

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058232.D
 Acq On : 20 Sep 2019 1:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 04:30:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	482462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	823210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	363249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	360342	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.57	113	261645	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.09	98	1022121	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.41	95	376364	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	186179	46.976	ug/l	99
3) Chloromethane	2.03	50	156668	51.310	ug/l	97
4) Vinyl Chloride	2.17	62	168715	50.513	ug/l	100
5) Bromomethane	2.54	94	86295	48.815	ug/l	99
6) Chloroethane	2.68	64	109998	51.454	ug/l	100
7) Trichlorofluoromethane	3.00	101	249170	46.060	ug/l	99
8) Diethyl Ether	3.39	74	122846	49.560	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183399	47.021	ug/l	100
10) Methyl Iodide	3.93	142	140814	43.085	ug/l	98
11) Tert butyl alcohol	4.75	59	223401	279.485	ug/l	100
12) 1,1-Dichloroethene	3.72	96	149641	50.559	ug/l	98
13) Acrolein	3.59	56	31793	268.391	ug/l	97
14) Allyl chloride	4.30	41	276343	43.299	ug/l	89
15) Acrylonitrile	4.96	53	584510	274.464	ug/l	99
16) Acetone	3.79	43	497489	218.106	ug/l	98
17) Carbon Disulfide	4.03	76	196082	47.079	ug/l	97
18) Methyl Acetate	4.30	43	316500	52.733	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	783070	53.230	ug/l	99
20) Methylene Chloride	4.53	84	213283	53.423	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	162074	50.251	ug/l	97
22) Diisopropyl ether	5.93	45	850354	52.451	ug/l	98
23) Vinyl Acetate	5.87	43	3071910	276.914	ug/l	99
24) 1,1-Dichloroethane	5.83	63	442596	51.151	ug/l	99
25) 2-Butanone	6.82	43	806449	259.515	ug/l	99
26) 2,2-Dichloropropane	6.81	77	285107	38.839	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	247254	50.537	ug/l	99
28) Bromochloromethane	7.18	49	221003	53.991	ug/l	100
29) Tetrahydrofuran	7.19	42	500229	261.332	ug/l	99
30) Chloroform	7.36	83	475437	51.046	ug/l	99
31) Cyclohexane	7.64	56	276799	49.463	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	370710	52.283	ug/l	100
36) 1,1-Dichloropropene	7.78	75	272869	45.964	ug/l	99
37) Ethyl Acetate	6.91	43	320375	52.002	ug/l	100
38) Carbon Tetrachloride	7.76	117	290659	48.706	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	268706	46.818	ug/l	97
40) Benzene	8.03	78	885468	48.834	ug/l	99
41) Methacrylonitrile	7.15	41	150359	48.474	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	381567	50.151	ug/l	100
43) Isopropyl Acetate	8.15	43	576923	50.141	ug/l #	92
44) Trichloroethene	8.82	130	217821	49.090	ug/l	100
45) 1,2-Dichloropropane	9.11	63	279407	51.599	ug/l	99
46) Dibromomethane	9.20	93	166616	50.609	ug/l	100
47) Bromodichloromethane	9.39	83	367669	53.308	ug/l	98
48) Methyl methacrylate	9.19	41	278064	53.226	ug/l	98
49) 1,4-Dioxane	9.19	88	91600	1067.946	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1773695	290.222	ug/l	99
52) Toluene	10.15	92	556319	48.956	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	369458	52.293	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	392627	50.335	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	265042	52.557	ug/l	99
56) Ethyl methacrylate	10.43	69	394181	54.175	ug/l	99
57) 1,3-Dichloropropane	10.71	76	449818	51.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	982087	283.365	ug/l	99
59) 2-Hexanone	10.75	43	1272738	280.403	ug/l	99
60) Dibromochloromethane	10.90	129	266432	54.917	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243037	52.004	ug/l	100
64) Tetrachloroethene	10.63	164	175549	47.805	ug/l	98
65) Chlorobenzene	11.43	112	654073	49.363	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	253894	52.844	ug/l	99
67) Ethyl Benzene	11.51	91	1169327	51.503	ug/l	99
68) m/p-Xylenes	11.62	106	856734	100.190	ug/l	98
69) o-Xylene	11.95	106	428382	50.948	ug/l	99
70) Styrene	11.97	104	772186	53.301	ug/l	99
71) Bromoform	12.13	173	168372	47.464	ug/l #	100
73) Isopropylbenzene	12.25	105	1226924	53.961	ug/l	100
74) N-amyl acetate	12.07	43	546441	57.448	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	405420	53.246	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	484043	74.457	ug/l #	100
77) Bromobenzene	12.53	156	285523	49.922	ug/l	98
78) n-propylbenzene	12.60	91	1413849	54.721	ug/l	100
79) 2-Chlorotoluene	12.68	91	856661	53.052	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1039791	54.080	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99414	46.032	ug/l	98
82) 4-Chlorotoluene	12.78	91	889863	52.426	ug/l	100
83) tert-Butylbenzene	13.00	119	917905	53.534	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1058708	55.332	ug/l	99
85) sec-Butylbenzene	13.18	105	1243555	55.463	ug/l	100
86) p-Isopropyltoluene	13.29	119	1111390	55.756	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	553010	52.938	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	553264	51.878	ug/l	100
89) n-Butylbenzene	13.62	91	1018959	53.919	ug/l	100
90) Hexachloroethane	13.88	117	173467	49.648	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	563724	53.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	77558	56.580	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

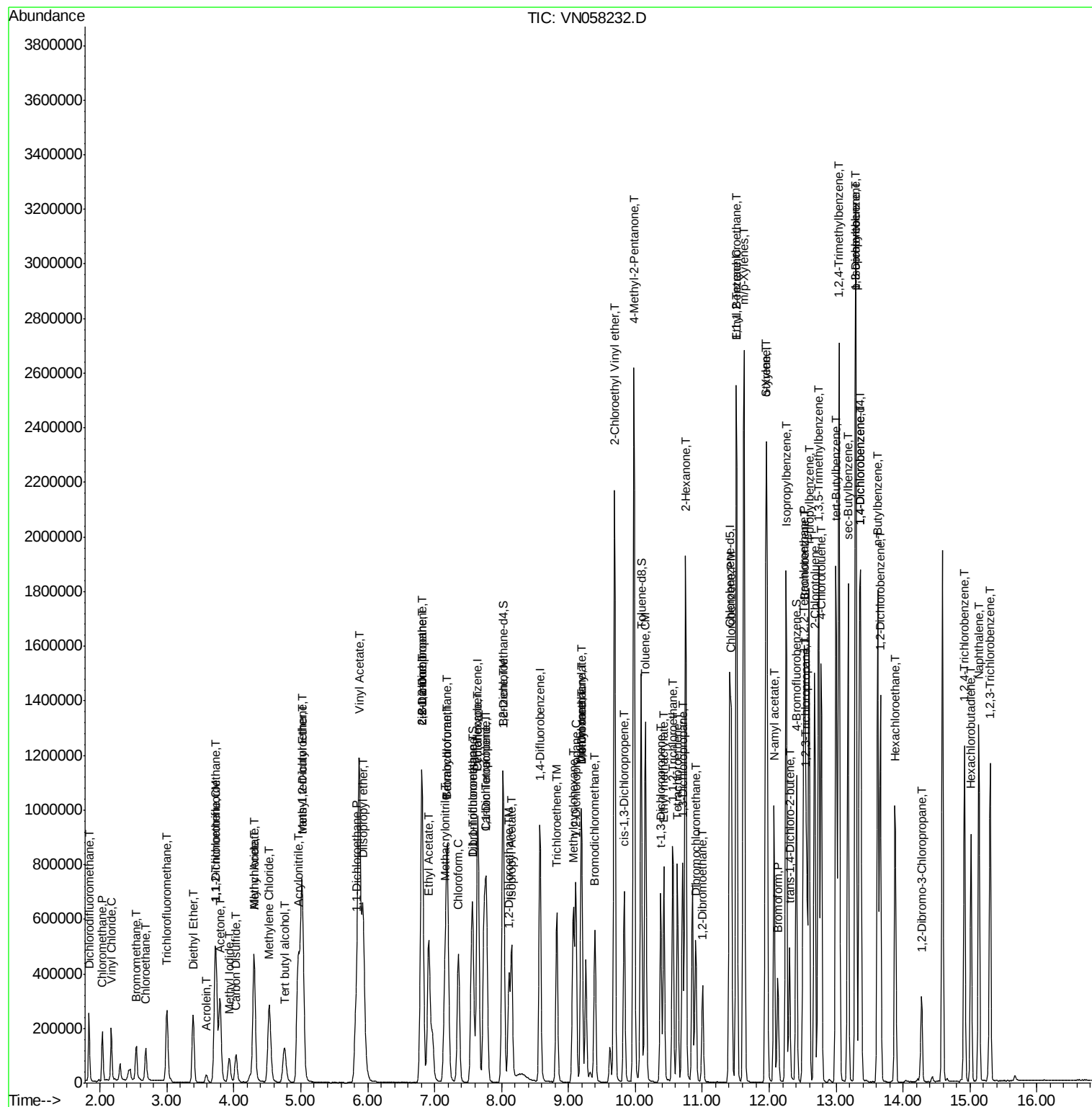
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	363050	54.226	ug/l	99
94) Hexachlorobutadiene	15.01	225	162963	50.360	ug/l	97
95) Naphthalene	15.13	128	1029658	59.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	350547	55.396	ug/l	100

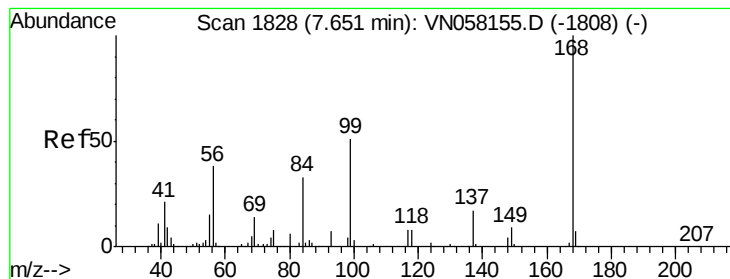
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

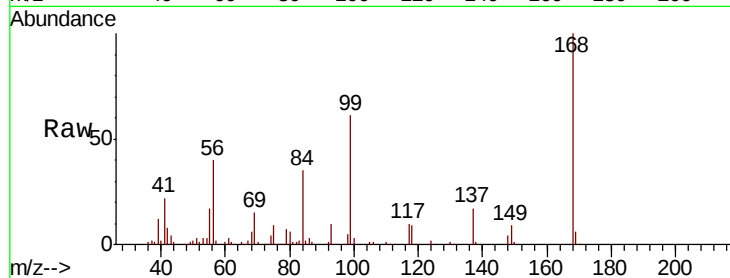
ClientSampled :

Tot Ion:168 Resp: 482462

Ion Ratio Lower Upper

168 100

99 60.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

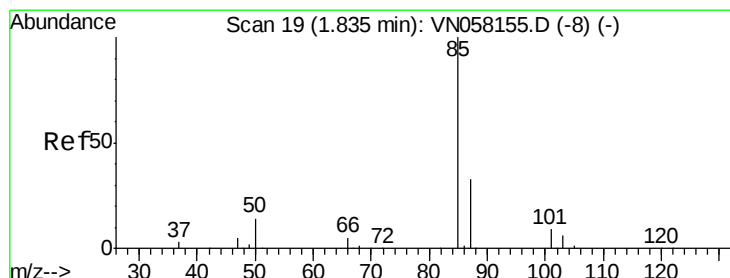
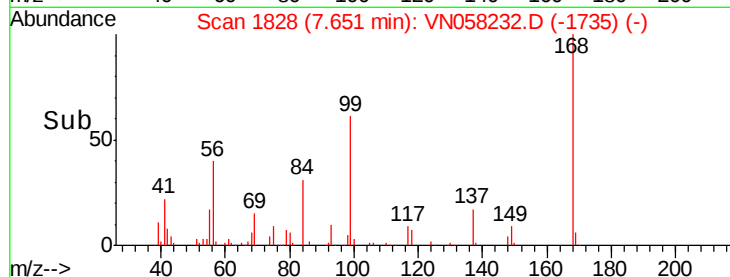
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.976 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058232.D

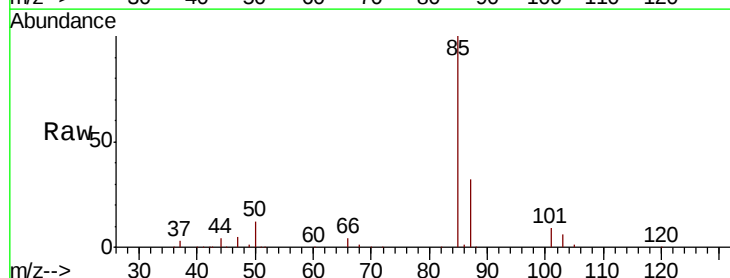
Acq: 20 Sep 2019 1:53

Tgt Ion: 85 Resp: 186179

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

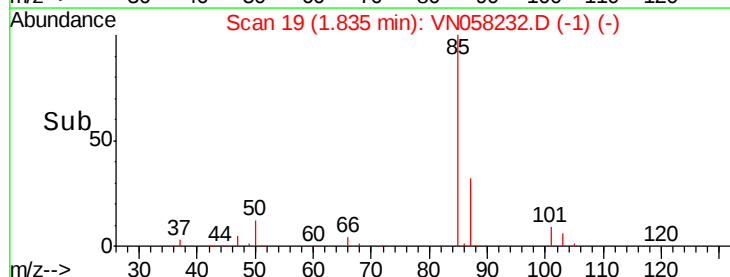
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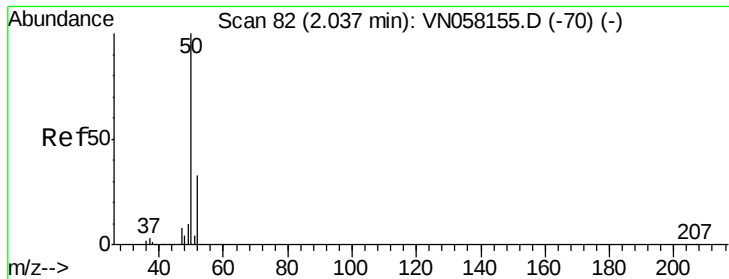
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 51.310 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

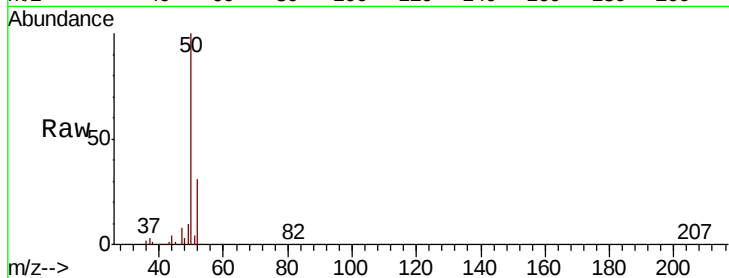
ClientSampled :

Tot Ion: 50 Resp: 156668

Ion Ratio Lower Upper

50 100

52 31.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN058155.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058232.D (-1) (-)

2.03

120000

100000

80000

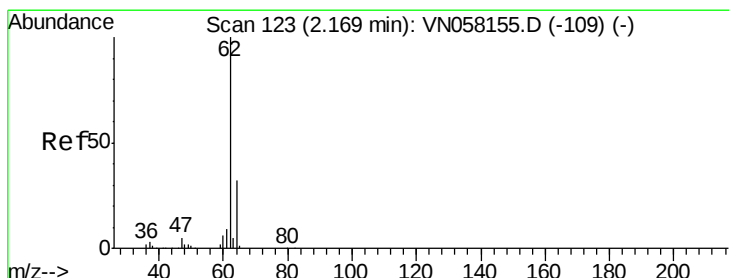
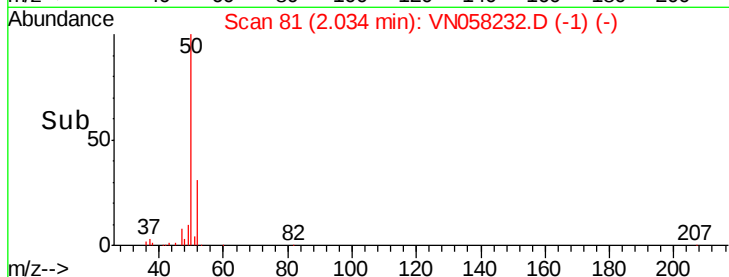
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 50.513 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058232.D

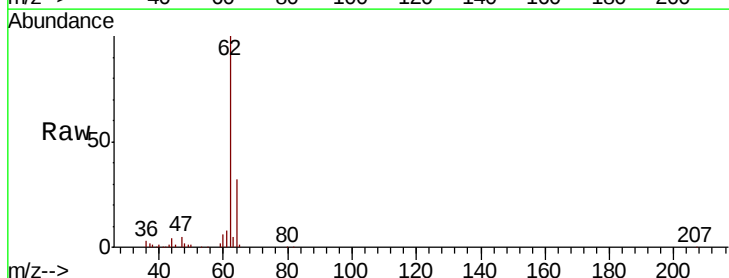
Acq: 20 Sep 2019 1:53

Tgt Ion: 62 Resp: 168715

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN058155.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN058232.D (-29) (-)

2.17

120000

100000

80000

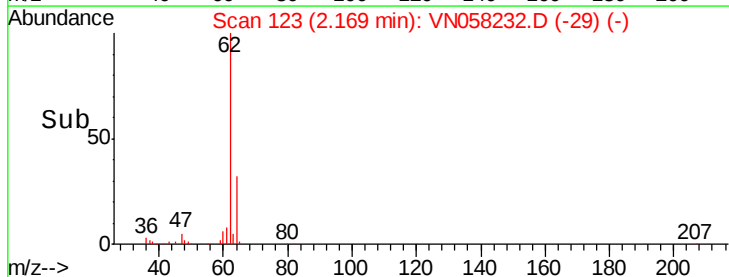
60000

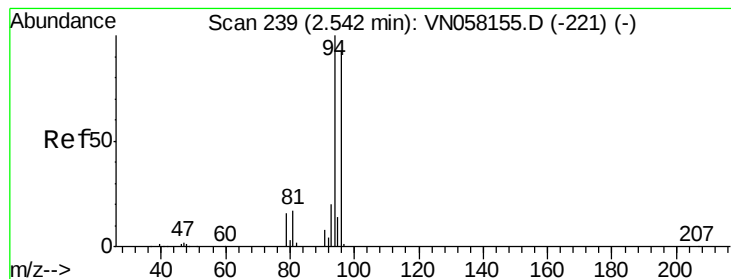
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 48.815 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

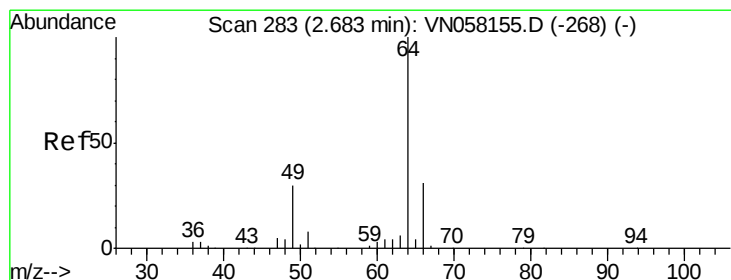
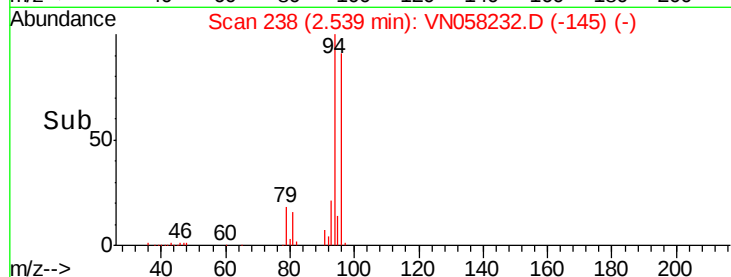
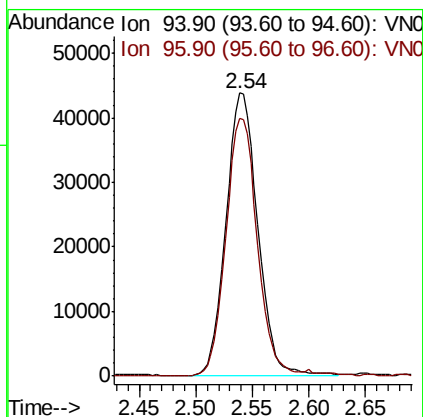
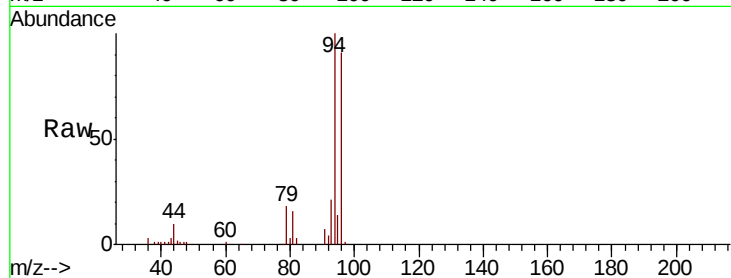
ClientSampleId :

Tot Ion: 94 Resp: 86295

Ion Ratio Lower Upper

94 100

96 91.0 73.3 109.9



#6

Chloroethane

Concen: 51.454 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058232.D

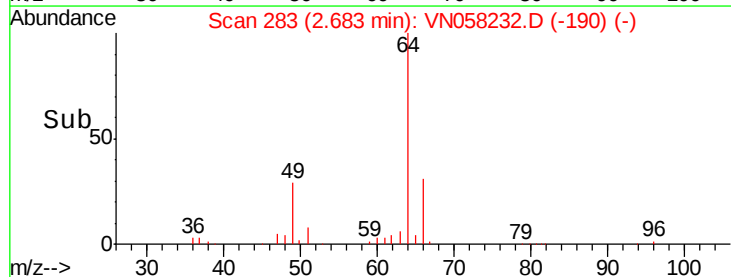
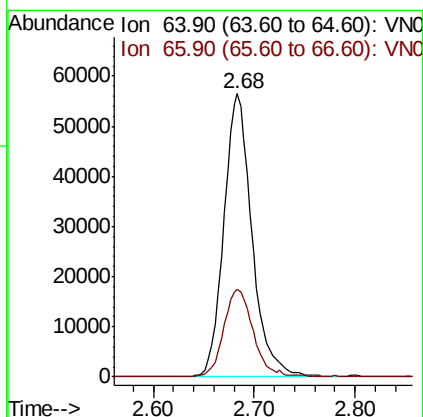
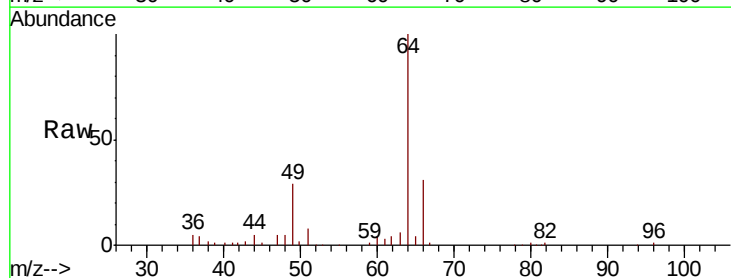
Acq: 20 Sep 2019 1:53

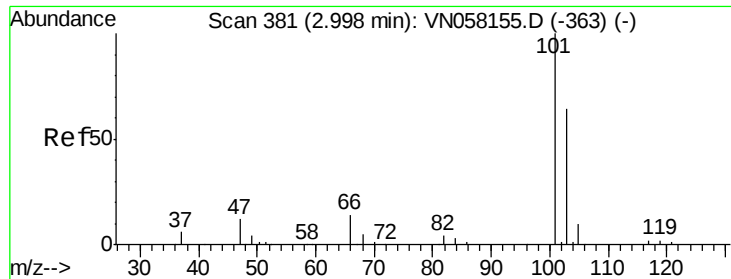
Tgt Ion: 64 Resp: 109998

Ion Ratio Lower Upper

64 100

66 30.8 24.6 37.0



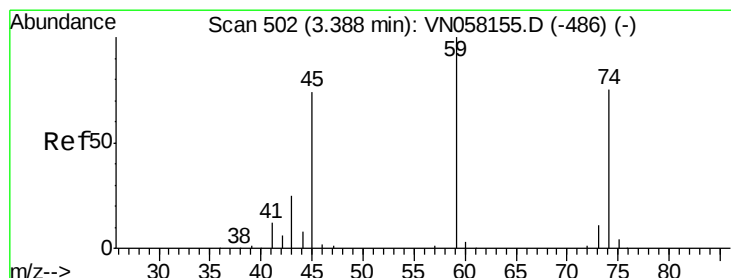
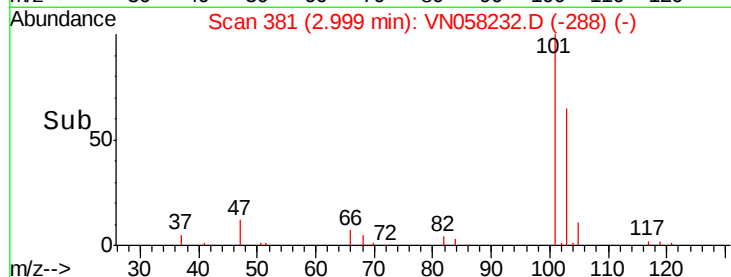
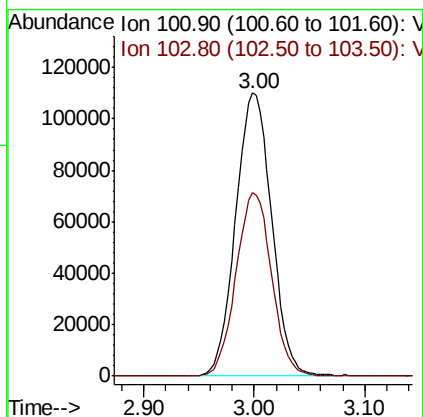
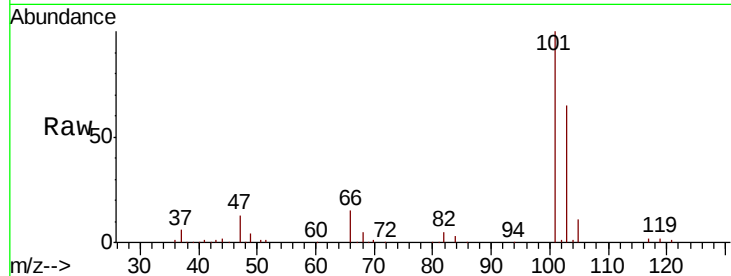


#7

Trichlorofluoromethane
 Concen: 46.060 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampled :

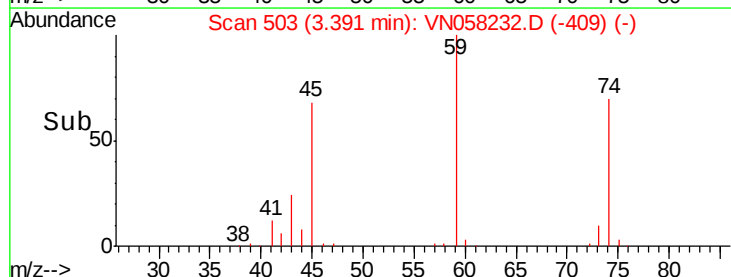
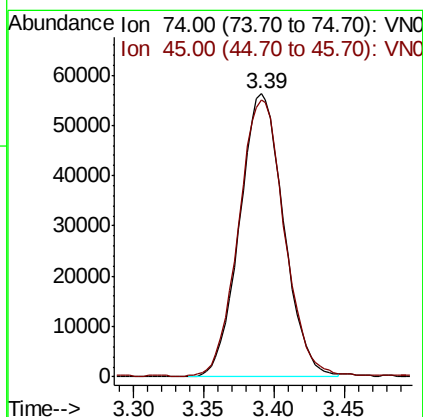
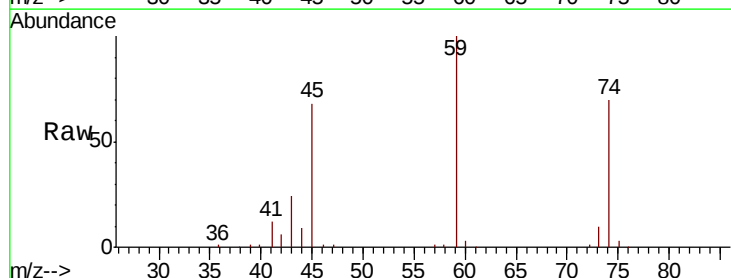
Tot Ion:101 Resp: 249170
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6

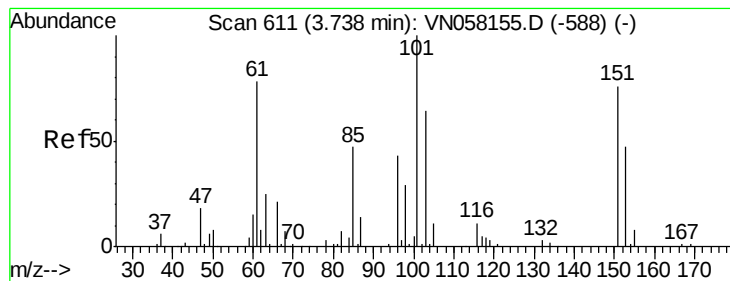


#8

Diethyl Ether
 Concen: 49.560 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 74 Resp: 122846
 Ion Ratio Lower Upper
 74 100
 45 102.1 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.021 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

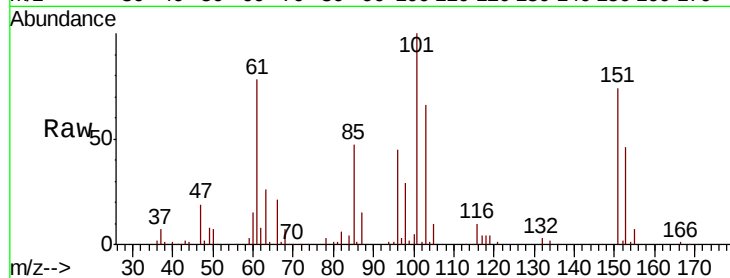
Tot Ion:101 Resp: 183399

Ion Ratio Lower Upper

101 100

85 46.8 37.3 55.9

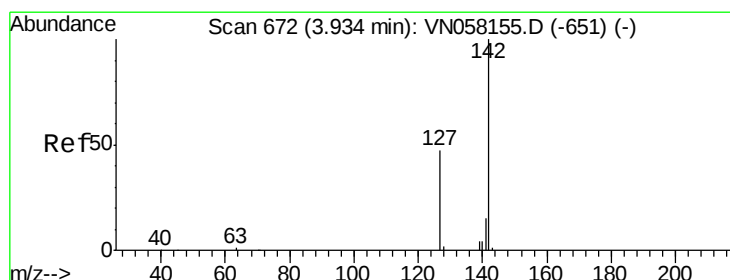
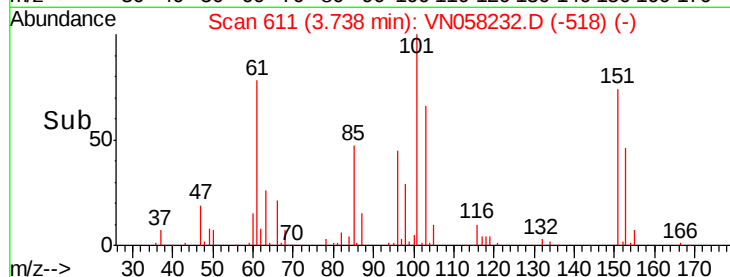
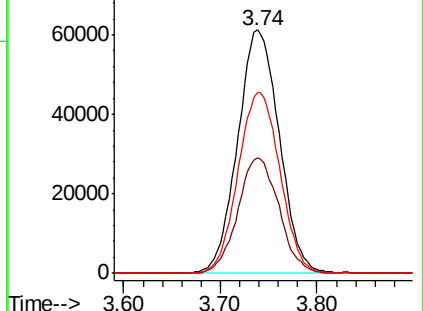
151 74.7 59.6 89.4



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: 43.085 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

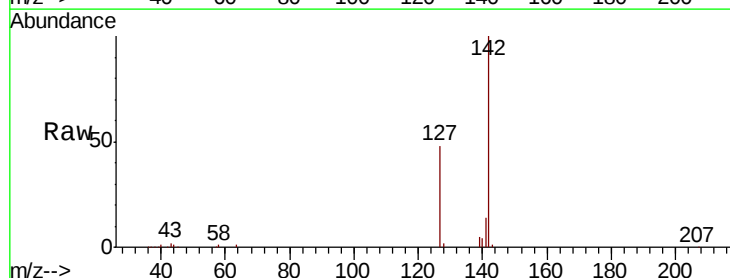
Tgt Ion:142 Resp: 140814

Ion Ratio Lower Upper

142 100

127 45.6 37.5 56.3

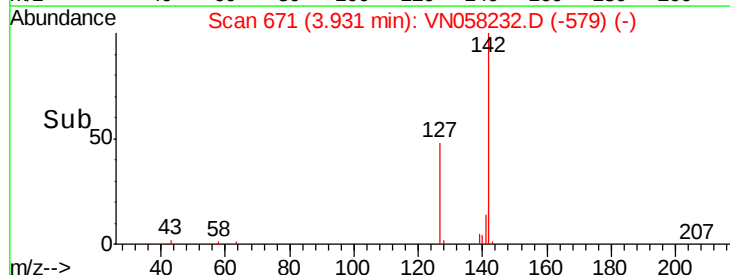
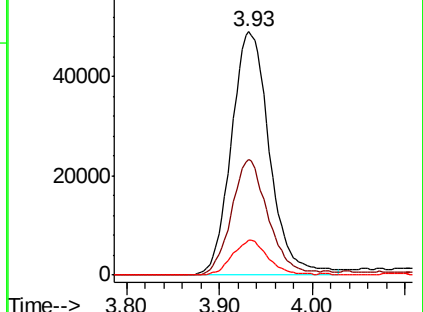
141 13.4 11.4 17.2

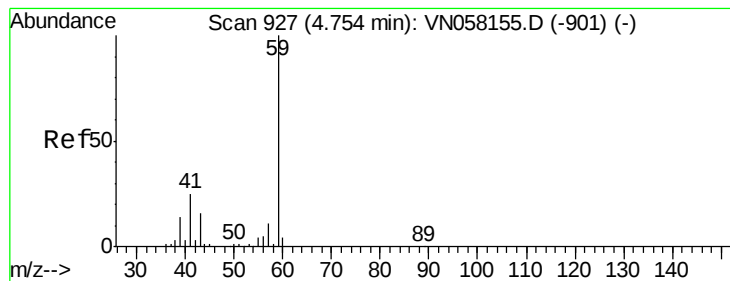


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



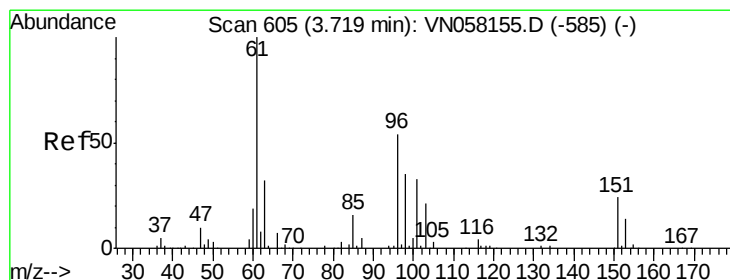
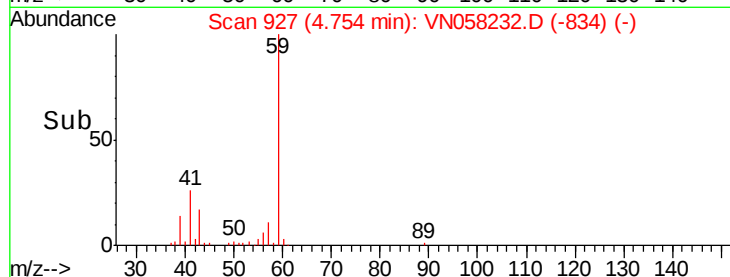
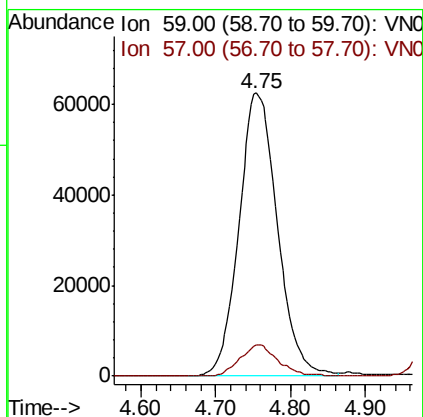
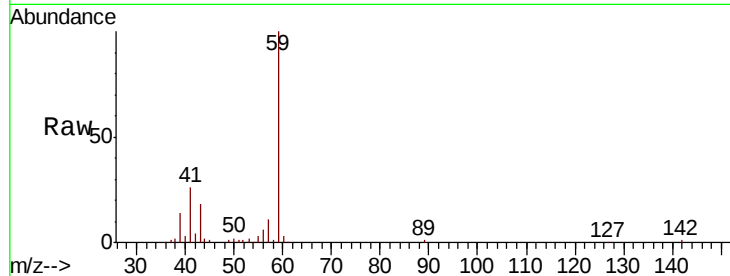


#11

Tert butyl alcohol
 Concen: 279.485 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :

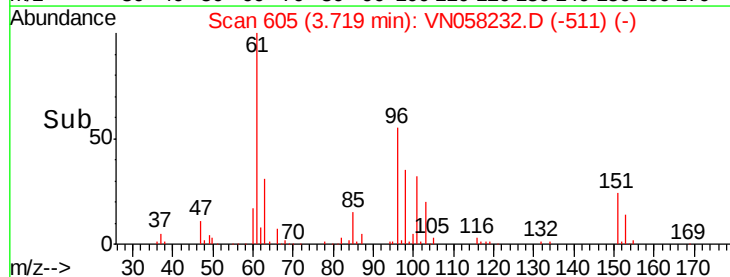
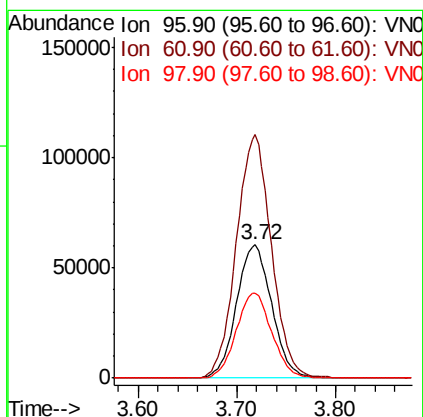
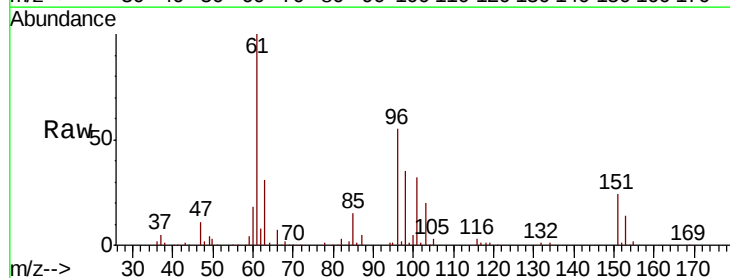
Tot Ion: 59 Resp: 223401
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0



#12

1,1-Dichloroethene
 Concen: 50.559 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 96 Resp: 149641
 Ion Ratio Lower Upper
 96 100
 61 183.1 149.5 224.3
 98 64.0 52.4 78.6





#13

Acrolein

Concen: 268.391 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

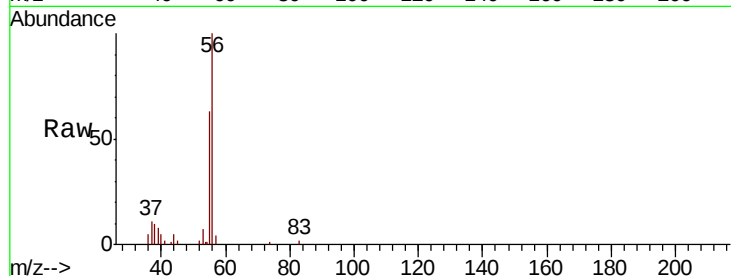
ClientSampleId :

Tot Ion: 56 Resp: 31793

Ion Ratio Lower Upper

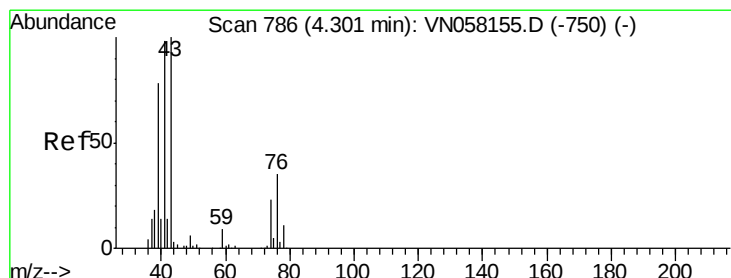
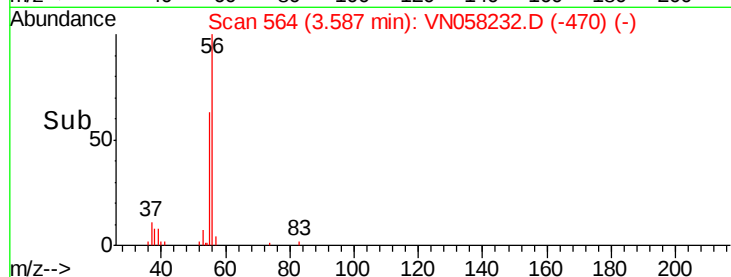
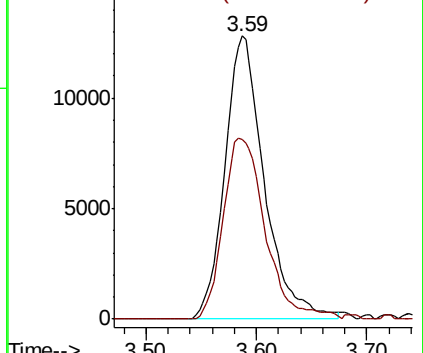
56 100

55 67.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN058155.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN058155.D (-549) (-)



#14

Allyl chloride

Concen: 43.299 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

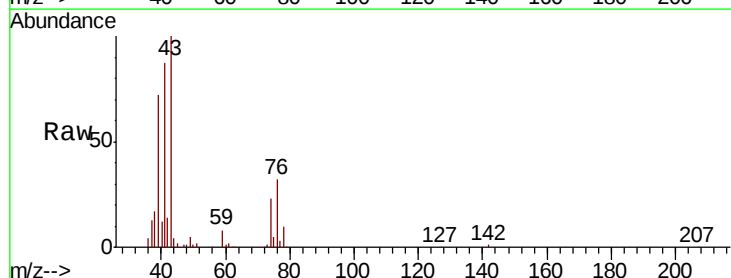
Tgt Ion: 41 Resp: 276343

Ion Ratio Lower Upper

41 100

39 84.8 59.1 88.7

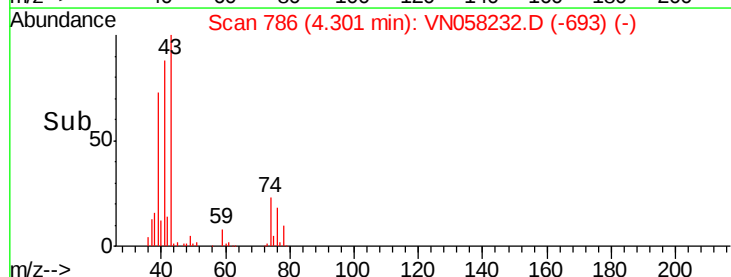
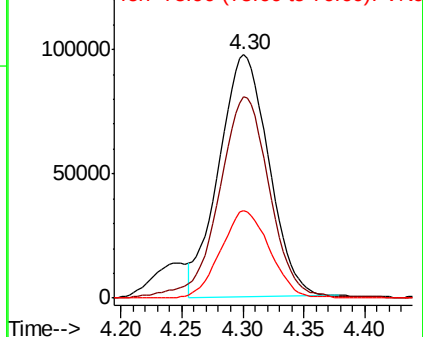
76 35.6 25.1 37.7

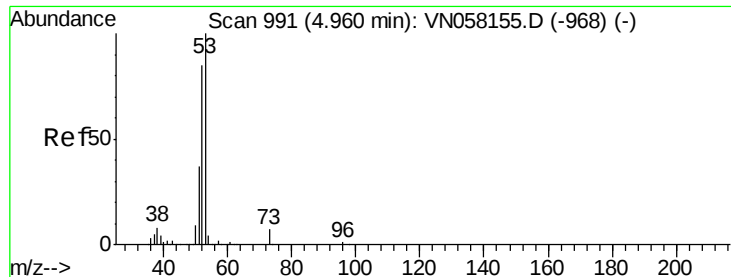


Abundance Ion 41.00 (40.70 to 41.70): VN058155.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN058155.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN058155.D (-750) (-)





#15

Acrylonitrile

Concen: 274.464 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

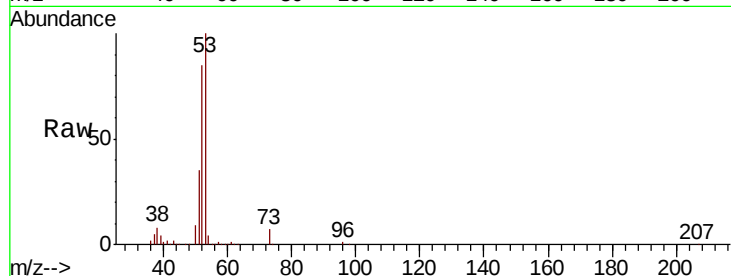
Tot Ion: 53 Resp: 584510

Ion Ratio Lower Upper

53 100

52 84.1 66.6 100.0

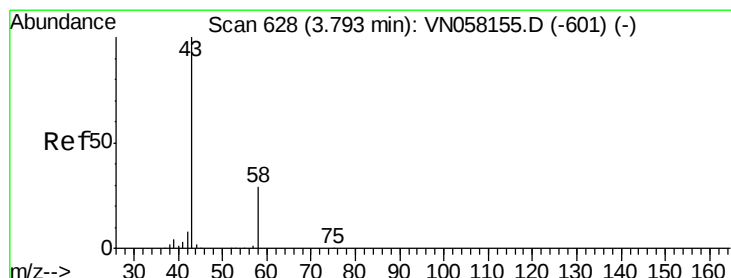
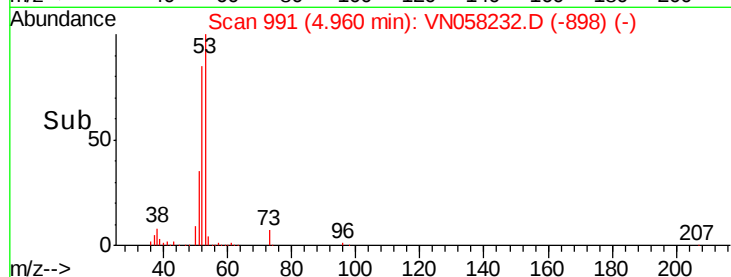
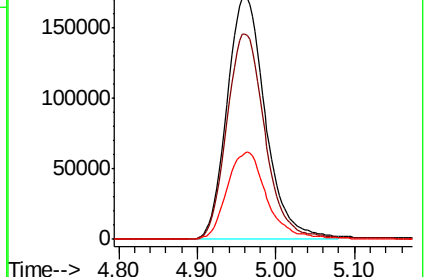
51 37.3 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN058155.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058155.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058155.D (-968) (-)



#16

Acetone

Concen: 218.106 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058232.D

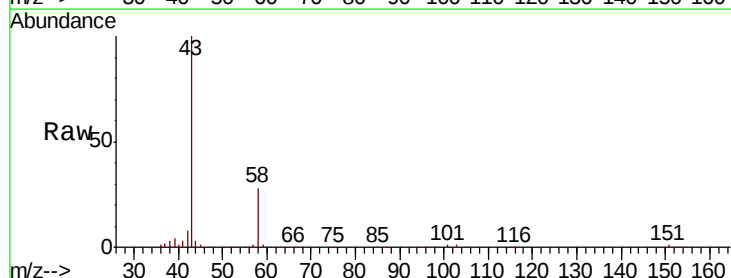
Acq: 20 Sep 2019 1:53

Tgt Ion: 43 Resp: 497489

Ion Ratio Lower Upper

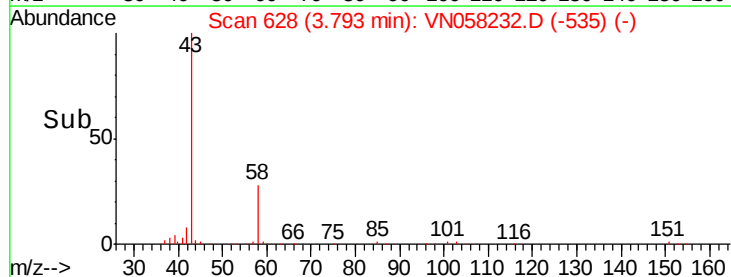
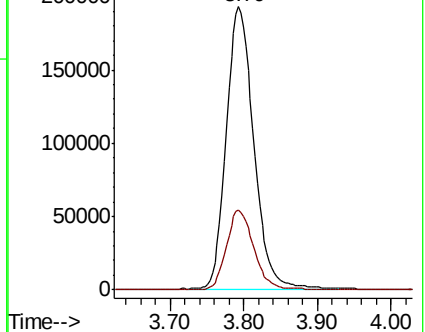
43 100

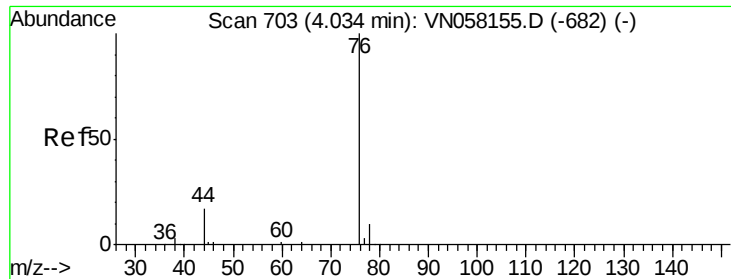
58 28.0 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-601) (-)

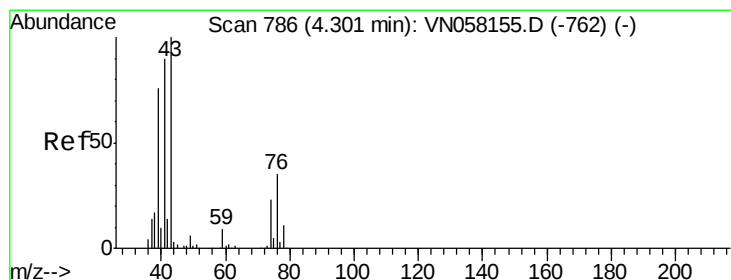
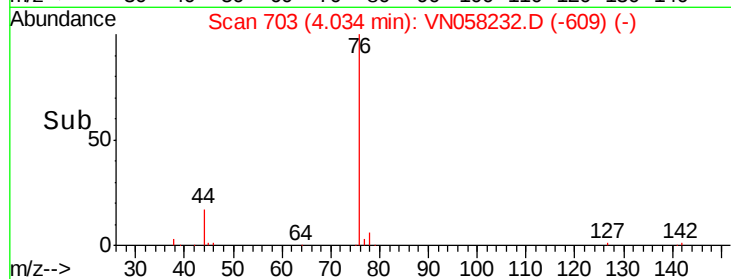
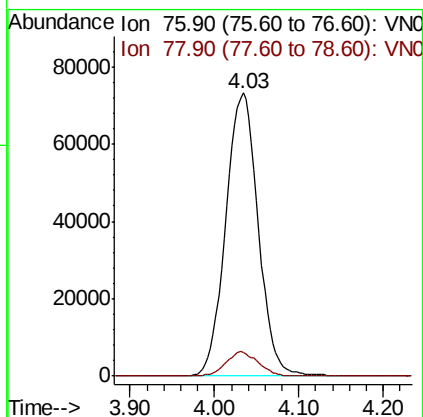
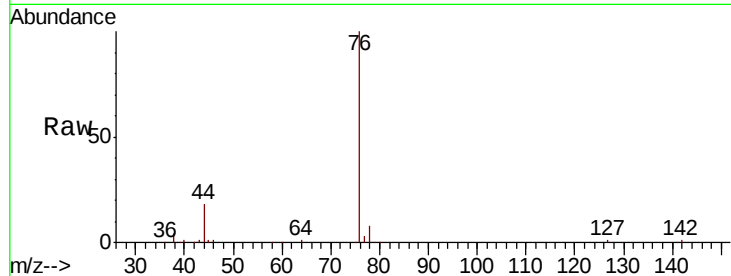




#17
Carbon Disulfide
Concen: 47.079 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

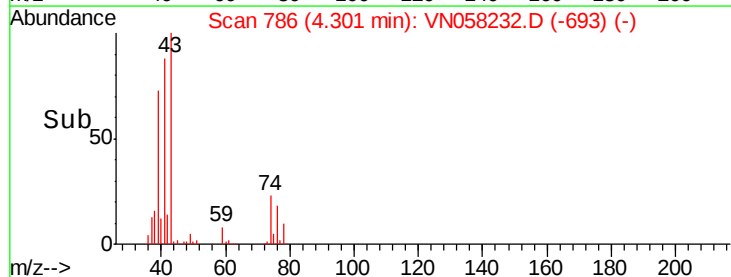
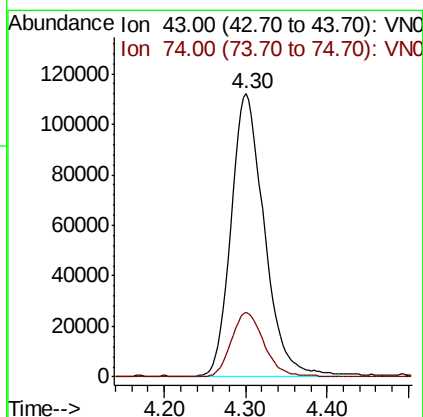
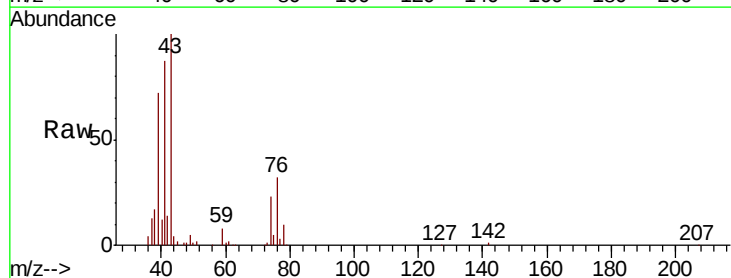
Instrument :
MSVOA_N
ClientSampled :

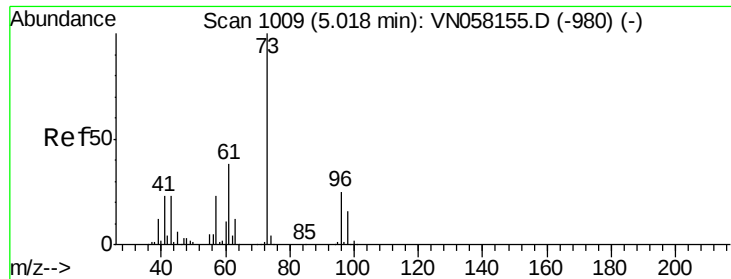
Tot Ion: 76 Resp: 196082
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5



#18
Methyl Acetate
Concen: 52.733 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 43 Resp: 316500
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0

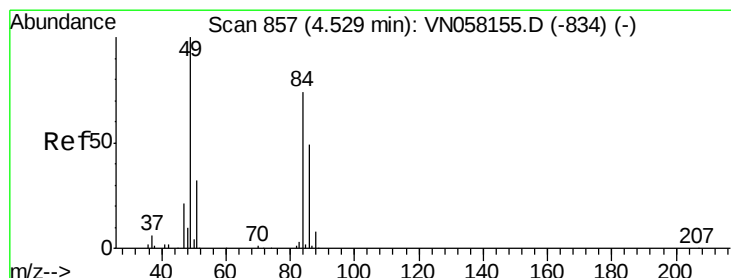
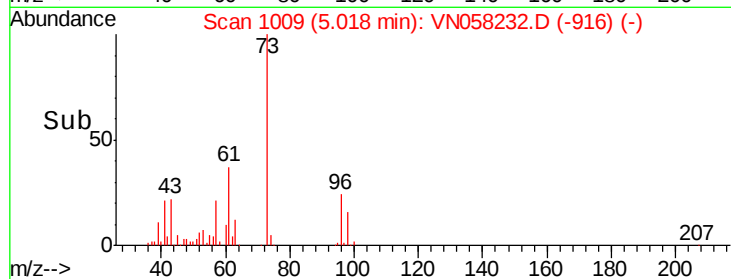
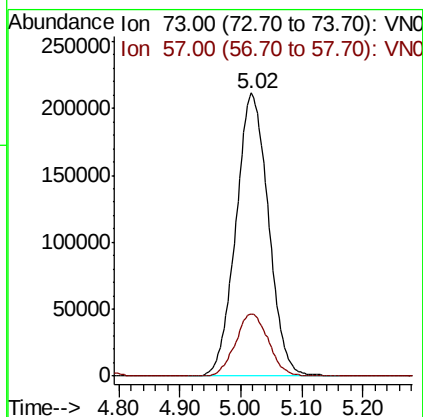
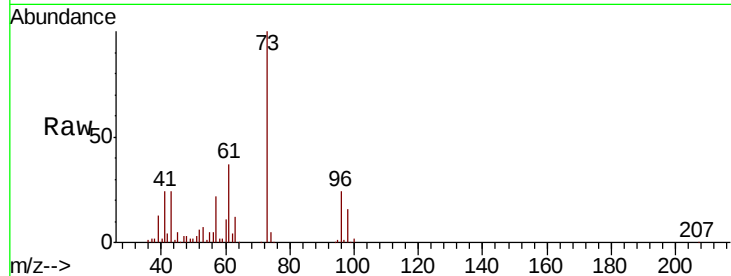




#19
Methvl tert-butvl Ether
Concen: 53.230 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

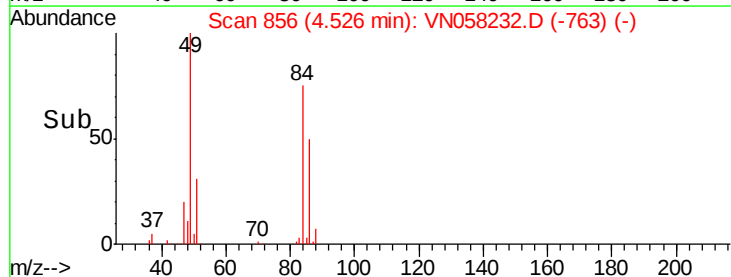
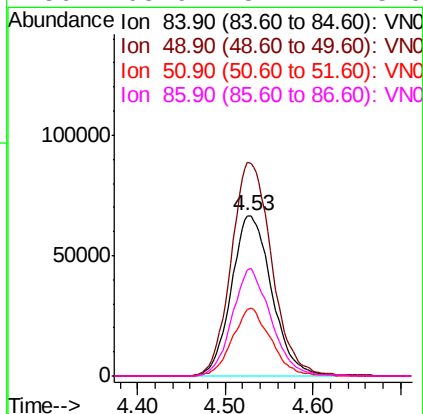
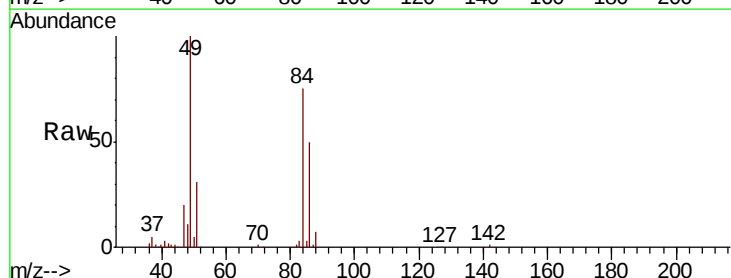
Instrument :
MSVOA_N
ClientSampleId :

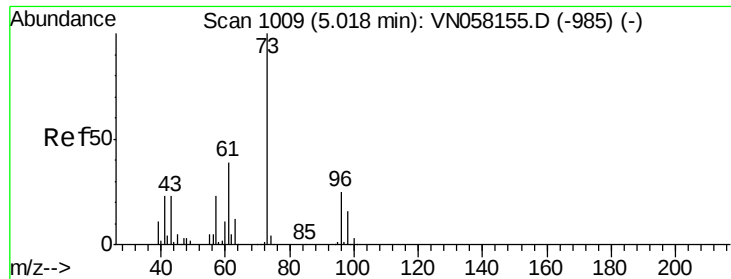
Tot Ion: 73 Resp: 783070
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1



#20
Methylene Chloride
Concen: 53.423 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 84 Resp: 213283
Ion Ratio Lower Upper
84 100
49 133.0 107.5 161.3
51 41.3 33.9 50.9
86 65.9 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 50.251 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

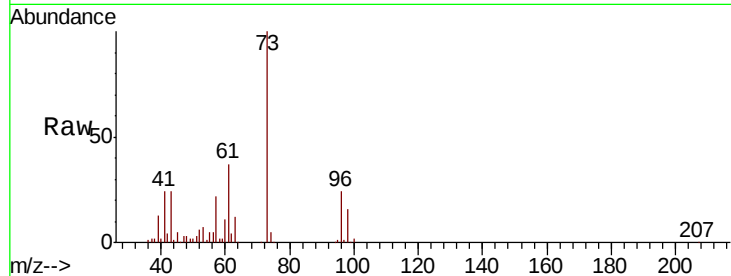
Tot Ion: 96 Resp: 162074

Ion Ratio Lower Upper

96 100

61 155.5 122.2 183.4

98 66.0 49.9 74.9

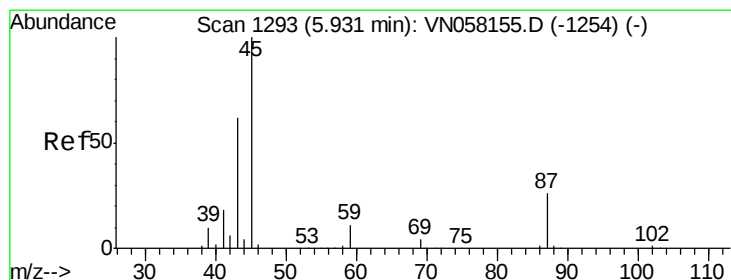
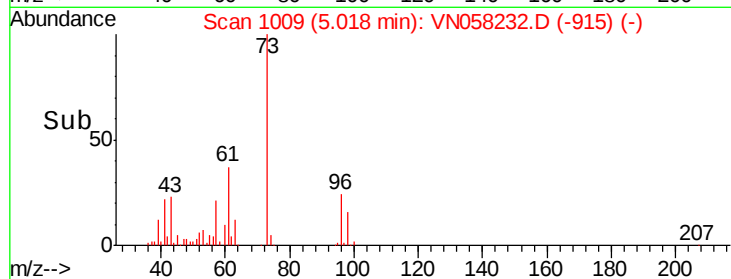
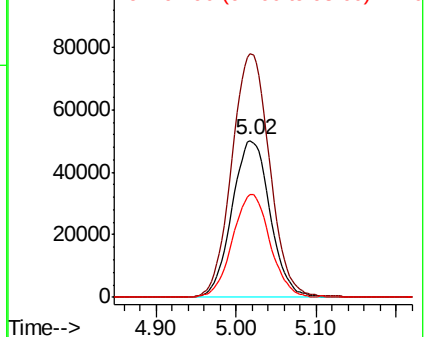


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.451 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Tgt Ion: 45 Resp: 850354

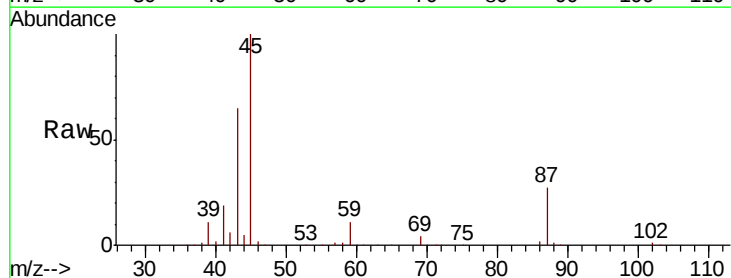
Ion Ratio Lower Upper

45 100

43 64.0 49.7 74.5

87 26.6 20.7 31.1

59 10.8 9.1 13.7



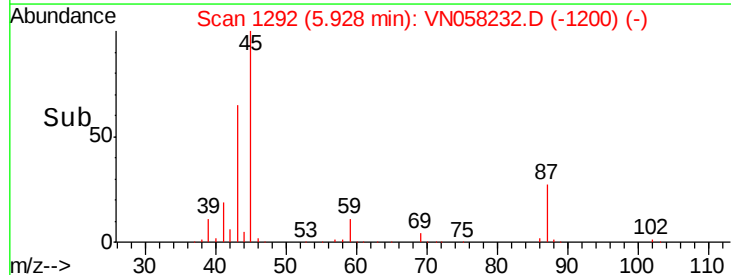
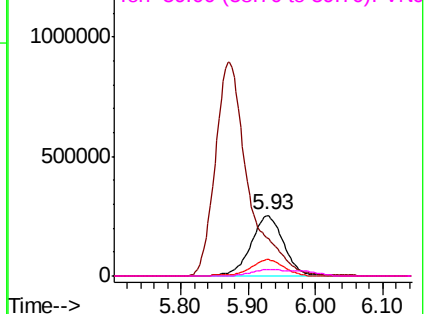
Abundance

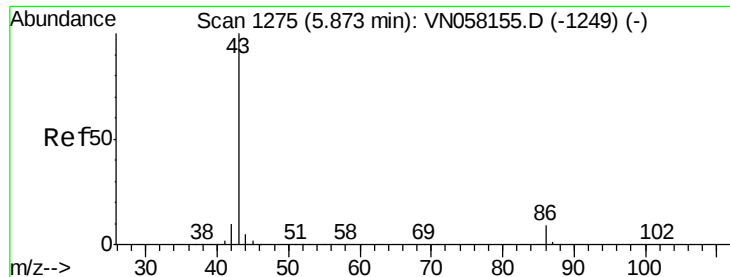
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

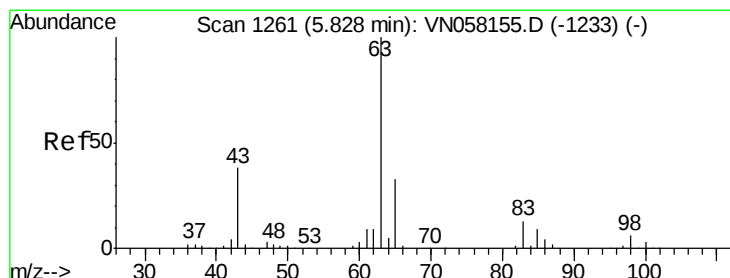
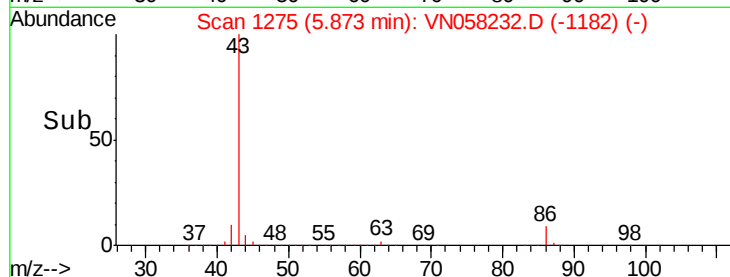
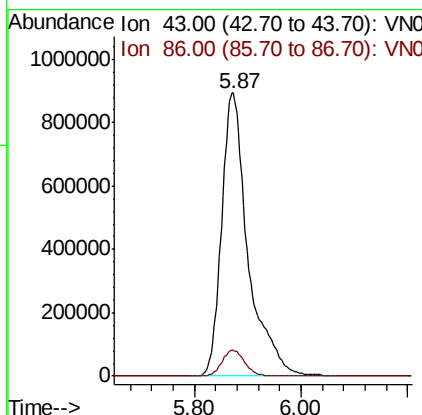
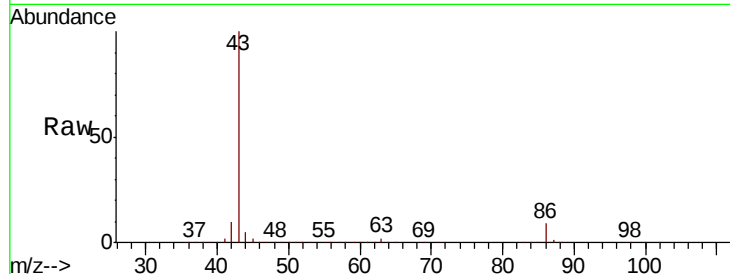




#23
 Vinyl Acetate
 Concen: 276.914 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

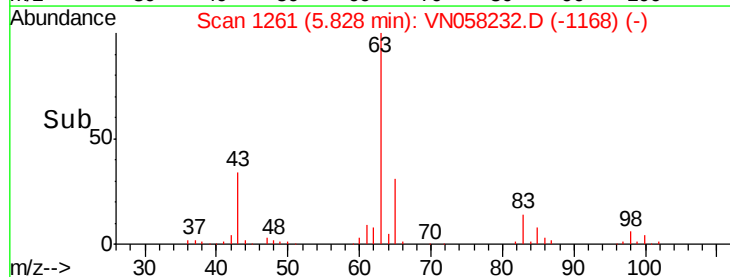
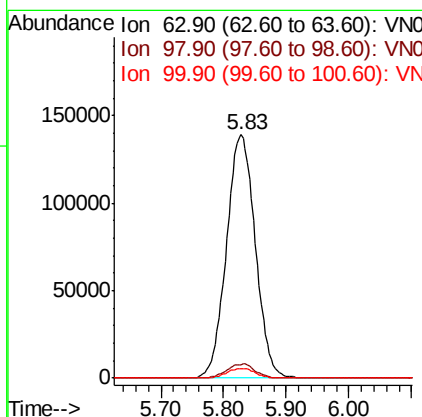
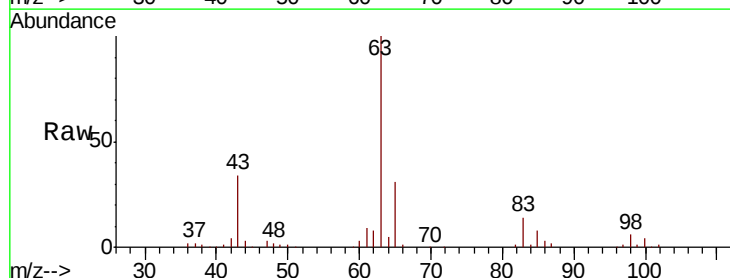
Instrument :
 MSVOA_N
 ClientSampled :

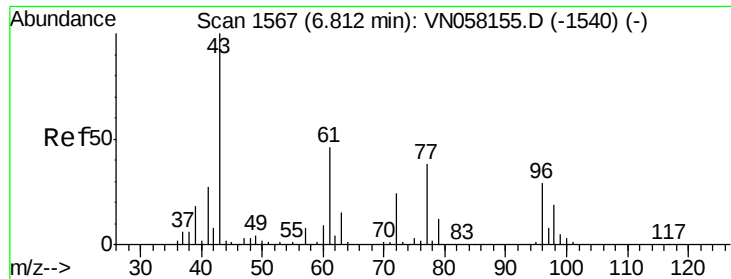
Tot Ion: 43 Resp: 3071910
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 51.151 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 63 Resp: 442596
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 4.0 1.8 5.3

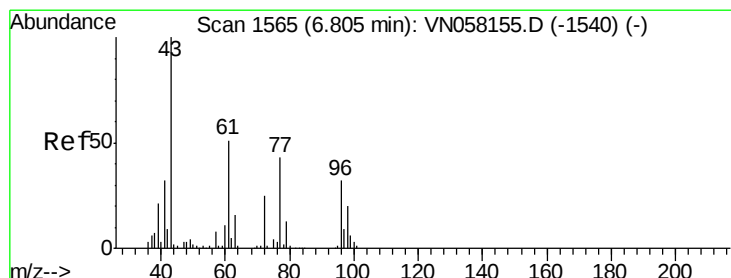
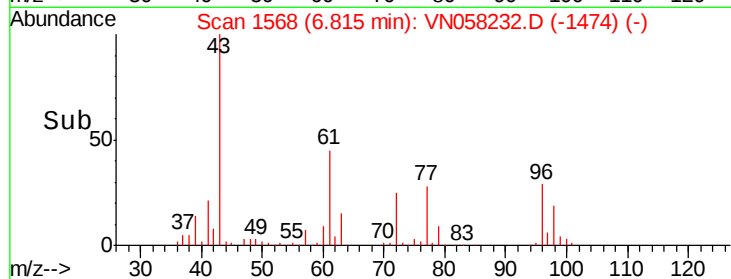
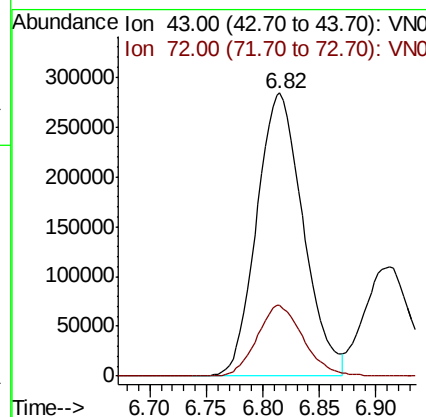
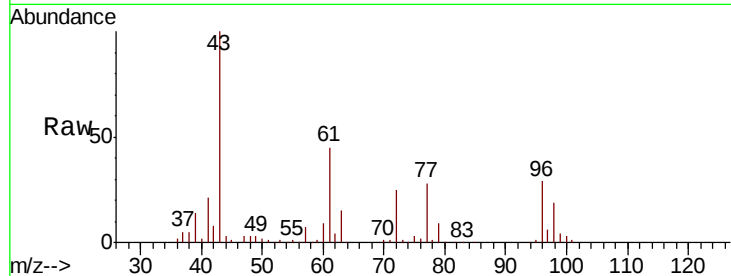




#25
 2-Butanone
 Concen: 259.515 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

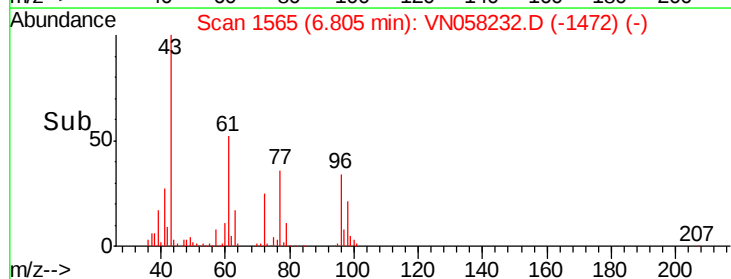
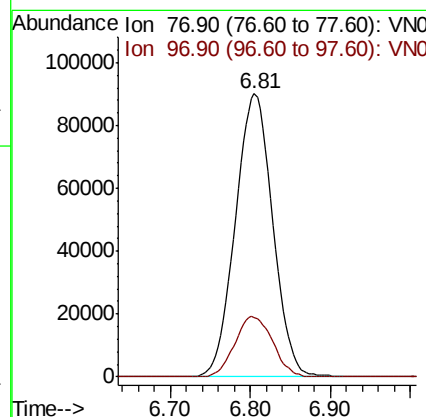
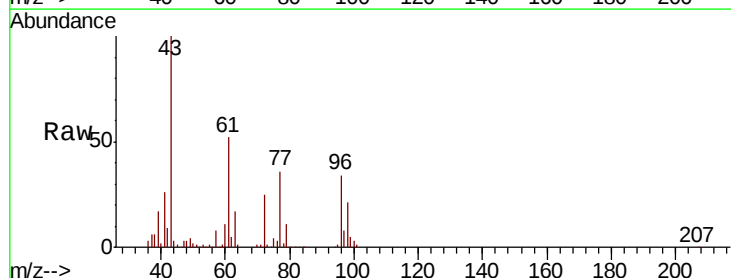
Instrument :
 MSVOA_N
 ClientSampled :

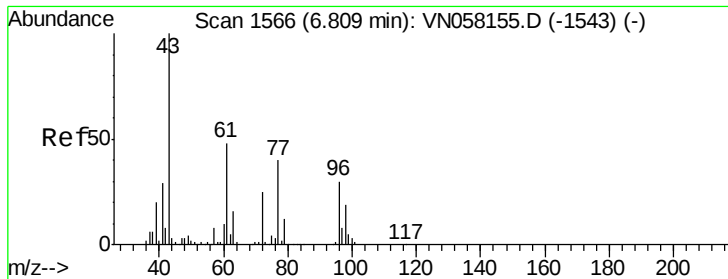
Tot Ion: 43 Resp: 806449
 Ion Ratio Lower Upper
 43 100
 72 24.9 19.5 29.3



#26
 2,2-Dichloropropane
 Concen: 38.839 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 77 Resp: 285107
 Ion Ratio Lower Upper
 77 100
 97 21.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 50.537 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :

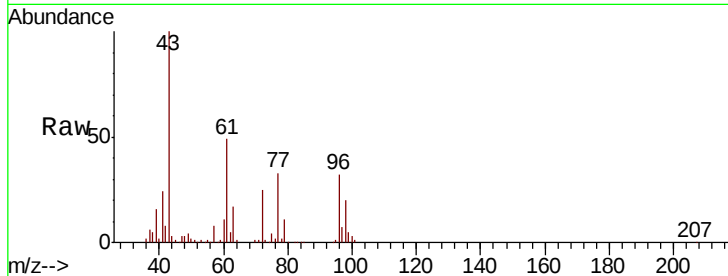
Tot Ion: 96 Resp: 247254

Ion Ratio Lower Upper

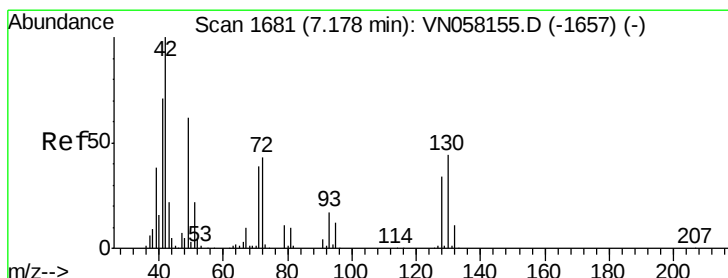
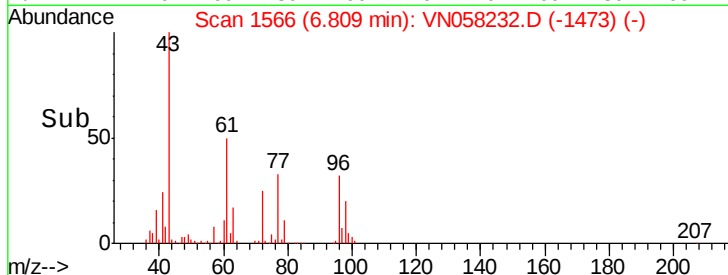
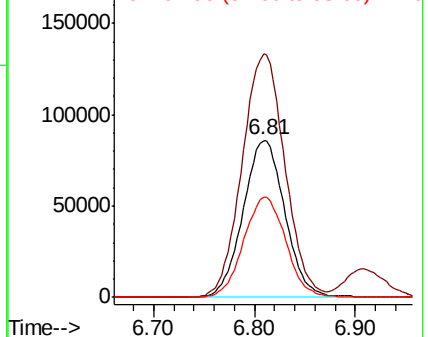
96 100

61 158.5 0.0 319.0

98 64.4 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: 53.991 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

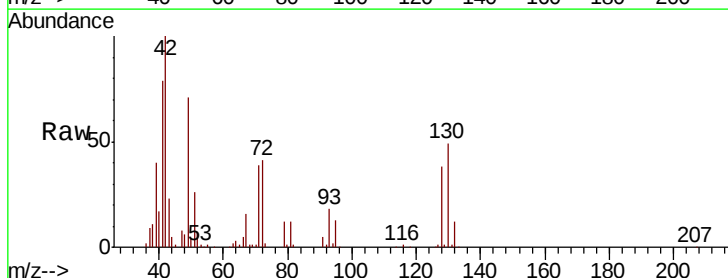
Tgt Ion: 49 Resp: 221003

Ion Ratio Lower Upper

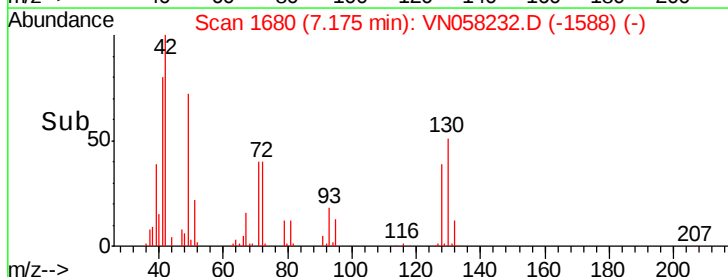
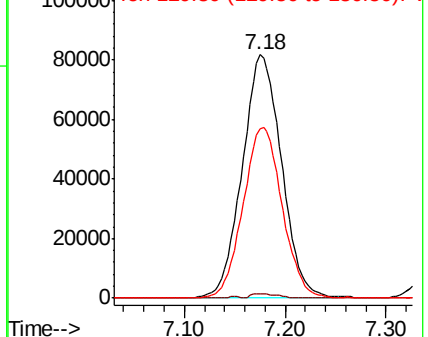
49 100

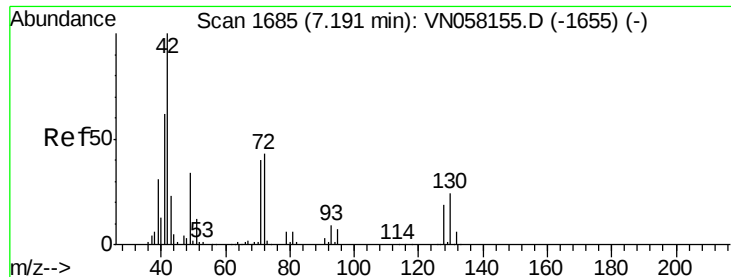
129 1.2 0.0 1.8

130 69.6 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

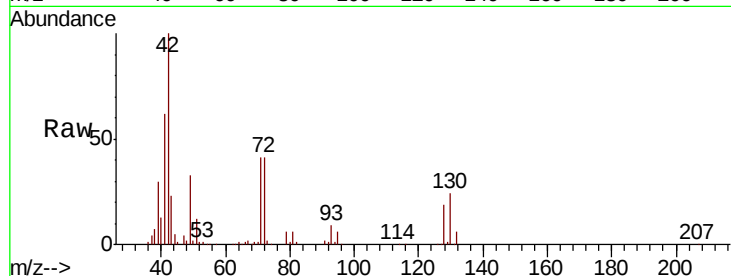




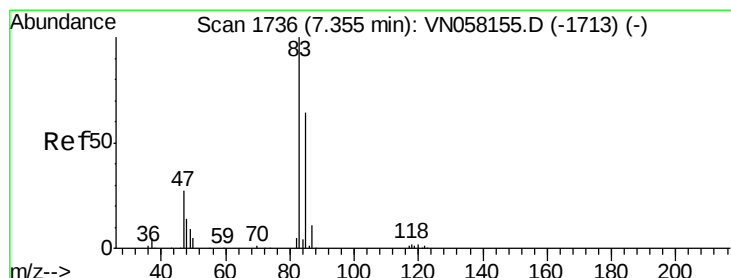
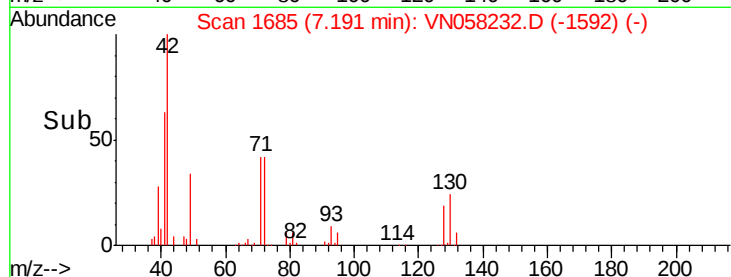
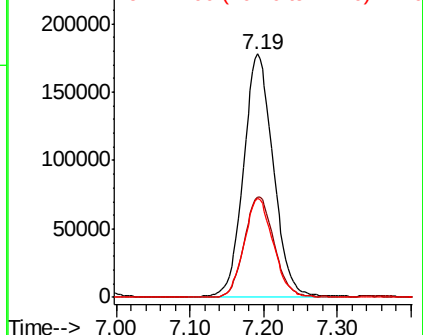
#29
Tetrahydrofuran
Concen: 261.332 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 500229
Ion Ratio Lower Upper
42 100
72 41.5 33.8 50.6
71 40.0 31.4 47.0

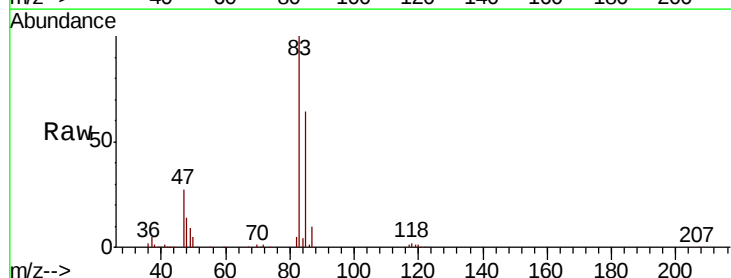


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

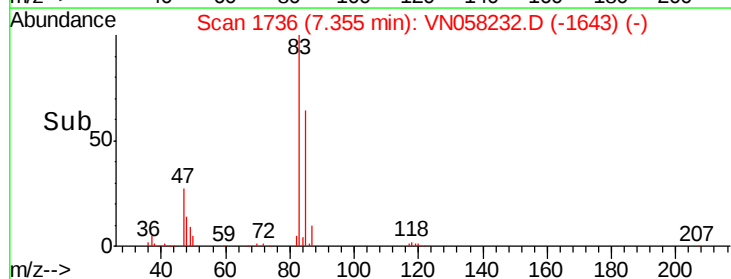
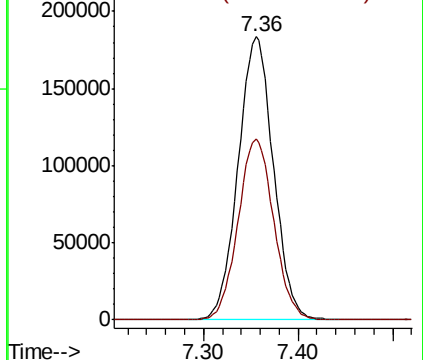


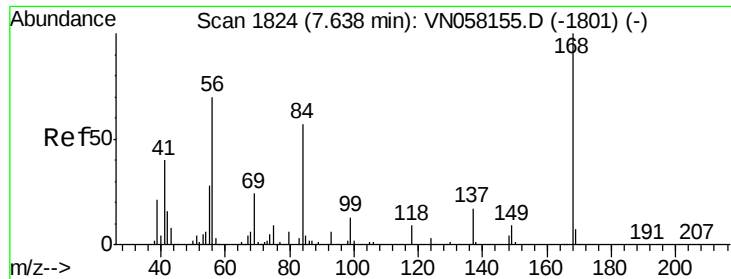
#30
Chloroform
Concen: 51.046 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 83 Resp: 475437
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.2



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

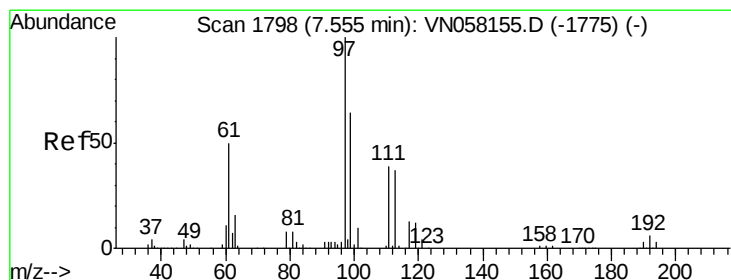
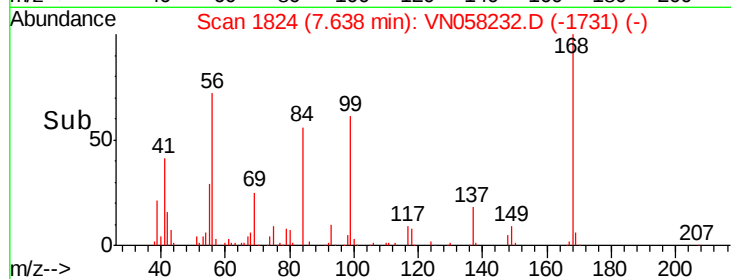
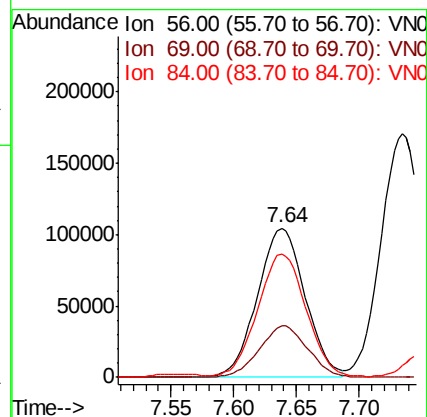
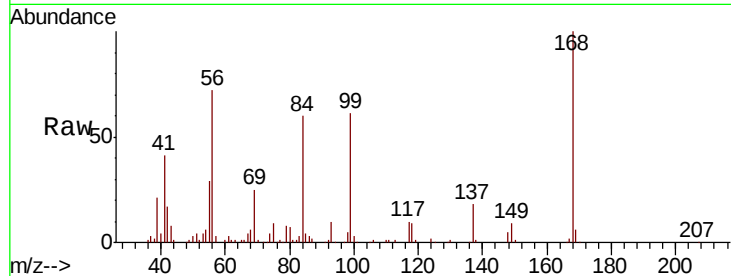




#31
Cyclohexane
Concen: 49.463 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

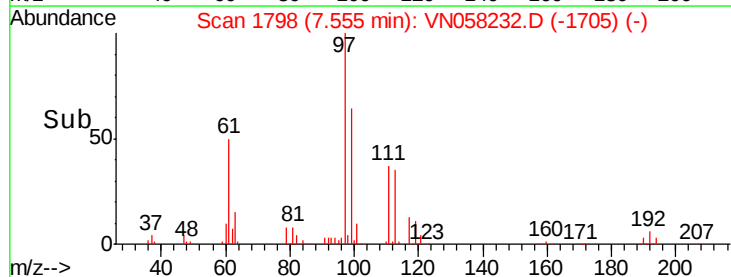
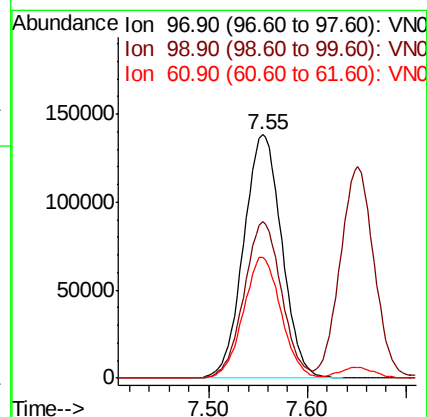
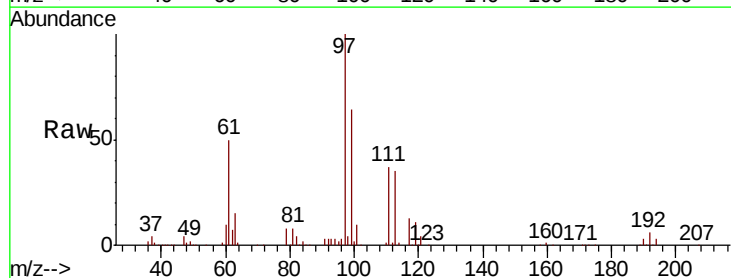
Instrument :
MSVOA_N
ClientSampleId :

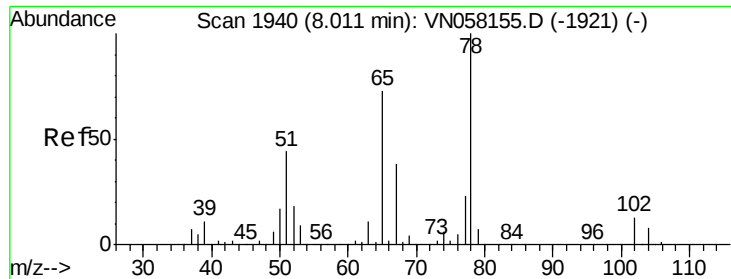
Tot Ion: 56 Resp: 276799
Ion Ratio Lower Upper
56 100
69 34.4 27.3 40.9
84 80.8 65.0 97.4



#32
1,1,1-Trichloroethane
Concen: 52.283 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 97 Resp: 370710
Ion Ratio Lower Upper
97 100
99 63.1 50.9 76.3
61 48.9 39.2 58.8

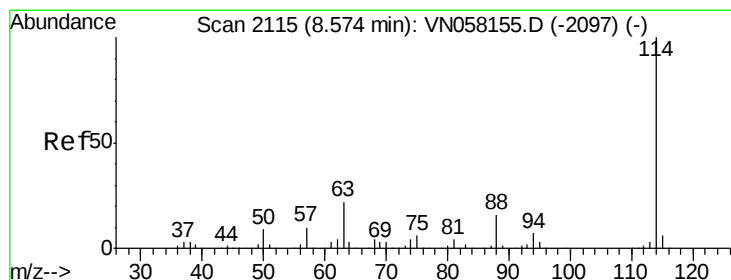
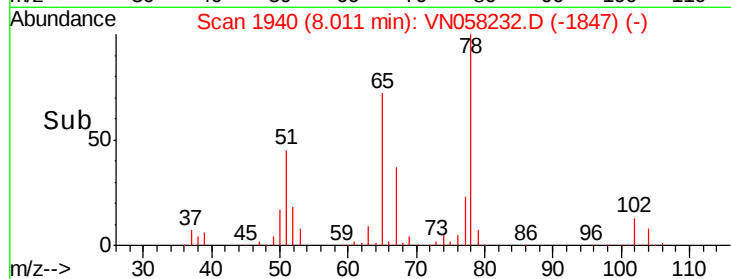
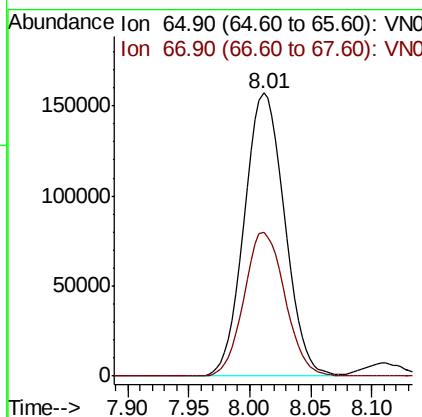
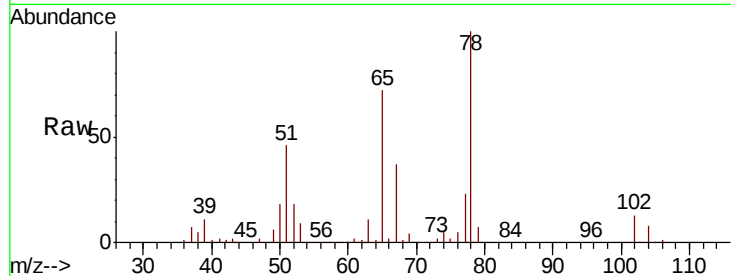




#33
 1,2-Dichloroethane-d4
 Concen: 53.624 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

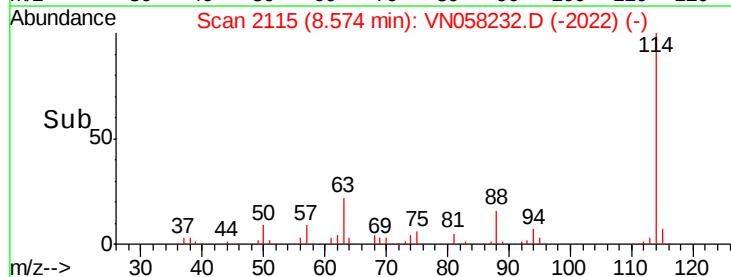
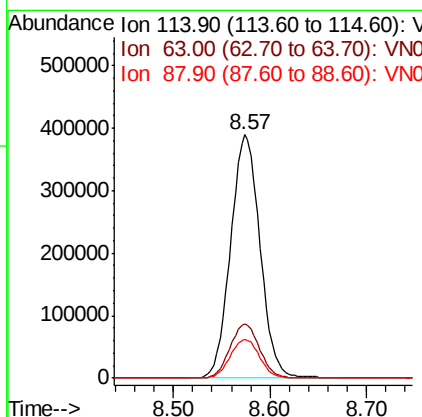
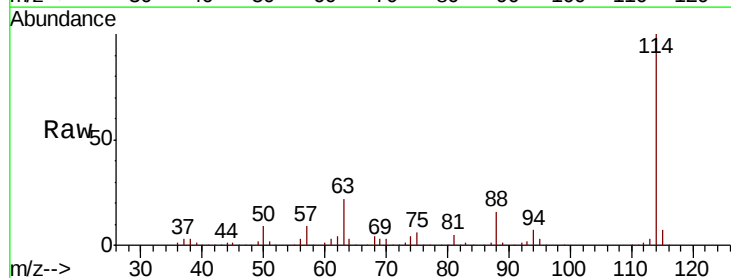
Instrument :
 MSVOA_N
 ClientSampled :

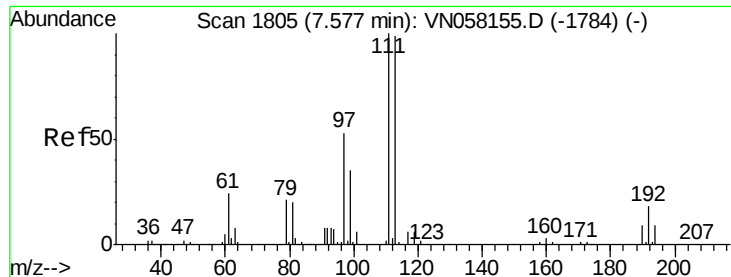
Tot Ion: 65 Resp: 360342
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 114 Resp: 823210
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.2
 88 15.8 0.0 31.6

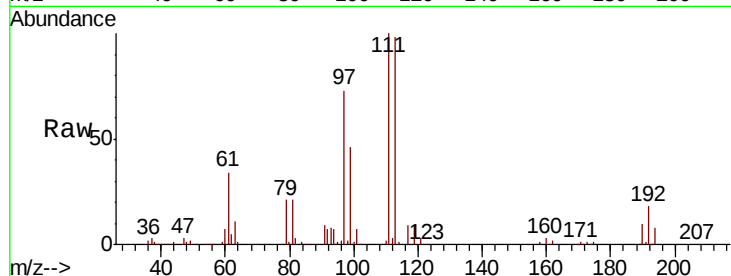




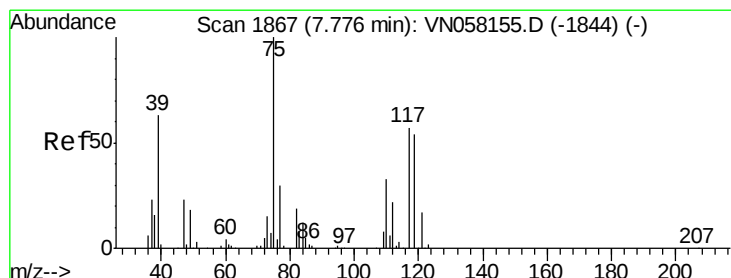
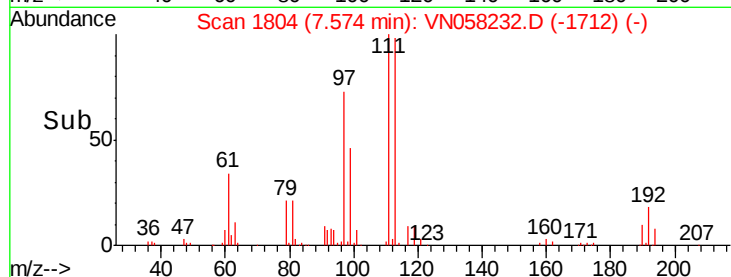
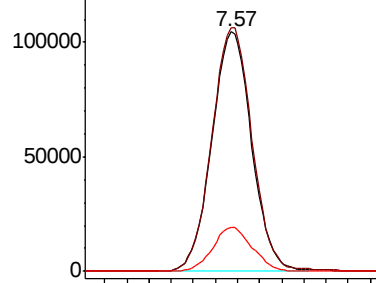
#35
 Dibromofluoromethane
 Concen: 52.283 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.2	14.5	21.7

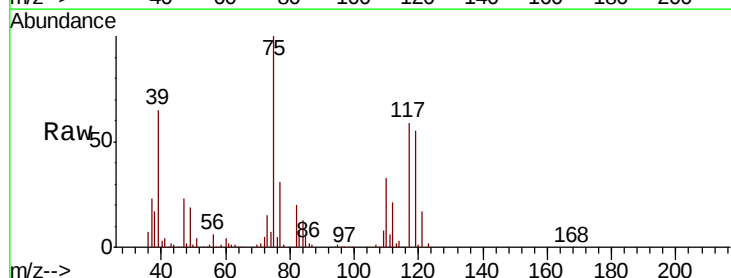


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

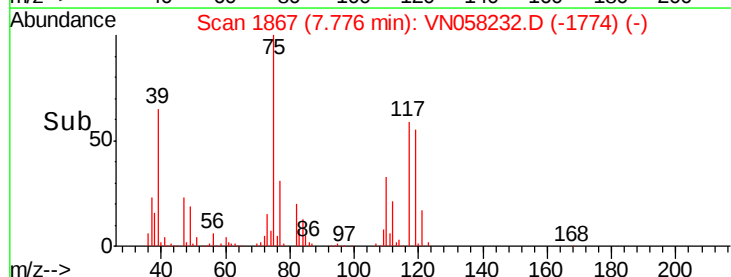
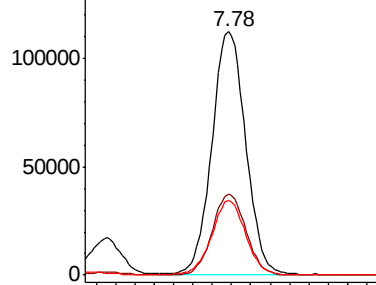


#36
 1,1-Dichloropropene
 Concen: 45.964 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.7
77	31.0	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

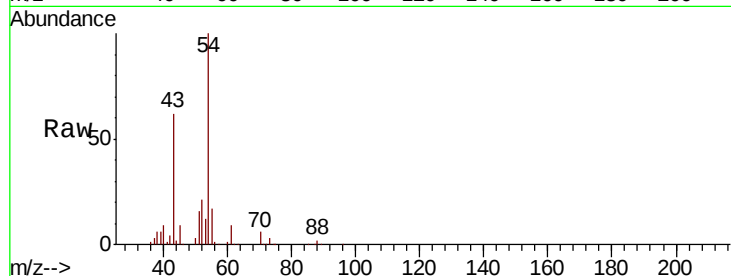




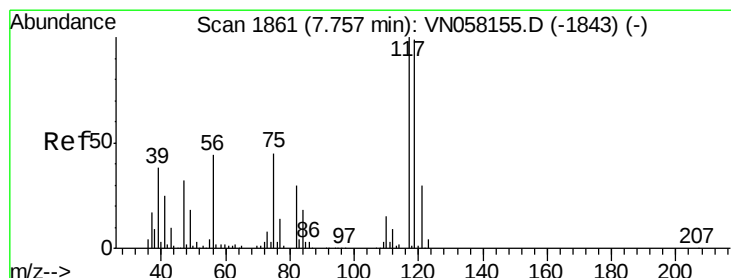
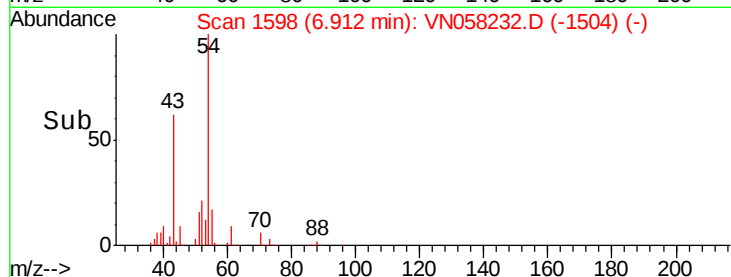
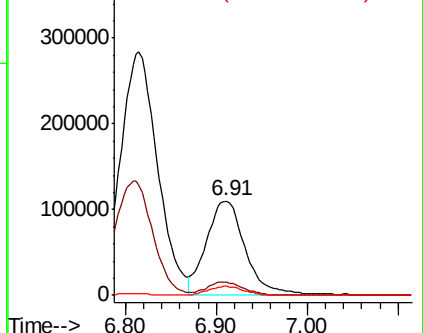
#37
Ethyl Acetate
Concen: 52.002 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 320375
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 9.2 7.6 11.4

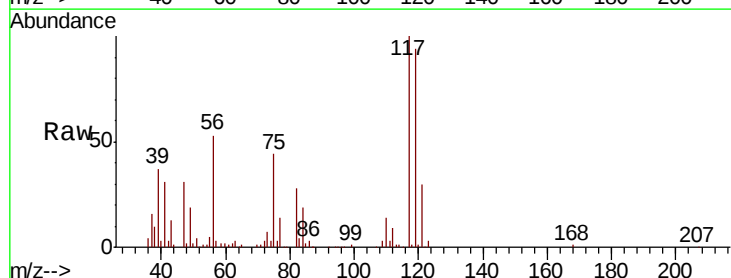


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

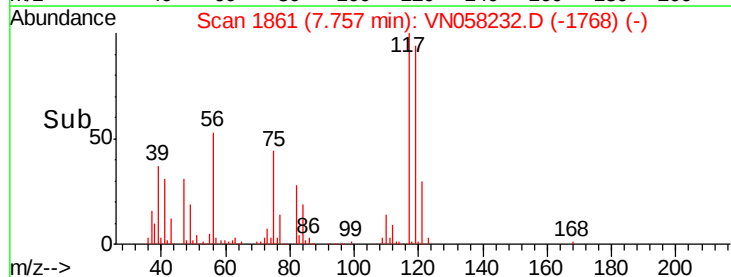
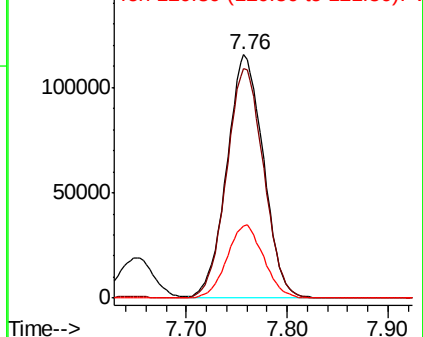


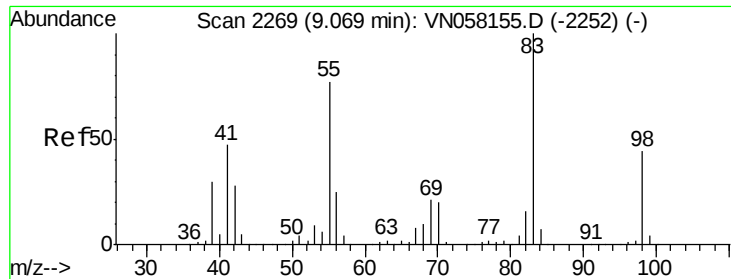
#38
Carbon Tetrachloride
Concen: 48.706 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 117 Resp: 290659
Ion Ratio Lower Upper
117 100
119 94.3 78.6 117.8
121 29.7 24.1 36.1



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

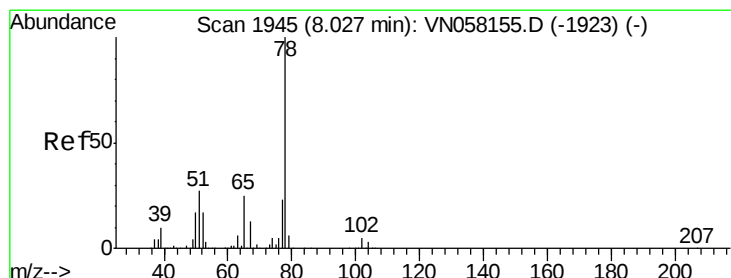
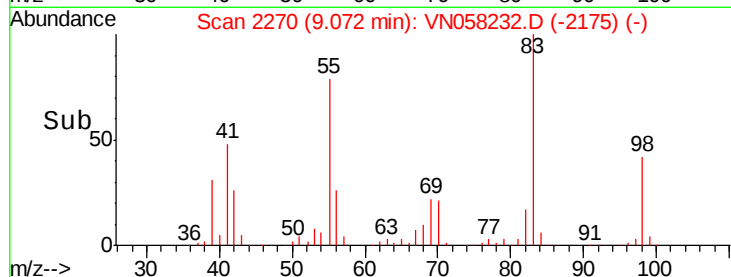
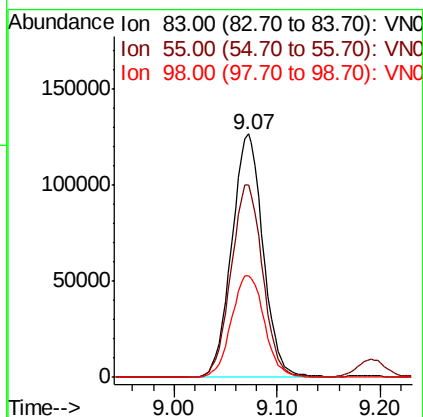
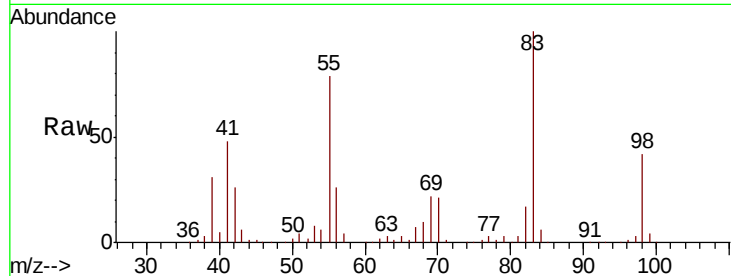




#39
Methvlcvclohexane
Concen: 46.818 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

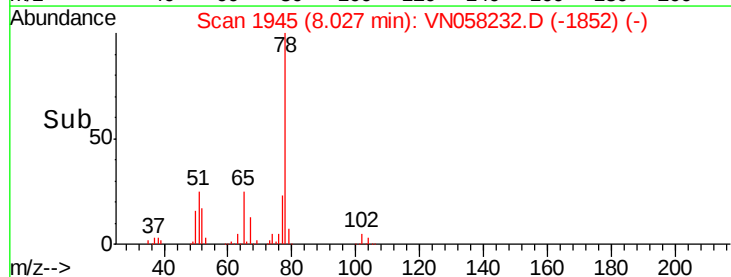
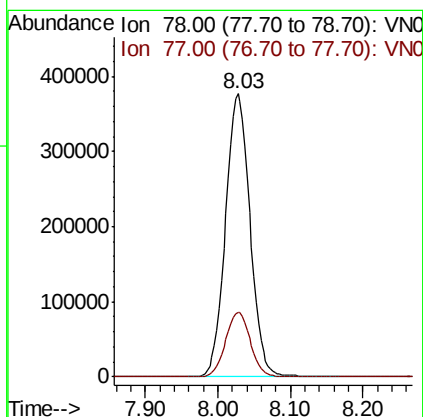
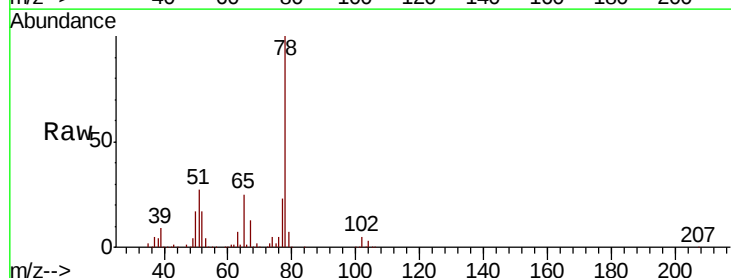
Instrument :
MSVOA_N
ClientSampleId :

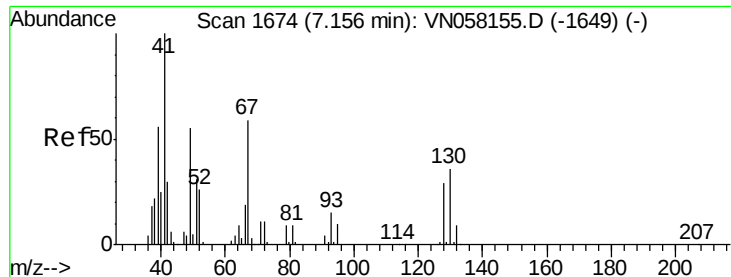
Tot Ion: 83 Resp: 268706
Ion Ratio Lower Upper
83 100
55 79.0 61.9 92.9
98 41.7 35.4 53.2



#40
Benzene
Concen: 48.834 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 78 Resp: 885468
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

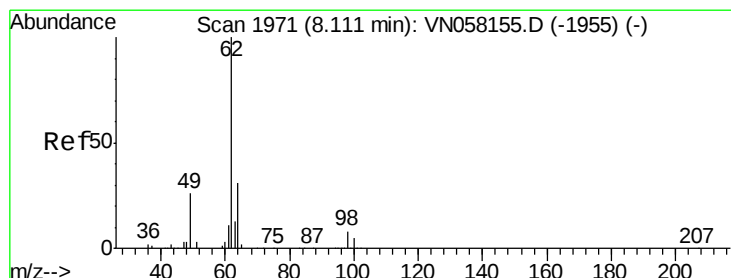
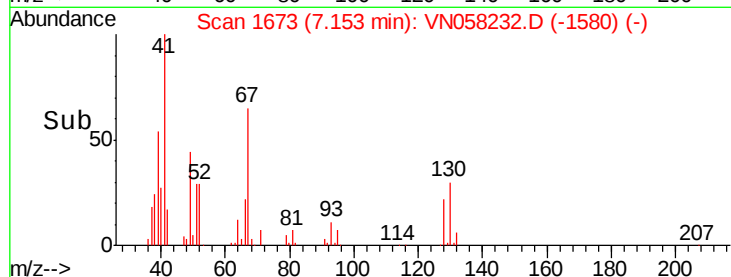
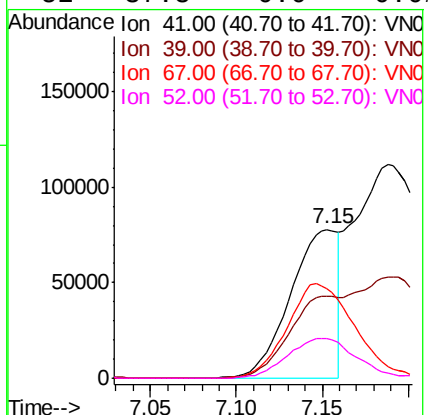
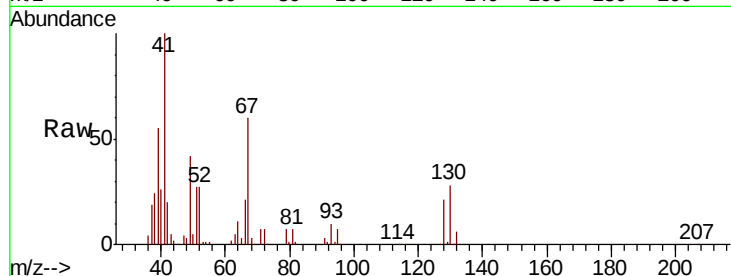




#41
Methacrylonitrile
Concen: 48.474 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

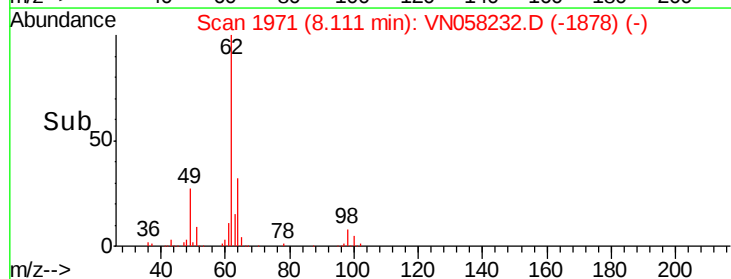
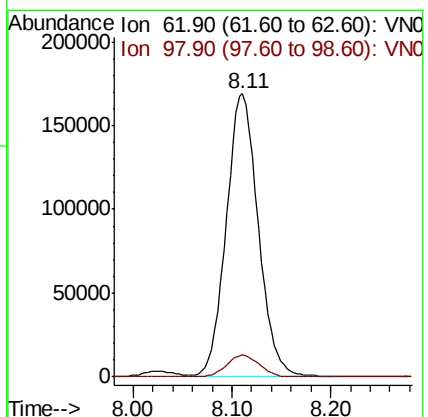
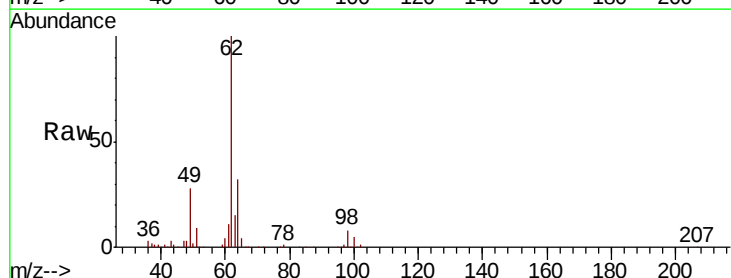
Instrument :
MSVOA_N
ClientSampled :

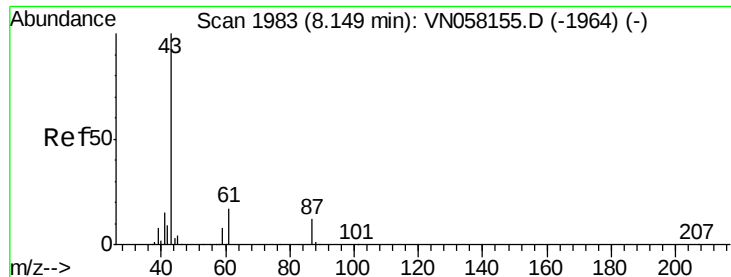
Tot Ion:	41	Resp:	150359
Ion	Ratio	Lower	Upper
41	100		
39	56.4	0.0	0.0#
67	90.2	0.0	0.0#
52	37.8	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 50.151 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion:	62	Resp:	381567
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6



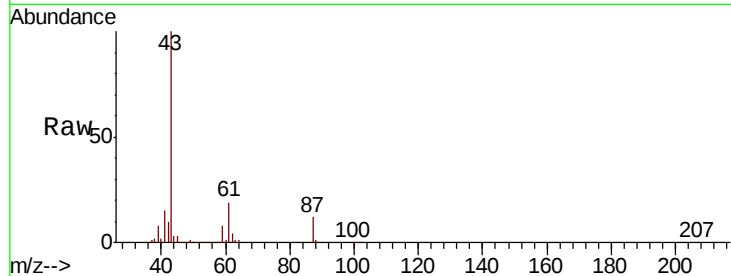


#43

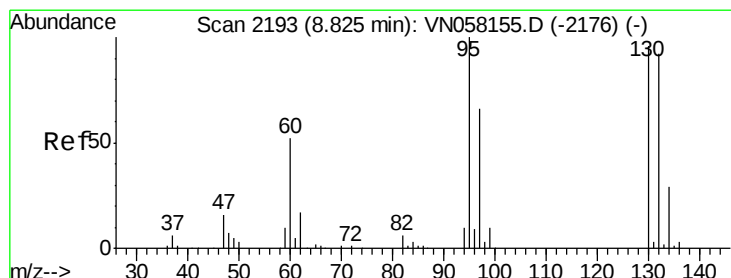
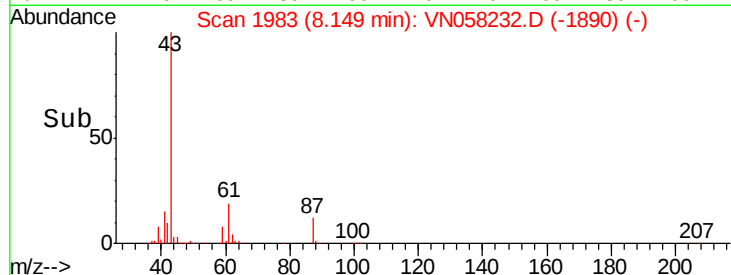
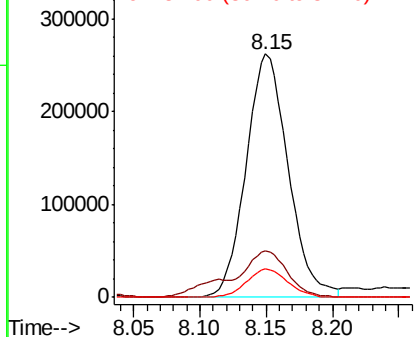
Isopropyl Acetate
 Concen: 50.141 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	Resp	576923
Ion Ratio	Lower	Upper	
43	100		
61	18.7	19.7	29.5#
87	11.7	9.4	14.2



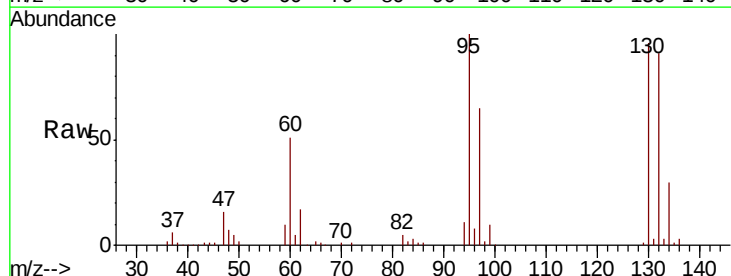
Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)
 Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)
 Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



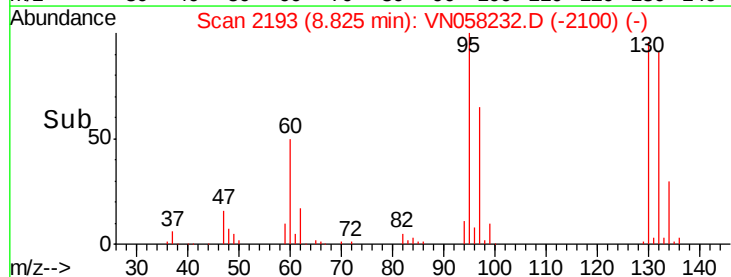
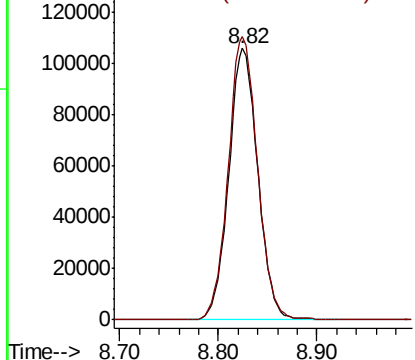
#44

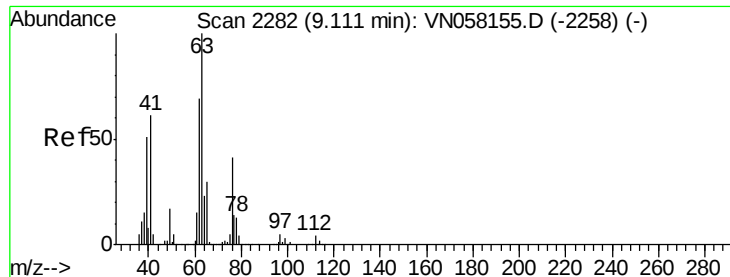
Trichloroethene
 Concen: 49.090 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion	130	Resp	217821
Ion Ratio	Lower	Upper	
130	100		
95	104.2	0.0	207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)
 Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

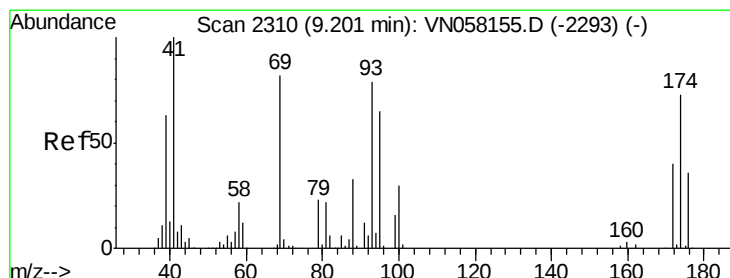
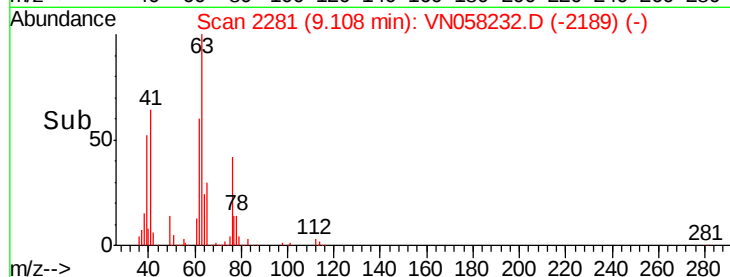
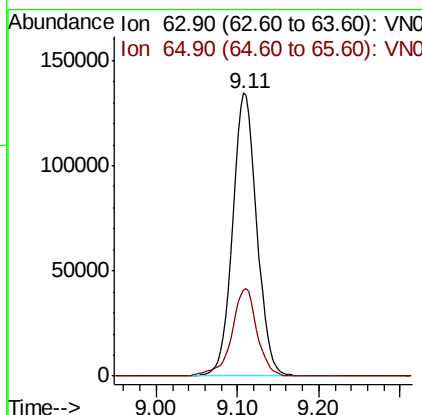
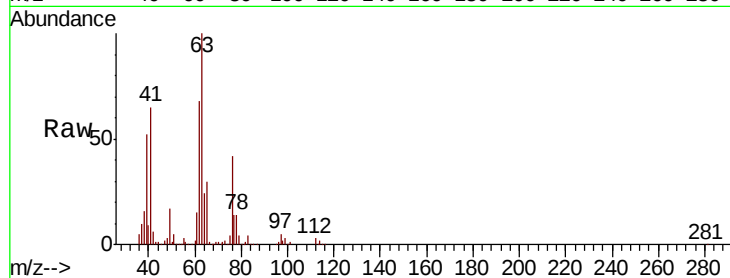




#45
 1,2-Dichloropropane
 Concen: 51.599 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

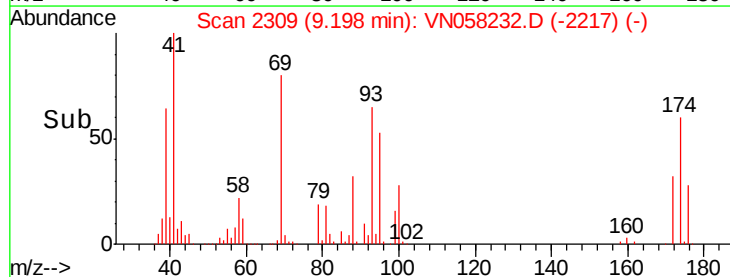
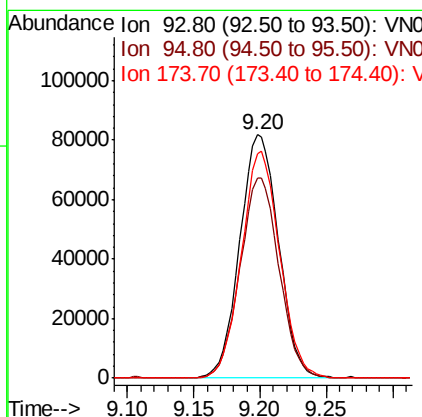
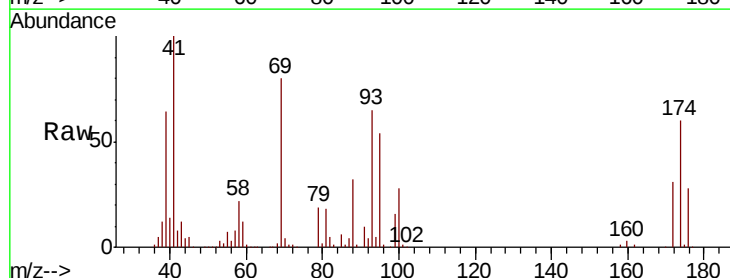
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 279407
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.8 35.6



#46
 Dibromomethane
 Concen: 50.609 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 93 Resp: 166616
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.8 100.2
 174 92.2 73.8 110.8





#47

Bromodichloromethane

Concen: 53.308 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

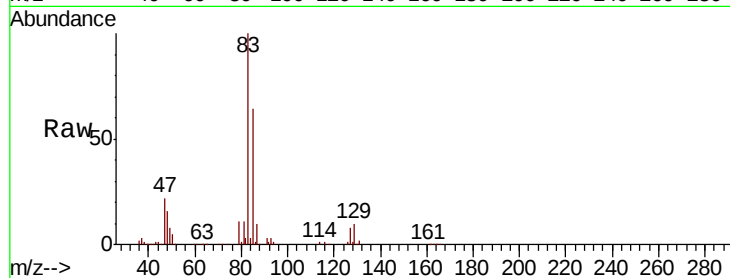
Tot Ion: 83 Resp: 367669

Ion Ratio Lower Upper

83 100

85 64.0 50.1 75.1

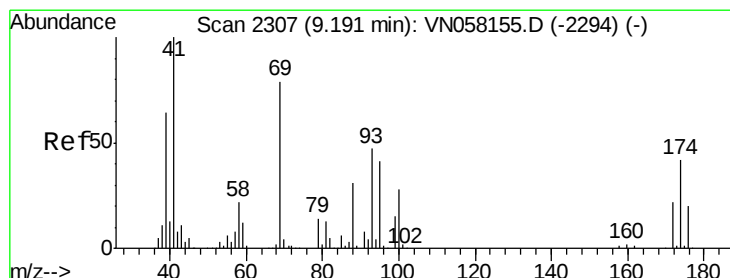
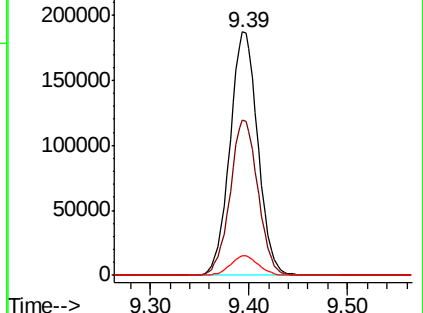
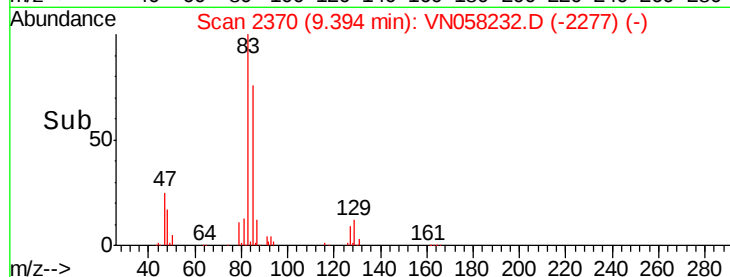
127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058232.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058232.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058232.D (-2277) (-)



#48

Methyl methacrylate

Concen: 53.226 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

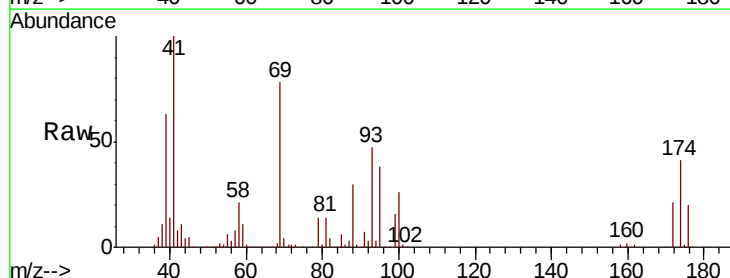
Tgt Ion: 41 Resp: 278064

Ion Ratio Lower Upper

41 100

69 79.4 62.5 93.7

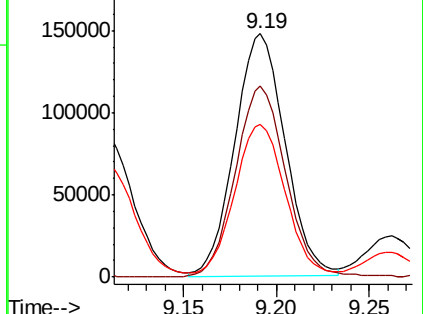
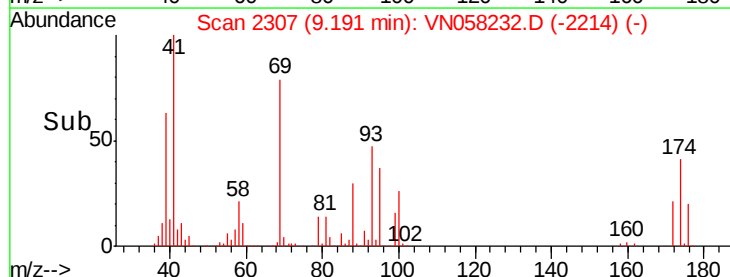
39 63.9 52.3 78.5

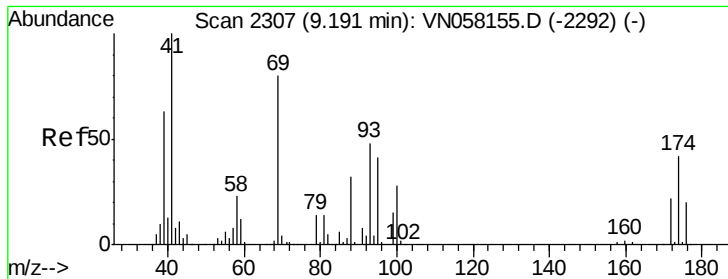


Abundance Ion 41.00 (40.70 to 41.70): VN058232.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058232.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058232.D (-2214) (-)

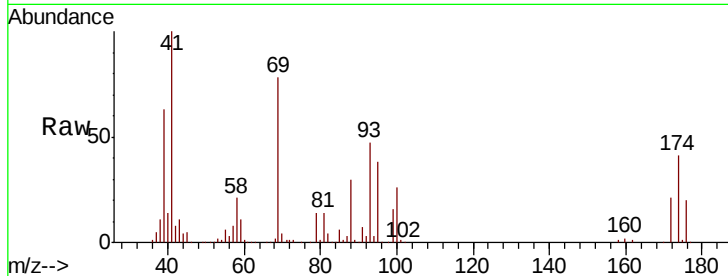




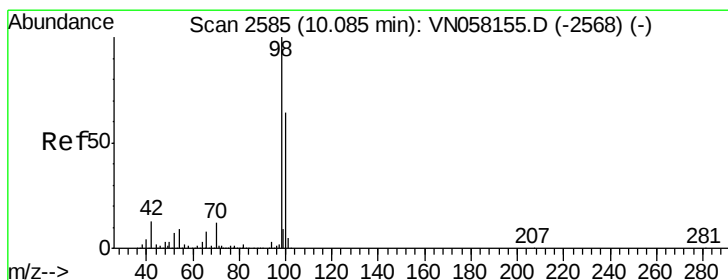
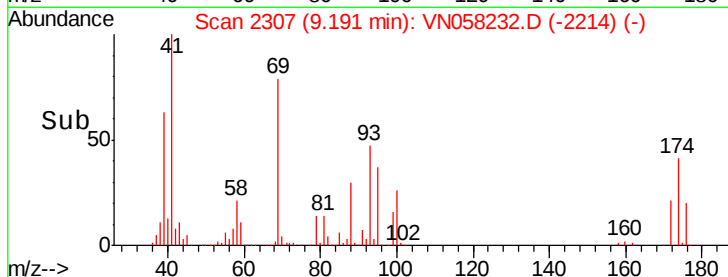
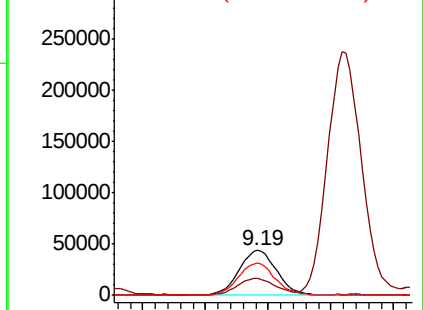
#49
 1,4-Dioxane
 Concen: 1067.946 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 91600
 Ion Ratio Lower Upper
 88 100
 43 35.7 27.8 41.8
 58 70.2 55.0 82.4

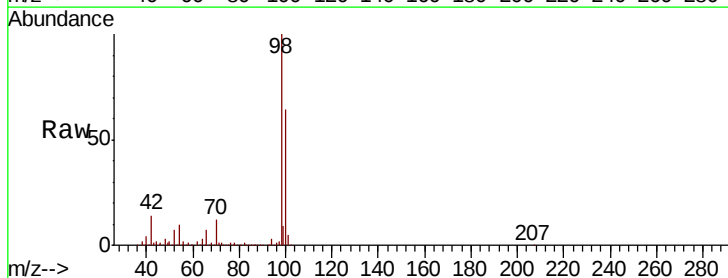


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

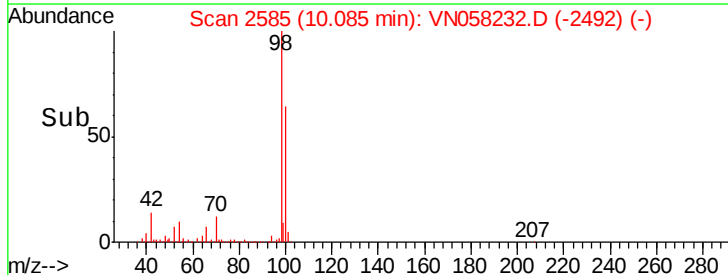
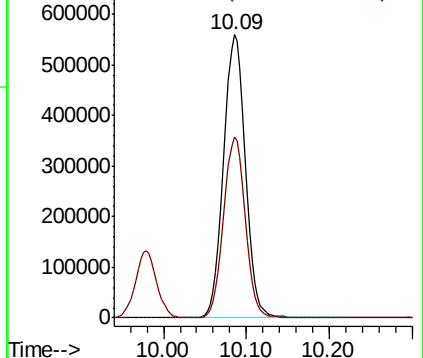


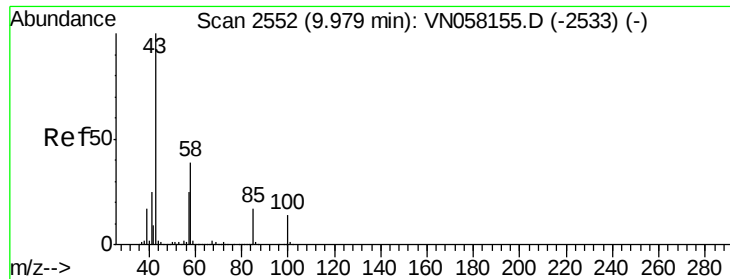
#50
 Toluene-d8
 Concen: 52.421 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 98 Resp: 1022121
 Ion Ratio Lower Upper
 98 100
 100 63.5 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: 290.222 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

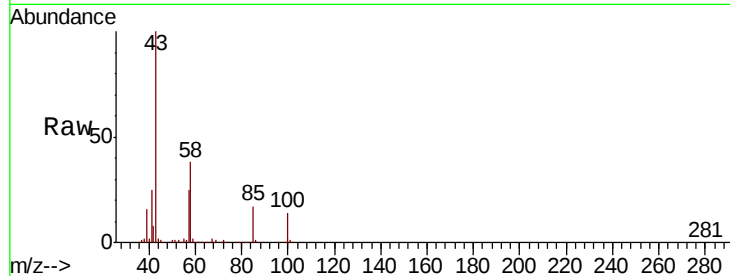
ClientSampled :

Tot Ion: 43 Resp: 1773695

Ion Ratio Lower Upper

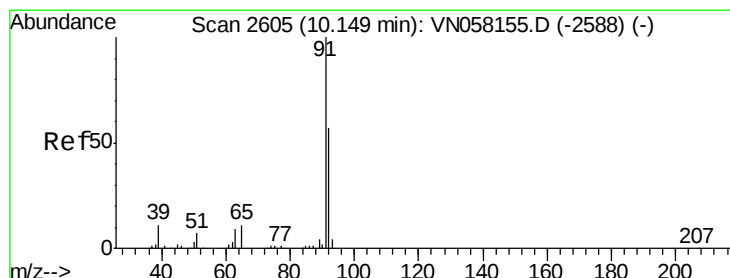
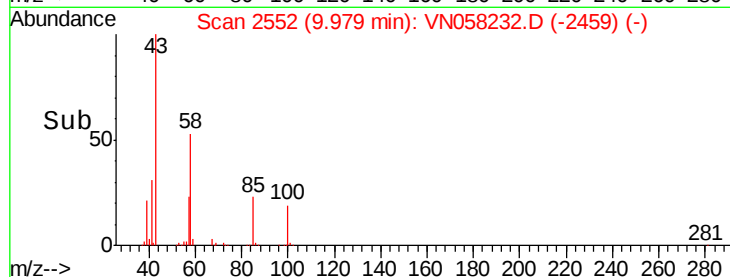
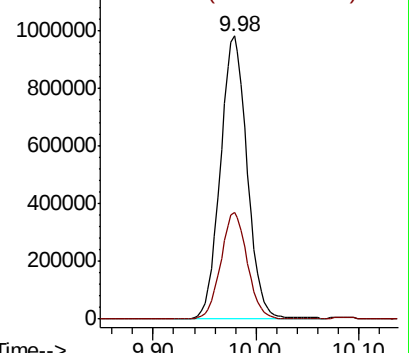
43 100

58 37.3 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.956 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058232.D

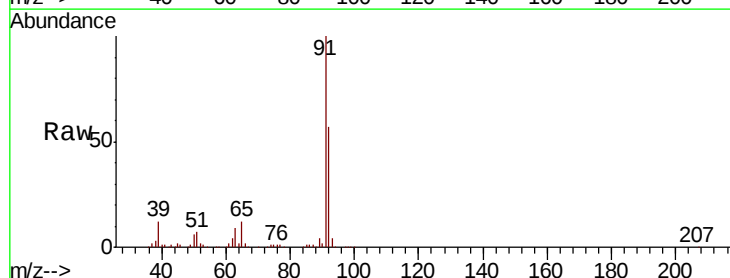
Acq: 20 Sep 2019 1:53

Tgt Ion: 92 Resp: 556319

Ion Ratio Lower Upper

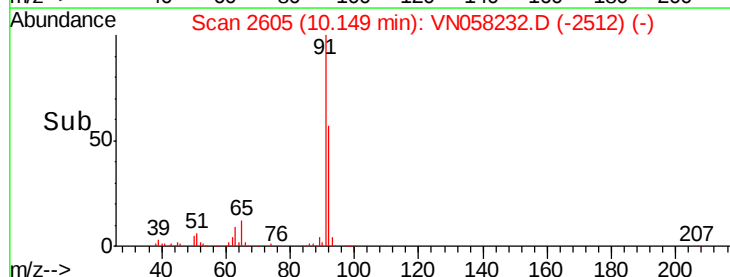
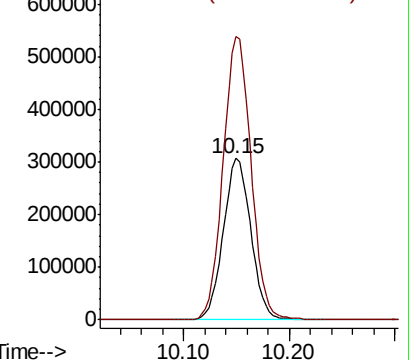
92 100

91 178.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.293 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

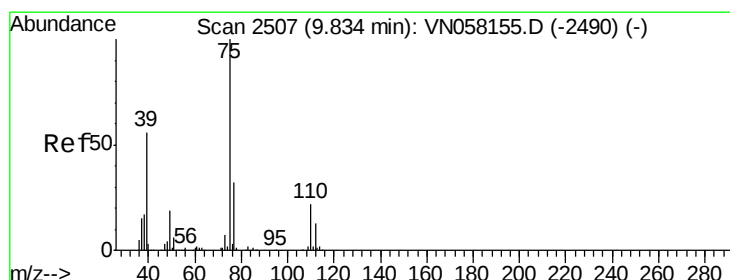
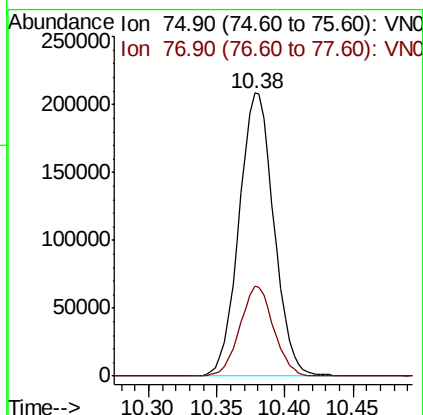
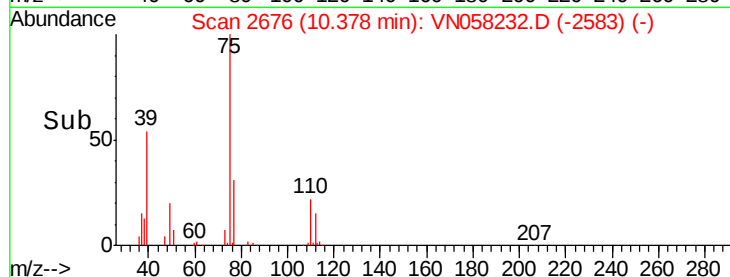
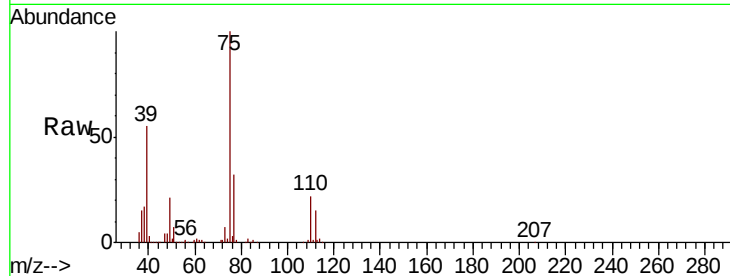
ClientSampleId :

Tot Ion: 75 Resp: 369458

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 50.335 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

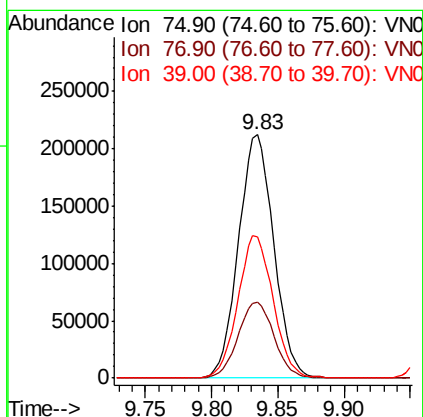
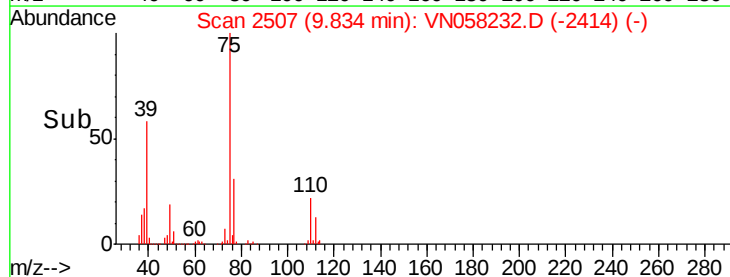
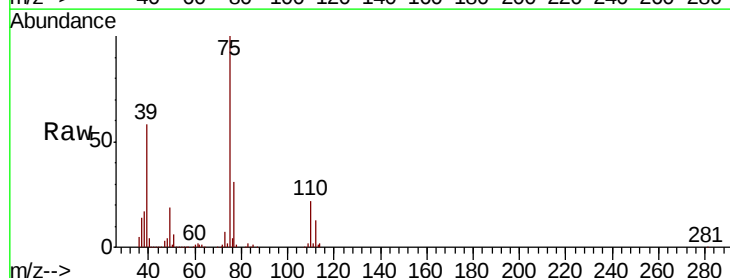
Tgt Ion: 75 Resp: 392627

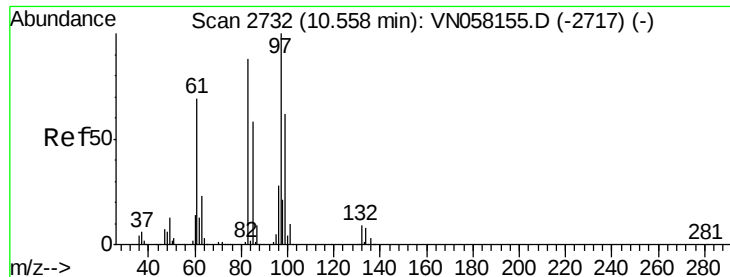
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 57.8 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 52.557 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

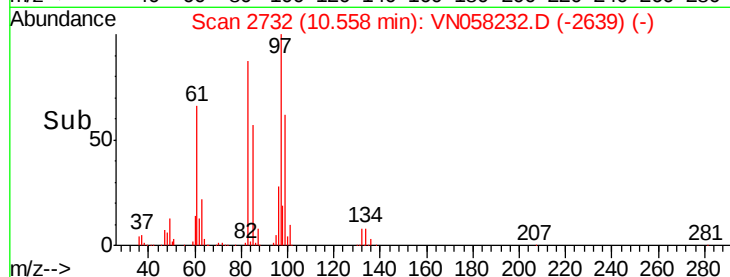
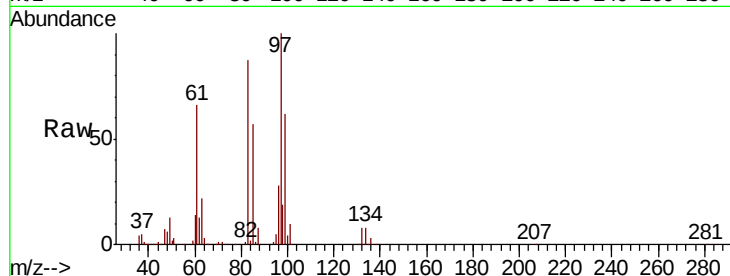
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 265042

Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	56.8	46.8	70.2
99	61.7	49.9	74.9

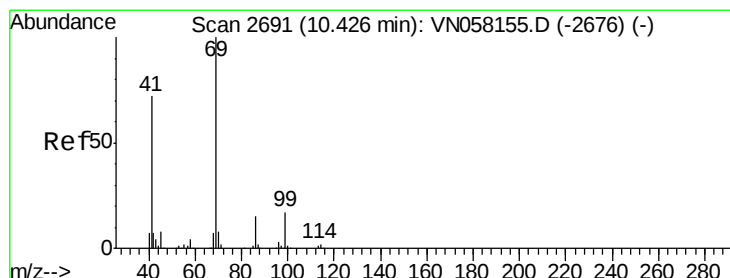
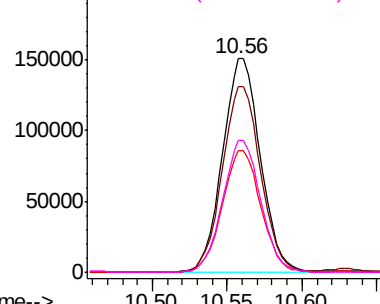


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.175 ug/l

RT: 10.43 min Scan# 2691

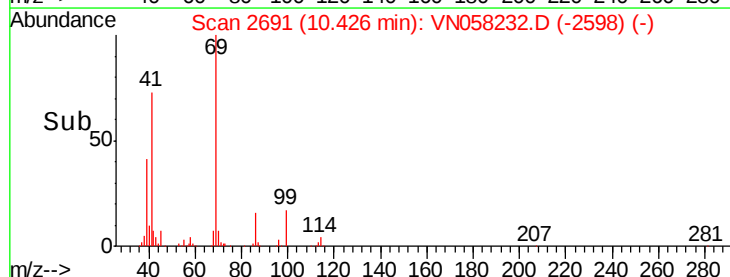
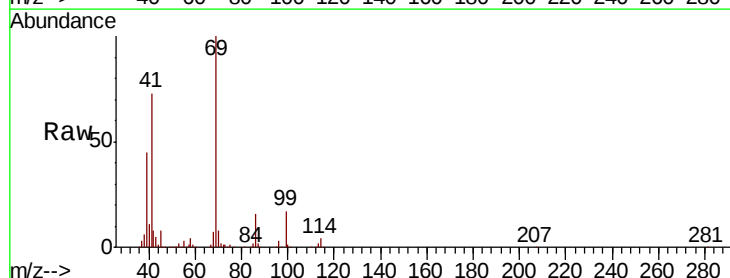
Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Tgt Ion: 69 Resp: 394181

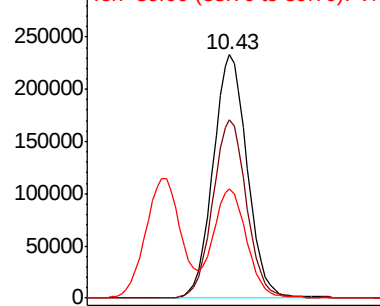
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.5	86.3
39	43.9	36.1	54.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.886 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

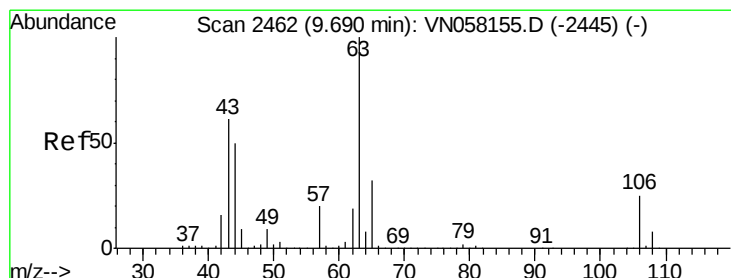
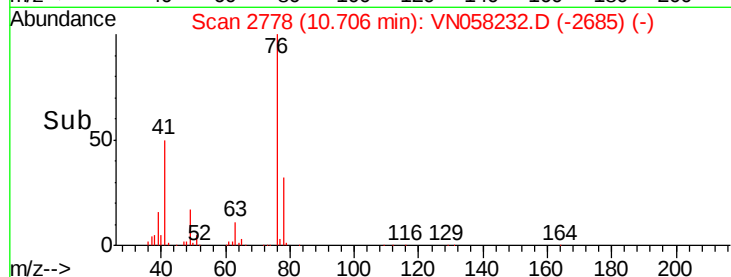
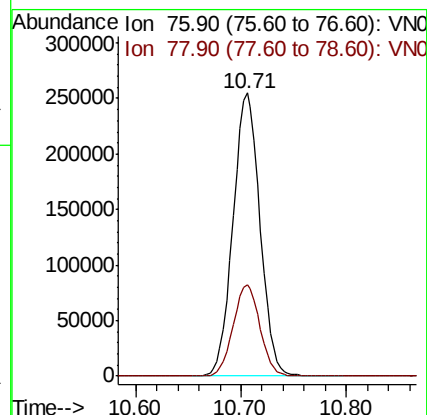
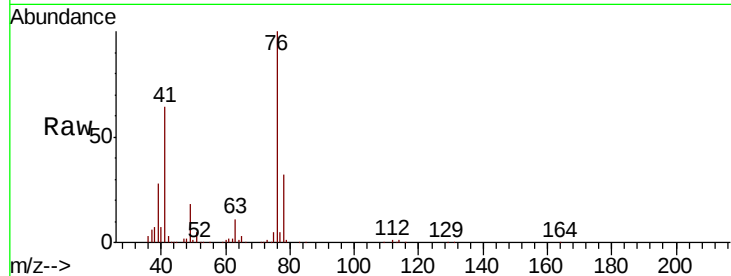
ClientSampled :

Tot Ion: 76 Resp: 449818

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 283.365 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058232.D

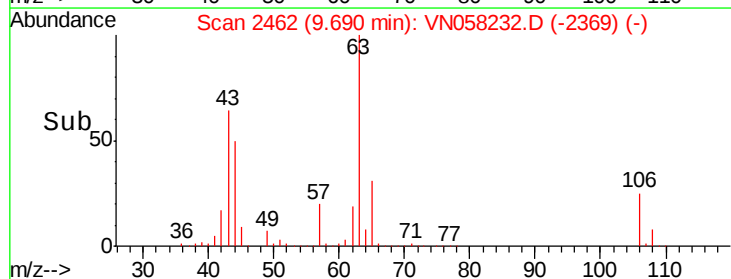
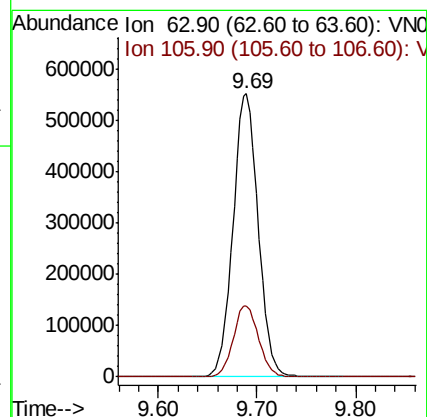
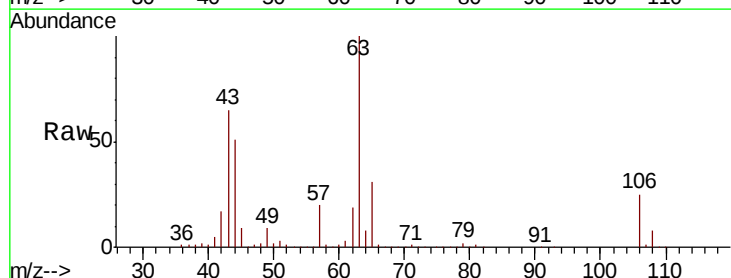
Acq: 20 Sep 2019 1:53

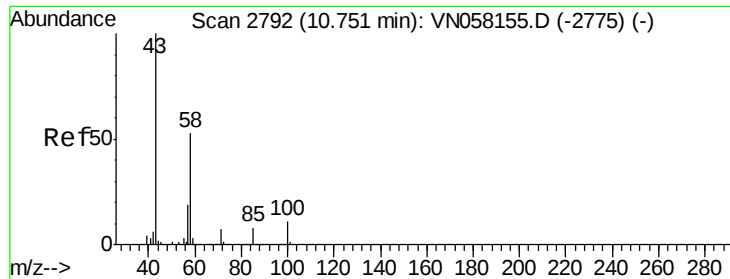
Tgt Ion: 63 Resp: 982087

Ion Ratio Lower Upper

63 100

106 25.3 19.9 29.9

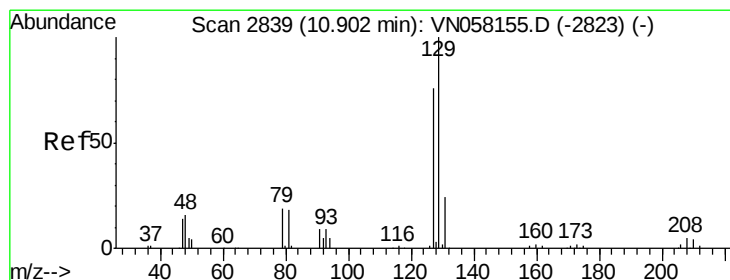
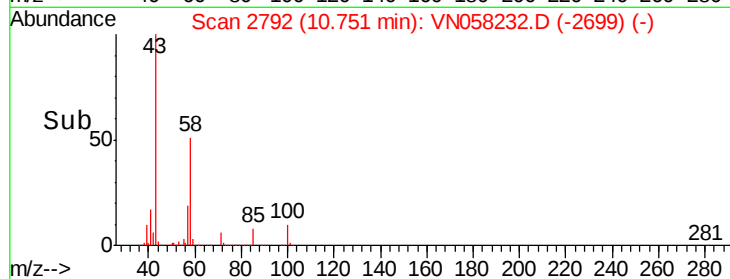
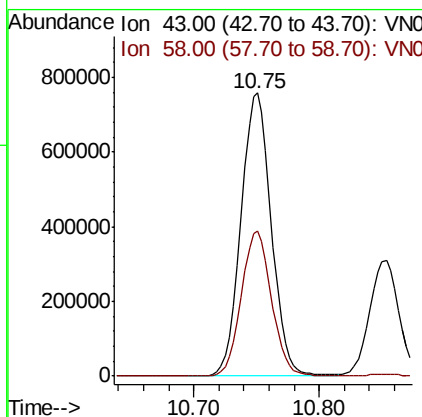
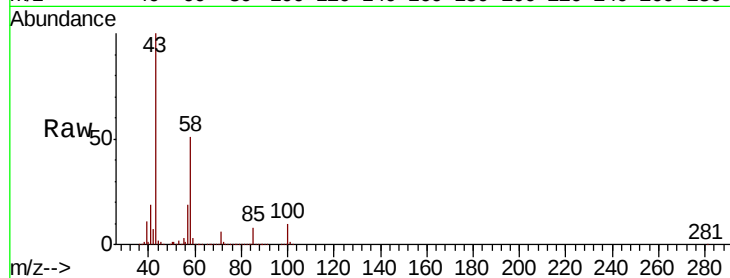




#59
2-Hexanone
Concen: 280.403 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

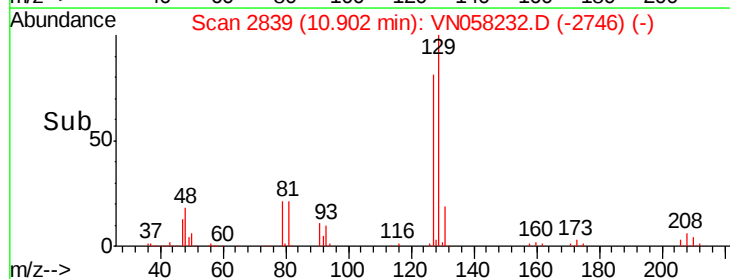
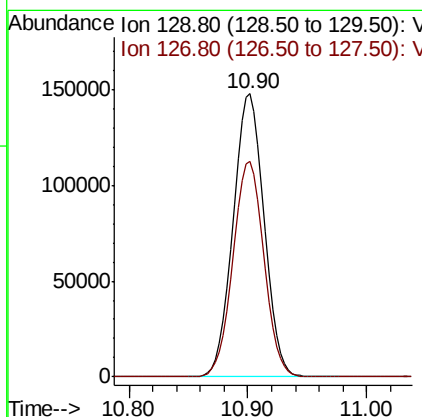
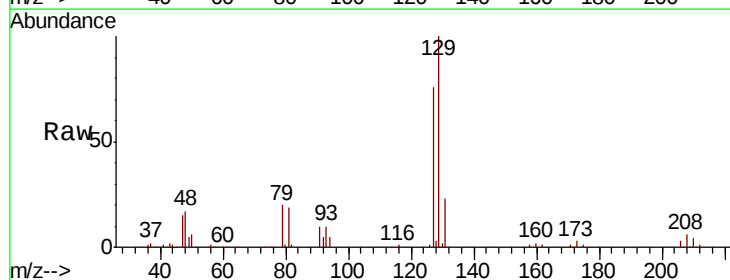
Instrument :
MSVOA_N
ClientSampled :

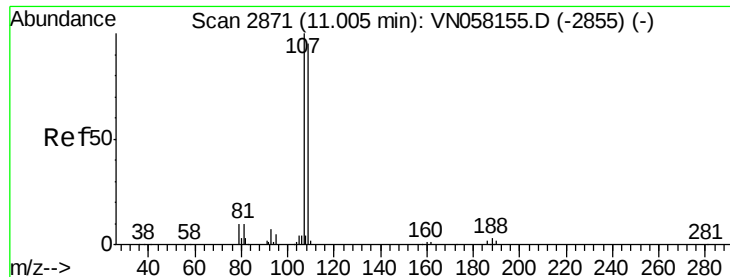
Tot Ion: 43 Resp: 1272738
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0



#60
Dibromochloromethane
Concen: 54.917 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 129 Resp: 266432
Ion Ratio Lower Upper
129 100
127 76.2 38.7 116.1

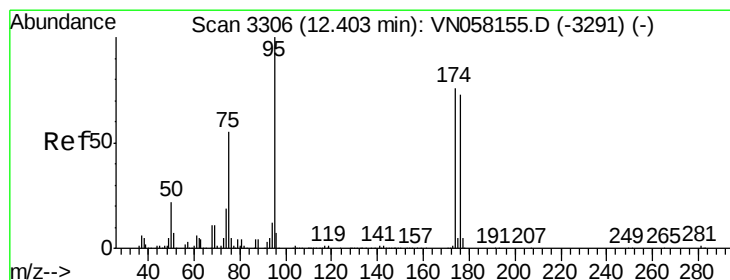
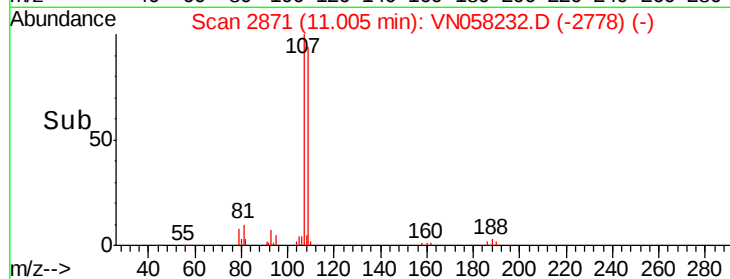
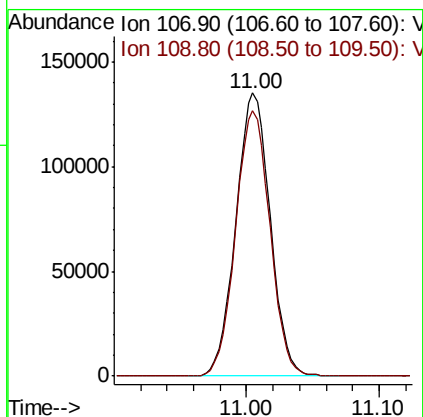
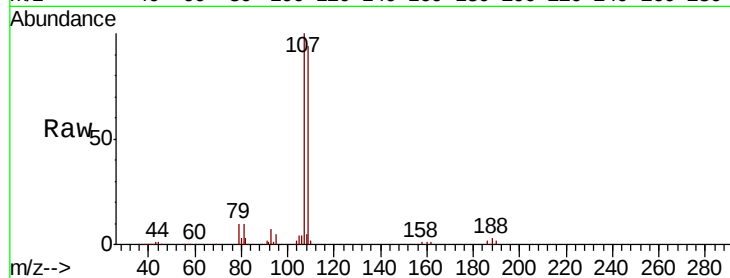




#61
 1,2-Dibromoethane
 Concen: 52.004 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

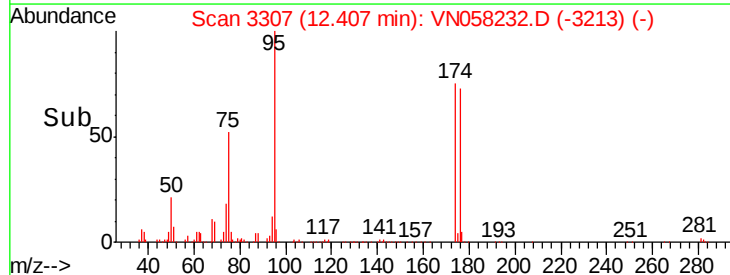
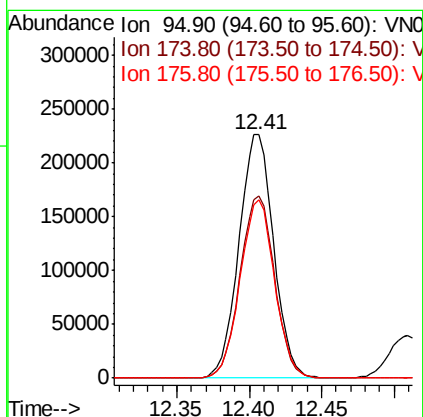
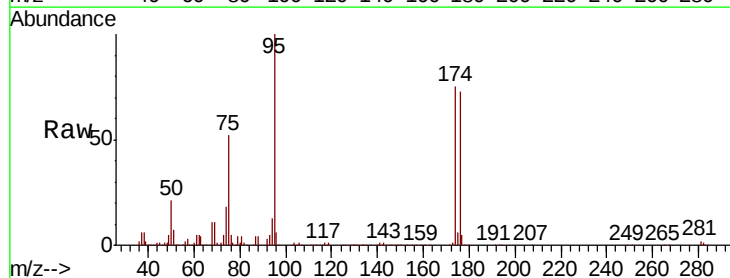
Instrument :
 MSVOA_N
 ClientSampleId :

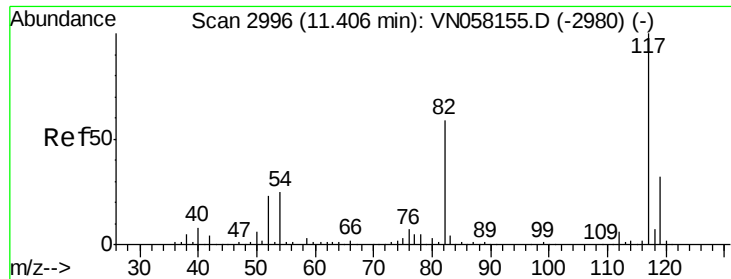
Tot Ion: 107 Resp: 243037
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.963 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion: 95 Resp: 376364
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 152.2
 176 72.6 0.0 148.0

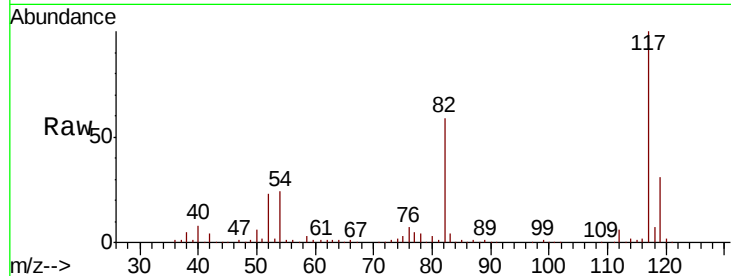




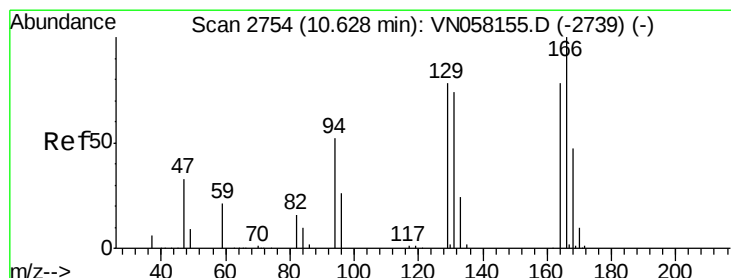
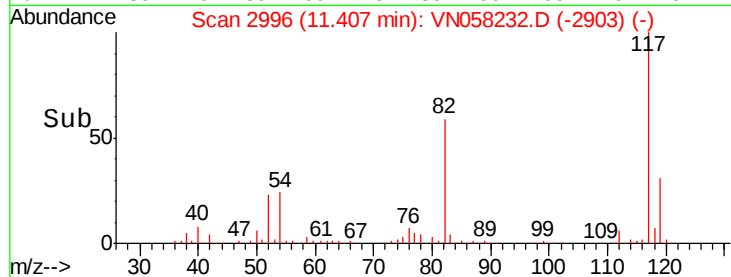
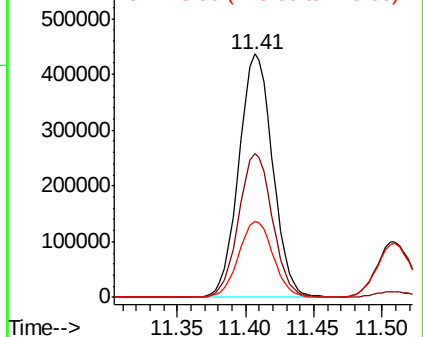
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 753314
Ion Ratio Lower Upper
117 100
82 59.3 46.9 70.3
119 31.2 25.3 37.9



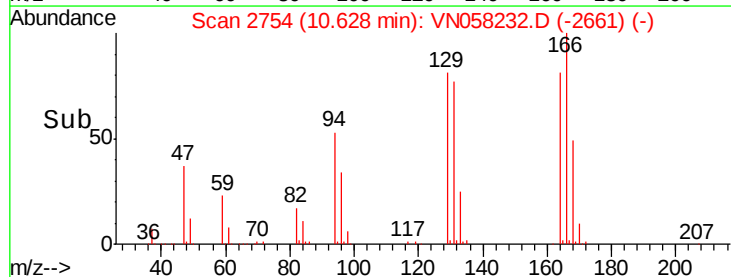
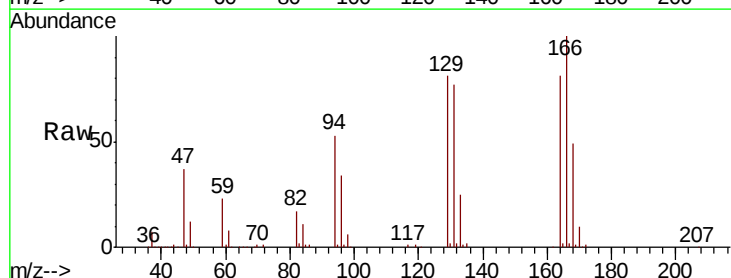
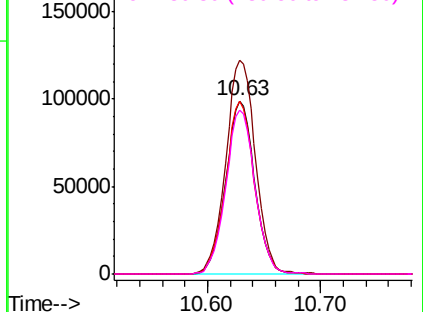
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

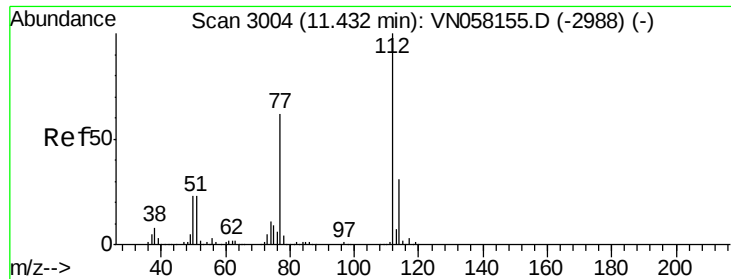


#64
Tetrachloroethene
Concen: 47.805 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion:164 Resp: 175549
Ion Ratio Lower Upper
164 100
166 123.4 102.2 153.4
129 99.5 79.6 119.4
131 95.1 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

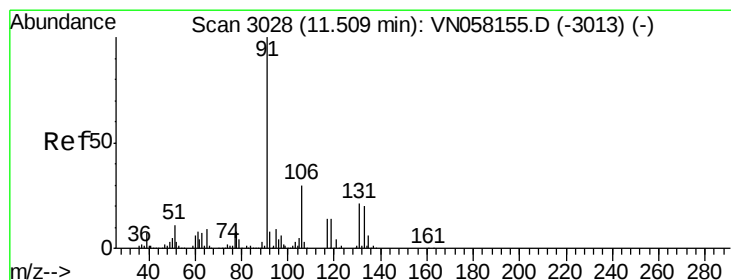
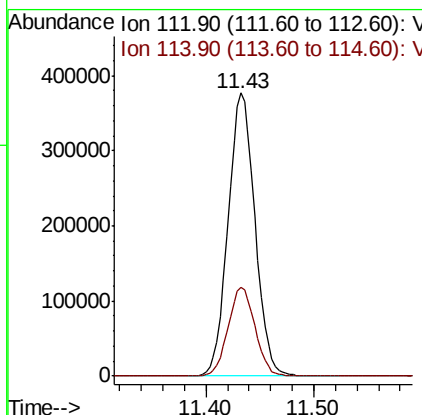
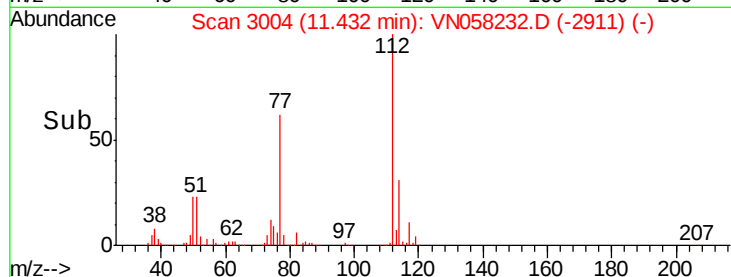
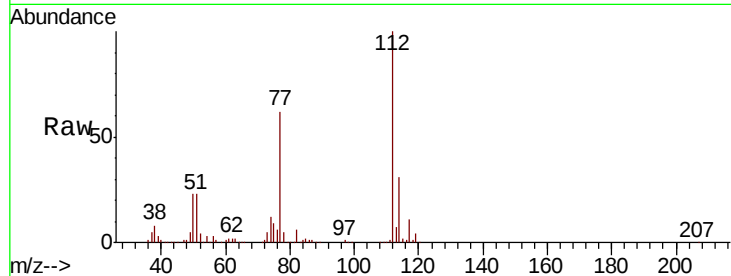




#65
Chlorobenzene
Concen: 49.363 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

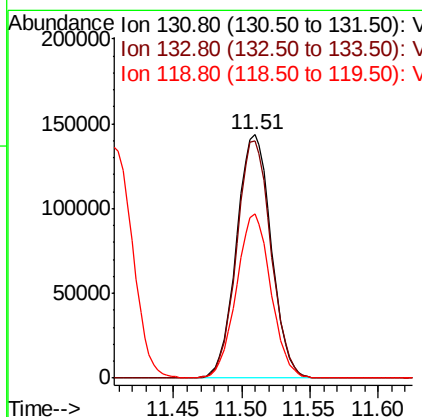
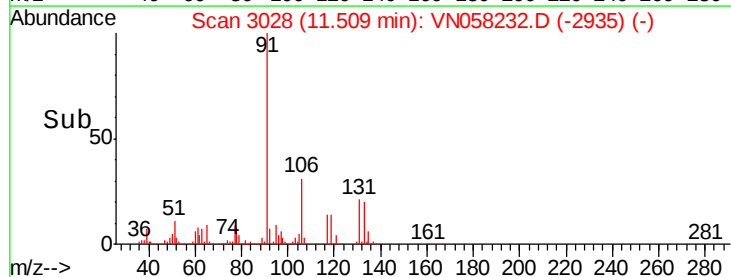
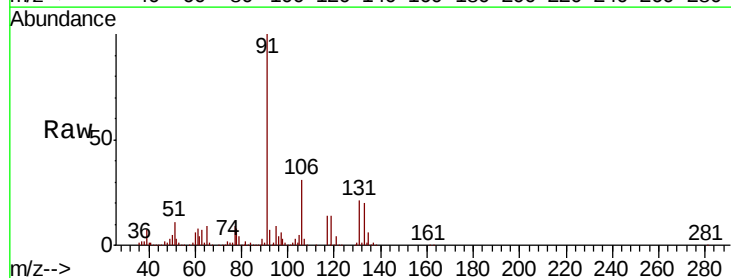
Instrument :
MSVOA_N
ClientSampleId :

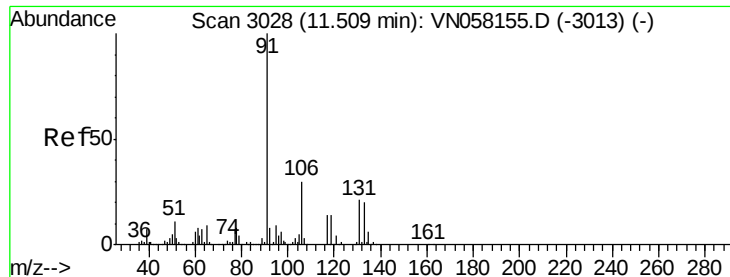
Tot Ion:112 Resp: 654073
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.844 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion:131 Resp: 253894
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 66.7 33.1 99.3

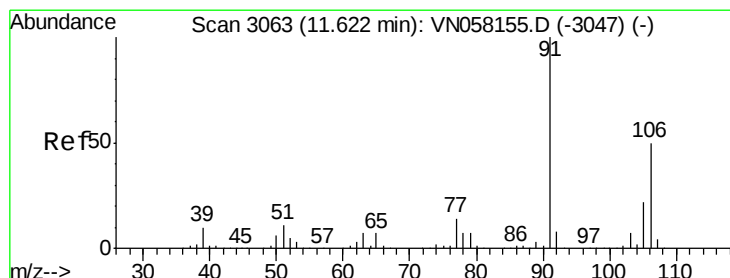
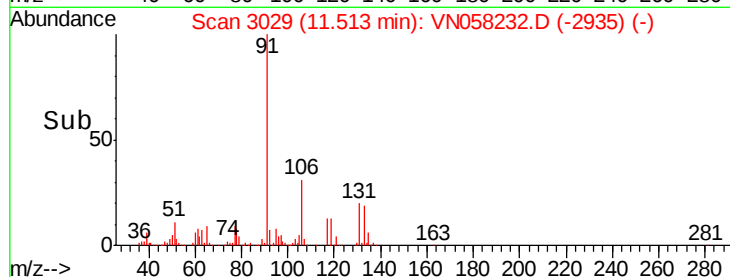
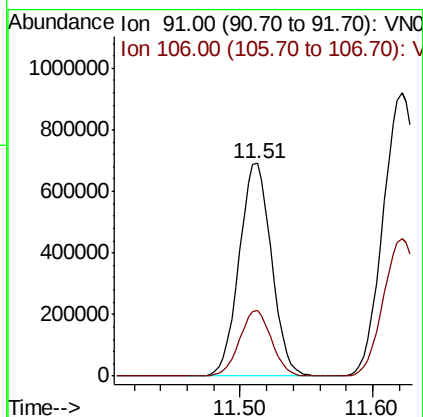
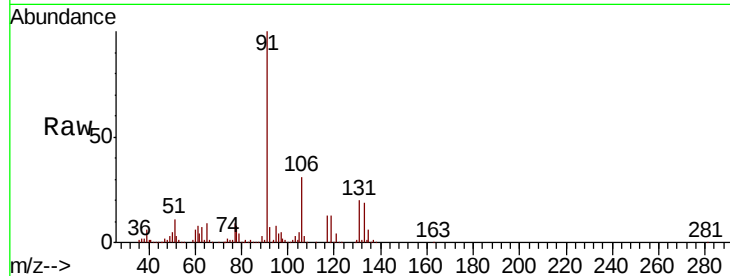




#67
Ethyl Benzene
Concen: 51.503 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

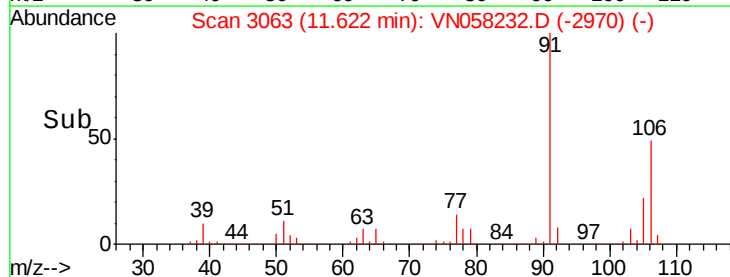
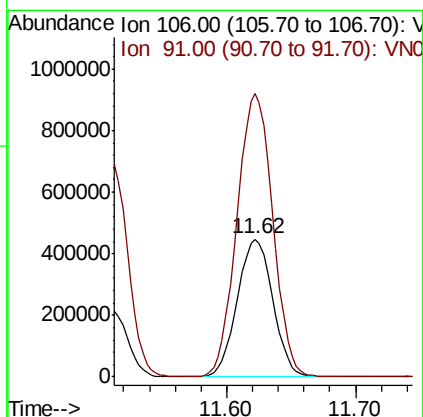
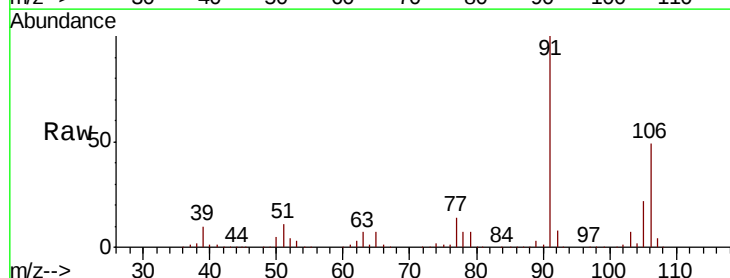
Instrument :
MSVOA_N
ClientSampled :

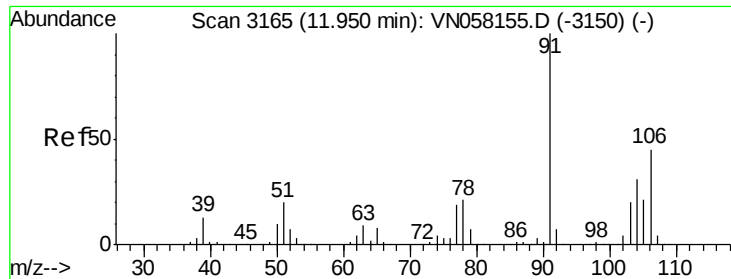
Tot Ion: 91 Resp: 1169327
Ion Ratio Lower Upper
91 100
106 30.8 24.0 36.0



#68
m/p-Xylenes
Concen: 100.190 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 106 Resp: 856734
Ion Ratio Lower Upper
106 100
91 207.3 163.6 245.4

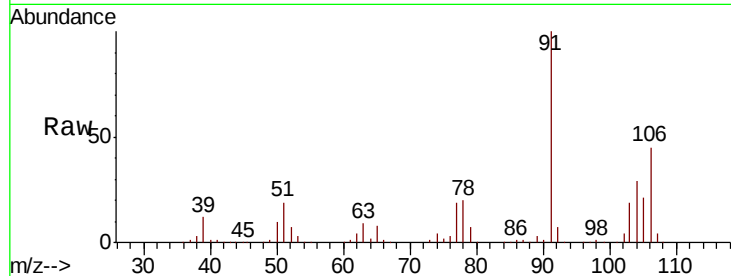




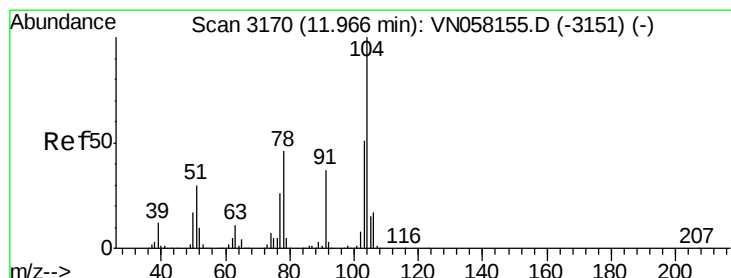
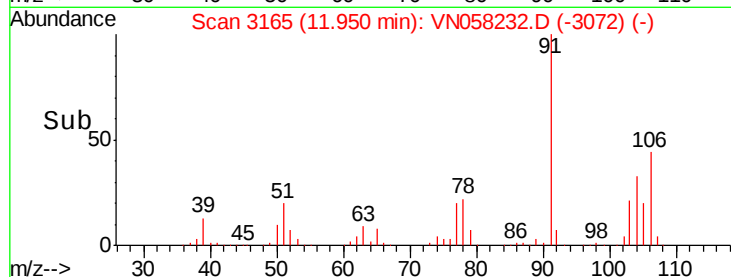
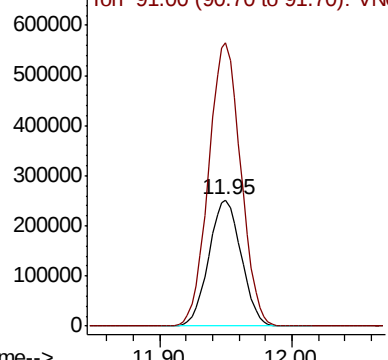
#69
o-Xylene
Concen: 50.948 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 428382
Ion Ratio Lower Upper
106 100
91 221.9 111.8 335.3

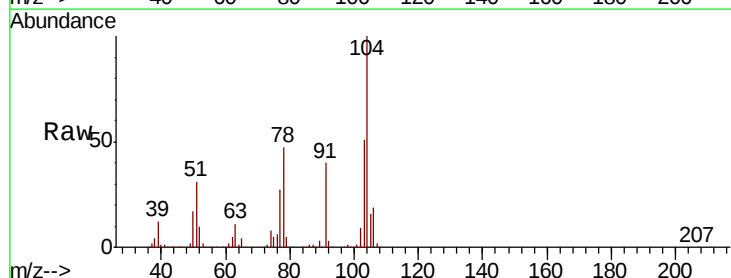


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

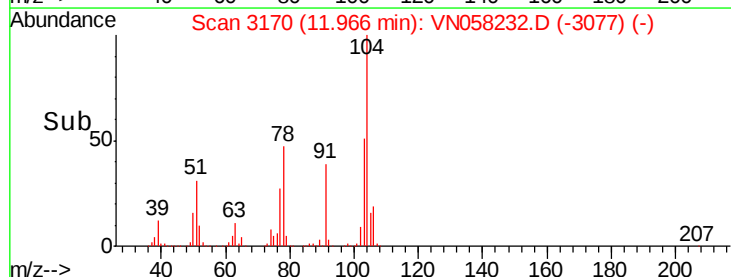
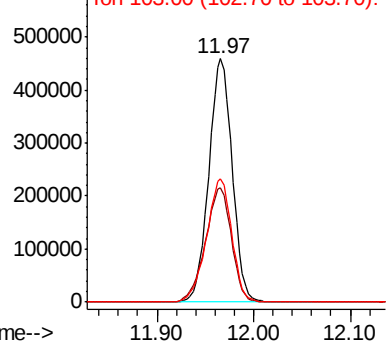


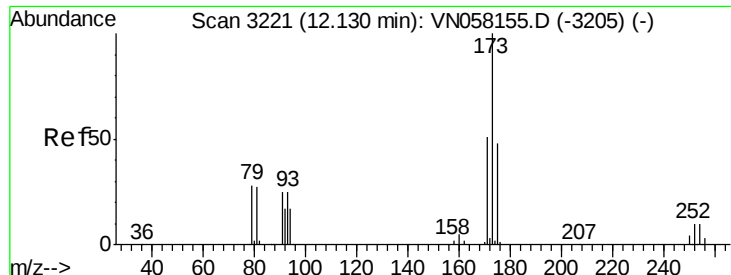
#70
Styrene
Concen: 53.301 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion:104 Resp: 772186
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 54.5 44.2 66.2



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





#71

Bromoform

Concen: 47.464 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

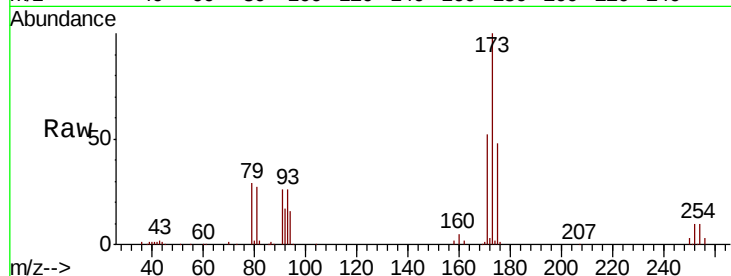
Tot Ion:173 Resp: 168372

Ion Ratio Lower Upper

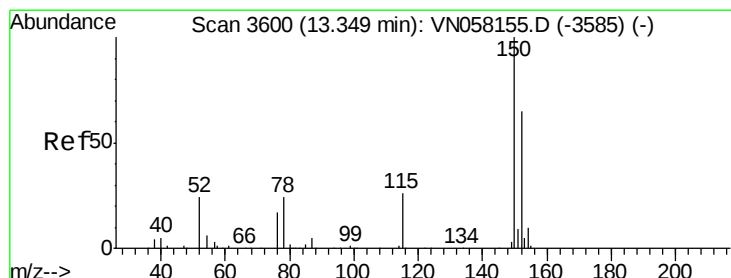
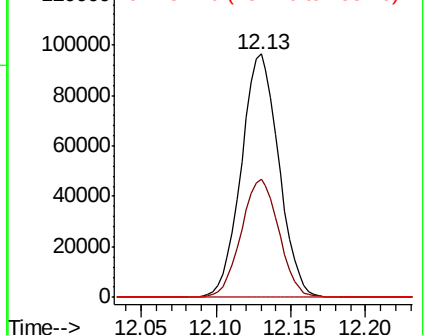
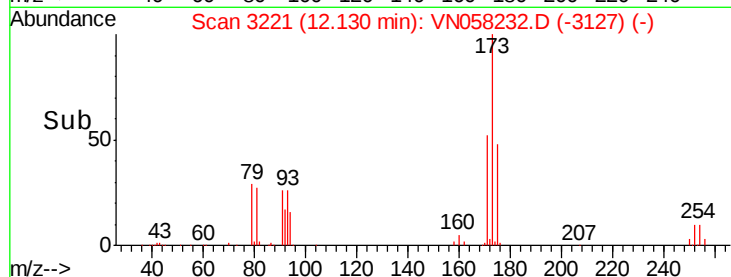
173 100

175 48.7 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

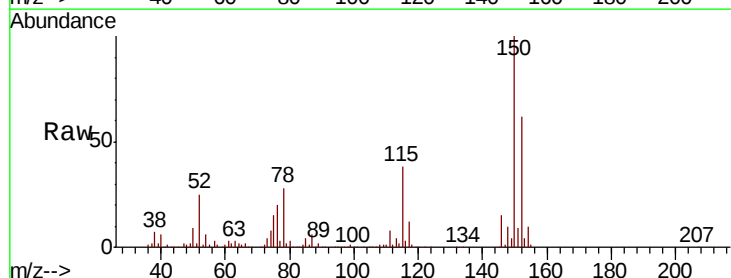
Tgt Ion:152 Resp: 363249

Ion Ratio Lower Upper

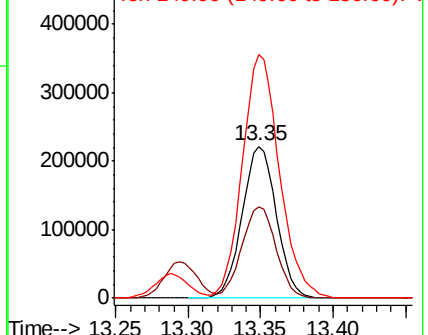
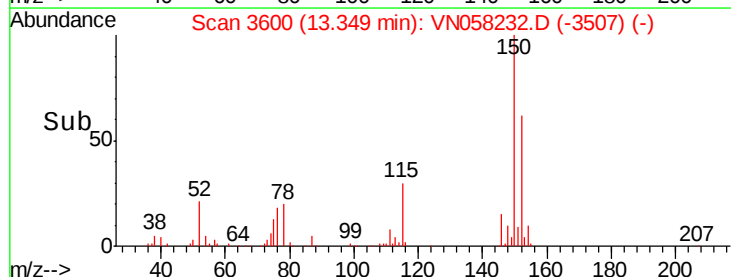
152 100

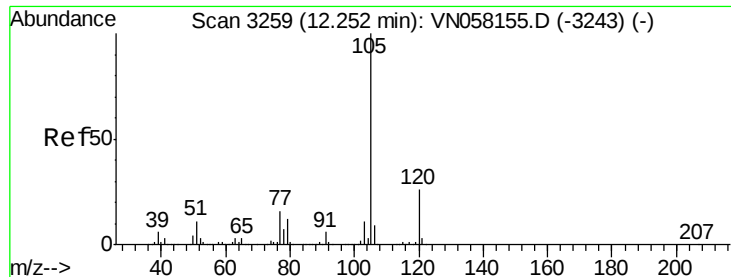
115 60.6 30.1 90.3

150 174.4 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

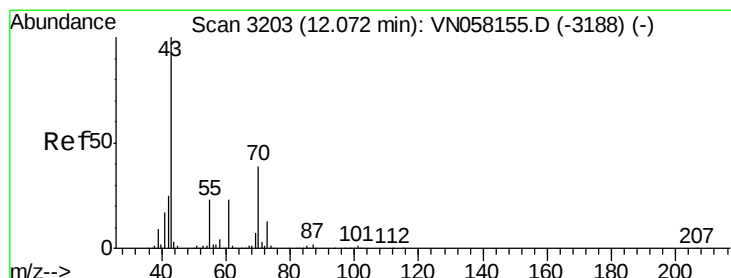
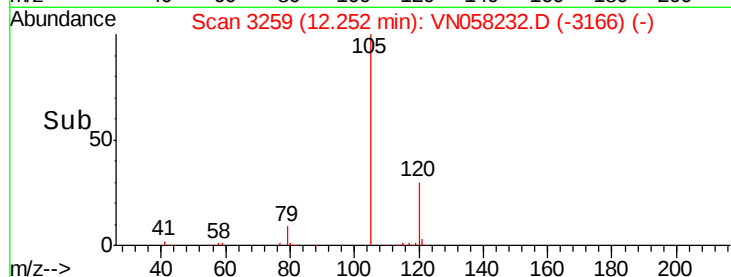
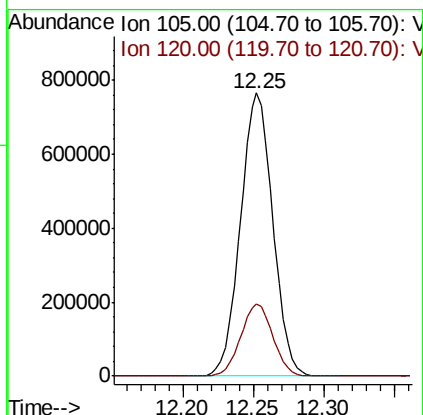
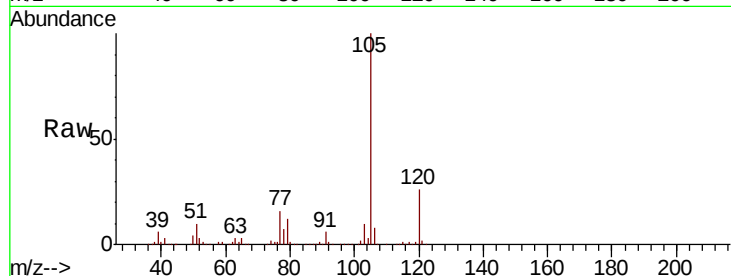




#73
Isopropylbenzene
Concen: 53.961 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

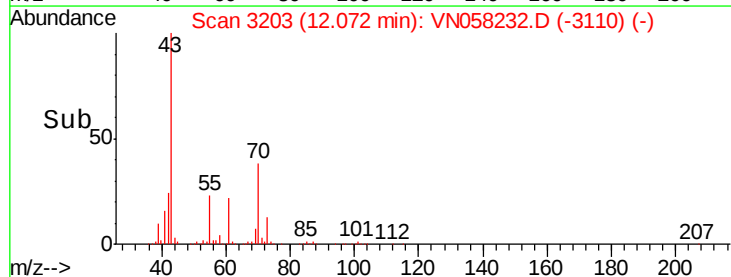
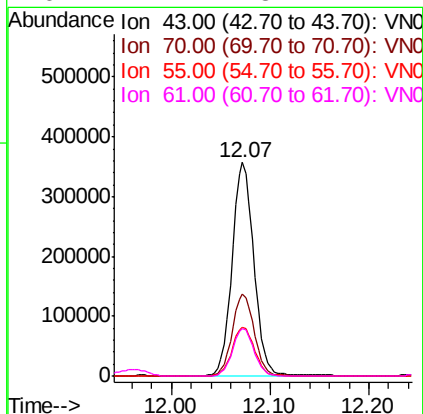
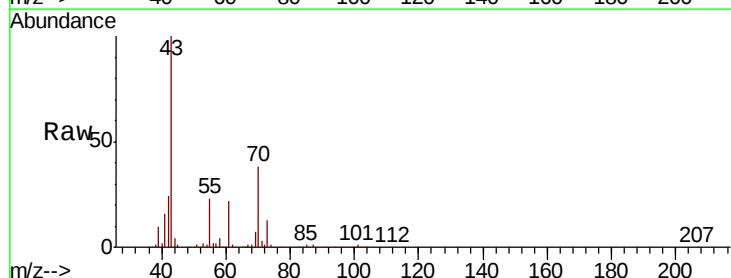
Instrument :
MSVOA_N
ClientSampled :

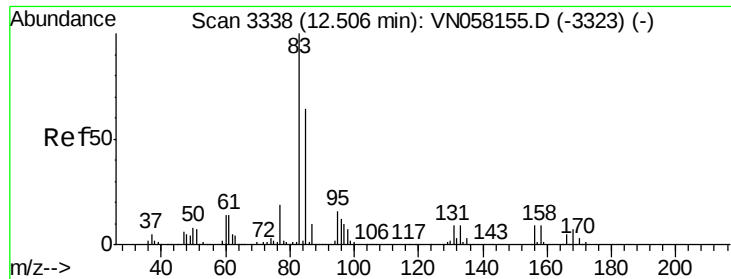
Tot Ion:105 Resp: 1226924
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3



#74
N-ethyl acetate
Concen: 57.448 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058232.D
Acq: 20 Sep 2019 1:53

Tgt Ion: 43 Resp: 546441
Ion Ratio Lower Upper
43 100
70 38.8 31.0 46.6
55 23.7 18.5 27.7
61 22.1 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.246 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

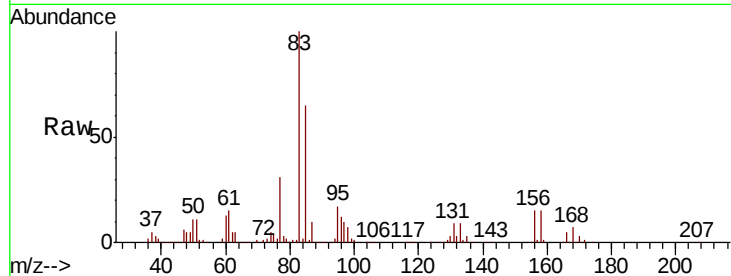
Tot Ion: 83 Resp: 405420

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

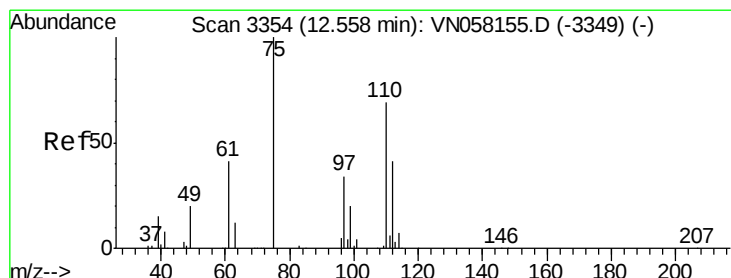
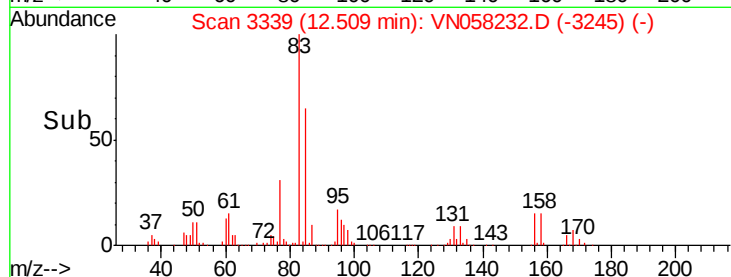
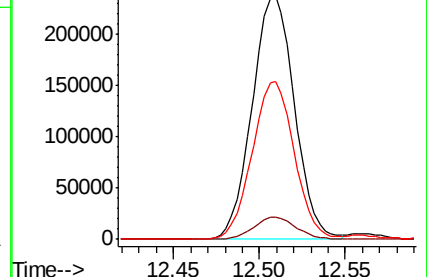
85 64.2 31.9 95.5



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: 74.457 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058232.D

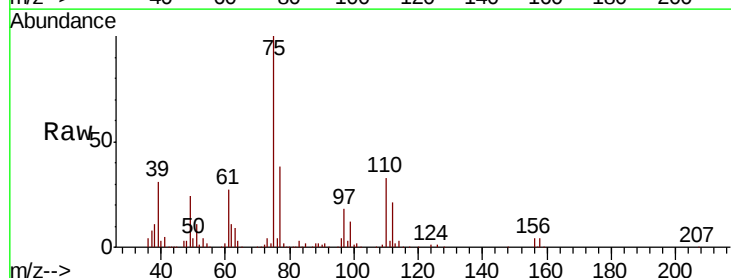
Acq: 20 Sep 2019 1:53

Tgt Ion: 75 Resp: 484043

Ion Ratio Lower Upper

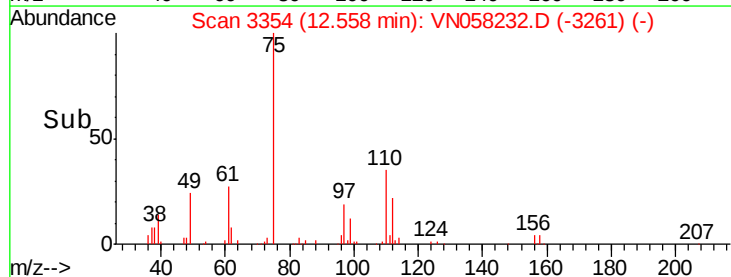
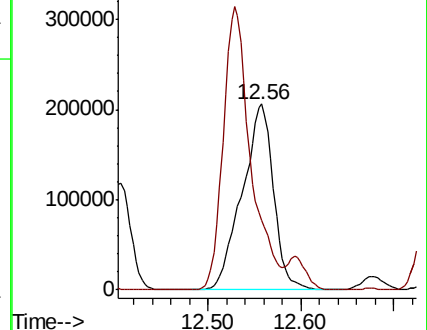
75 100

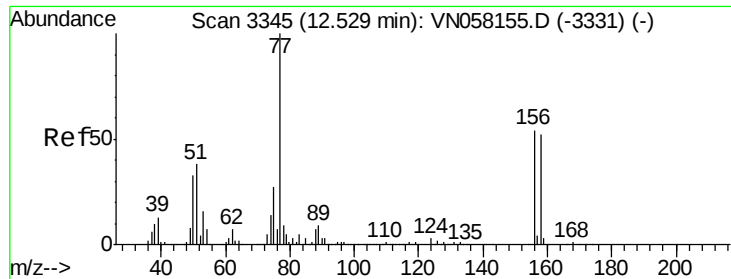
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.922 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

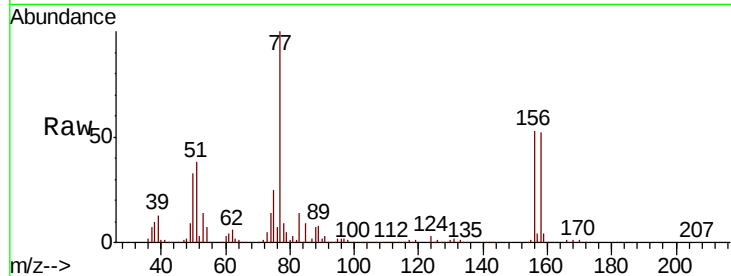
Tot Ion:156 Resp: 285523

Ion Ratio Lower Upper

156 100

77 226.8 111.7 335.1

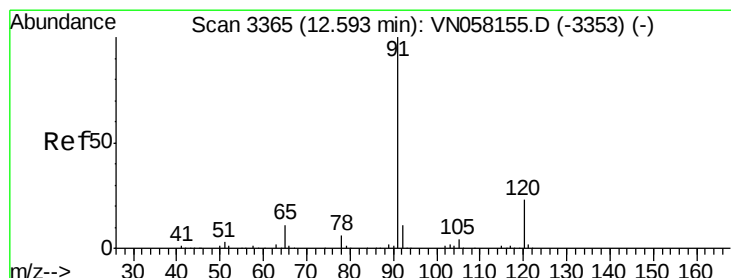
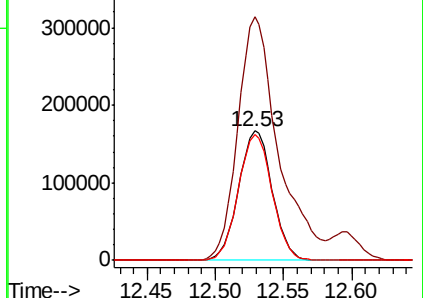
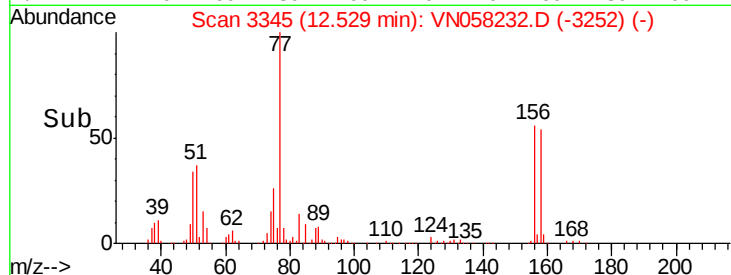
158 97.7 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.721 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058232.D

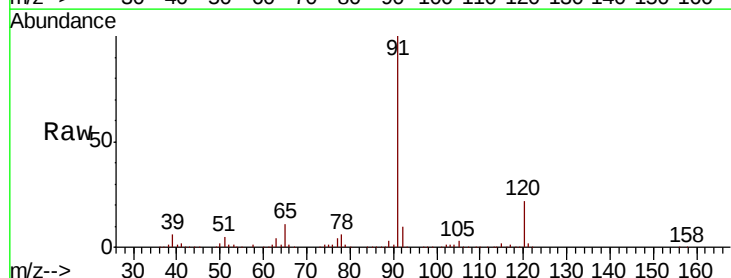
Acq: 20 Sep 2019 1:53

Tgt Ion: 91 Resp: 1413849

Ion Ratio Lower Upper

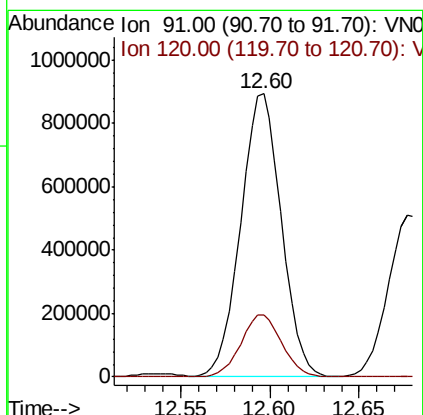
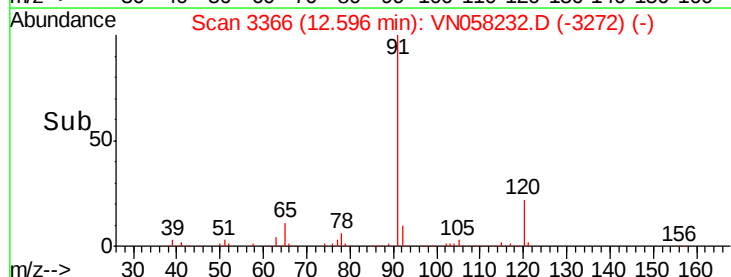
91 100

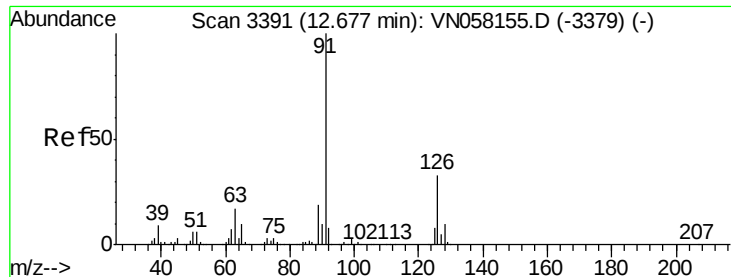
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.052 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

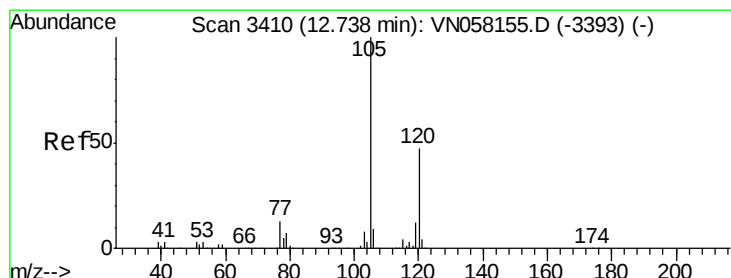
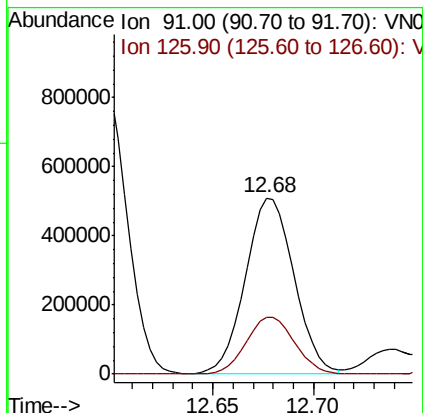
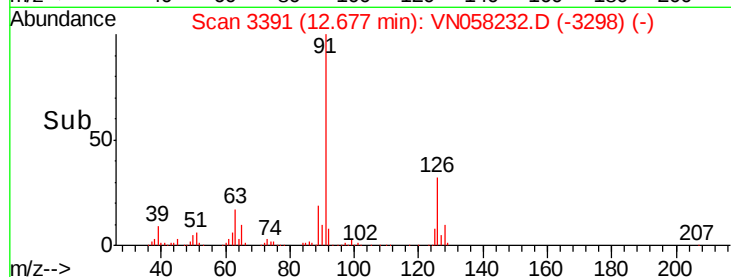
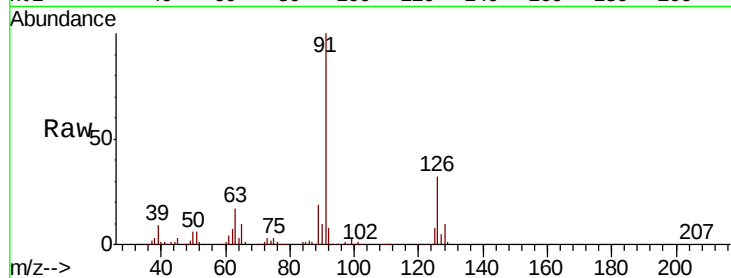
ClientSampled :

Tot Ion: 91 Resp: 856661

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 54.080 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058232.D

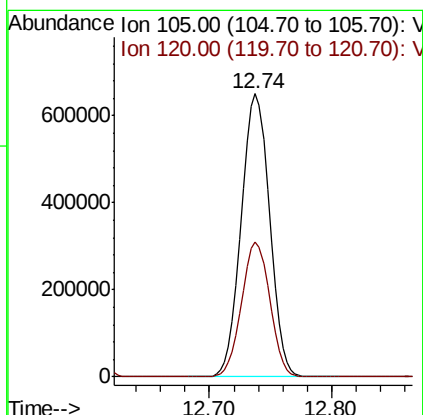
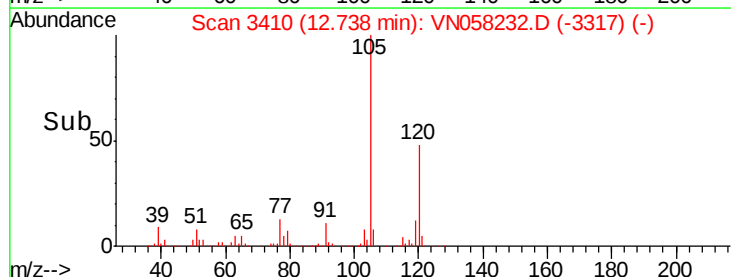
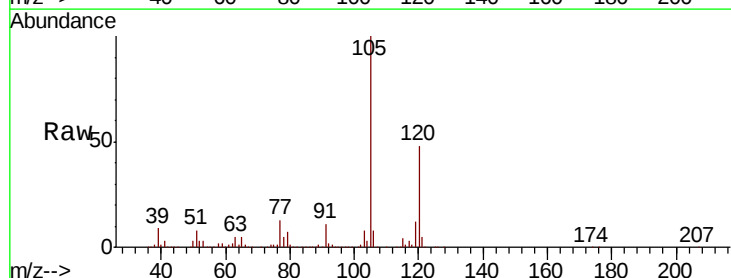
Acq: 20 Sep 2019 1:53

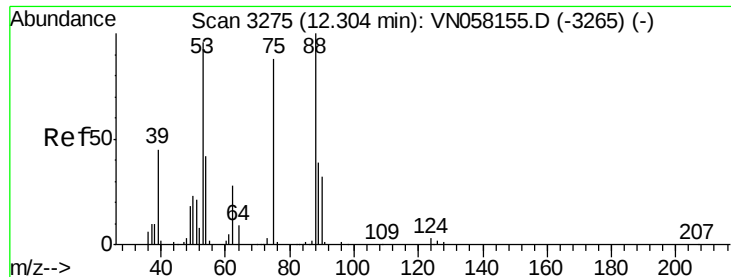
Tgt Ion: 105 Resp: 1039791

Ion Ratio Lower Upper

105 100

120 47.6 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.032 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

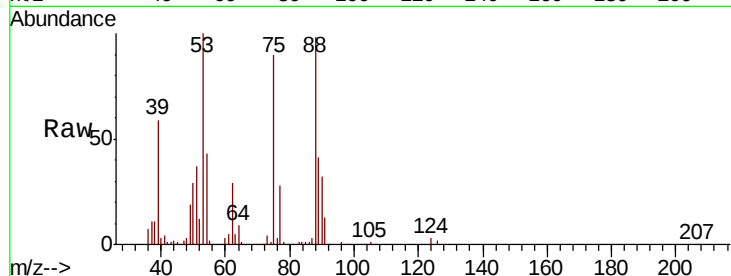
Tot Ion: 75 Resp: 99414

Ion	Ratio	Lower	Upper
75	100		
53	110.9	90.1	135.1
89	42.6	36.2	54.2

75 100

53 110.9 90.1 135.1

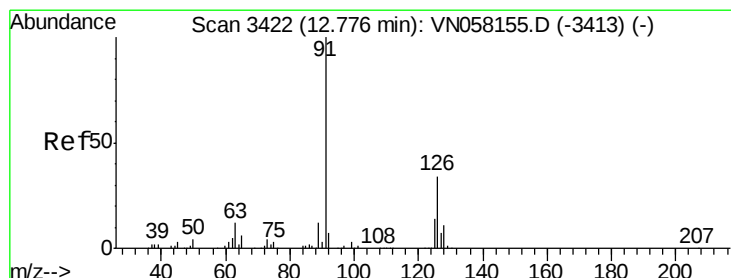
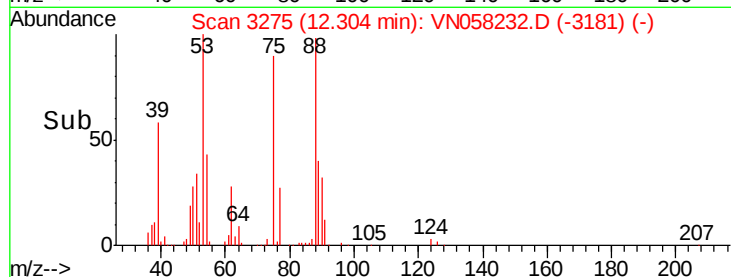
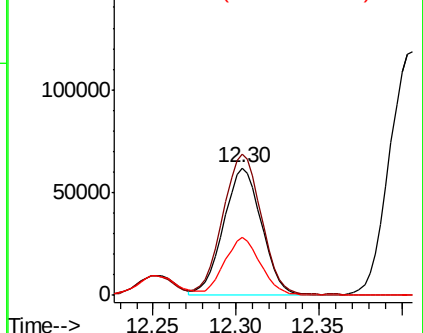
89 42.6 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.426 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058232.D

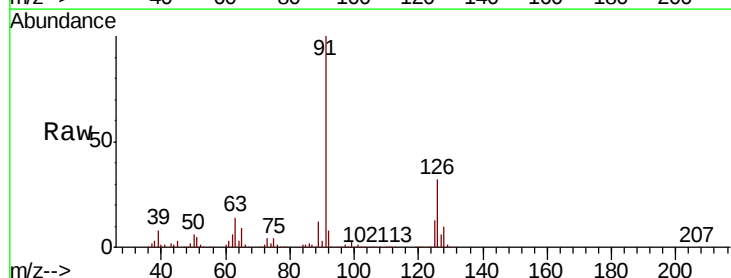
Acq: 20 Sep 2019 1:53

Tgt Ion: 91 Resp: 889863

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

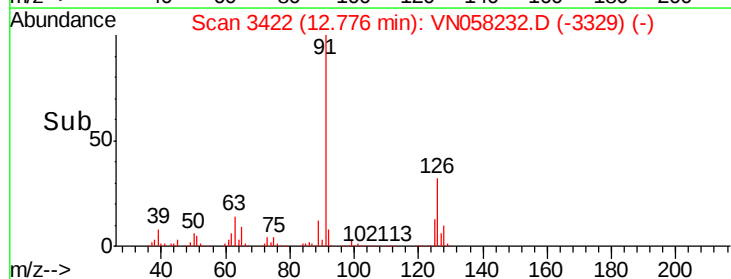
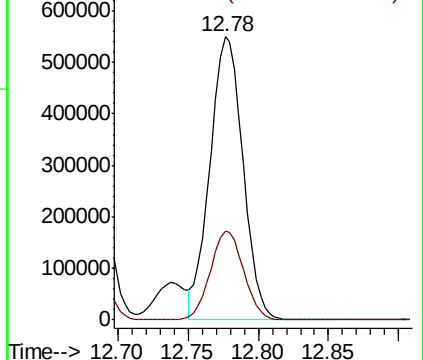
91 100

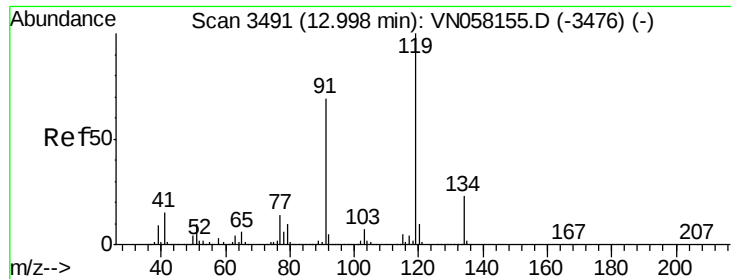
126 31.6 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

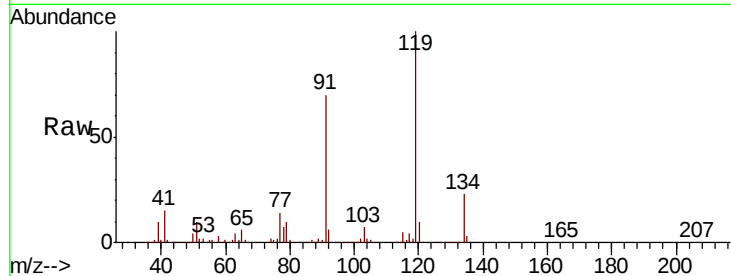




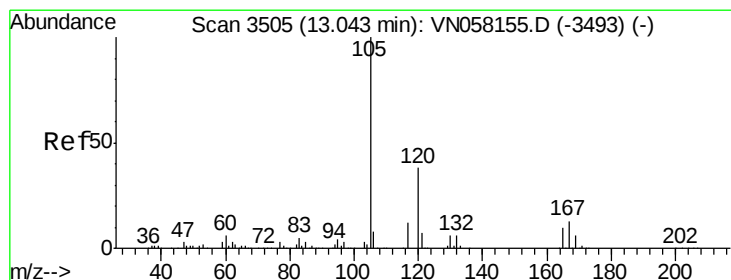
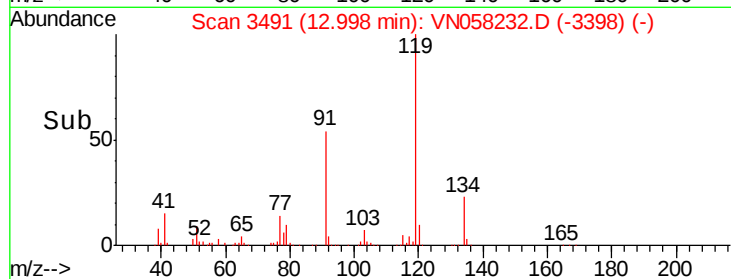
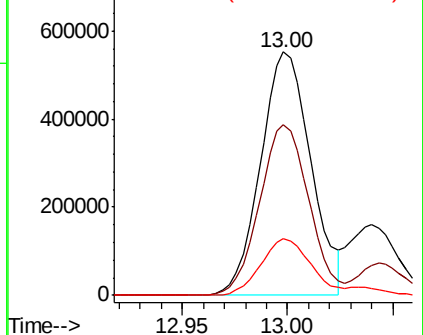
#83
 tert-Butylbenzene
 Concen: 53.534 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 917905
 Ion Ratio Lower Upper
 119 100
 91 68.6 33.8 101.3
 134 23.1 11.6 34.8

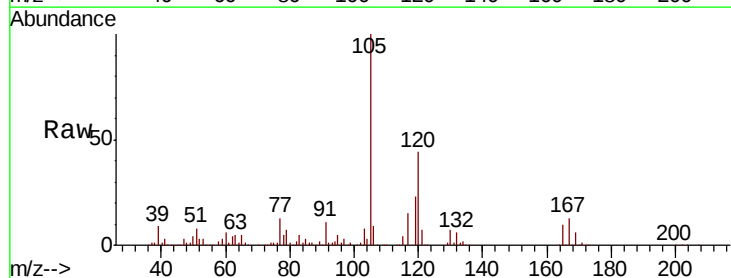


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

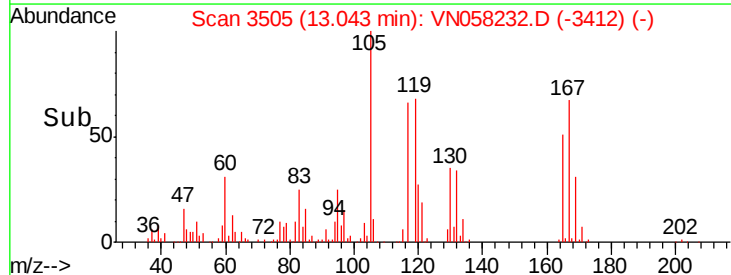
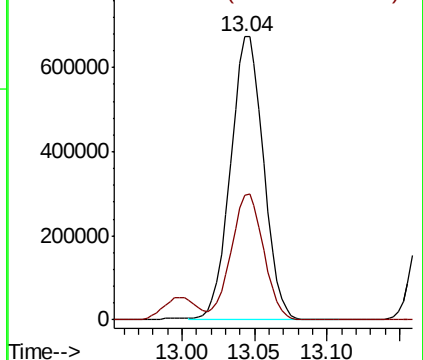


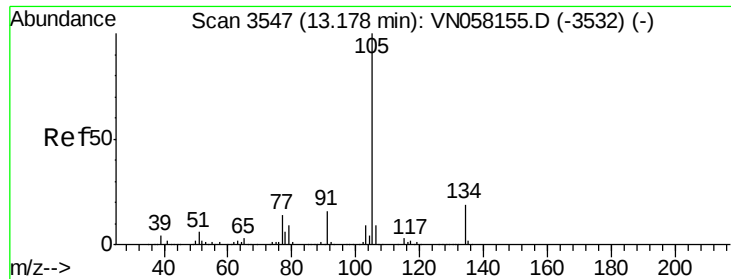
#84
 1,2,4-Trimethylbenzene
 Concen: 55.332 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion:105 Resp: 1058708
 Ion Ratio Lower Upper
 105 100
 120 43.8 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: 55.463 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

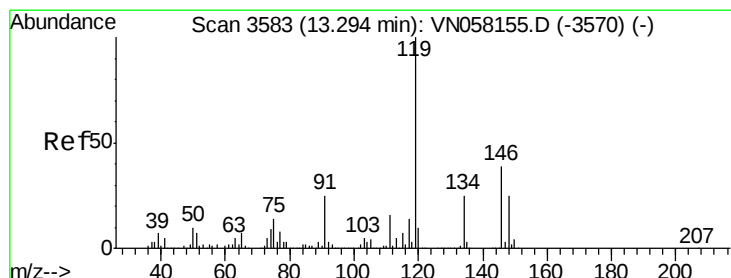
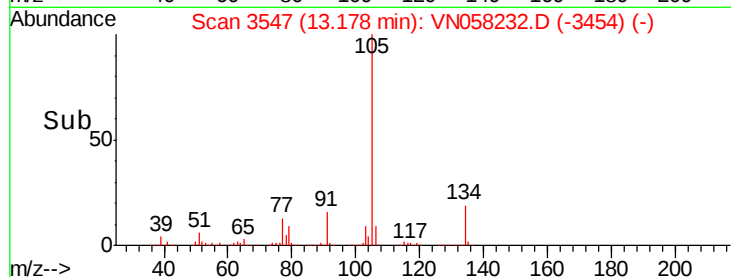
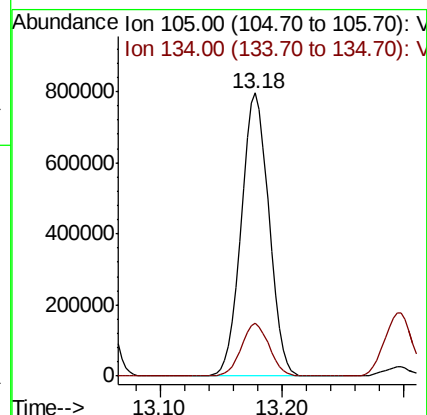
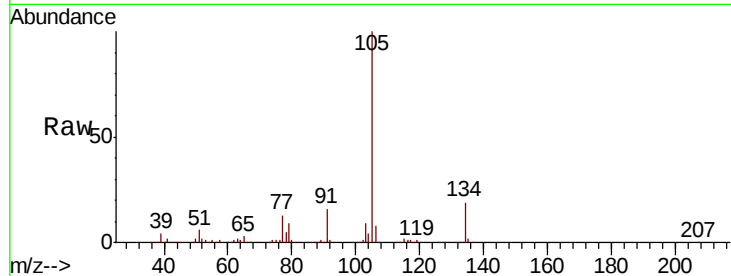
ClientSampled :

Tot Ion:105 Resp: 1243555

Ion Ratio Lower Upper

105 100

134 18.8 9.5 28.5



#86

p-Isopropyltoluene

Concen: 55.756 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

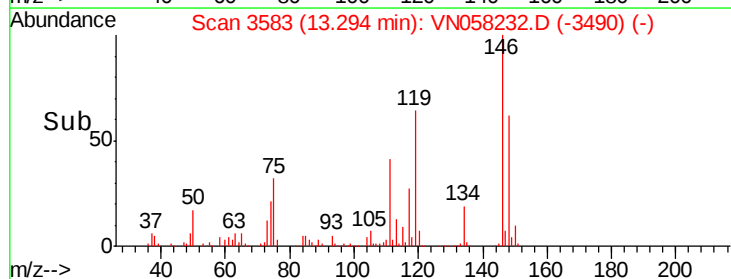
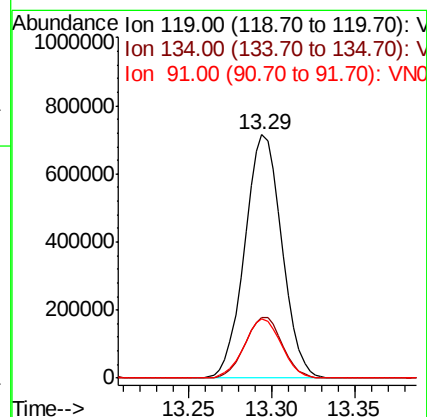
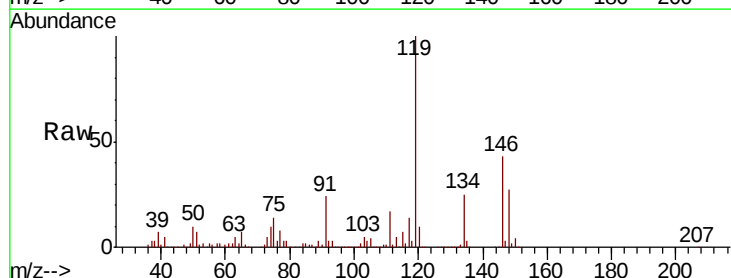
Tgt Ion:119 Resp: 1111390

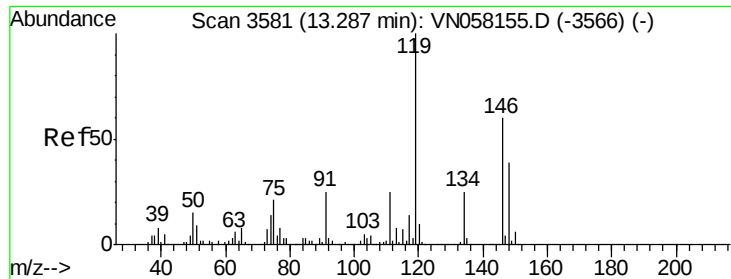
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 24.4 12.3 36.8

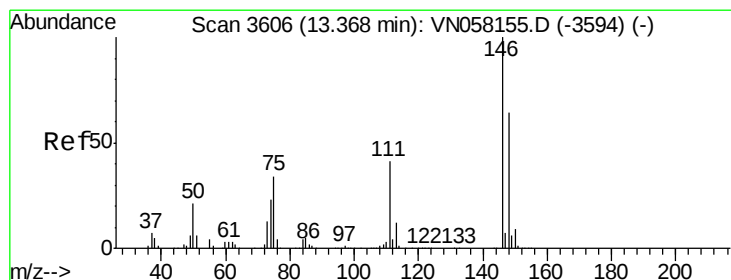
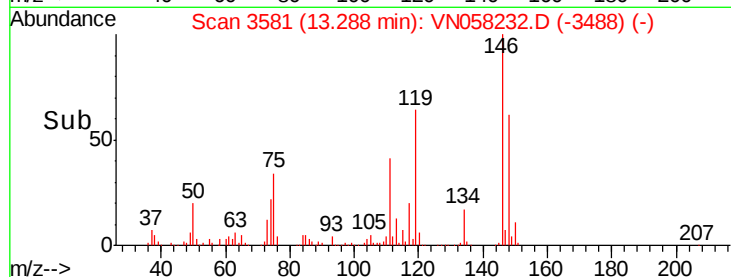
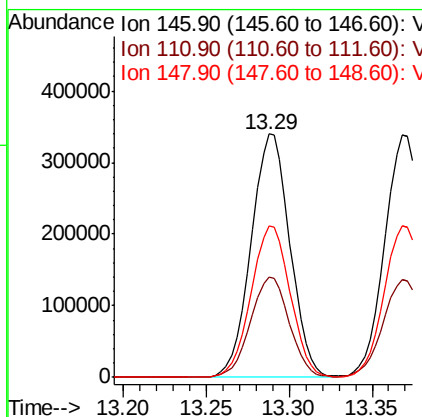
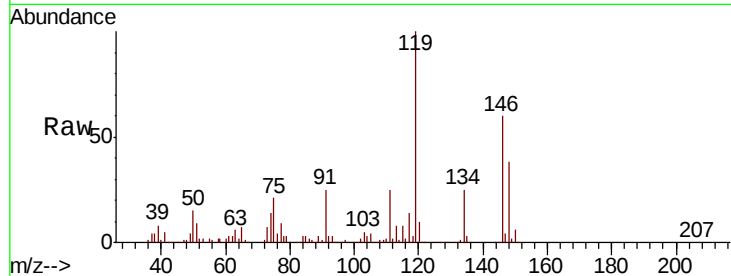




#87
 1,3-Dichlorobenzene
 Concen: 52.938 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

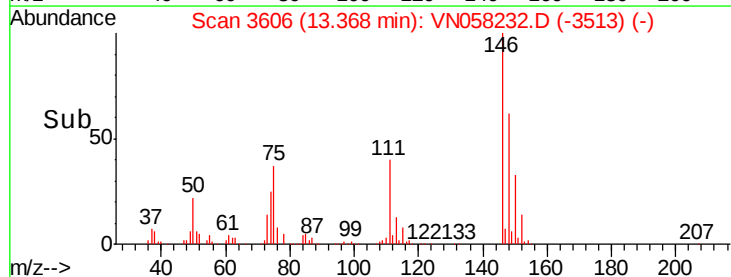
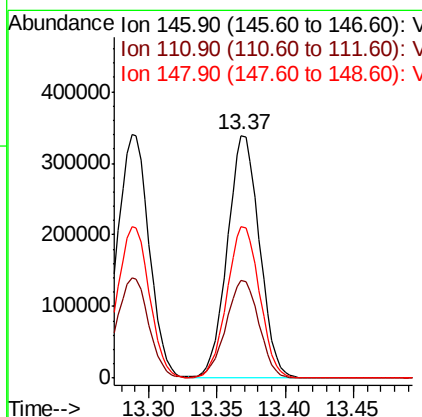
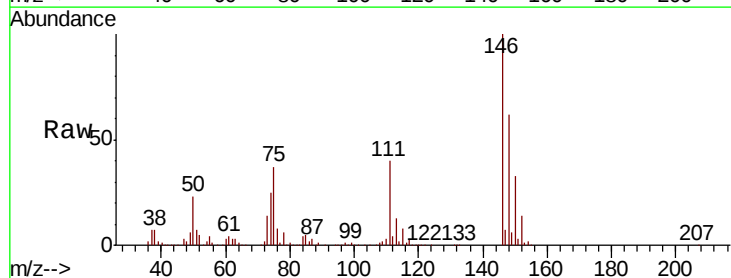
Instrument :
 MSVOA_N
 ClientSampled :

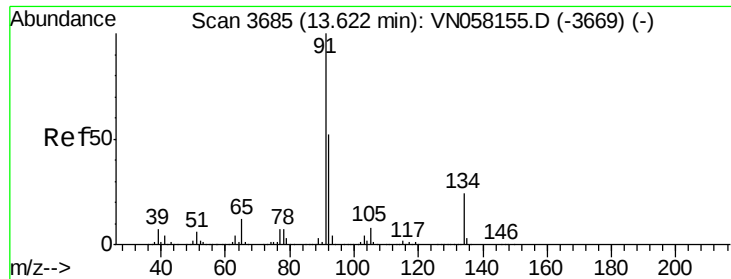
Tot Ion:146 Resp: 553010
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.9 62.8
 148 62.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.878 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion:146 Resp: 553264
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.5
 148 63.6 31.9 95.5





#89

n-Butylbenzene

Concen: 53.919 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampled :

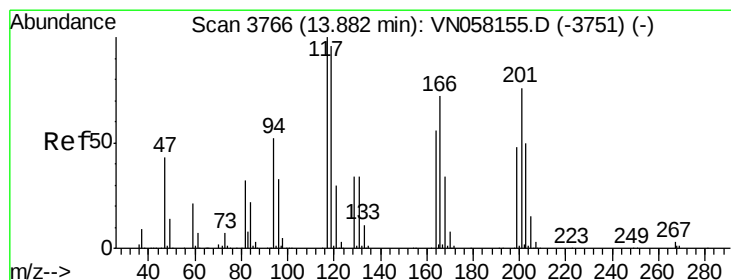
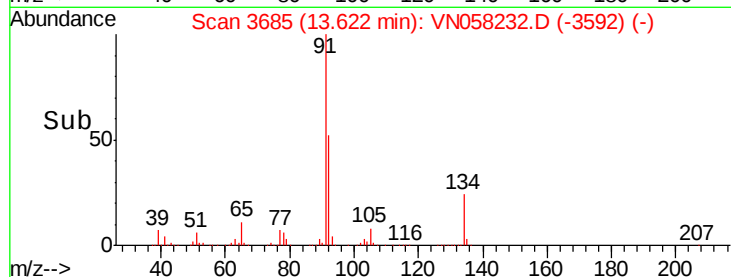
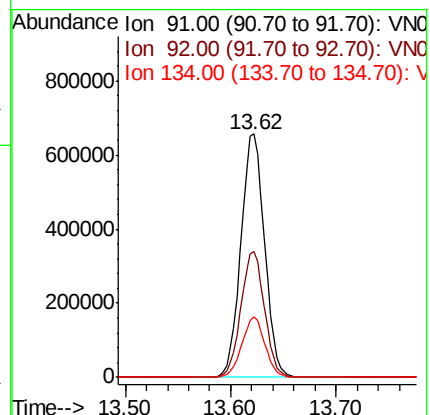
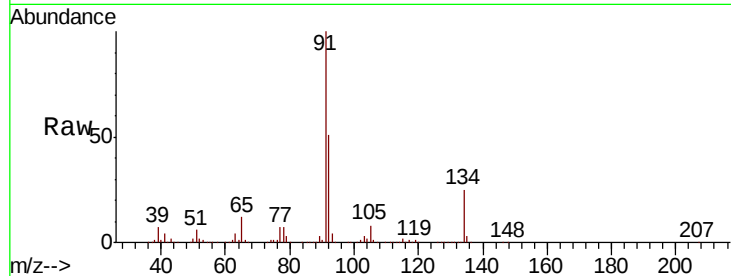
Tot Ion: 91 Resp: 1018959

Ion Ratio Lower Upper

91 100

92 51.4 25.7 77.0

134 24.1 11.8 35.4



#90

Hexachloroethane

Concen: 49.648 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058232.D

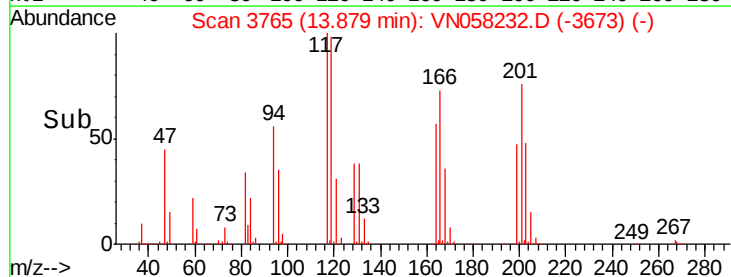
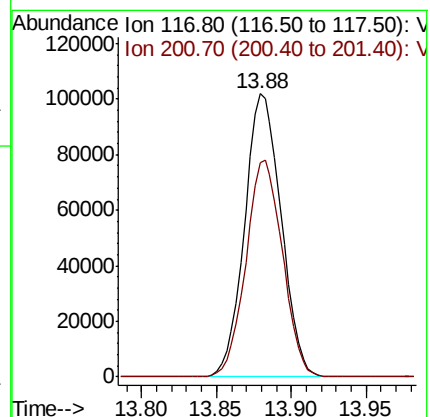
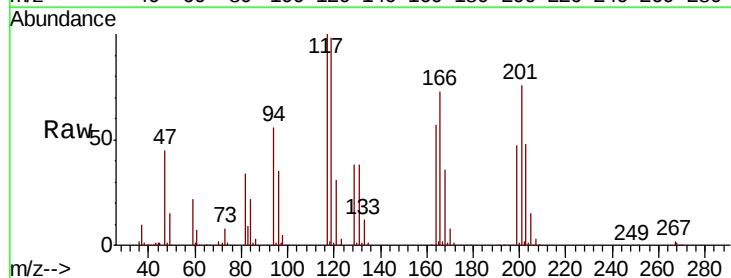
Acq: 20 Sep 2019 1:53

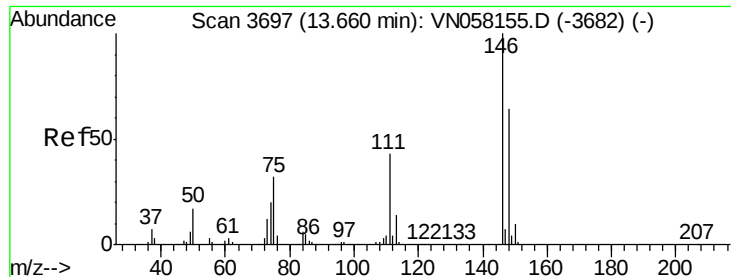
Tgt Ion: 117 Resp: 173467

Ion Ratio Lower Upper

117 100

201 76.6 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 53.797 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

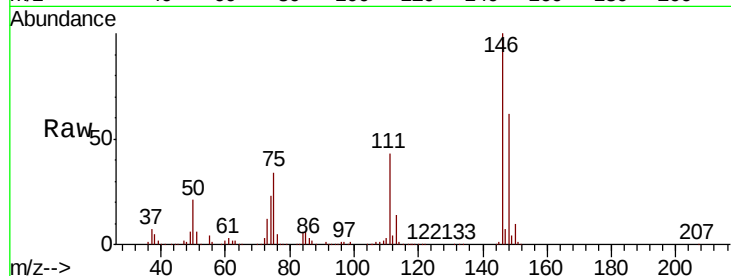
Tot Ion:146 Resp: 563724

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.1

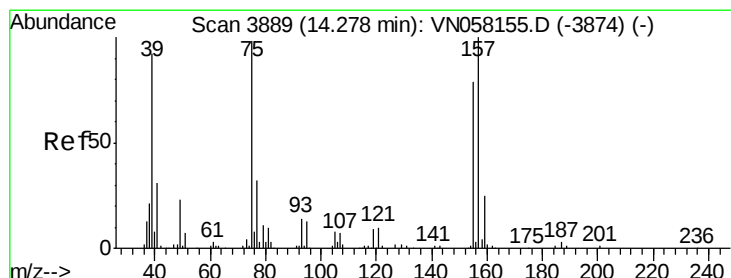
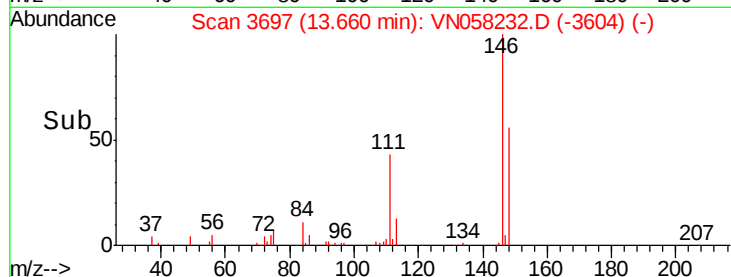
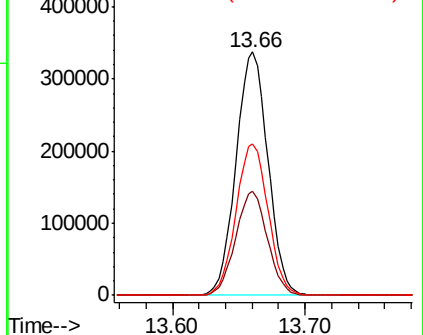
148 62.5 31.8 95.4



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: 56.580 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

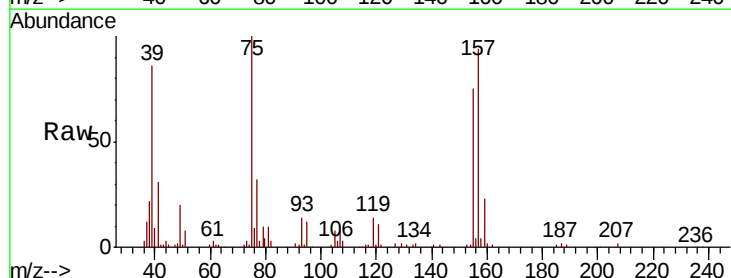
Tgt Ion: 75 Resp: 77558

Ion Ratio Lower Upper

75 100

155 75.2 38.3 114.8

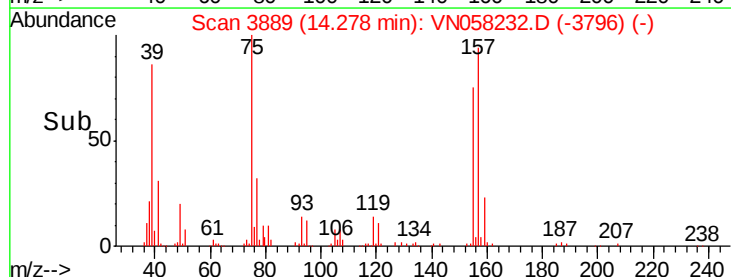
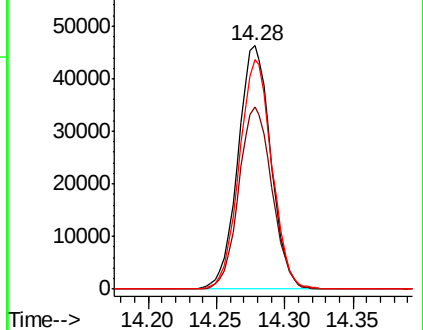
157 93.0 48.0 144.0

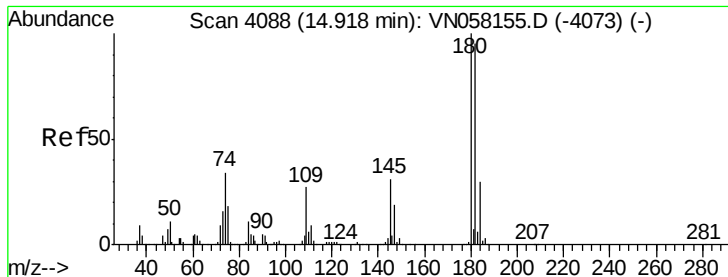


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

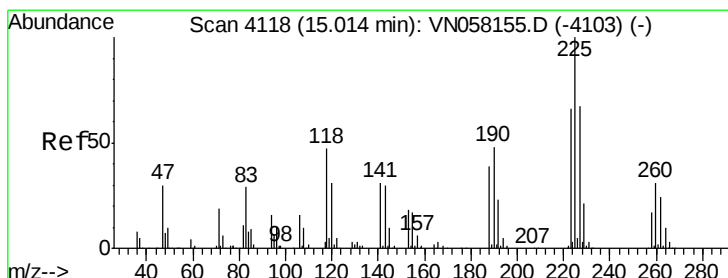
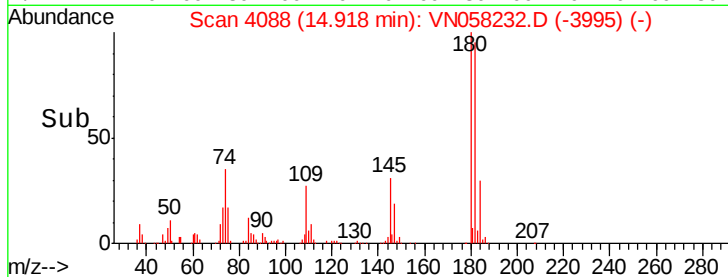
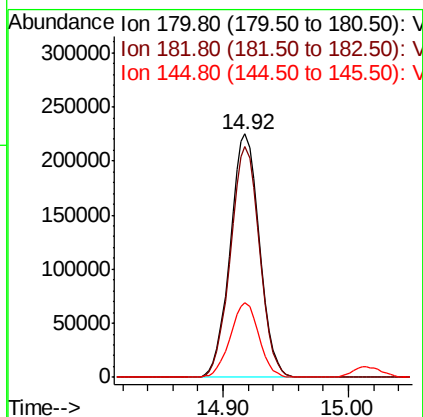
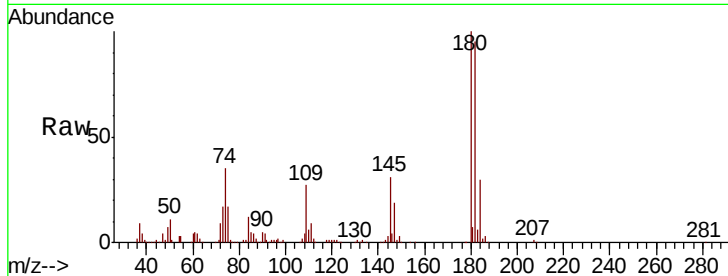




#93
 1,2,4-Trichlorobenzene
 Concen: 54.226 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

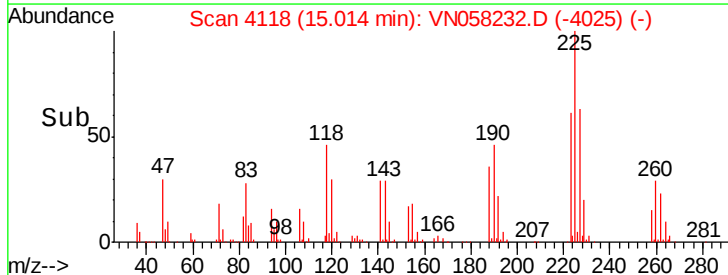
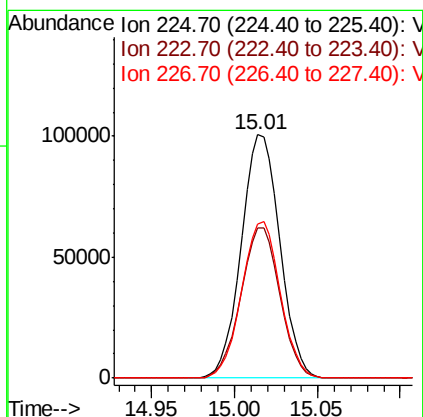
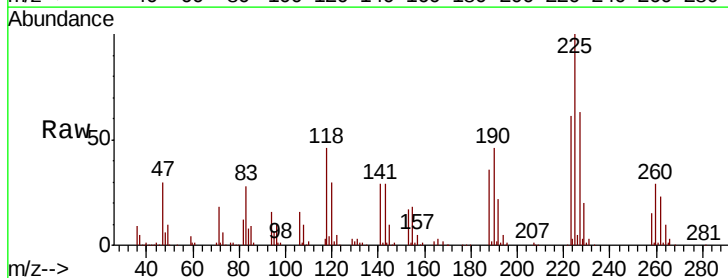
Instrument :
 MSVOA_N
 ClientSampleId :

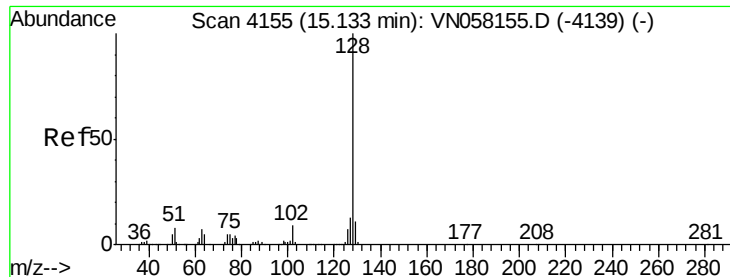
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.8	143.3
145	30.1	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 50.360 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058232.D
 Acq: 20 Sep 2019 1:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.6	97.7
227	64.2	33.0	99.0





#95

Naphthalene

Concen: 59.343 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

Instrument :

MSVOA_N

ClientSampleId :

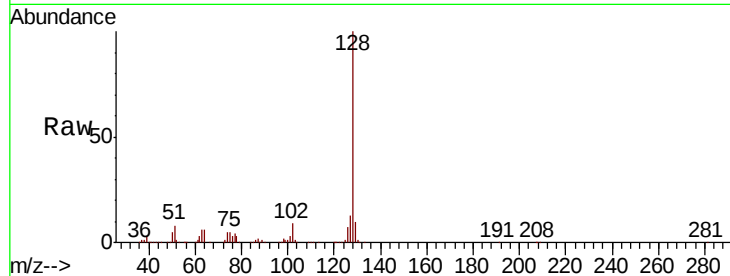
Tot Ion:128 Resp: 1029658

Ion Ratio Lower Upper

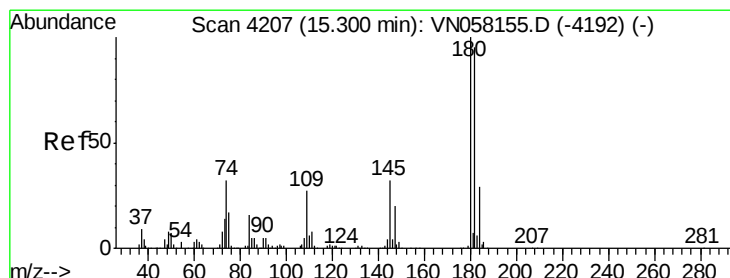
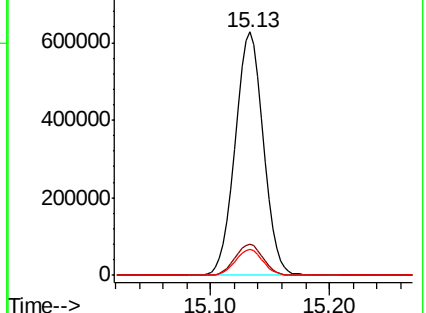
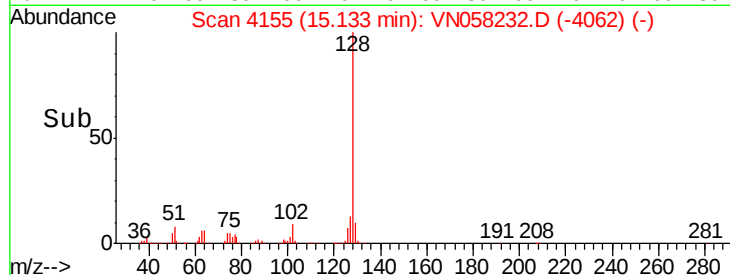
128 100

127 12.8 10.2 15.2

129 10.5 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: 55.396 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058232.D

Acq: 20 Sep 2019 1:53

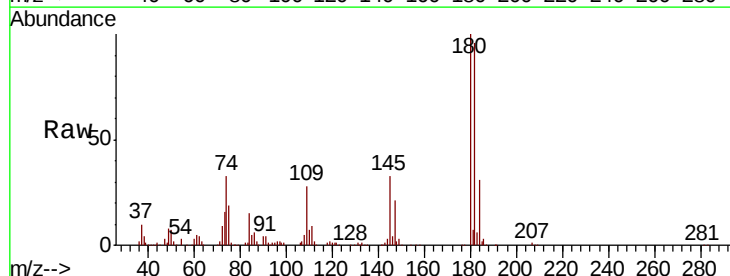
Tgt Ion:180 Resp: 350547

Ion Ratio Lower Upper

180 100

182 94.6 47.4 142.2

145 32.2 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

