

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058561.D
 Acq On : 7 Oct 2019 12:56
 Operator : JC/SP
 Sample : VN1007WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 13:53:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	80778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	464273	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	418332	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	213701	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.41	95	215342	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	595292	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99195	20.420 ug/l	98
3) Chloromethane	2.04	50	135965	24.241 ug/l	100
4) Vinyl Chloride	2.17	62	121070	21.632 ug/l	98
5) Bromomethane	2.54	94	59529	19.588 ug/l	98
6) Chloroethane	2.68	64	75361	22.784 ug/l	93
7) Trichlorofluoromethane	3.00	101	151097	22.929 ug/l	99
8) Diethyl Ether	3.39	74	58883	20.100 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	92027	20.287 ug/l	99
10) 1,1-Dichloroethene	3.71	96	87799	19.799 ug/l	94
11) Methyl Iodide	3.93	142	76958	16.926 ug/l	97
12) Methyl Acetate	4.30	43	118588	20.079 ug/l	100
13) Acrolein	3.58	56	35928	213.927 ug/l	98
14) Acrylonitrile	4.96	53	239121	98.053 ug/l	99
15) Acetone	3.79	58	73463	108.643 ug/l	97
16) Carbon Disulfide	4.03	76	245300	19.905 ug/l	100
17) Allyl chloride	4.30	41	171113	20.658 ug/l	99
18) Methylene Chloride	4.53	84	107701	20.588 ug/l	94
19) trans-1,2-Dichloroethene	5.01	96	97349	19.581 ug/l	97
20) Diisopropyl ether	5.93	45	360721	20.438 ug/l	97
21) 1,1-Dichloroethane	5.82	63	205342	20.791 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	116116	20.108 ug/l	99
23) tert-Butyl Alcohol	4.76	59	82297	91.414 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	326379	20.504 ug/l #	78
25) Chloroform	7.36	83	201321	20.131 ug/l	99
26) Cyclohexane	7.63	56	172204	18.655 ug/l	99
29) 1,1-Dichloropropene	7.78	75	149677	19.750 ug/l	98
30) 2-Butanone	6.82	43	335415	97.474 ug/l	99
31) 2,2-Dichloropropane	6.80	77	183466	23.515 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	176525	21.596 ug/l	99
33) Carbon Tetrachloride	7.76	117	146635	21.115 ug/l	96
34) Benzene	8.03	78	441117	20.519 ug/l	99
35) Methacrylonitrile	7.16	41	65249	22.046 ug/l	93
36) 1,2-Dichloroethane	8.11	62	168946	20.061 ug/l	99
37) Trichloroethene	8.82	130	107807	20.031 ug/l	97
38) Methylcyclohexane	9.07	83	168205	18.355 ug/l	99
39) 1,2-Dichloropropane	9.11	63	119578	20.392 ug/l	95
40) Dibromomethane	9.20	93	74789	20.207 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	153714	21.012	ug/l	96
42) Vinyl Acetate	5.87	43	1474467	112.224	ug/l	99
43) Ethyl Acetate	6.91	43	139079	20.356	ug/l	100
44) Isopropyl Acetate	8.15	43	239485	19.581	ug/l	97
45) 1,4-Dioxane	9.19	88	34389	333.293	ug/l	95
46) Methyl methacrylate	9.19	41	109585	18.906	ug/l	94
47) n-amyl Acetate	12.07	43	207545	19.495	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	172352	21.562	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	186633	20.970	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	106946	20.676	ug/l	97
51) Ethyl methacrylate	10.43	69	154933	18.932	ug/l	98
52) 1,3-Dichloropropane	10.71	76	186381	20.289	ug/l	98
53) Dibromochloromethane	10.90	129	107321	20.653	ug/l	99
54) 1,2-Dibromoethane	11.00	107	104431	19.784	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	373929	107.908	ug/l	100
56) Bromoform	12.13	173	68109	20.780	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	687616	104.903	ug/l	100
59) 2-Hexanone	10.75	43	495410	99.975	ug/l	100
61) Tetrachloroethene	10.63	164	94581	21.581	ug/l	98
62) Toluene	10.15	91	475610	20.759	ug/l	100
64) Chlorobenzene	11.44	112	281385	19.986	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	104179	21.107	ug/l	99
66) Ethyl Benzene	11.51	91	524333	20.988	ug/l	99
67) m/p-Xylenes	11.62	106	379928	39.612	ug/l	99
68) o-Xylene	11.95	106	184514	19.784	ug/l	99
69) Styrene	11.97	104	293314	18.807	ug/l	99
70) Isopropylbenzene	12.25	105	499172	20.654	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	152692	19.878	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	195235	29.553	ug/l	62
73) Bromobenzene	12.53	156	117204	20.021	ug/l	97
74) n-propylbenzene	12.60	91	594837	21.349	ug/l	99
75) 2-Chlorotoluene	12.68	91	349913	20.076	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	425128	20.428	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	42669	19.801	ug/l	92
78) 4-Chlorotoluene	12.78	91	355560	19.905	ug/l	100
79) tert-butylbenzene	13.00	119	350506	19.453	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	420119	20.225	ug/l	98
81) sec-Butylbenzene	13.18	105	476551	20.165	ug/l	100
82) p-Isopropyltoluene	13.30	119	425125	19.976	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	209648	19.411	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	205268	19.096	ug/l	99
85) n-Butylbenzene	13.62	91	385314	19.487	ug/l	100
86) Hexachloroethane	13.88	117	69860	20.323	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	204991	19.437	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	28730	19.163	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	117115	16.998	ug/l	98
90) Hexachlorobutadiene	15.02	225	57463	17.236	ug/l	98
91) Naphthalene	15.13	128	328510	17.362	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	113238	17.112	ug/l	98

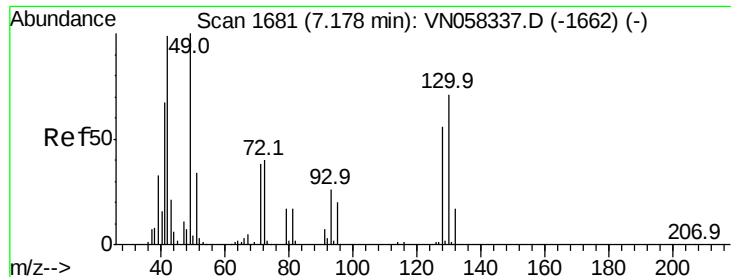
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :

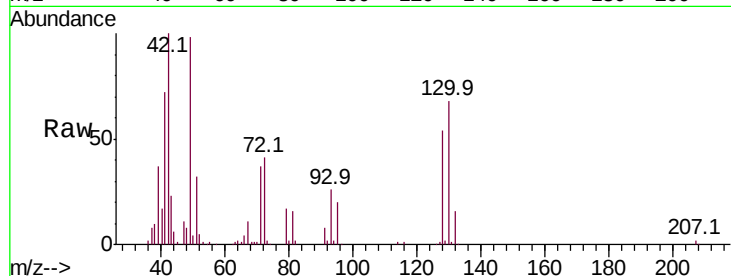
Tot Ion:128 Resp: 80778

Ion Ratio Lower Upper

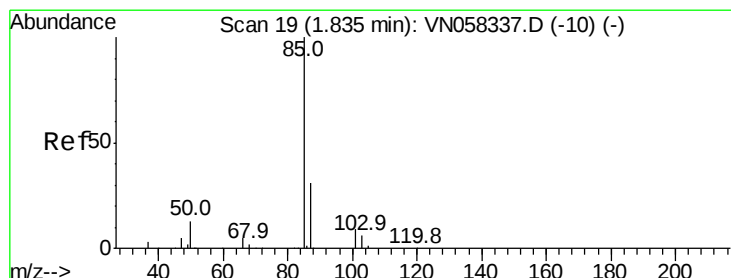
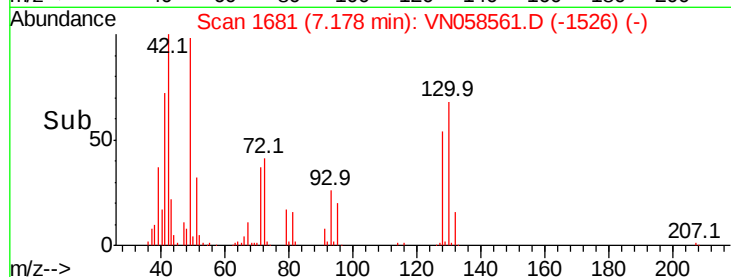
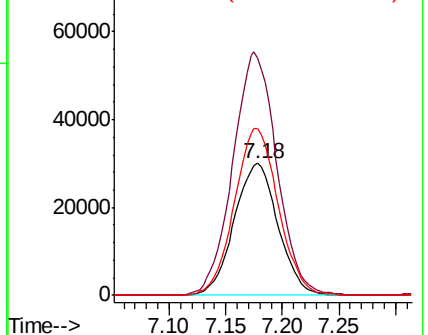
128 100

49 185.1 0.0 458.5

130 127.1 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.420 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058561.D

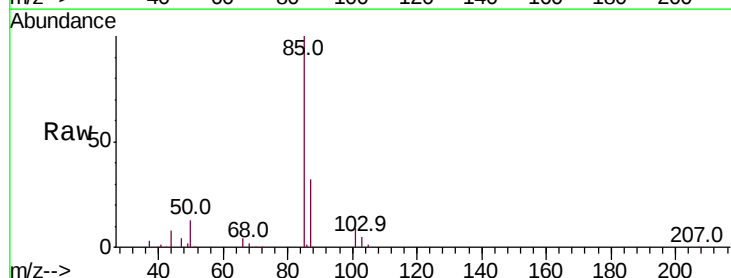
Acq: 7 Oct 2019 12:56

Tgt Ion: 85 Resp: 99195

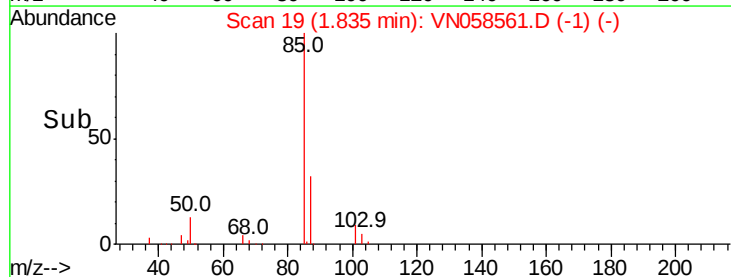
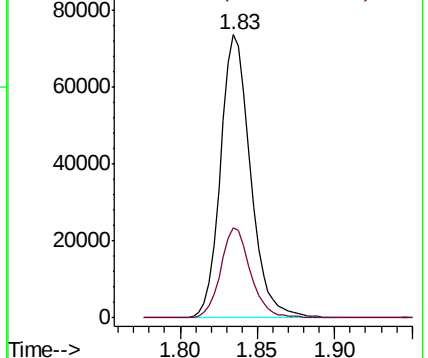
Ion Ratio Lower Upper

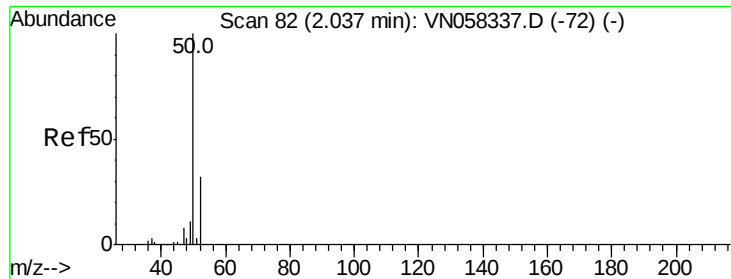
85 100

87 32.0 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 24.241 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

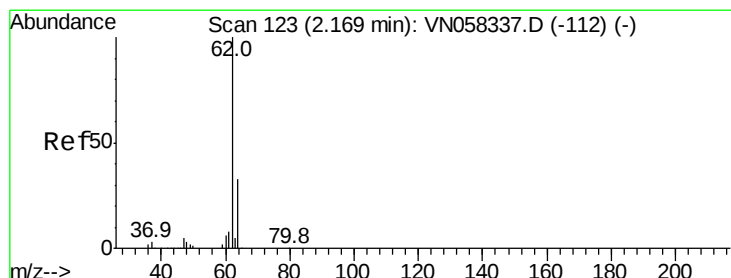
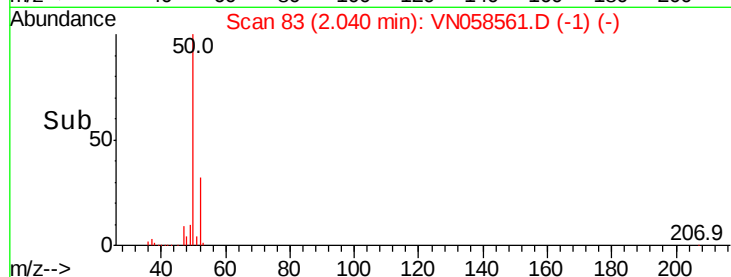
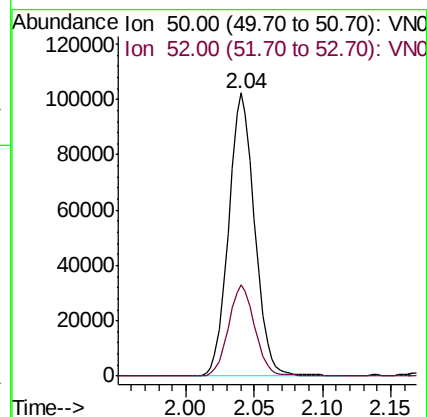
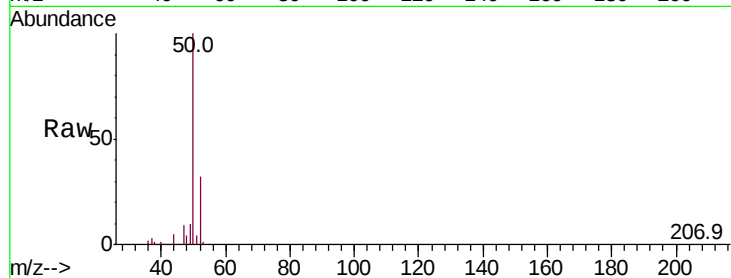
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 135965

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9



#4

Vinyl Chloride

Concen: 21.632 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058561.D

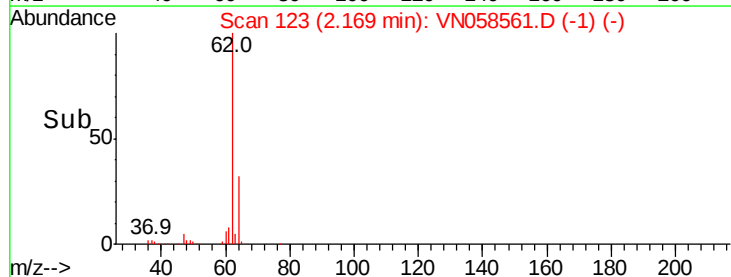
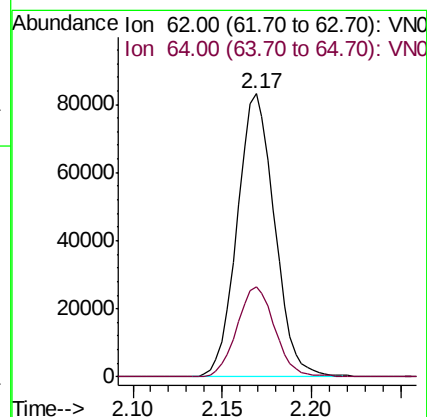
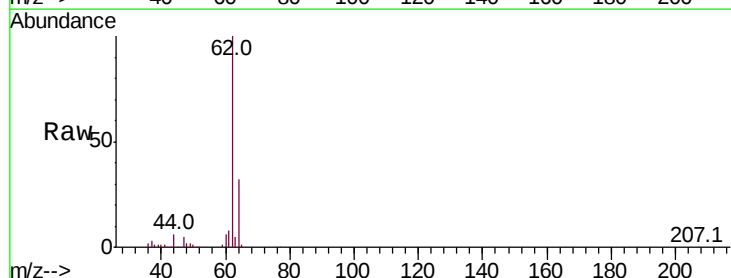
Acq: 7 Oct 2019 12:56

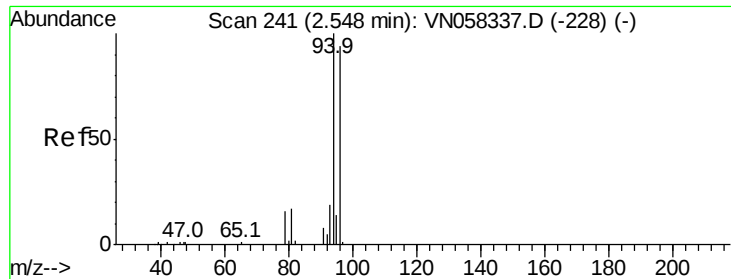
Tgt Ion: 62 Resp: 121070

Ion Ratio Lower Upper

62 100

64 31.9 26.6 40.0





#5

Bromomethane

Concen: 19.588 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

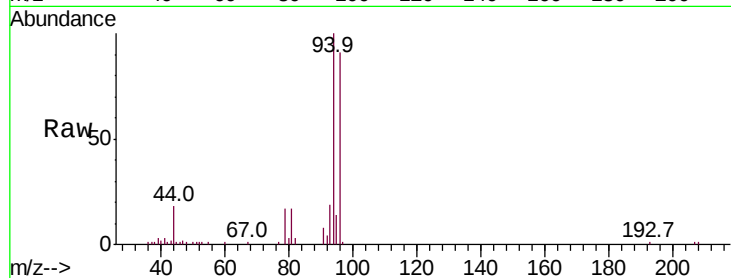
ClientSampleId :

Tot Ion: 94 Resp: 59529

Ion Ratio Lower Upper

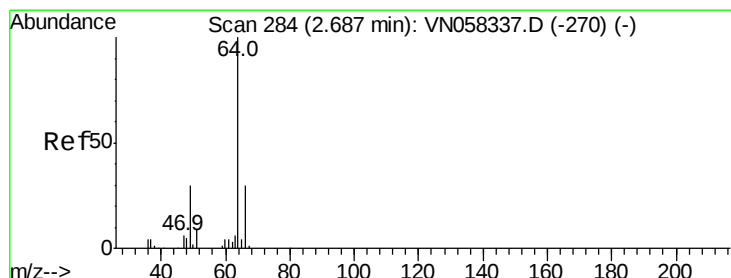
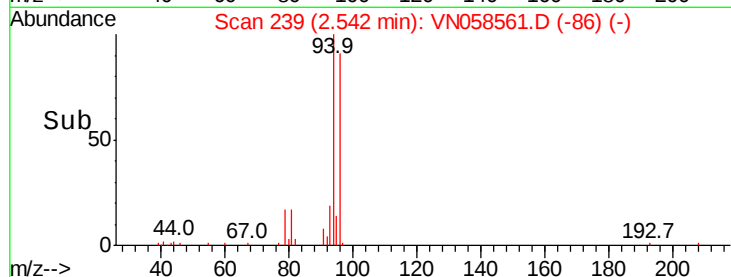
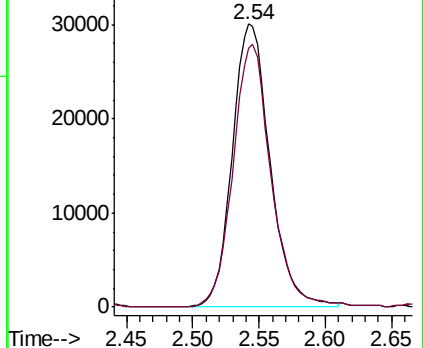
94 100

96 91.4 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 22.784 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058561.D

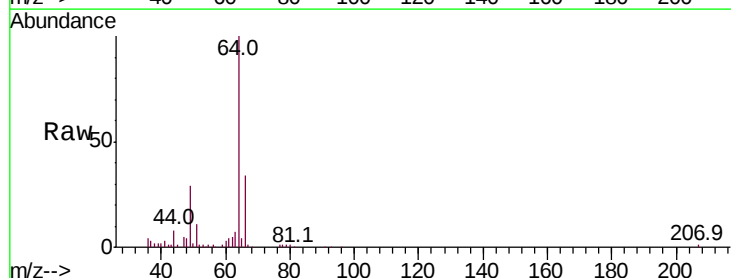
Acq: 7 Oct 2019 12:56

Tgt Ion: 64 Resp: 75361

Ion Ratio Lower Upper

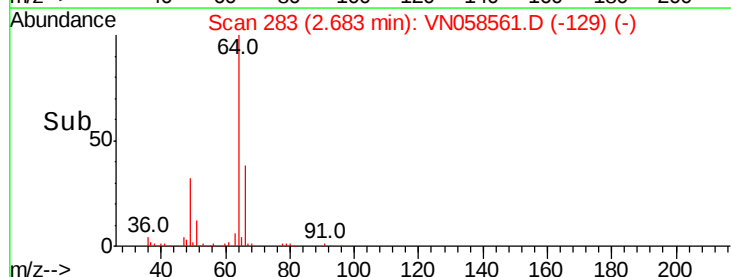
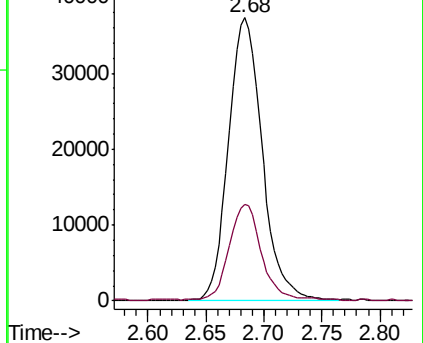
64 100

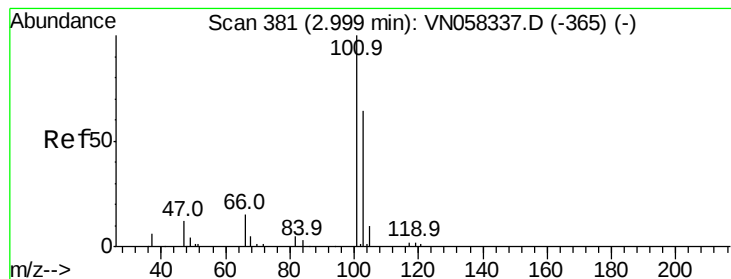
66 33.7 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



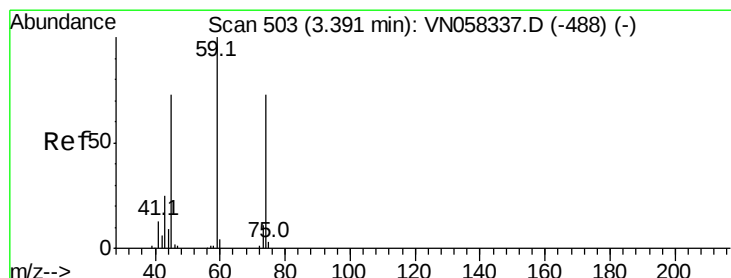
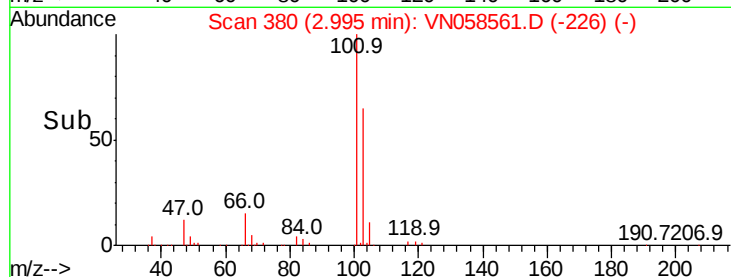
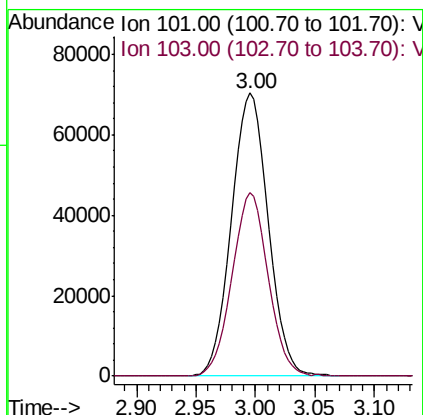
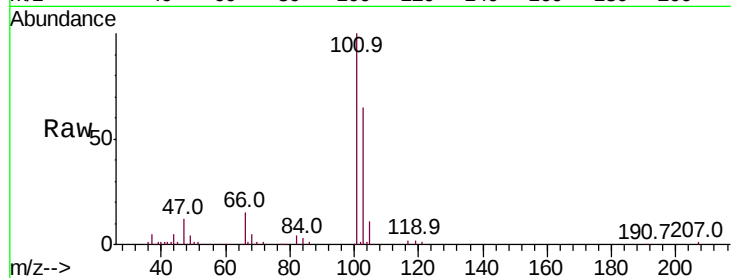


#7

Trichlorofluoromethane
 Concen: 22.929 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :

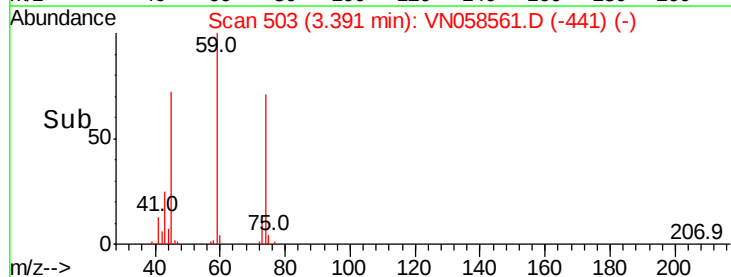
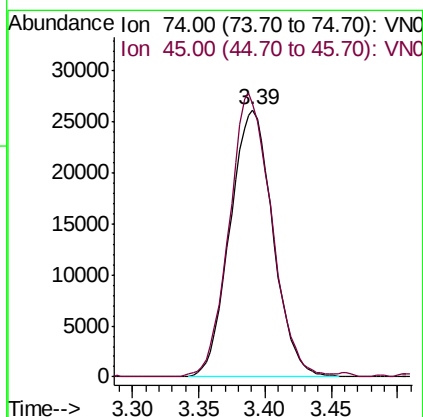
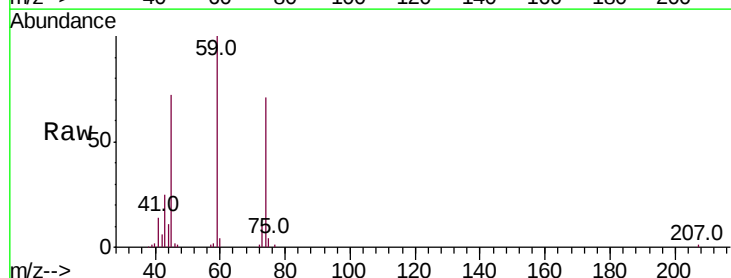
Tot Ion:101 Resp: 151097
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

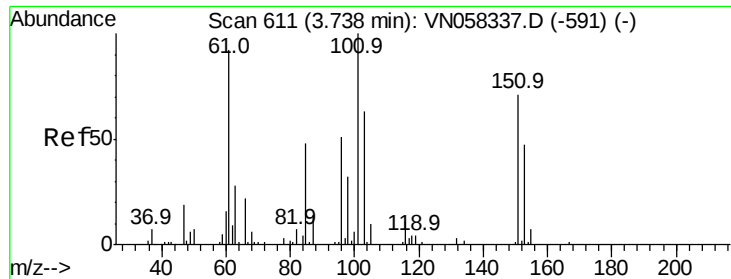


#8

Diethyl Ether
 Concen: 20.100 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion: 74 Resp: 58883
 Ion Ratio Lower Upper
 74 100
 45 105.0 20.8 187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.287 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

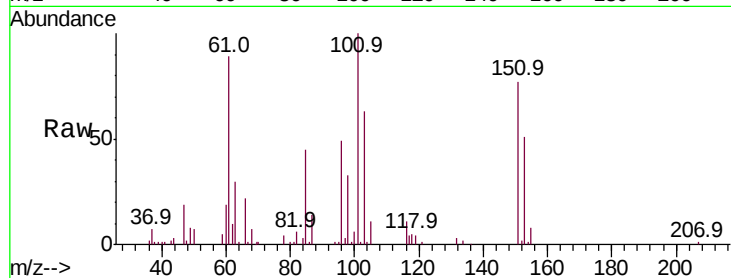
Tot Ion:101 Resp: 92027

Ion Ratio Lower Upper

101 100

85 46.3 0.0 93.0

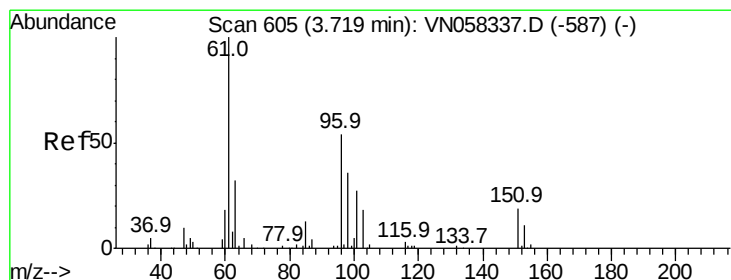
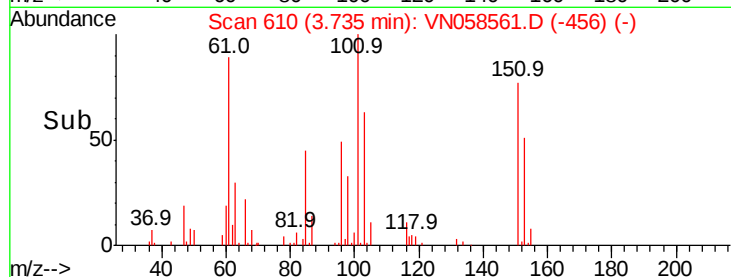
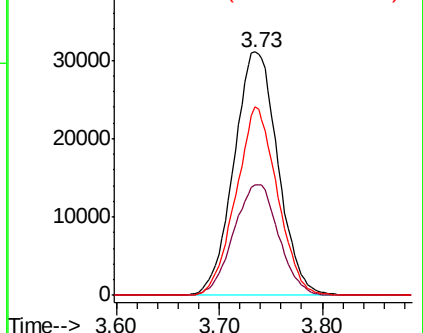
151 72.7 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.799 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

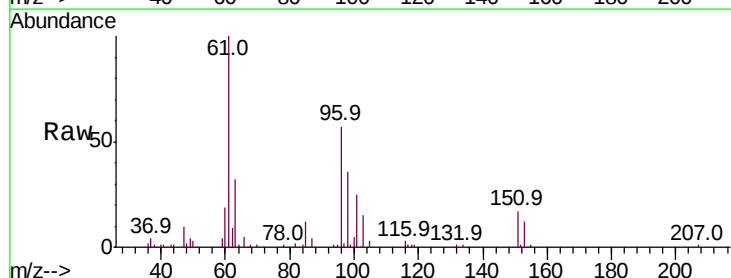
Tgt Ion: 96 Resp: 87799

Ion Ratio Lower Upper

96 100

61 173.9 146.9 220.3

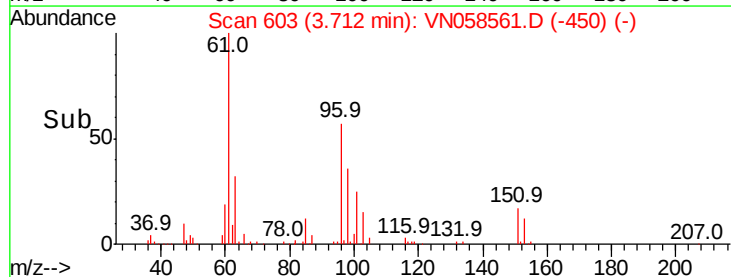
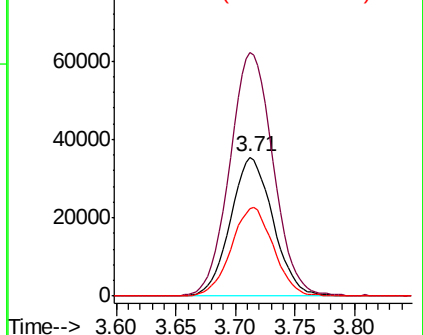
98 62.5 52.3 78.5

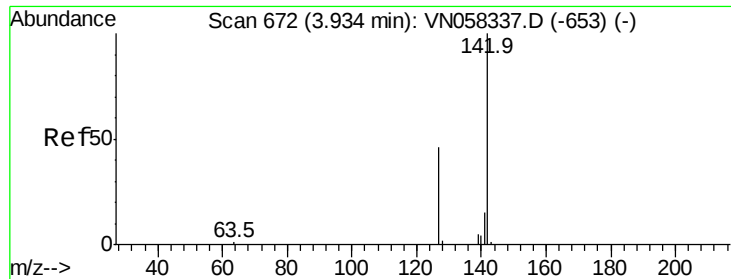


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

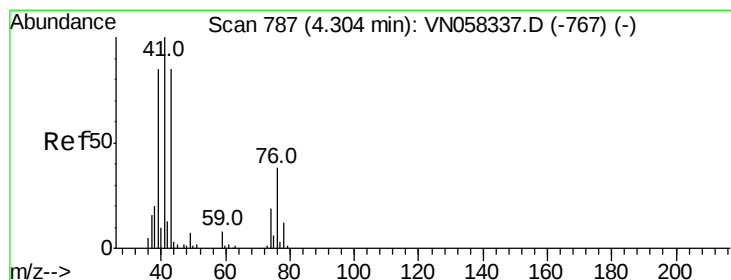
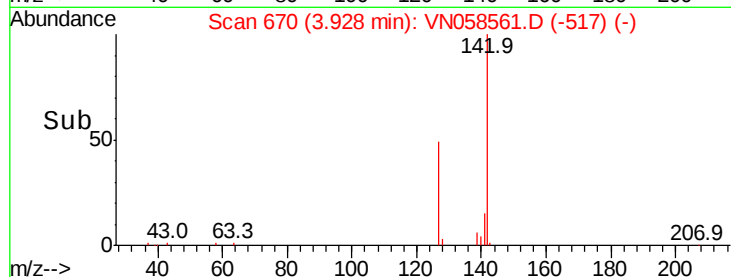
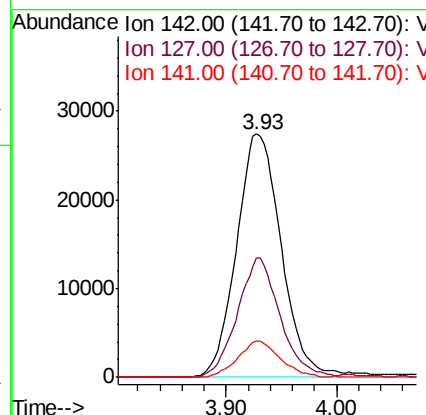
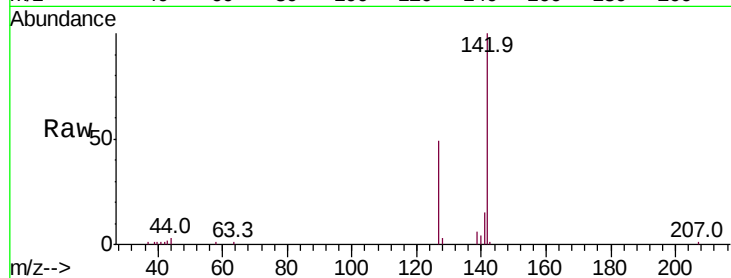




#11
Methvl Iodide
Concen: 16.926 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

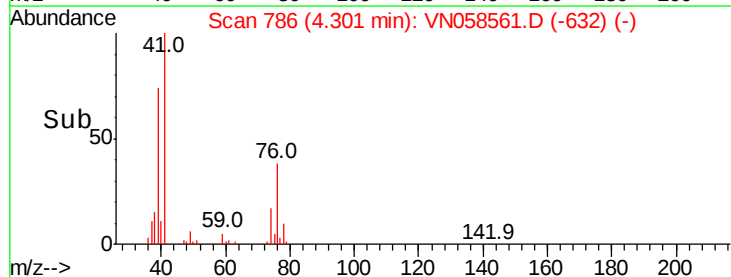
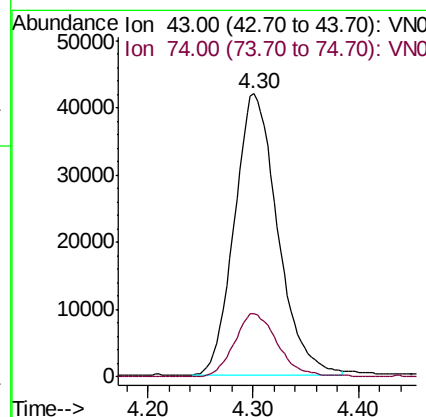
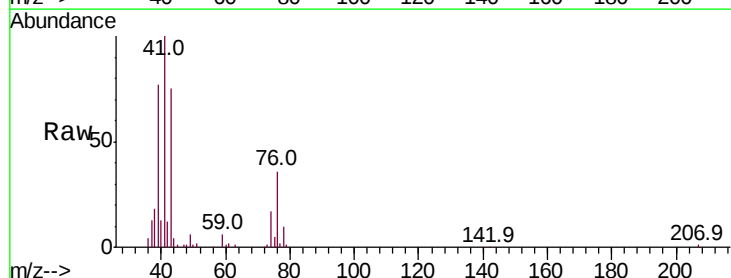
Instrument :
MSVOA_N
ClientSampleId :

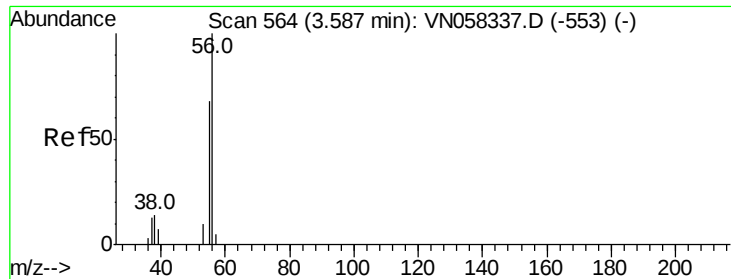
Tot Ion:142 Resp: 76958
Ion Ratio Lower Upper
142 100
127 48.7 22.9 68.7
141 15.1 7.4 22.3



#12
Methyl Acetate
Concen: 20.079 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 43 Resp: 118588
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6

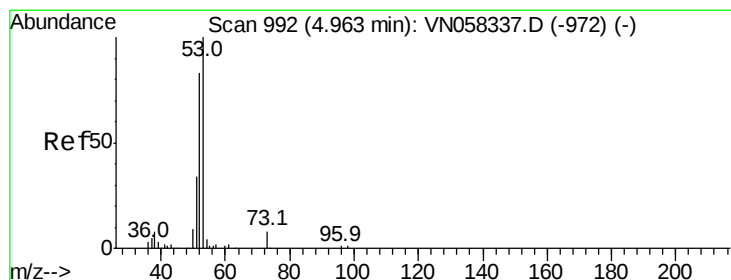
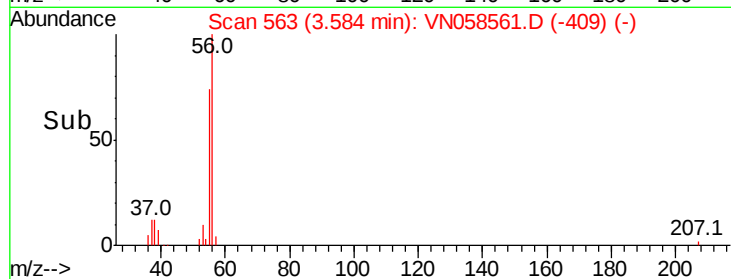
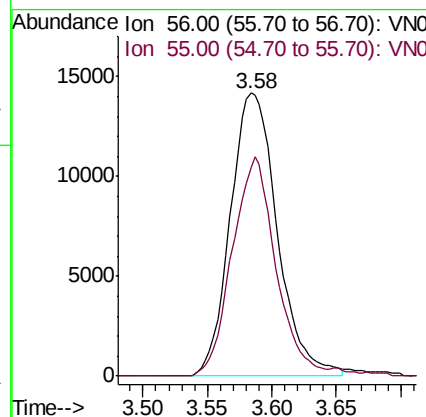
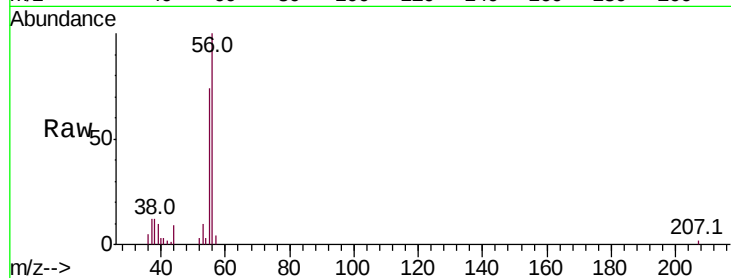




#13
Acrolein
Concen: 213.927 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

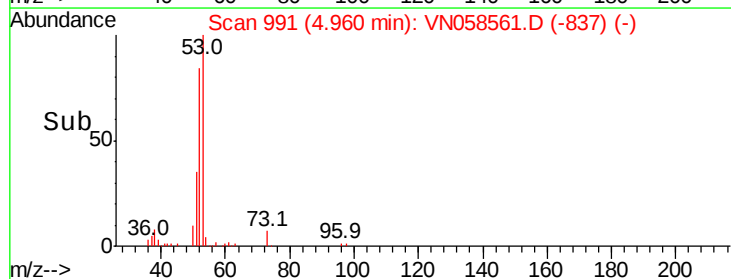
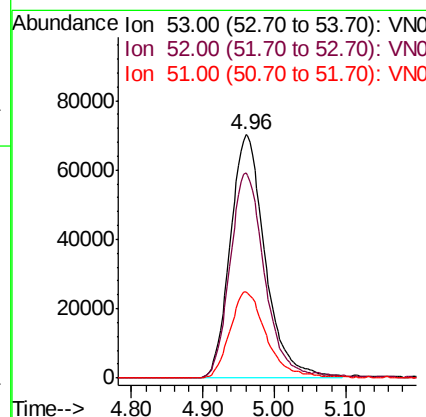
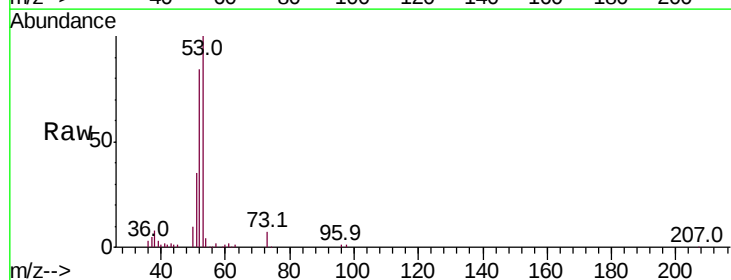
Instrument :
MSVOA_N
ClientSampleId :

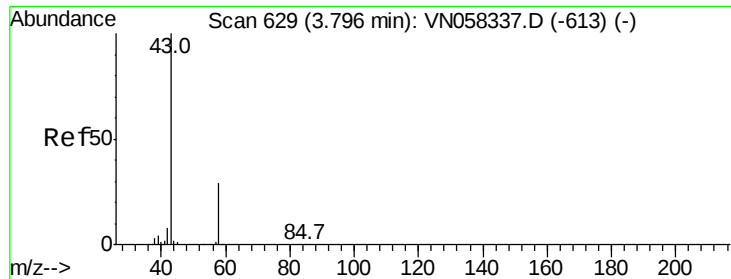
Tot Ion: 56 Resp: 35928
Ion Ratio Lower Upper
56 100
55 71.5 58.4 87.6



#14
Acrylonitrile
Concen: 98.053 ug/l
RT: 4.96 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 53 Resp: 239121
Ion Ratio Lower Upper
53 100
52 82.8 41.3 123.7
51 37.0 18.3 54.8

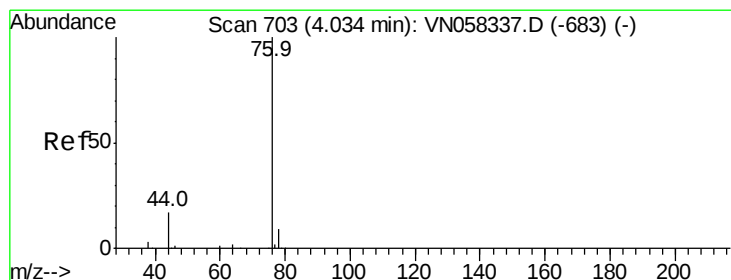
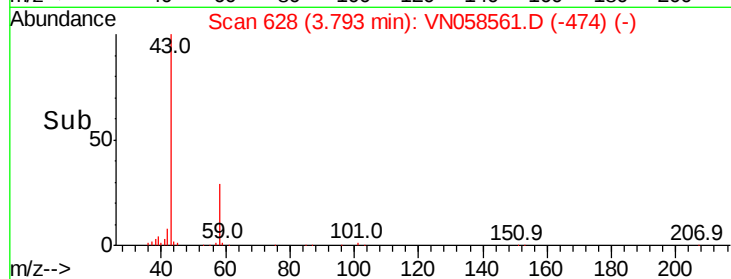
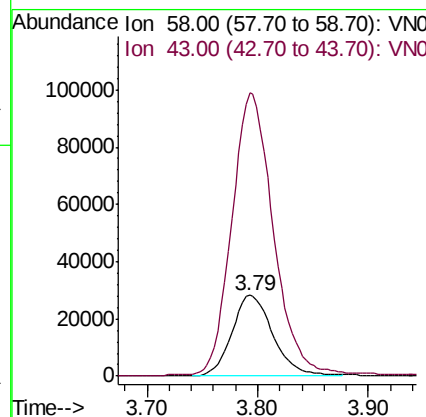
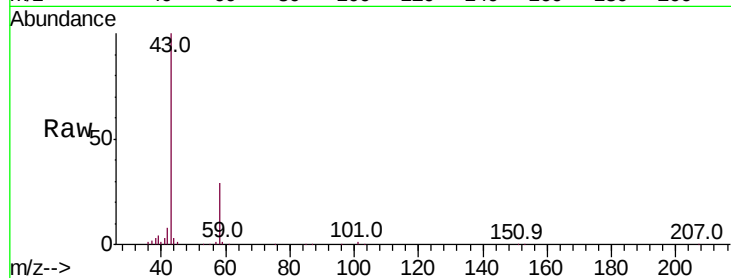




#15
Acetone
Concen: 108.643 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

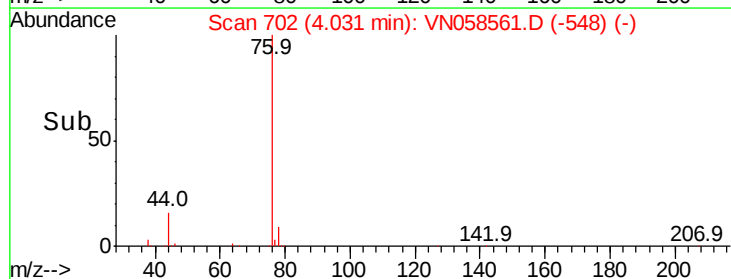
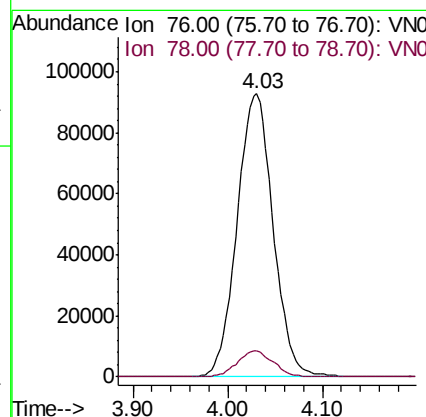
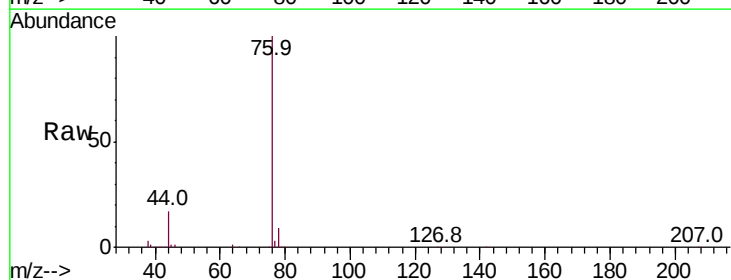
Instrument :
MSVOA_N
ClientSampled :

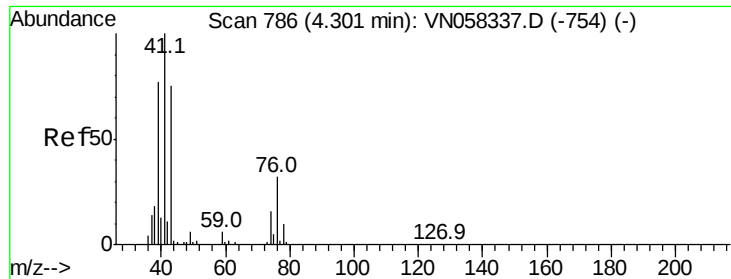
Tot Ion: 58 Resp: 73463
Ion Ratio Lower Upper
58 100
43 347.8 272.6 409.0



#16
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 76 Resp: 245300
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

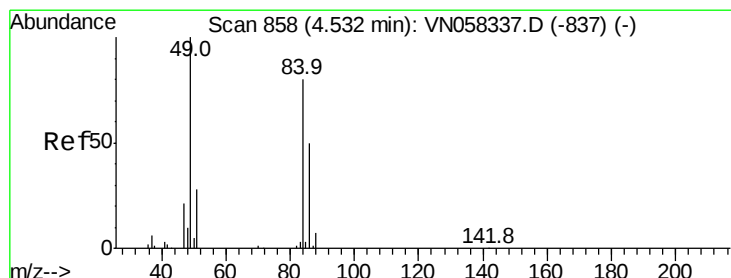
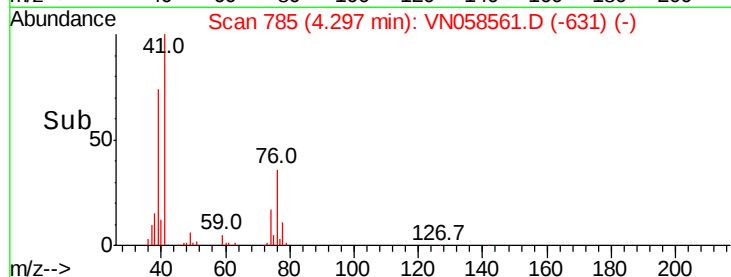
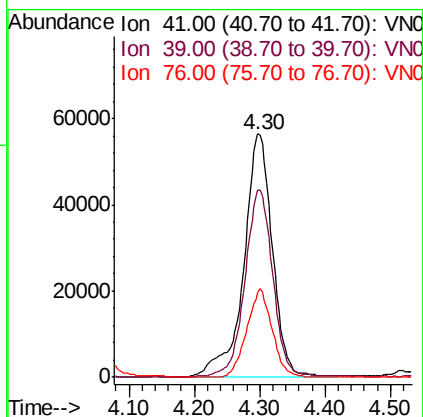
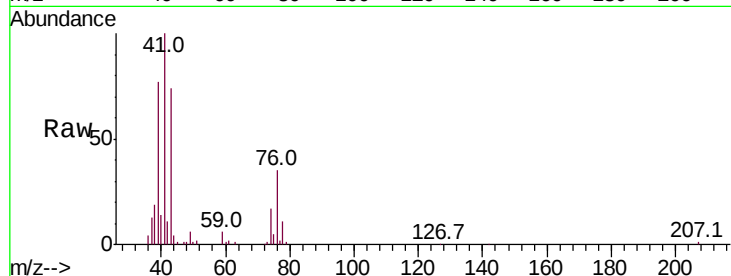




#17
Allvl chloride
Concen: 20.658 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

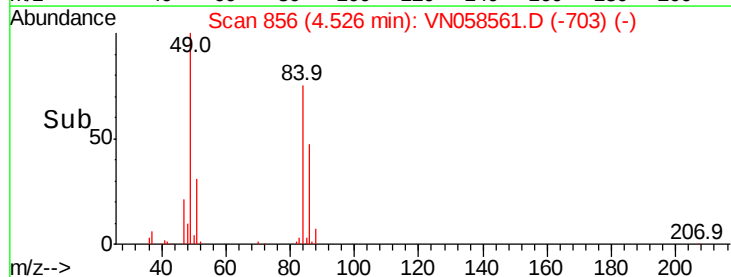
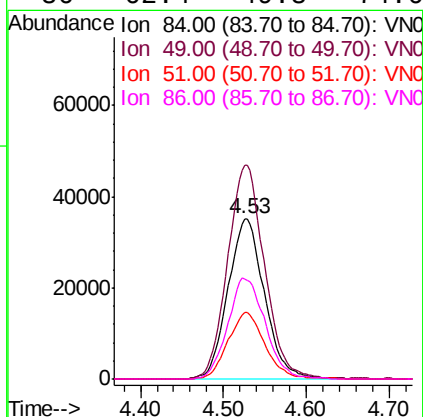
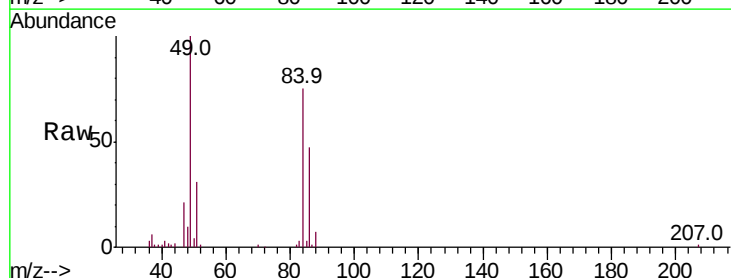
Instrument :
MSVOA_N
ClientSampleId :

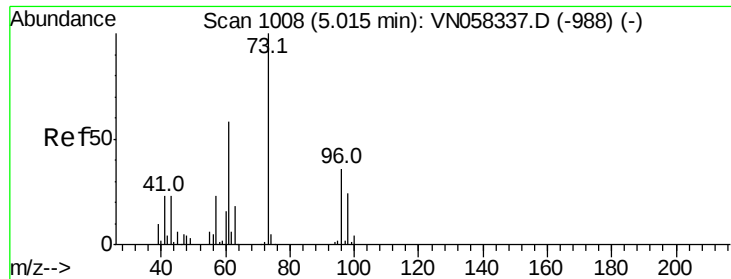
Tot Ion: 41 Resp: 171113
Ion Ratio Lower Upper
41 100
39 77.1 38.7 116.1
76 35.0 16.4 49.1



#18
Methylene Chloride
Concen: 20.588 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 84 Resp: 107701
Ion Ratio Lower Upper
84 100
49 133.0 99.8 149.6
51 41.6 28.3 42.5
86 62.4 49.8 74.6

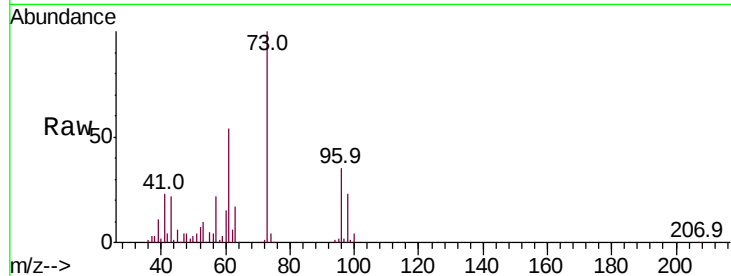




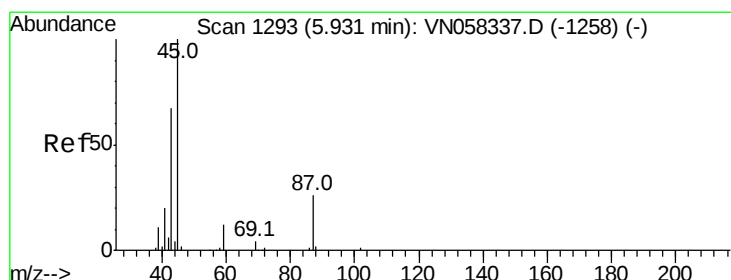
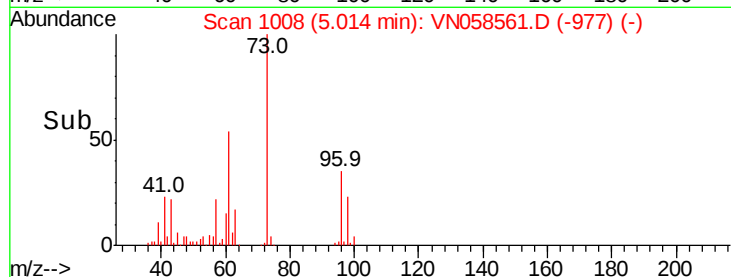
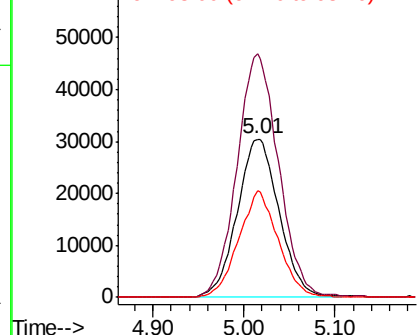
#19
trans-1,2-Dichloroethene
Concen: 19.581 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 97349
Ion Ratio Lower Upper
96 100
61 154.1 128.0 192.0
98 67.1 53.0 79.6

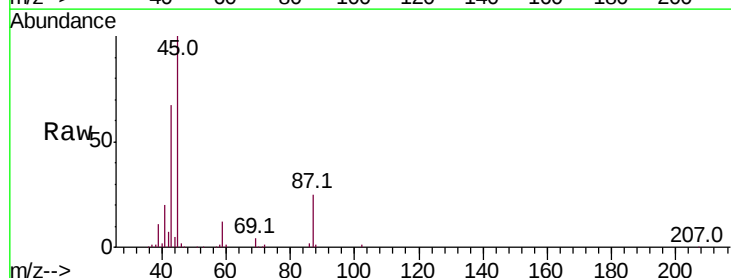


Abundance Ion 96.00 (95.70 to 96.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

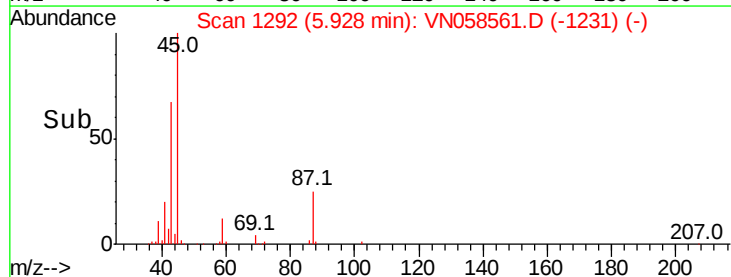
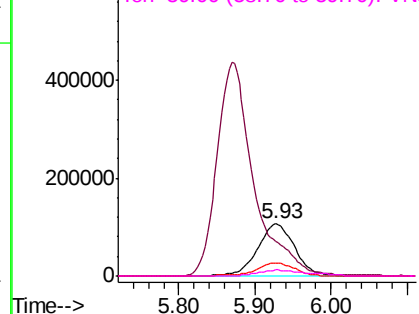


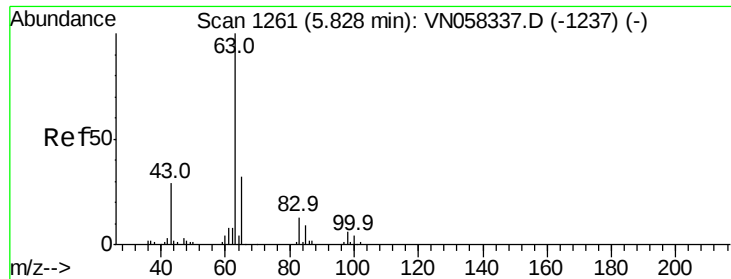
#20
Diisopropyl ether
Concen: 20.438 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 45 Resp: 360721
Ion Ratio Lower Upper
45 100
43 64.6 54.1 81.1
87 25.2 21.4 32.2
59 11.3 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#21

1,1-Dichloroethane

Concen: 20.791 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :

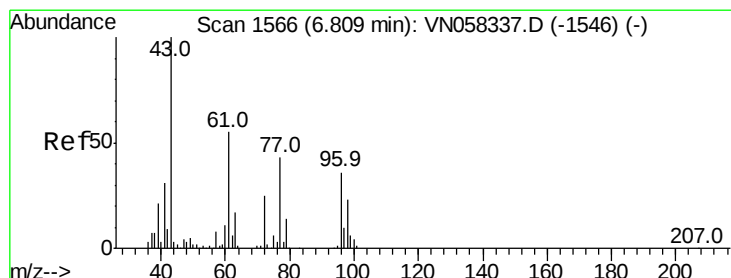
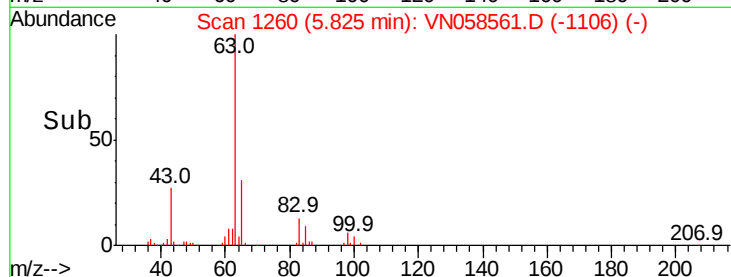
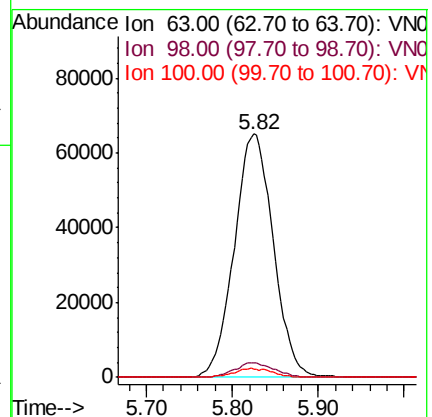
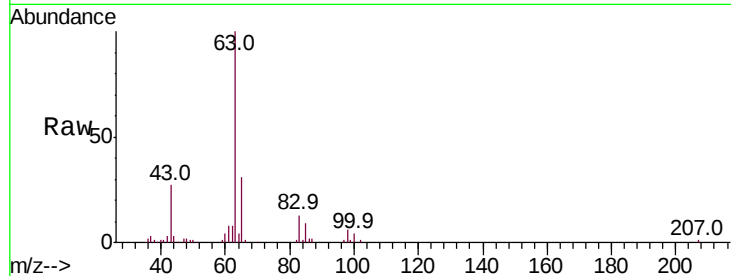
Tot Ion: 63 Resp: 205342

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.5 2.1 6.5



#22

cis-1,2-Dichloroethene

Concen: 20.108 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

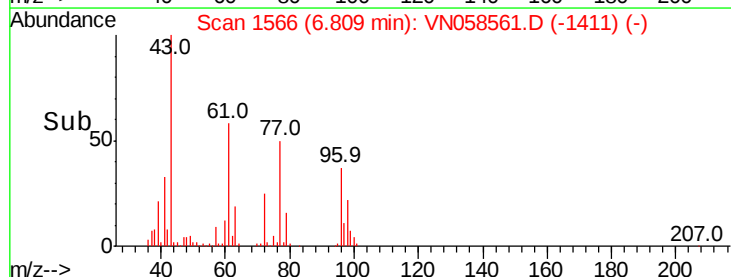
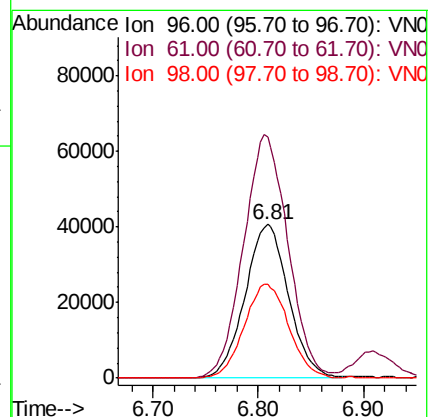
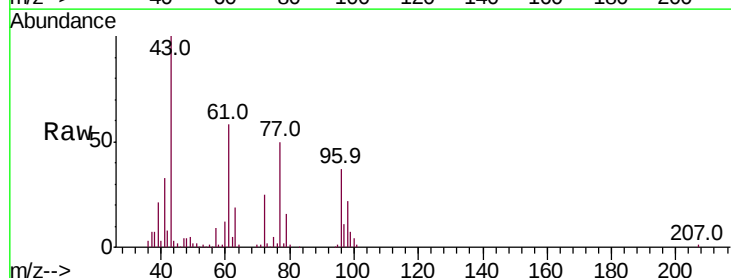
Tgt Ion: 96 Resp: 116116

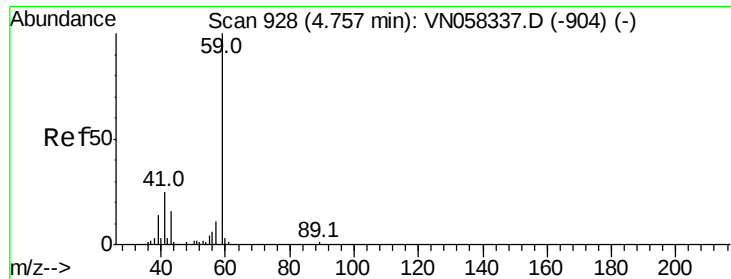
Ion Ratio Lower Upper

96 100

61 162.4 128.2 192.2

98 63.0 50.6 76.0



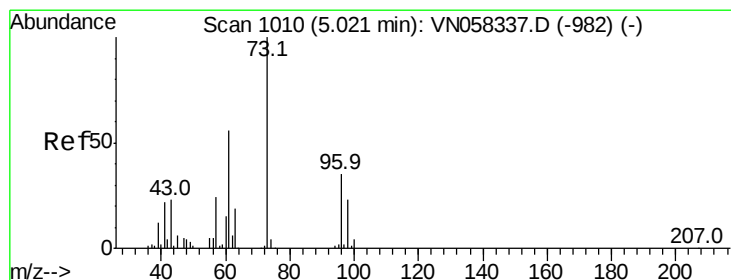
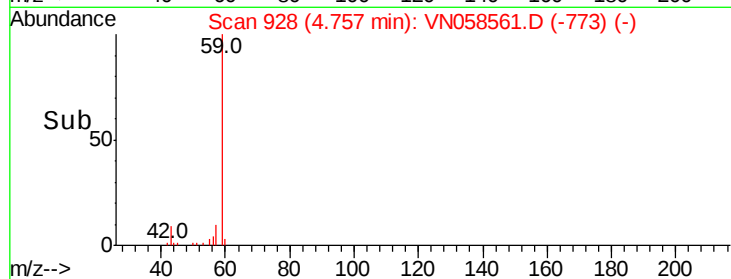
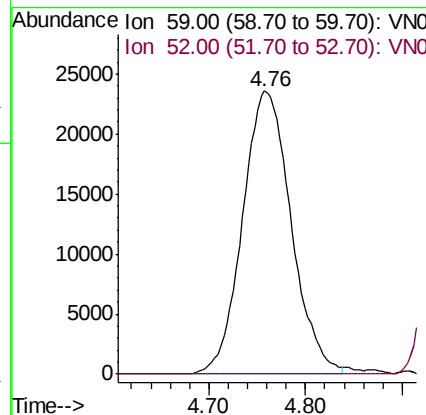
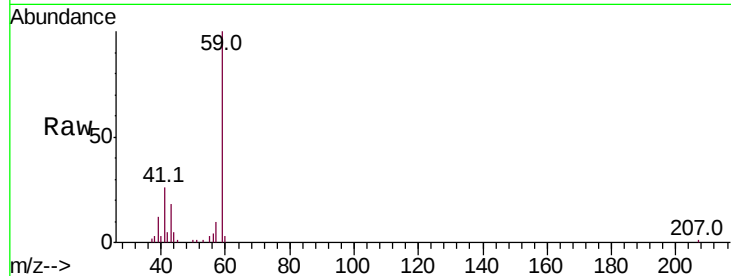


#23

tert-Butyl Alcohol
 Concen: 91.414 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampled :

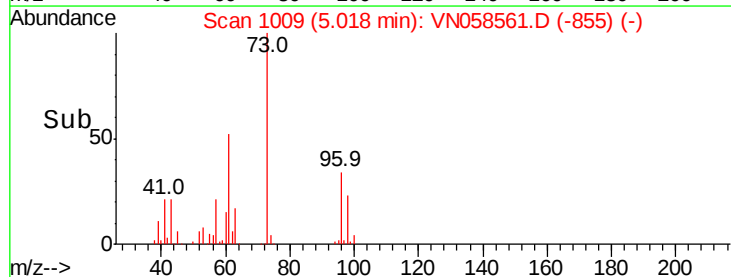
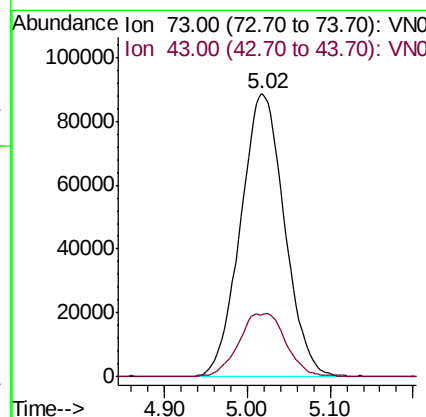
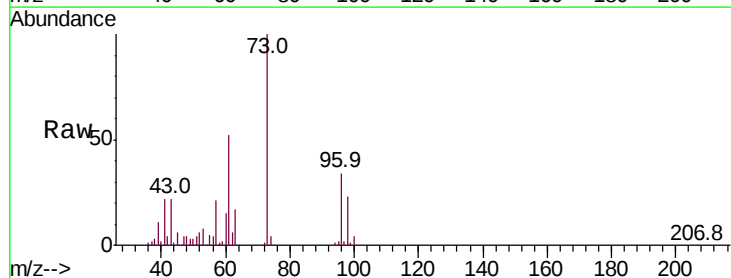
Tot Ion: 59 Resp: 82297
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

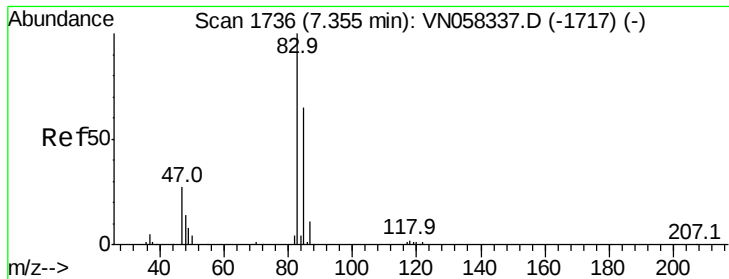


#24

Methyl tert-Butyl Ether
 Concen: 20.504 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion: 73 Resp: 326379
 Ion Ratio Lower Upper
 73 100
 43 12.1 18.4 27.6#





#25

Chloroform

Concen: 20.131 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

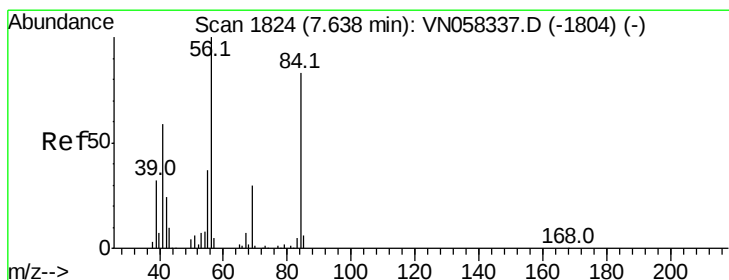
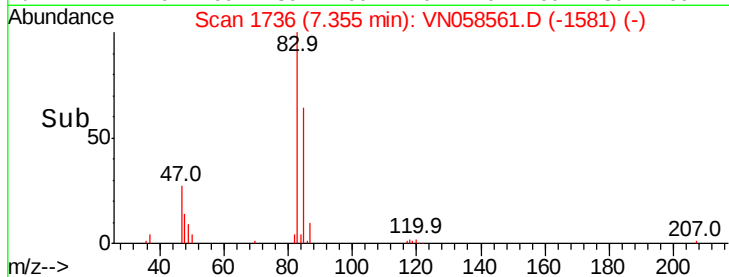
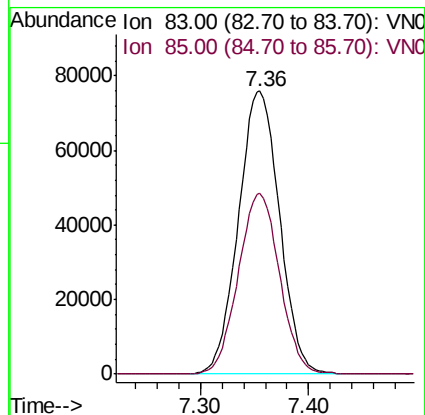
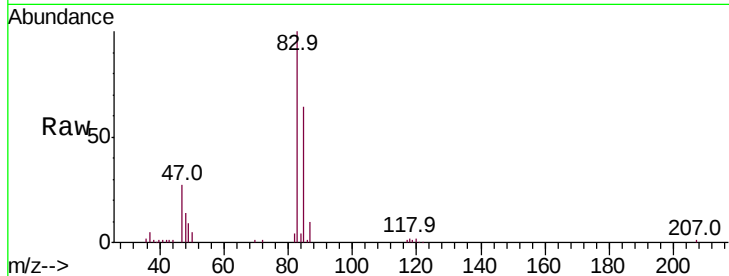
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 201321

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.6



#26

Cyclohexane

Concen: 18.655 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

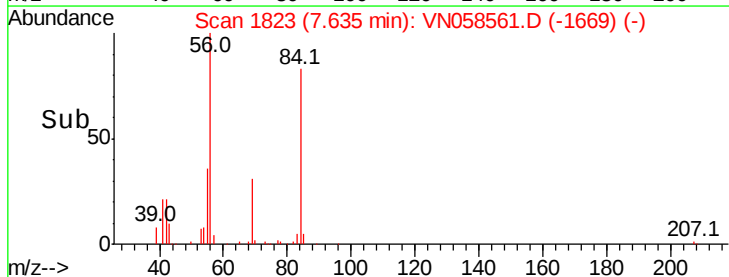
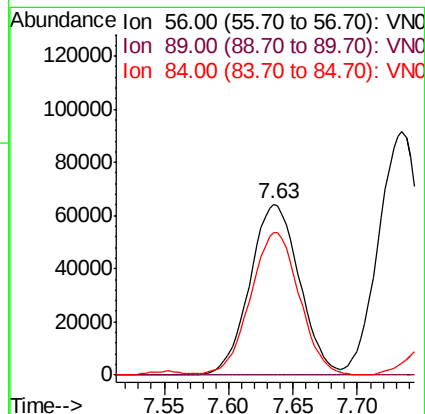
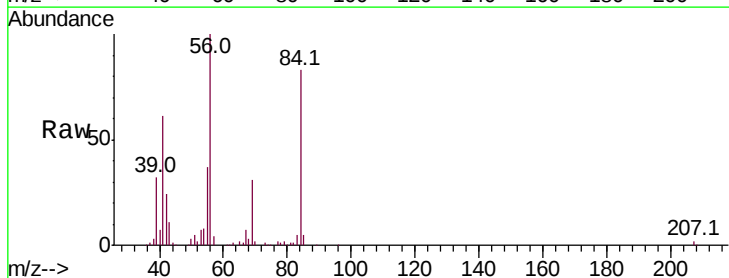
Tgt Ion: 56 Resp: 172204

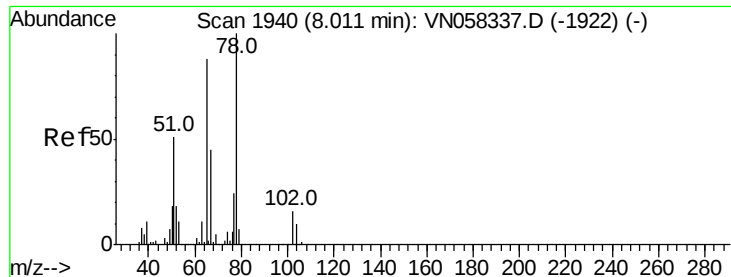
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 82.3 66.9 100.3





#27

1,2-Dichloroethane-d4

Concen: 29.927 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

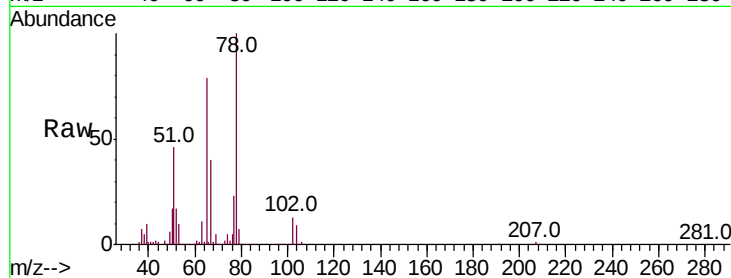
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 213701

Ion Ratio Lower Upper

65 100

67 50.4 40.4 60.6



Abundance Ion 65.00 (64.70 to 65.70): VN058337.D (-1922) (-)

Ion 67.00 (66.70 to 67.70): VN058337.D (-1922) (-)

8.01

100000

80000

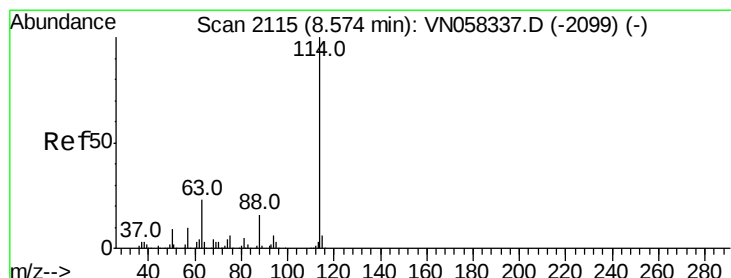
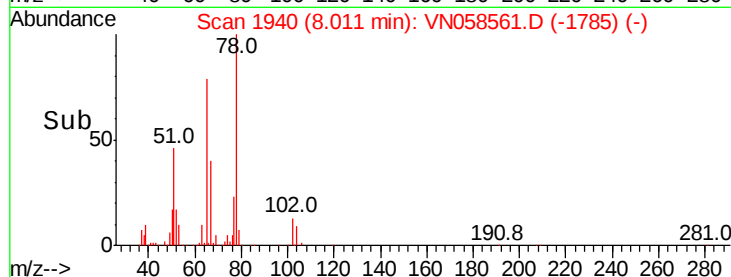
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

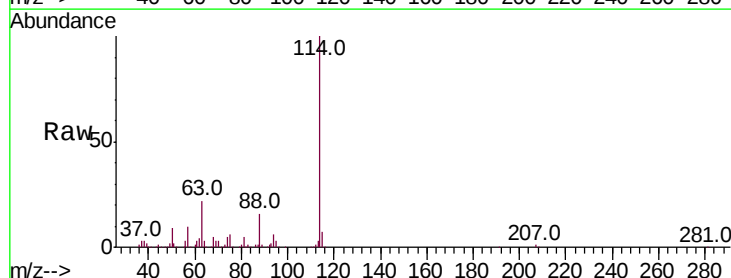
Tgt Ion: 114 Resp: 464273

Ion Ratio Lower Upper

114 100

63 22.3 17.8 26.8

88 16.1 12.7 19.1



Abundance Ion 114.00 (113.70 to 114.70): VN058337.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058337.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058337.D (-2099) (-)

300000

250000

200000

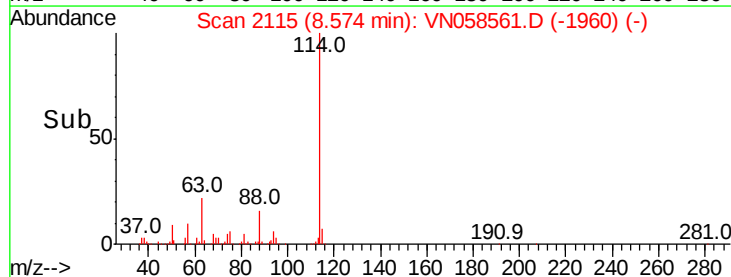
150000

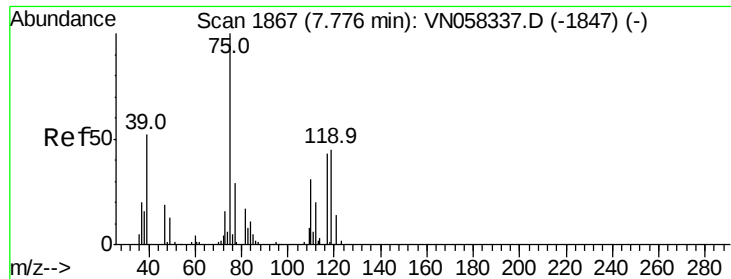
100000

50000

0

Time--> 8.50 8.60 8.70





#29

1,1-Dichloropropene

Concen: 19.750 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

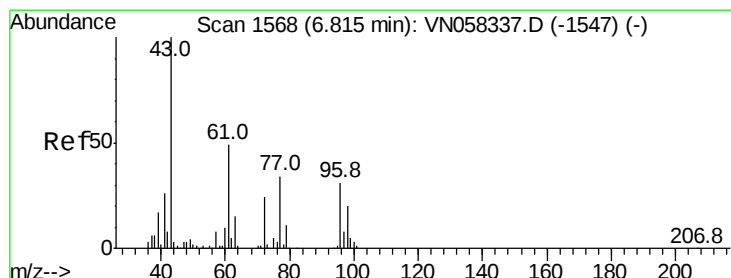
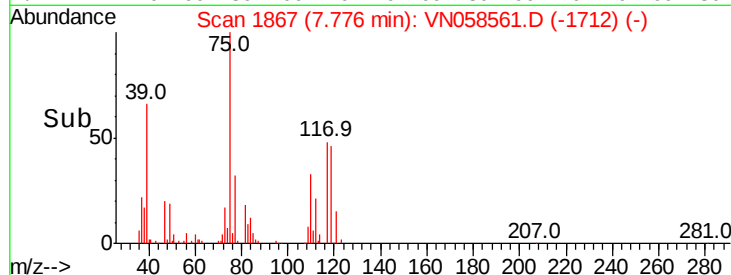
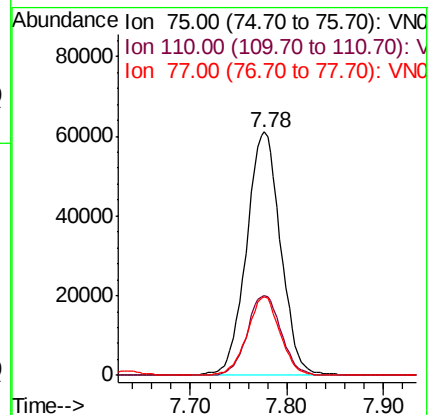
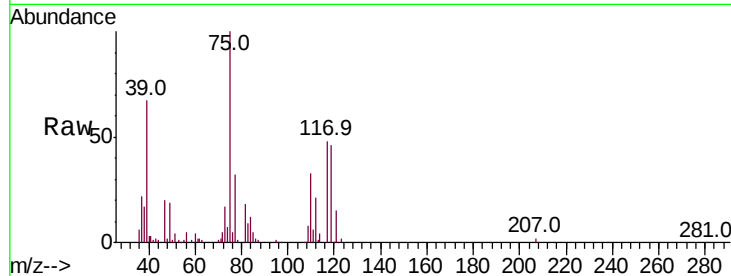
Tot Ion: 75 Resp: 149677

Ion Ratio Lower Upper

75 100

110 32.5 0.0 63.6

77 31.2 0.0 59.4



#30

2-Butanone

Concen: 97.474 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

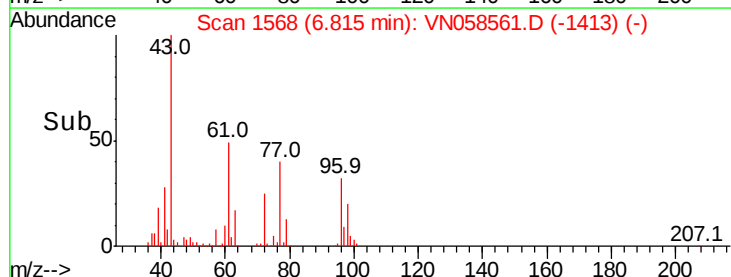
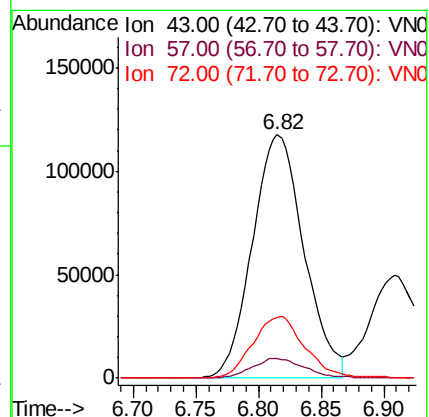
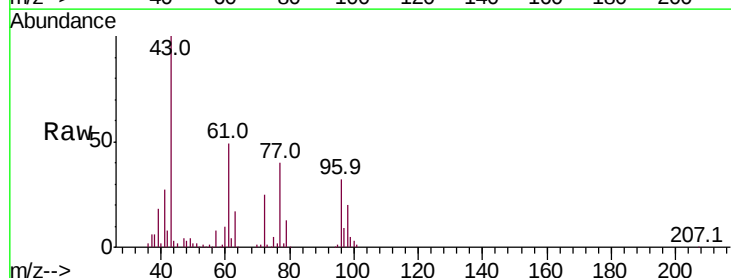
Tgt Ion: 43 Resp: 335415

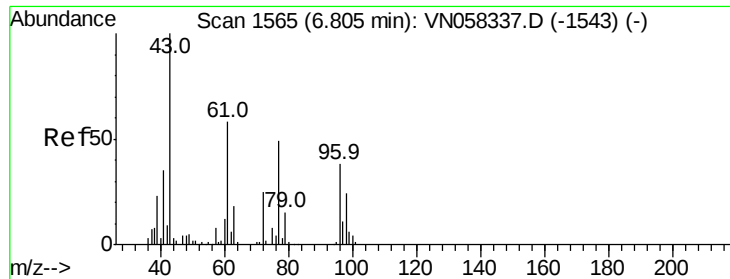
Ion Ratio Lower Upper

43 100

57 8.2 6.2 9.4

72 25.9 20.3 30.5

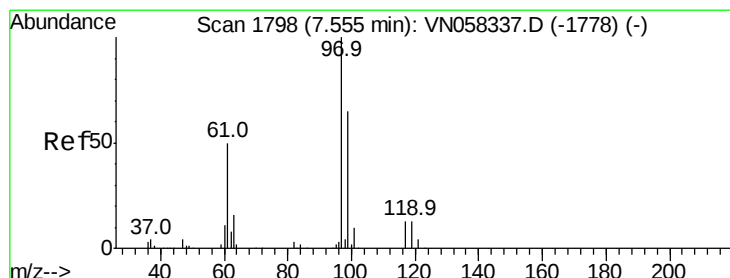
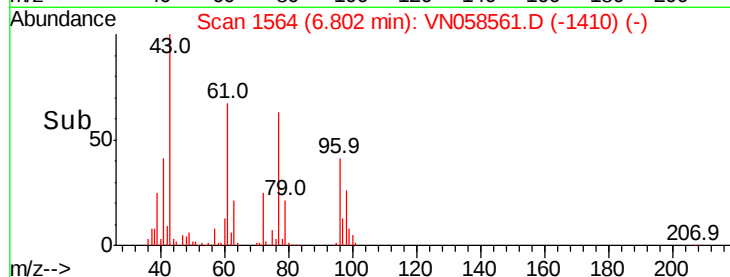
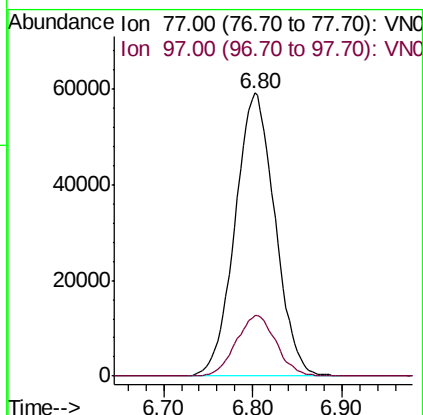
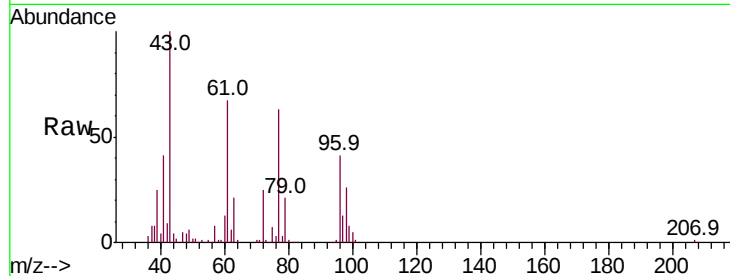




#31
 2,2-Dichloropropane
 Concen: 23.515 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

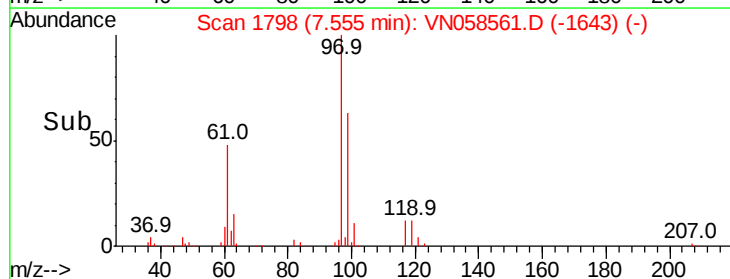
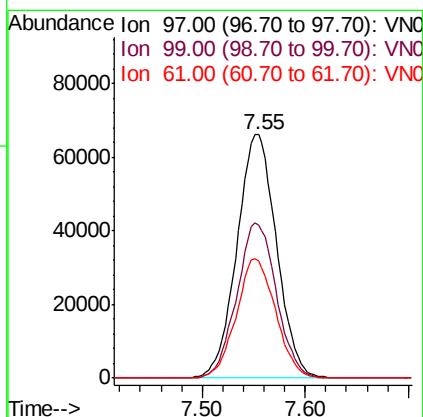
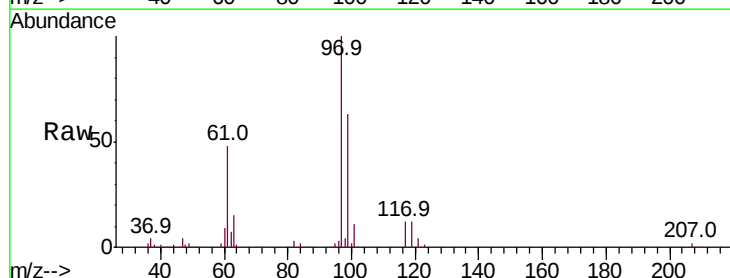
Instrument :
 MSVOA_N
 ClientSampled :

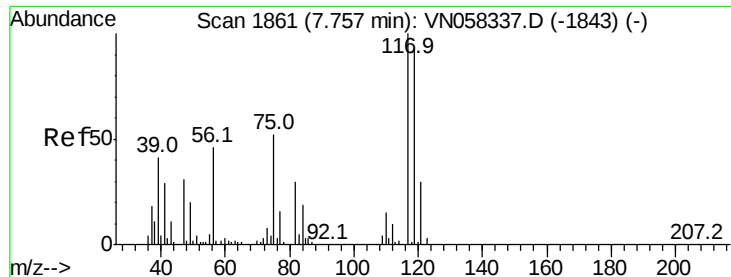
Tot Ion: 77 Resp: 183466
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 21.596 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion: 97 Resp: 176525
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.8 77.6
 61 48.5 39.4 59.2

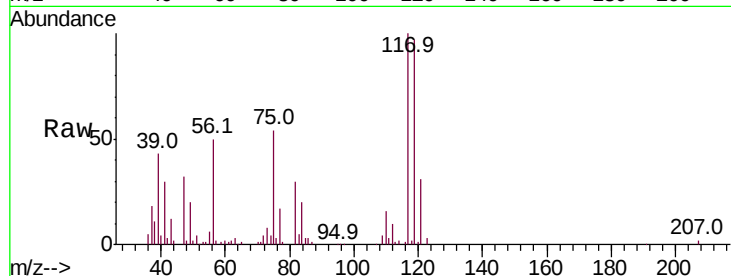




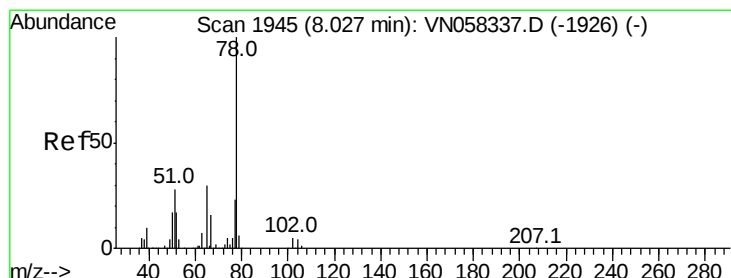
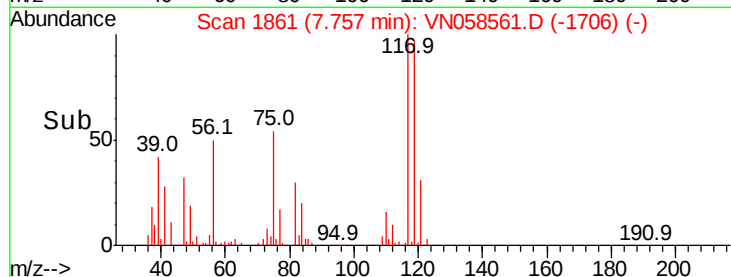
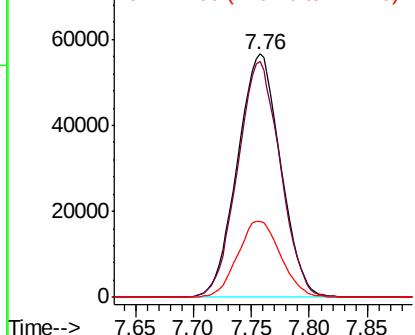
#33
Carbon Tetrachloride
Concen: 21.115 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 146635
Ion Ratio Lower Upper
117 100
119 97.1 74.2 111.4
121 31.2 23.9 35.9

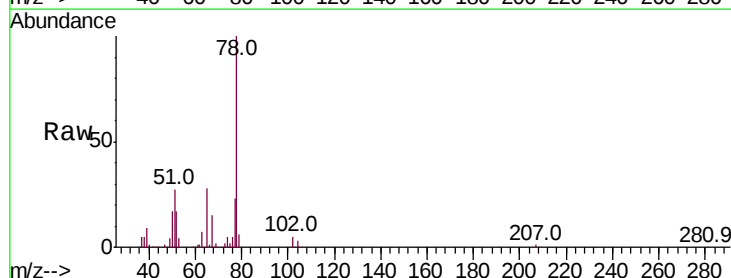


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

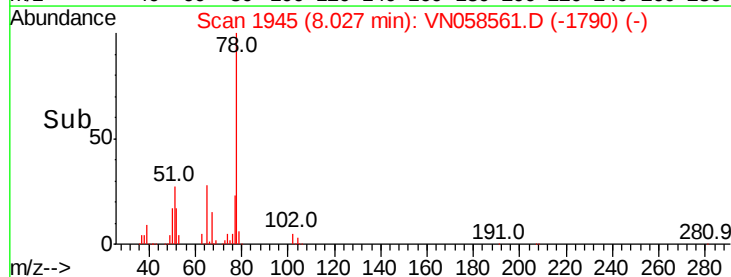
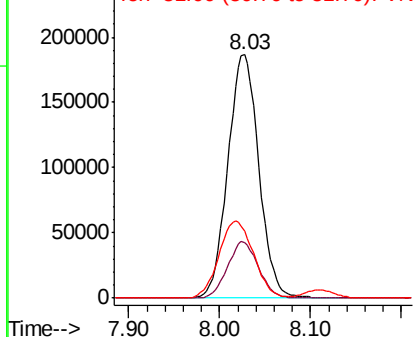


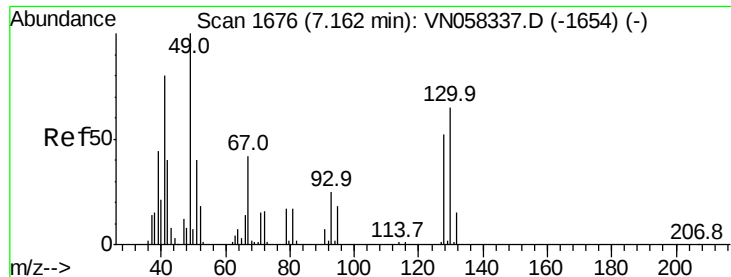
#34
Benzene
Concen: 20.519 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 78 Resp: 441117
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2
51 27.2 22.4 33.6



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

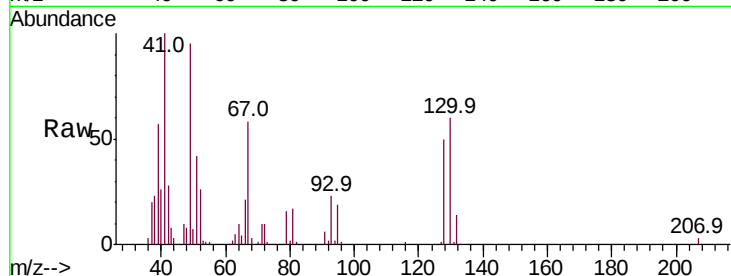




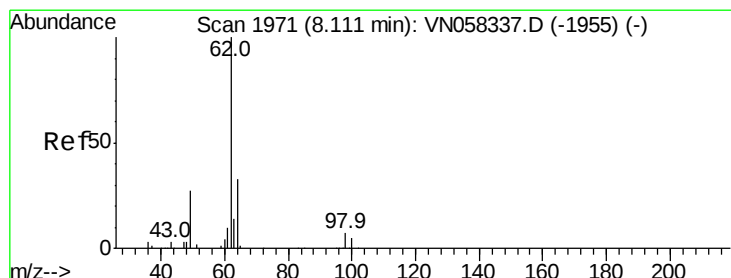
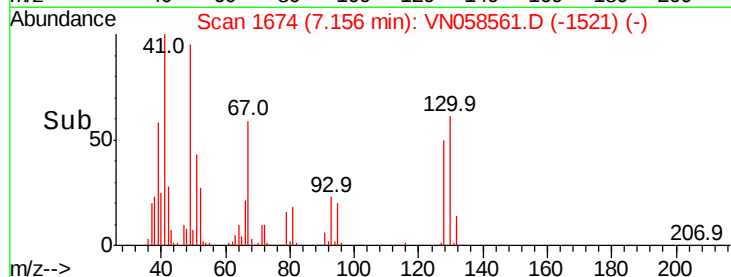
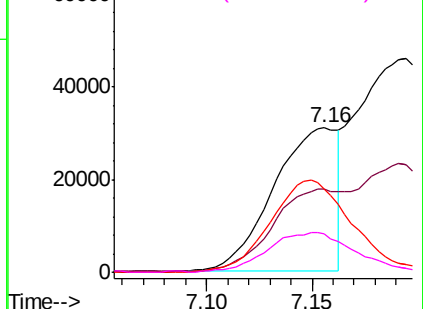
#35
Methacrylonitrile
Concen: 22.046 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 65249
Ion Ratio Lower Upper
41 100
39 57.3 27.3 81.9
67 58.7 26.3 78.9
52 26.7 11.0 33.0

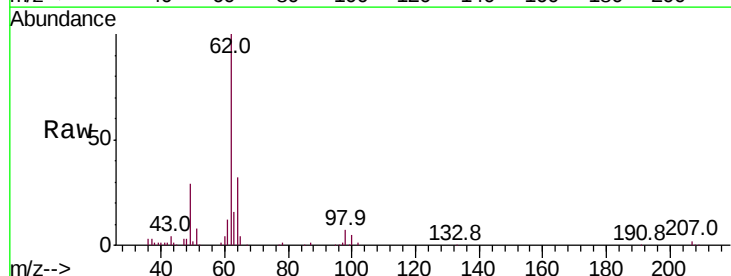


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

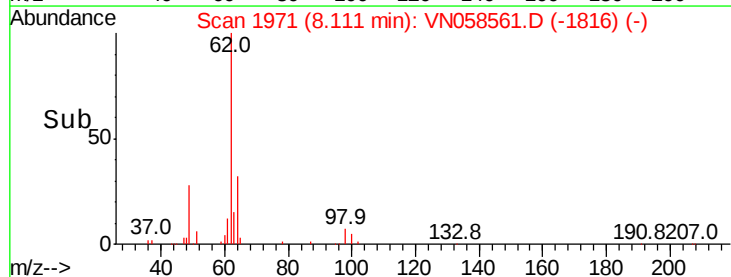
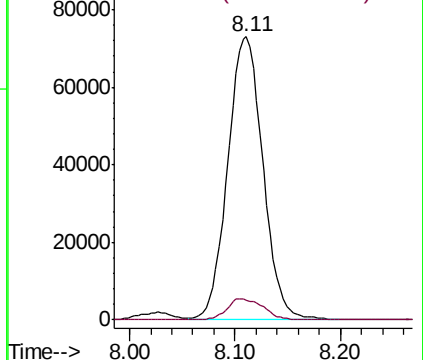


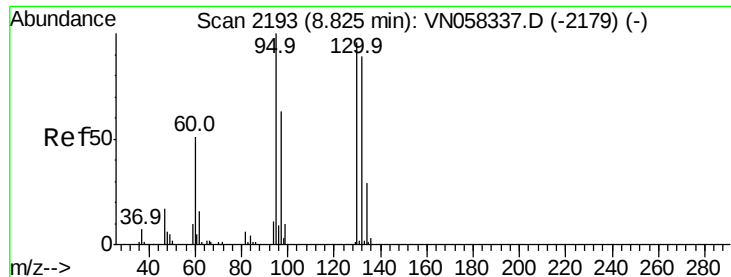
#36
1,2-Dichloroethane
Concen: 20.061 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 62 Resp: 168946
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.031 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

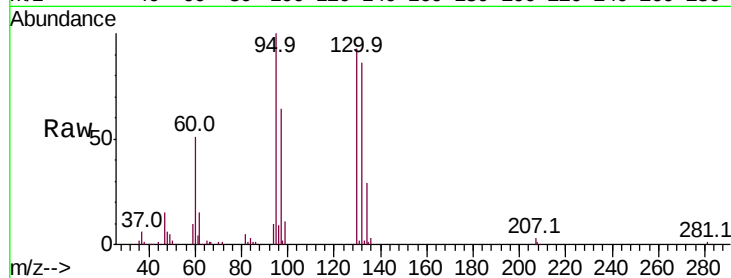
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:130 Resp: 107807

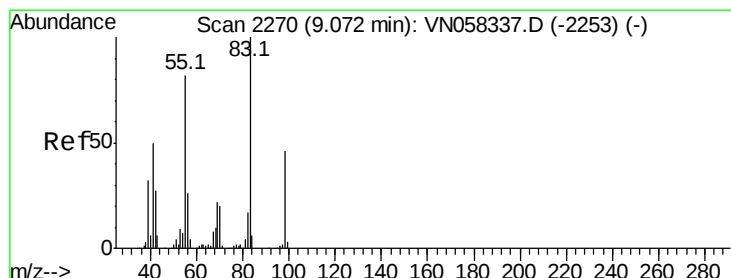
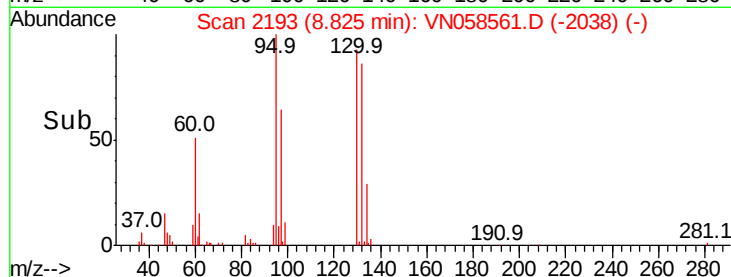
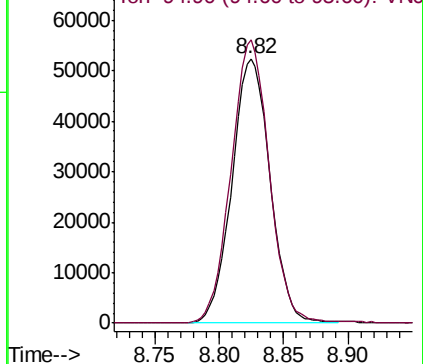
Ion Ratio Lower Upper

130 100

95 106.7 83.3 124.9



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.355 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

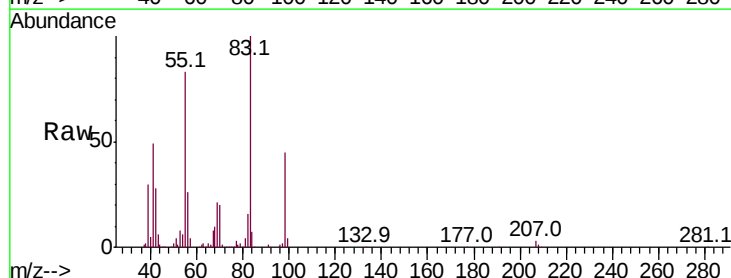
Tgt Ion: 83 Resp: 168205

Ion Ratio Lower Upper

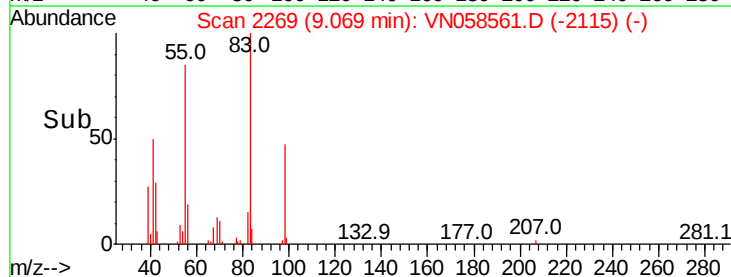
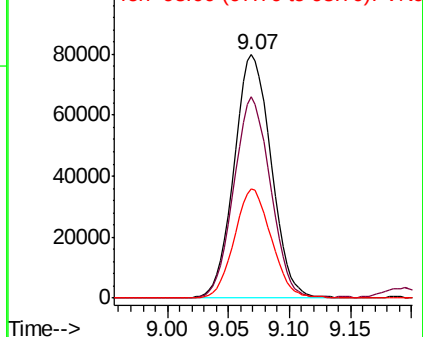
83 100

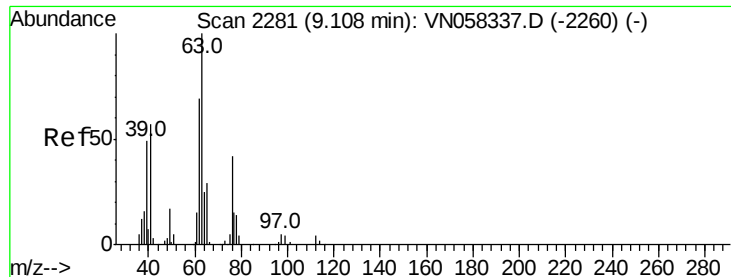
55 81.7 40.5 121.4

98 44.7 23.1 69.2



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

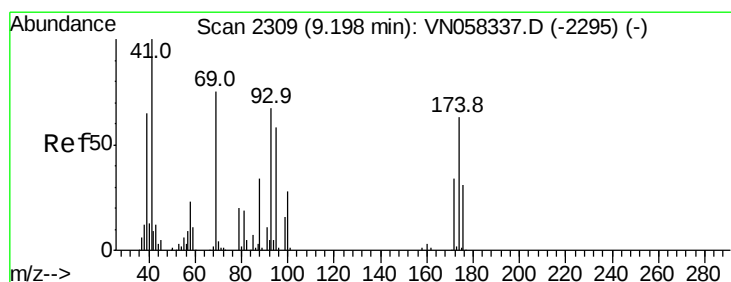
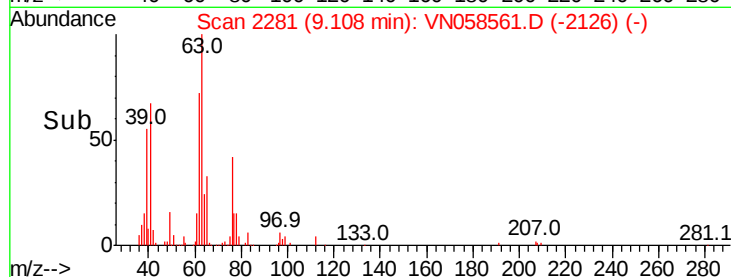
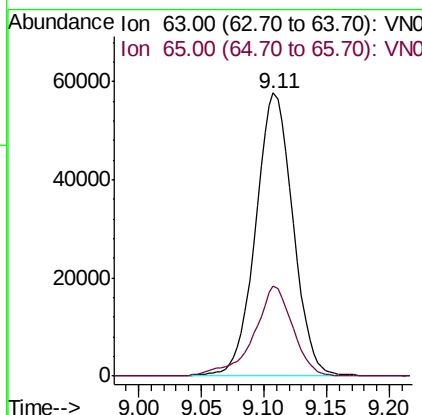
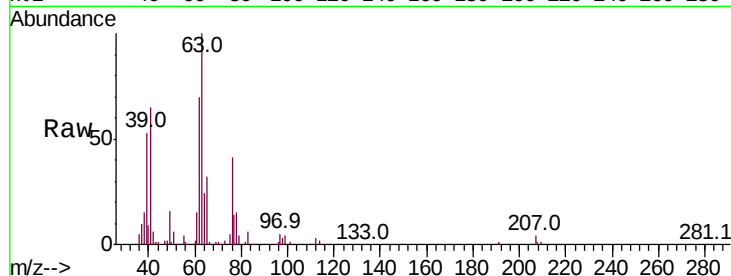




#39
 1,2-Dichloropropane
 Concen: 20.392 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

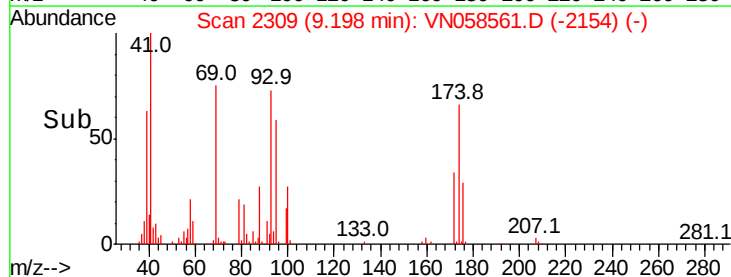
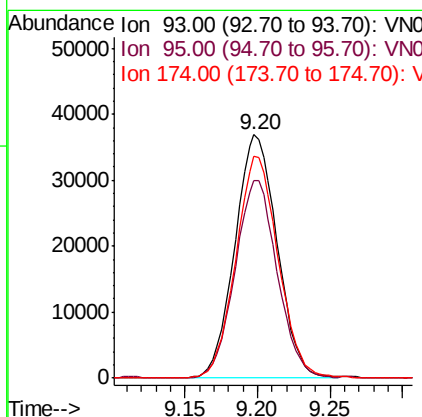
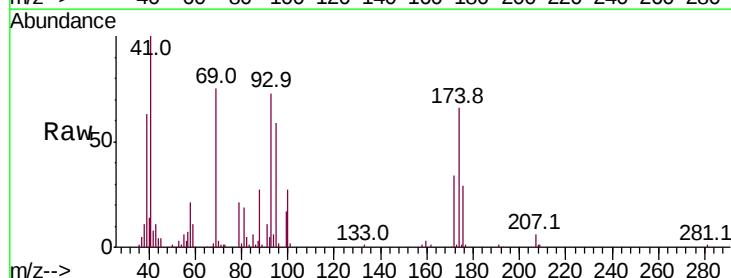
Instrument :
 MSVOA_N
 ClientSampleId :

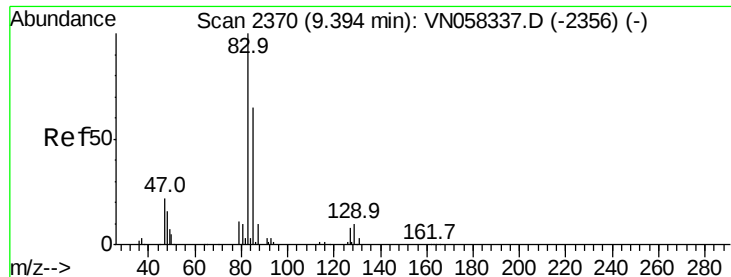
Tot Ion: 63 Resp: 119578
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.4 35.0



#40
 Dibromomethane
 Concen: 20.207 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion: 93 Resp: 74789
 Ion Ratio Lower Upper
 93 100
 95 81.0 0.0 166.8
 174 91.4 0.0 187.2





#41

Bromodichloromethane

Concen: 21.012 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

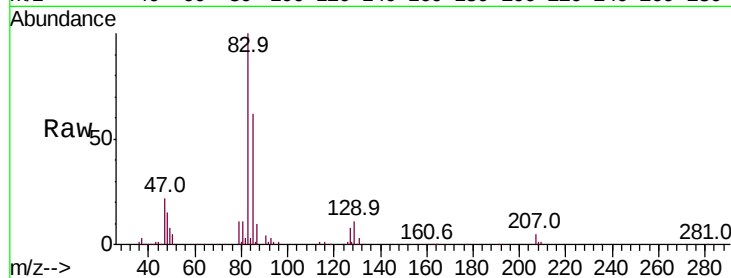
Tot Ion: 83 Resp: 153714

Ion Ratio Lower Upper

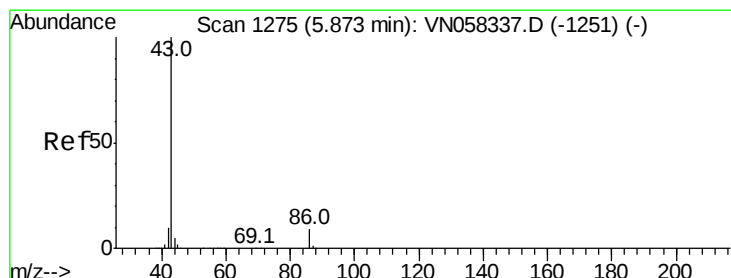
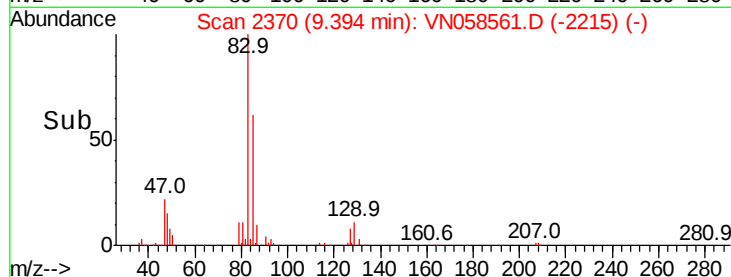
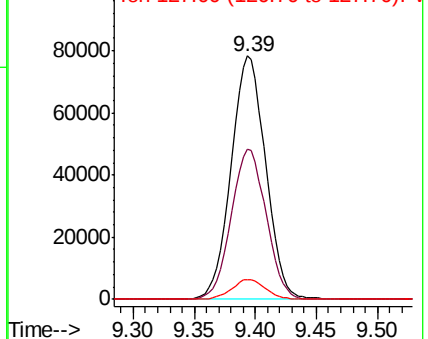
83 100

85 61.6 52.0 78.0

127 8.1 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 112.224 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058561.D

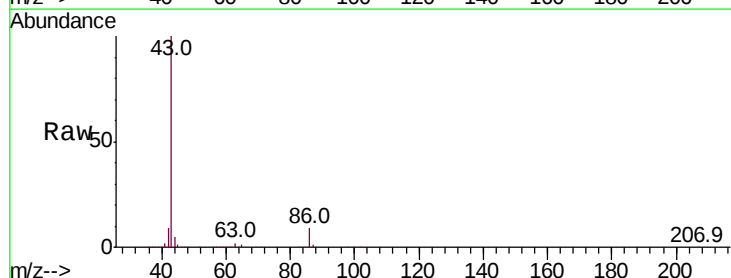
Acq: 7 Oct 2019 12:56

Tgt Ion: 43 Resp: 1474467

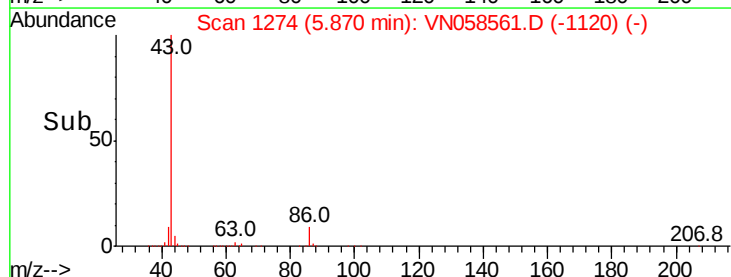
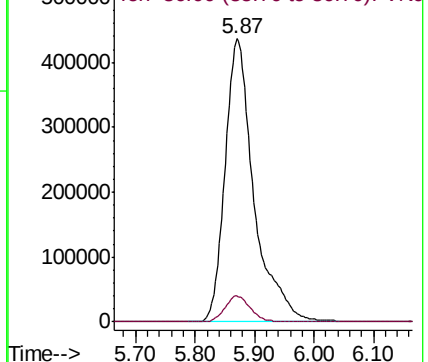
Ion Ratio Lower Upper

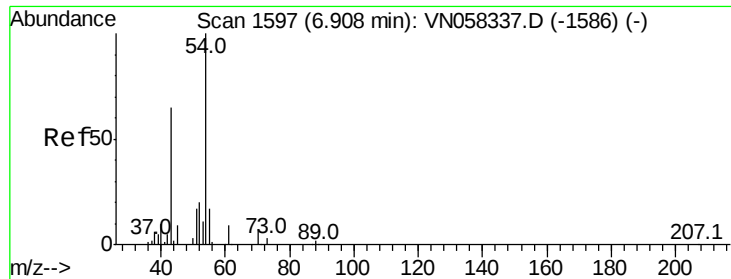
43 100

86 8.0 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

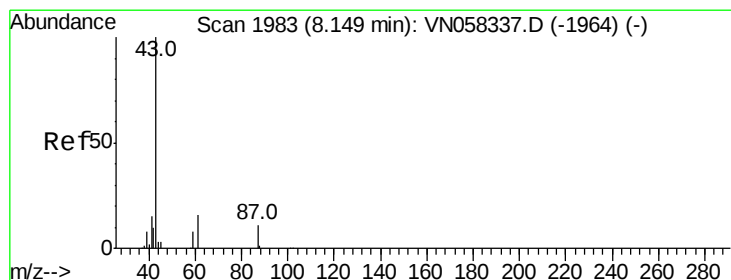
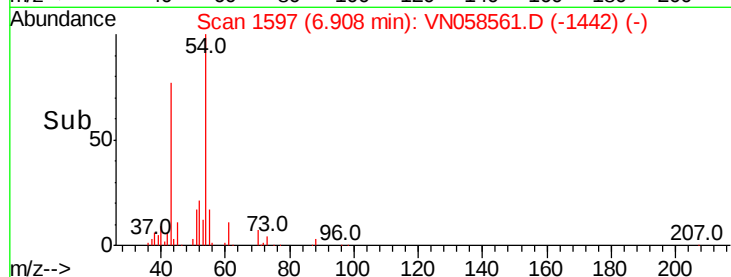
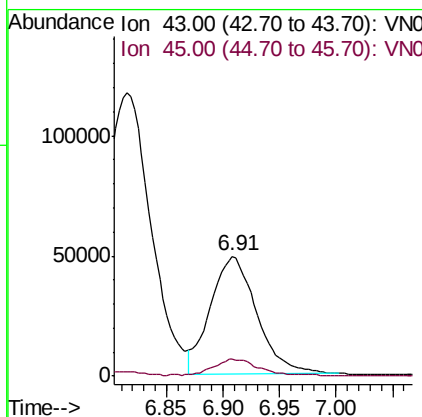
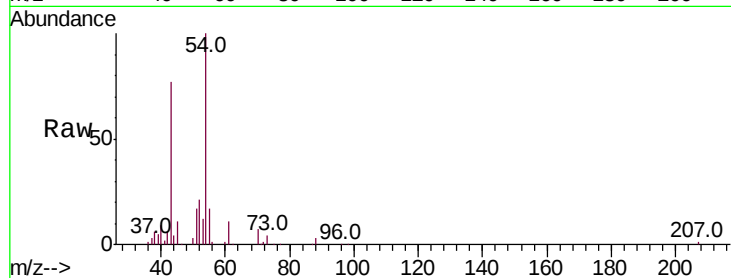




#43
Ethyl Acetate
Concen: 20.356 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

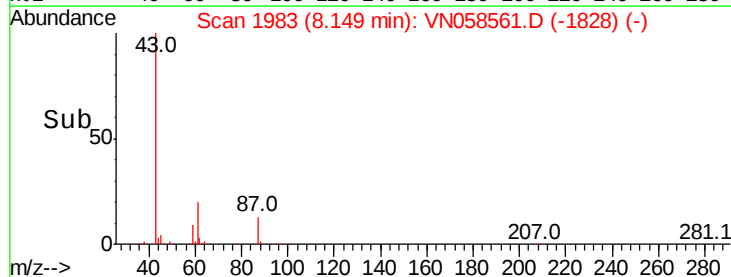
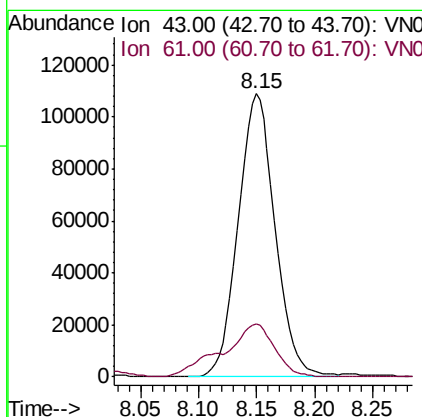
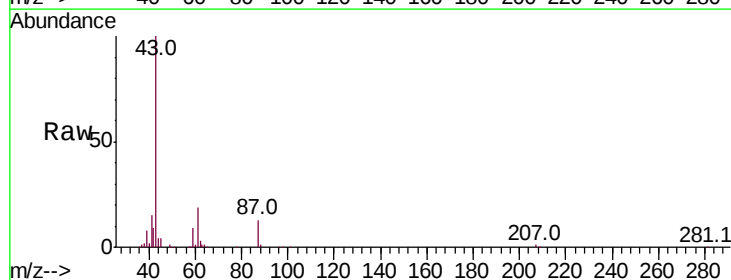
Instrument :
MSVOA_N
ClientSampleId :

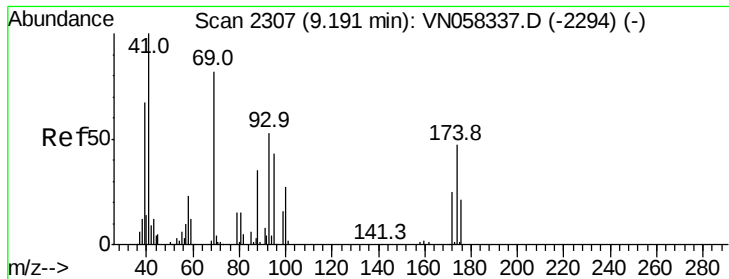
Tot Ion: 43 Resp: 139079
Ion Ratio Lower Upper
43 100
45 12.2 9.8 14.6



#44
Isopropyl Acetate
Concen: 19.581 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 43 Resp: 239485
Ion Ratio Lower Upper
43 100
61 19.2 14.4 21.6

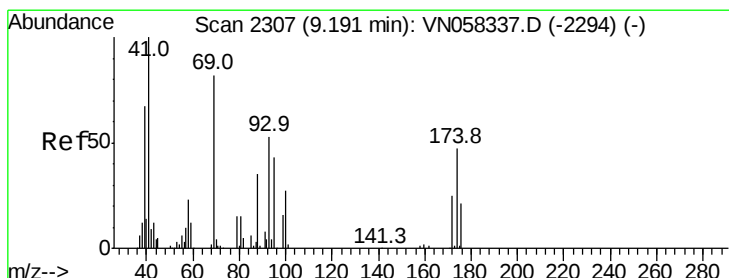
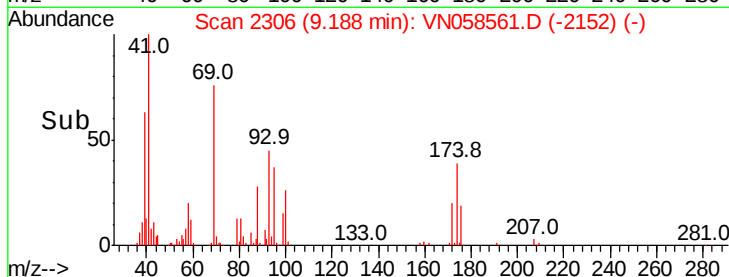
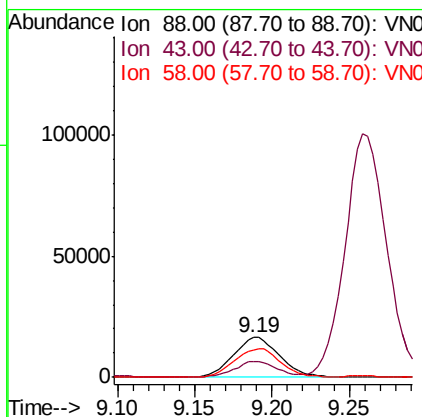
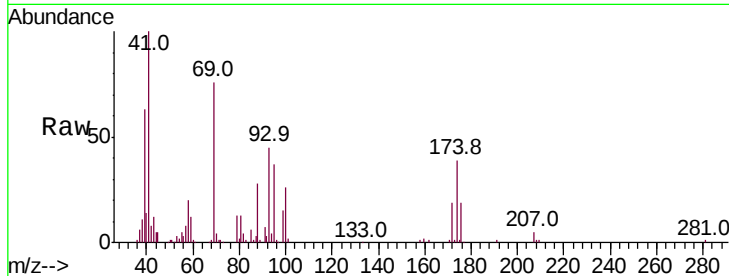




#45
 1,4-Dioxane
 Concen: 333.293 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

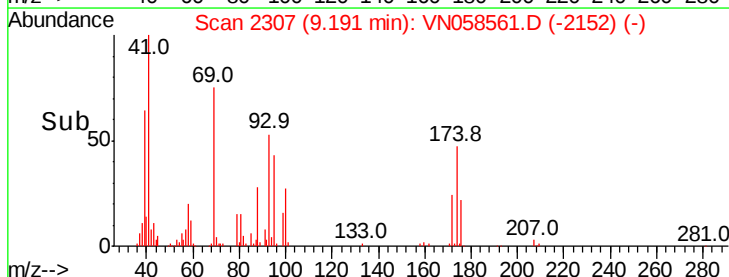
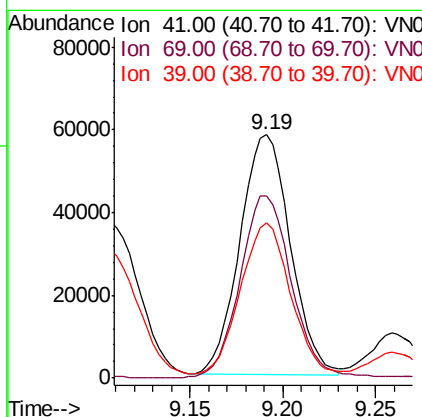
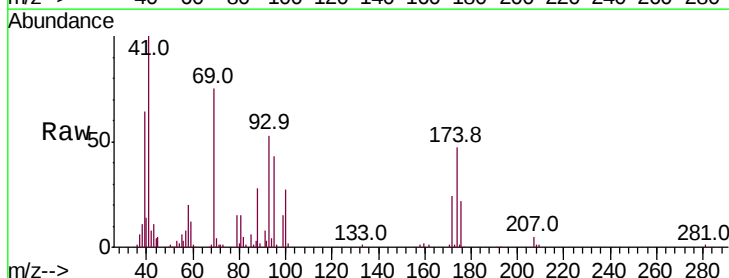
Instrument :
 MSVOA_N
 ClientSampled :

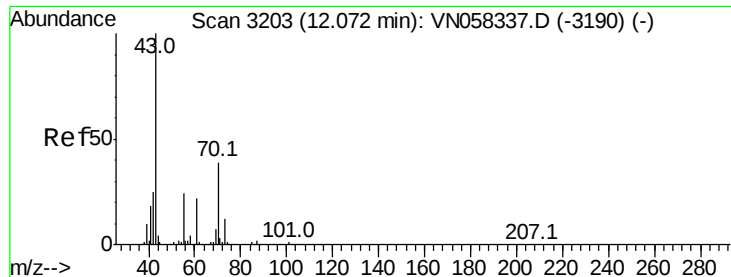
Tot Ion: 88 Resp: 34389
 Ion Ratio Lower Upper
 88 100
 43 38.2 27.2 40.8
 58 72.3 55.4 83.0



#46
 Methyl methacrylate
 Concen: 18.906 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion: 41 Resp: 109585
 Ion Ratio Lower Upper
 41 100
 69 75.5 40.9 122.7
 39 63.1 33.6 100.6

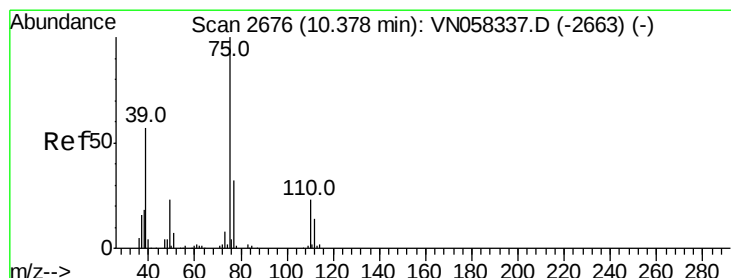
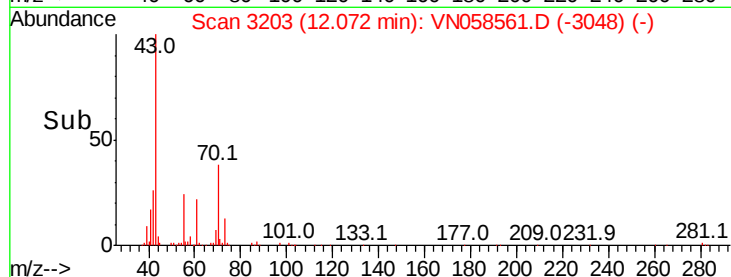
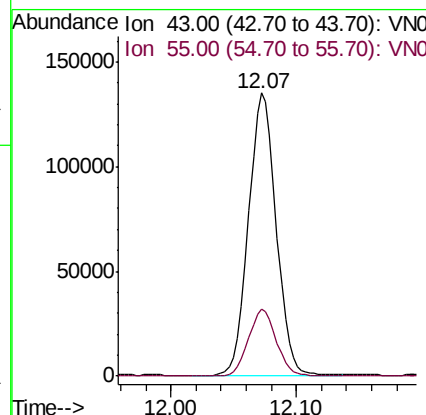
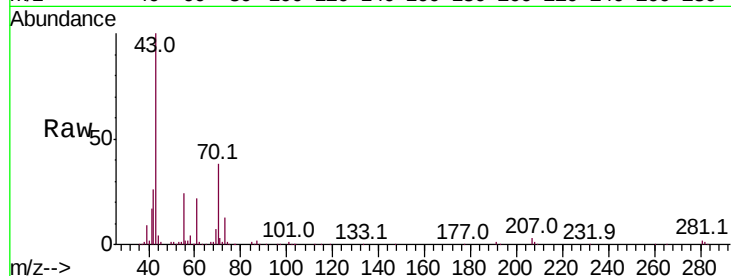




#47
n-amvl Acetate
Concen: 19.495 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

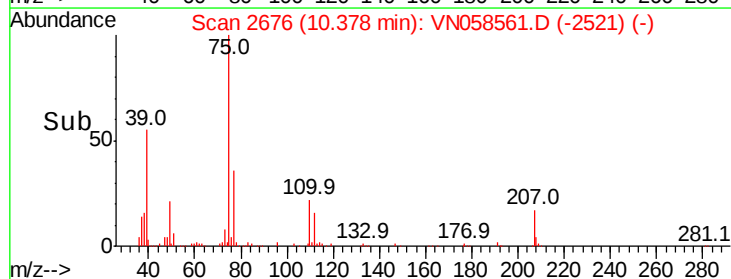
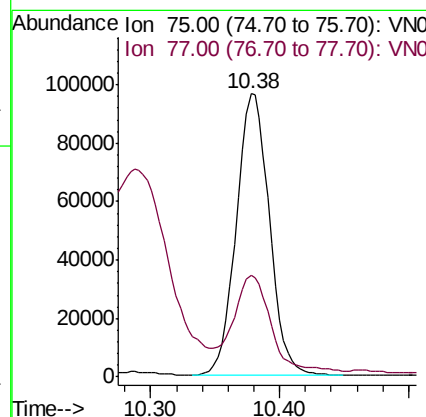
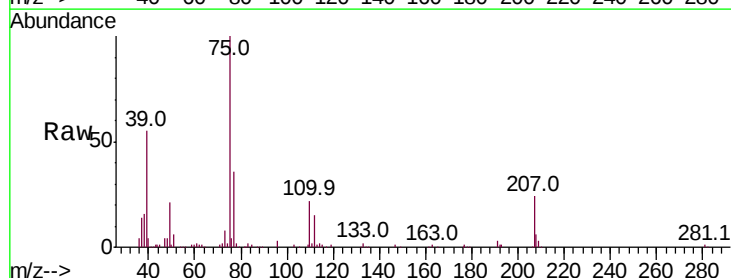
Instrument :
MSVOA_N
ClientSampleId :

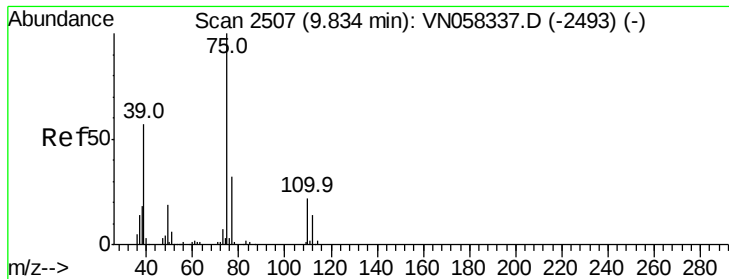
Tot Ion: 43 Resp: 207545
Ion Ratio Lower Upper
43 100
55 24.0 19.0 28.4



#48
t-1,3-Dichloropropene
Concen: 21.562 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 75 Resp: 172352
Ion Ratio Lower Upper
75 100
77 34.0 25.4 38.0



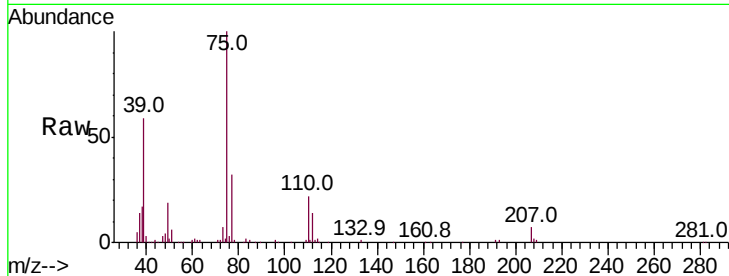


#49

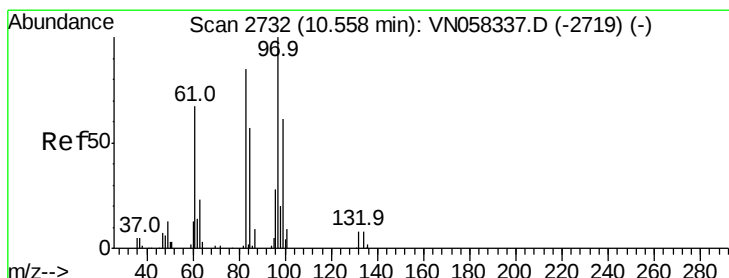
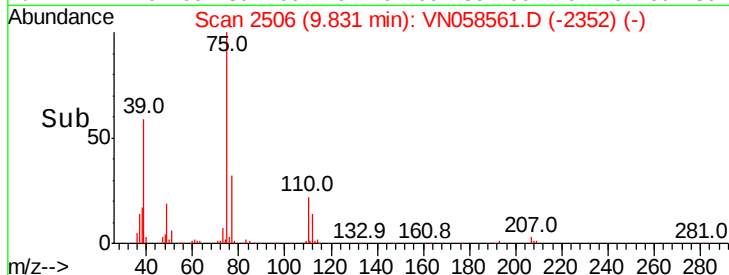
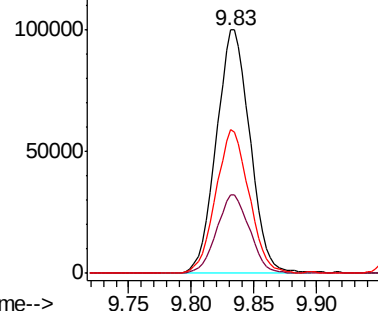
cis-1,3-Dichloropropene
 Concen: 20.970 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8
39	59.0	45.8	68.6



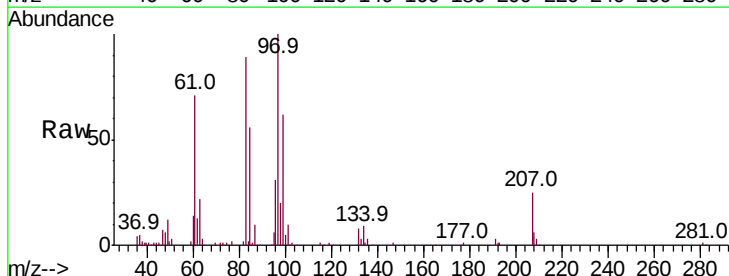
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



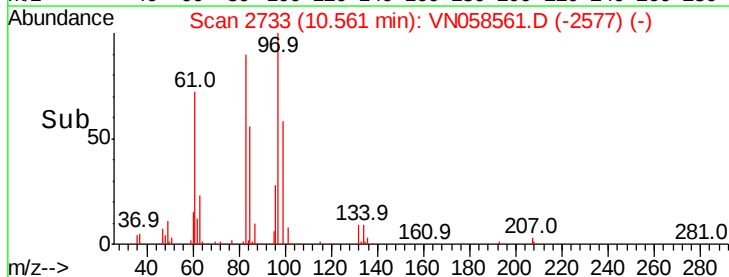
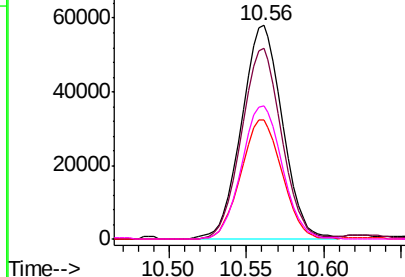
#50

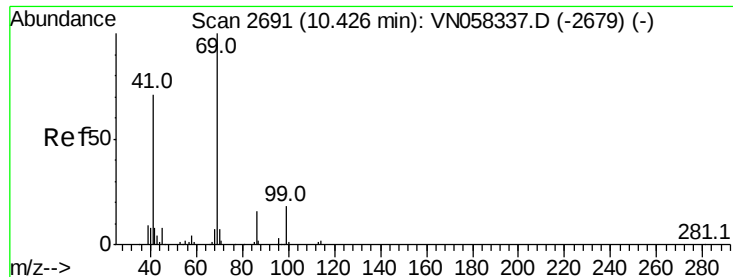
1,1,2-Trichloroethane
 Concen: 20.676 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	67.8	101.6
85	56.0	45.8	68.6
99	62.4	48.6	72.8



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.932 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

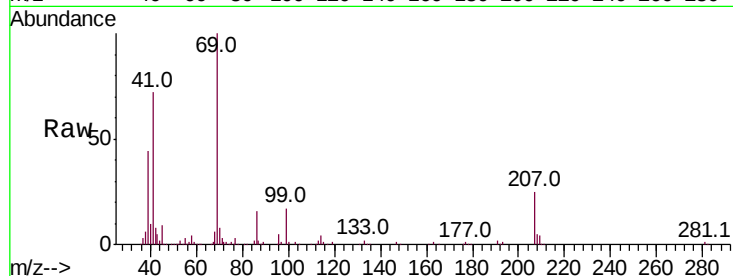
Tot Ion: 69 Resp: 154933

Ion Ratio Lower Upper

69 100

41 71.6 35.4 106.1

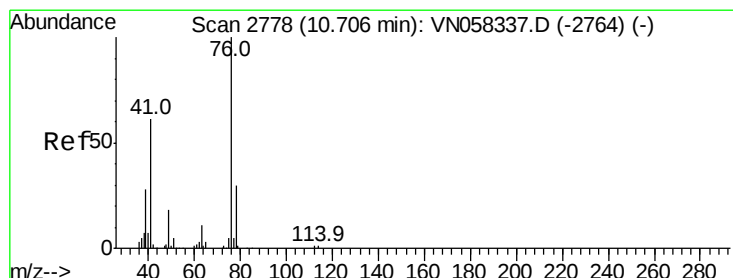
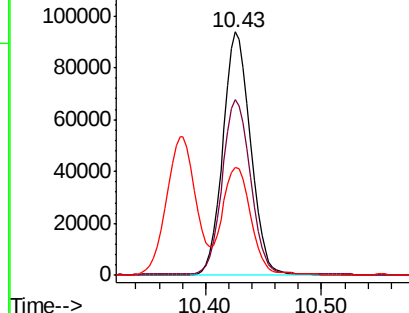
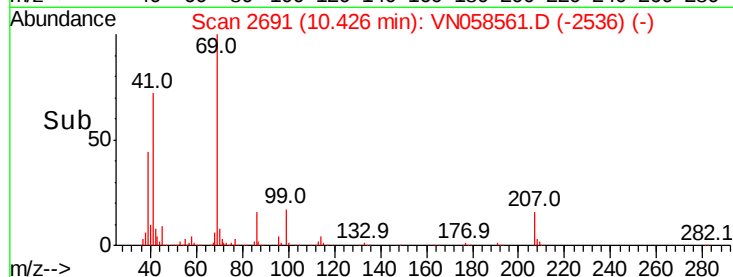
39 44.1 23.5 70.5



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



#52

1,3-Dichloropropane

Concen: 20.289 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058561.D

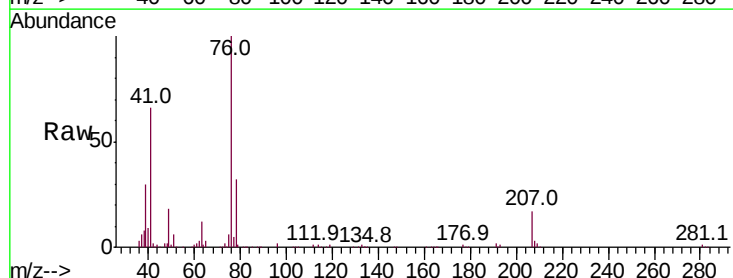
Acq: 7 Oct 2019 12:56

Tgt Ion: 76 Resp: 186381

Ion Ratio Lower Upper

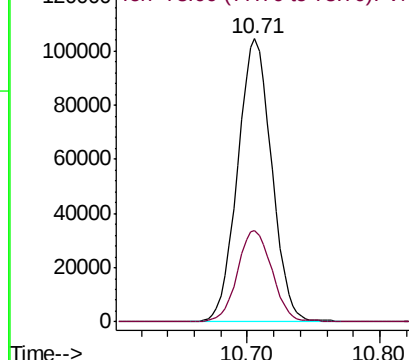
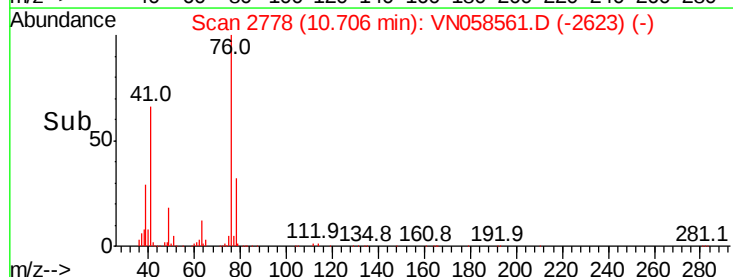
76 100

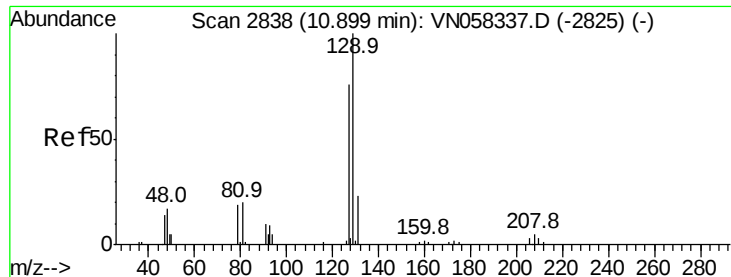
78 32.3 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.653 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

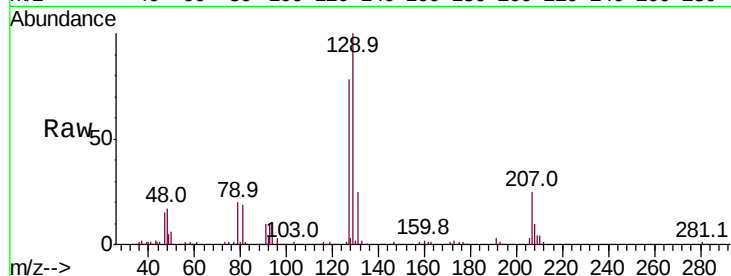
ClientSampleId :

Tot Ion:129 Resp: 107321

Ion Ratio Lower Upper

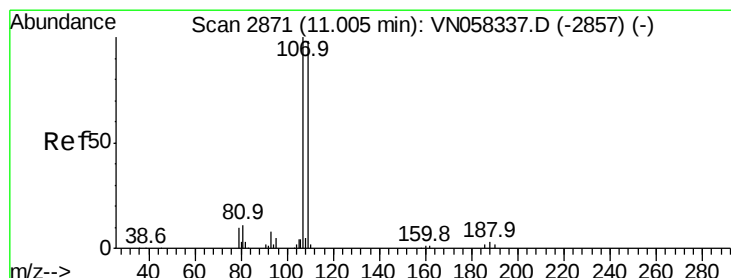
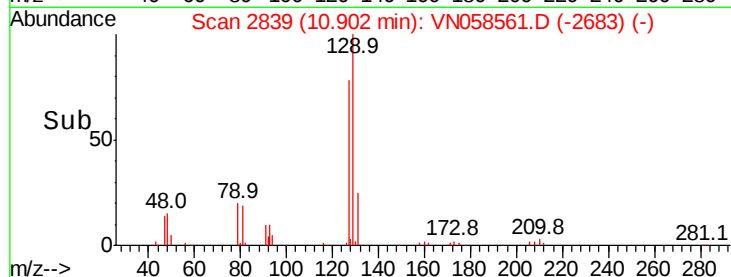
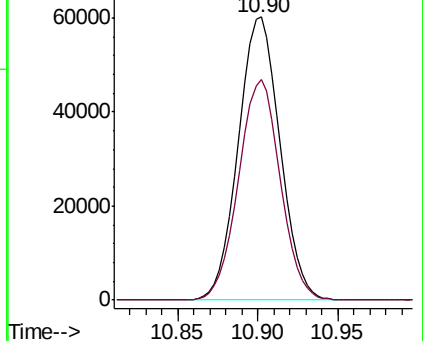
129 100

127 77.6 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.784 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058561.D

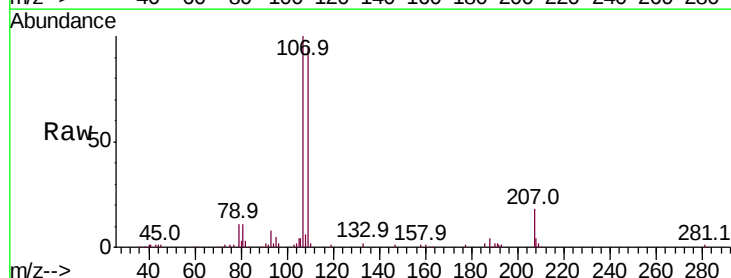
Acq: 7 Oct 2019 12:56

Tgt Ion:107 Resp: 104431

Ion Ratio Lower Upper

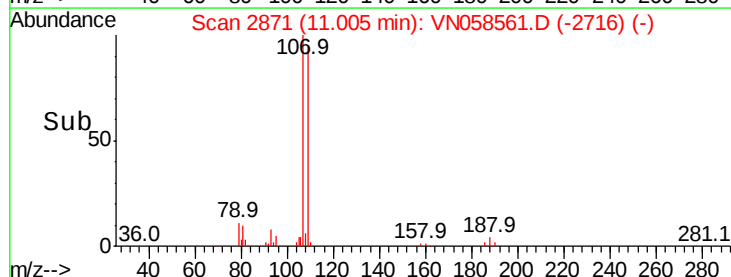
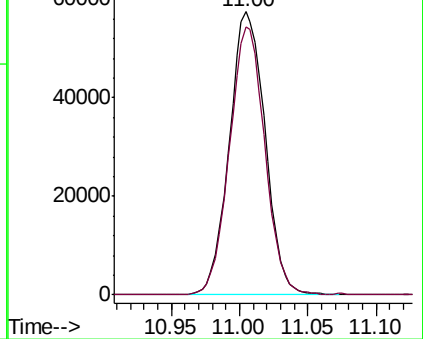
107 100

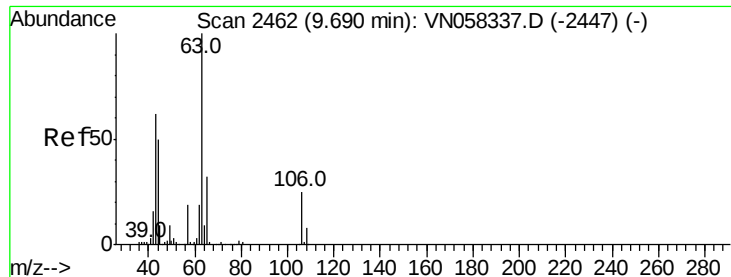
109 93.7 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 107.908 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

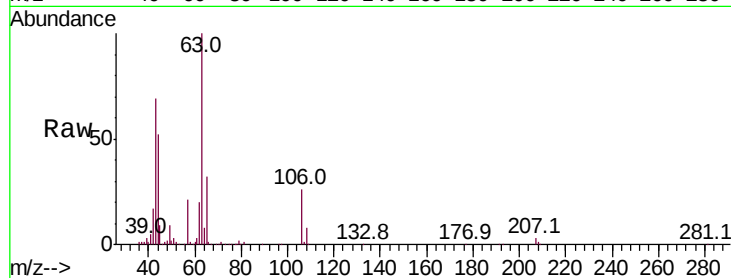
Tot Ion: 63 Resp: 373929

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

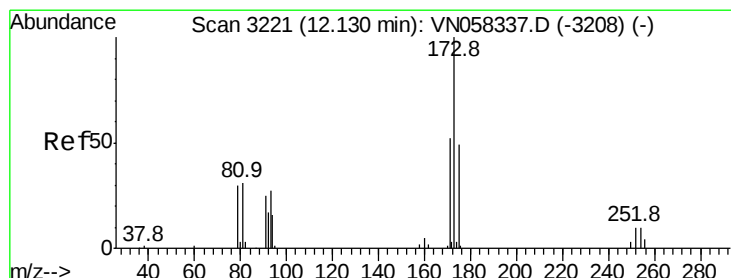
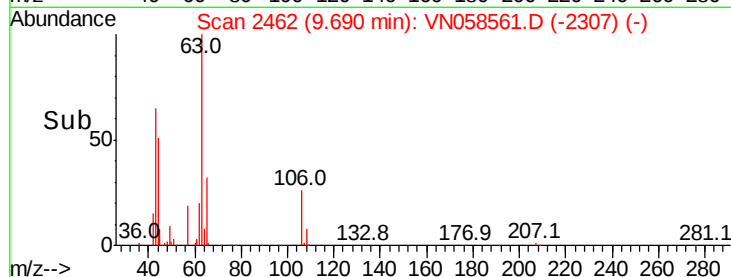
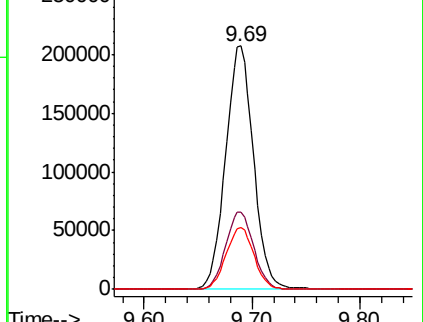
106 25.5 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN058561.D (-2307) (-)

Ion 65.00 (64.70 to 65.70): VN058561.D (-2307) (-)

Ion 106.00 (105.70 to 106.70): VN058561.D (-2307) (-)



#56

Bromoform

Concen: 20.780 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

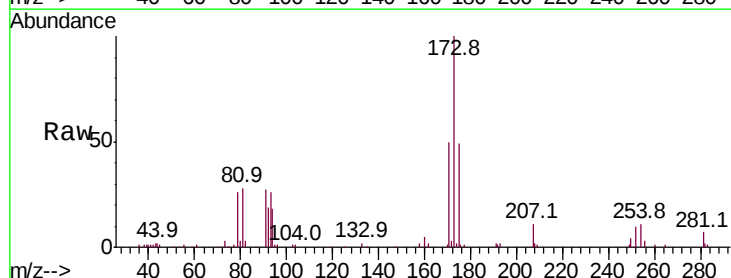
Tgt Ion:173 Resp: 68109

Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

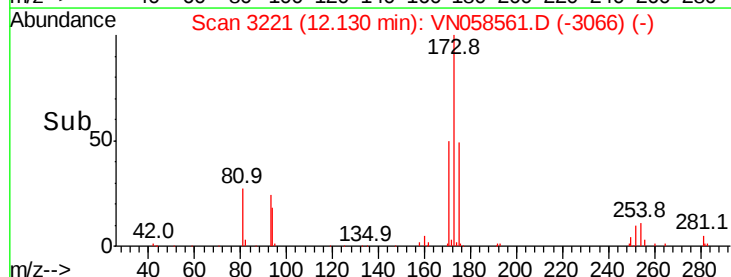
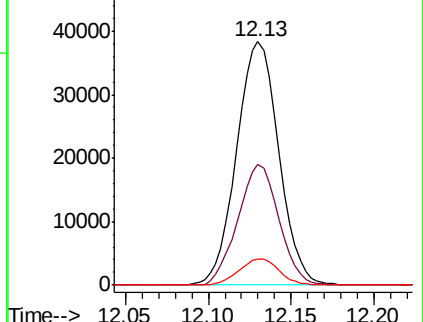
254 10.1 7.8 11.8

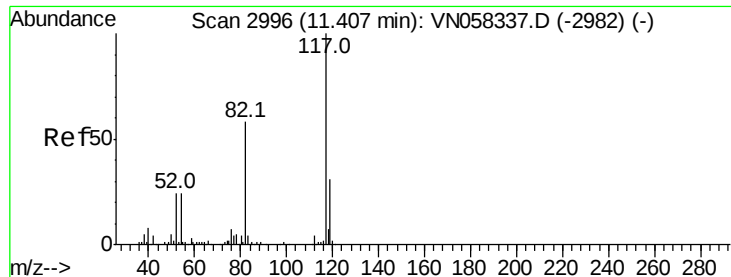


Abundance Ion 173.00 (172.70 to 173.70): VN058561.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN058561.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN058561.D (-3066) (-)

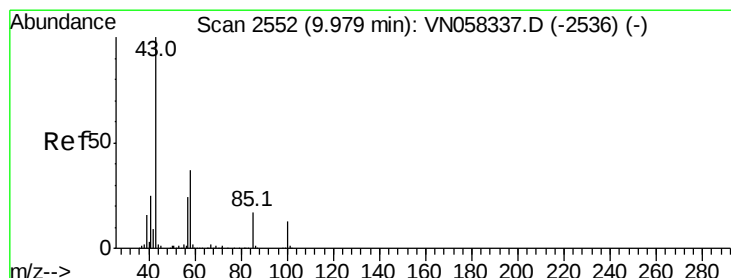
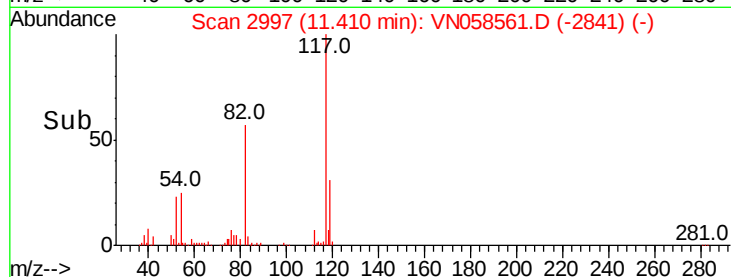
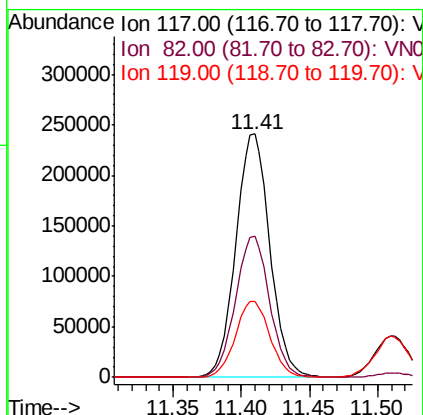
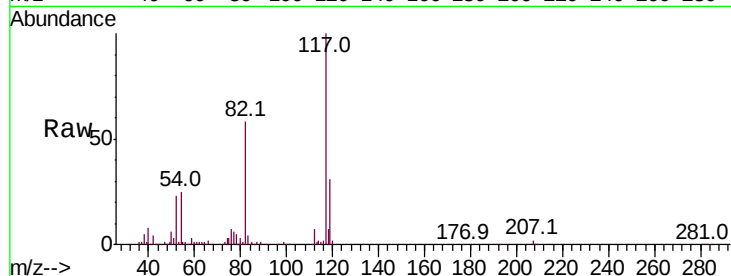




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

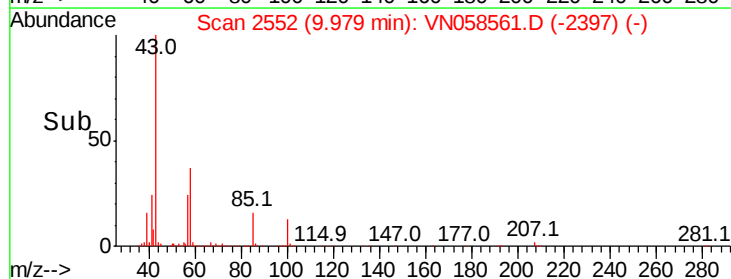
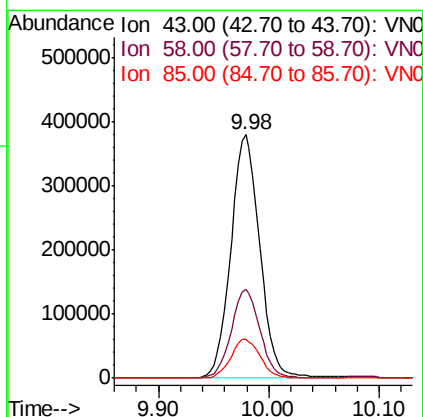
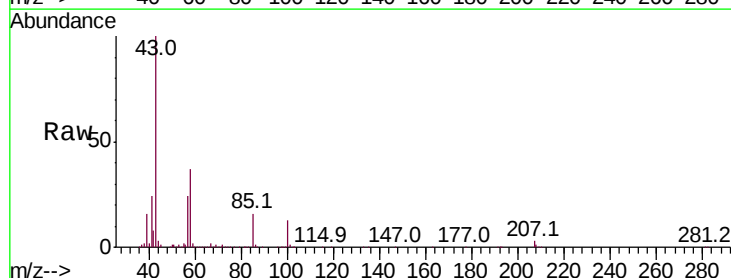
Instrument :
MSVOA_N
ClientSampleId :

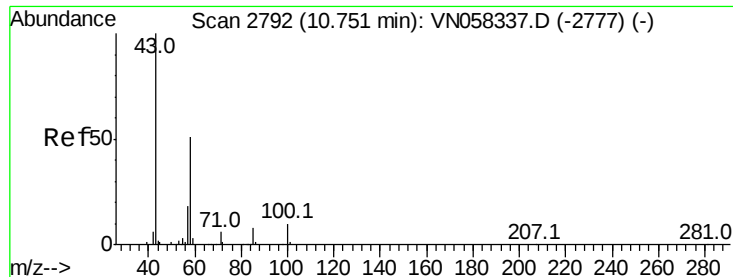
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.4	69.6
119	31.8	25.1	37.7



#58
4-Methyl-2-Pentanone
Concen: 104.903 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.3	43.9
85	16.3	13.1	19.7

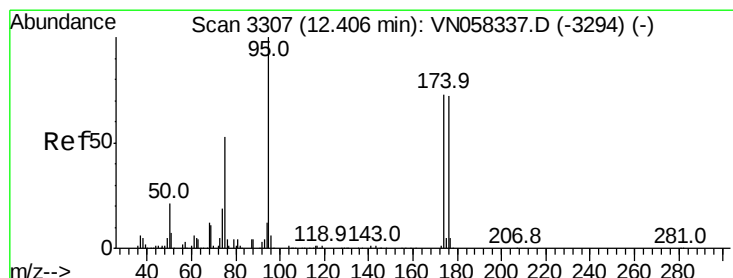
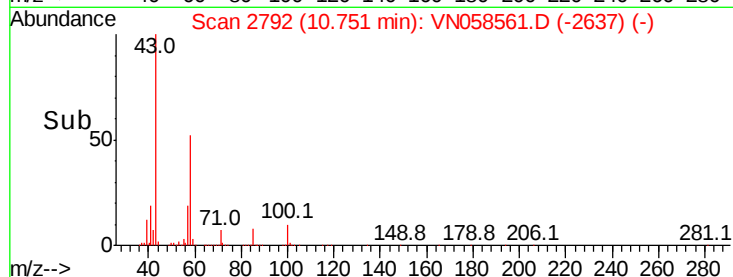
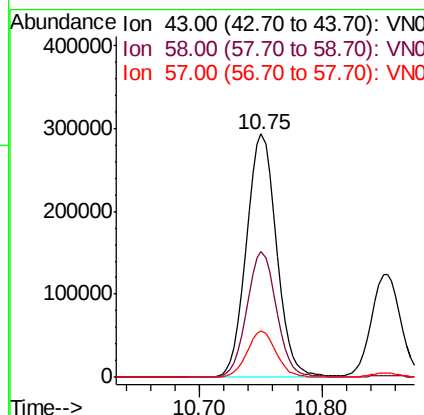
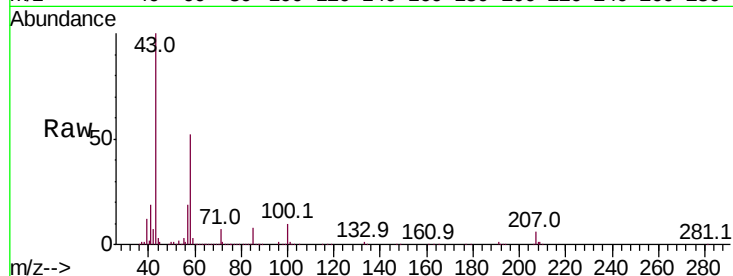




#59
2-Hexanone
Concen: 99.975 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

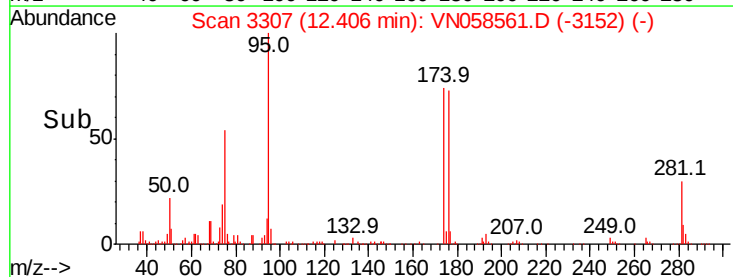
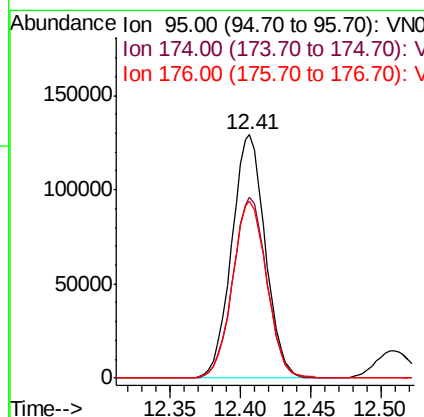
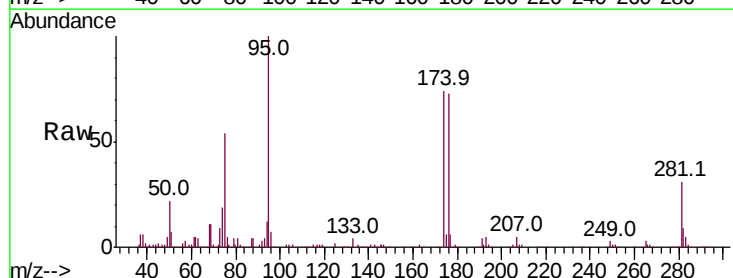
Instrument :
MSVOA_N
ClientSampleId :

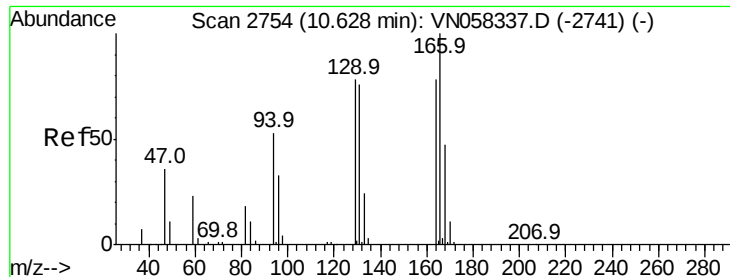
Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.7	61.1
57	18.4	14.7	22.1



#60
4-Bromofluorobenzene
Concen: 29.750 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	59.0	88.6
176	74.1	58.2	87.2





#61

Tetrachloroethene

Concen: 21.581 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 94581

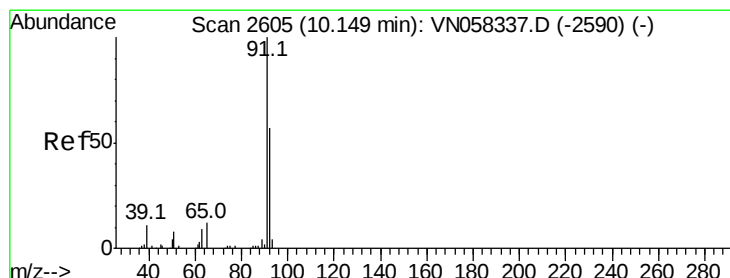
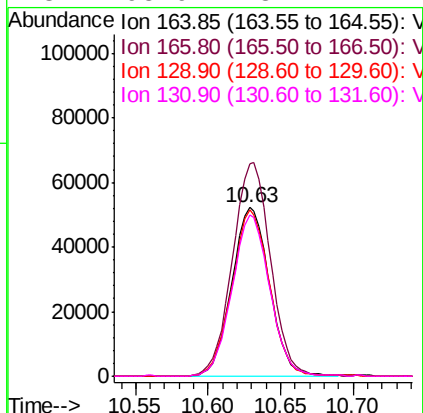
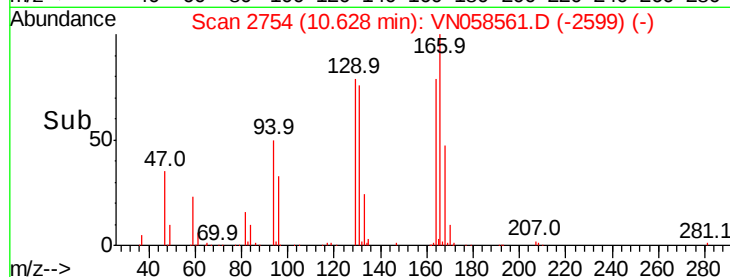
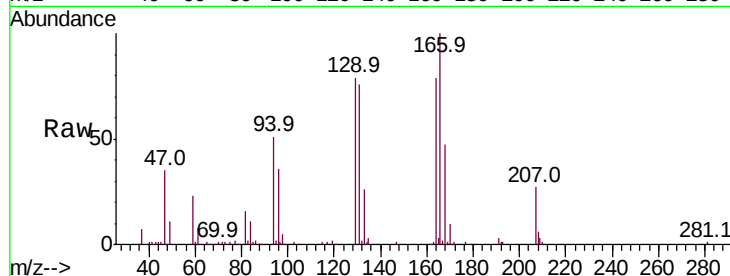
Ion Ratio Lower Upper

164 100

166 125.8 102.6 154.0

129 99.0 79.8 119.6

131 95.9 78.1 117.1



#62

Toluene

Concen: 20.759 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058561.D

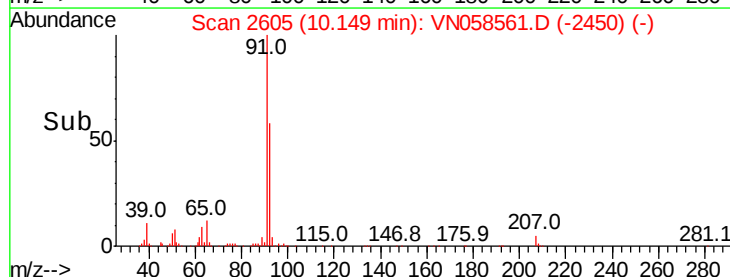
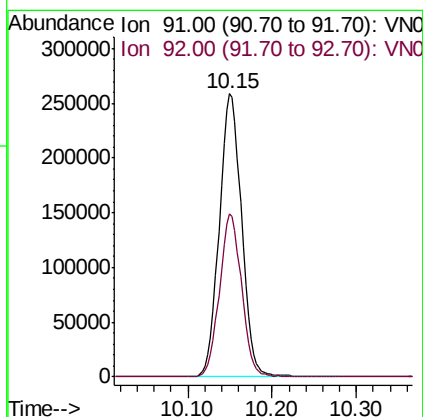
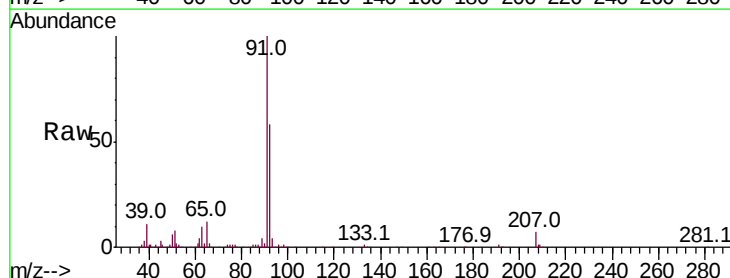
Acq: 7 Oct 2019 12:56

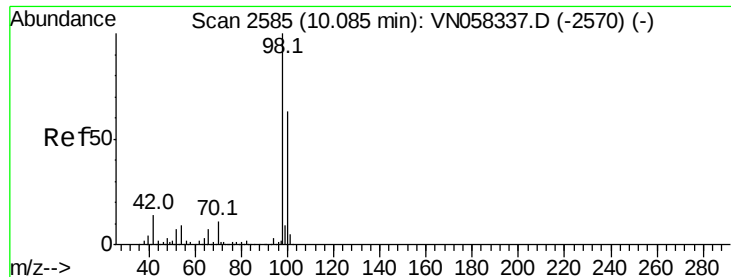
Tgt Ion: 91 Resp: 475610

Ion Ratio Lower Upper

91 100

92 56.6 45.5 68.3





#63

Toluene-d8

Concen: 29.818 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

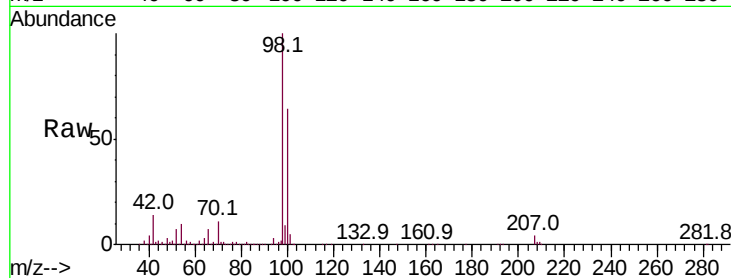
ClientSampleId :

Tot Ion: 98 Resp: 595292

Ion Ratio Lower Upper

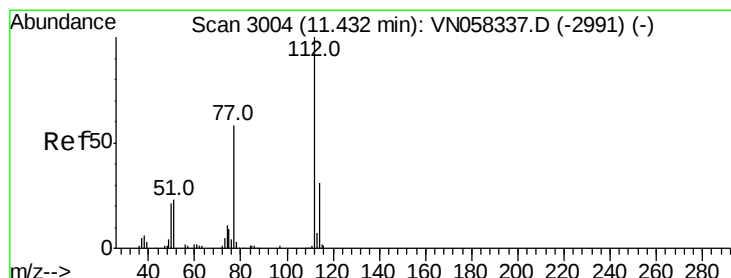
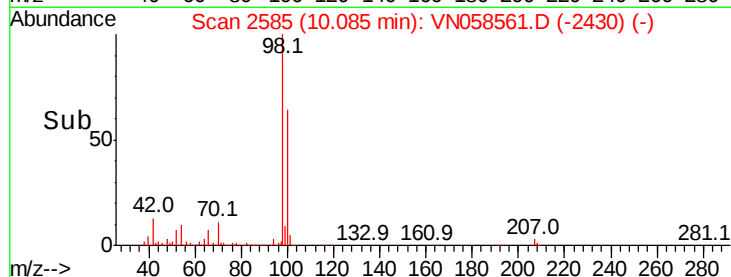
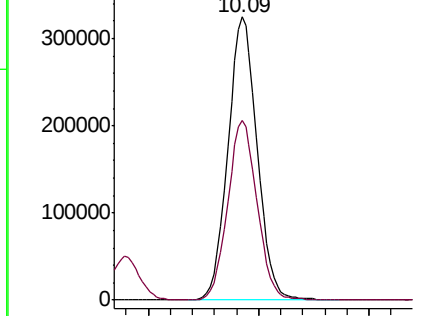
98 100

100 64.0 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 19.986 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058561.D

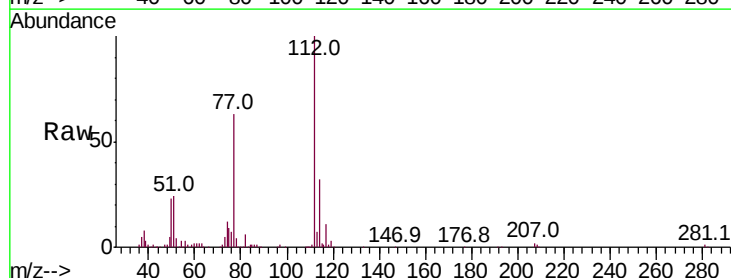
Acq: 7 Oct 2019 12:56

Tgt Ion: 112 Resp: 281385

Ion Ratio Lower Upper

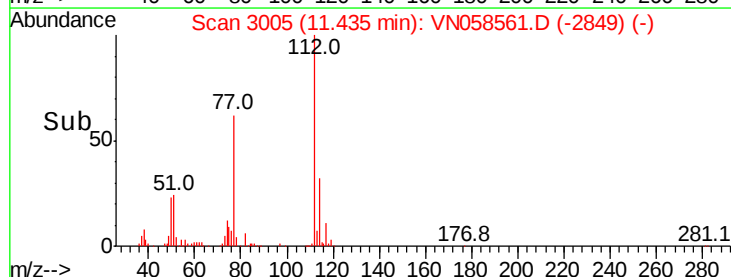
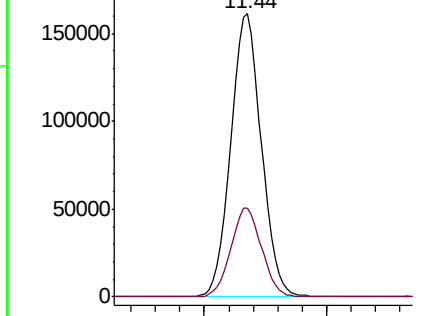
112 100

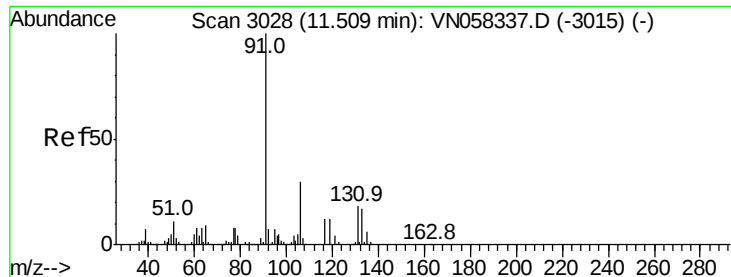
114 31.5 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 21.107 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

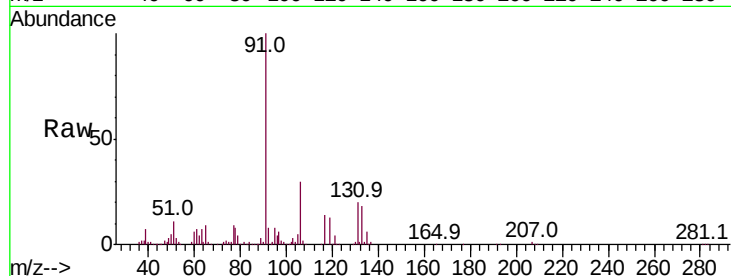
Tot Ion:131 Resp: 104179

Ion Ratio Lower Upper

131 100

133 95.6 0.0 191.8

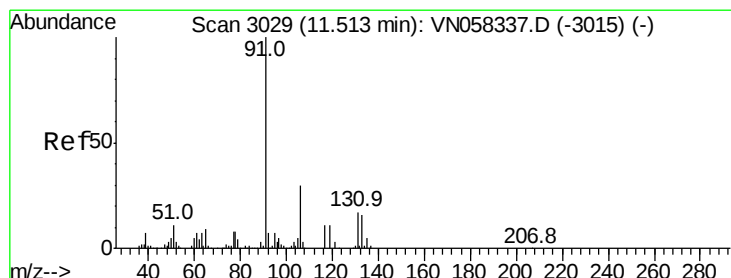
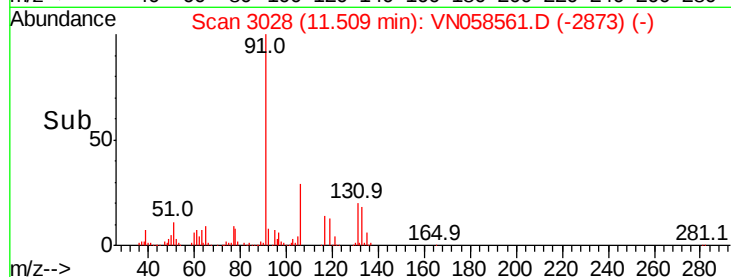
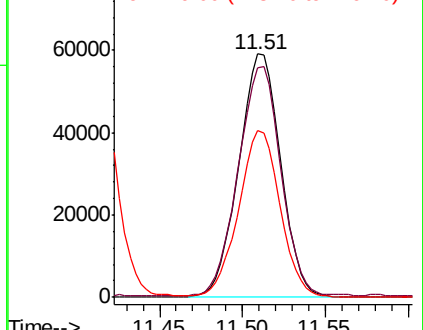
119 67.9 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.988 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058561.D

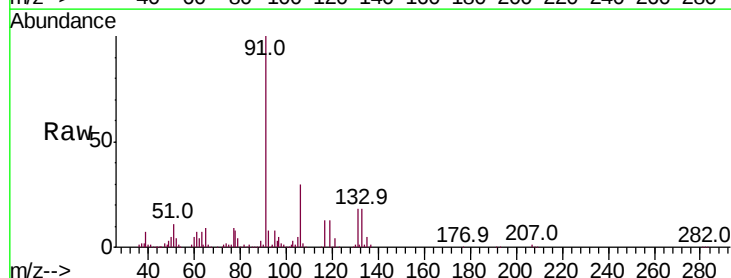
Acq: 7 Oct 2019 12:56

Tgt Ion: 91 Resp: 524333

Ion Ratio Lower Upper

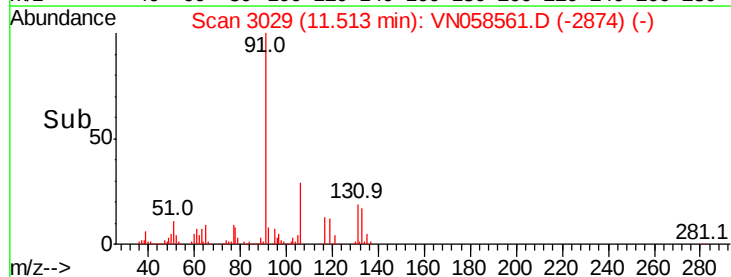
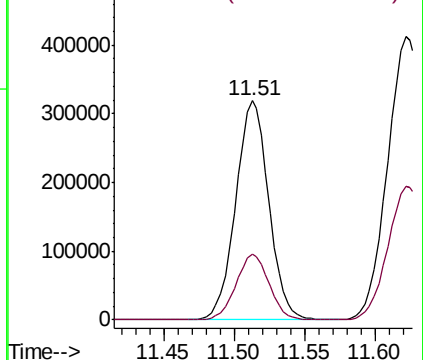
91 100

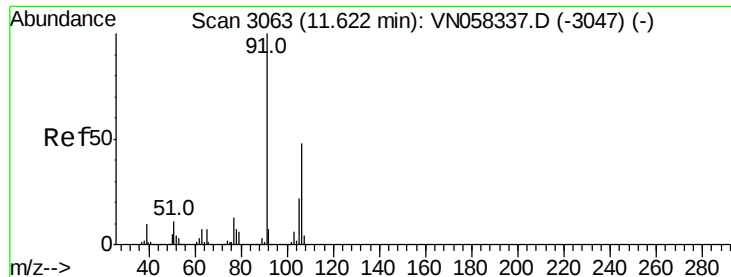
106 29.9 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.612 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

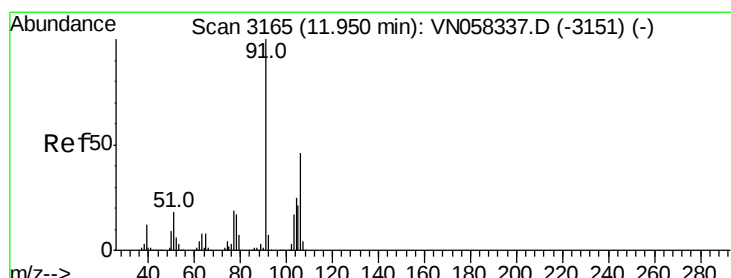
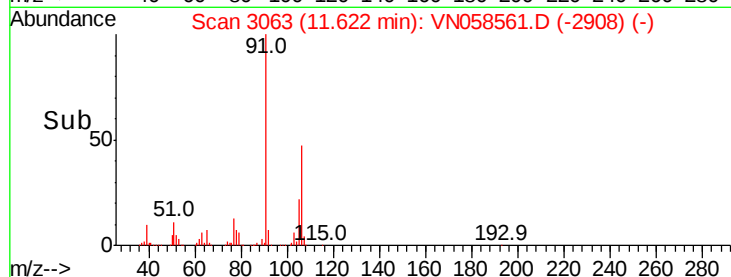
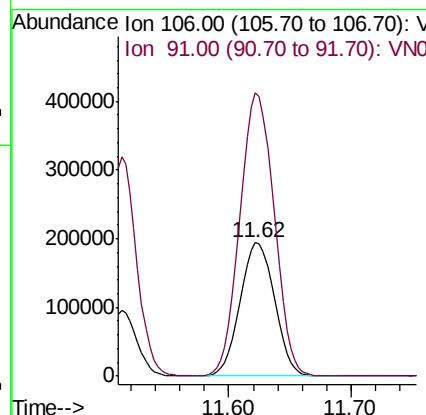
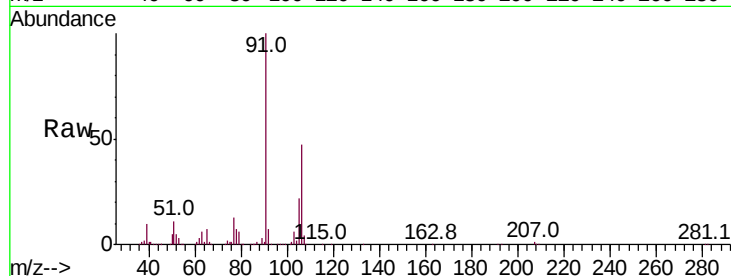
Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 379928

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.6



#68

o-Xylene

Concen: 19.784 ug/l

RT: 11.95 min Scan# 3165

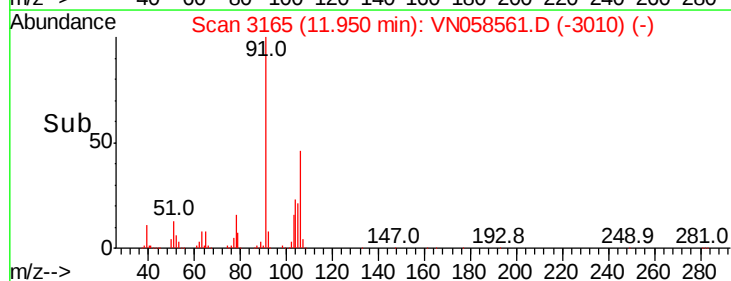
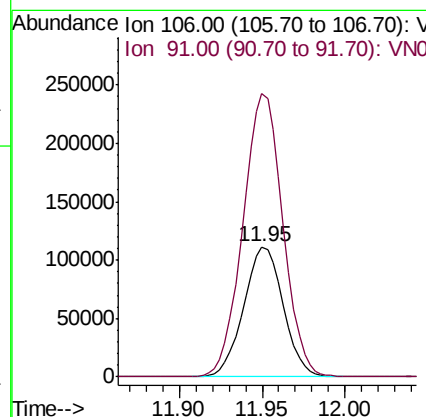
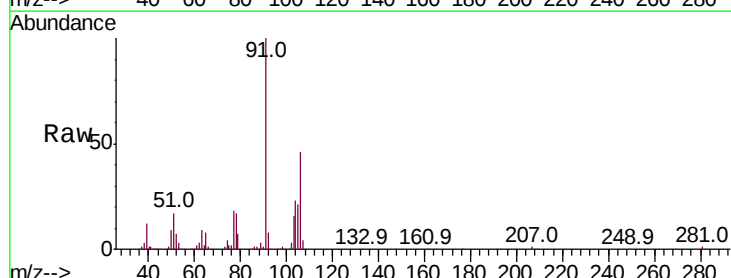
Delta R.T. -0.00 min

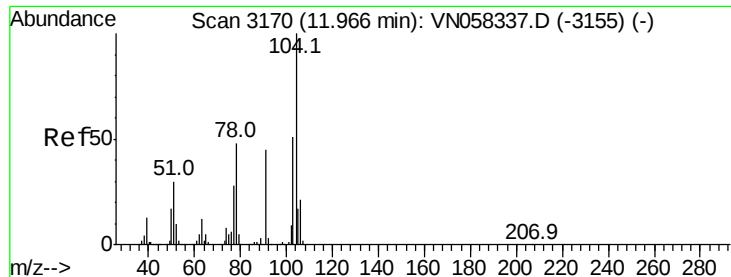
Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:106 Resp: 184514

Ion	Ratio	Lower	Upper
106	100		
91	219.6	108.7	325.9

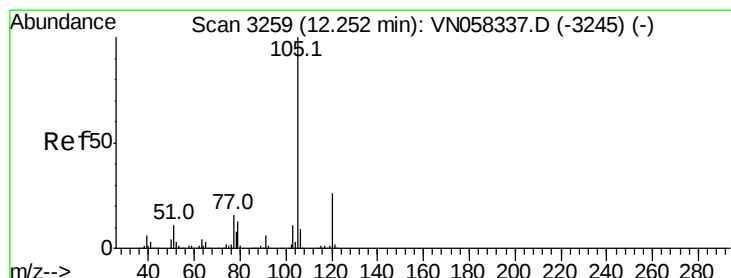
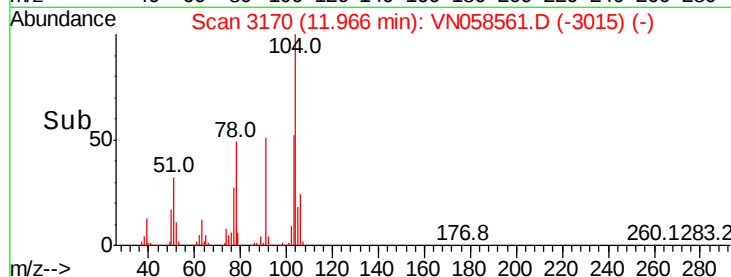
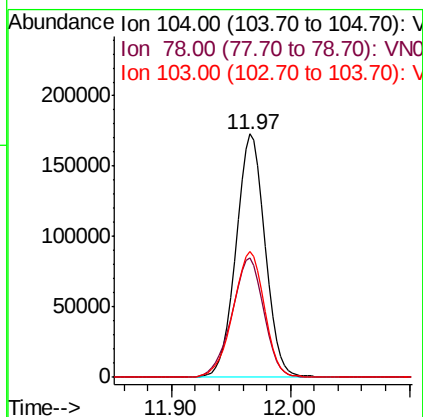
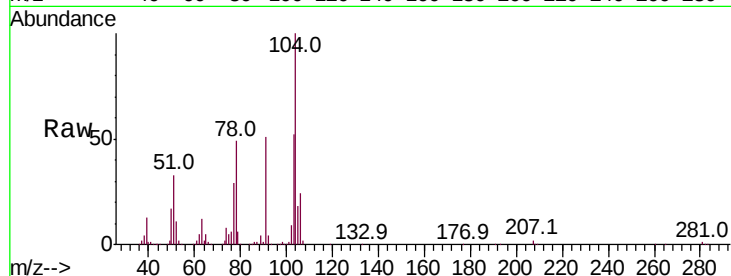




#69
Stvrene
Concen: 18.807 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

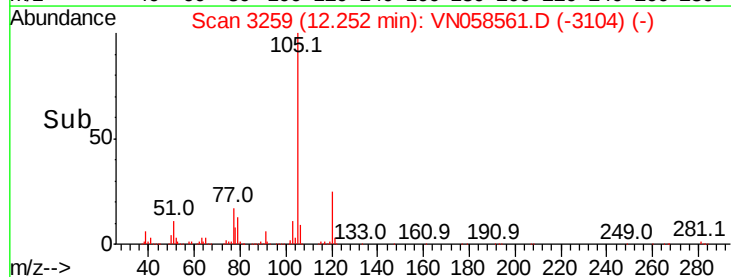
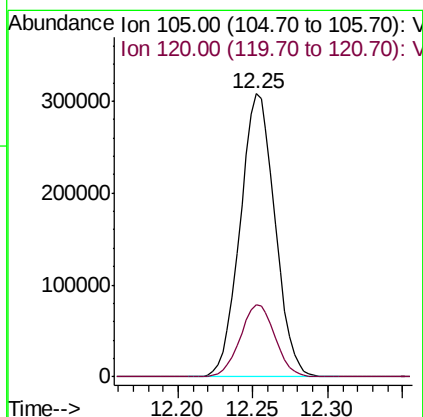
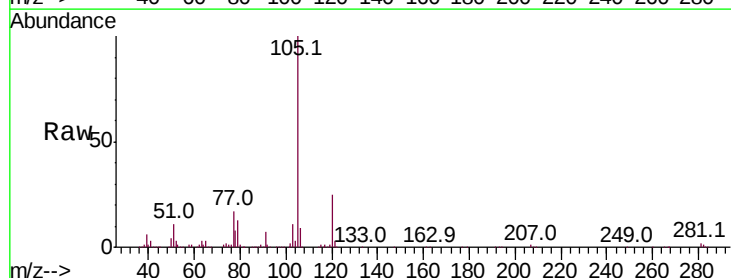
Instrument :
MSVOA_N
ClientSampleId :

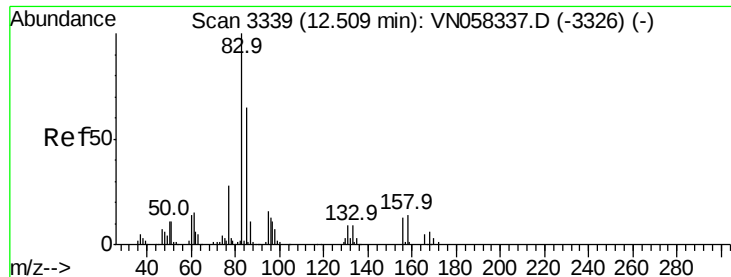
Tot Ion:104 Resp: 293314
Ion Ratio Lower Upper
104 100
78 53.9 42.3 63.5
103 55.4 44.1 66.1



#70
Isopropylbenzene
Concen: 20.654 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion:105 Resp: 499172
Ion Ratio Lower Upper
105 100
120 25.5 18.2 33.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.878 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

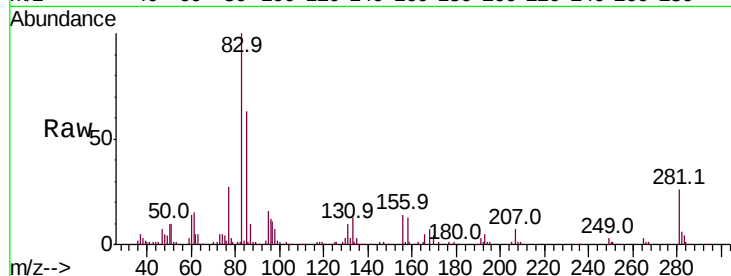
Tot Ion: 83 Resp: 152692

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

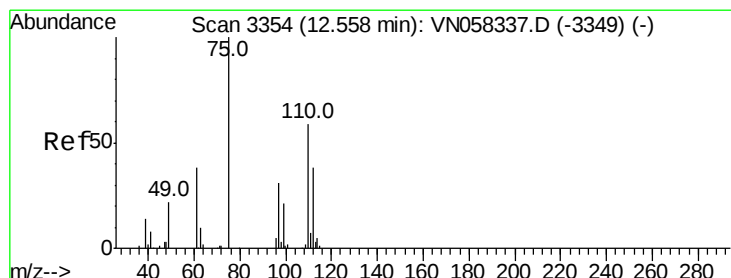
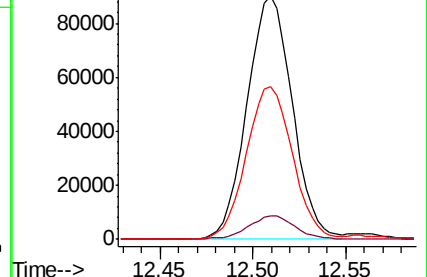
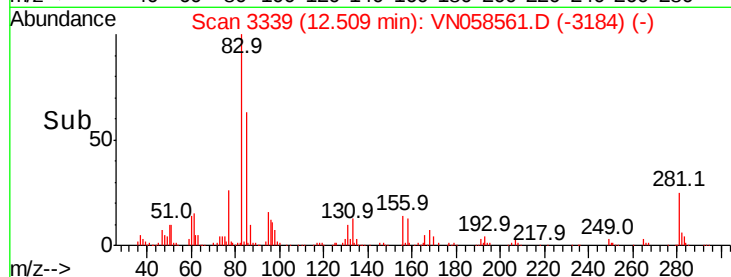
85 64.0 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 29.553 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058561.D

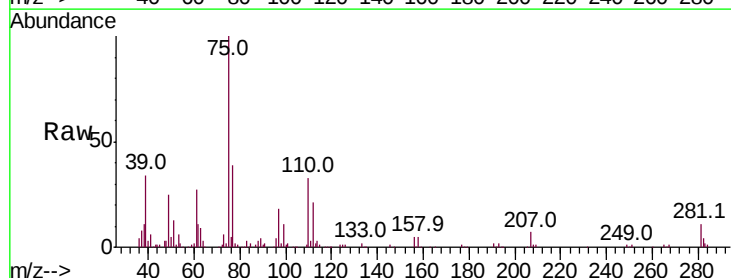
Acq: 7 Oct 2019 12:56

Tgt Ion: 75 Resp: 195235

Ion Ratio Lower Upper

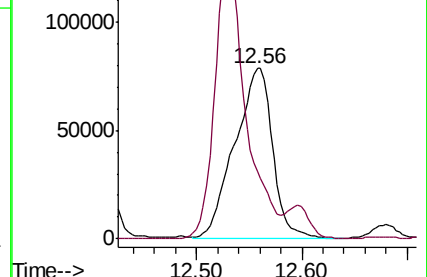
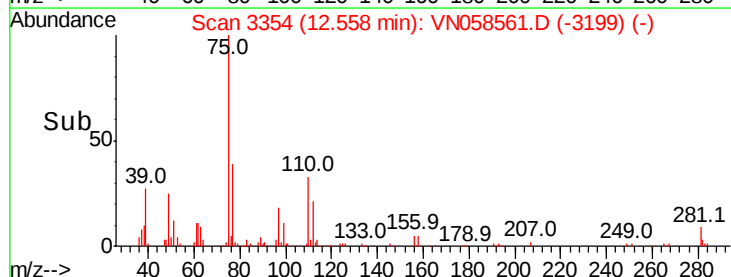
75 100

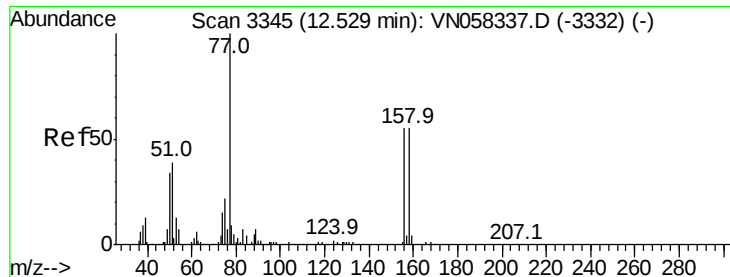
77 135.1 0.0 382.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.021 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

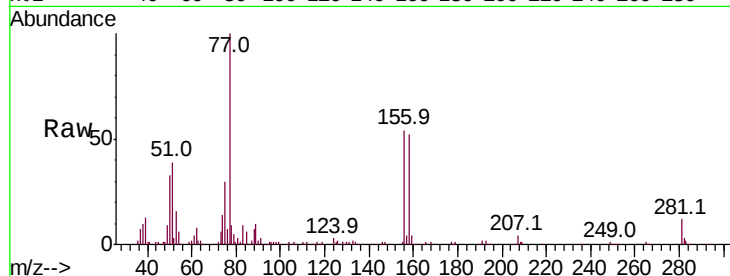
Tot Ion:156 Resp: 117204

Ion Ratio Lower Upper

156 100

77 225.0 0.0 438.8

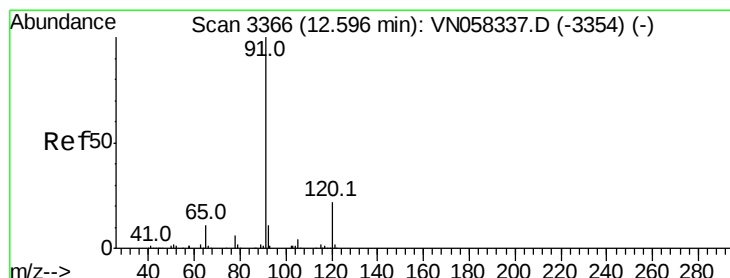
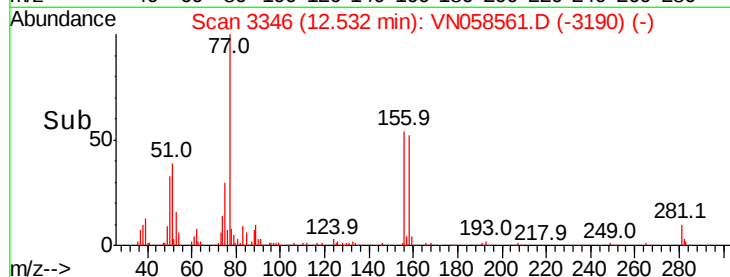
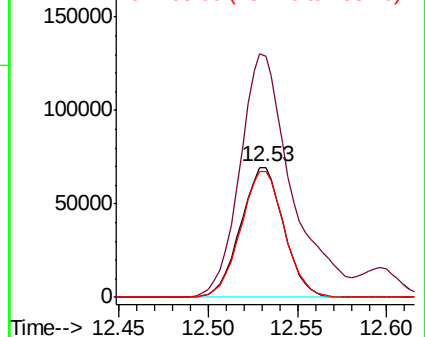
158 98.2 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.349 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058561.D

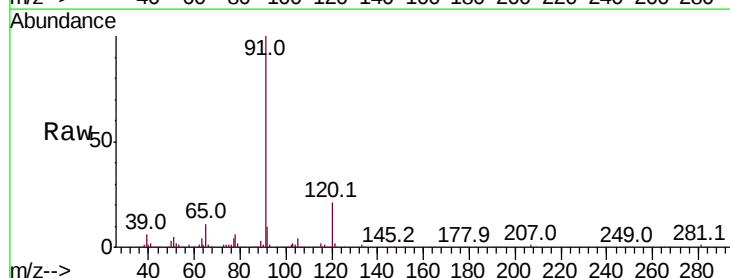
Acq: 7 Oct 2019 12:56

Tgt Ion: 91 Resp: 594837

Ion Ratio Lower Upper

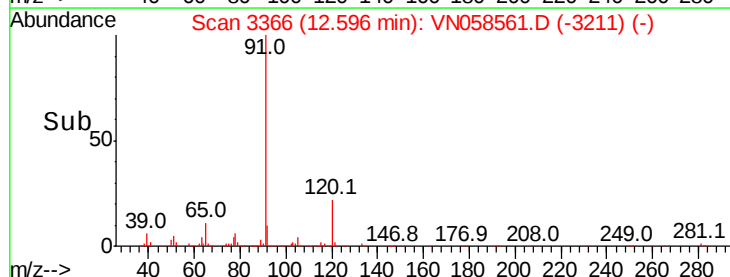
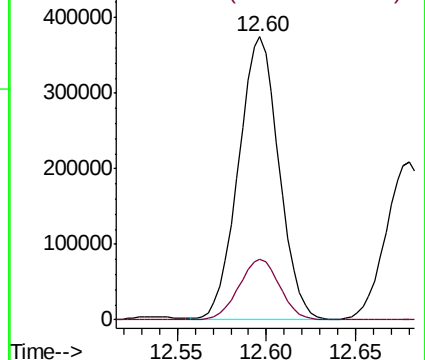
91 100

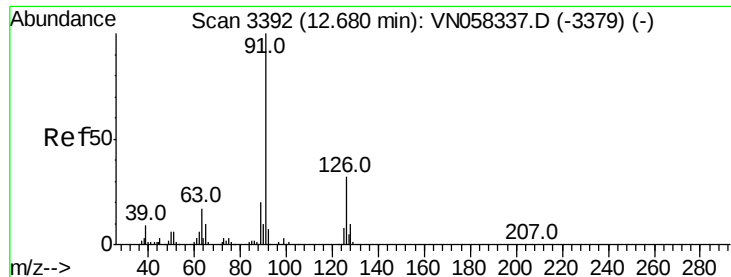
120 21.6 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.076 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

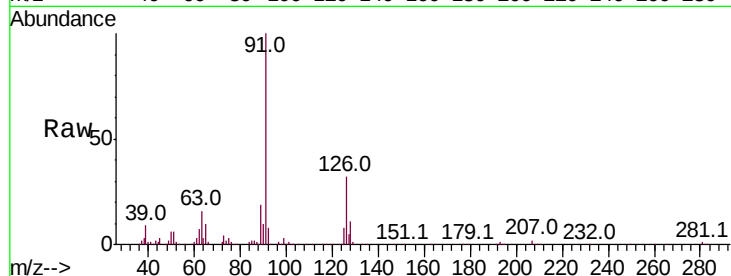
ClientSampleId :

Tot Ion: 91 Resp: 349913

Ion Ratio Lower Upper

91 100

126 32.5 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)

250000

200000

150000

100000

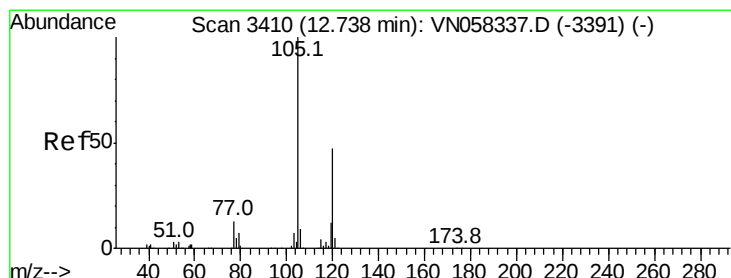
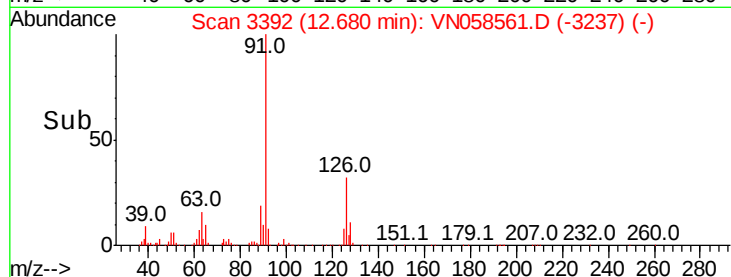
50000

0

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.428 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058561.D

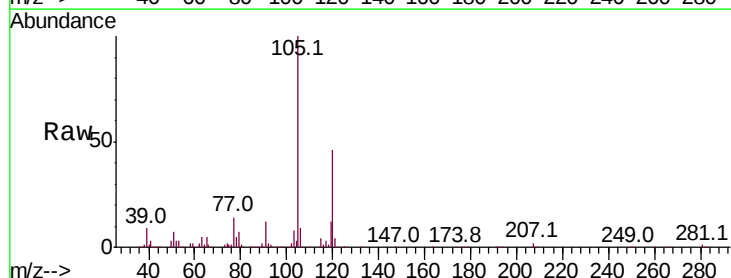
Acq: 7 Oct 2019 12:56

Tgt Ion: 105 Resp: 425128

Ion Ratio Lower Upper

105 100

120 47.0 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

300000

250000

200000

150000

100000

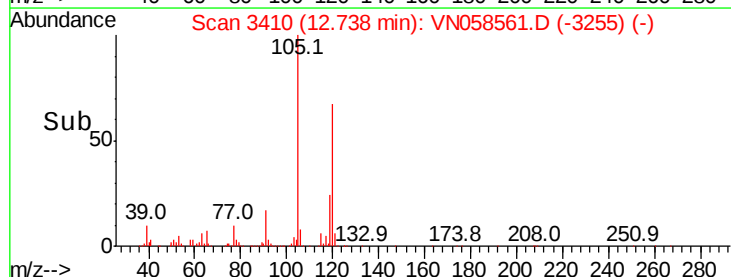
50000

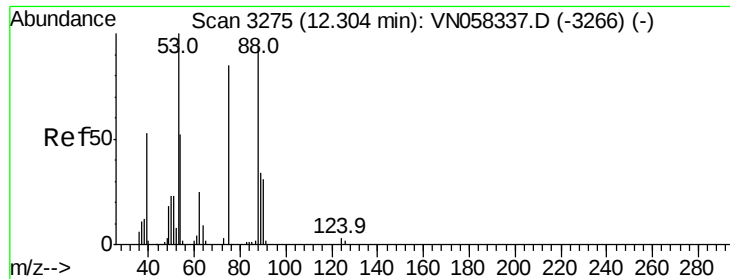
0

12.70

12.80

Time-->

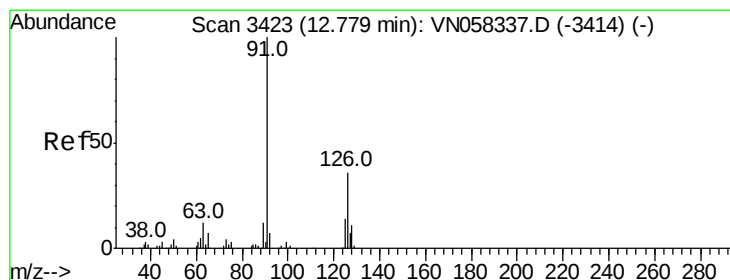
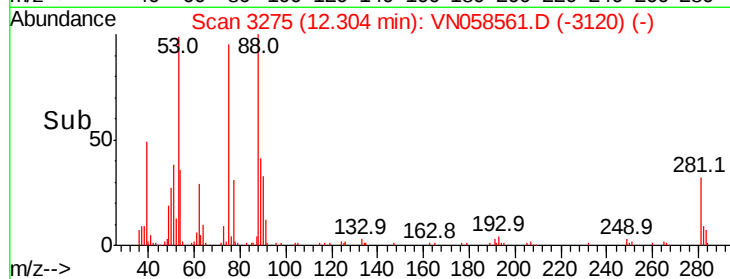
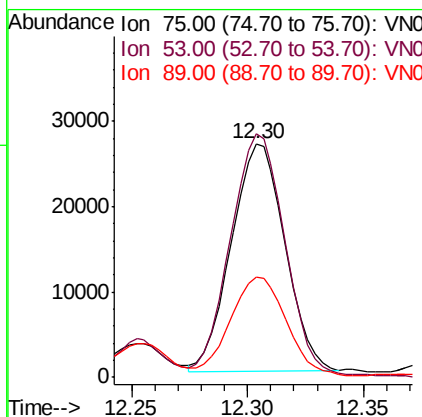
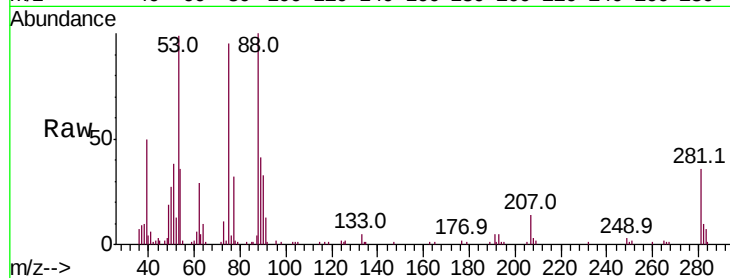




#77
t-1,4-Dichloro-2-butene
Concen: 19.801 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

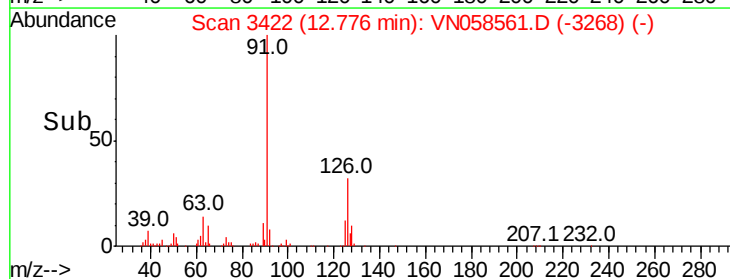
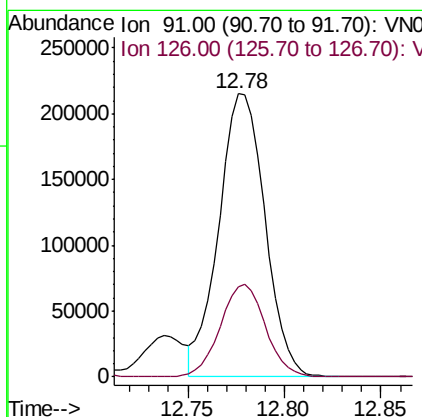
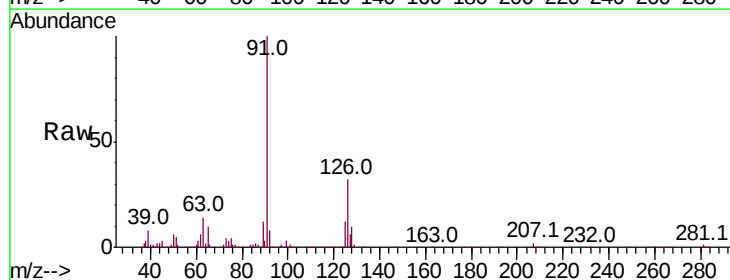
Instrument :
MSVOA_N
ClientSampleId :

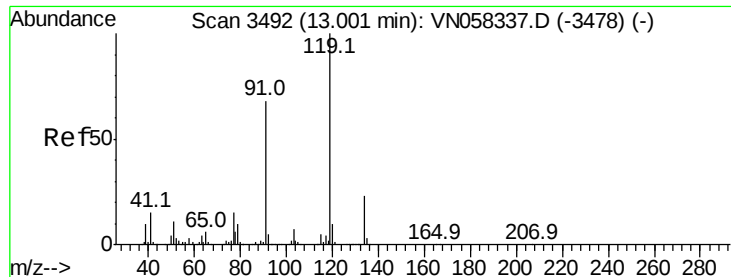
Tot Ion	75	Resp	42669
Ion Ratio	Lower	Upper	
75	100		
53	105.3	59.0	176.8
89	43.0	21.6	65.0



#78
4-Chlorotoluene
Concen: 19.905 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	91	Resp	355560
Ion Ratio	Lower	Upper	
91	100		
126	31.9	0.0	63.8





#79

tert-butylbenzene

Concen: 19.453 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

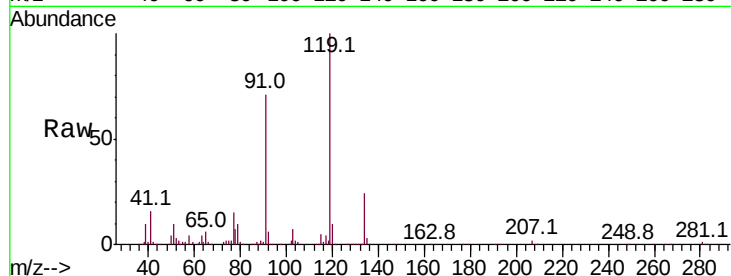
Tot Ion:119 Resp: 350506

Ion Ratio Lower Upper

119 100

91 69.6 0.0 138.2

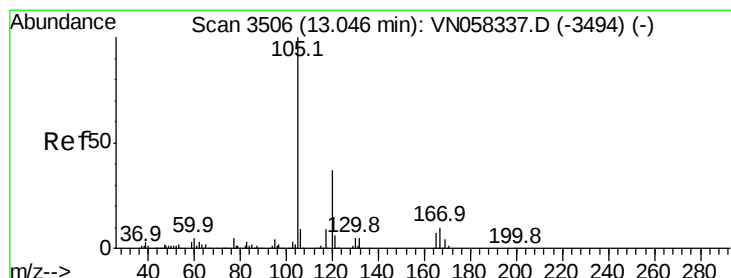
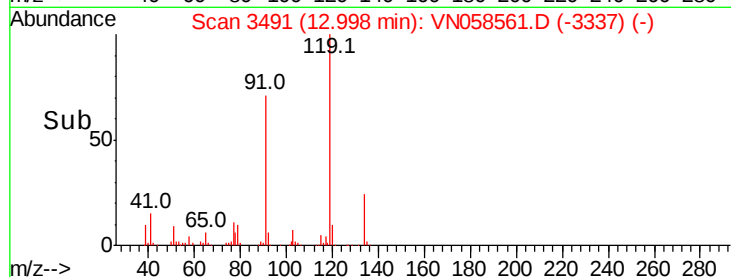
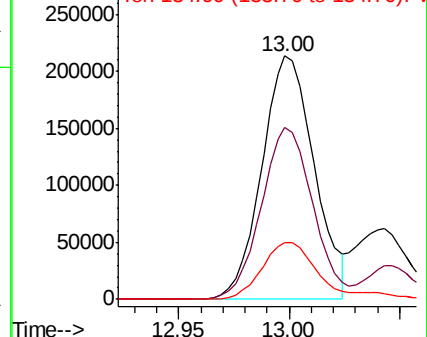
134 24.3 0.0 46.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.225 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058561.D

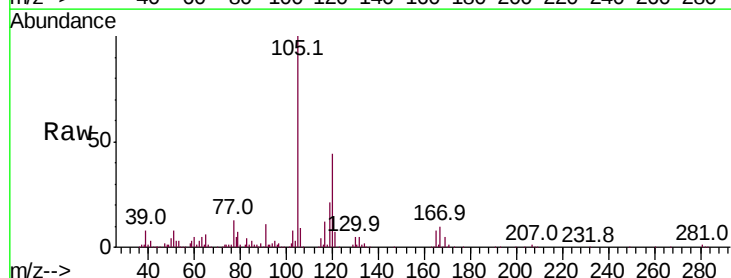
Acq: 7 Oct 2019 12:56

Tgt Ion:105 Resp: 420119

Ion Ratio Lower Upper

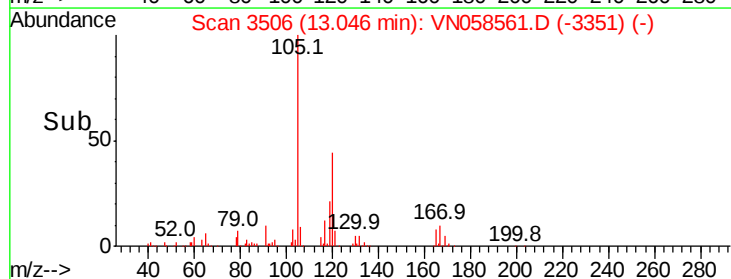
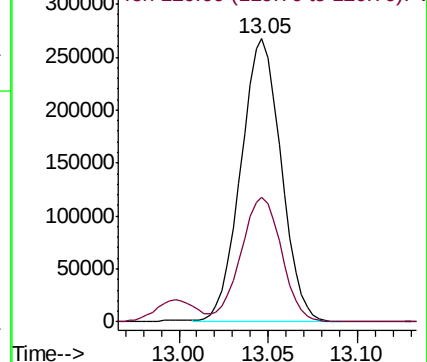
105 100

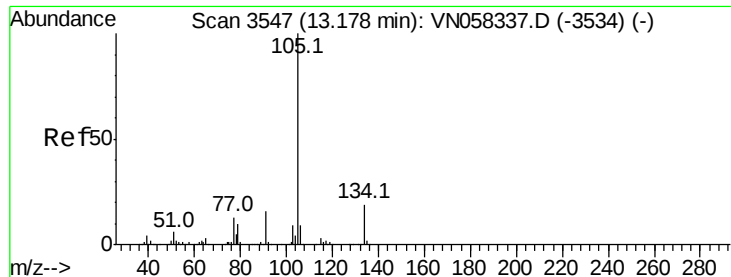
120 44.5 0.0 86.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

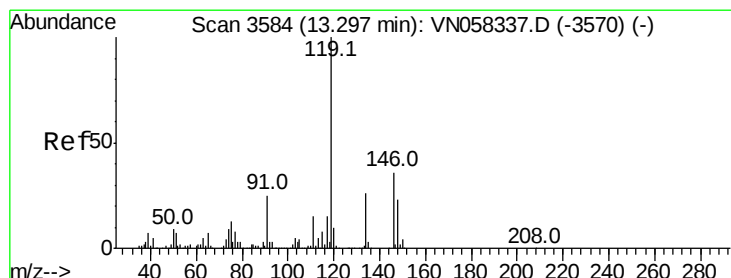
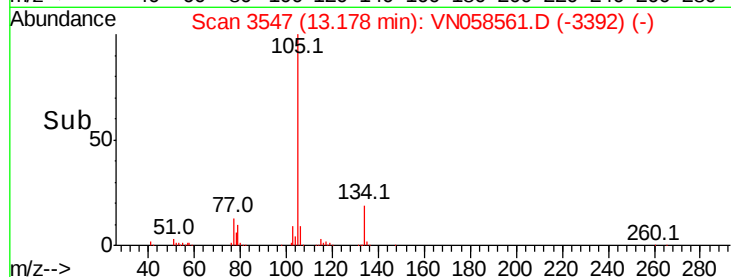
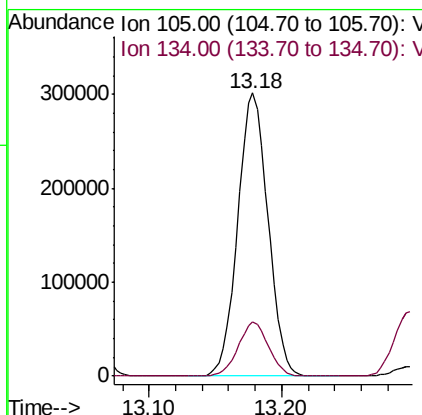
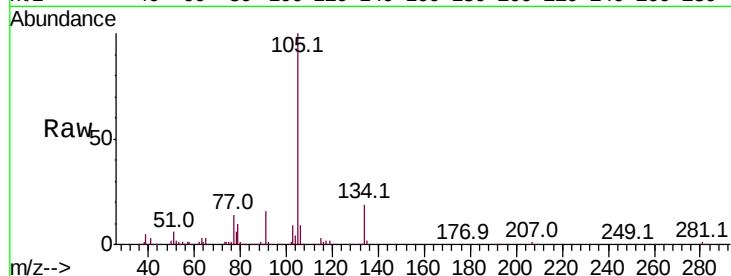




#81
 sec-Butylbenzene
 Concen: 20.165 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

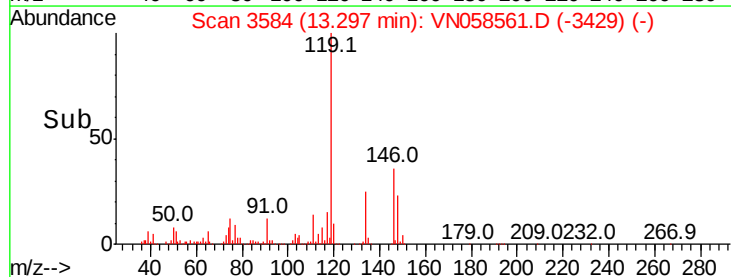
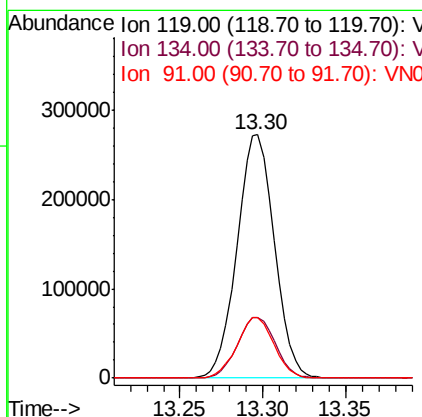
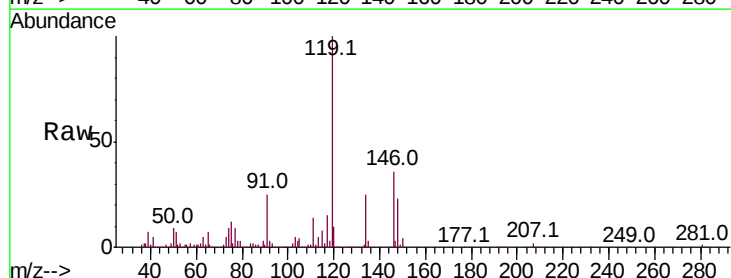
Instrument :
 MSVOA_N
 ClientSampleId :

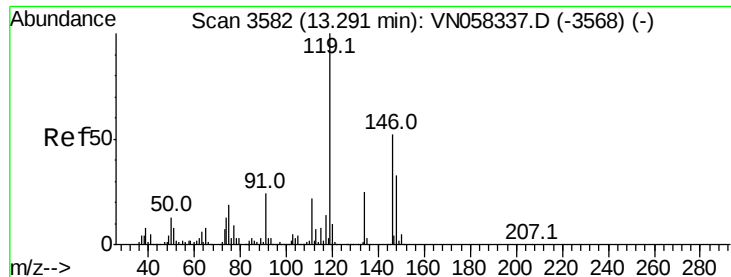
Tot Ion:105 Resp: 476551
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 38.2



#82
 p-Isopropyltoluene
 Concen: 19.976 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion:119 Resp: 425125
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.6
 91 24.8 0.0 49.6

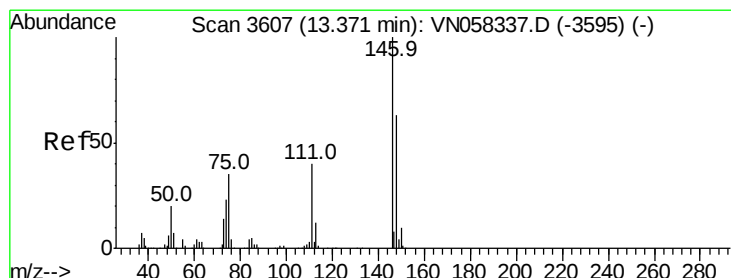
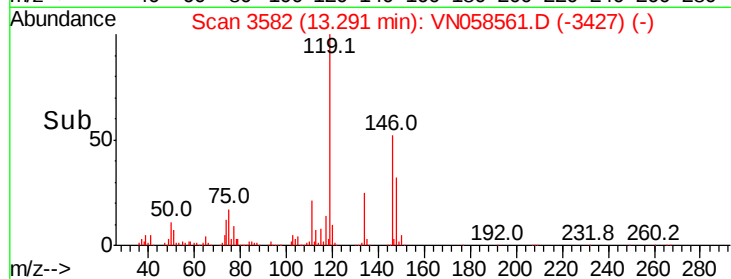
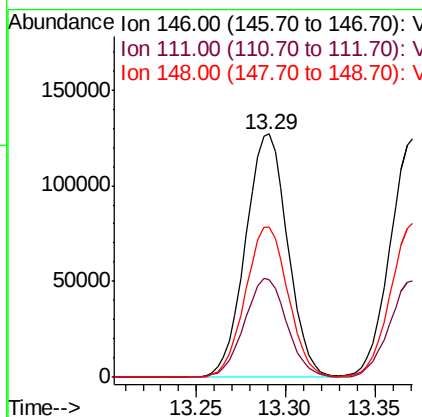
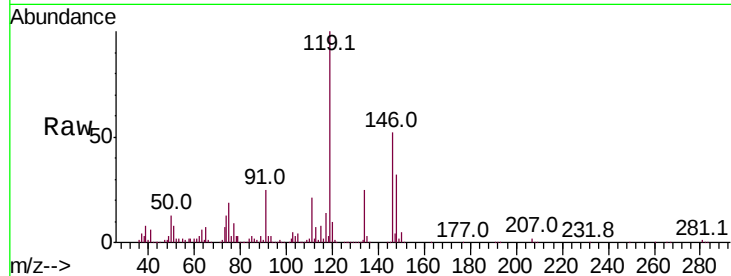




#83
 1,3-Dichlorobenzene
 Concen: 19.411 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

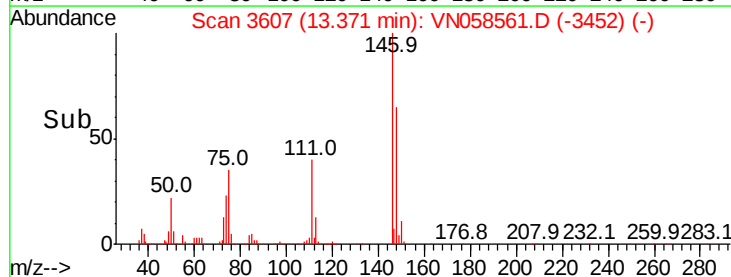
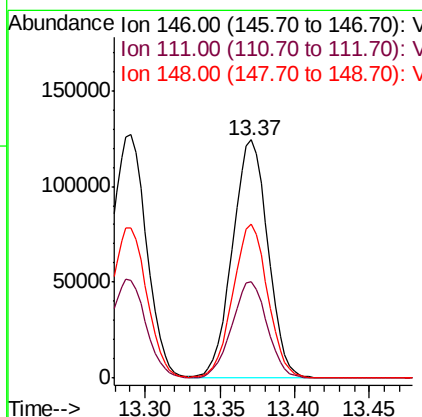
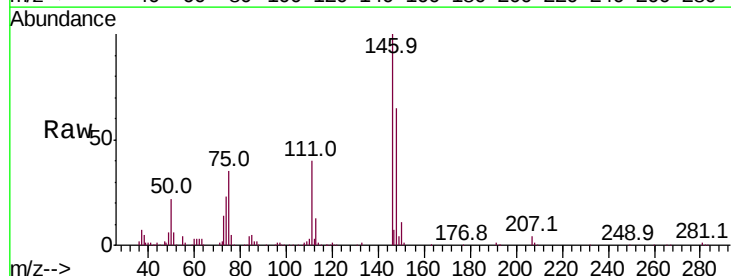
Instrument :
 MSVOA_N
 ClientSampleId :

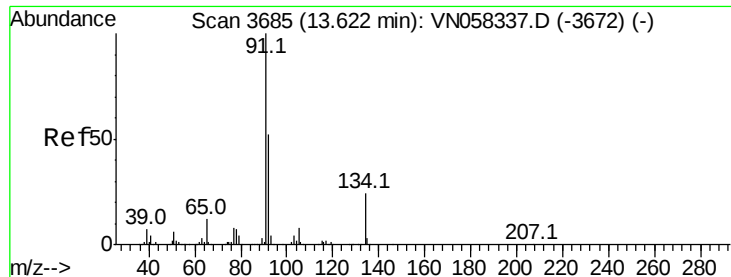
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	62.6	32.0	96.2



#84
 1,4-Dichlorobenzene
 Concen: 19.096 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	64.0	31.9	95.7

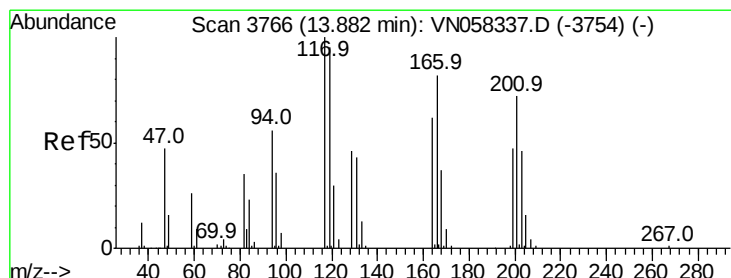
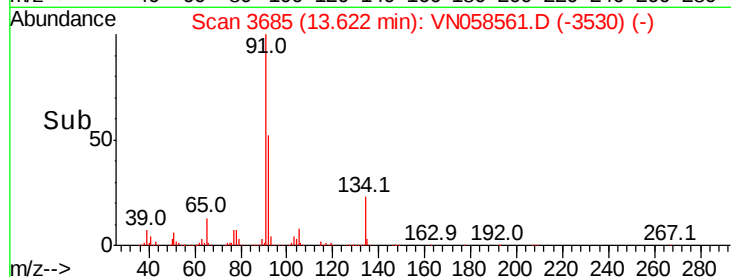
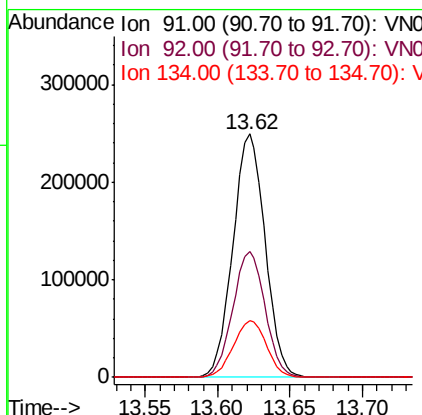
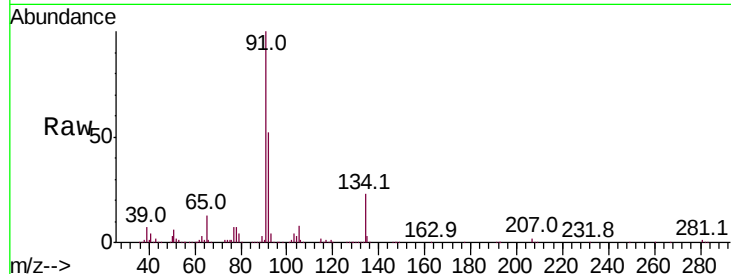




#85
n-Butylbenzene
Concen: 19.487 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

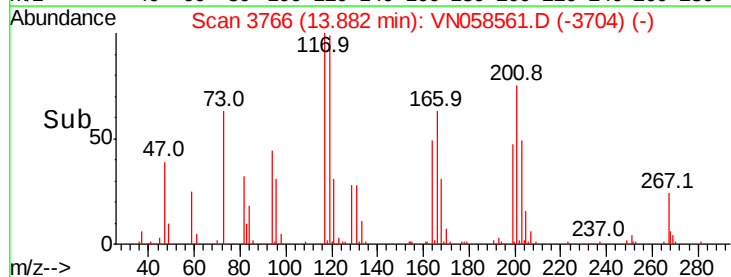
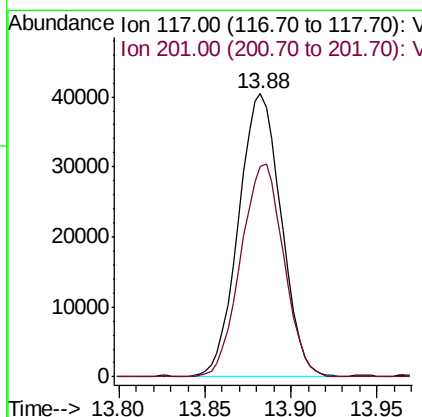
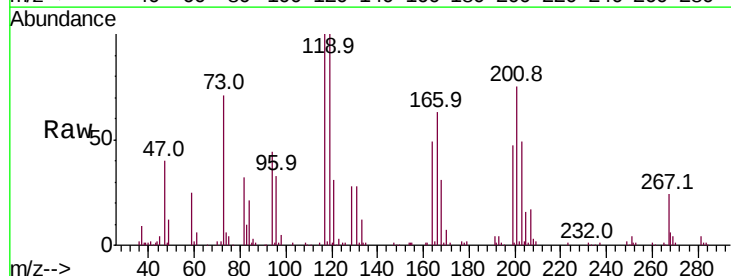
Instrument :
MSVOA_N
ClientSampleId :

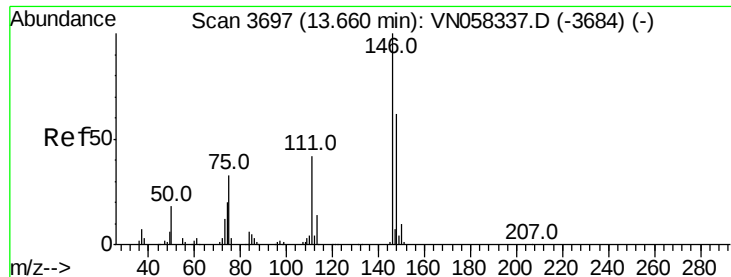
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	102.6
134	23.9	0.0	47.8



#86
Hexachloroethane
Concen: 20.323 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	37.2	111.6

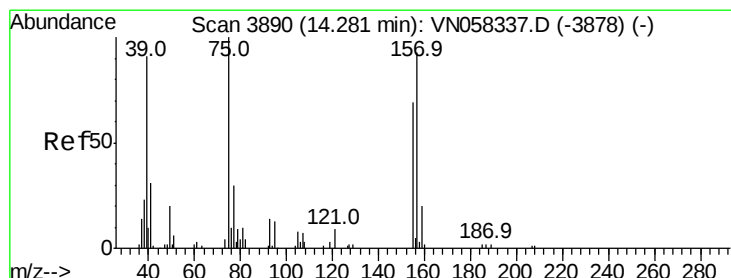
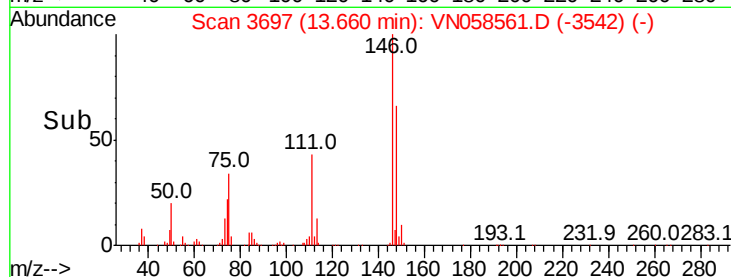
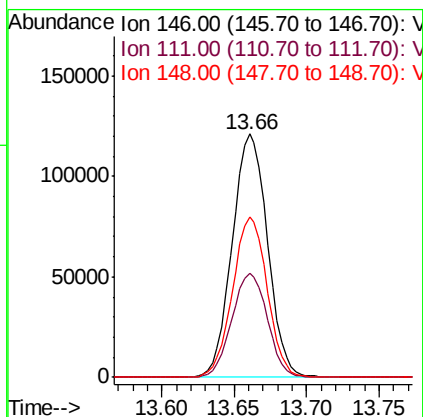
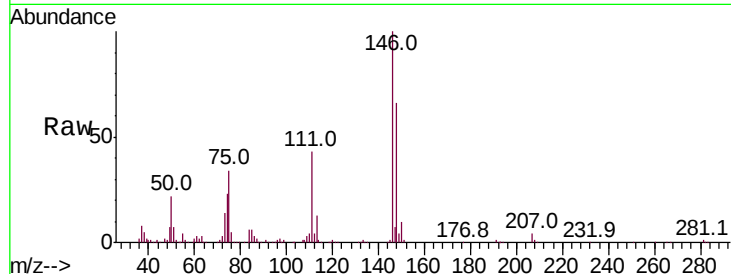




#87
 1,2-Dichlorobenzene
 Concen: 19.437 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

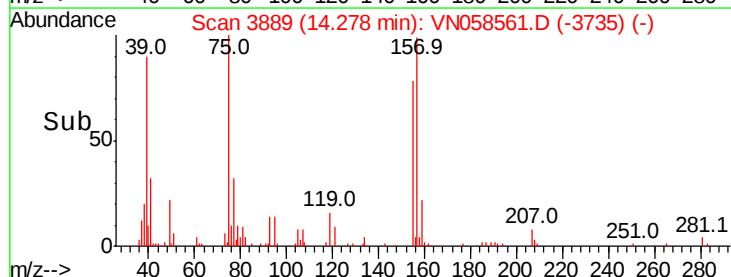
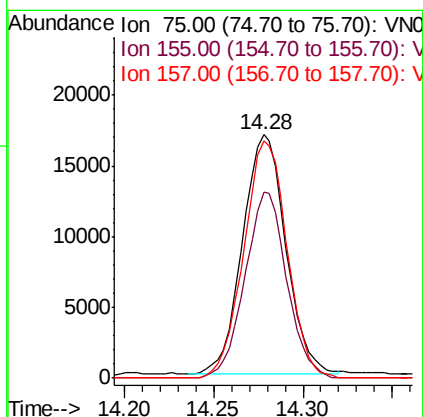
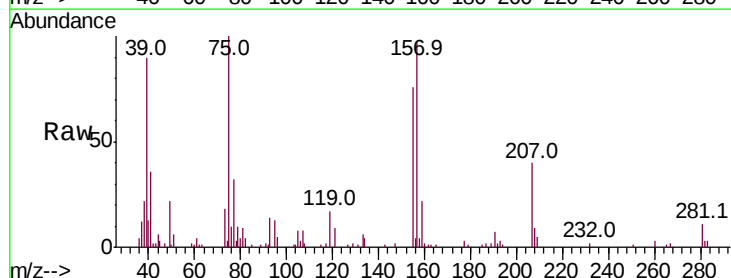
Instrument :
 MSVOA_N
 ClientSampleId :

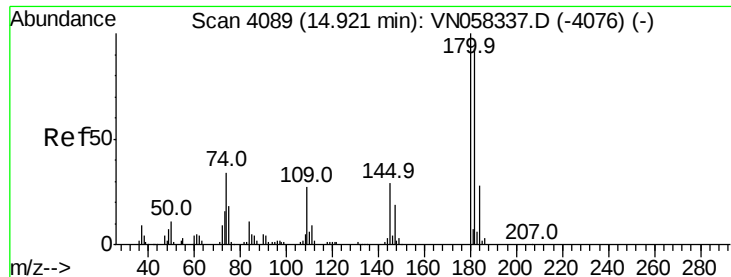
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.3
148	64.6	31.9	95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.163 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	58.5	87.7
157	98.5	75.4	113.2

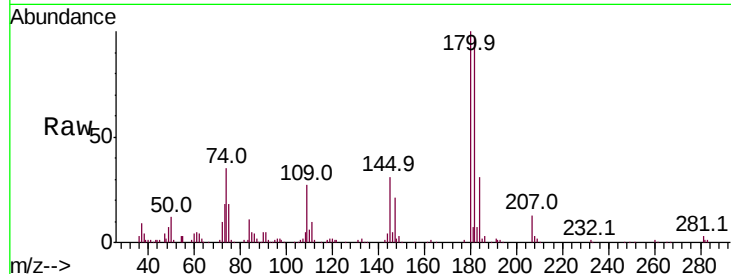




#89
1,2,4-Trichlorobenzene
Concen: 16.998 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.2	112.8
145	31.4	25.1	37.7

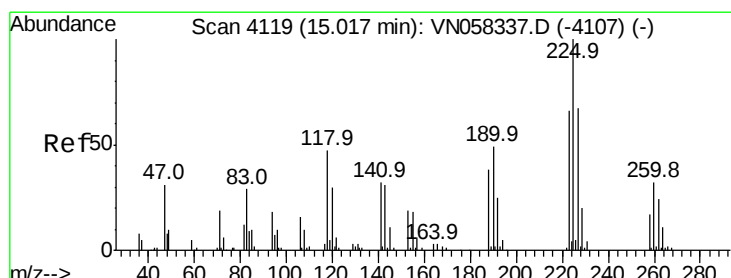
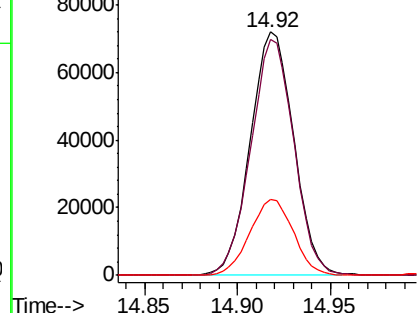
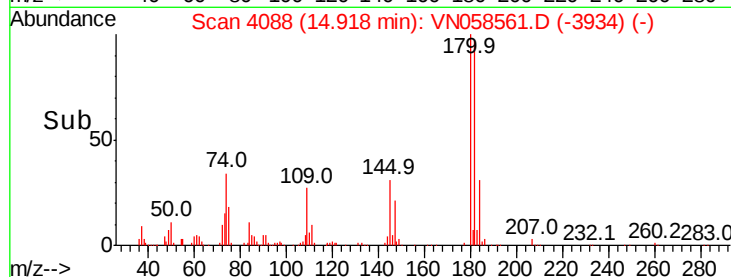


Abundance

Ion 180.00 (179.70 to 180.70): V

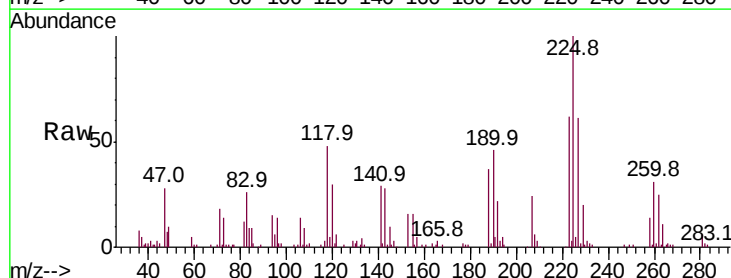
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 17.236 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	132.6
227	62.5	0.0	129.2

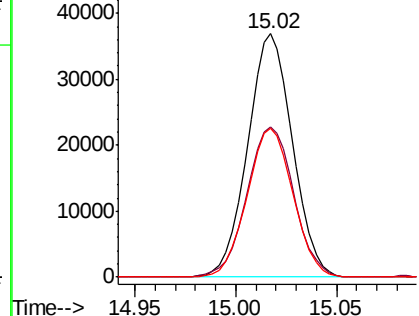
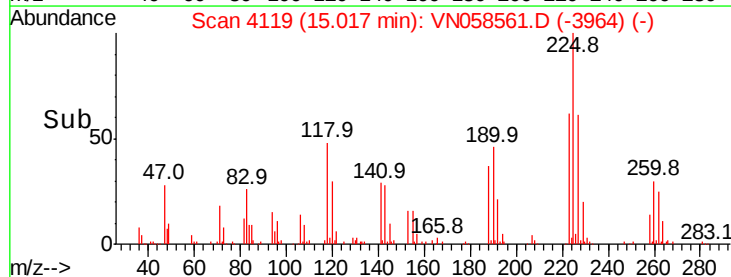


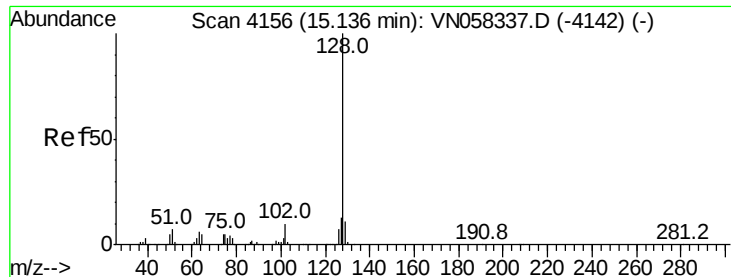
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 17.362 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

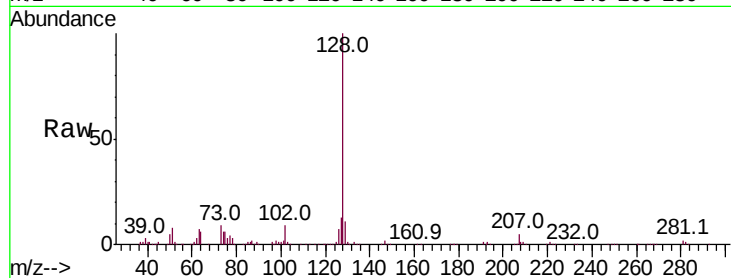
Tot Ion:128 Resp: 328510

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

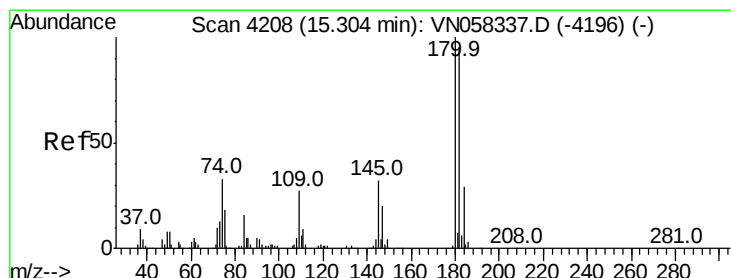
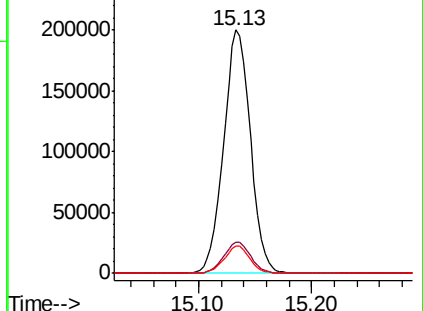
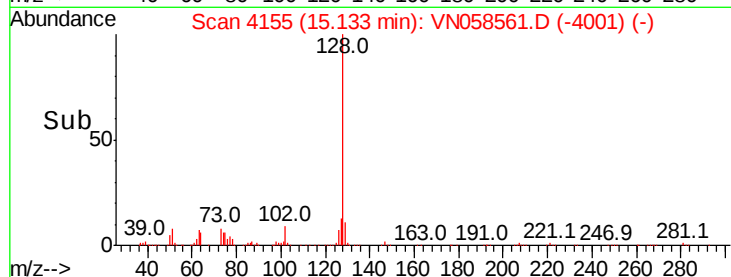
129 10.9 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 17.112 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

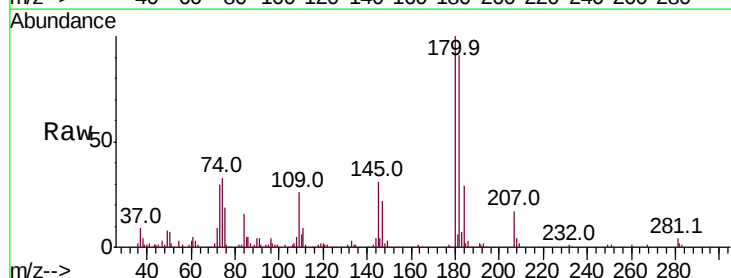
Tgt Ion:180 Resp: 113238

Ion Ratio Lower Upper

180 100

182 92.2 0.0 189.4

145 32.1 0.0 64.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

