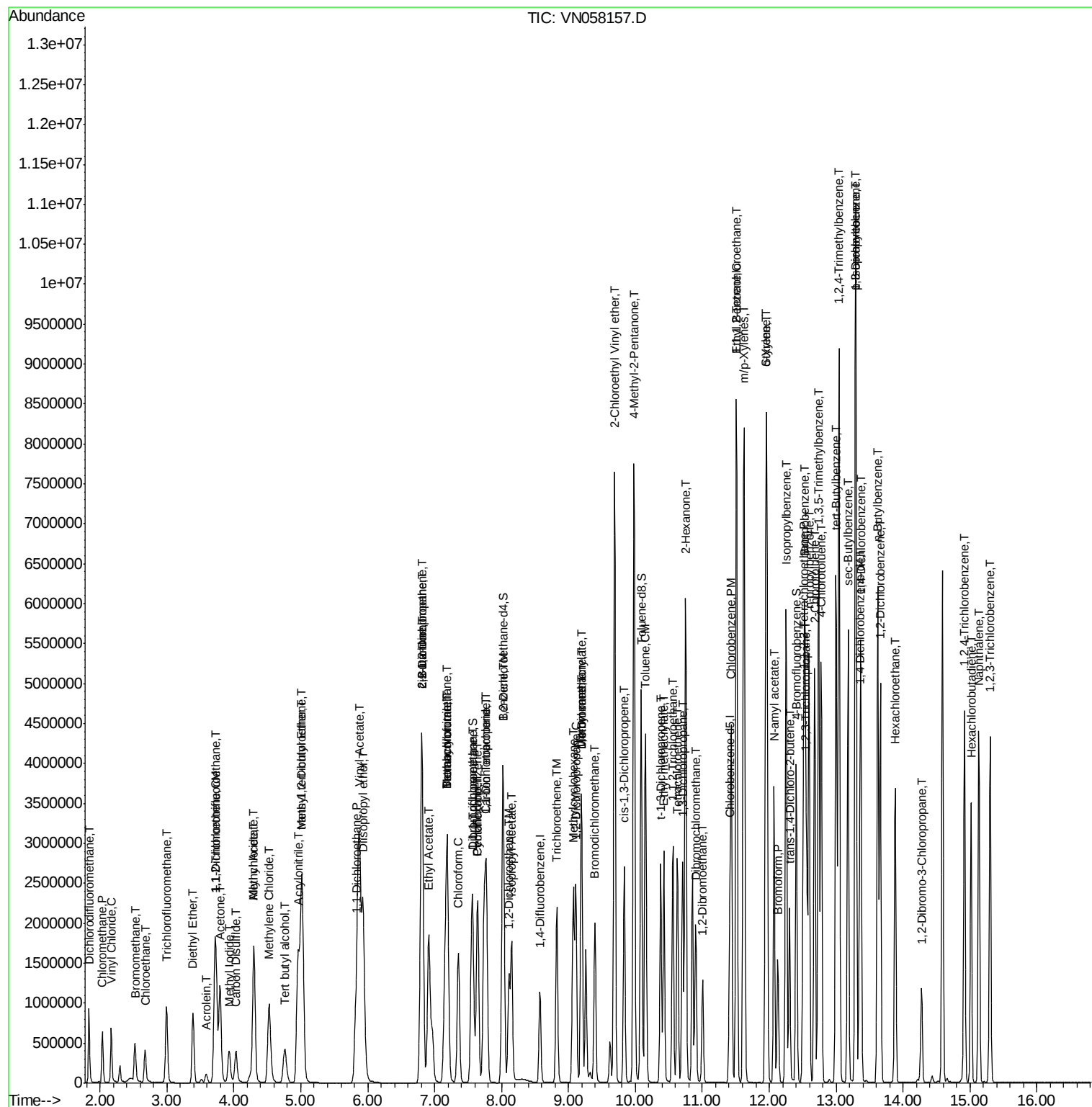
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1411422	136.700	ug/l	100
94) Hexachlorobutadiene	15.02	225	629564	142.210	ug/l	97
95) Naphthalene	15.13	128	3405691	115.126	ug/l	95
96) 1,2,3-Trichlorobenzene	15.30	180	1327672	131.462	ug/l	100

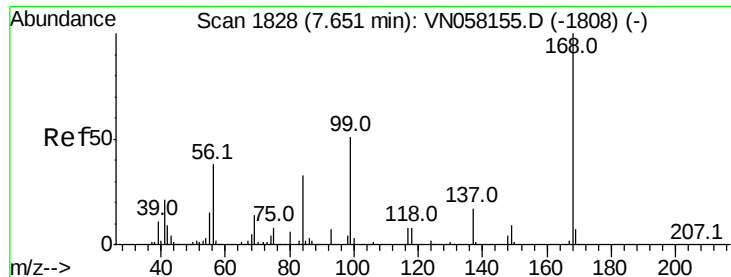
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

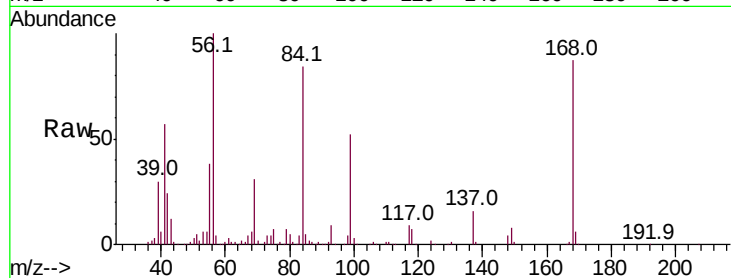
VSTDIC150

Tot Ion:168 Resp: 597332

Ion Ratio Lower Upper

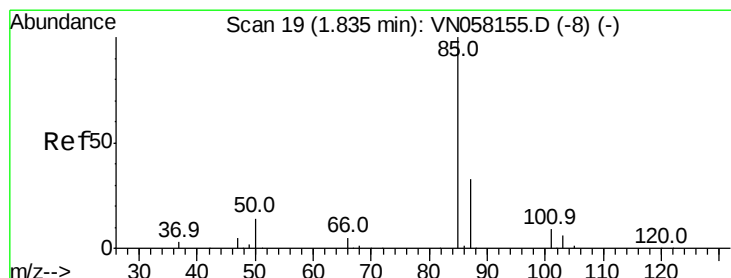
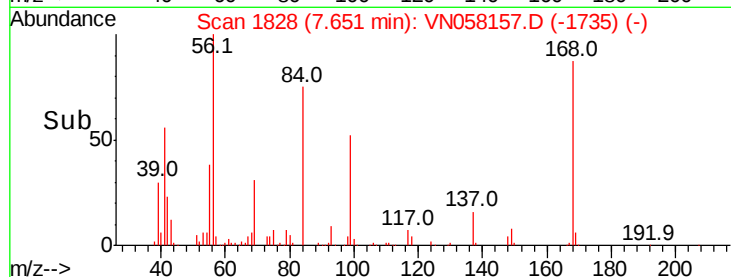
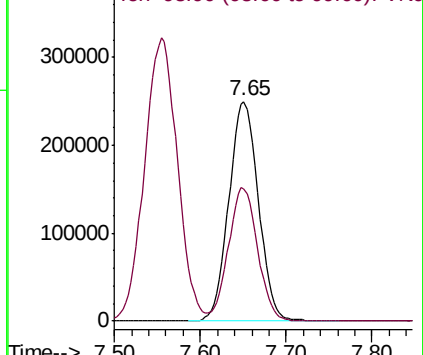
168 100

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



#2

Dichlorodifluoromethane

Concen: 92.276 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058157.D

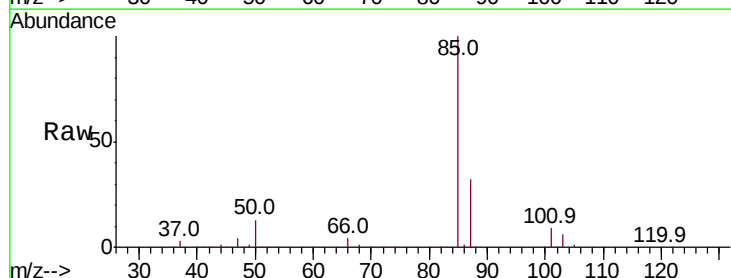
Acq: 18 Sep 2019 11:11

Tgt Ion: 85 Resp: 704181

Ion Ratio Lower Upper

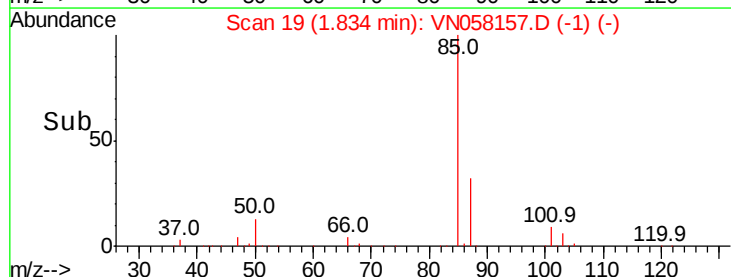
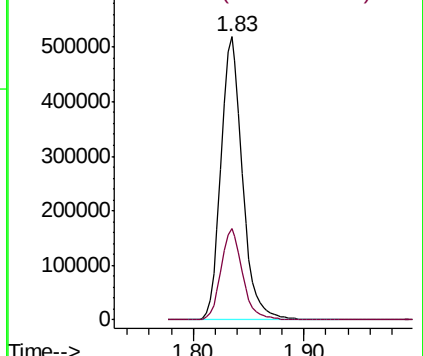
85 100

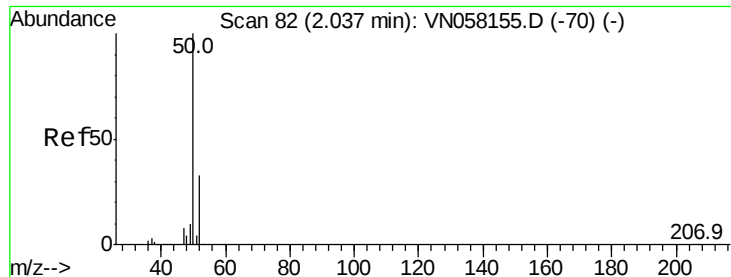
87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 72.908 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

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ClientSampleId :

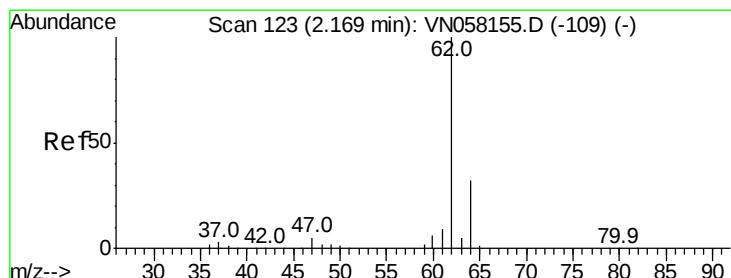
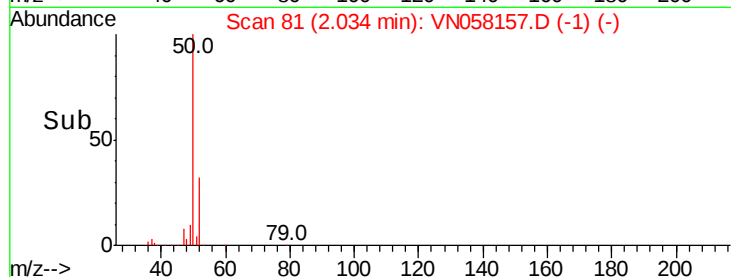
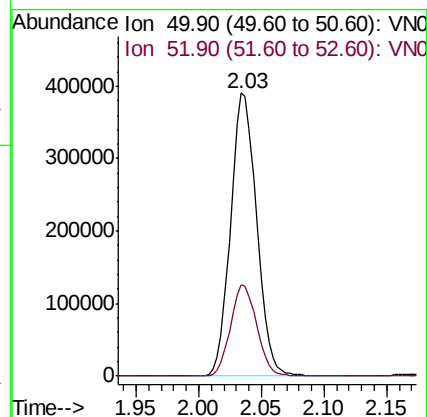
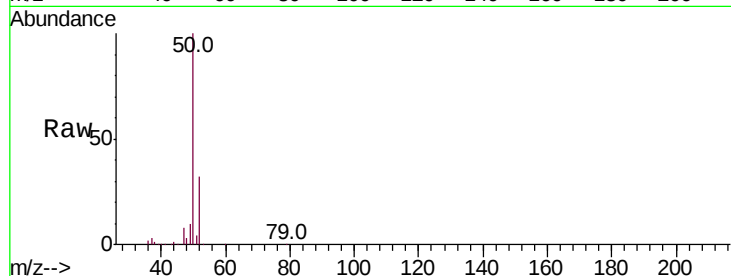
VSTDIC150

Tot Ion: 50 Resp: 563805

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 75.283 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058157.D

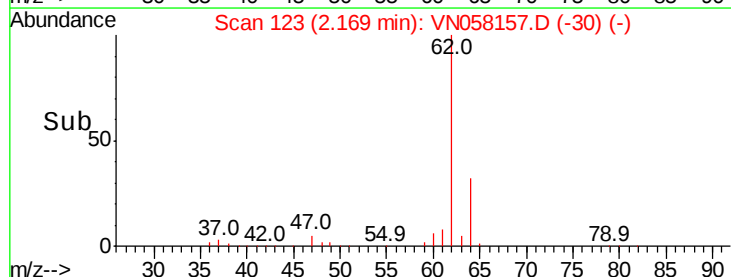
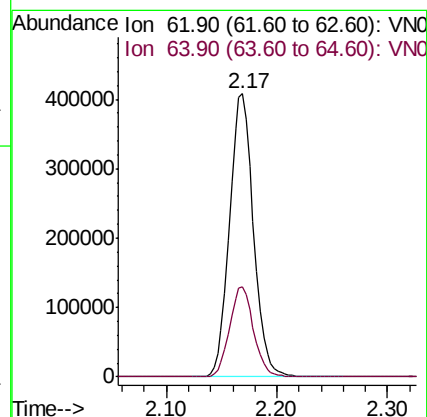
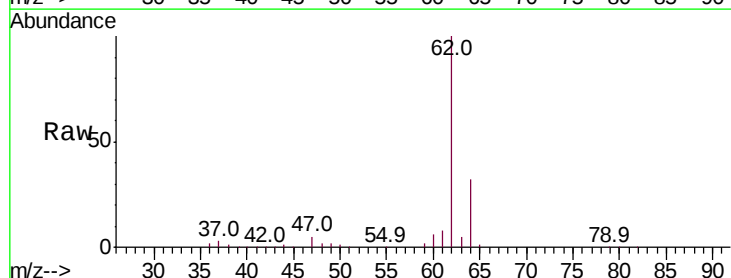
Acq: 18 Sep 2019 11:11

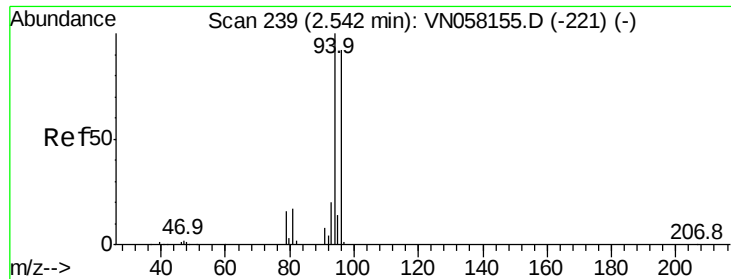
Tgt Ion: 62 Resp: 615436

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 68.563 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

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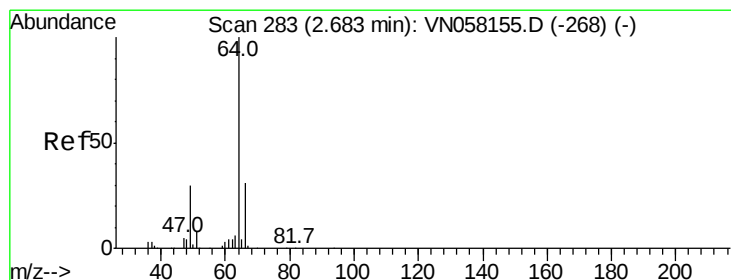
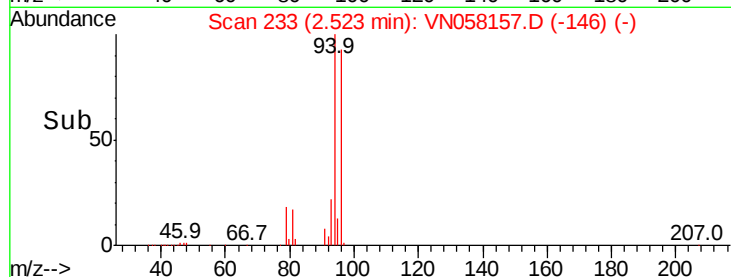
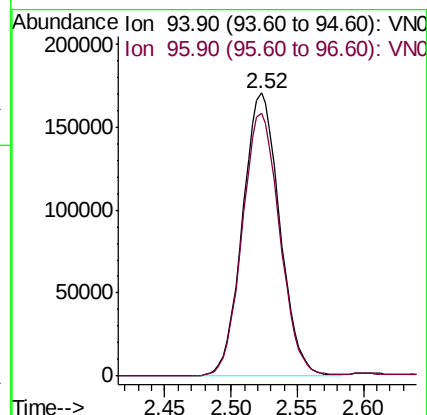
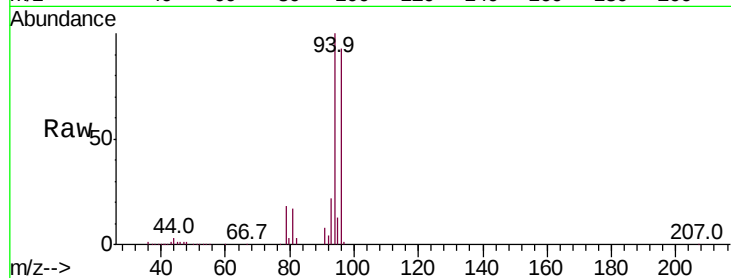
VSTDIC150

Tot Ion: 94 Resp: 331198

Ion Ratio Lower Upper

94 100

96 93.1 73.3 109.9



#6

Chloroethane

Concen: 74.088 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058157.D

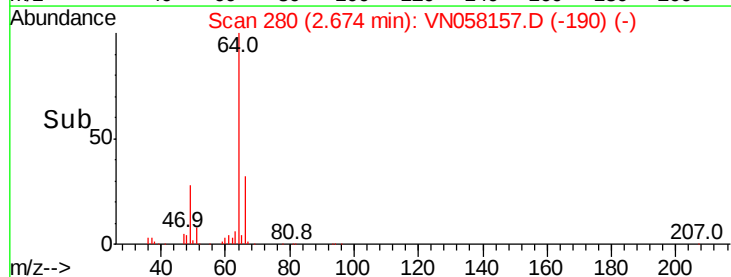
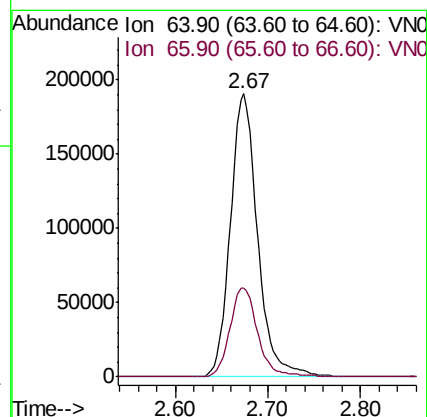
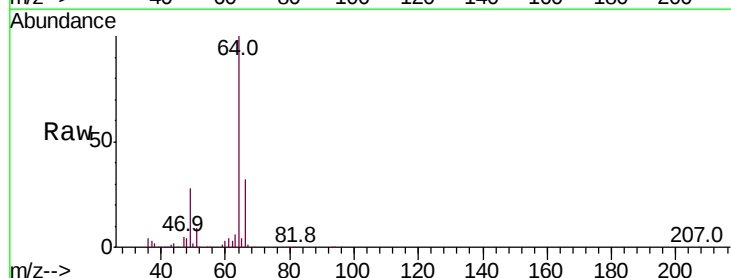
Acq: 18 Sep 2019 11:11

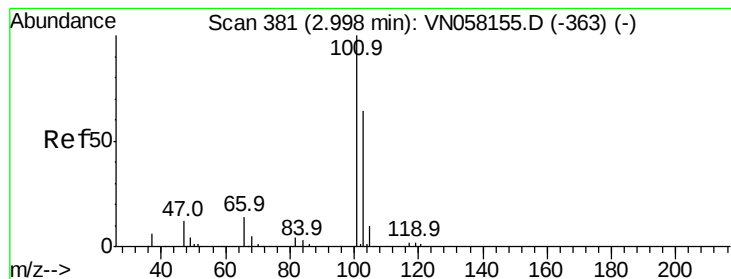
Tgt Ion: 64 Resp: 388012

Ion Ratio Lower Upper

64 100

66 31.6 24.6 37.0



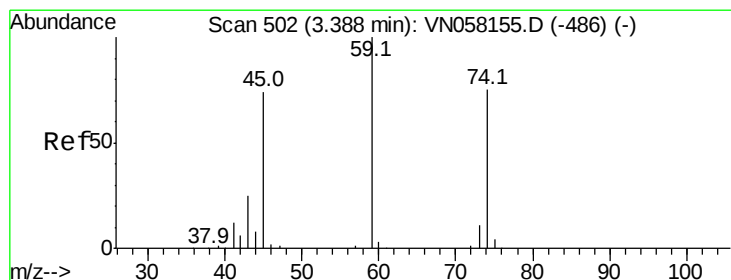
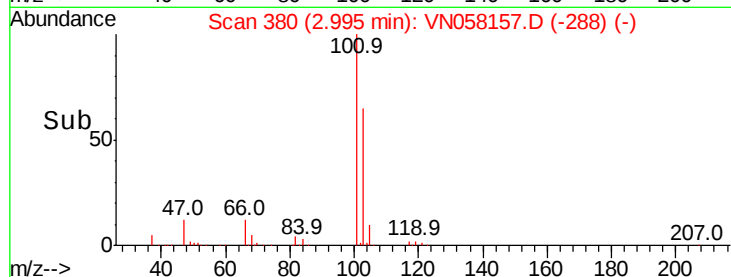
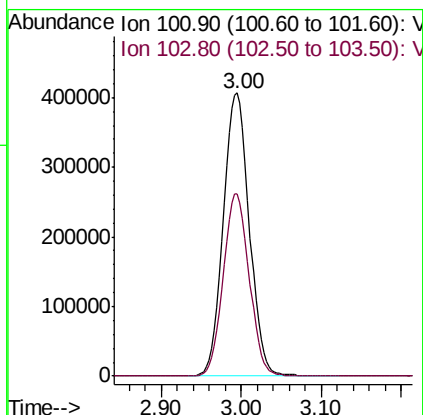
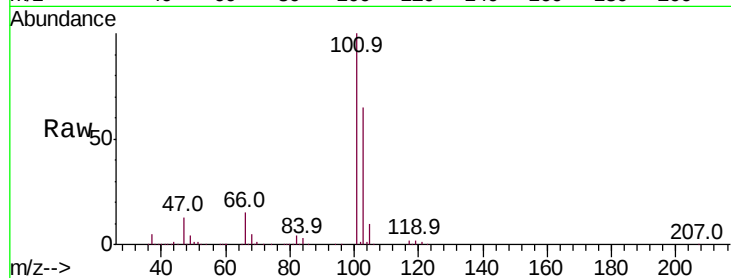


#7

Trichlorofluoromethane
 Concen: 87.252 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
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 VSTDIC150

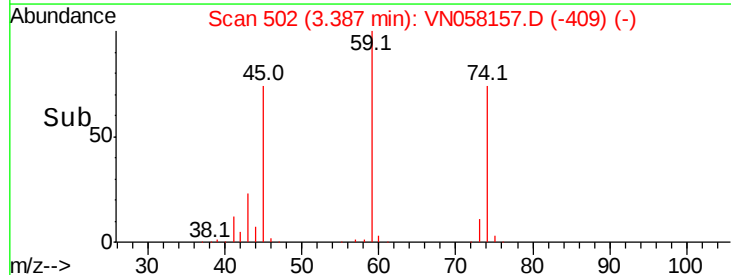
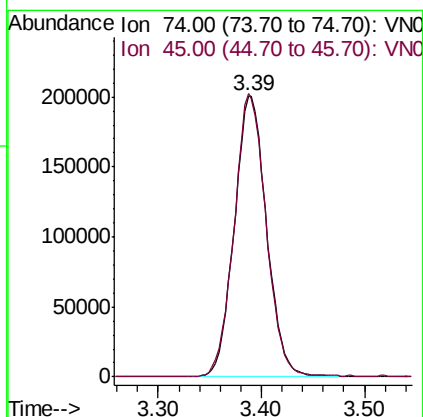
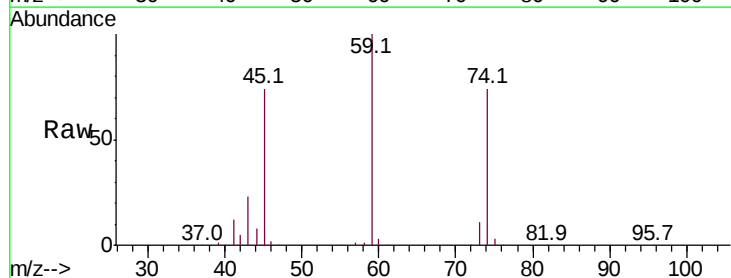
Tot Ion:101 Resp: 907364
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.0 76.6

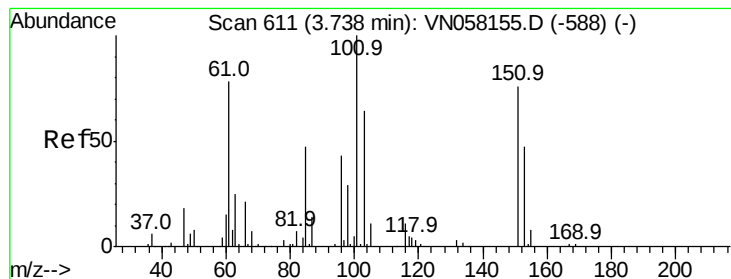


#8

Diethyl Ether
 Concen: 98.557 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 74 Resp: 435640
 Ion Ratio Lower Upper
 74 100
 45 99.6 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.905 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

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VSTDIC150

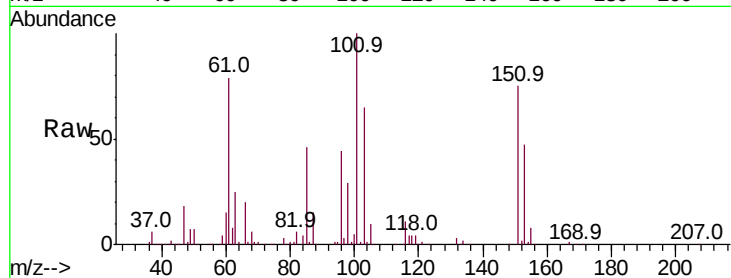
Tot Ion:101 Resp: 670501

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

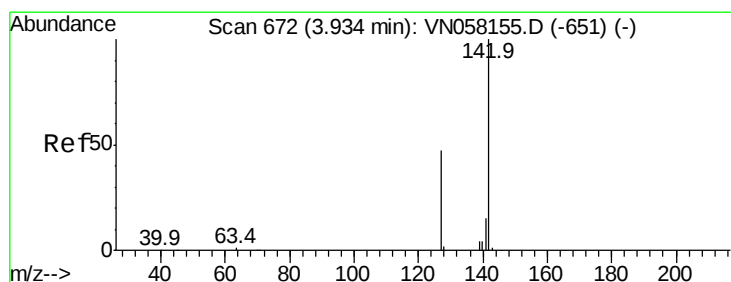
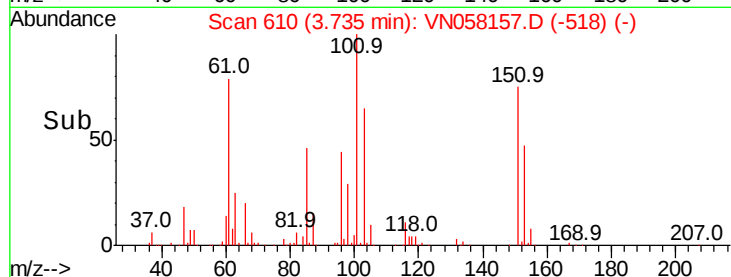
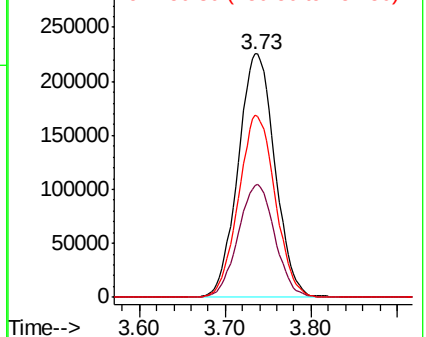
151 74.5 59.6 89.4



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: 94.384 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

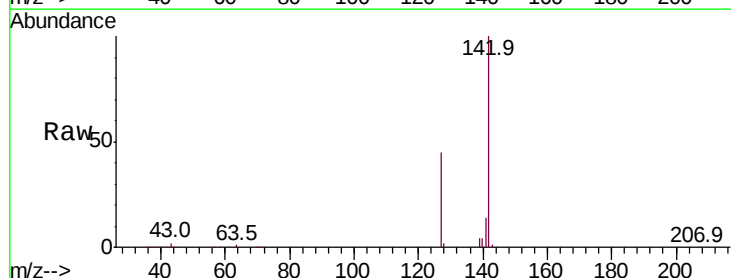
Tgt Ion:142 Resp: 664910

Ion Ratio Lower Upper

142 100

127 45.8 37.5 56.3

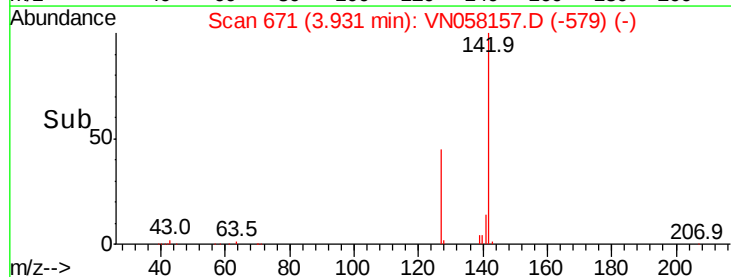
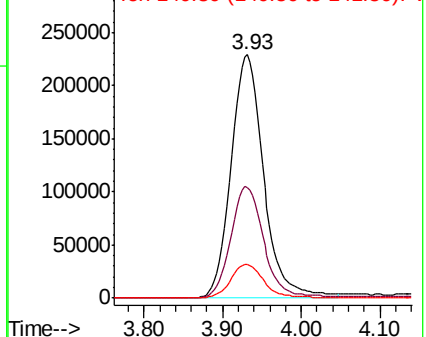
141 14.0 11.4 17.2

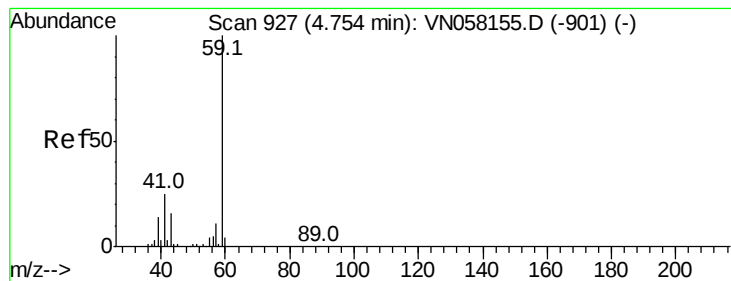


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



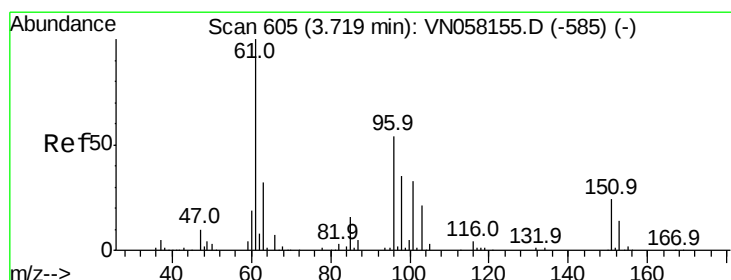
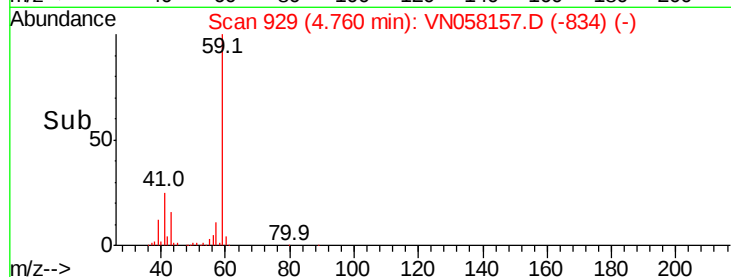
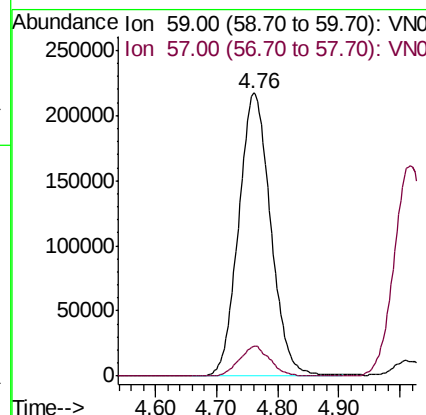
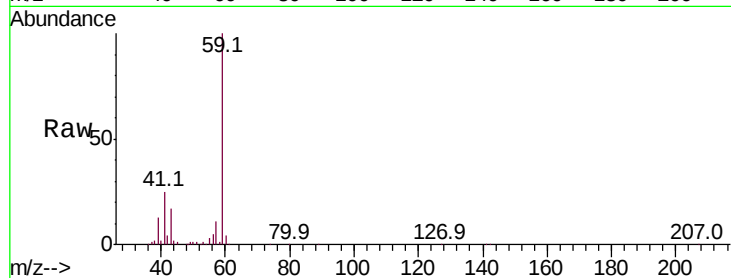


#11

Tert butyl alcohol
 Concen: 588.809 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

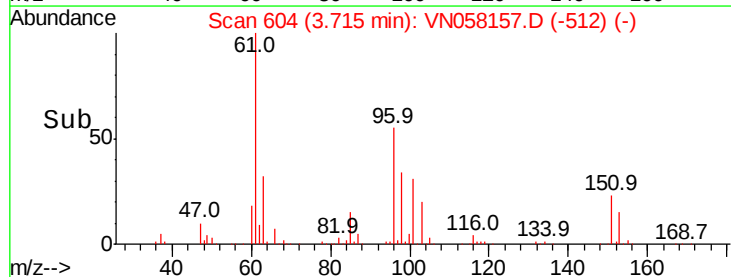
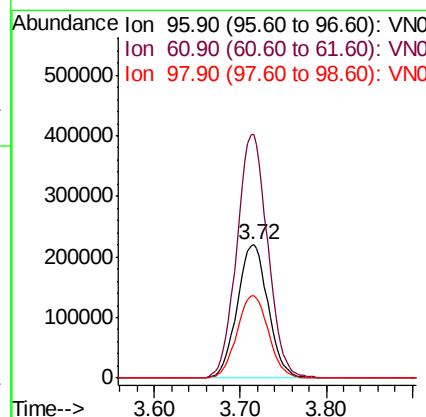
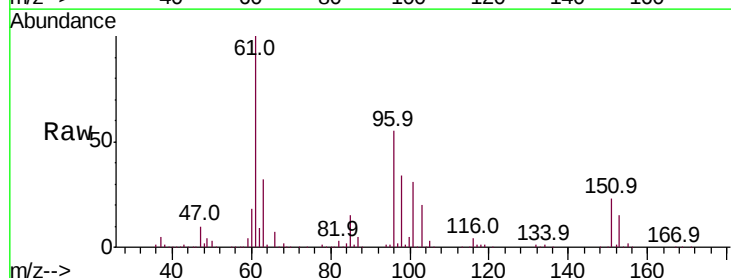
Tot Ion: 59 Resp: 793896
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 13.0

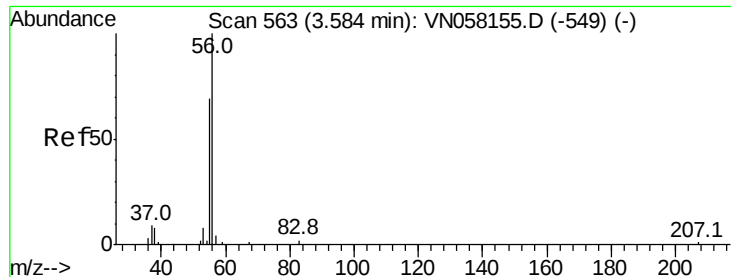


#12

1,1-Dichloroethene
 Concen: 92.134 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 96 Resp: 548975
 Ion Ratio Lower Upper
 96 100
 61 182.8 149.5 224.3
 98 62.2 52.4 78.6





#13

Acrolein

Concen: 119.749 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

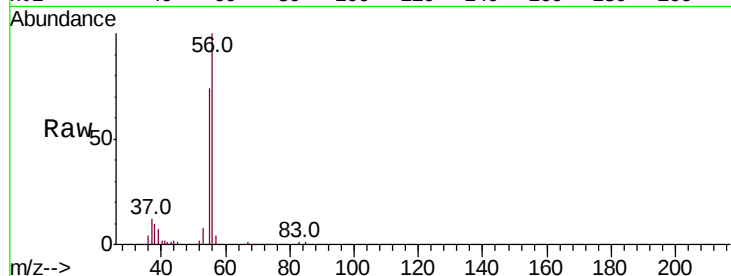
VSTDIC150

Tot Ion: 56 Resp: 122086

Ion Ratio Lower Upper

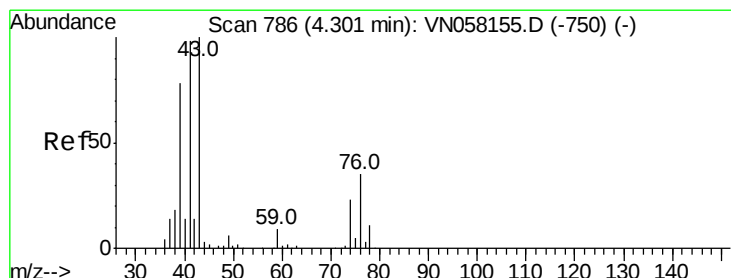
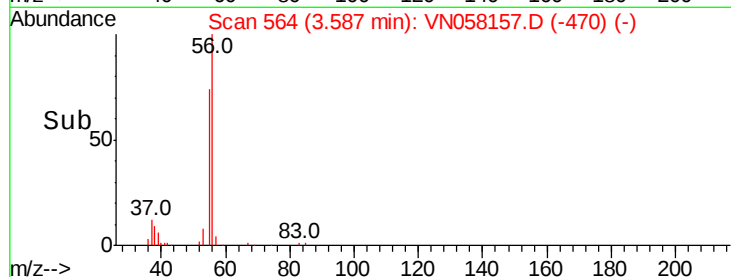
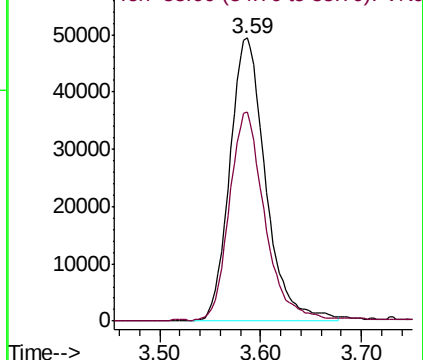
56 100

55 72.0 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 101.444 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

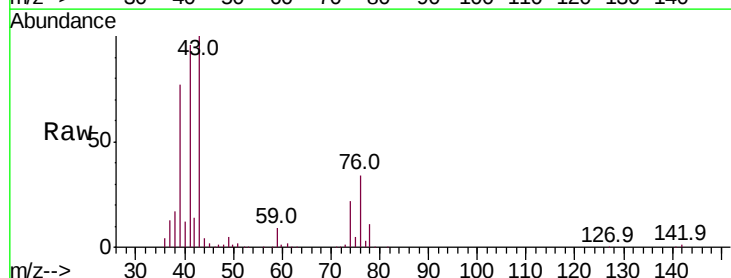
Tgt Ion: 41 Resp: 1188662

Ion Ratio Lower Upper

41 100

39 74.0 59.1 88.7

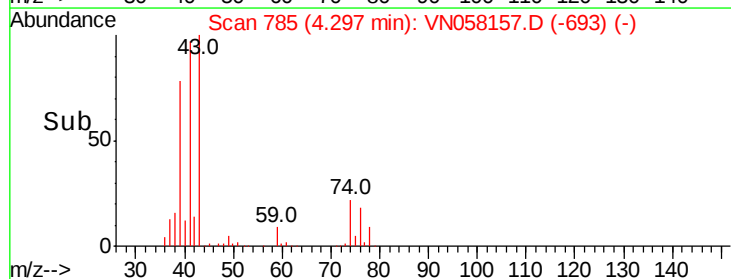
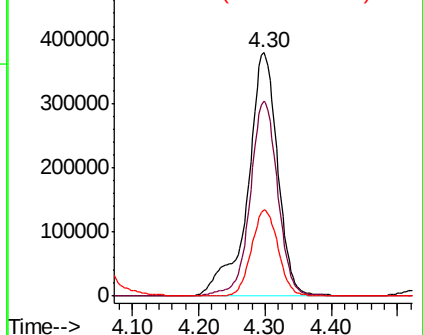
76 31.3 25.1 37.7

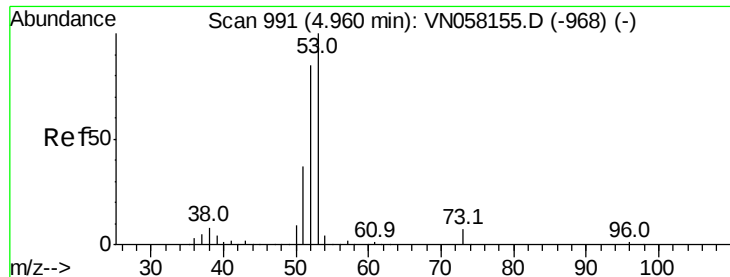


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 543.247 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

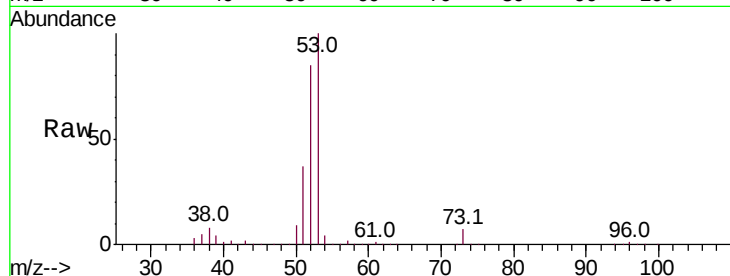
Tot Ion: 53 Resp: 2057160

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

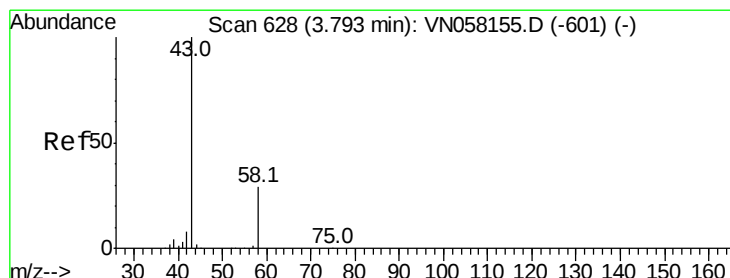
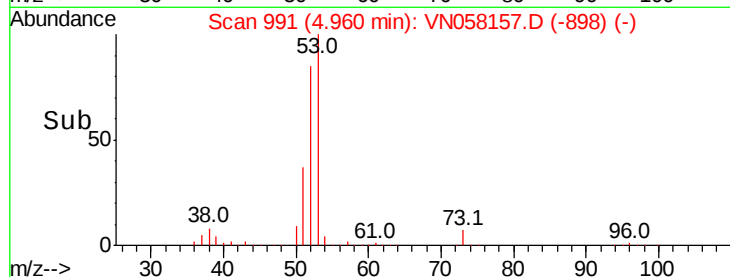
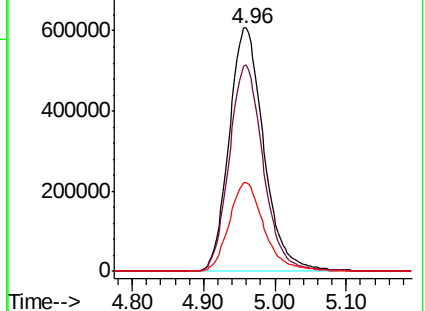
51 36.9 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 544.765 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058157.D

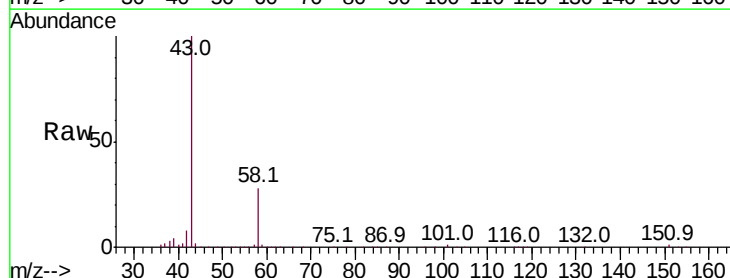
Acq: 18 Sep 2019 11:11

Tgt Ion: 43 Resp: 2027745

Ion Ratio Lower Upper

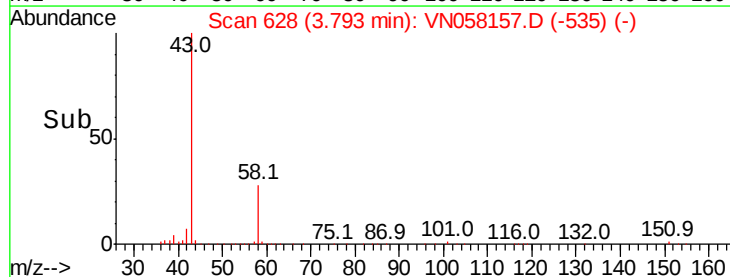
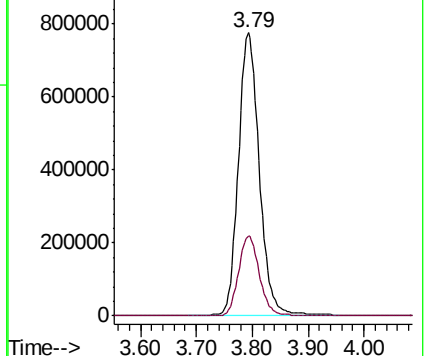
43 100

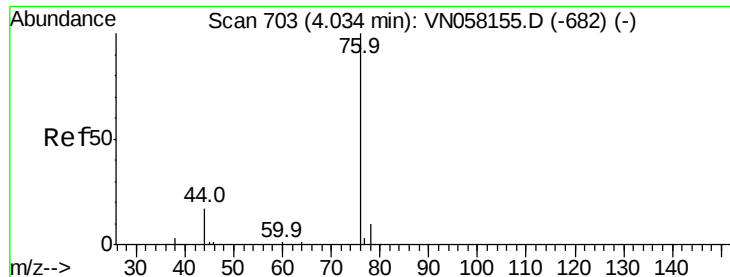
58 28.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

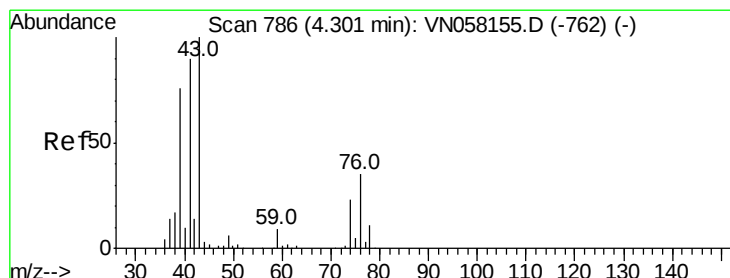
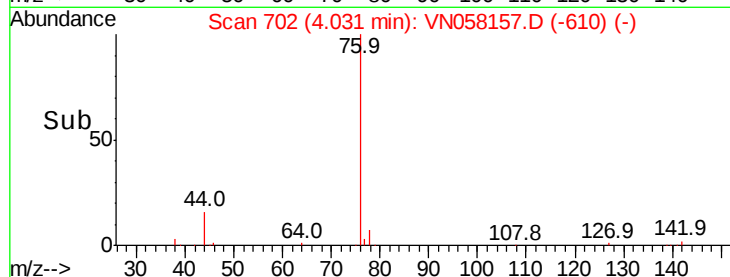
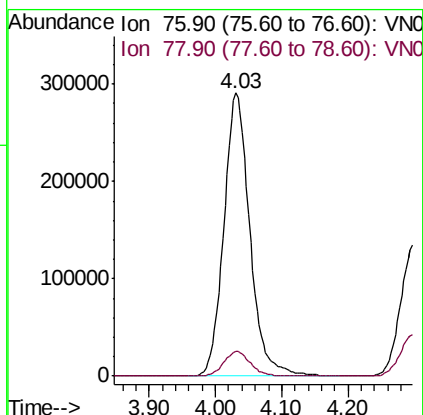
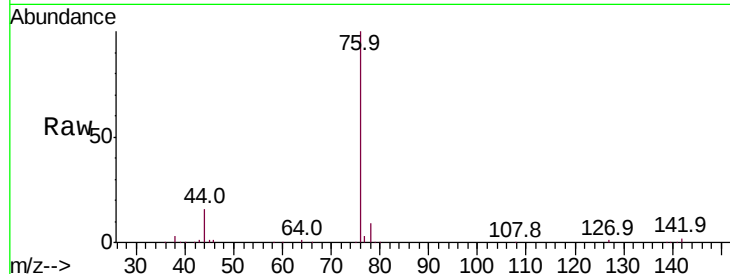




#17
Carbon Disulfide
Concen: 73.017 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

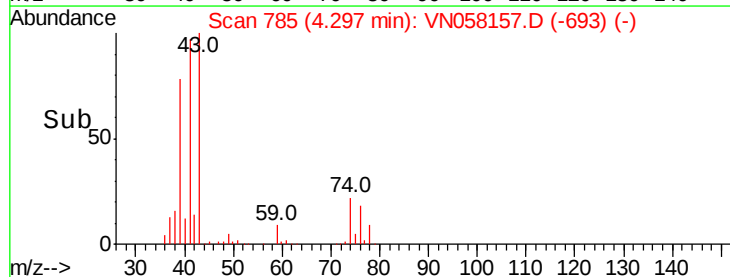
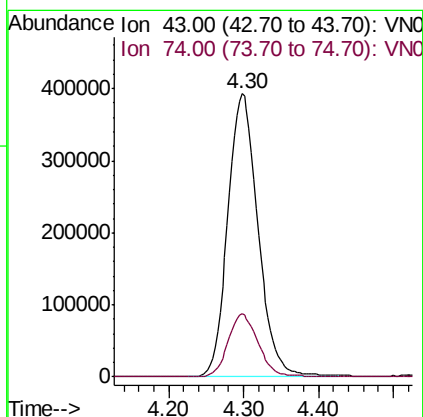
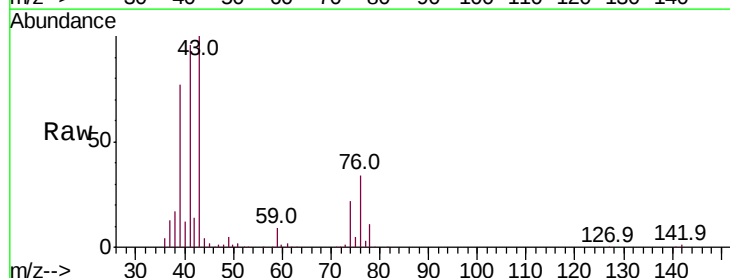
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

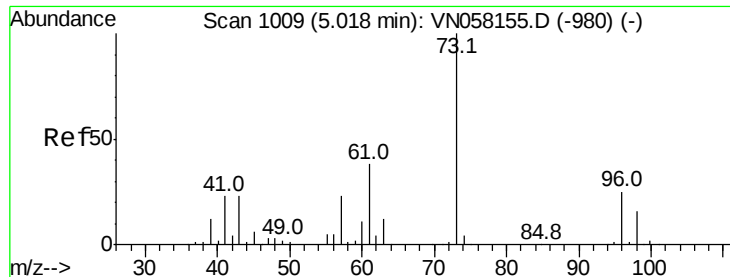
Tot Ion: 76 Resp: 793104
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5



#18
Methyl Acetate
Concen: 110.176 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 43 Resp: 1097550
Ion Ratio Lower Upper
43 100
74 22.3 18.0 27.0

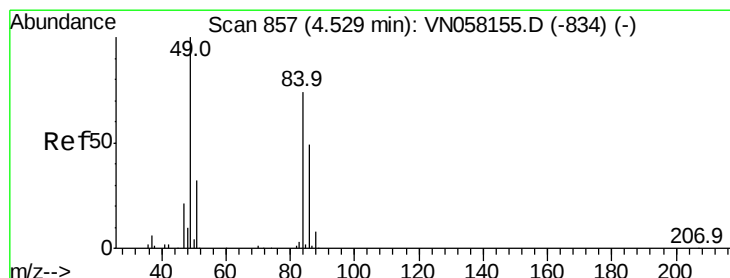
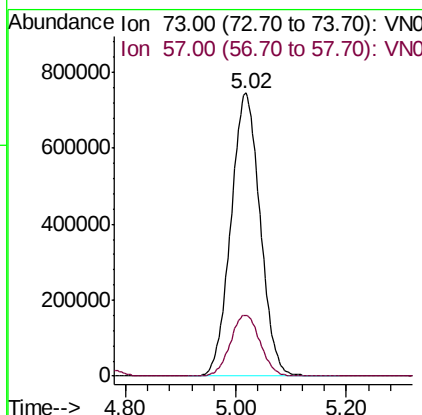
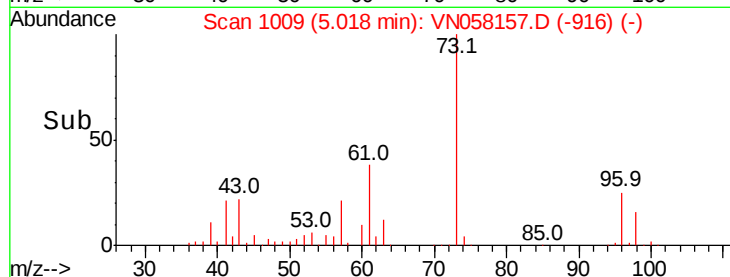
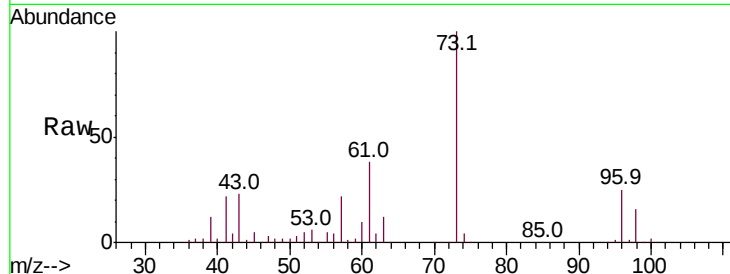




#19
Methyl tert-butyl Ether
Concen: 110.057 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

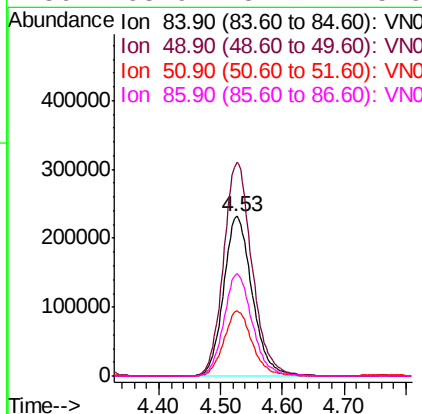
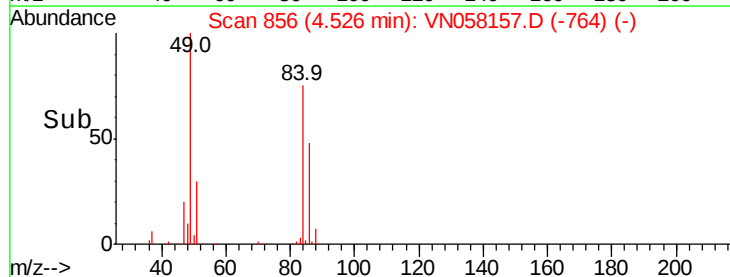
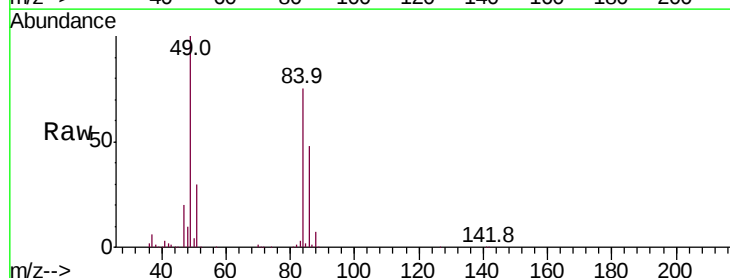
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

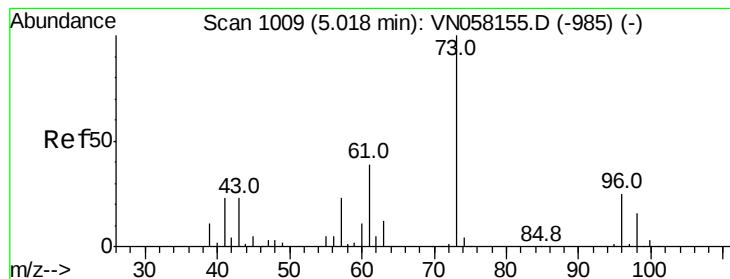
Tot Ion: 73 Resp: 2743818
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1



#20
Methylene Chloride
Concen: 91.982 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 84 Resp: 744199
Ion Ratio Lower Upper
84 100
49 133.6 107.5 161.3
51 40.6 33.9 50.9
86 63.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 92.516 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

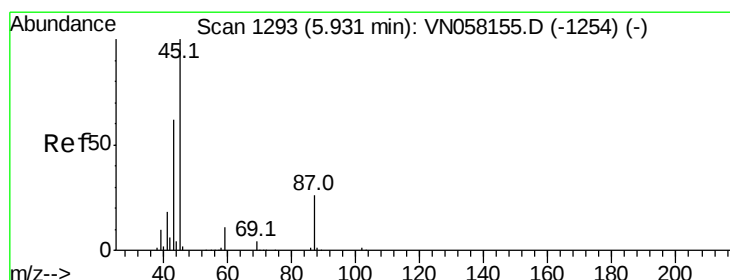
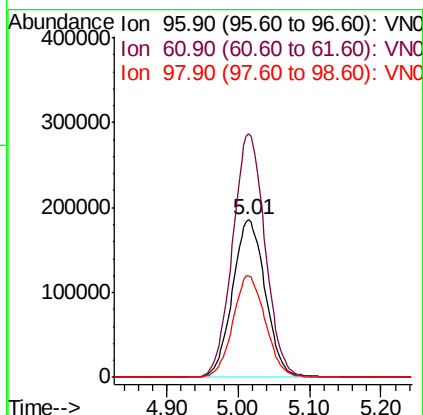
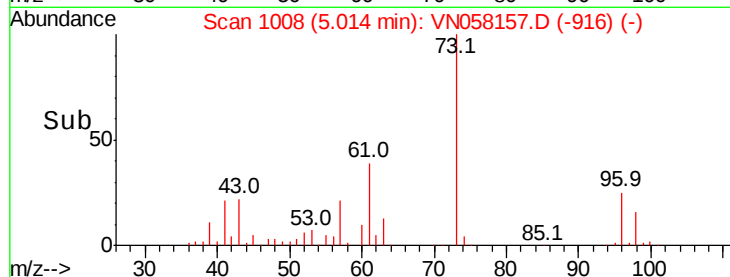
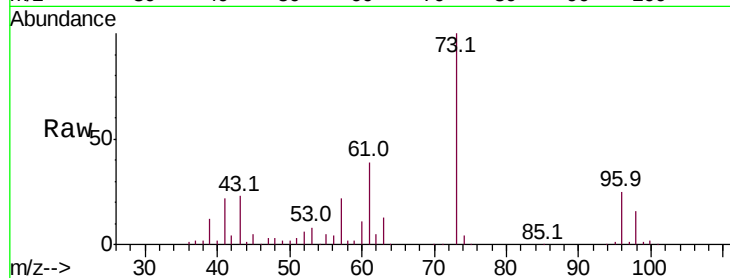
Tot Ion: 96 Resp: 595929

Ion Ratio Lower Upper

96 100

61 154.3 122.2 183.4

98 64.6 49.9 74.9



#22

Diisopropyl ether

Concen: 111.375 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Tgt Ion: 45 Resp: 3060205

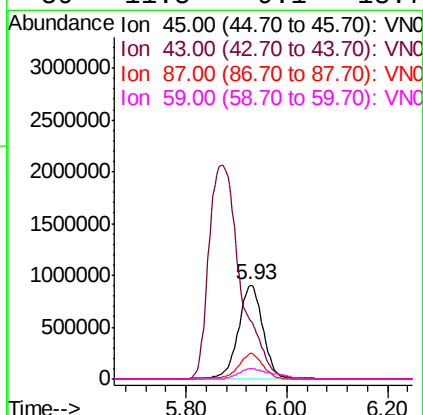
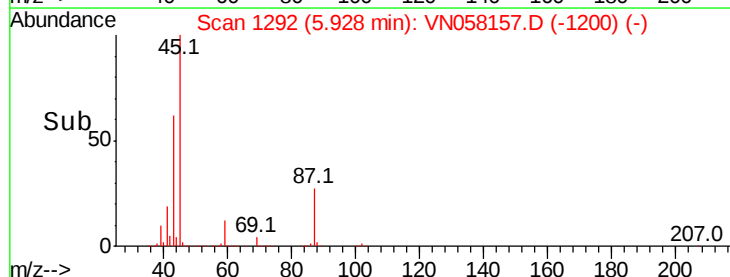
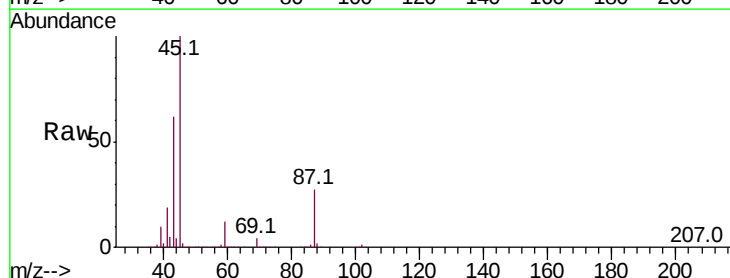
Ion Ratio Lower Upper

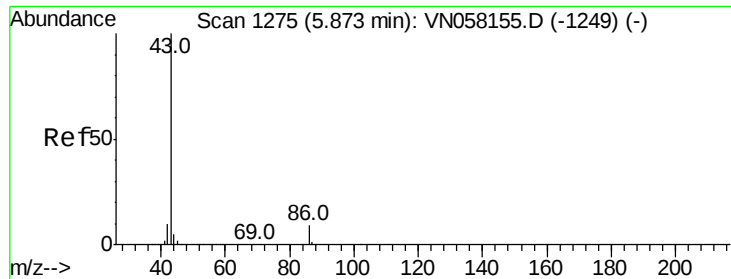
45 100

43 62.0 49.7 74.5

87 26.7 20.7 31.1

59 11.5 9.1 13.7





#23

Vinyl Acetate

Concen: 465.252 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

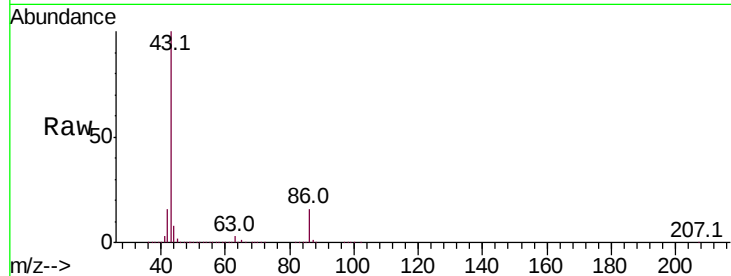
VSTDIC150

Tot Ion: 43 Resp: 9007461

Ion Ratio Lower Upper

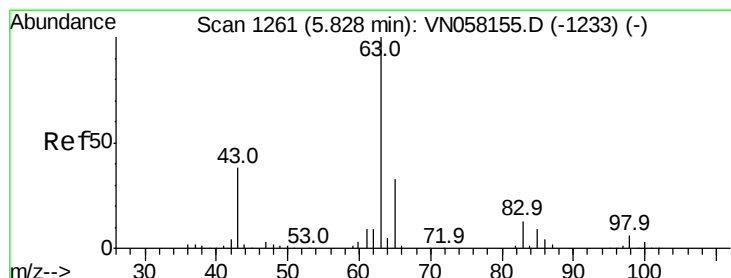
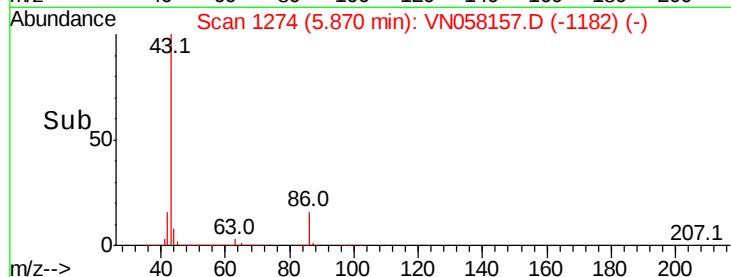
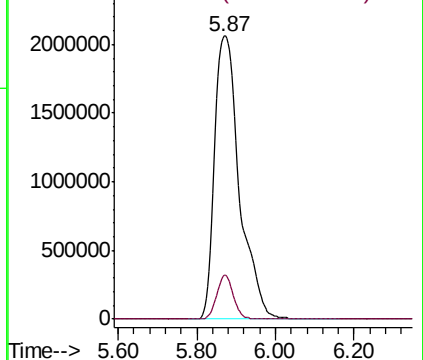
43 100

86 15.5 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 103.850 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

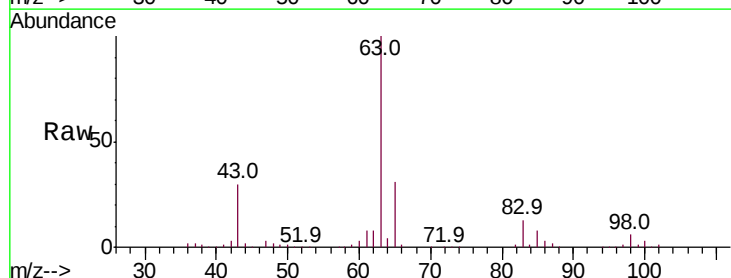
Tgt Ion: 63 Resp: 1557283

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

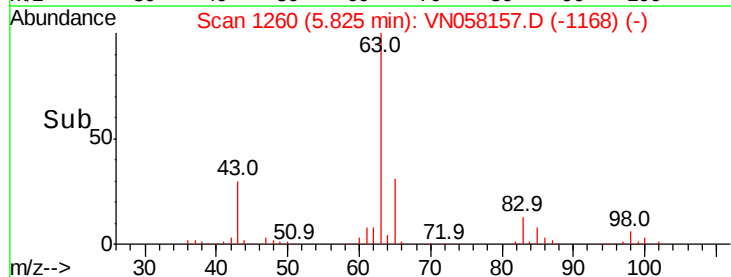
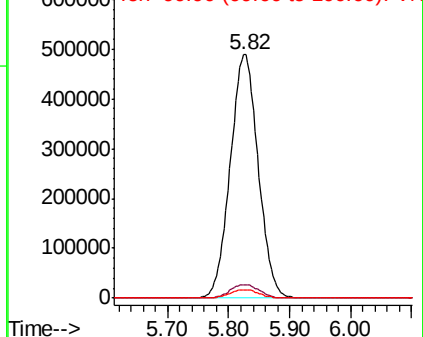
100 3.4 1.8 5.3

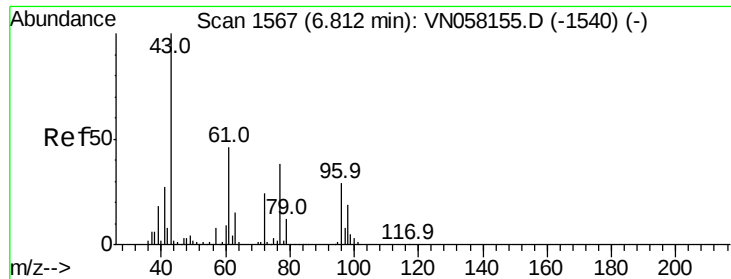


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 548.505 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

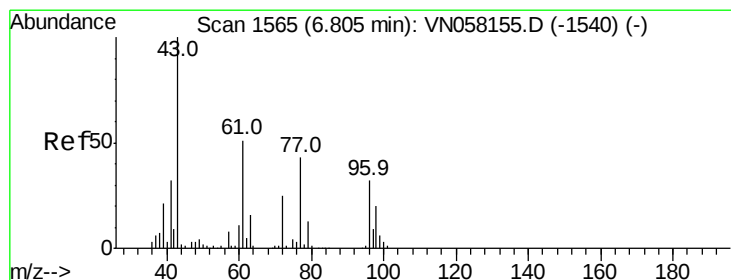
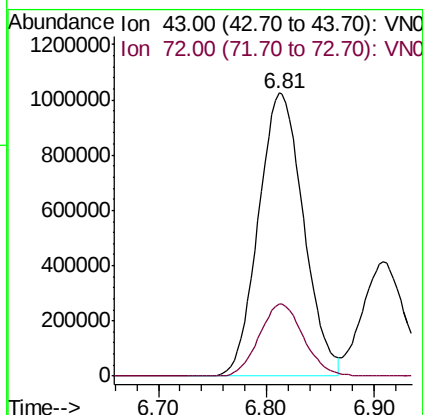
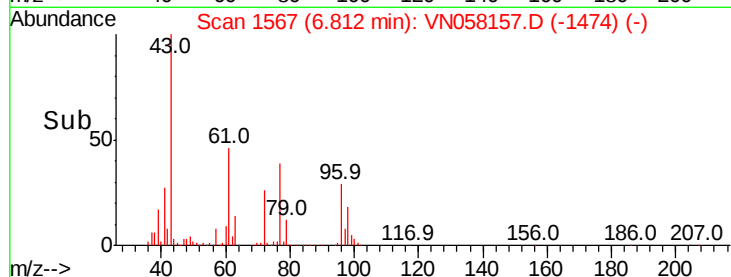
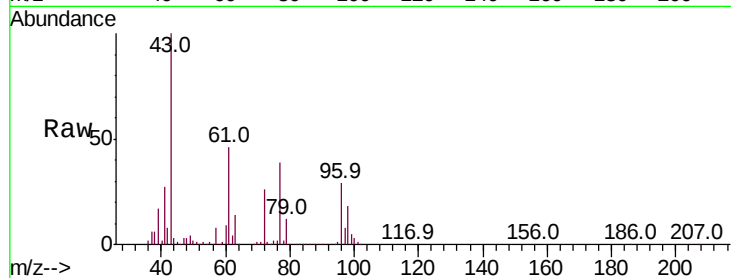
VSTDIC150

Tot Ion: 43 Resp: 2957214

Ion Ratio Lower Upper

43 100

72 25.5 19.5 29.3



#26

2,2-Dichloropropane

Concen: 113.028 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058157.D

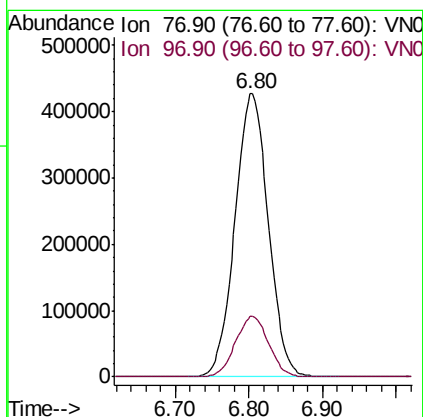
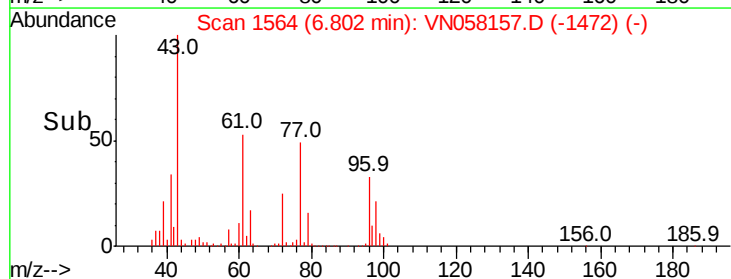
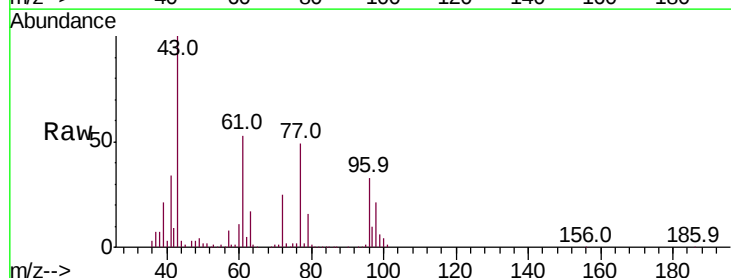
Acq: 18 Sep 2019 11:11

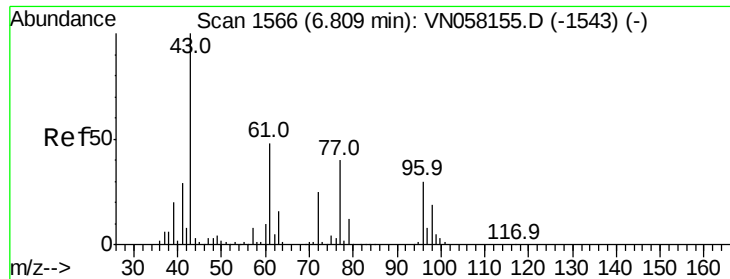
Tgt Ion: 77 Resp: 1345046

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 100.193 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

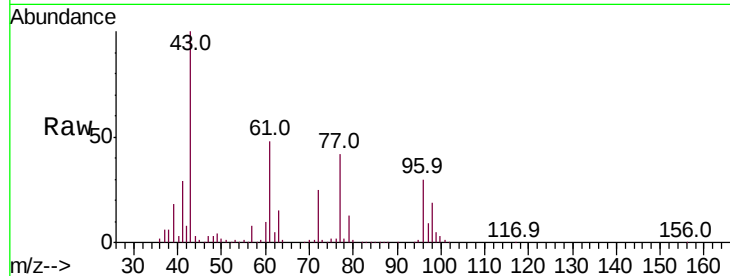
Tot Ion: 96 Resp: 869145

Ion Ratio Lower Upper

96 100

61 162.6 0.0 319.0

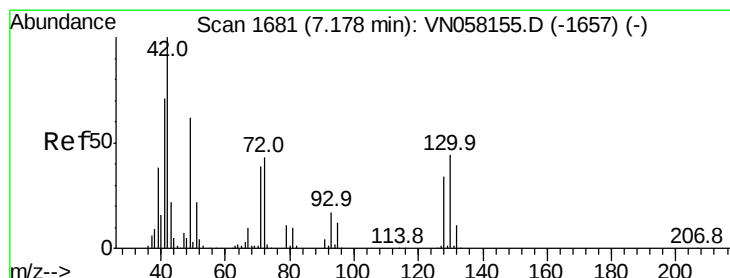
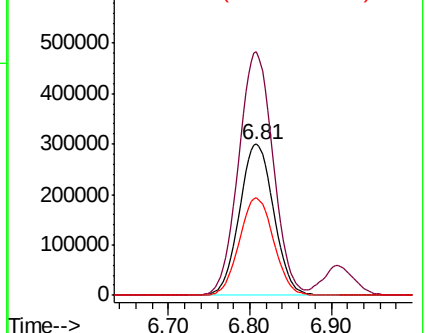
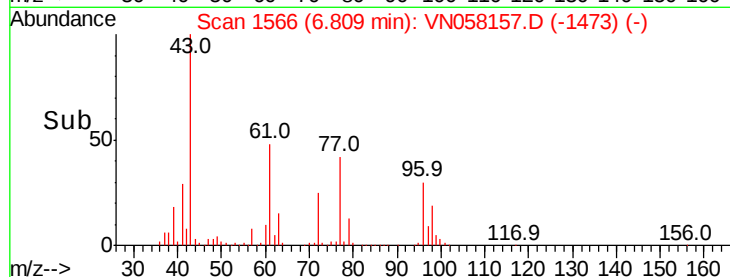
98 64.8 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 101.604 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

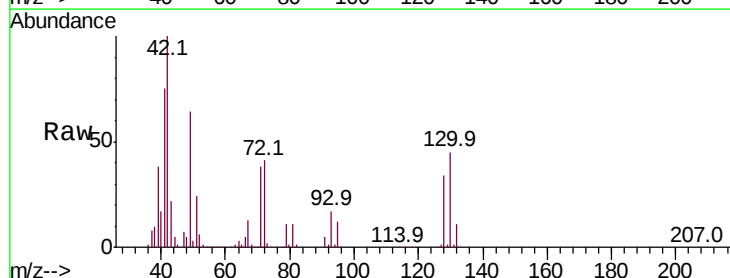
Tgt Ion: 49 Resp: 760891

Ion Ratio Lower Upper

49 100

129 1.7 0.0 1.8

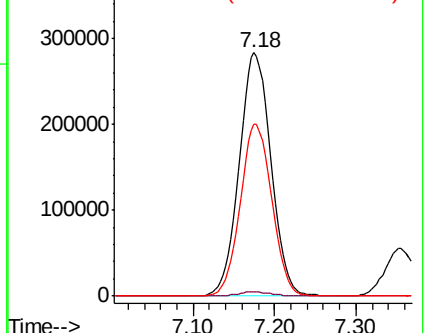
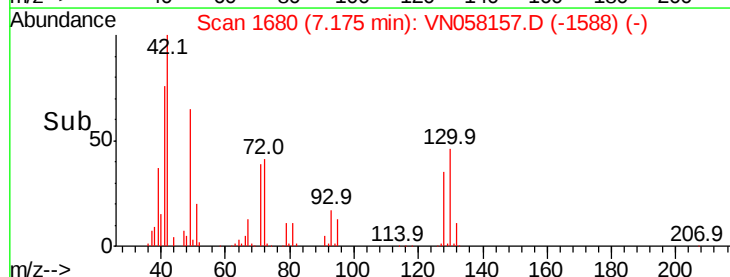
130 70.2 55.4 83.2

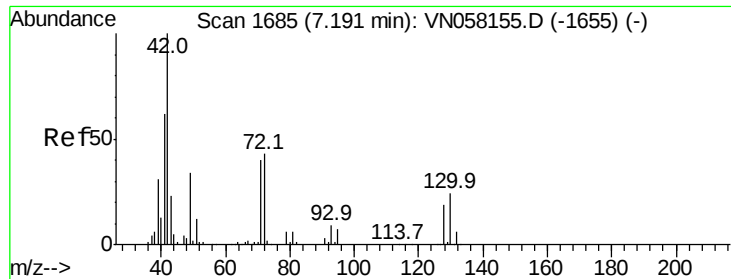


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

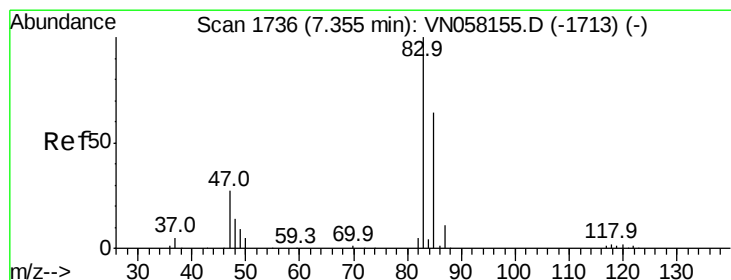
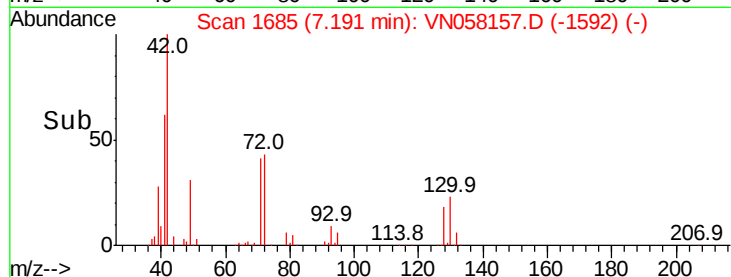
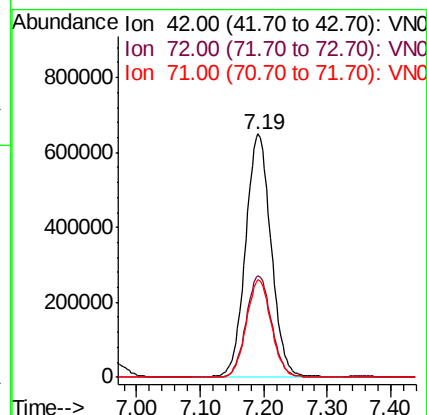
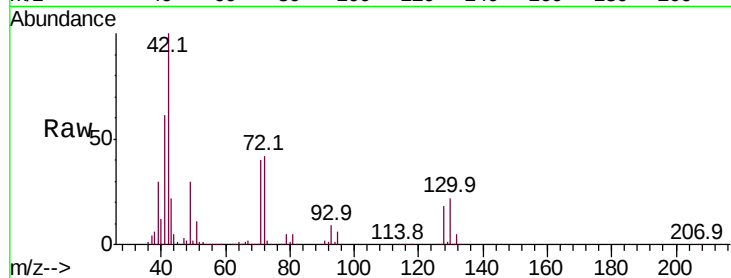




#29
Tetrahydrofuran
Concen: 545.458 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

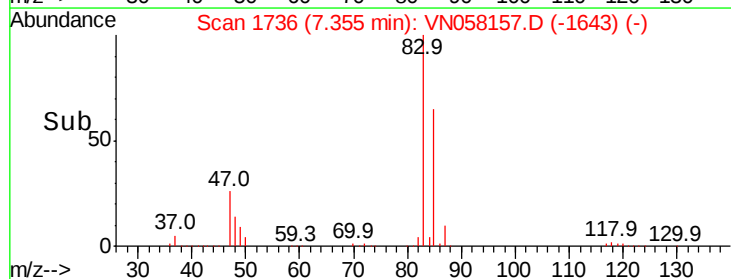
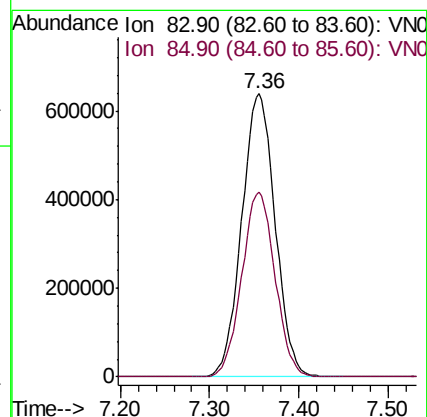
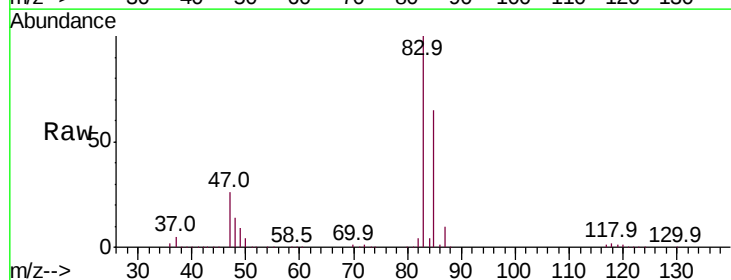
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

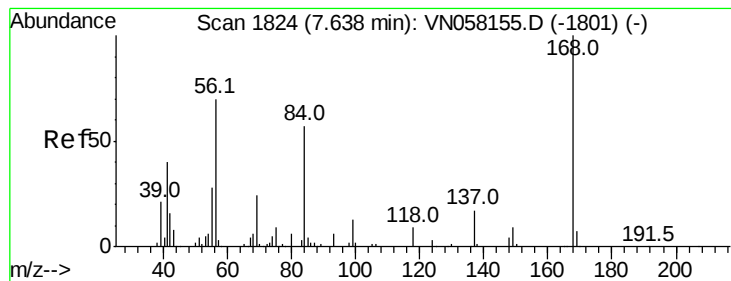
Tot Ion: 42 Resp: 1812312
Ion Ratio Lower Upper
42 100
72 41.5 33.8 50.6
71 39.1 31.4 47.0



#30
Chloroform
Concen: 105.374 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 83 Resp: 1656689
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.2





#31

Cyclohexane

Concen: 91.452 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

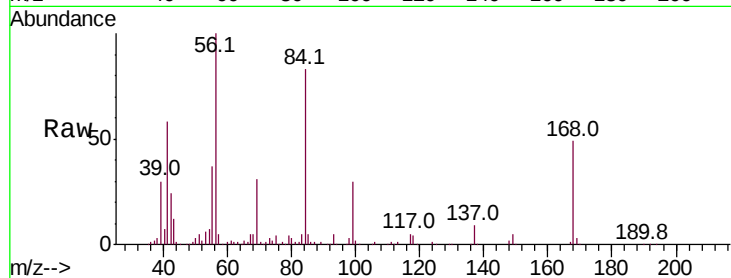
Tot Ion: 56 Resp: 1010196

Ion Ratio Lower Upper

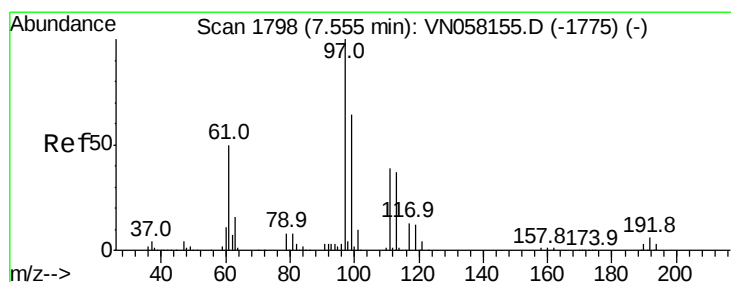
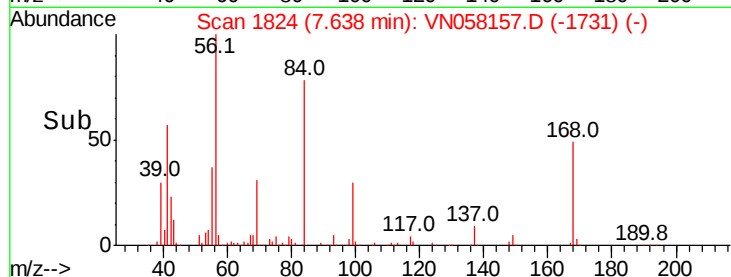
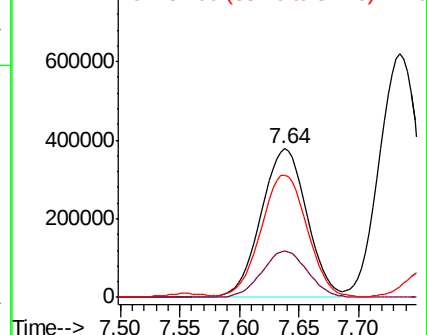
56 100

69 31.3 27.3 40.9

84 80.5 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 107.610 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

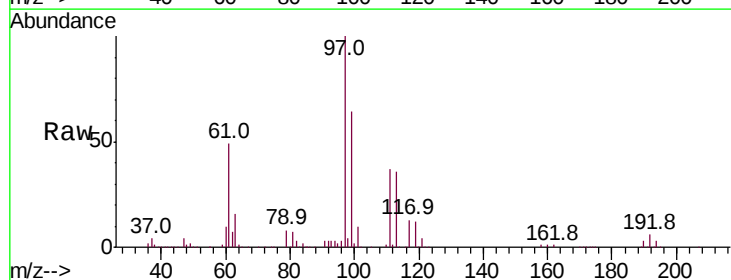
Tgt Ion: 97 Resp: 1340807

Ion Ratio Lower Upper

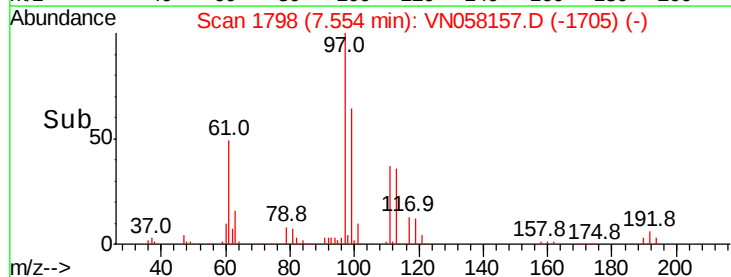
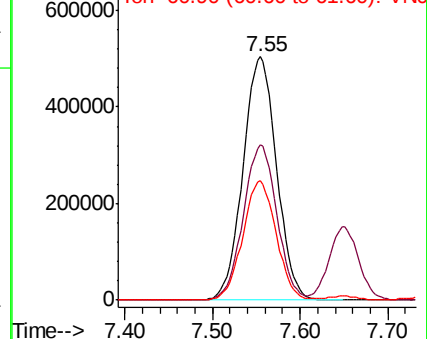
97 100

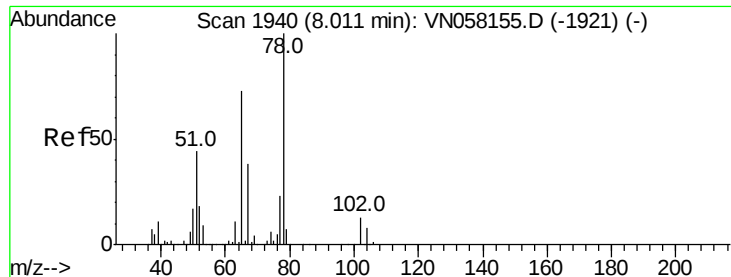
99 63.8 50.9 76.3

61 48.8 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 110.565 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

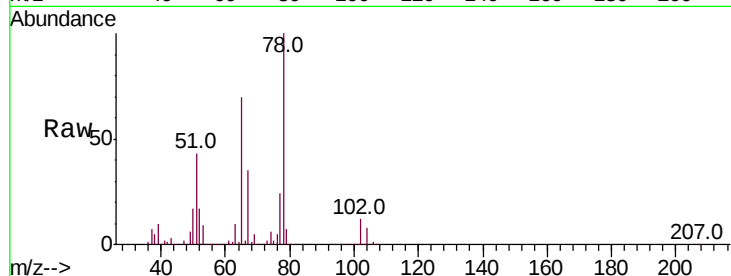
VSTDIC150

Tot Ion: 65 Resp: 1253288

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

600000

500000

400000

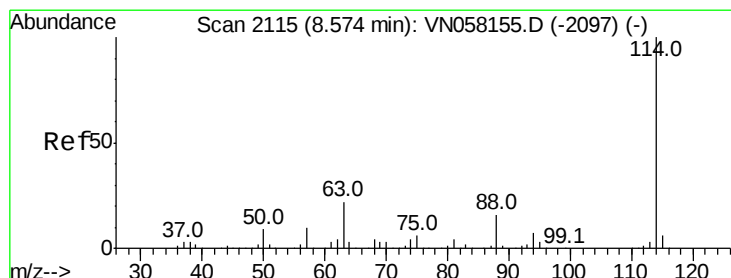
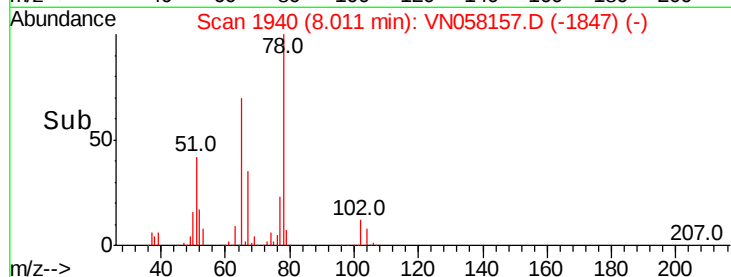
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

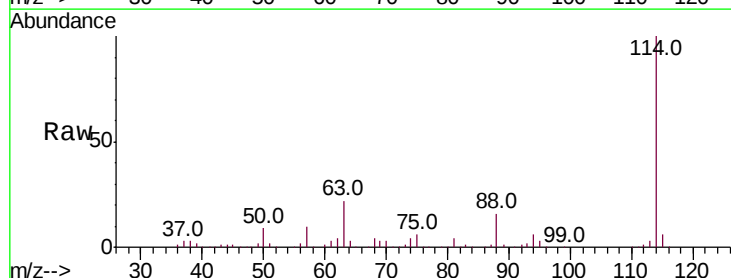
Tgt Ion: 114 Resp: 986222

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

88 15.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

600000

500000

400000

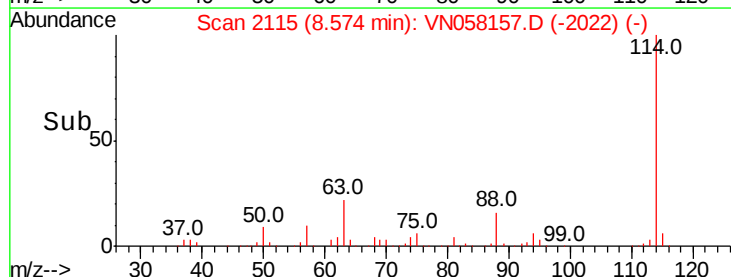
300000

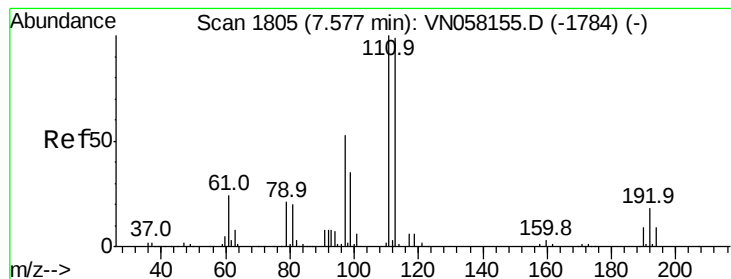
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 108.234 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

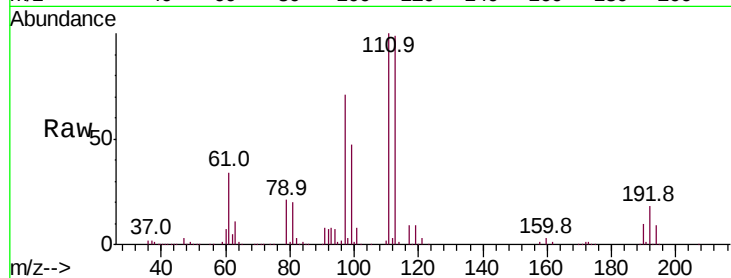
Tot Ion:113 Resp: 921807

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

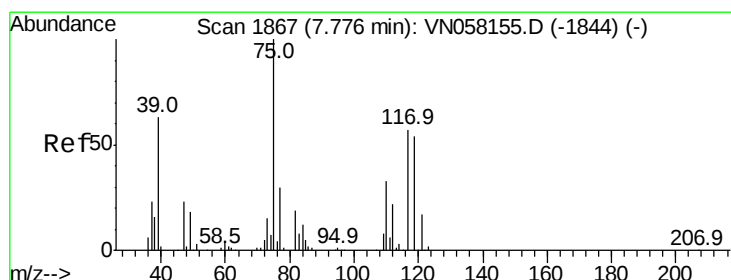
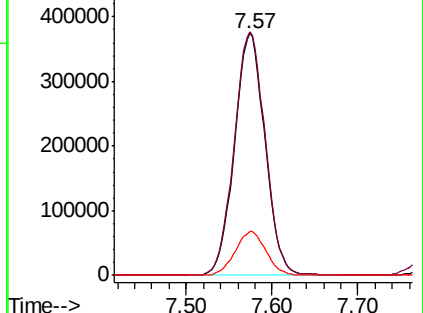
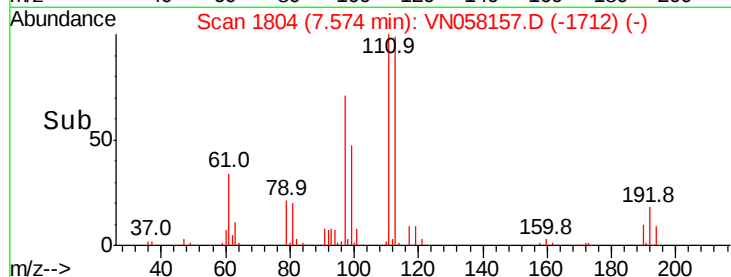
192 18.3 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 93.411 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

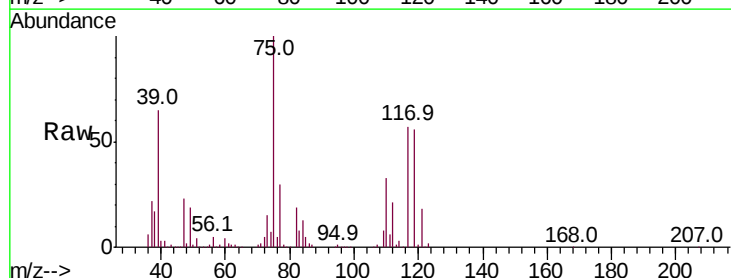
Tgt Ion: 75 Resp: 1001159

Ion Ratio Lower Upper

75 100

110 32.6 16.6 49.7

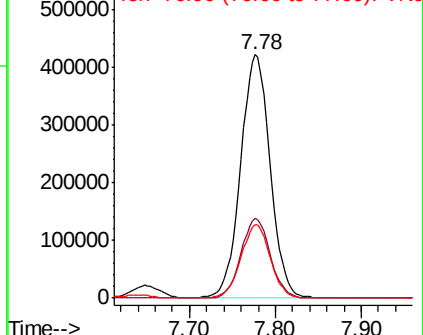
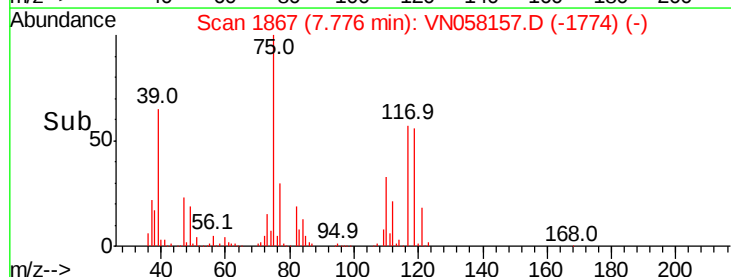
77 30.5 24.3 36.5

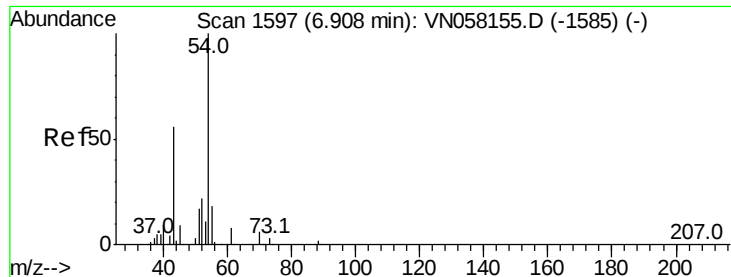


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



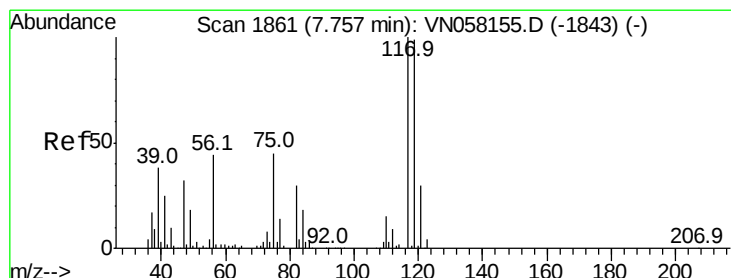
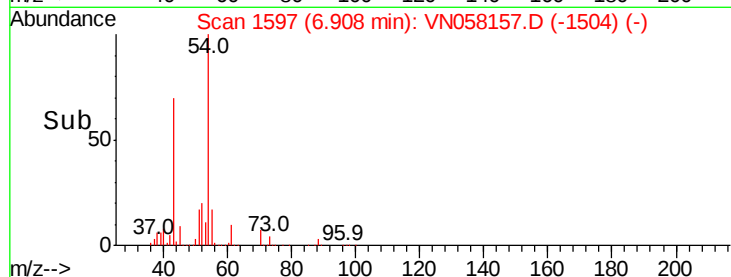
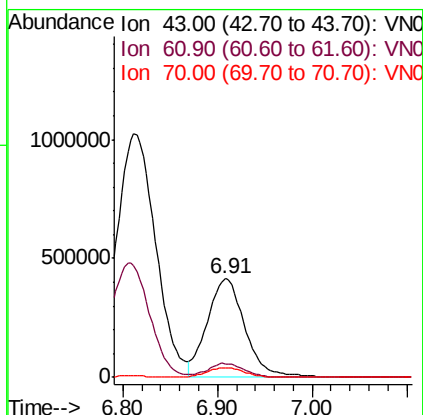
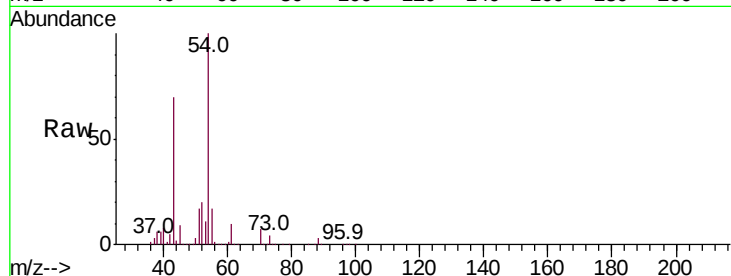


#37
Ethyl Acetate
Concen: 102.373 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1137298

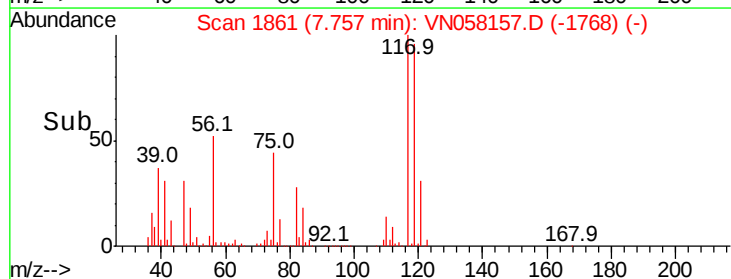
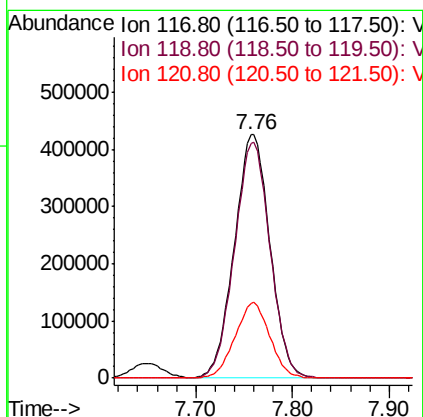
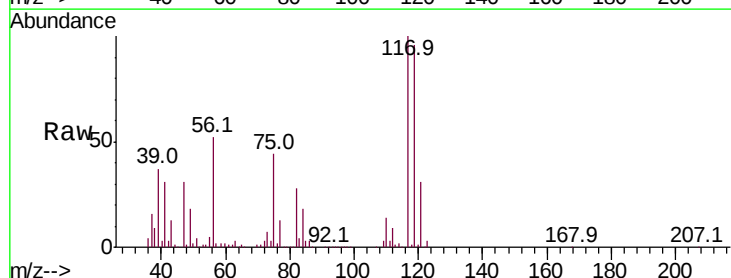
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.9	7.6	11.4

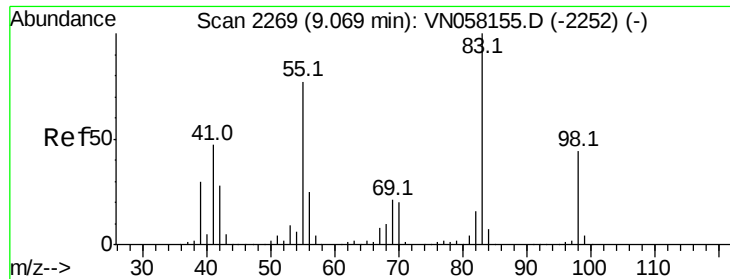


#38
Carbon Tetrachloride
Concen: 110.473 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 117 Resp: 1085561

Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.6	117.8
121	30.8	24.1	36.1

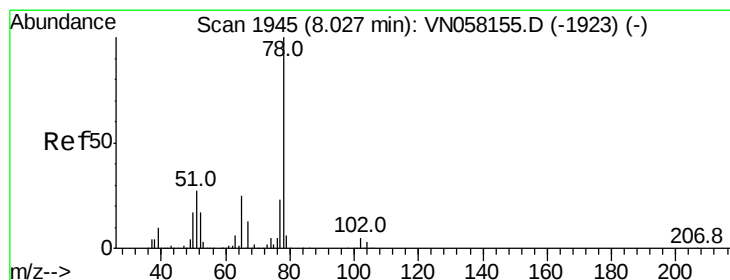
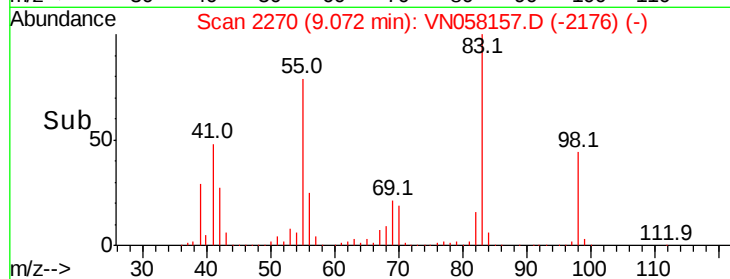
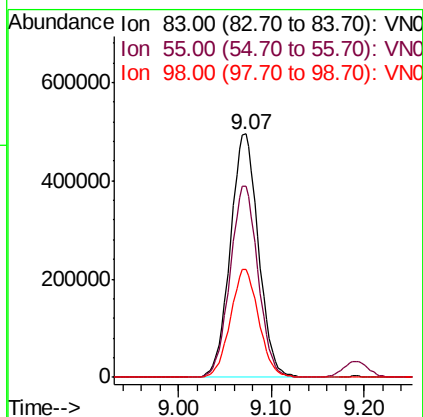
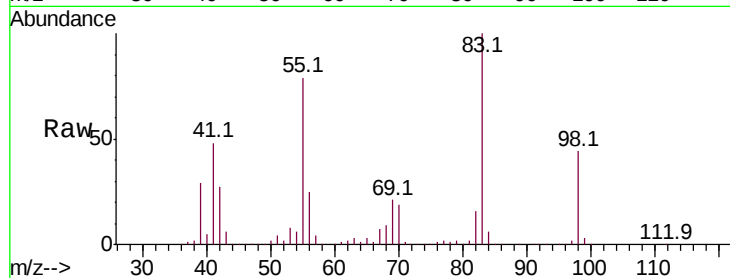




#39
Methvlcvclohexane
Concen: 92.578 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

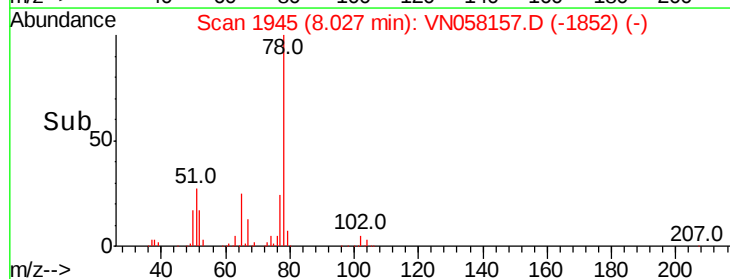
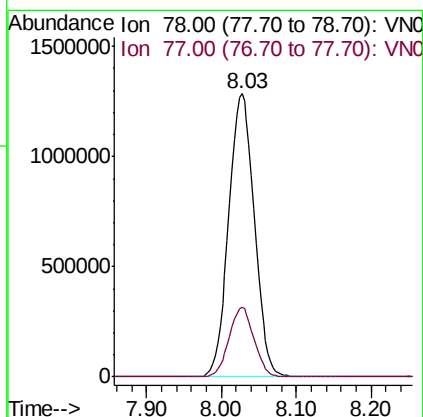
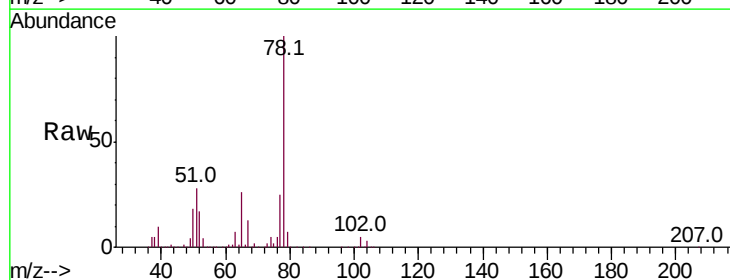
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

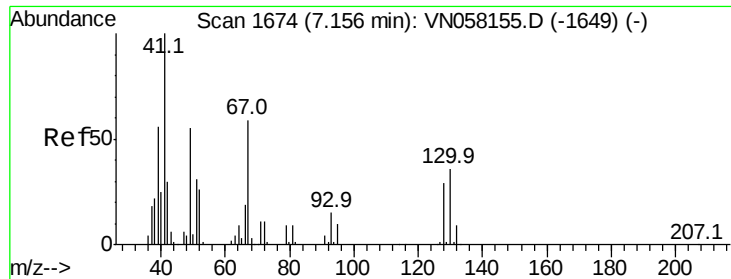
Tot Ion: 83 Resp: 1040458
Ion Ratio Lower Upper
83 100
55 78.7 61.9 92.9
98 44.2 35.4 53.2



#40
Benzene
Concen: 94.990 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 78 Resp: 3065162
Ion Ratio Lower Upper
78 100
77 24.6 18.8 28.2



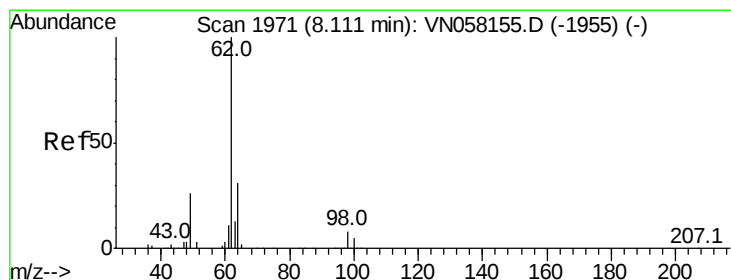
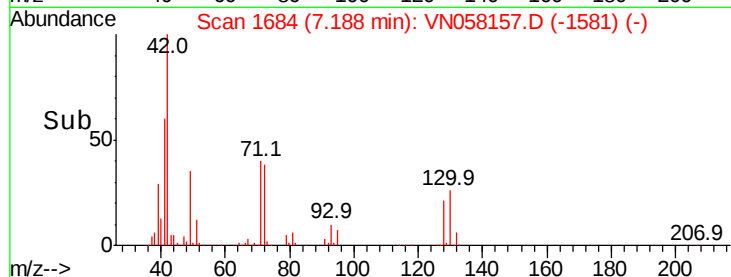
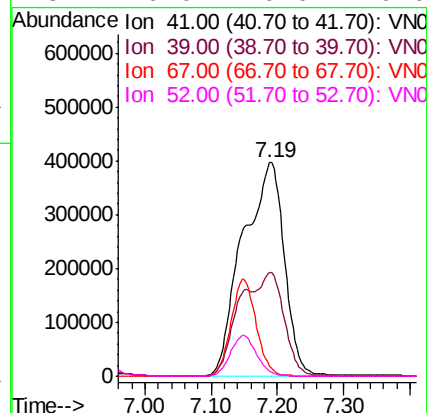
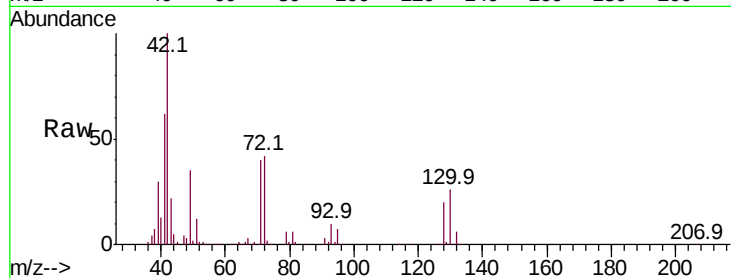


#41
Methacrylonitrile
Concen: 342.603 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 1725836

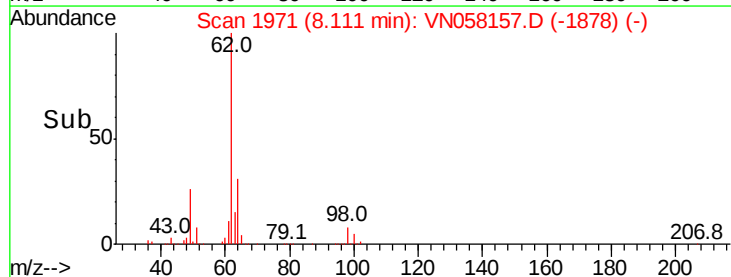
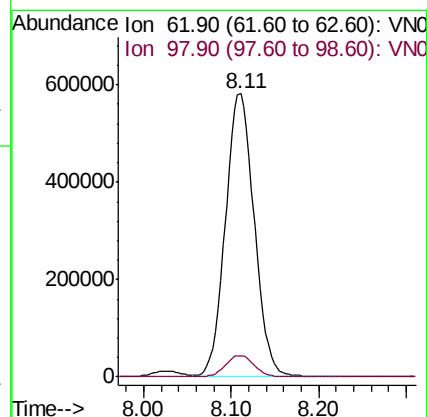
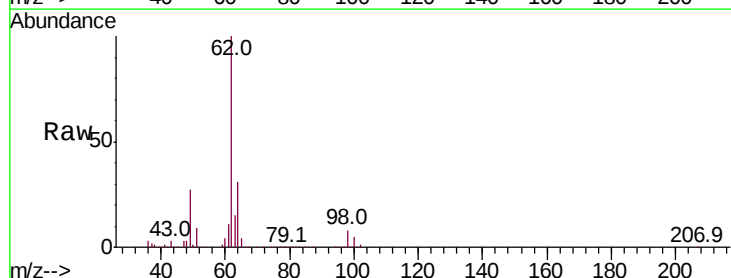
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

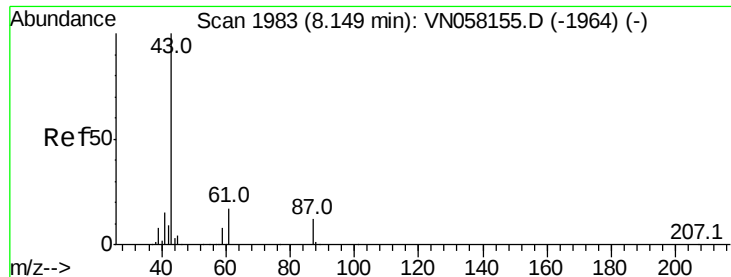


#42
1,2-Dichloroethane
Concen: 102.847 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 62 Resp: 1331662

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 111.801 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

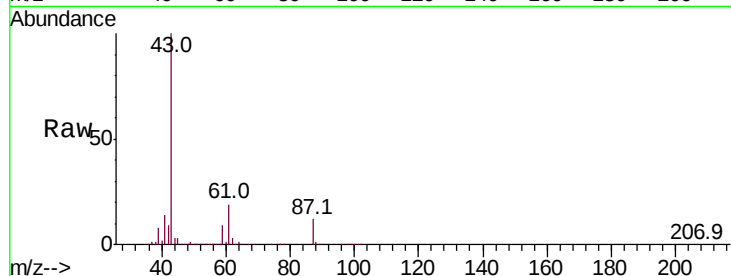
Tot Ion: 43 Resp: 2089514

Ion Ratio Lower Upper

43 100

61 24.6 19.7 29.5

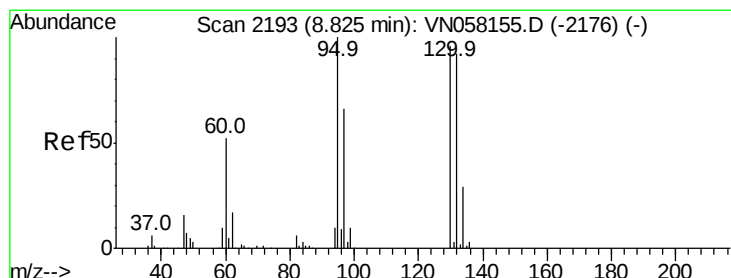
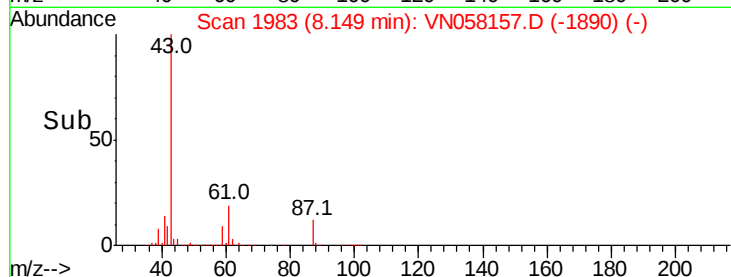
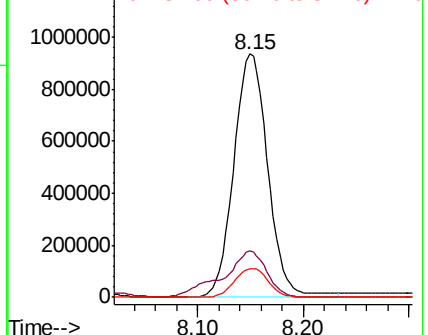
87 12.0 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058157.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058157.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058157.D (-1890) (-)



#44

Trichloroethene

Concen: 98.491 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058157.D

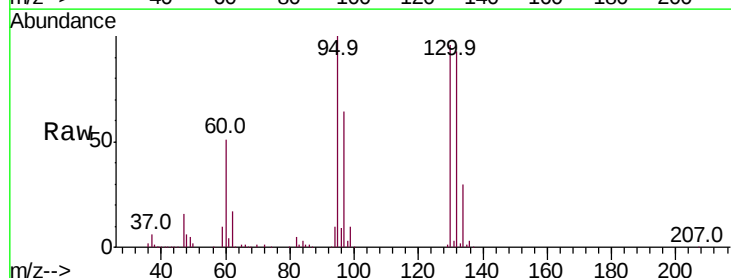
Acq: 18 Sep 2019 11:11

Tgt Ion:130 Resp: 781723

Ion Ratio Lower Upper

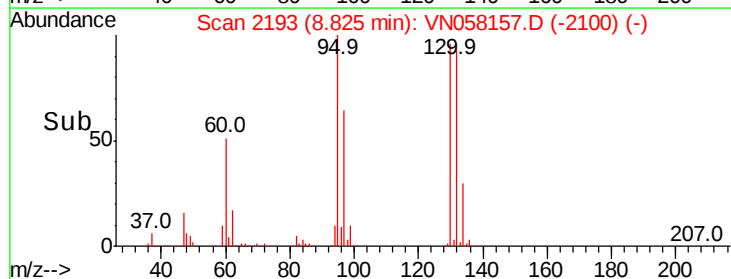
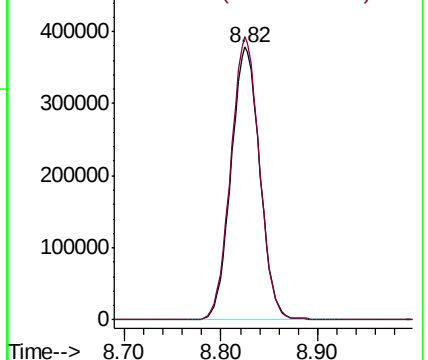
130 100

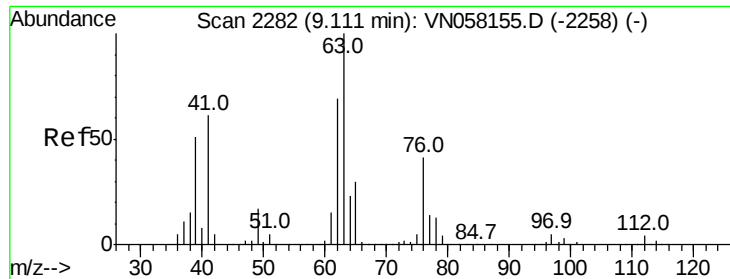
95 103.7 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058157.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058157.D (-2100) (-)

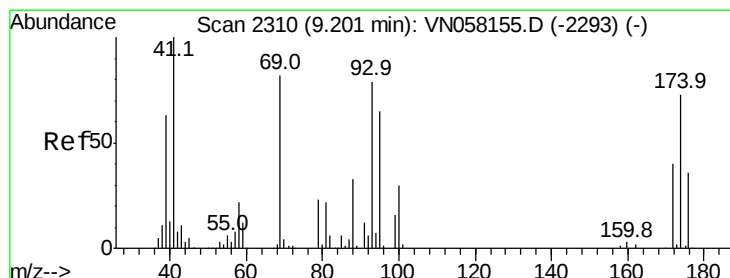
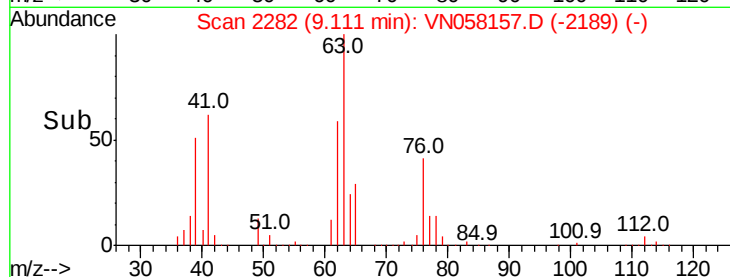
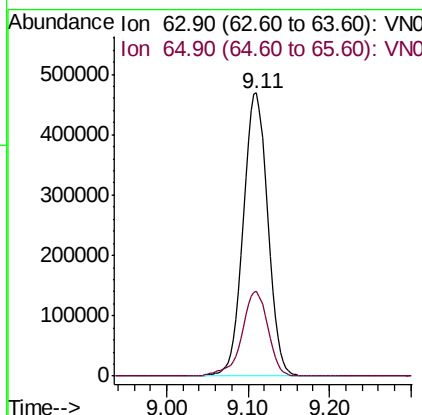
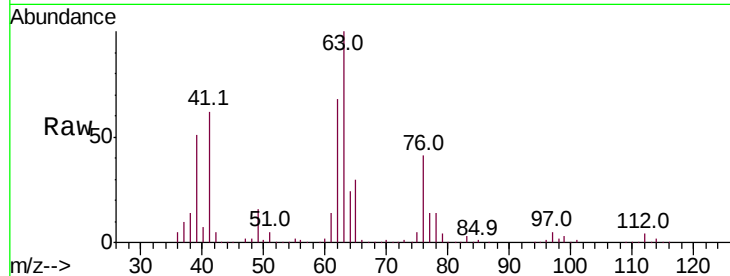




#45
 1,2-Dichloropropane
 Concen: 102.662 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

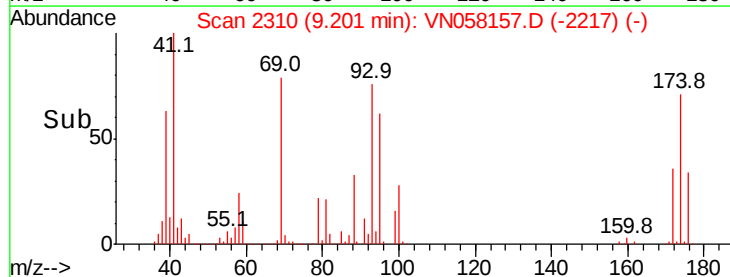
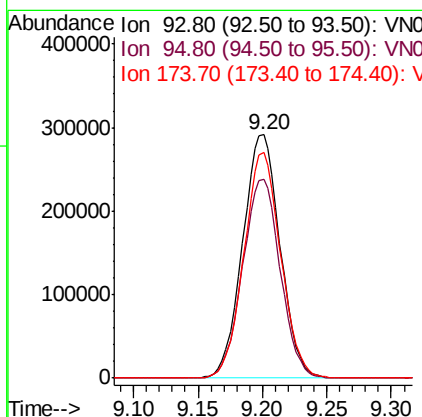
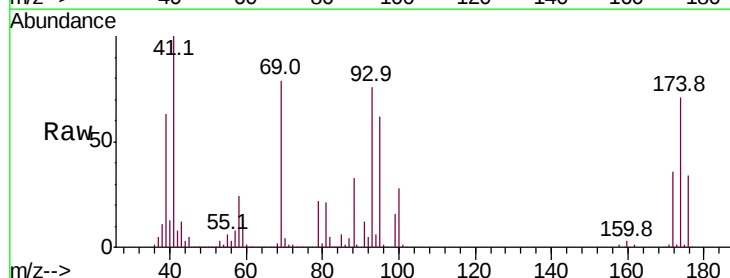
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

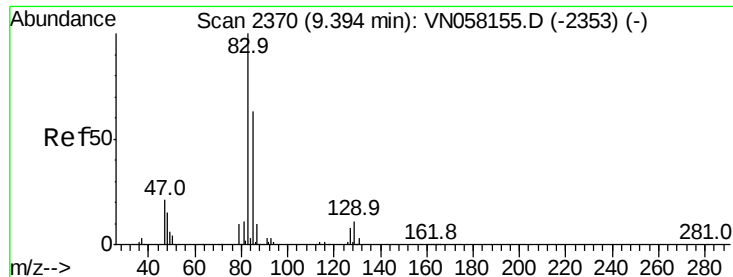
Tot Ion: 63 Resp: 967570
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.8 35.6



#46
 Dibromomethane
 Concen: 103.514 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 93 Resp: 588919
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.8 100.2
 174 91.6 73.8 110.8





#47

Bromodichloromethane

Concen: 118.110 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

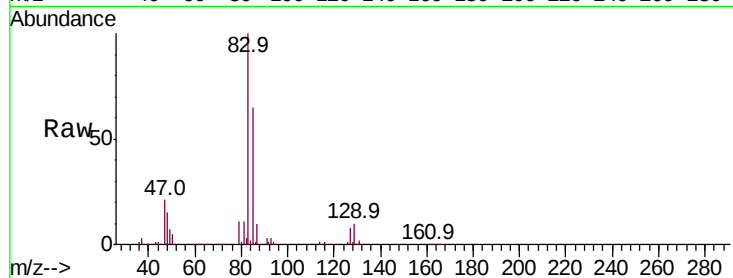
Tot Ion: 83 Resp: 1338064

Ion Ratio Lower Upper

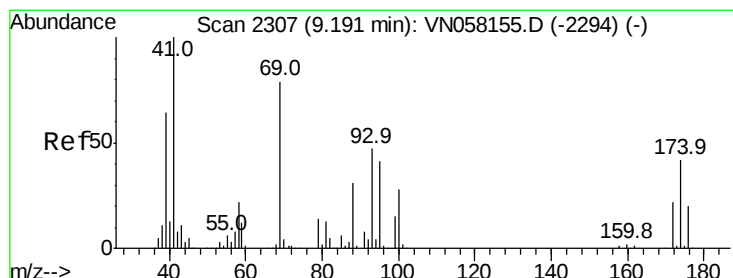
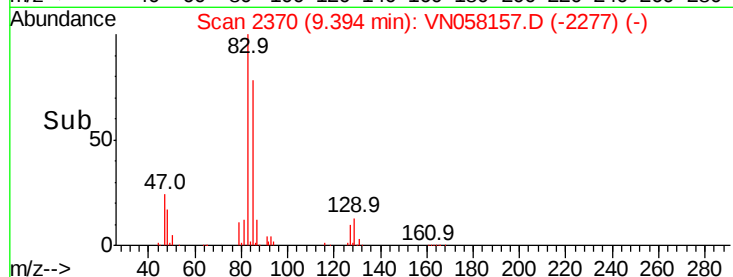
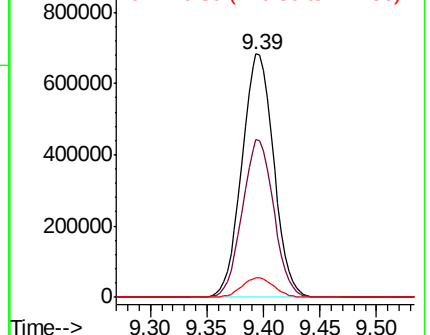
83 100

85 64.7 50.1 75.1

127 8.1 6.4 9.6



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



#48

Methyl methacrylate

Concen: 106.672 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

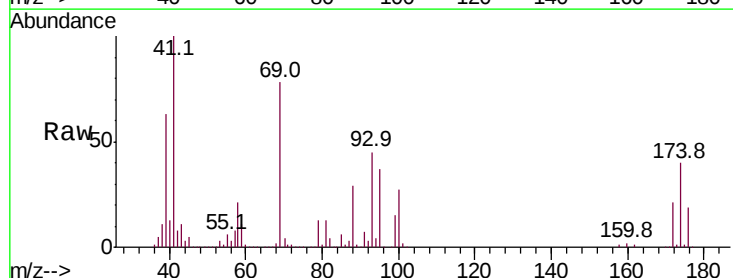
Tgt Ion: 41 Resp: 1005596

Ion Ratio Lower Upper

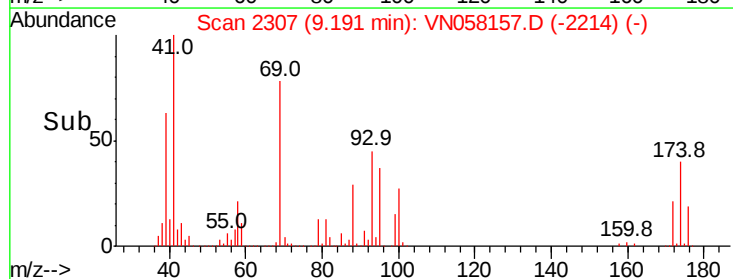
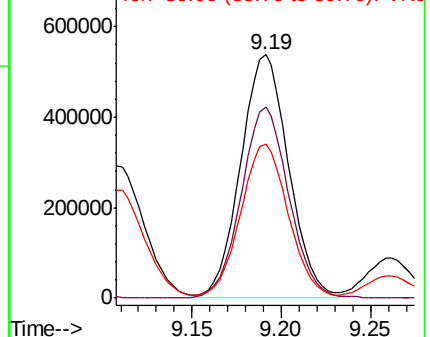
41 100

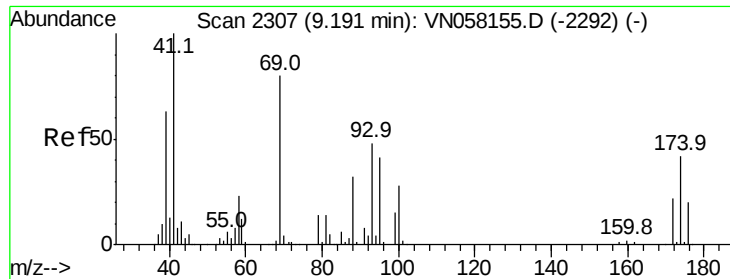
69 78.0 62.5 93.7

39 63.6 52.3 78.5



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

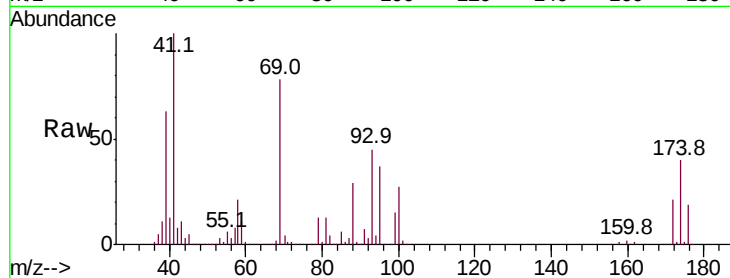




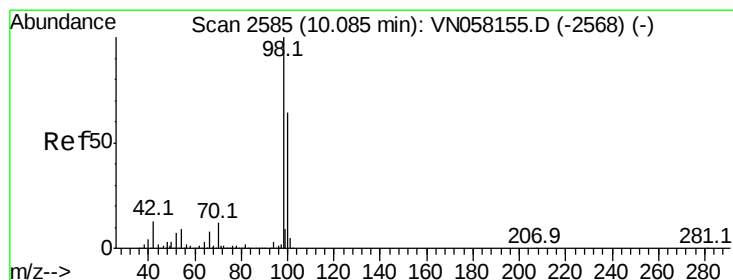
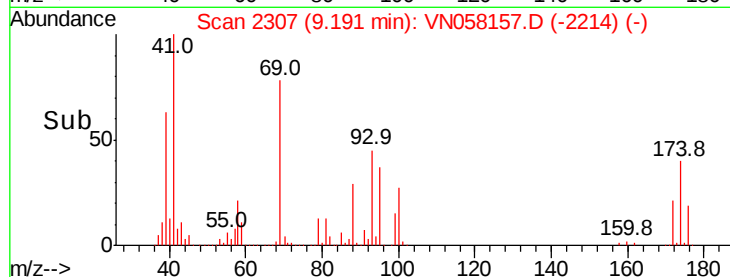
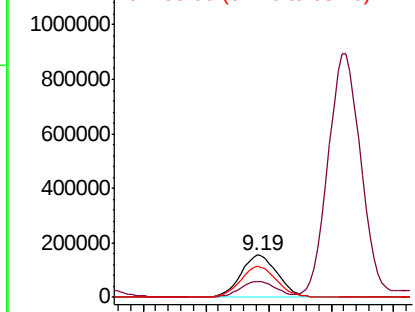
#49
1,4-Dioxane
Concen: 1981.303 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 88 Resp: 317385
Ion Ratio Lower Upper
88 100
43 36.2 27.8 41.8
58 71.6 55.0 82.4

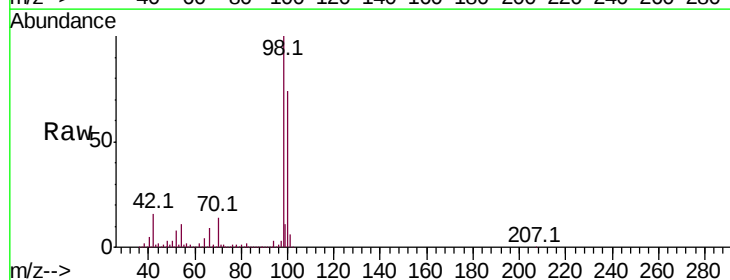


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

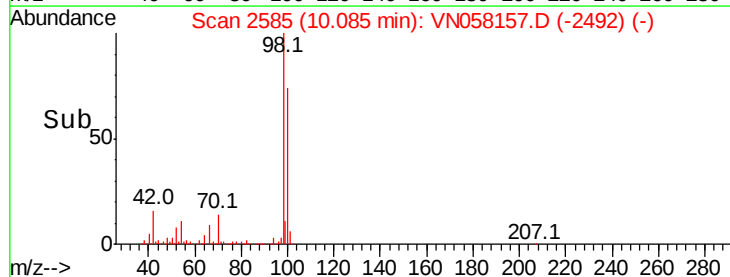
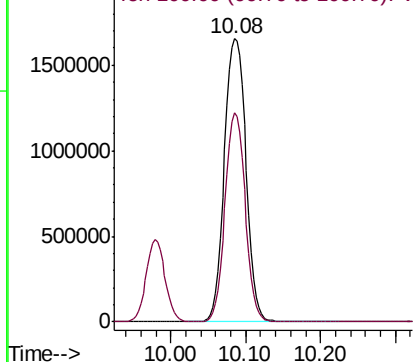


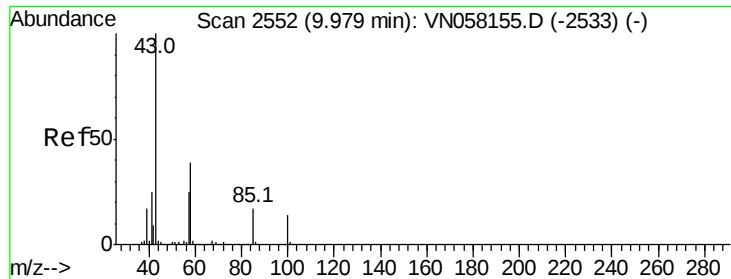
#50
Toluene-d8
Concen: 100.453 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 98 Resp: 3305577
Ion Ratio Lower Upper
98 100
100 68.9 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: 417.812 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

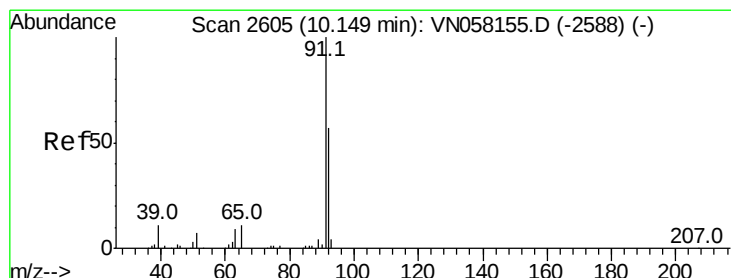
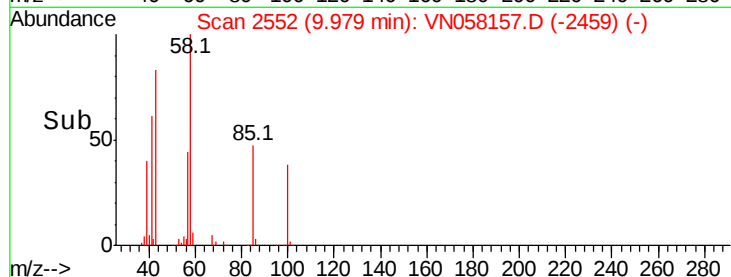
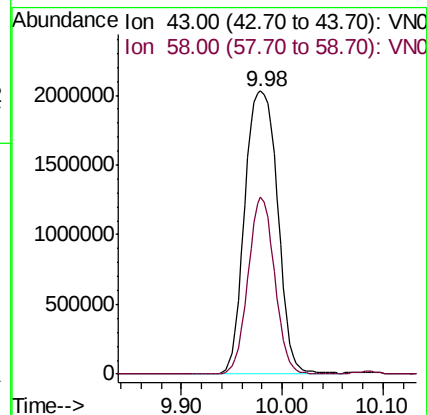
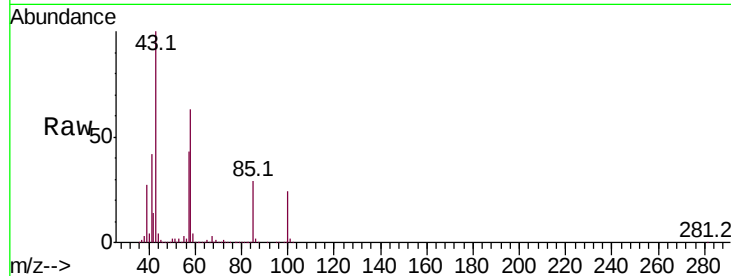
VSTDIC150

Tot Ion: 43 Resp: 4569007

Ion Ratio Lower Upper

43 100

58 50.5 30.2 45.4#



#52

Toluene

Concen: 98.366 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058157.D

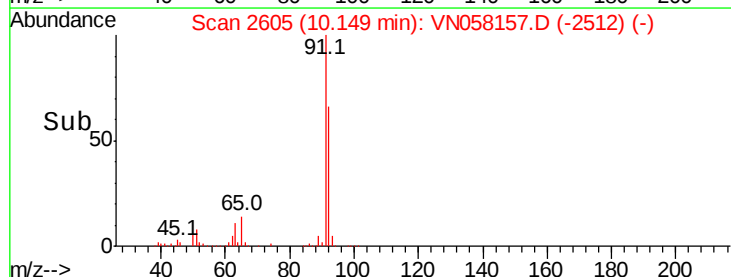
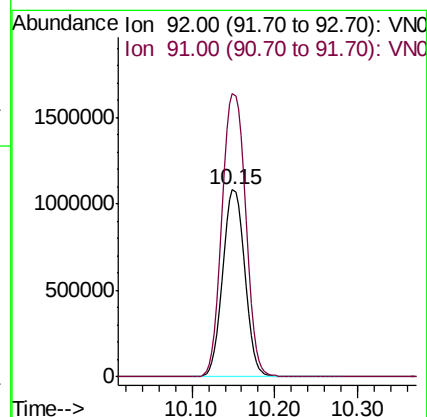
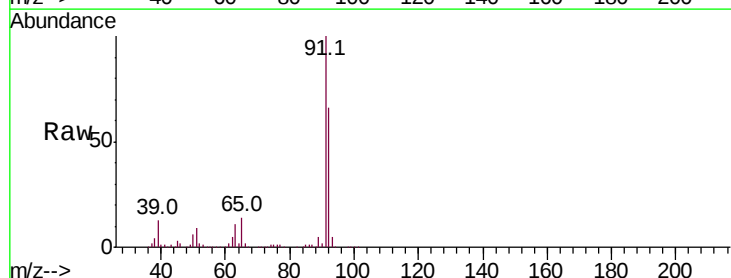
Acq: 18 Sep 2019 11:11

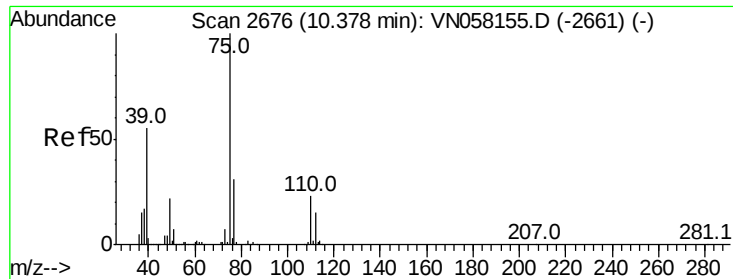
Tgt Ion: 92 Resp: 1996964

Ion Ratio Lower Upper

92 100

91 162.4 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 123.294 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

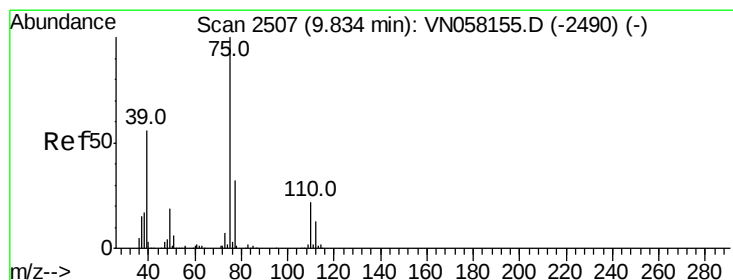
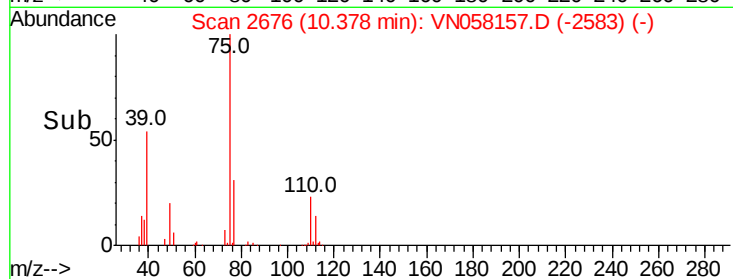
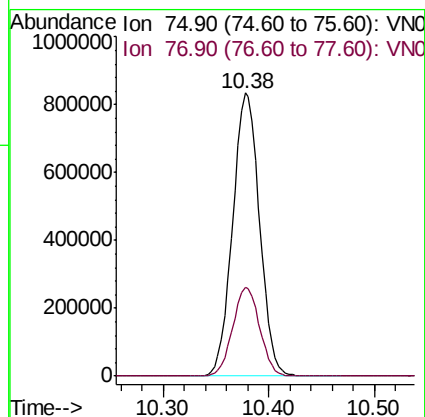
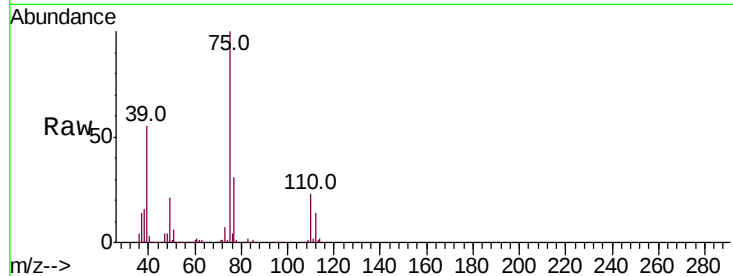
VSTDIC150

Tot Ion: 75 Resp: 1467911

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 116.636 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

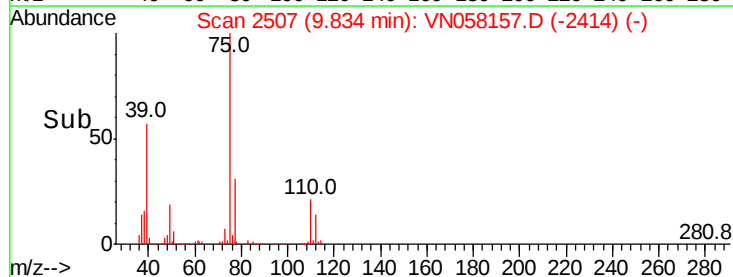
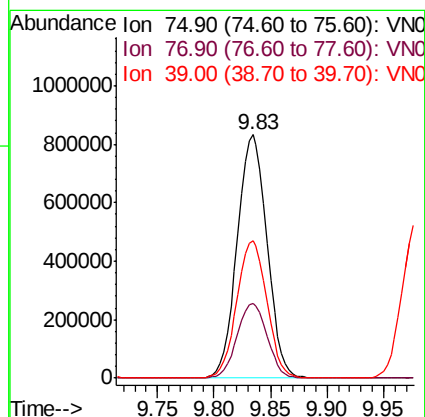
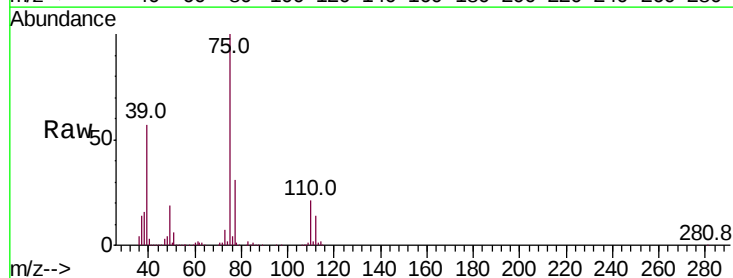
Tgt Ion: 75 Resp: 1534036

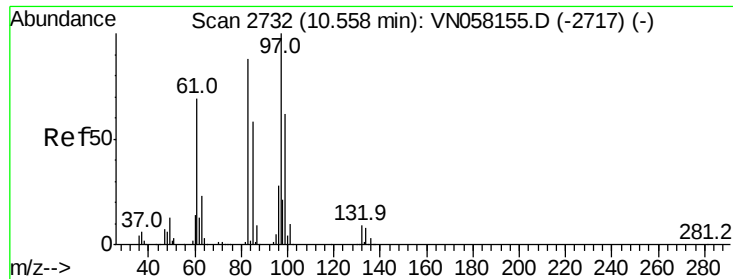
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 56.6 45.0 67.6

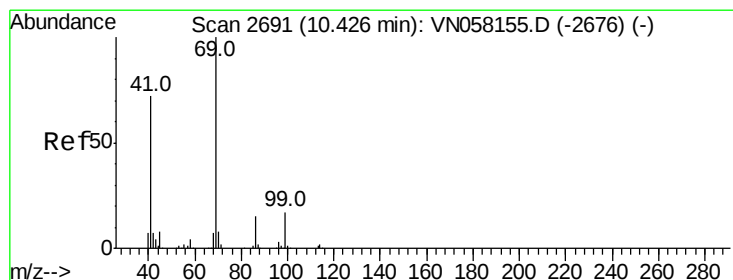
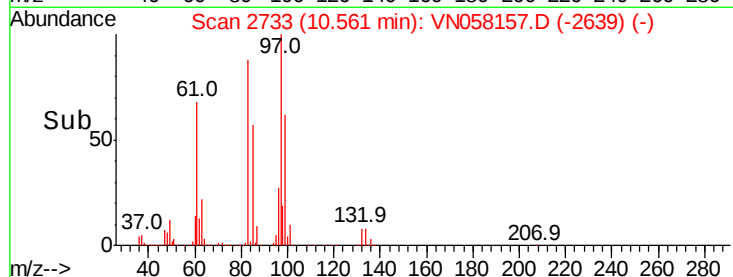
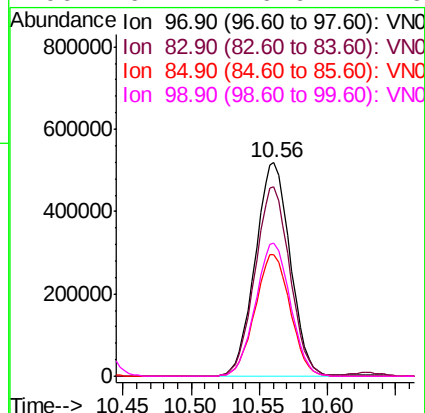
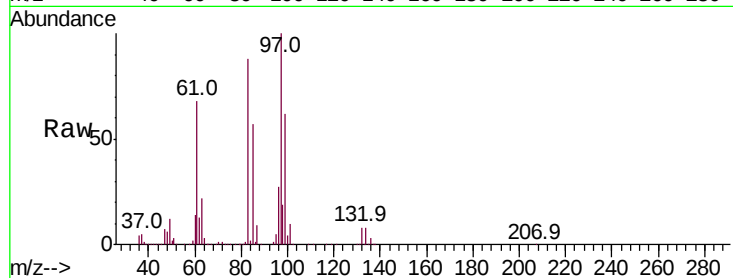




#55
 1,1,2-Trichloroethane
 Concen: 107.528 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

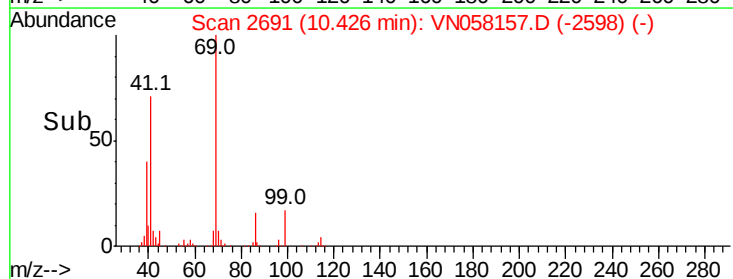
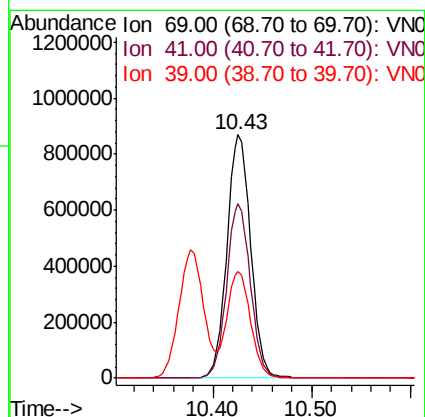
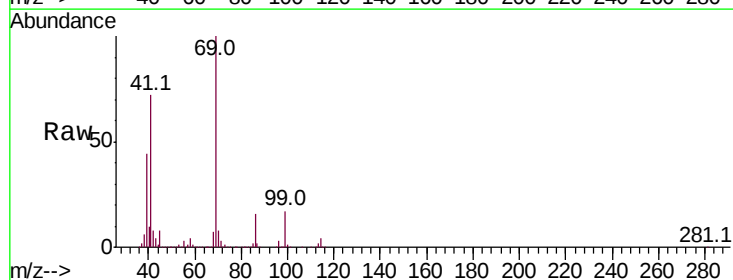
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

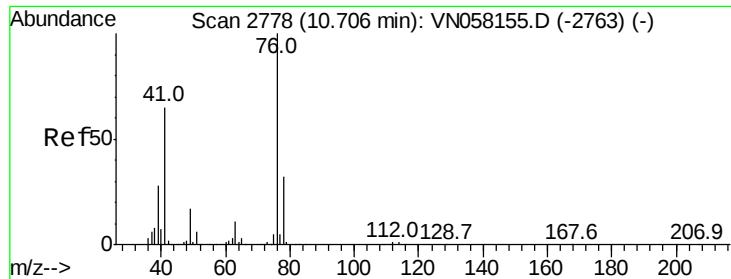
Tot Ion:	97	Resp:	925849
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.4	105.6
85	57.2	46.8	70.2
99	62.4	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 113.093 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:	69	Resp:	1458905
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.5	86.3
39	43.7	36.1	54.1





#57

1,3-Dichloropropane

Concen: 105.080 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

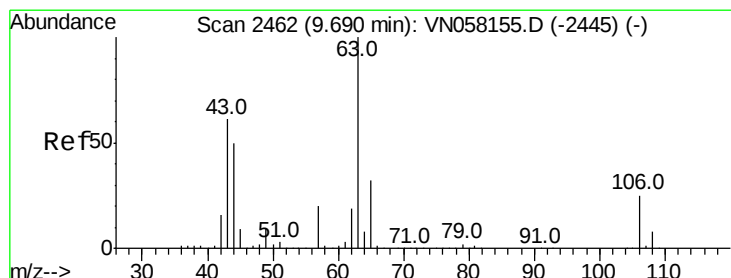
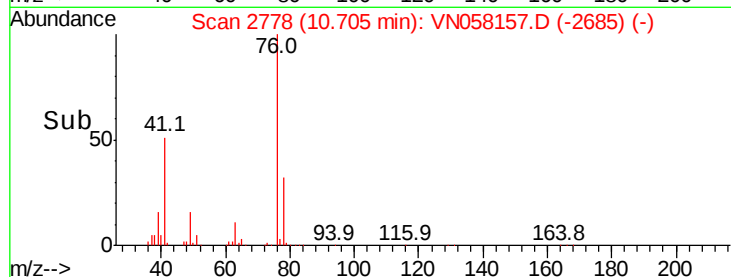
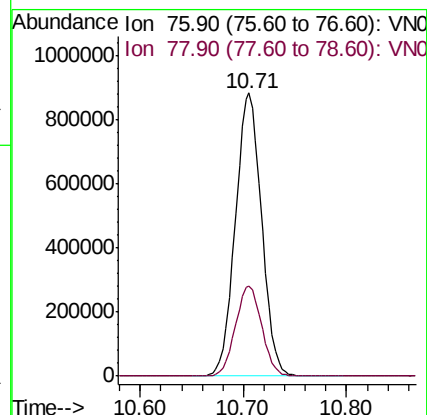
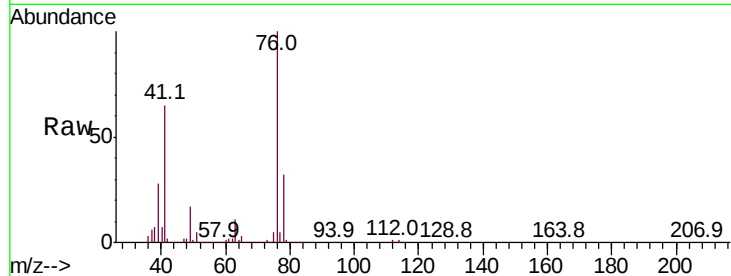
VSTDIC150

Tot Ion: 76 Resp: 1559725

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 542.039 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058157.D

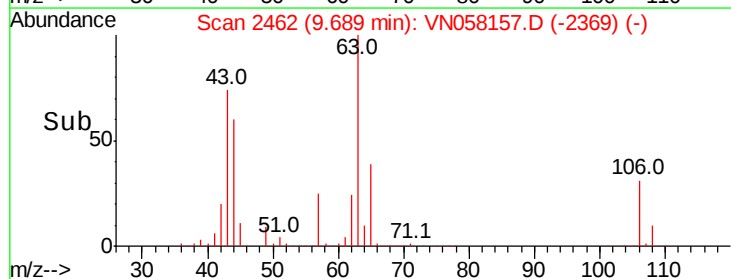
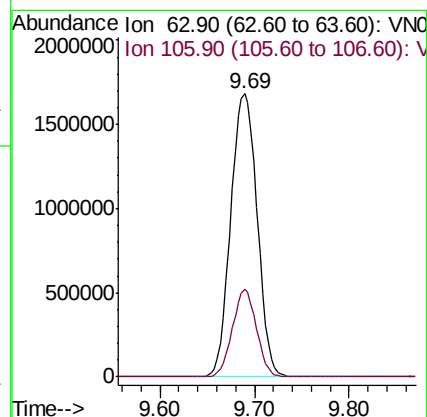
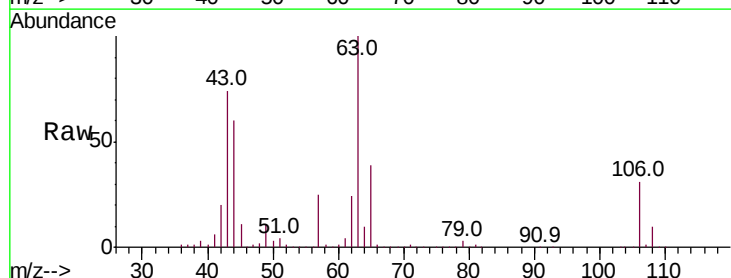
Acq: 18 Sep 2019 11:11

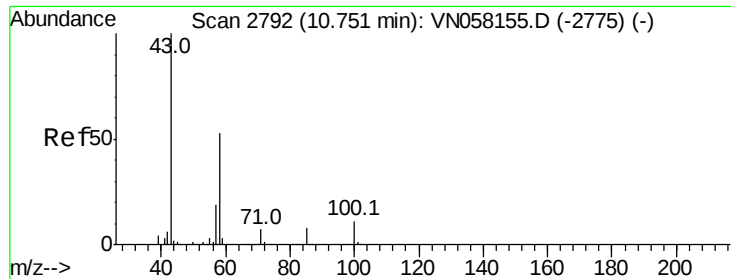
Tgt Ion: 63 Resp: 3262090

Ion Ratio Lower Upper

63 100

106 28.2 19.9 29.9

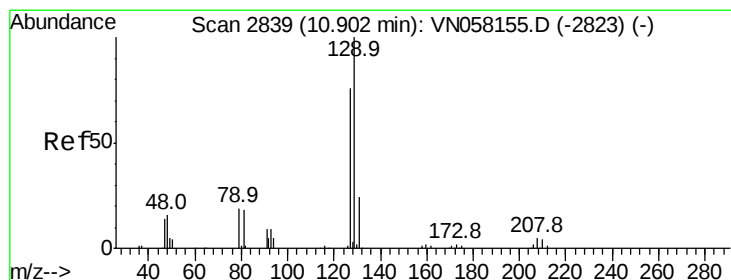
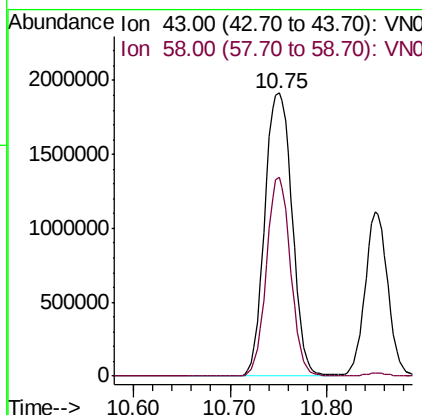
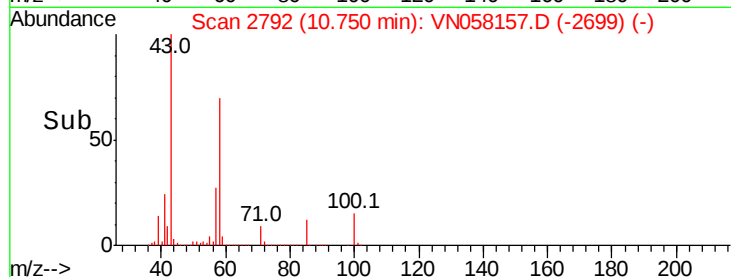
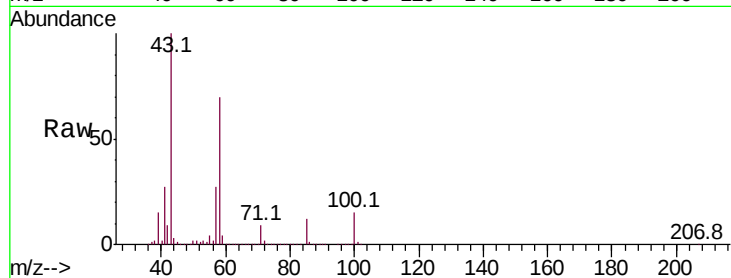




#59
2-Hexanone
Concen: 459.668 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

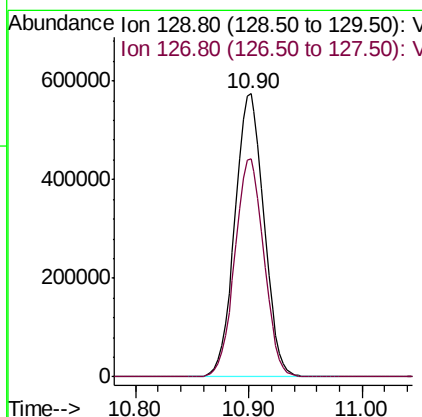
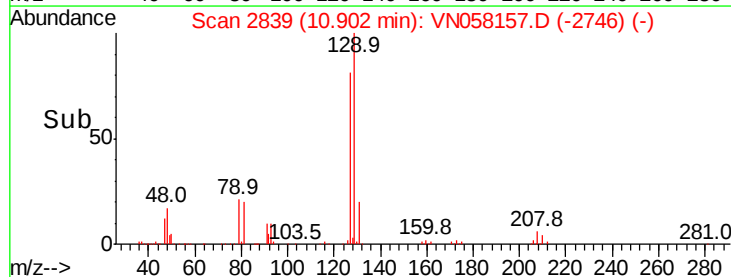
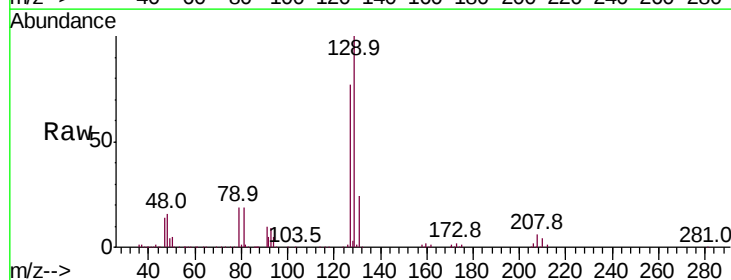
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

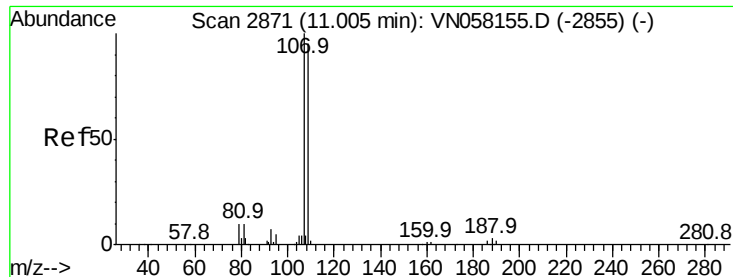
Tot Ion: 43 Resp: 3758242
Ion Ratio Lower Upper
43 100
58 62.0 26.0 78.0



#60
Dibromochloromethane
Concen: 128.973 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 129 Resp: 1029689
Ion Ratio Lower Upper
129 100
127 76.9 38.7 116.1

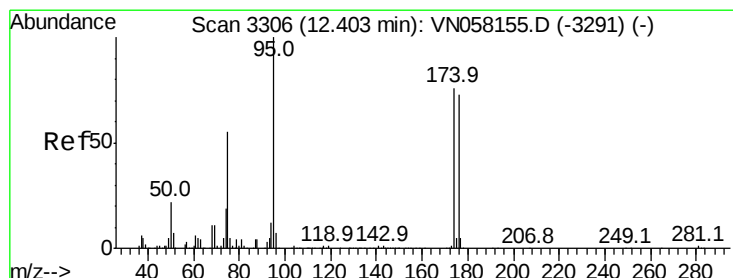
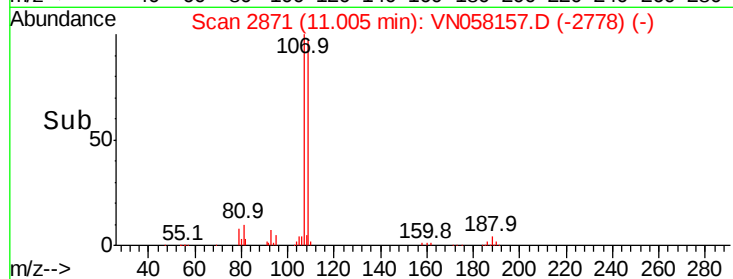
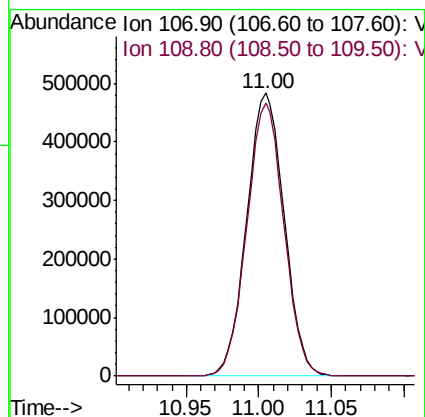
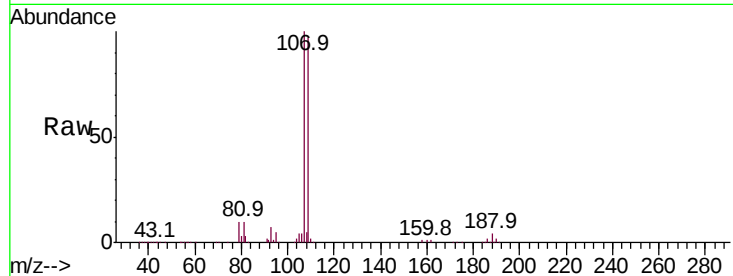




#61
 1,2-Dibromoethane
 Concen: 107.075 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

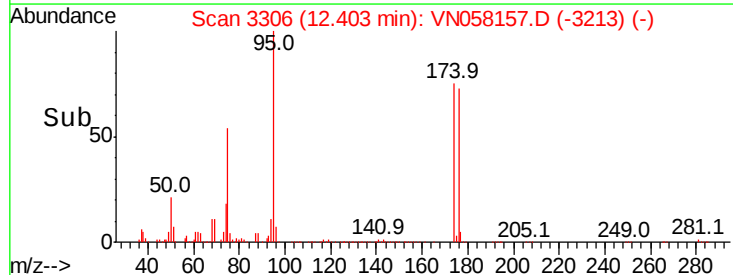
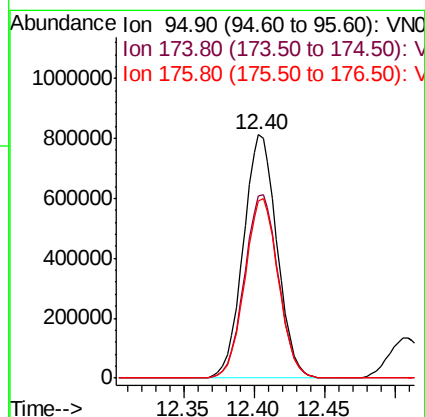
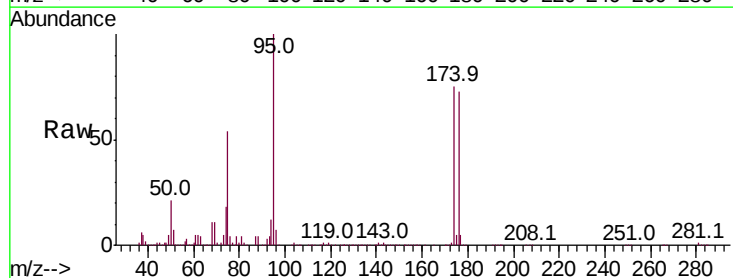
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

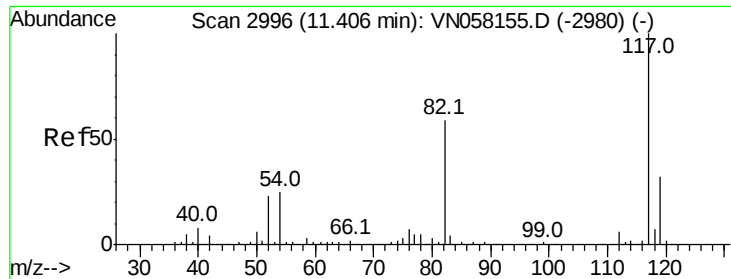
Tot Ion:107 Resp: 869279
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 107.212 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion: 95 Resp: 1356473
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 152.2
 176 73.7 0.0 148.0

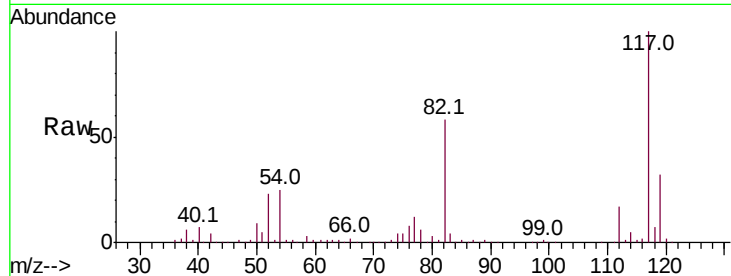




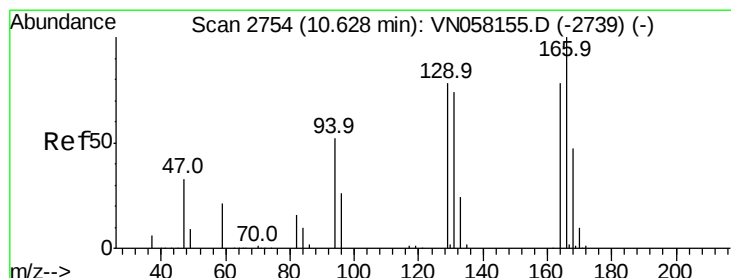
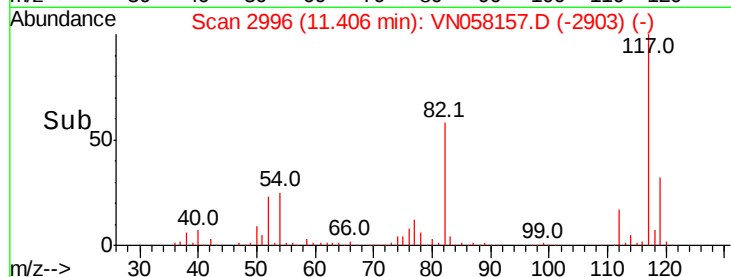
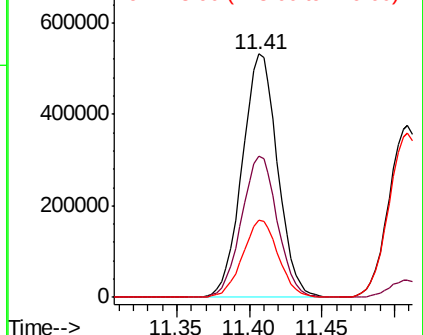
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 904057
Ion Ratio Lower Upper
117 100
82 58.1 46.9 70.3
119 31.6 25.3 37.9

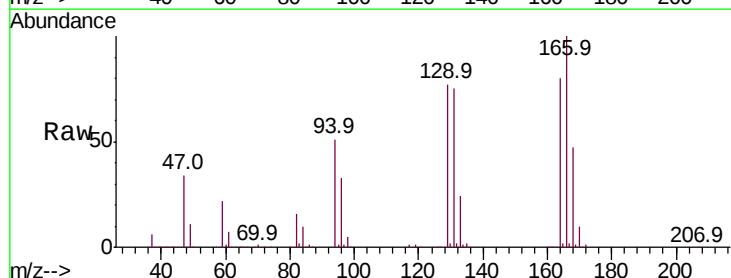


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

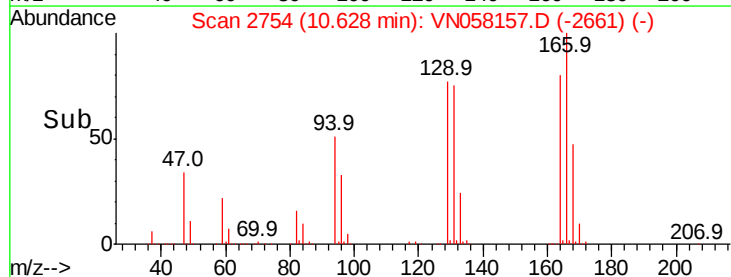
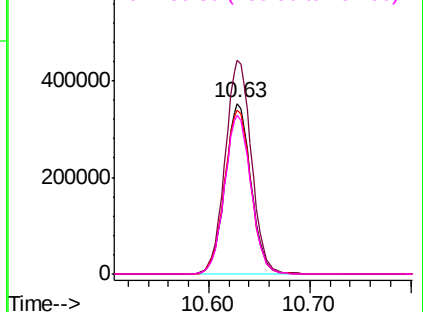


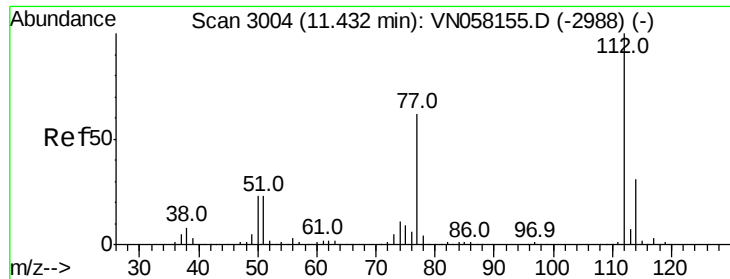
#64
Tetrachloroethene
Concen: 100.139 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion:164 Resp: 631334
Ion Ratio Lower Upper
164 100
166 125.4 102.2 153.4
129 96.5 79.6 119.4
131 93.5 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

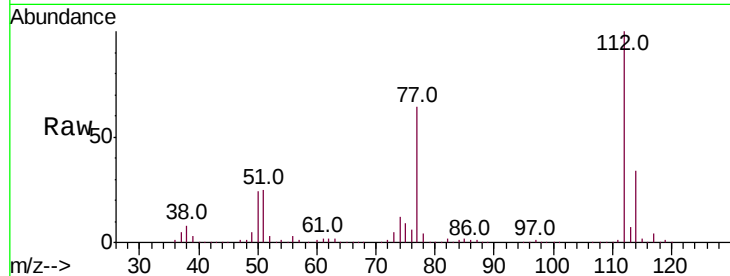




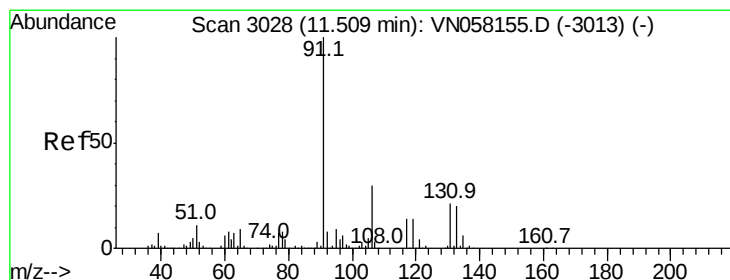
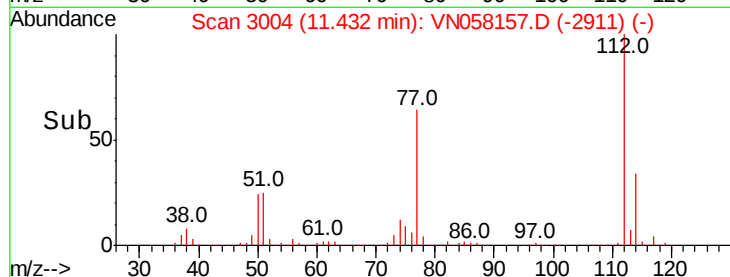
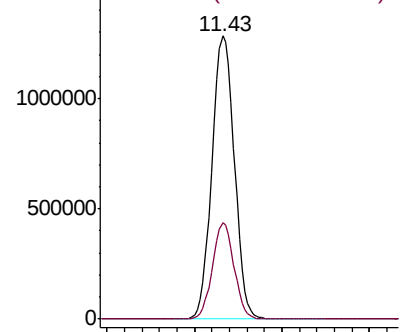
#65
Chlorobenzene
Concen: 102.763 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:112 Resp: 2287304
Ion Ratio Lower Upper
112 100
114 33.9 25.1 37.7

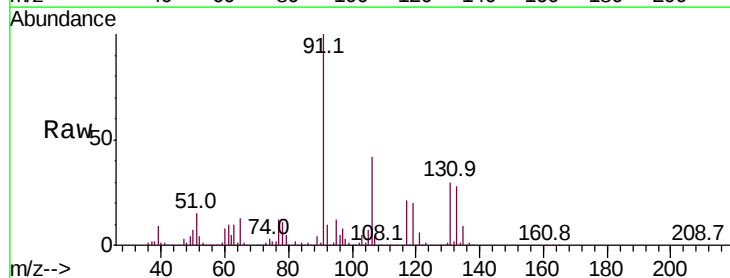


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

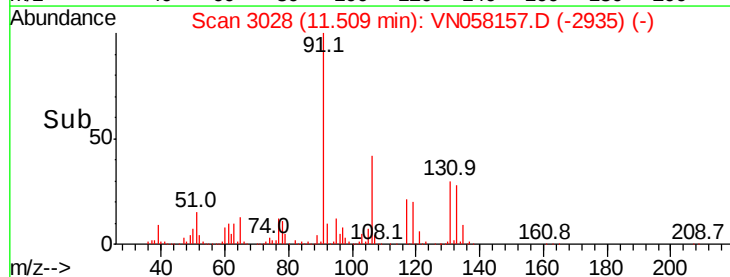
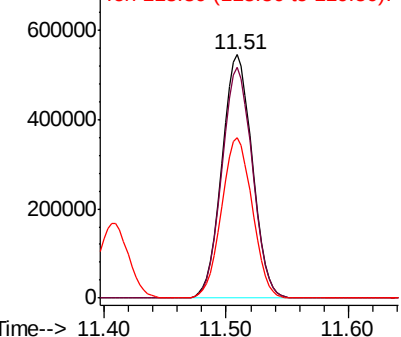


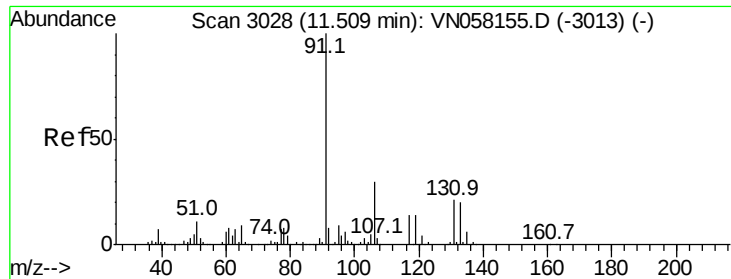
#66
1,1,1,2-Tetrachloroethane
Concen: 120.987 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion:131 Resp: 936787
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.7 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

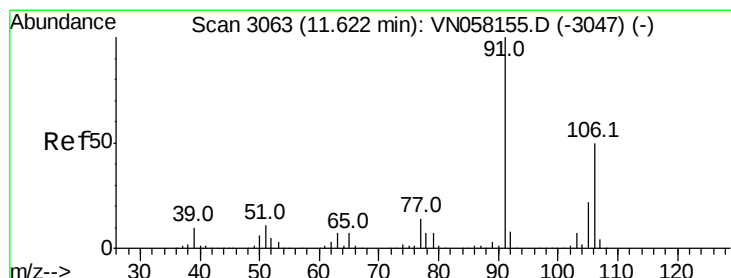
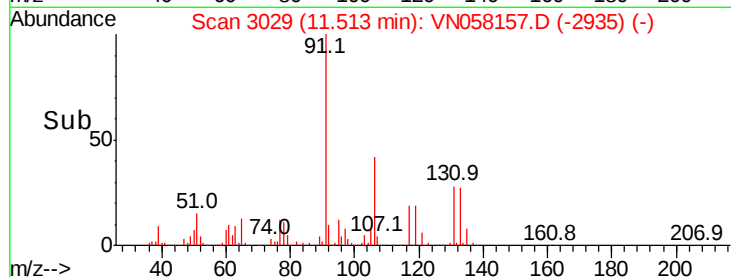
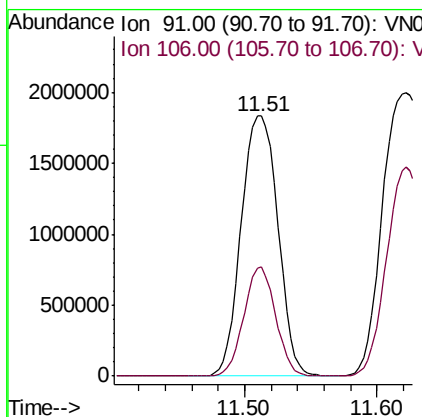
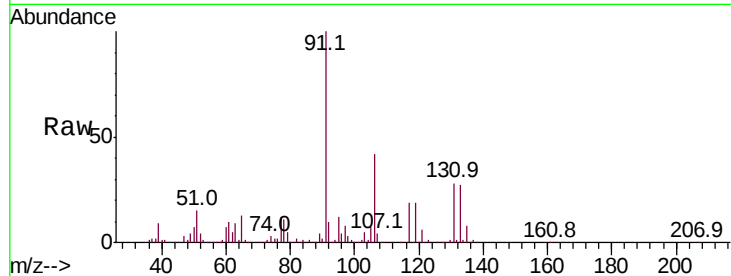




#67
Ethyl Benzene
Concen: 90.643 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

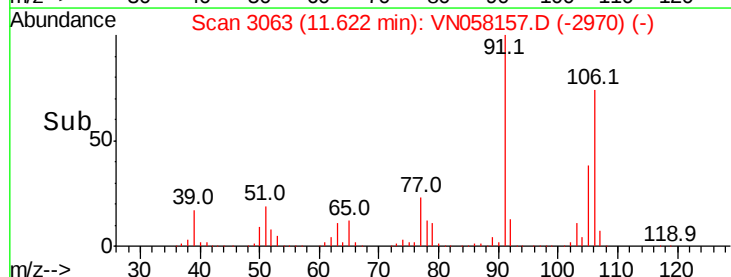
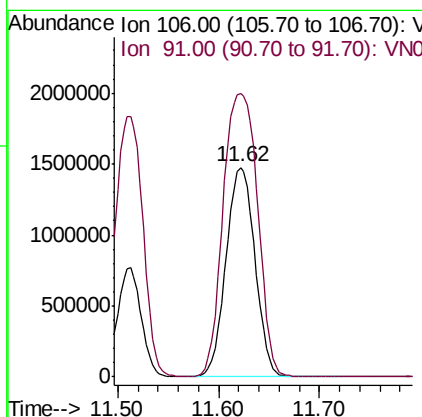
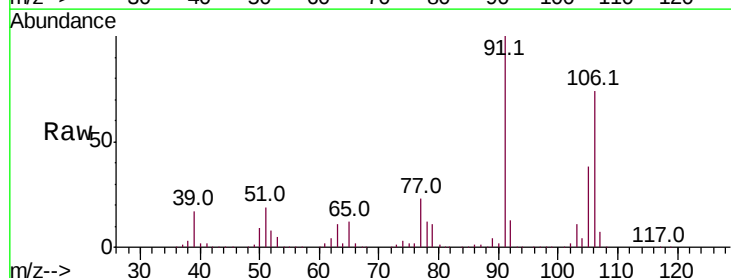
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

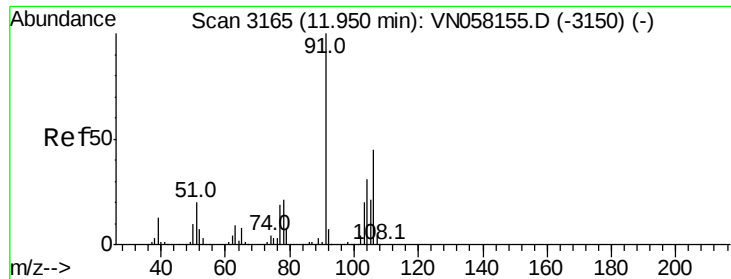
Tot Ion: 91 Resp: 3532203
Ion Ratio Lower Upper
91 100
106 41.9 24.0 36.0#



#68
m/p-Xylenes
Concen: 206.754 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 106 Resp: 2950140
Ion Ratio Lower Upper
106 100
91 161.3 163.6 245.4#

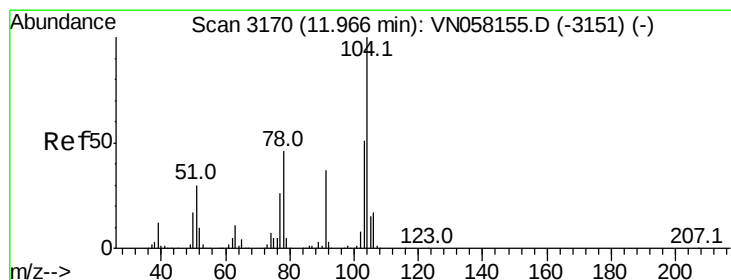
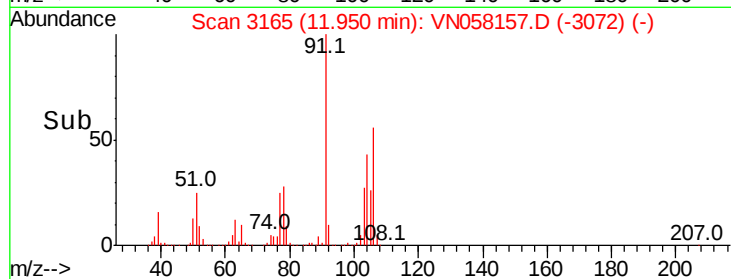
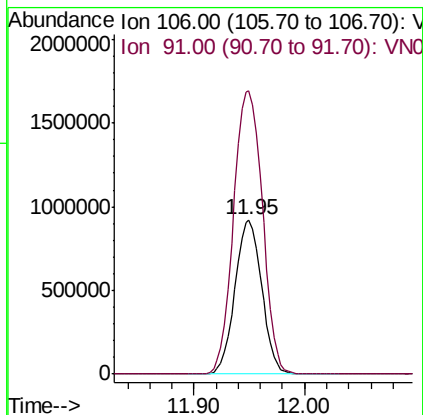
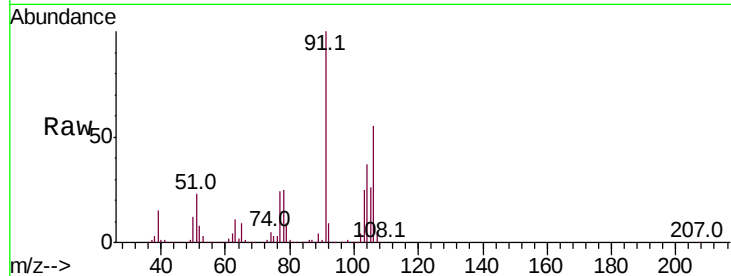




#69
o-Xylene
Concen: 109.324 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

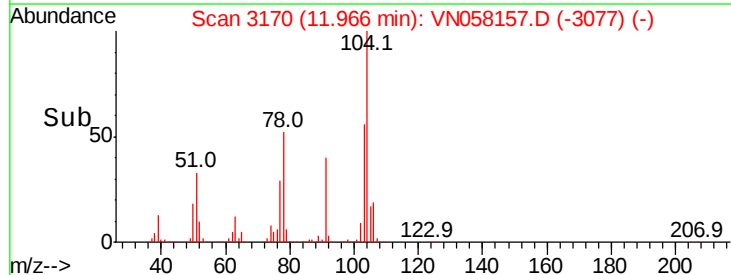
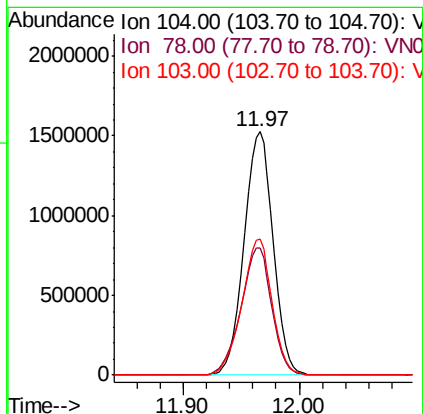
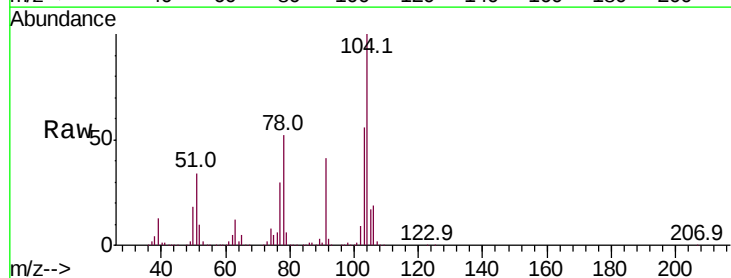
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

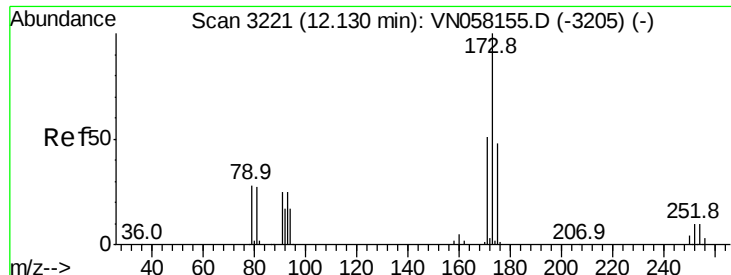
Tot Ion:106 Resp: 1546042
Ion Ratio Lower Upper
106 100
91 199.0 111.8 335.3



#70
Styrene
Concen: 109.408 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion:104 Resp: 2662300
Ion Ratio Lower Upper
104 100
78 55.4 41.8 62.8
103 57.8 44.2 66.2





#71

Bromoform

Concen: 144.034 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

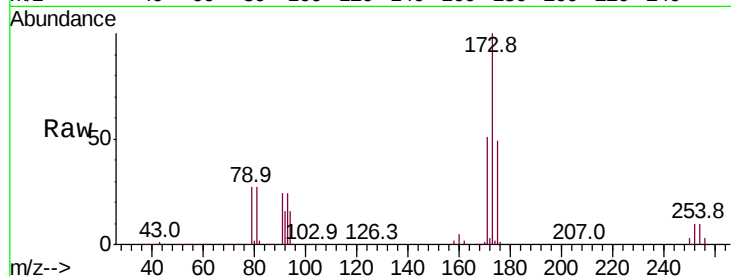
Tot Ion:173 Resp: 692710

Ion Ratio Lower Upper

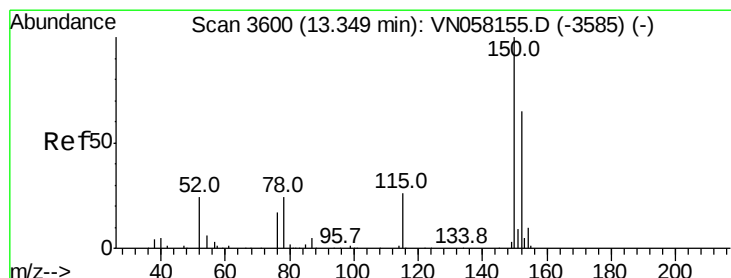
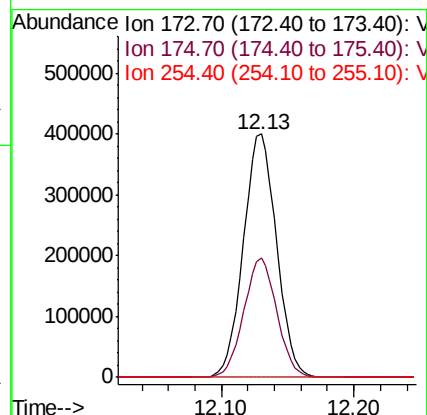
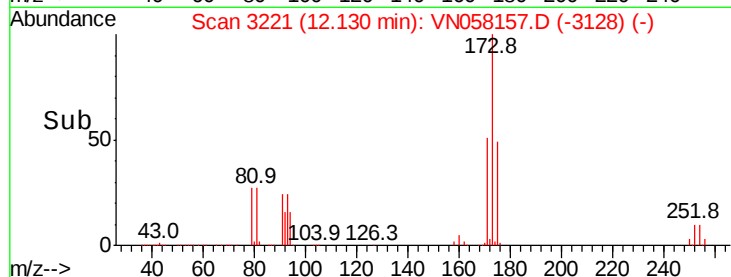
173 100

175 48.8 24.2 72.6

254 0.1 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: VN058157.D

Acq: 18 Sep 2019 11:11

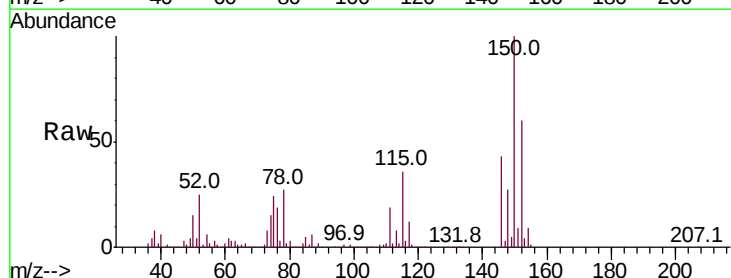
Tgt Ion:152 Resp: 454568

Ion Ratio Lower Upper

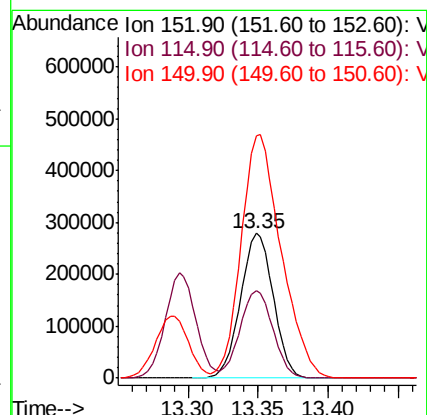
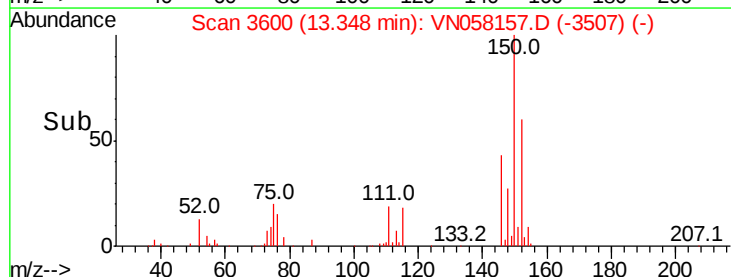
152 100

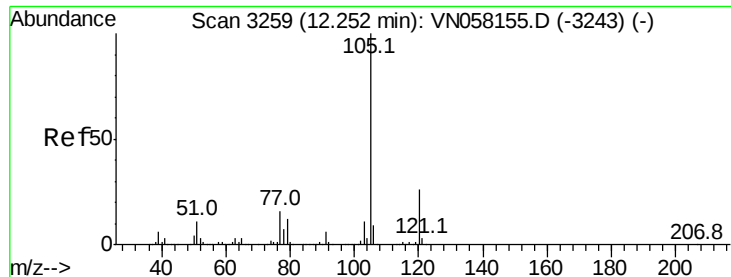
115 60.3 30.1 90.3

150 204.7 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: 105.754 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

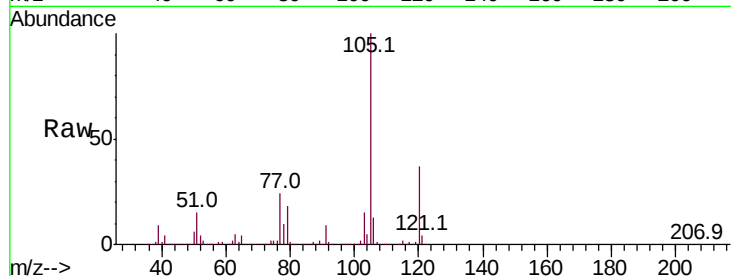
VSTDIC150

Tot Ion:105 Resp: 3602722

Ion Ratio Lower Upper

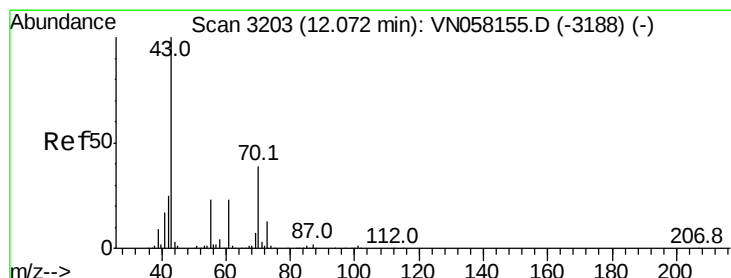
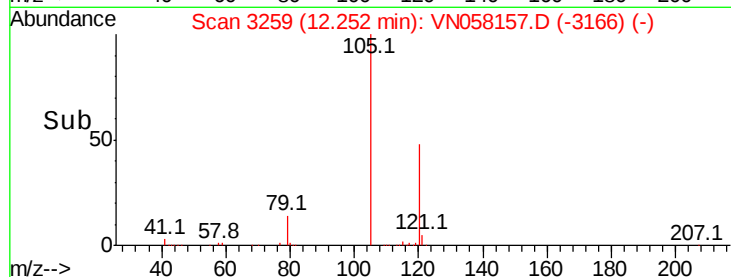
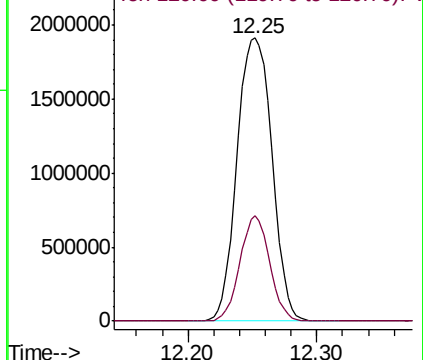
105 100

120 31.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 133.741 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Tgt Ion: 43 Resp: 1971763

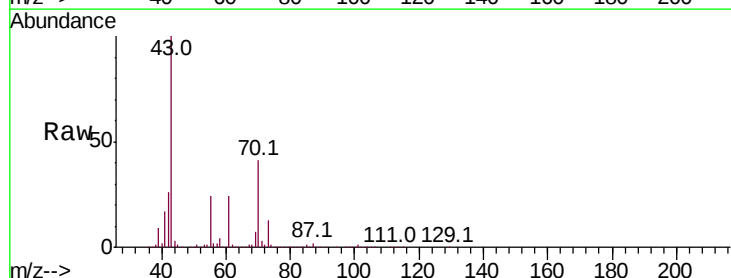
Ion Ratio Lower Upper

43 100

70 40.7 31.0 46.6

55 23.4 18.5 27.7

61 23.7 18.2 27.2

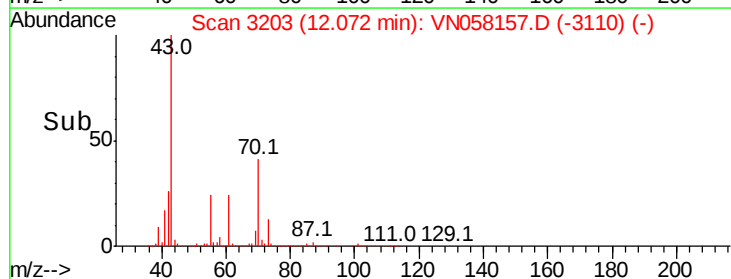
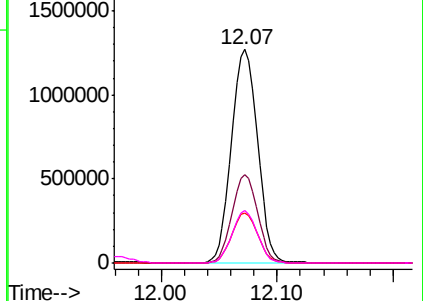


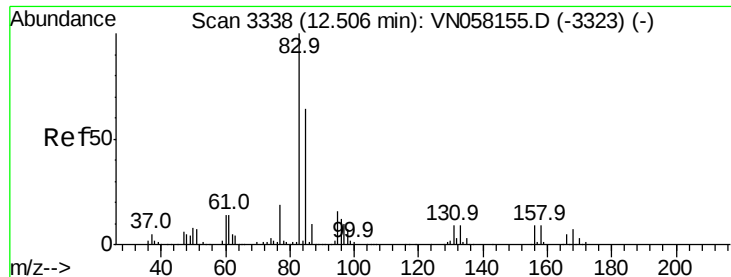
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 125.225 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

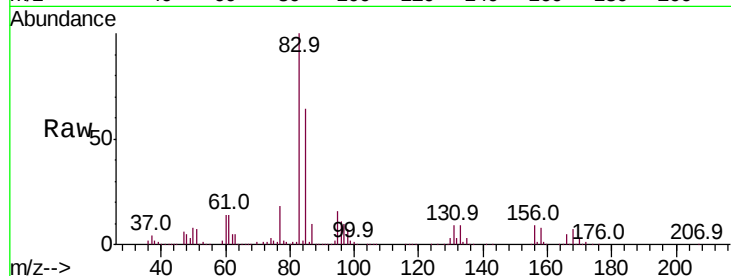
Tot Ion: 83 Resp: 1435492

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

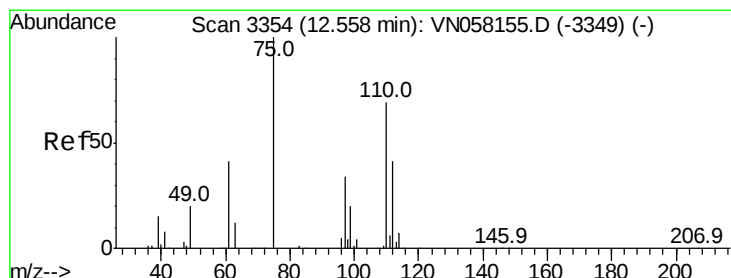
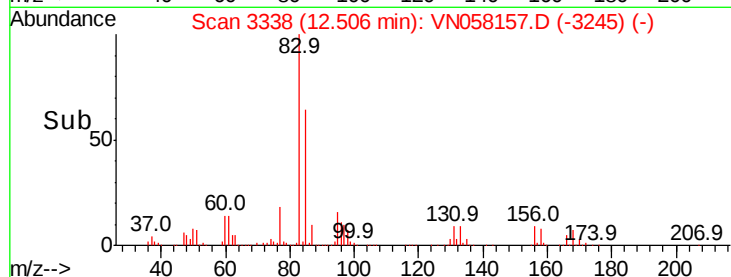
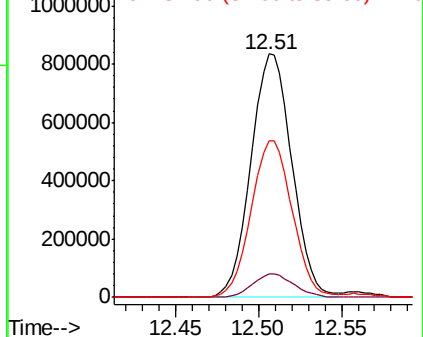
85 64.4 31.9 95.5



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: 185.255 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058157.D

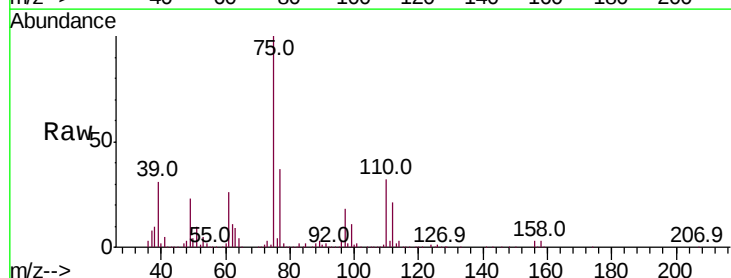
Acq: 18 Sep 2019 11:11

Tgt Ion: 75 Resp: 1827260

Ion Ratio Lower Upper

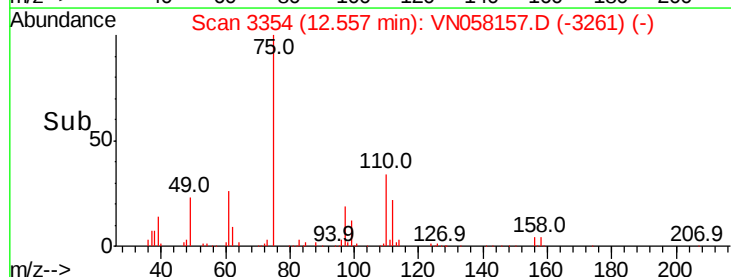
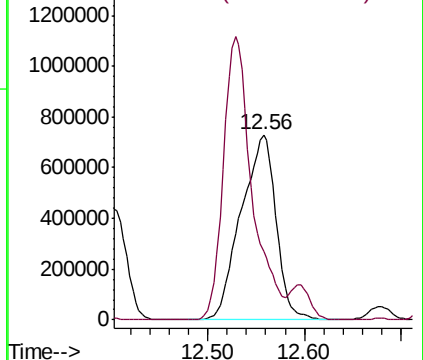
75 100

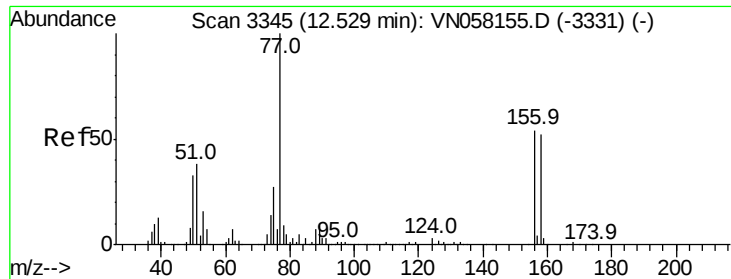
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 121.865 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

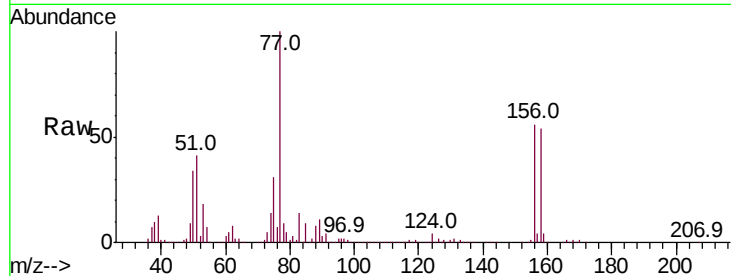
Tot Ion:156 Resp: 1040631

Ion Ratio Lower Upper

156 100

77 222.3 111.7 335.1

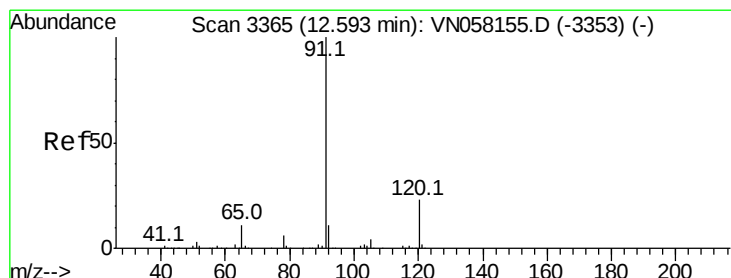
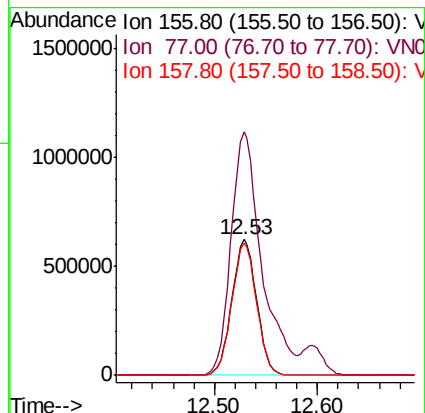
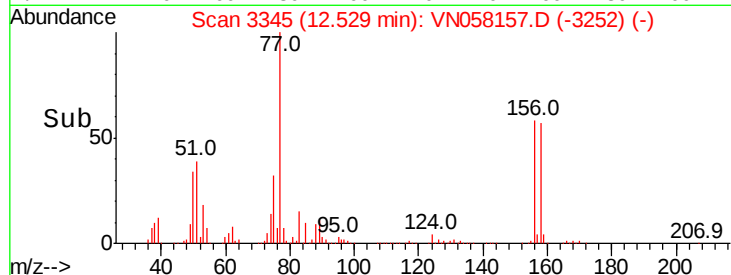
158 97.5 47.9 143.8



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: 100.448 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058157.D

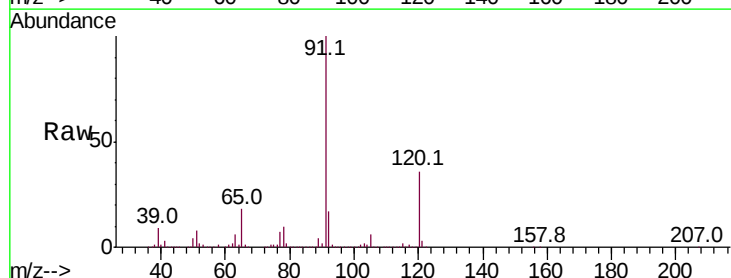
Acq: 18 Sep 2019 11:11

Tgt Ion: 91 Resp: 3923738

Ion Ratio Lower Upper

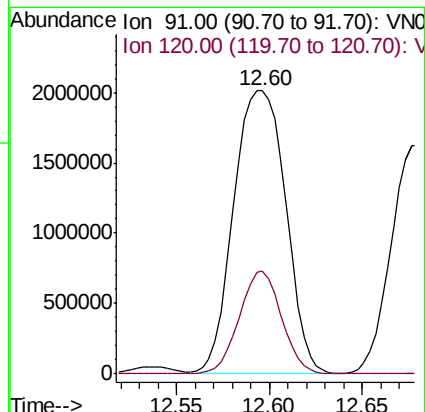
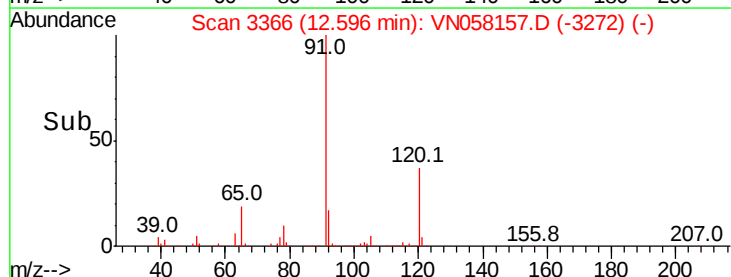
91 100

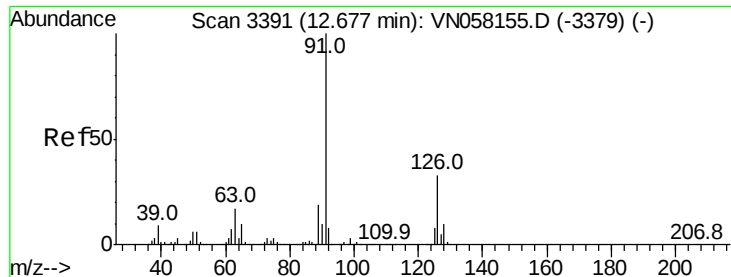
120 29.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

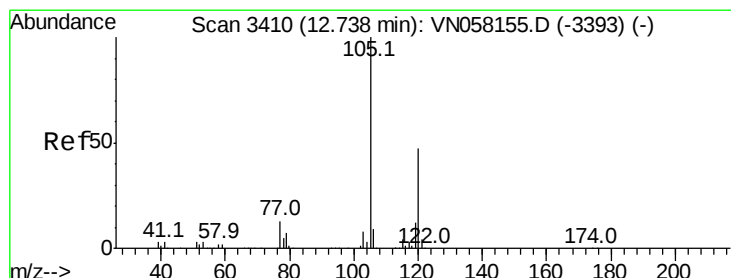
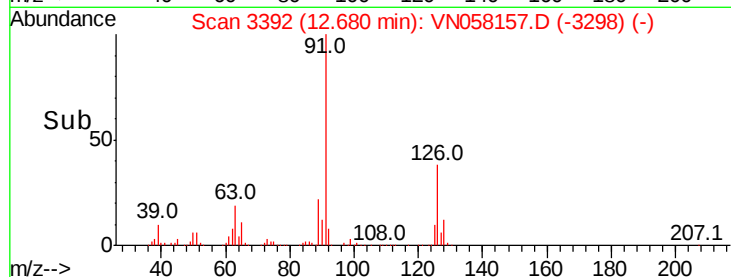
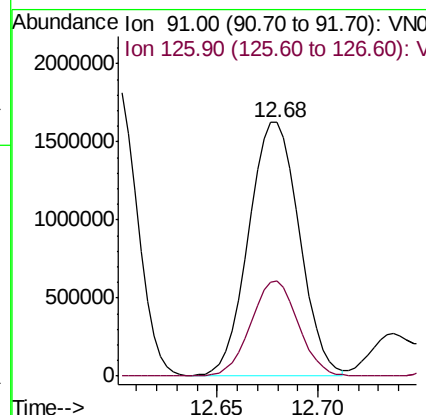
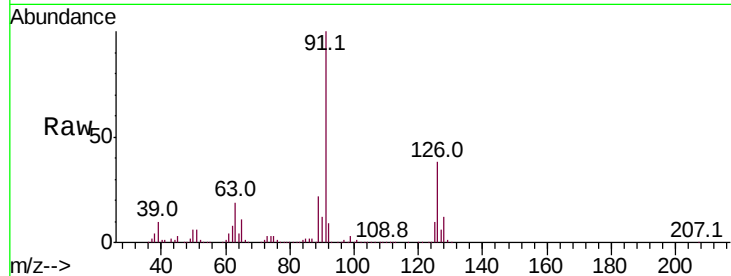




#79
 2-Chlorotoluene
 Concen: 115.482 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

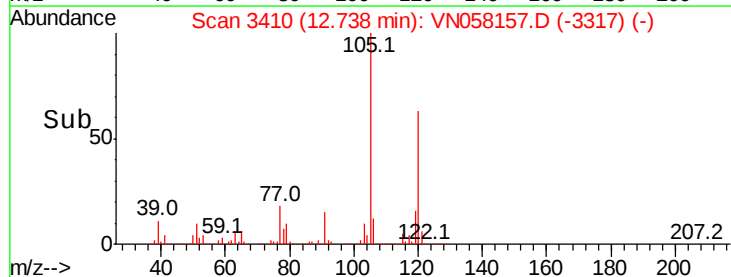
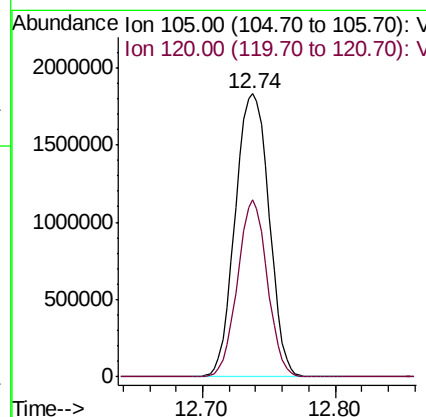
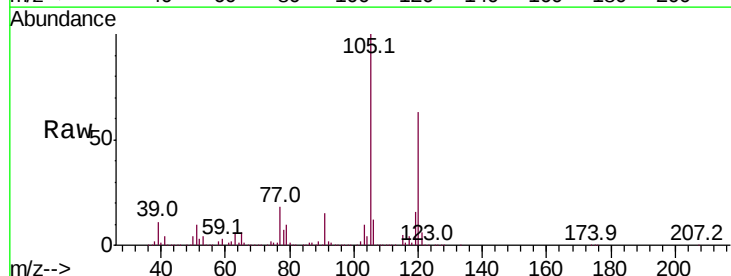
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

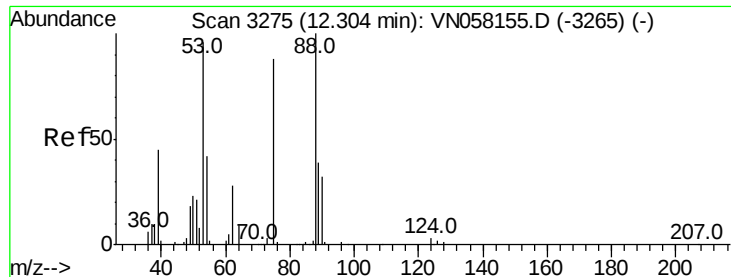
Tot Ion: 91 Resp: 2858155
 Ion Ratio Lower Upper
 91 100
 126 35.2 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 112.254 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:105 Resp: 3234744
 Ion Ratio Lower Upper
 105 100
 120 55.2 23.4 70.0

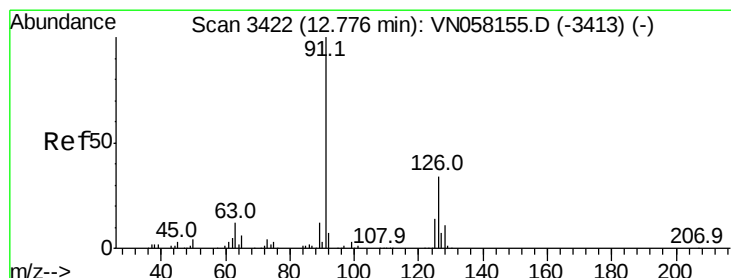
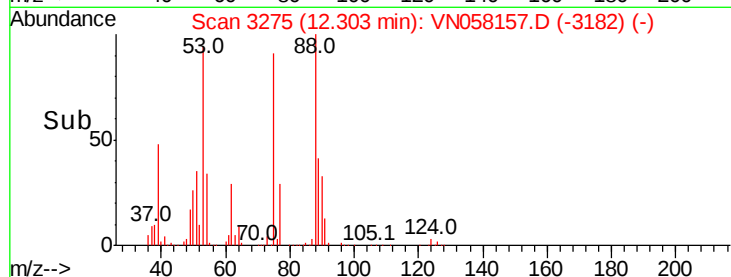
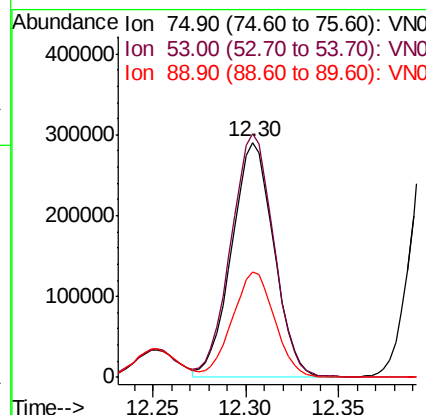
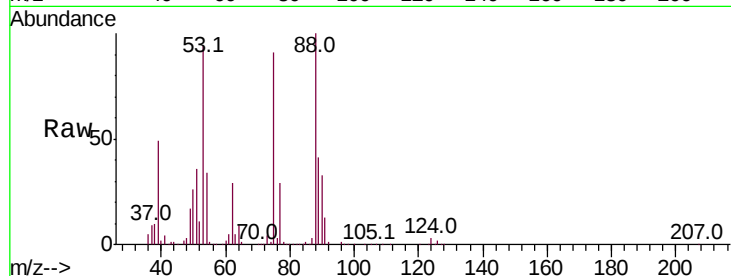




#81
trans-1,4-Dichloro-2-butene
Concen: 163.437 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

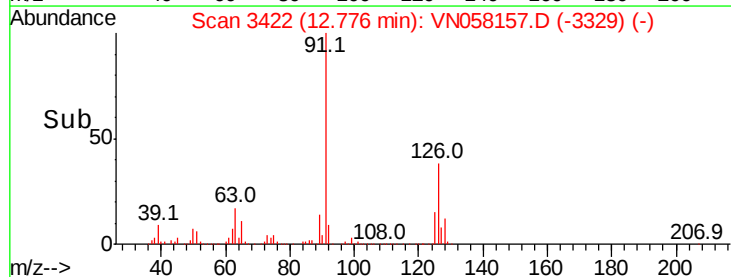
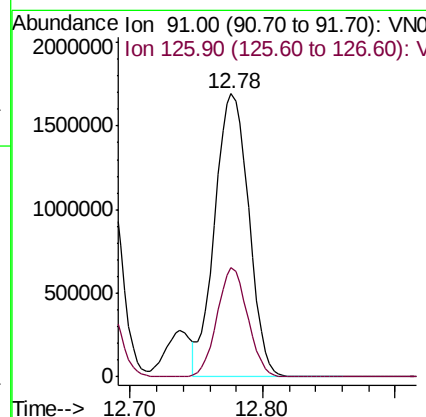
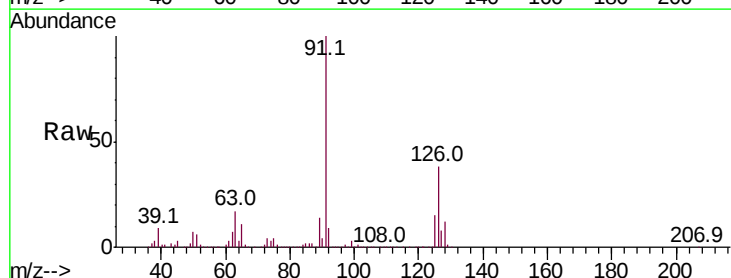
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

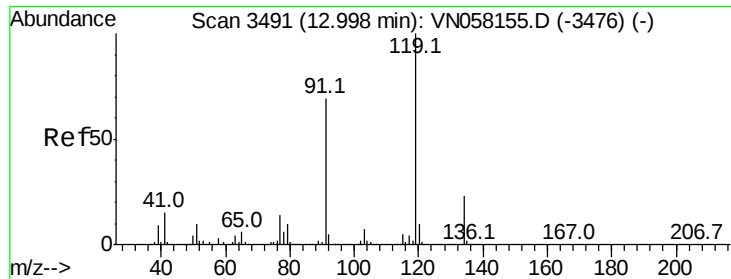
Tot Ion: 75 Resp: 456038
Ion Ratio Lower Upper
75 100
53 106.0 90.1 135.1
89 45.0 36.2 54.2



#82
4-Chlorotoluene
Concen: 118.449 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058157.D
Acq: 18 Sep 2019 11:11

Tgt Ion: 91 Resp: 3010985
Ion Ratio Lower Upper
91 100
126 34.7 15.7 47.1





#83

tert-Butylbenzene

Concen: 117.902 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

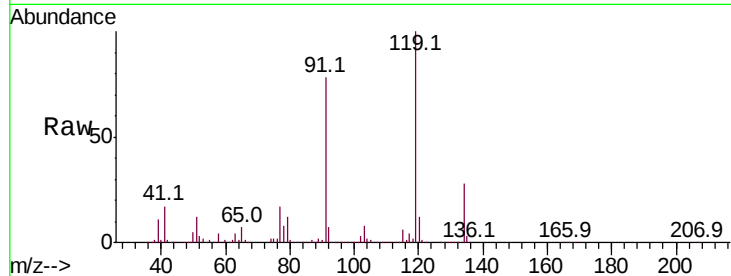
Tot Ion:119 Resp: 3018873

Ion Ratio Lower Upper

119 100

91 72.5 33.8 101.3

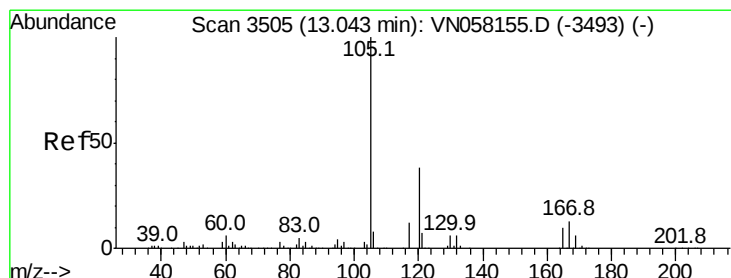
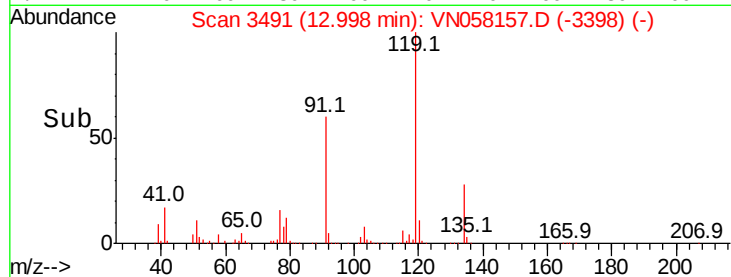
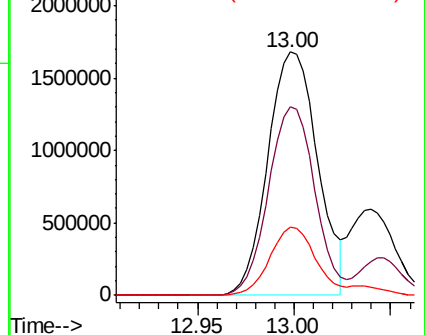
134 26.2 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 110.168 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058157.D

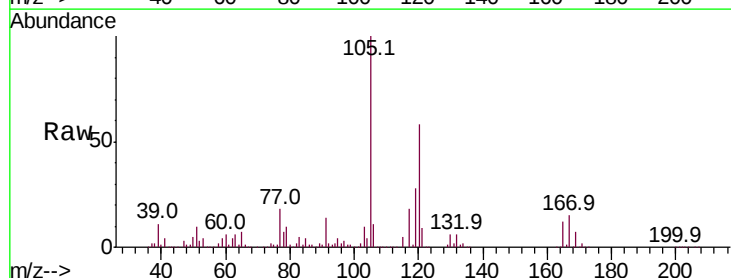
Acq: 18 Sep 2019 11:11

Tgt Ion:105 Resp: 3217423

Ion Ratio Lower Upper

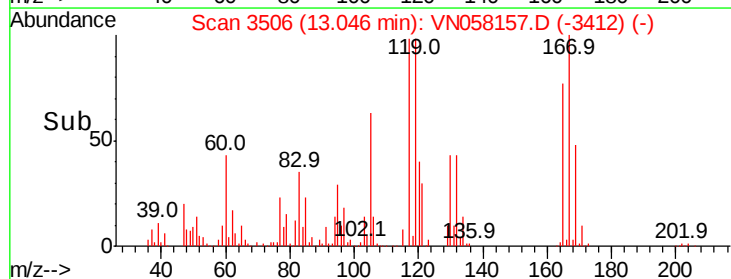
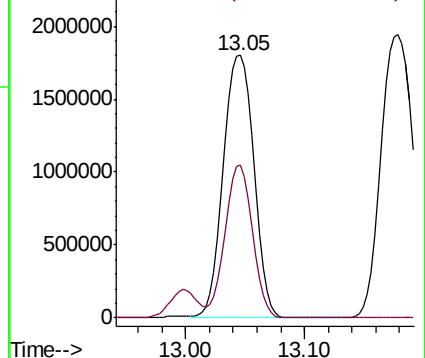
105 100

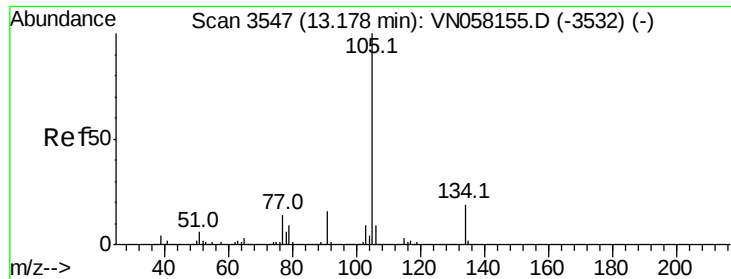
120 52.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

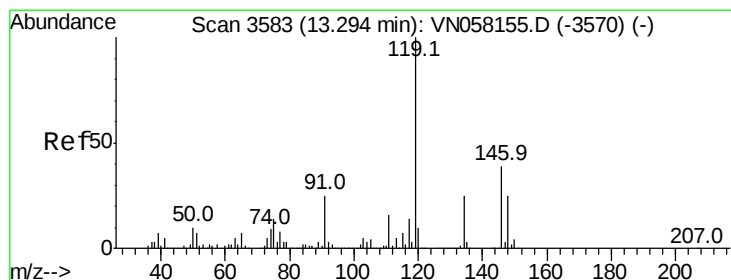
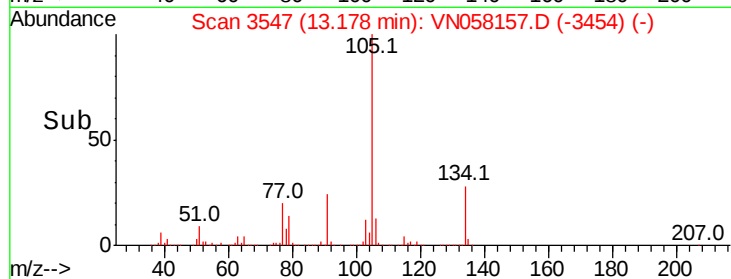
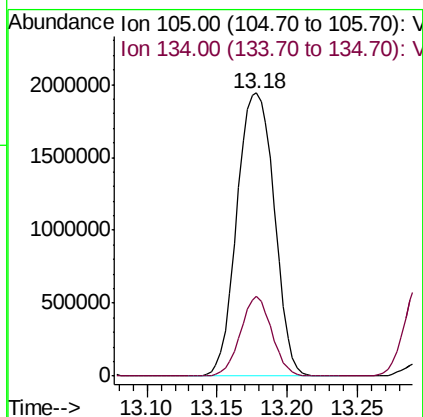
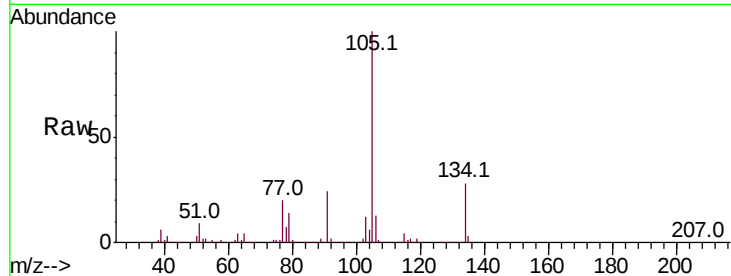




#85
 sec-Butylbenzene
 Concen: 106.273 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

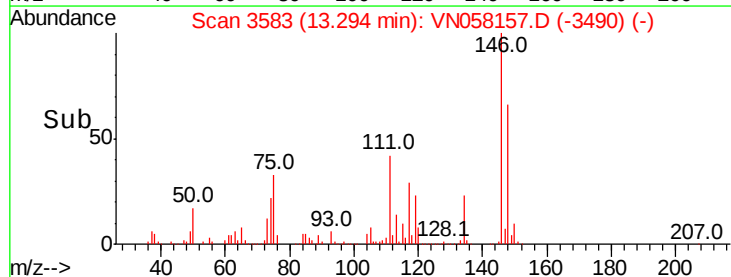
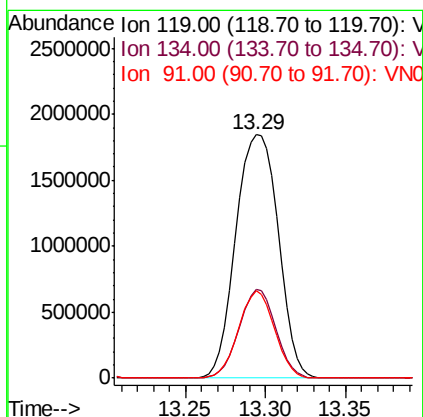
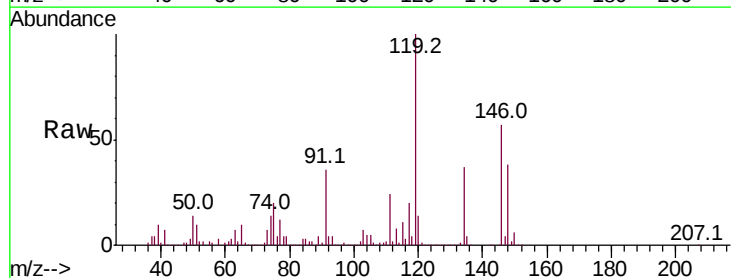
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

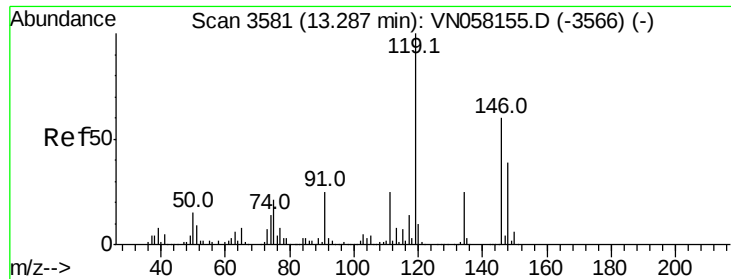
Tot Ion:105 Resp: 3601686
 Ion Ratio Lower Upper
 105 100
 134 23.7 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 111.859 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:119 Resp: 3335862
 Ion Ratio Lower Upper
 119 100
 134 31.4 12.7 38.0
 91 30.4 12.3 36.8

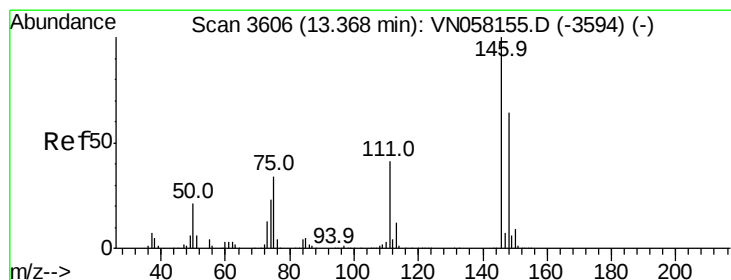
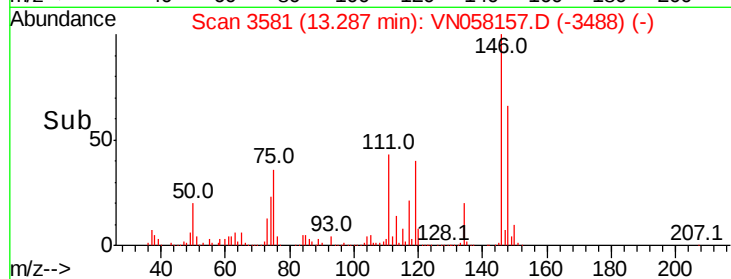
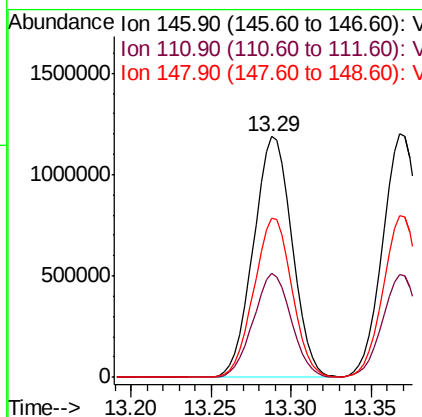
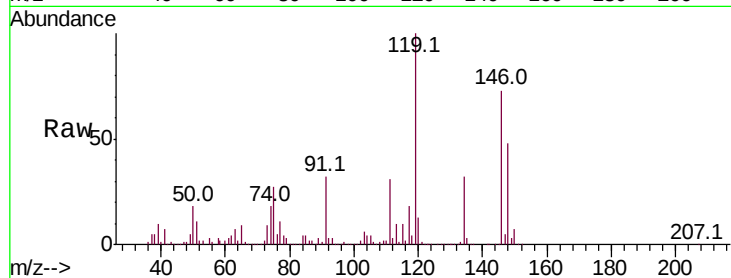




#87
 1,3-Dichlorobenzene
 Concen: 126.585 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

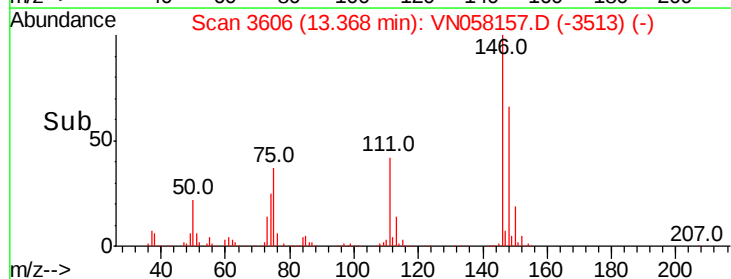
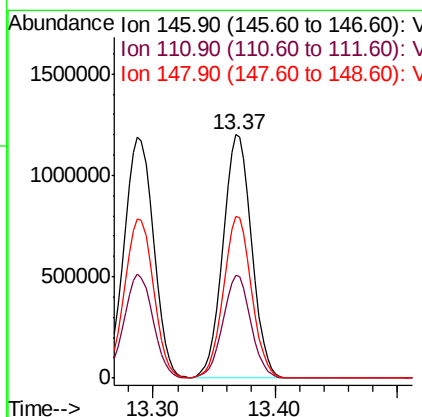
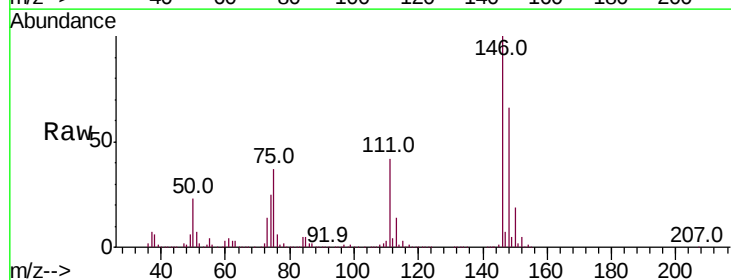
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

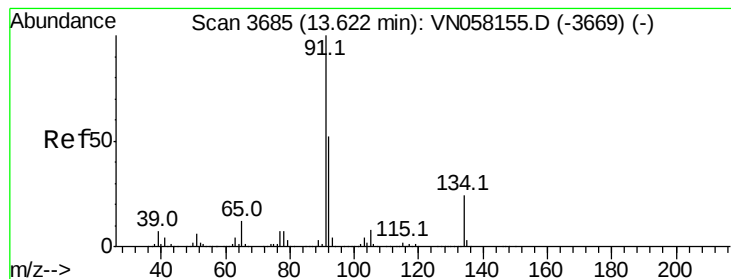
Tot Ion:146 Resp: 1974553
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.9 62.8
 148 65.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 124.861 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:146 Resp: 1983825
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.5 61.5
 148 65.1 31.9 95.5





#89

n-Butylbenzene

Concen: 116.066 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

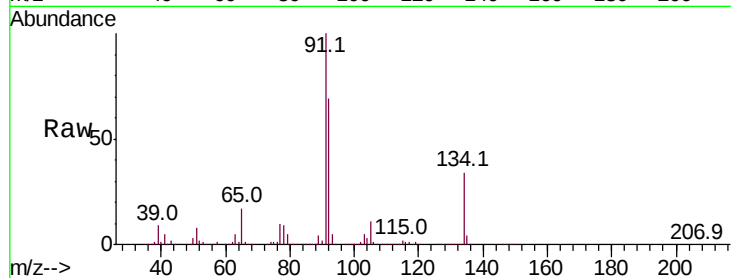
Tot Ion: 91 Resp: 3280036

Ion	Ratio	Lower	Upper
91	100		
92	61.1	25.7	77.0
134	29.2	11.8	35.4

91 100

92 61.1 25.7 77.0

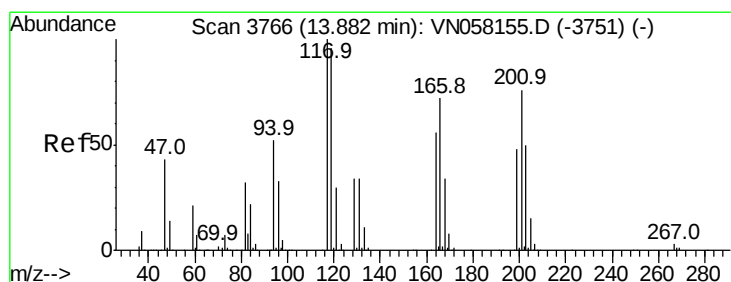
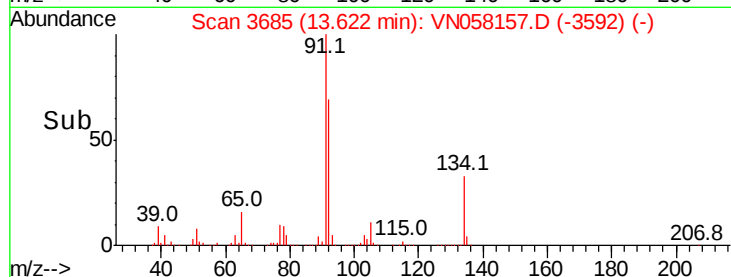
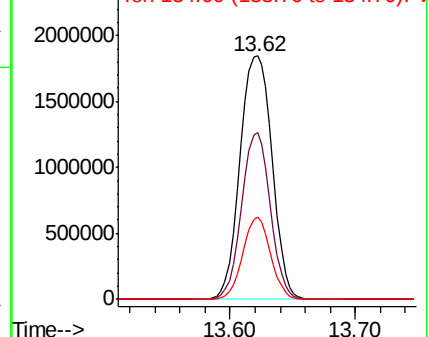
134 29.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058157.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058157.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058157.D (-3669) (-)



#90

Hexachloroethane

Concen: 156.110 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058157.D

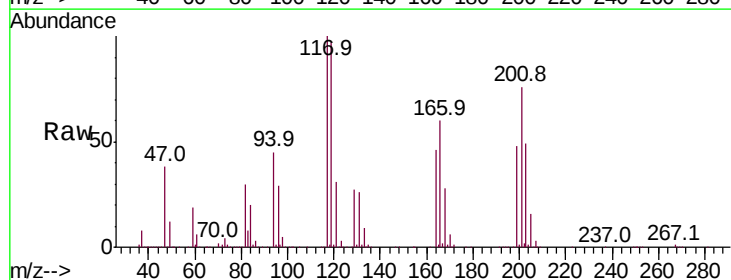
Acq: 18 Sep 2019 11:11

Tgt Ion: 117 Resp: 696278

Ion	Ratio	Lower	Upper
117	100		
201	77.1	37.5	112.5

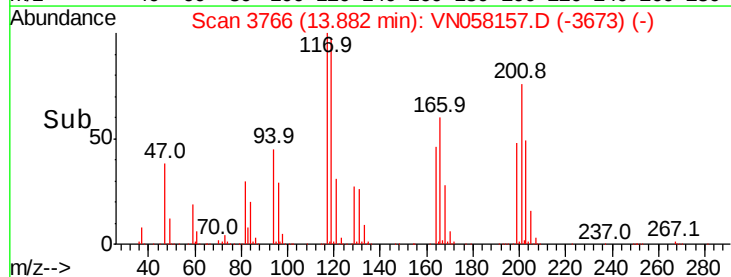
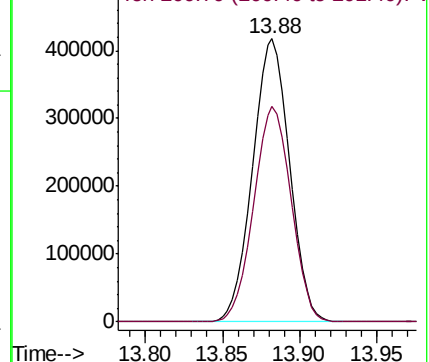
117 100

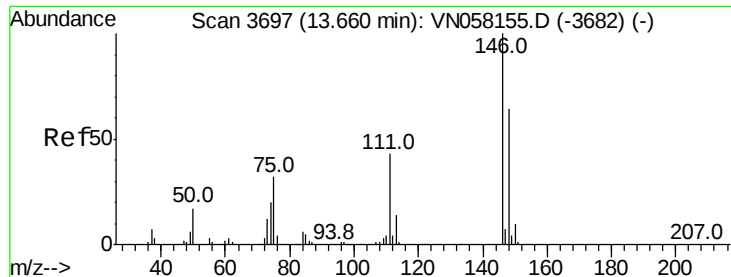
201 77.1 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058157.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058157.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 126.781 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

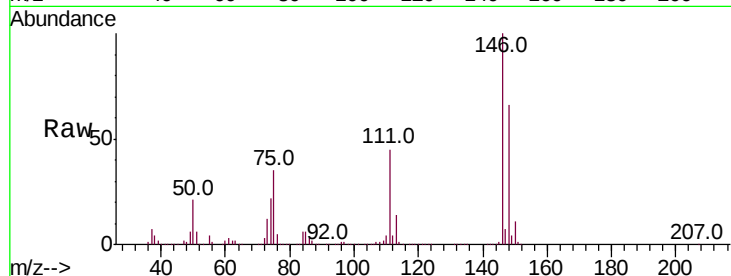
Tot Ion:146 Resp: 1981098

Ion Ratio Lower Upper

146 100

111 44.1 21.1 63.1

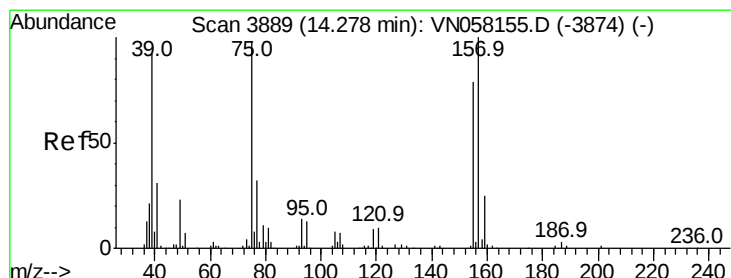
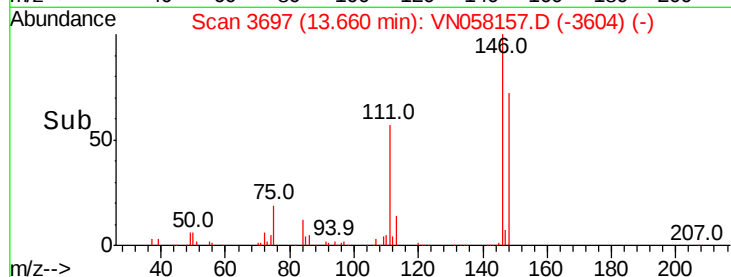
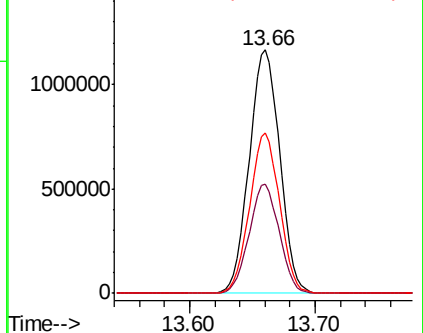
148 64.5 31.8 95.4



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: 160.805 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

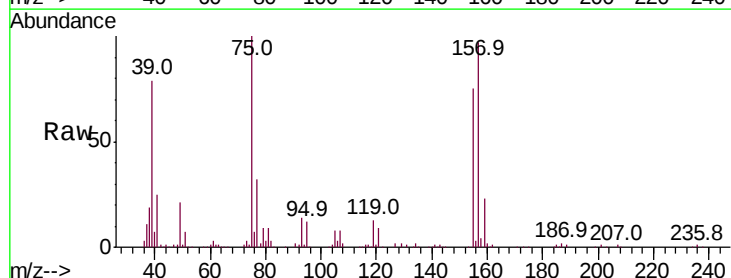
Tgt Ion: 75 Resp: 305729

Ion Ratio Lower Upper

75 100

155 74.6 38.3 114.8

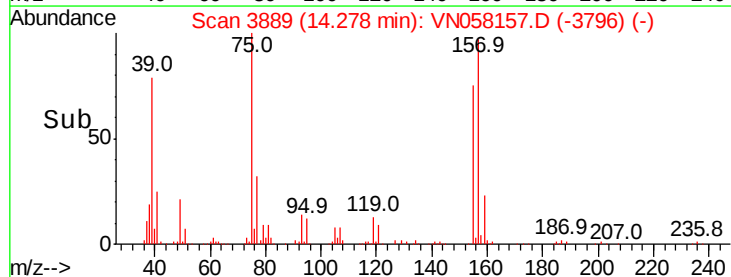
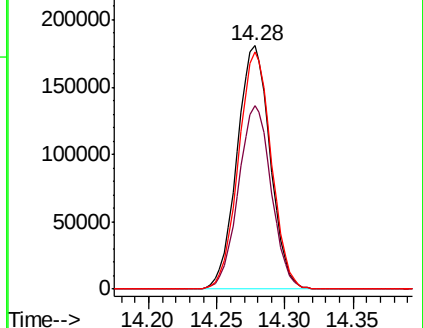
157 96.1 48.0 144.0

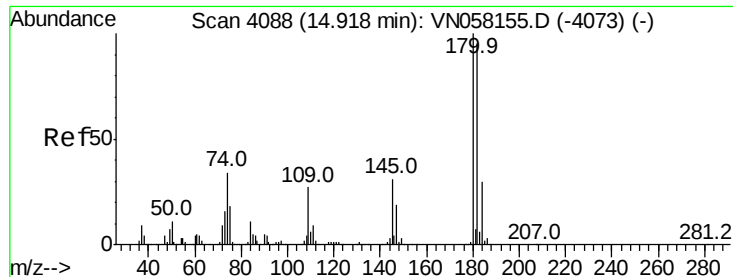


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



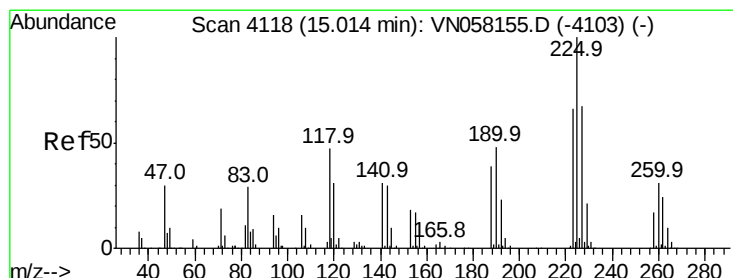
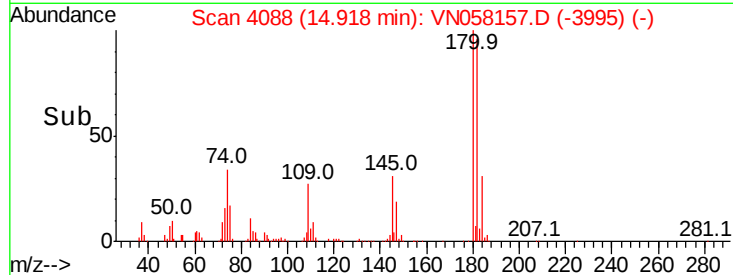
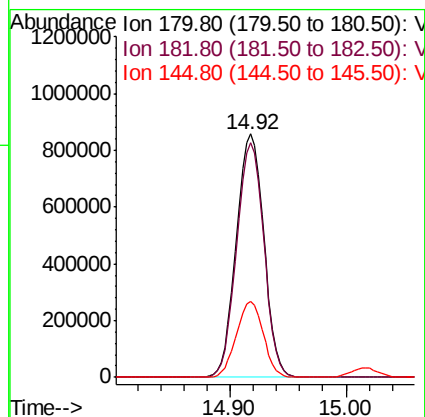
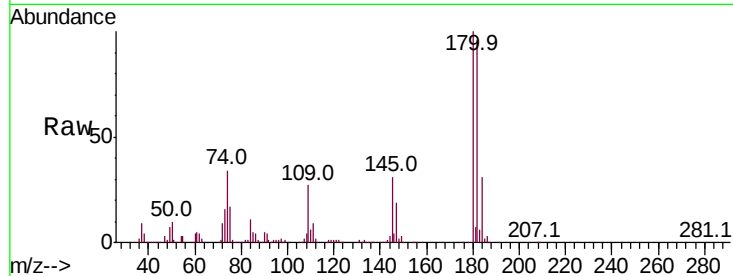


#93
 1,2,4-Trichlorobenzene
 Concen: 136.700 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1411422

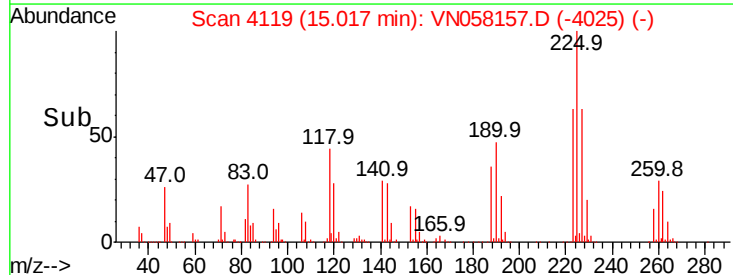
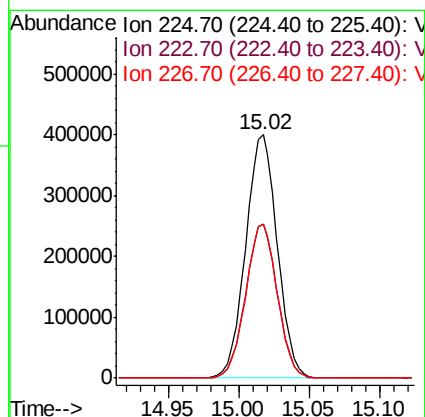
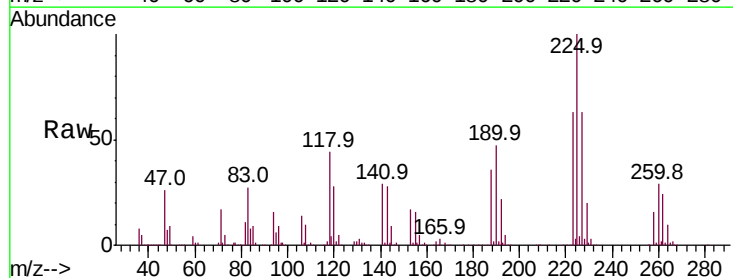
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	30.5	15.4	46.4

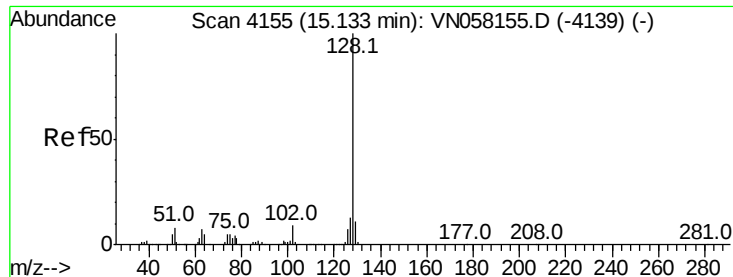


#94
 Hexachlorobutadiene
 Concen: 142.210 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058157.D
 Acq: 18 Sep 2019 11:11

Tgt Ion:225 Resp: 629564

Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.6	97.7
227	63.1	33.0	99.0





#95

Naphthalene

Concen: 115.126 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Instrument :

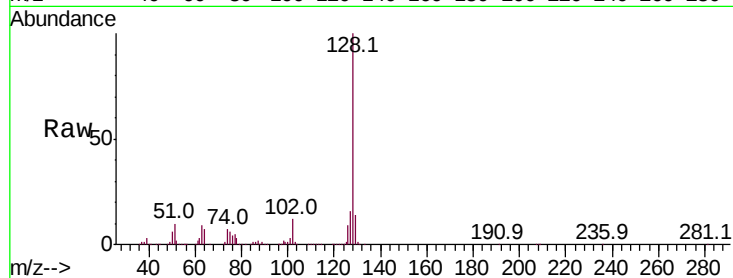
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3405691

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.2	15.2
129	12.5	8.6	12.8

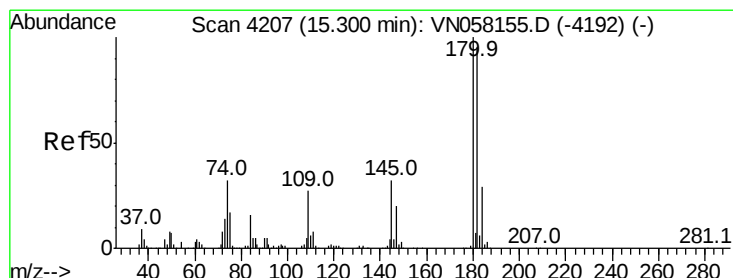
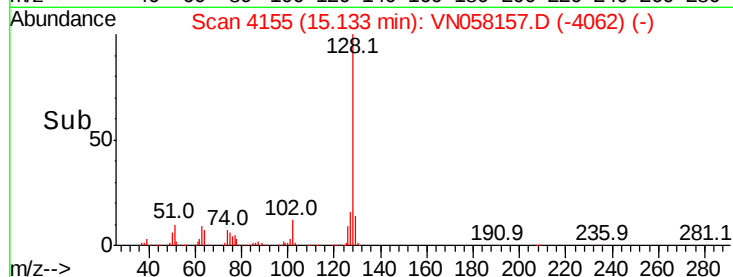
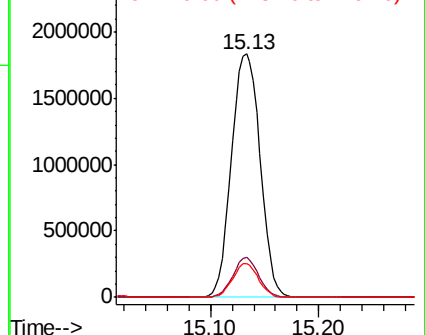


Abundance

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: 131.462 ug/l

RT: 15.30 min Scan# 4207

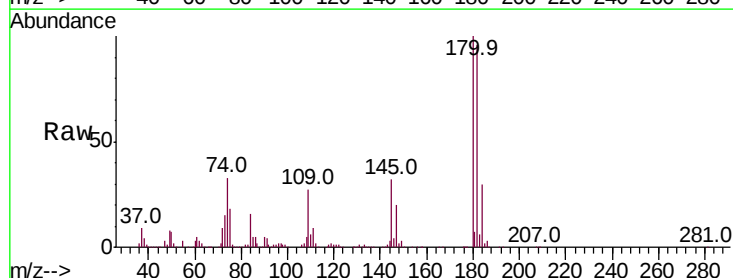
Delta R.T. -0.00 min

Lab File: VN058157.D

Acq: 18 Sep 2019 11:11

Tgt Ion:180 Resp: 1327672

Ion	Ratio	Lower	Upper
180	100		
182	94.8	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

