

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080819\
 Data File : VN057123.D
 Acq On : 8 Aug 2019 11:32
 Operator : JC/SP
 Sample : VN0808WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Quant Time: Aug 09 03:12:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1234923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1824327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1598251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	561548	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	641309	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	6.98	113	592092	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	9.56	98	2260675	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.92	95	691207	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.82	85	182697	18.407	ug/l	97
3) Chloromethane	2.00	50	244964	18.575	ug/l	100
4) Vinyl Chloride	2.11	62	235618	19.221	ug/l	98
5) Bromomethane	2.43	94	172194	20.674	ug/l	100
6) Chloroethane	2.55	64	155558	19.785	ug/l	99
7) Trichlorofluoromethane	2.83	101	343759	19.510	ug/l	99
8) Diethyl Ether	3.14	74	133925	19.673	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	210385	19.696	ug/l	100
10) Methyl Iodide	3.63	142	318909	19.757	ug/l	98
11) Tert butyl alcohol	4.23	59	164947	91.267	ug/l	100
12) 1,1-Dichloroethene	3.43	96	211339	20.112	ug/l	99
13) Acrolein	3.31	56	104794	91.656	ug/l	99
14) Allyl chloride	3.91	41	330020	21.611	ug/l	93
15) Acrylonitrile	4.45	53	491549	100.494	ug/l	98
16) Acetone	3.47	43	423668	110.460	ug/l	100
17) Carbon Disulfide	3.72	76	557797	19.954	ug/l	100
18) Methyl Acetate	3.89	43	236637	20.317	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	641692	20.228	ug/l	97
20) Methylene Chloride	4.10	84	247241	19.532	ug/l	98
21) trans-1,2-Dichloroethene	4.51	96	226069	19.750	ug/l	92
22) Diisopropyl ether	5.32	45	676678	20.315	ug/l	98
23) Vinyl Acetate	5.26	43	2629110	103.075	ug/l	100
24) 1,1-Dichloroethane	5.25	63	406043	19.830	ug/l	98
25) 2-Butanone	6.20	43	610829	104.236	ug/l	96
26) 2,2-Dichloropropane	6.21	77	321367	21.572	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	258990	19.750	ug/l	97
28) Bromochloromethane	6.58	49	191817	20.366	ug/l	99
29) Tetrahydrofuran	6.60	42	407168	103.144	ug/l	98
30) Chloroform	6.76	83	412443	19.461	ug/l	99
31) Cyclohexane	7.07	56	356022	19.326	ug/l	97
32) 1,1,1-Trichloroethane	6.98	97	346054	19.465	ug/l	99
36) 1,1-Dichloropropene	7.20	75	307037	20.441	ug/l	99
37) Ethyl Acetate	6.28	43	244857	19.767	ug/l #	98
38) Carbon Tetrachloride	7.18	117	308601	19.714	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	368618	20.180	ug/l	99
40) Benzene	7.46	78	944629	19.865	ug/l	99
41) Methacrylonitrile	6.55	41	116434	18.512	ug/l	94
42) 1,2-Dichloroethane	7.54	62	300181	19.794	ug/l	98
43) Isopropyl Acetate	7.56	43	414322	19.608	ug/l	98
44) Trichloroethene	8.27	130	265773	19.950	ug/l	97
45) 1,2-Dichloropropane	8.56	63	247478	20.100	ug/l	98
46) Dibromomethane	8.65	93	157388	19.936	ug/l	99
47) Bromodichloromethane	8.85	83	308075	20.168	ug/l	99
48) Methyl methacrylate	8.63	41	196713	19.743	ug/l	99
49) 1,4-Dioxane	8.64	88	78792	388.266	ug/l	95
51) 4-Methyl-2-Pentanone	9.45	43	1242187	101.009	ug/l	100
52) Toluene	9.63	92	594419	20.139	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	332540	20.839	ug/l	96
54) cis-1,3-Dichloropropene	9.30	75	377111	20.595	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	229614	19.783	ug/l	98
56) Ethyl methacrylate	9.90	69	333132	20.499	ug/l	98
57) 1,3-Dichloropropane	10.19	76	380121	19.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	585873	98.783	ug/l	99
59) 2-Hexanone	10.24	43	857498	103.027	ug/l	100
60) Dibromochloromethane	10.39	129	251459	20.628	ug/l	99
61) 1,2-Dibromoethane	10.50	107	239135	19.966	ug/l	99
64) Tetrachloroethene	10.11	164	260433	19.594	ug/l	96
65) Chlorobenzene	10.93	112	640449	19.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	242880	20.202	ug/l	99
67) Ethyl Benzene	11.01	91	1113785	20.124	ug/l	99
68) m/p-Xylenes	11.12	106	834860	40.944	ug/l	99
69) o-Xylene	11.46	106	414297	20.416	ug/l	96
70) Styrene	11.47	104	641505	20.239	ug/l	100
71) Bromoform	11.64	173	180317	20.475	ug/l #	100
73) Isopropylbenzene	11.76	105	1095598	22.503	ug/l	100
74) N-amyl acetate	11.58	43	297568	20.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.02	83	305722	22.659	ug/l	99
76) 1,2,3-Trichloropropane	12.07	75	356738	31.448	ug/l #	100
77) Bromobenzene	12.04	156	277124	20.532	ug/l	99
78) n-propylbenzene	12.11	91	1095774	20.340	ug/l	100
79) 2-Chlorotoluene	12.19	91	691495	21.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	899769	20.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	83430	21.845	ug/l	98
82) 4-Chlorotoluene	12.29	91	632713	20.284	ug/l	97
83) tert-Butylbenzene	12.52	119	812376	22.627	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	838599	20.012	ug/l	100
85) sec-Butylbenzene	12.70	105	976300	19.955	ug/l	98
86) p-Isopropyltoluene	12.82	119	856513	19.951	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	391734	20.386	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	360684	19.811	ug/l	99
89) n-Butylbenzene	13.15	91	606610	20.452	ug/l	99
90) Hexachloroethane	13.41	117	155883	22.310	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	382240	19.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	39204	19.860	ug/l	96

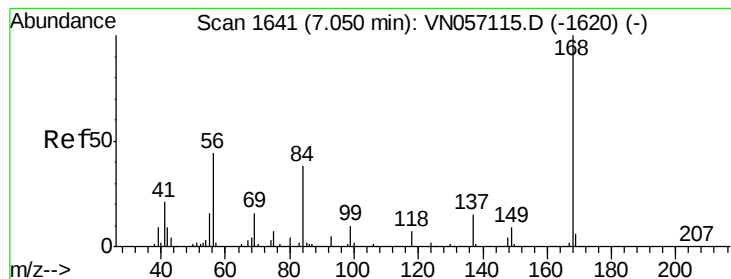
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080819\
Data File : VN057123.D
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Sample : VN0808WBSD01
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Instrument :
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Quant Time: Aug 09 03:12:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	113390	18.211	ug/l	100
94) Hexachlorobutadiene	14.55	225	164831	22.545	ug/l	99
95) Naphthalene	14.67	128	233075	17.995	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	126759	19.058	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

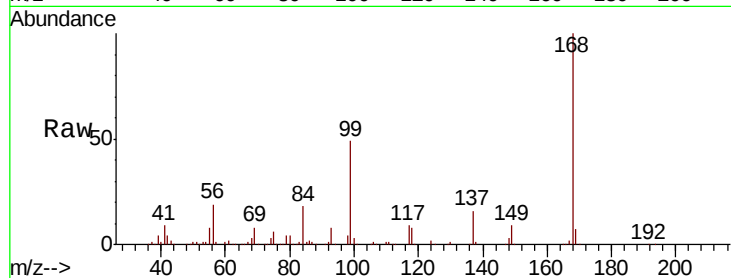
VN0808WBSD01

Tgt Ion:168 Resp: 1234923

Ion Ratio Lower Upper

168 100

99 48.8 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.05

500000

400000

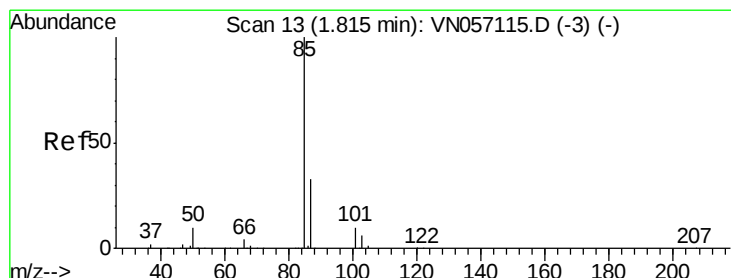
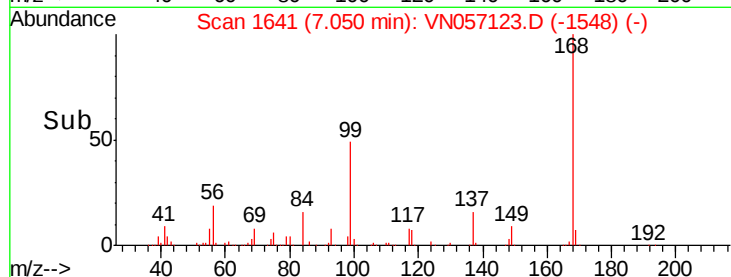
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 18.407 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057123.D

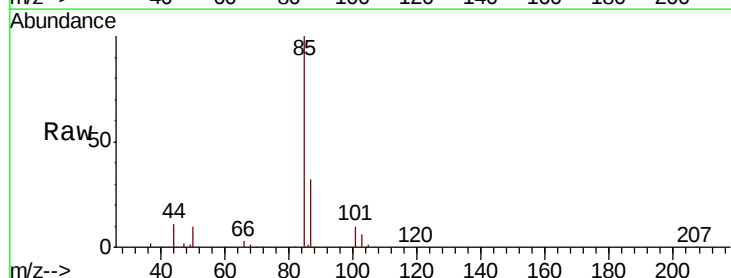
Acq: 8 Aug 2019 11:32

Tgt Ion: 85 Resp: 182697

Ion Ratio Lower Upper

85 100

87 31.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

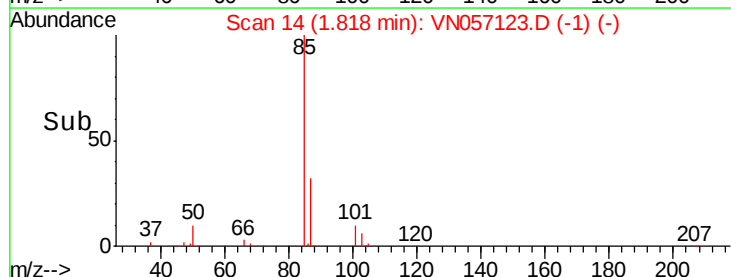
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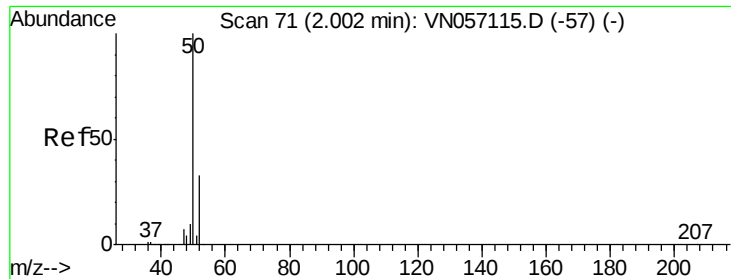
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.575 ug/l

RT: 2.00 min Scan# 71

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

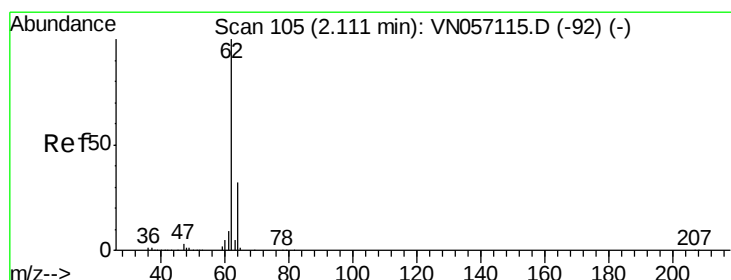
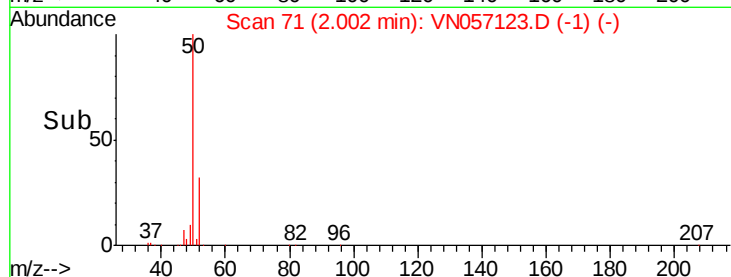
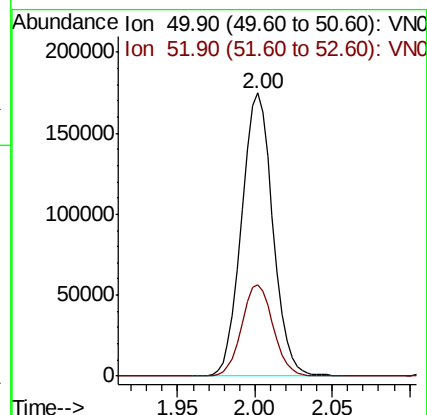
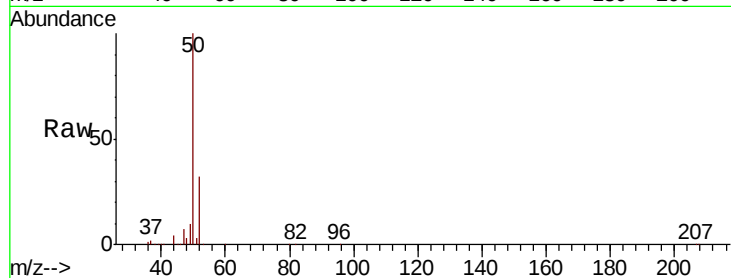
VN0808WBSD01

Tgt Ion: 50 Resp: 244964

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1



#4

Vinyl Chloride

Concen: 19.221 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057123.D

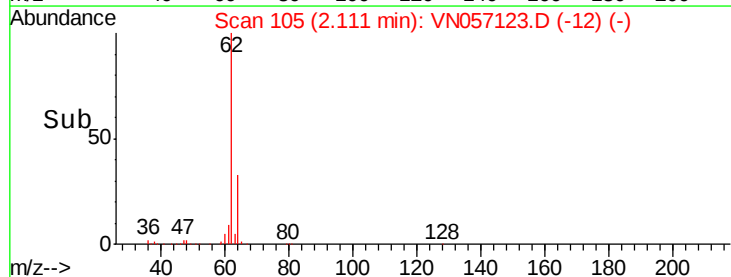
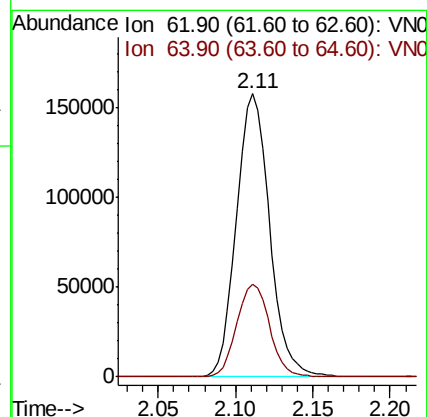
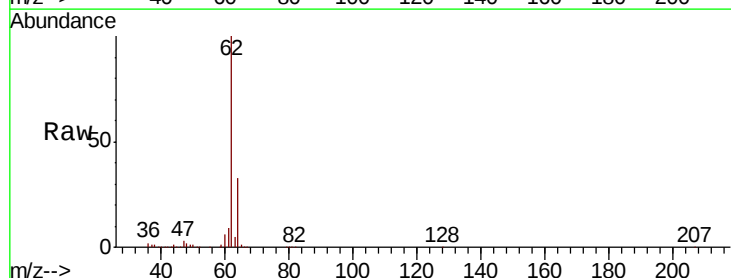
Acq: 8 Aug 2019 11:32

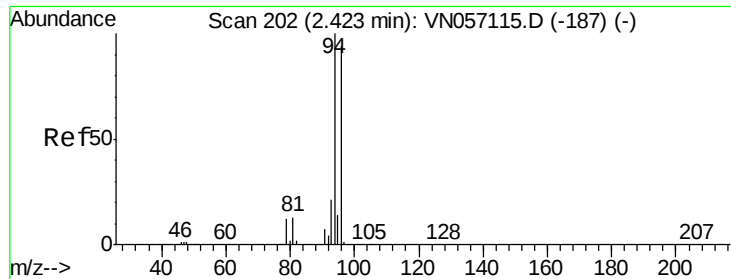
Tgt Ion: 62 Resp: 235618

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 20.674 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

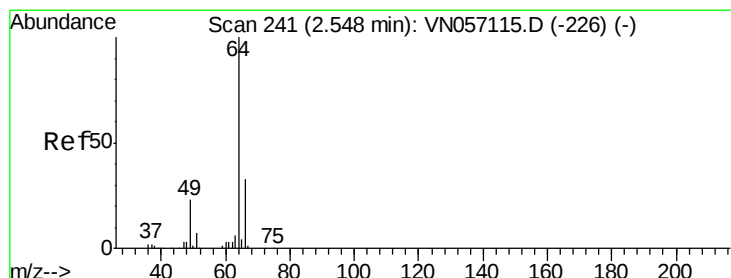
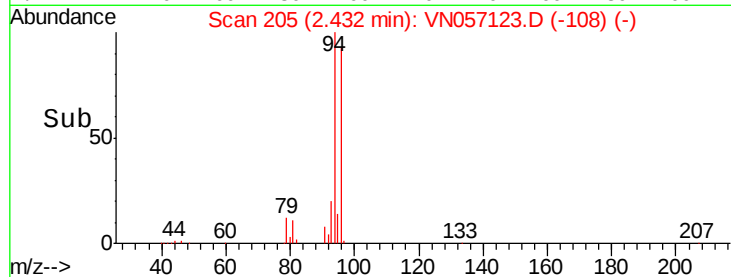
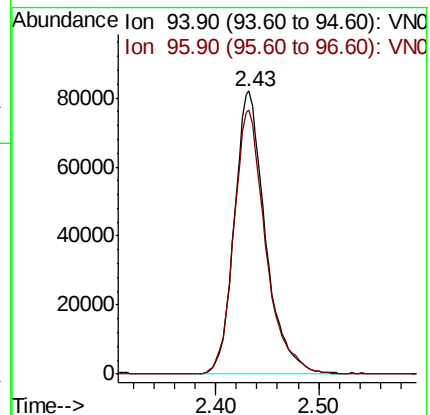
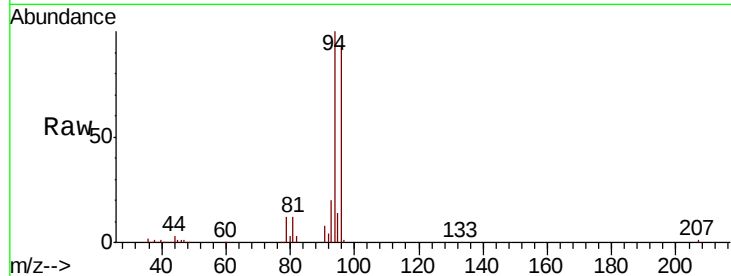
VN0808WBSD01

Tgt Ion: 94 Resp: 172194

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.4



#6

Chloroethane

Concen: 19.785 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057123.D

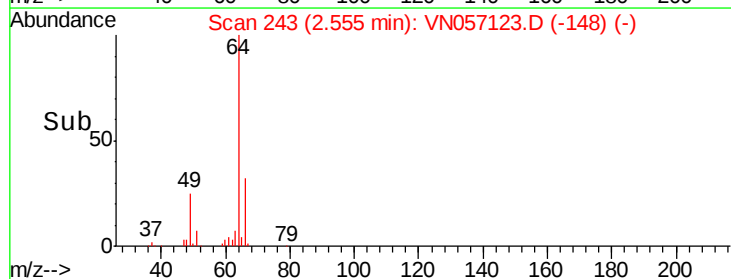
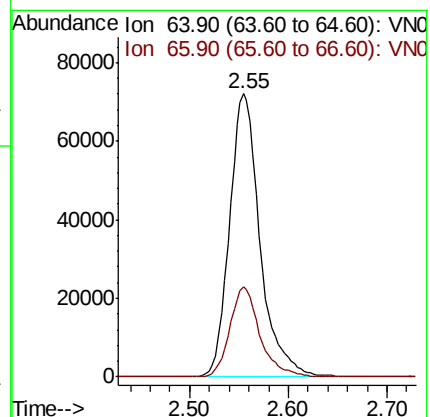
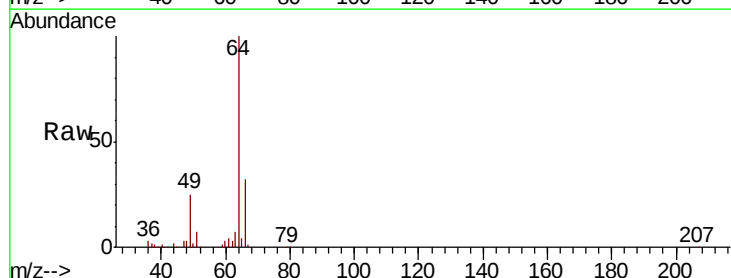
Acq: 8 Aug 2019 11:32

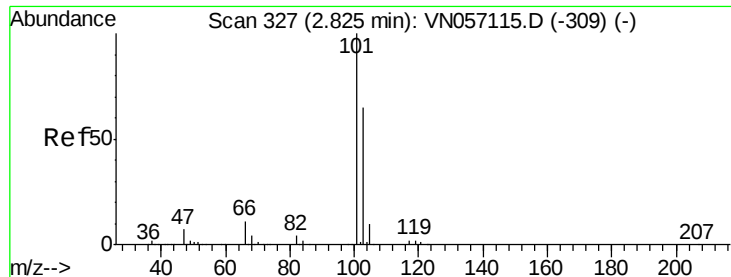
Tgt Ion: 64 Resp: 155558

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.4



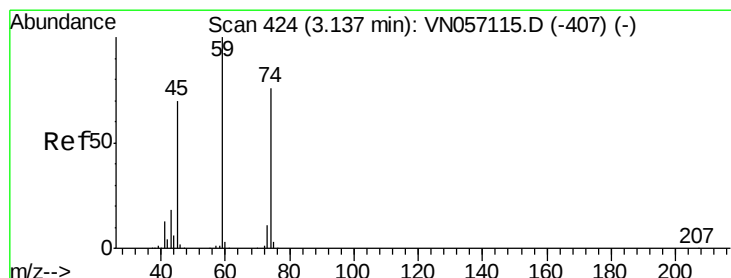
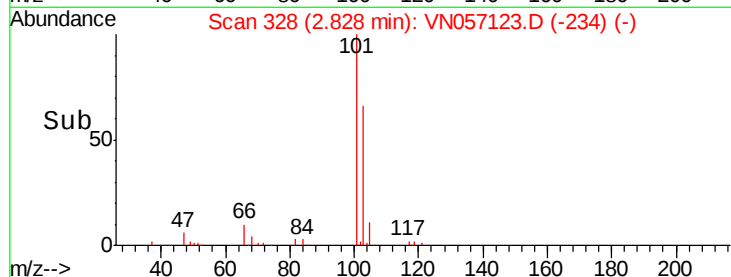
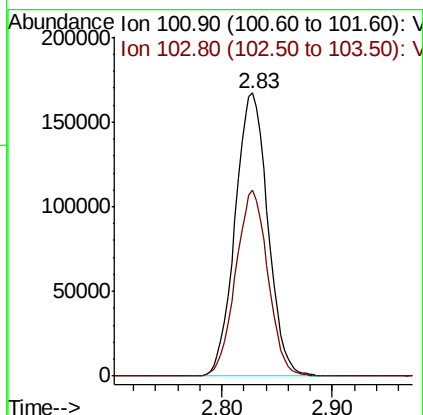
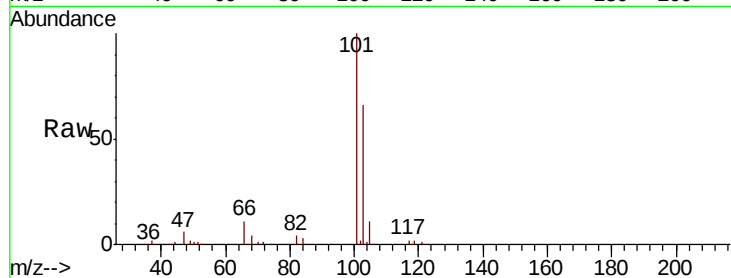


#7

Trichlorofluoromethane
 Concen: 19.510 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

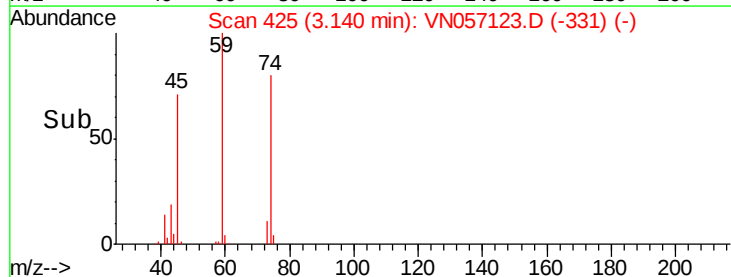
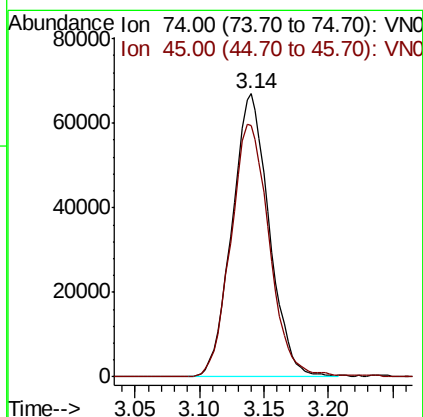
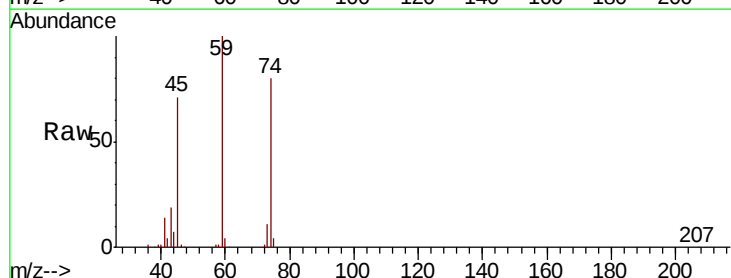
Tgt Ion:101 Resp: 343759
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.2 78.4

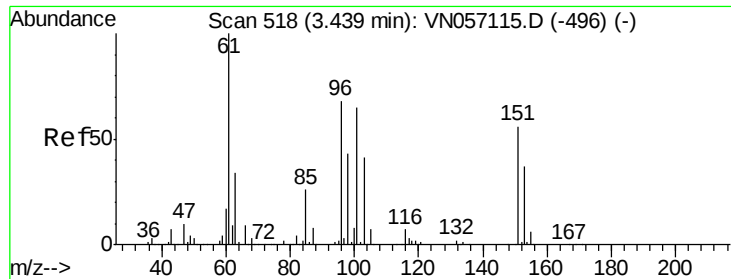


#8

Diethyl Ether
 Concen: 19.673 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion: 74 Resp: 133925
 Ion Ratio Lower Upper
 74 100
 45 92.8 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.696 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleID :

VN0808WBSD01

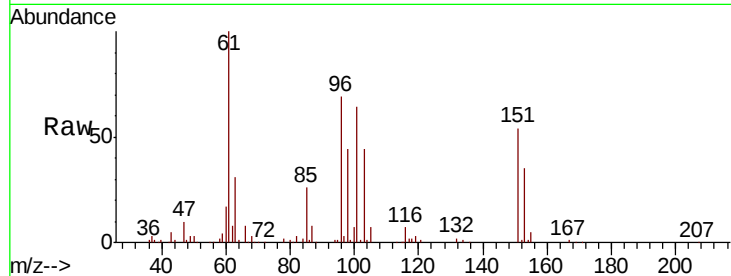
Tgt Ion:101 Resp: 210385

Ion Ratio Lower Upper

101 100

85 40.3 32.3 48.5

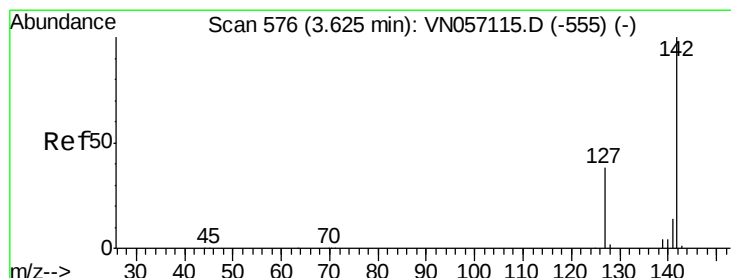
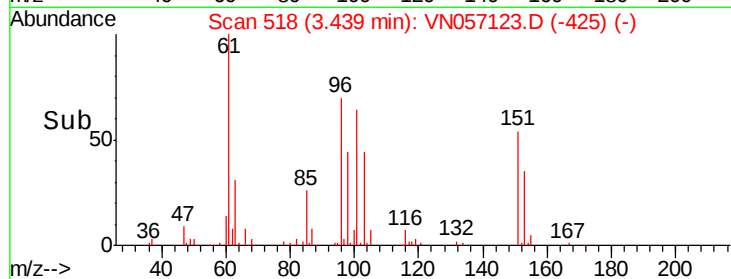
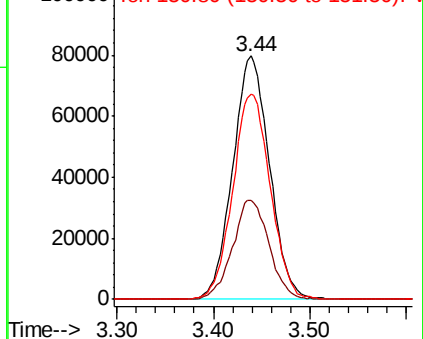
151 86.2 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.757 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

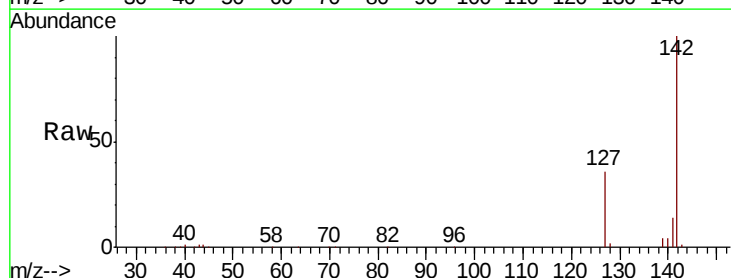
Tgt Ion:142 Resp: 318909

Ion Ratio Lower Upper

142 100

127 37.6 31.0 46.6

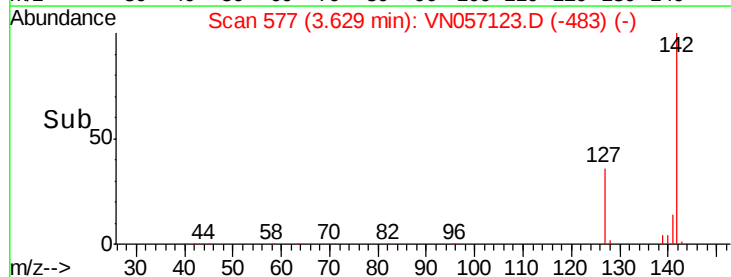
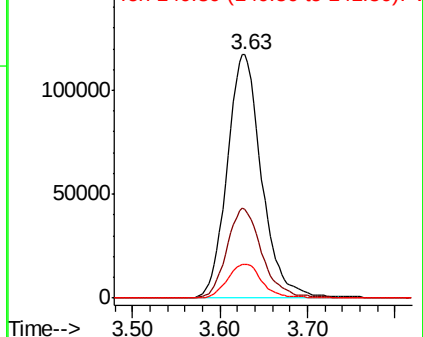
141 14.1 11.2 16.8

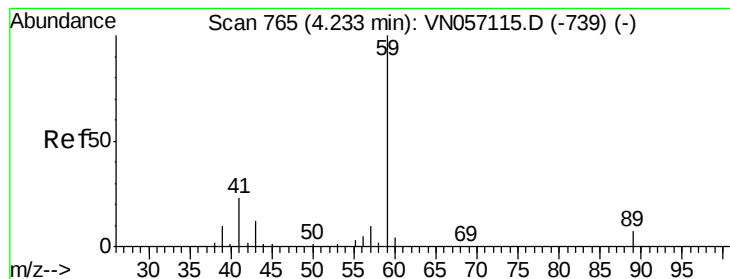


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.267 ug/l

RT: 4.23 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

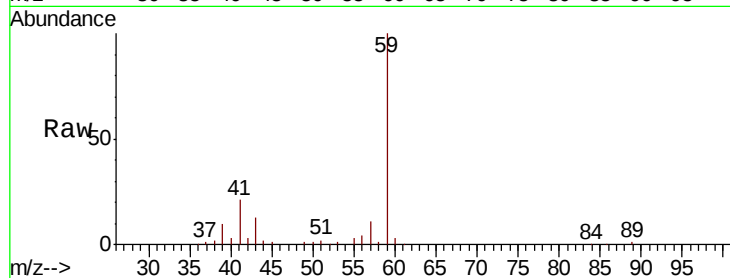
VN0808WBSD01

Tgt Ion: 59 Resp: 164947

Ion Ratio Lower Upper

59 100

57 10.1 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.23

60000

50000

40000

30000

20000

10000

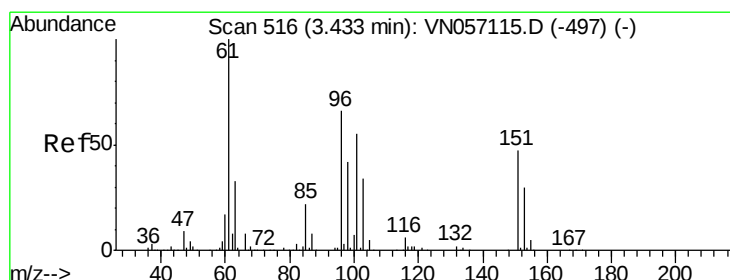
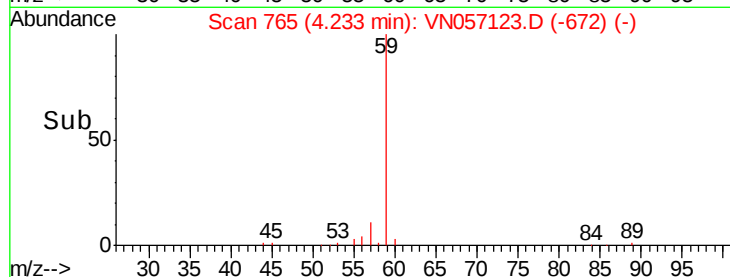
0

Time-->

4.10

4.20

4.30



#12

1,1-Dichloroethene

Concen: 20.112 ug/l

RT: 3.43 min Scan# 516

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

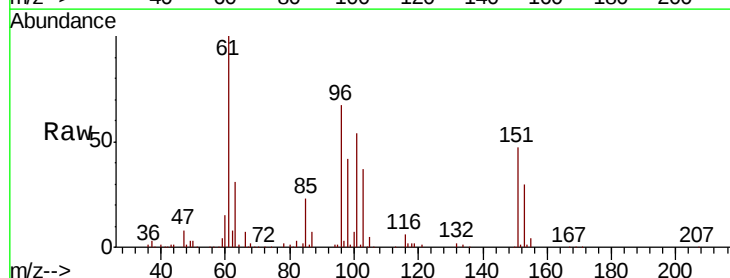
Tgt Ion: 96 Resp: 211339

Ion Ratio Lower Upper

96 100

61 149.8 121.0 181.6

98 63.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

150000

100000

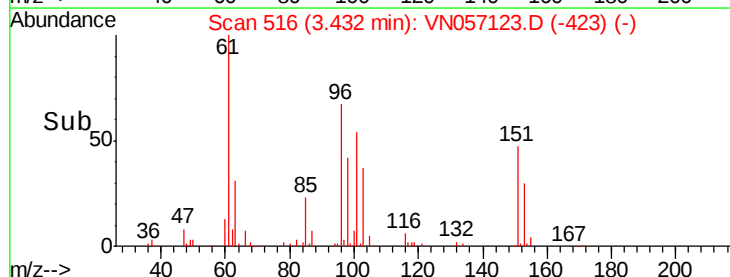
50000

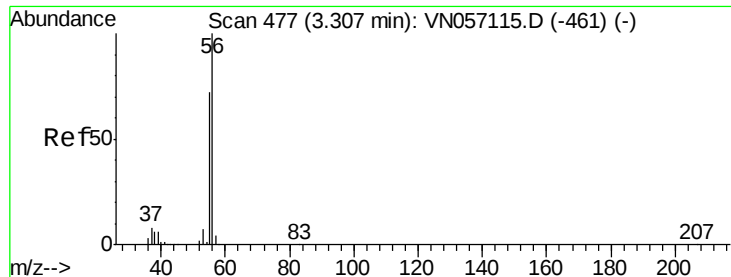
0

Time-->

3.40

3.50

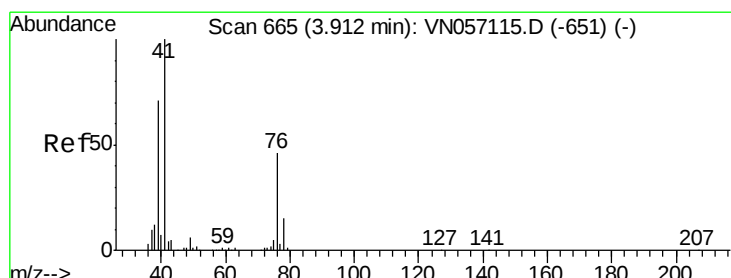
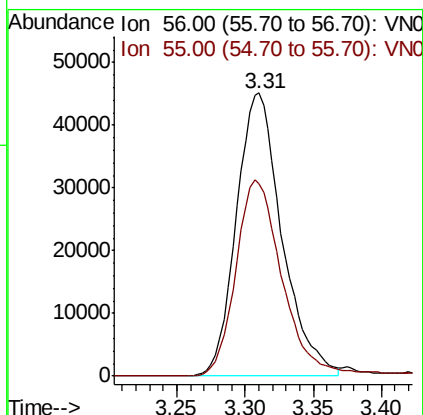
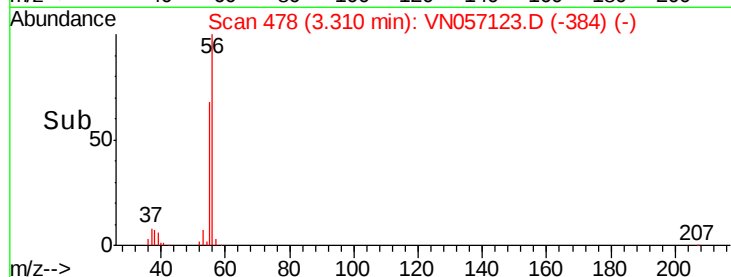
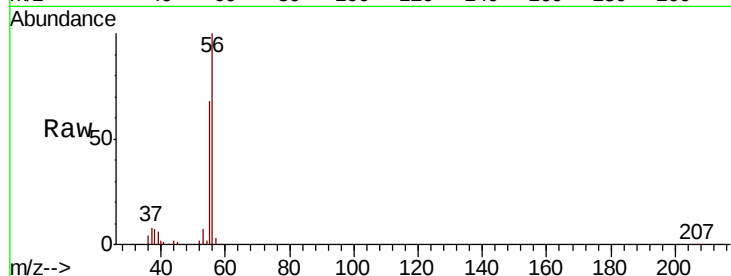




#13
Acrolein
Concen: 91.656 ug/l
RT: 3.31 min Scan# 478
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

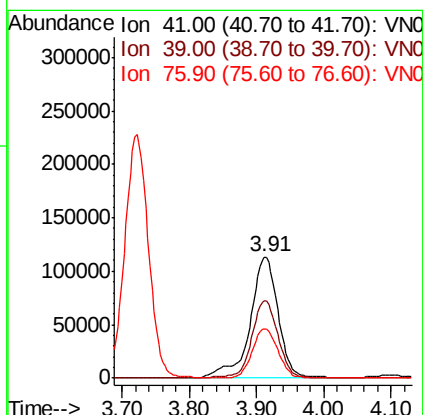
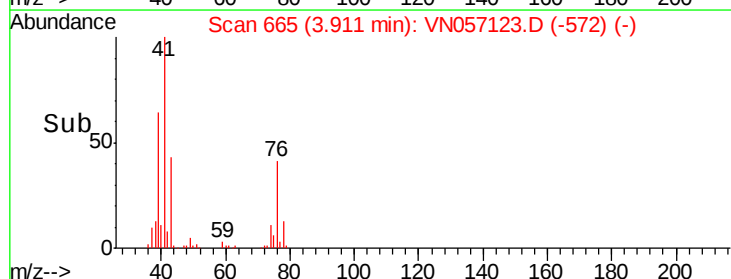
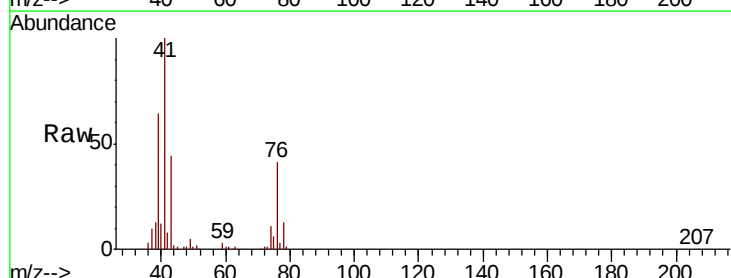
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

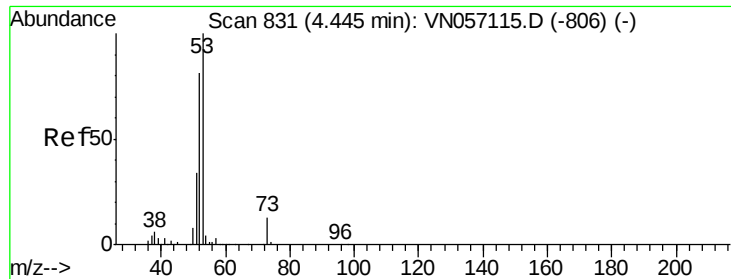
Tgt Ion: 56 Resp: 104794
Ion Ratio Lower Upper
56 100
55 70.9 57.7 86.5



#14
Allyl chloride
Concen: 21.611 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 41 Resp: 330020
Ion Ratio Lower Upper
41 100
39 58.2 51.1 76.7
76 36.4 32.8 49.2





#15

Acrylonitrile

Concen: 100.494 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

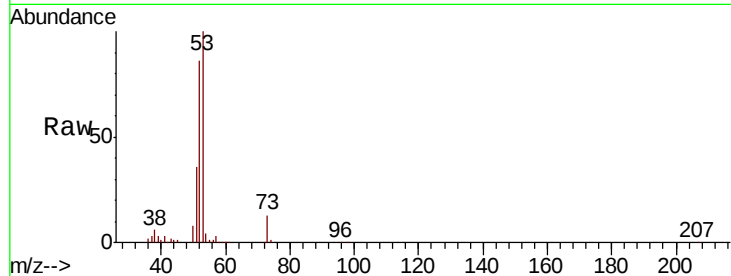
Tgt Ion: 53 Resp: 491549

Ion Ratio Lower Upper

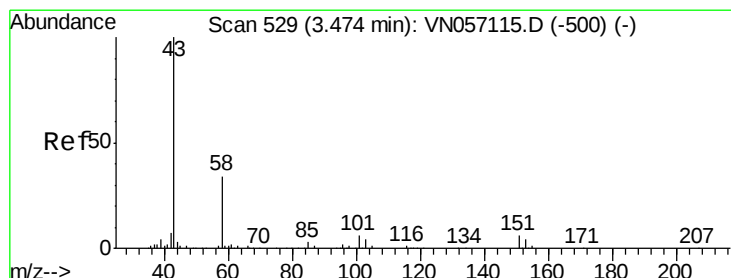
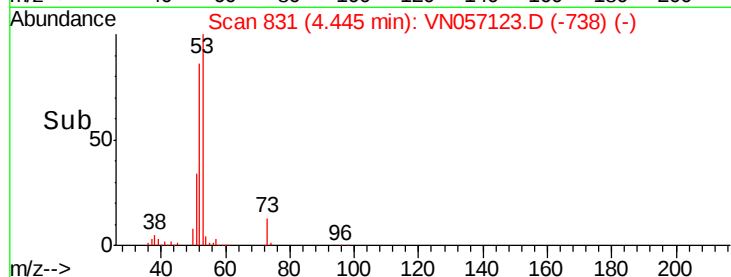
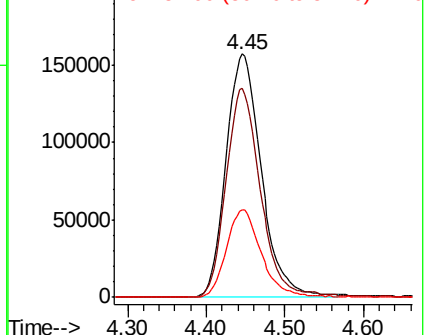
53 100

52 83.1 64.9 97.3

51 35.6 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 110.460 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057123.D

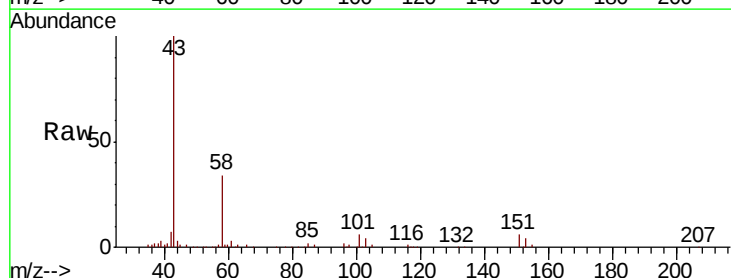
Acq: 8 Aug 2019 11:32

Tgt Ion: 43 Resp: 423668

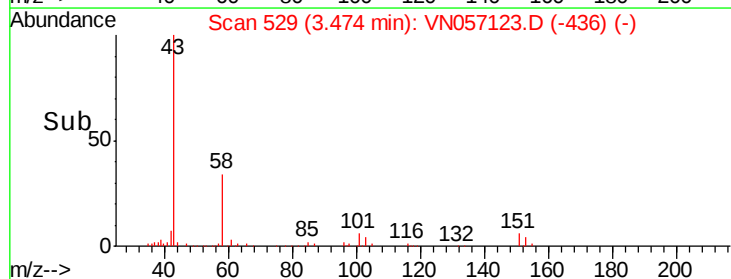
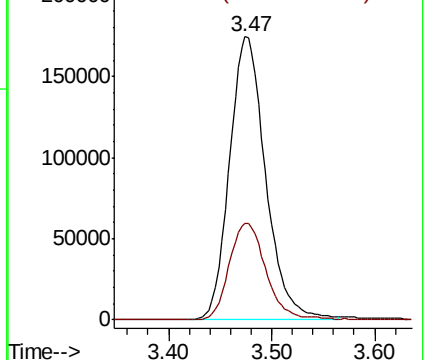
Ion Ratio Lower Upper

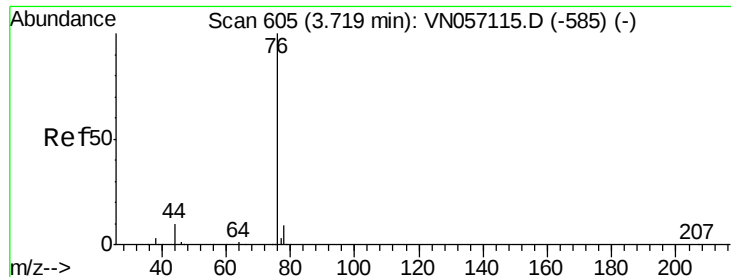
43 100

58 34.3 27.4 41.2



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

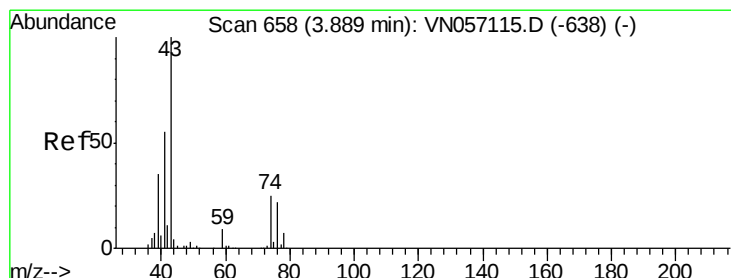
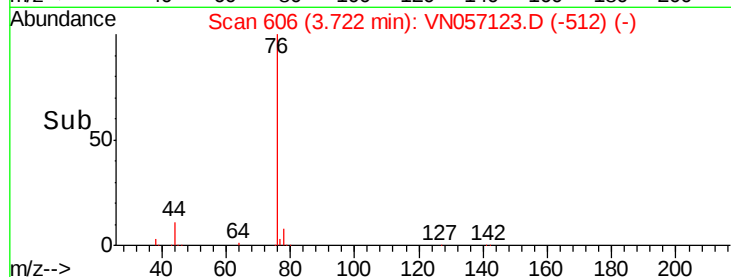
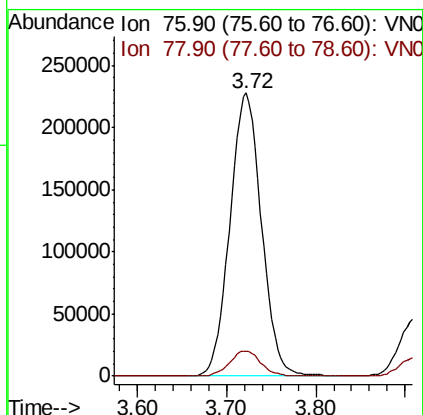
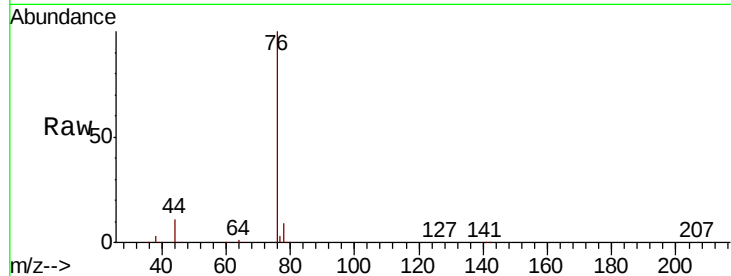




#17
Carbon Disulfide
Concen: 19.954 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

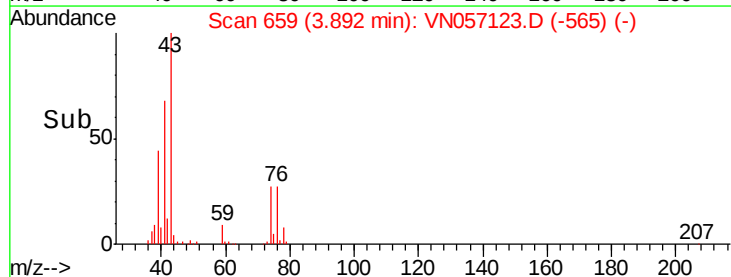
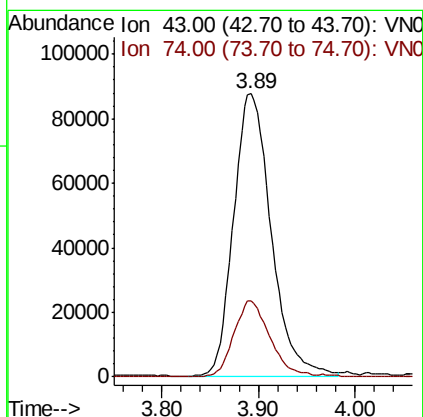
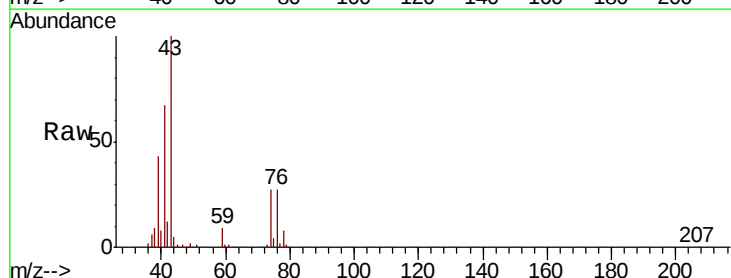
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

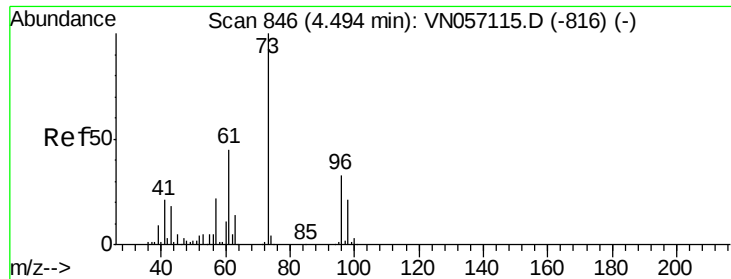
Tgt Ion: 76 Resp: 557797
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 20.317 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 43 Resp: 236637
Ion Ratio Lower Upper
43 100
74 25.8 20.2 30.4

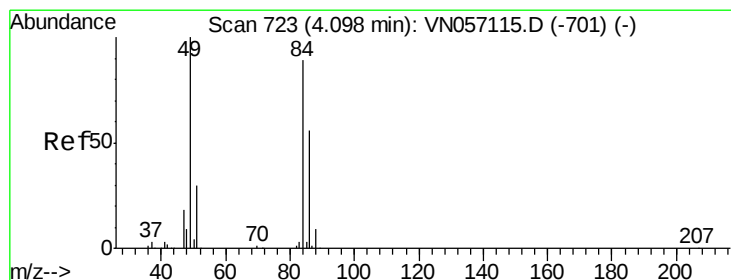
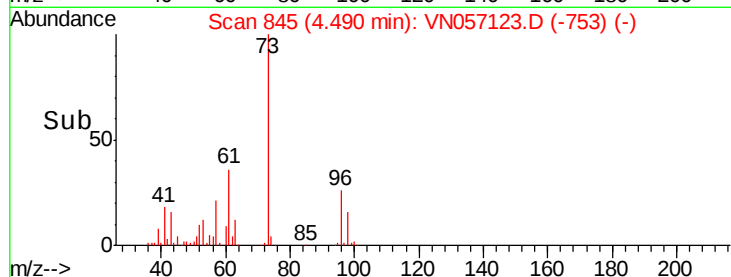
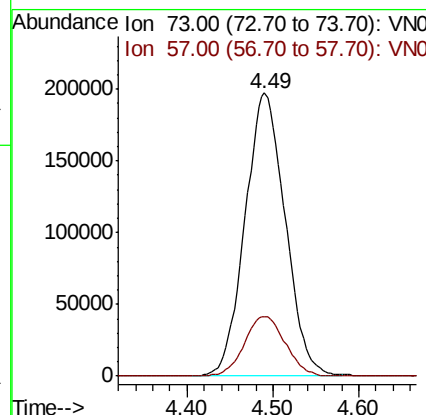
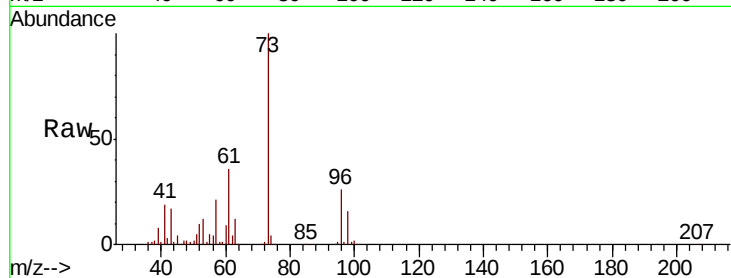




#19
Methyl tert-butyl Ether
Concen: 20.228 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

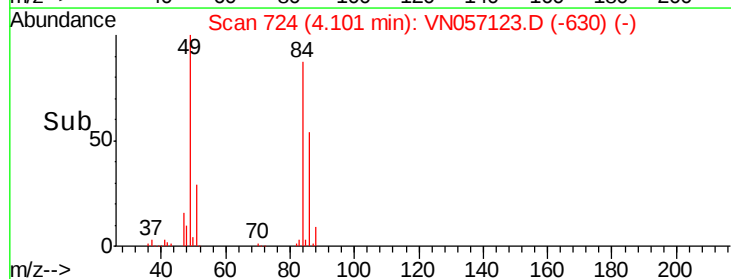
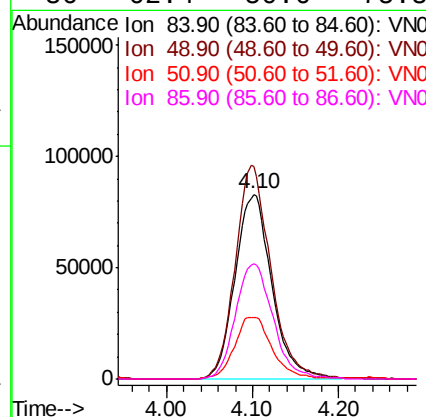
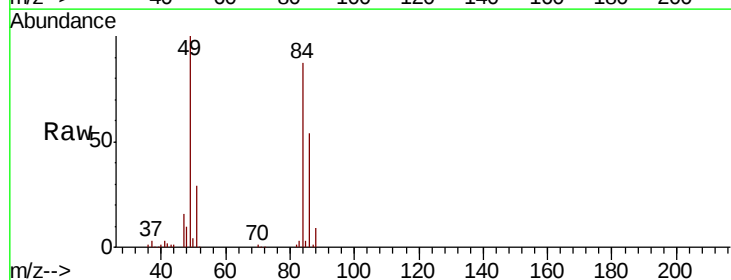
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

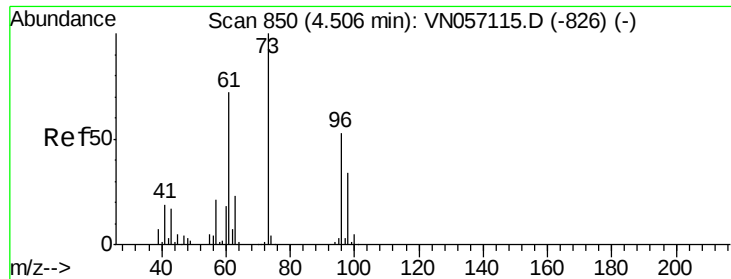
Tgt Ion: 73 Resp: 641692
Ion Ratio Lower Upper
73 100
57 21.1 18.0 27.0



#20
Methylene Chloride
Concen: 19.532 ug/l
RT: 4.10 min Scan# 724
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 84 Resp: 247241
Ion Ratio Lower Upper
84 100
49 115.0 89.5 134.3
51 33.3 27.2 40.8
86 62.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.750 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

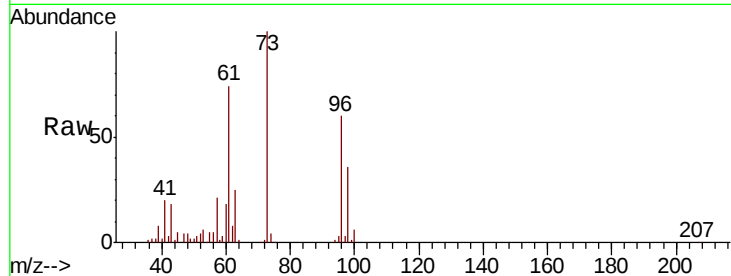
Tgt Ion: 96 Resp: 226069

Ion Ratio Lower Upper

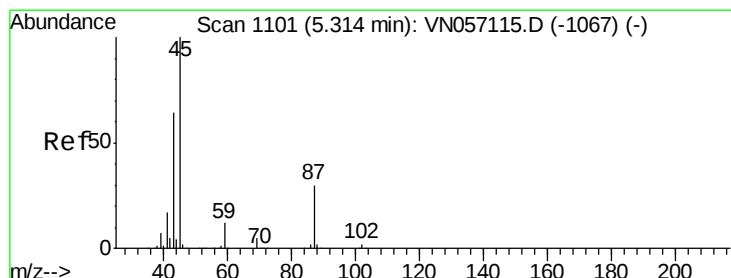
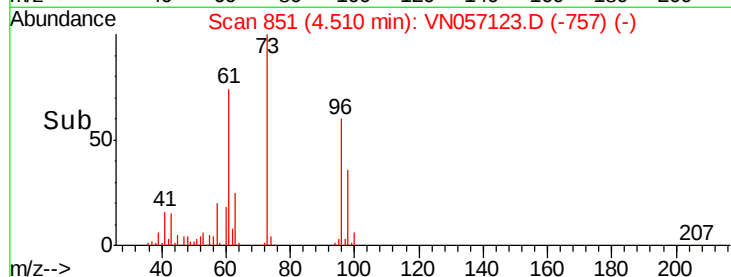
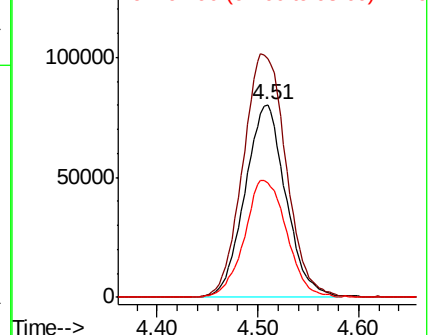
96 100

61 123.7 108.1 162.1

98 59.3 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.315 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion: 45 Resp: 676678

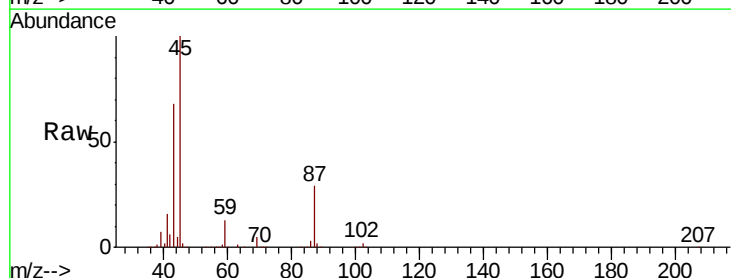
Ion Ratio Lower Upper

45 100

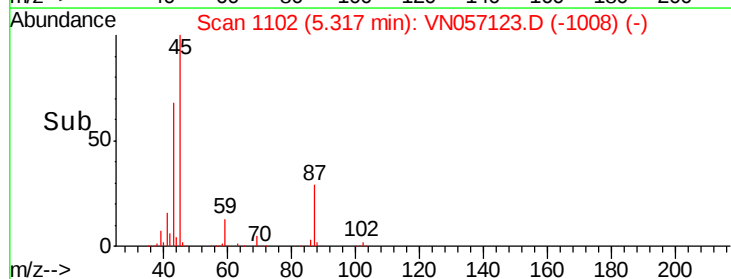
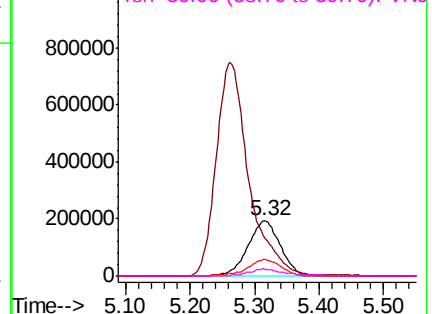
43 66.2 54.1 81.1

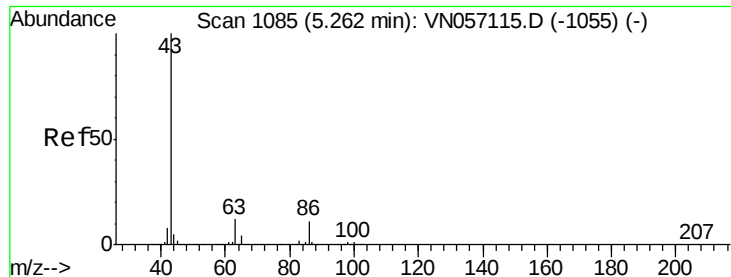
87 29.1 24.0 36.0

59 12.7 10.0 15.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

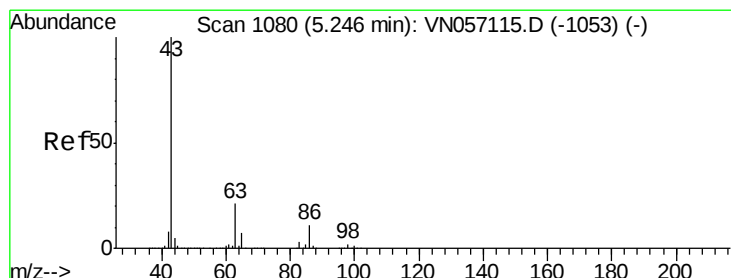
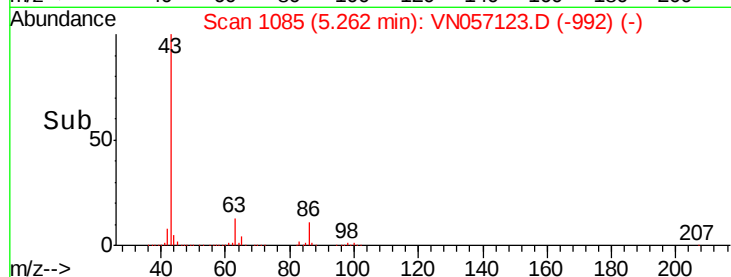
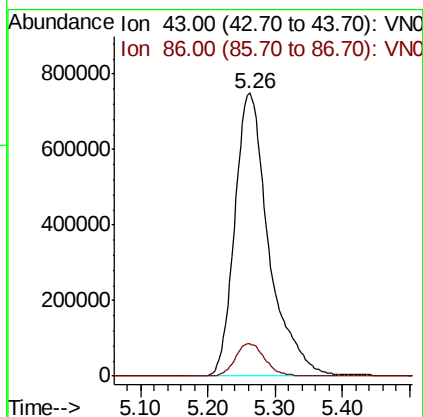
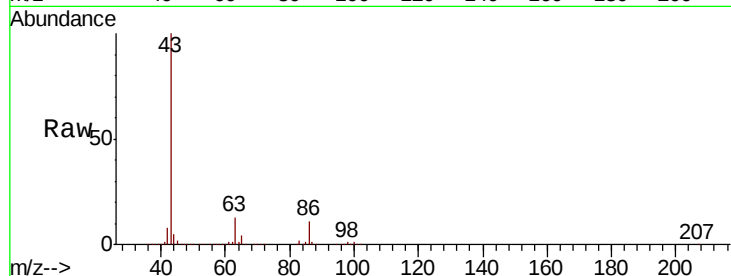




#23
 Vinyl Acetate
 Concen: 103.075 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

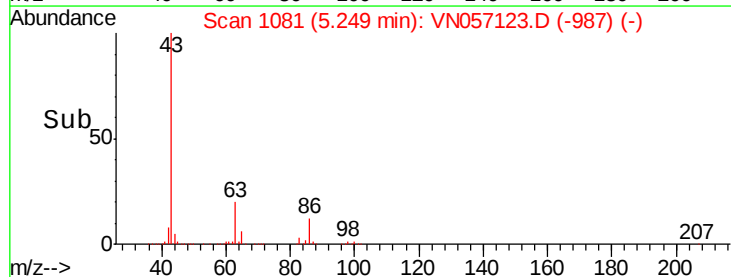
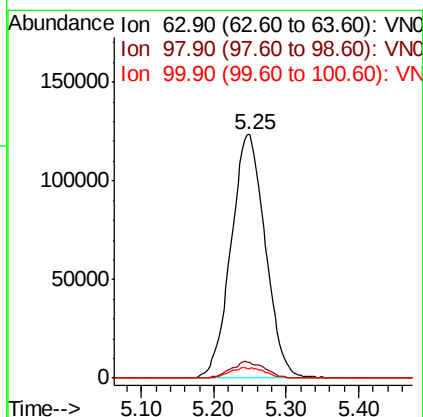
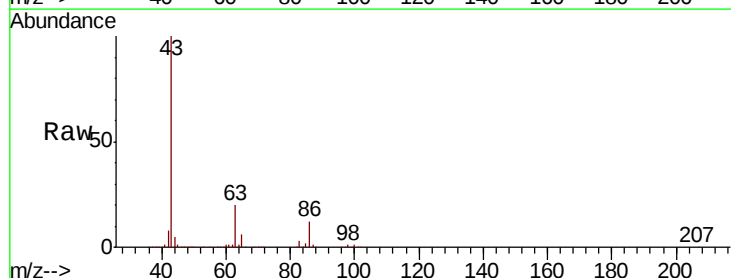
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

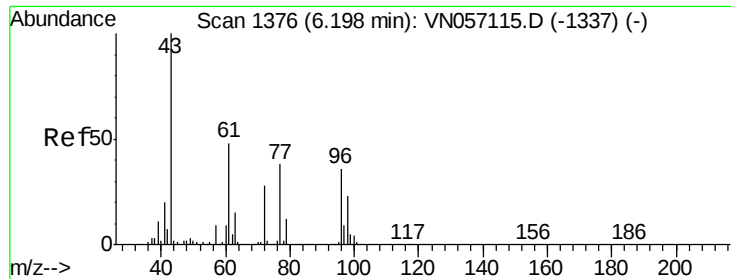
Tgt Ion: 43 Resp: 2629110
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.830 ug/l
 RT: 5.25 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion: 63 Resp: 406043
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.8 11.2
 100 4.0 2.1 6.3

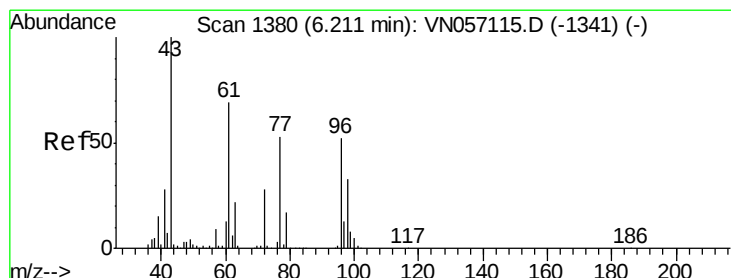
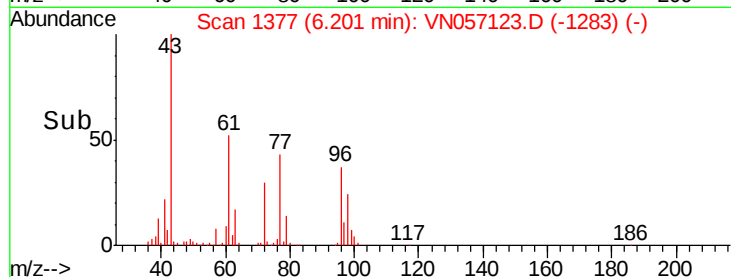
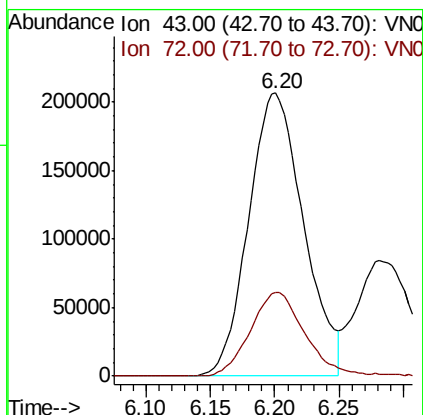
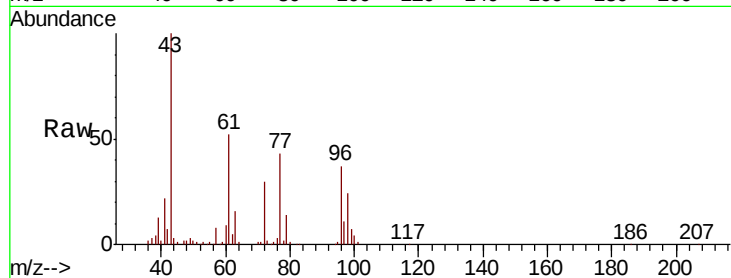




#25
2-Butanone
Concen: 104.236 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

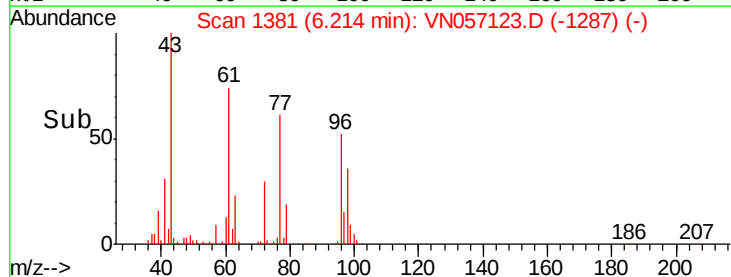
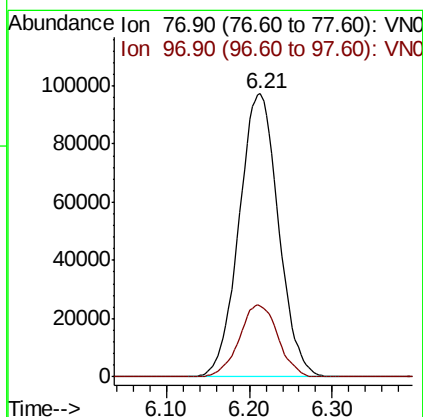
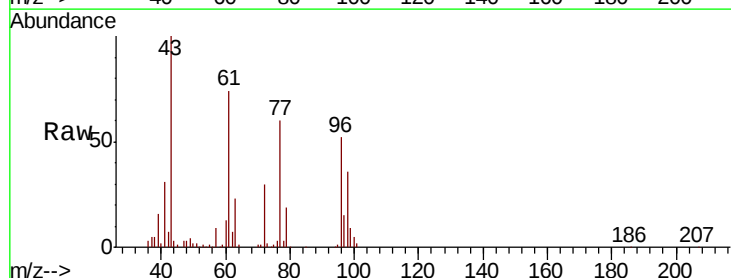
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

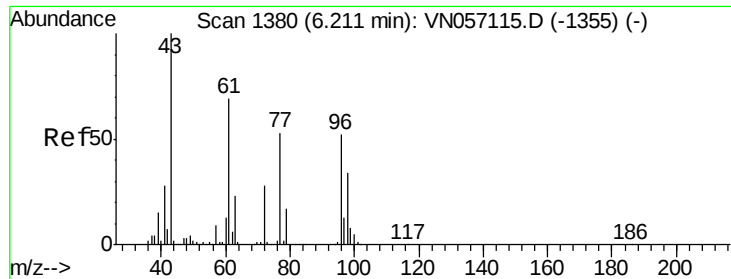
Tgt Ion: 43 Resp: 610829
Ion Ratio Lower Upper
43 100
72 29.8 22.2 33.4



#26
2,2-Dichloropropane
Concen: 21.572 ug/l
RT: 6.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 77 Resp: 321367
Ion Ratio Lower Upper
77 100
97 25.0 12.3 36.8

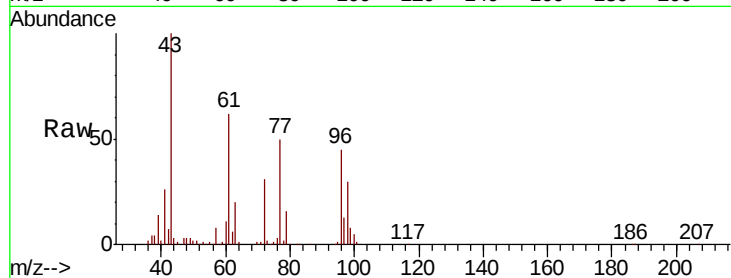




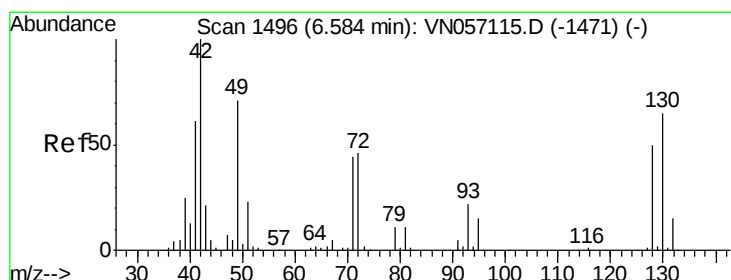
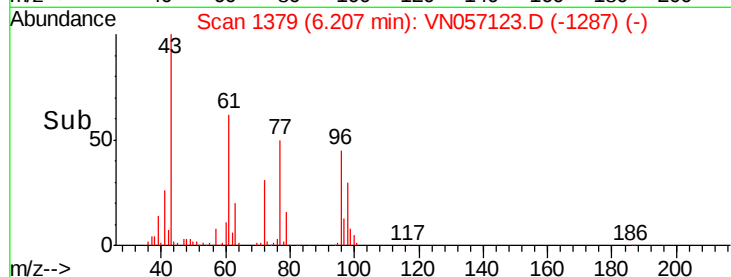
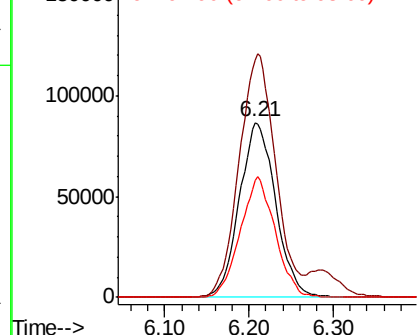
#27
 cis-1,2-Dichloroethene
 Concen: 19.750 ug/l
 RT: 6.21 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tgt Ion: 96 Resp: 258990
 Ion Ratio Lower Upper
 96 100
 61 140.3 0.0 273.4
 98 66.4 0.0 130.4

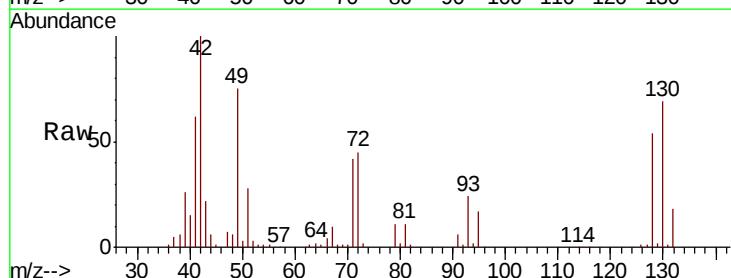


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

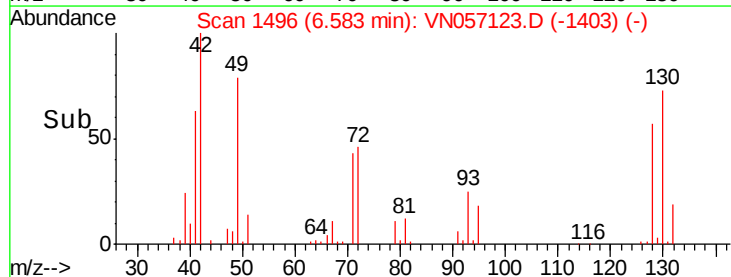
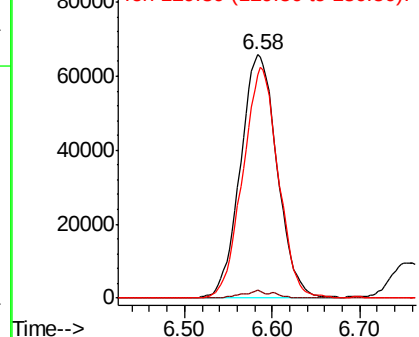


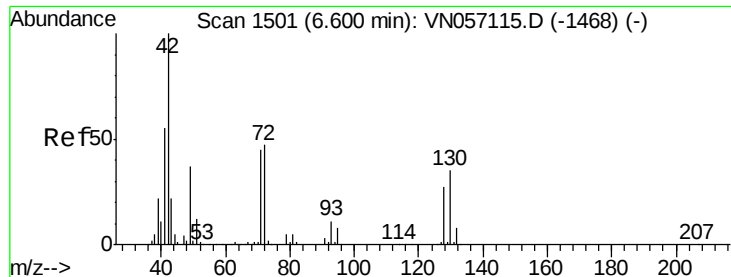
#28
 Bromochloromethane
 Concen: 20.366 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion: 49 Resp: 191817
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 91.3 73.8 110.8



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

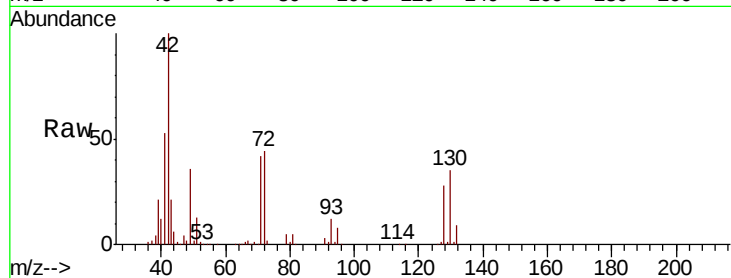




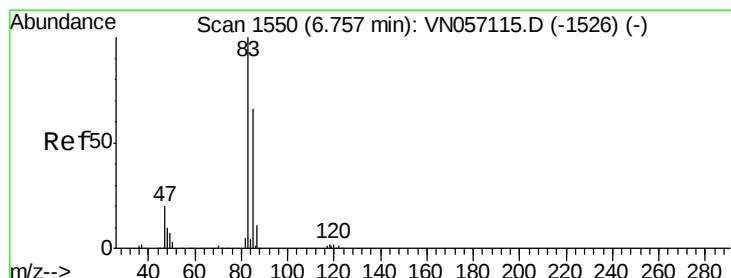
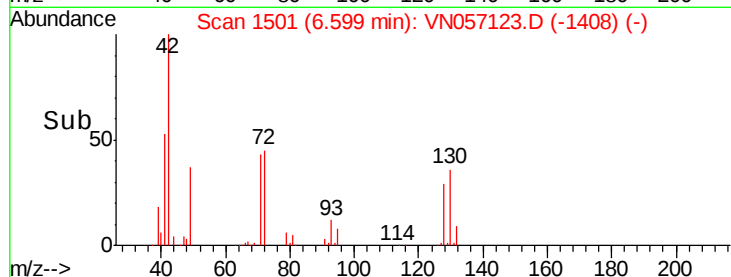
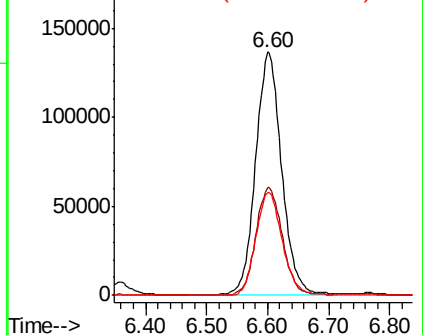
#29
Tetrahydrofuran
Concen: 103.144 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

Tgt Ion: 42 Resp: 407168
Ion Ratio Lower Upper
42 100
72 44.7 37.1 55.7
71 42.7 34.8 52.2

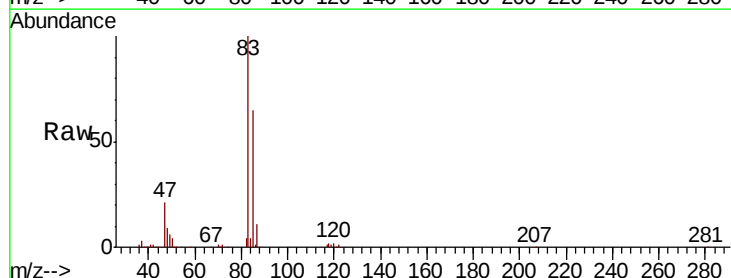


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

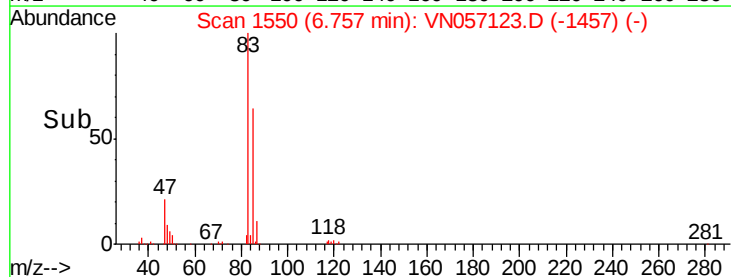
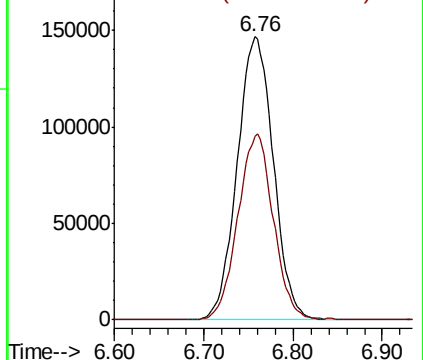


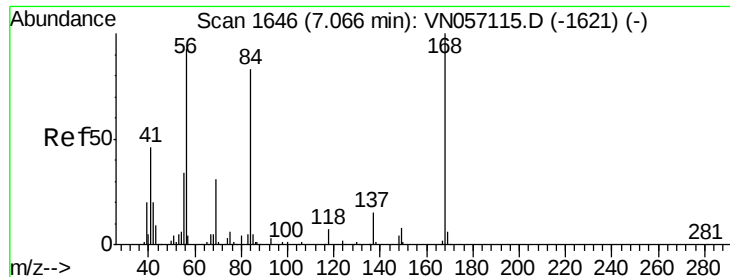
#30
Chloroform
Concen: 19.461 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 83 Resp: 412443
Ion Ratio Lower Upper
83 100
85 64.7 52.6 78.8



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

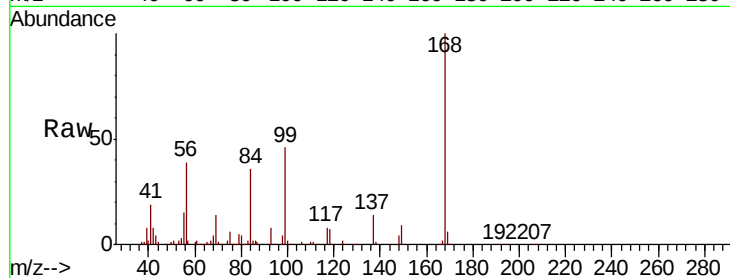




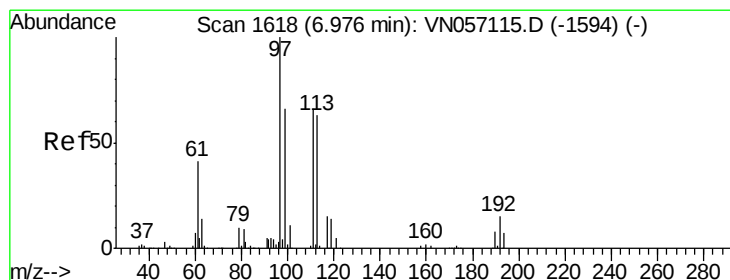
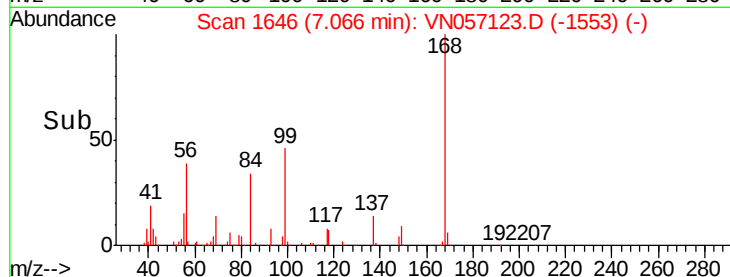
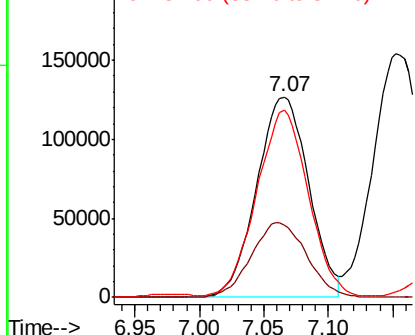
#31
Cyclohexane
Concen: 19.326 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tgt Ion: 56 Resp: 356022
Ion Ratio Lower Upper
56 100
69 36.2 26.9 40.3
84 91.8 71.9 107.9

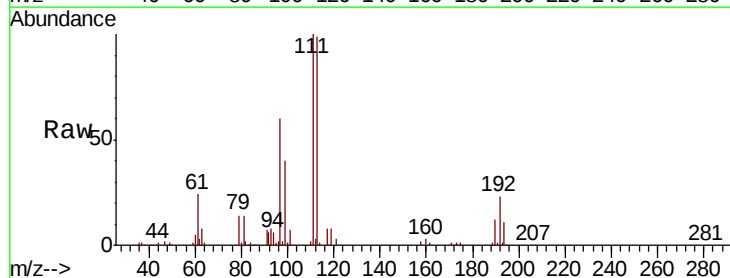


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

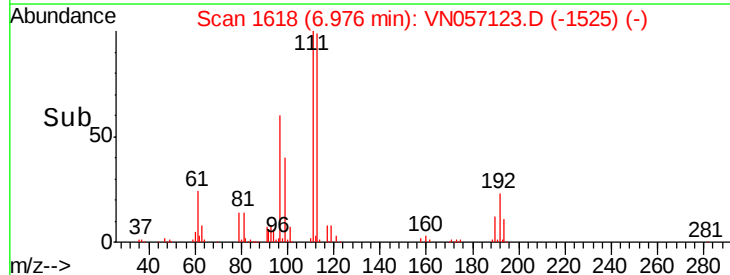
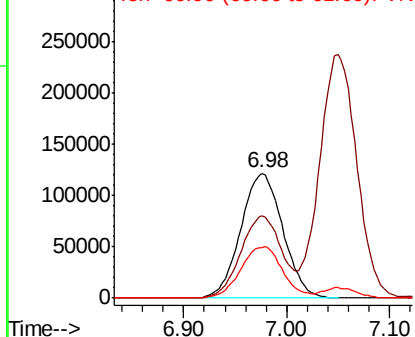


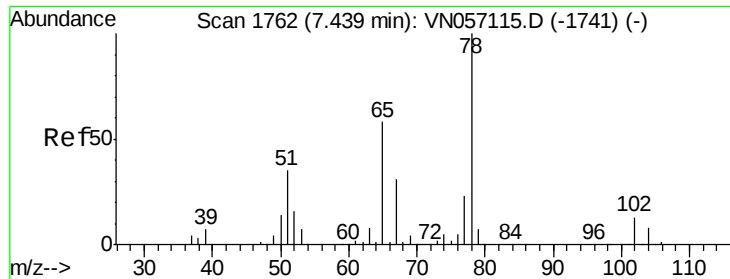
#32
1,1,1-Trichloroethane
Concen: 19.465 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 97 Resp: 346054
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 40.9 32.7 49.1



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

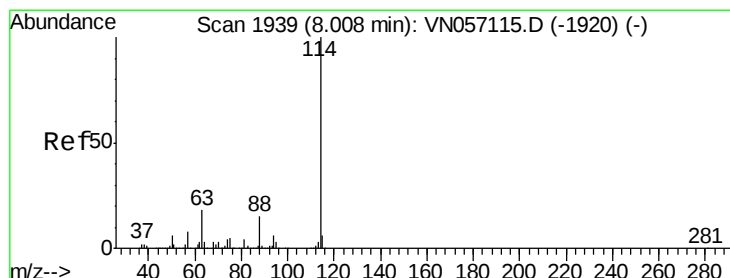
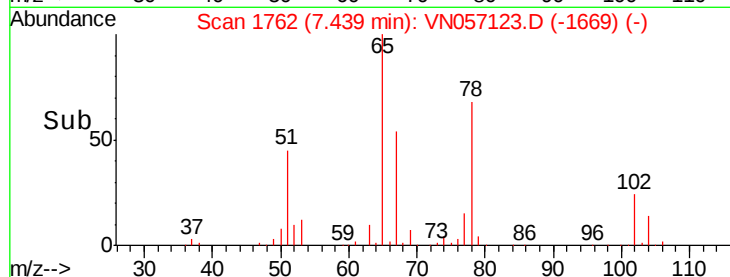
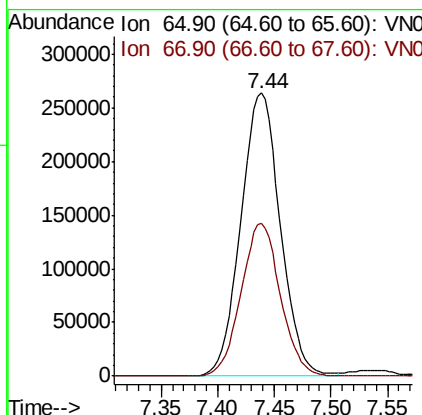
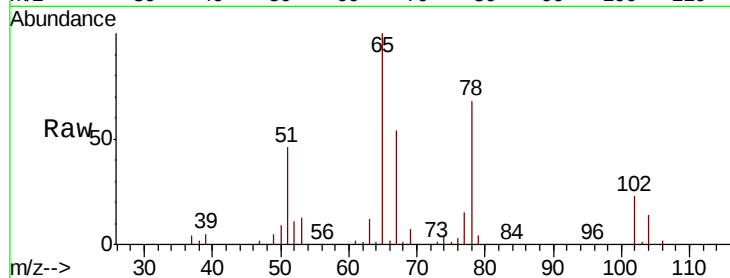




#33
 1,2-Dichloroethane-d4
 Concen: 50.496 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

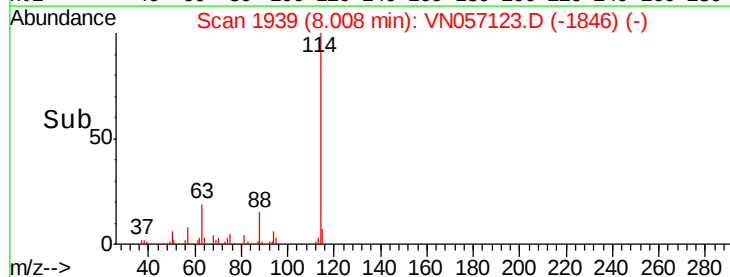
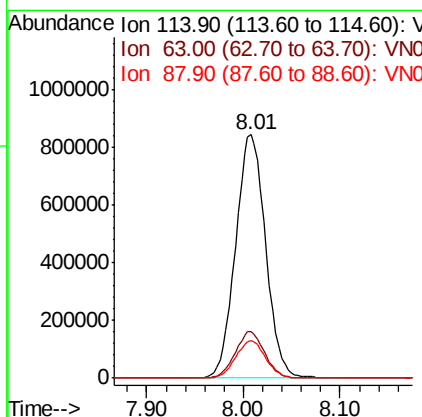
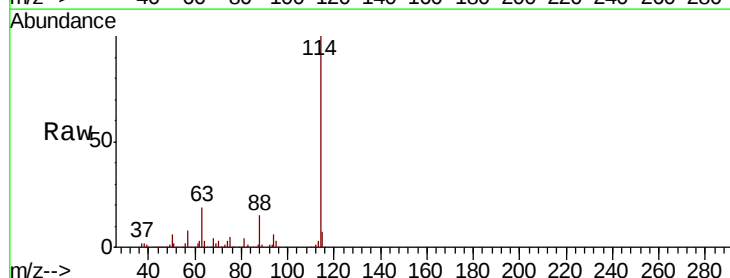
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

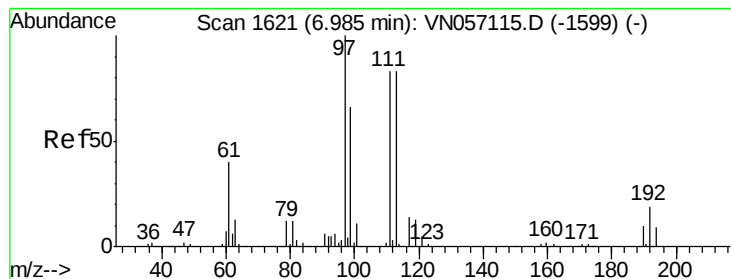
Tgt Ion: 65 Resp: 641309
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion: 114 Resp: 1824327
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.721 ug/l

RT: 6.98 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

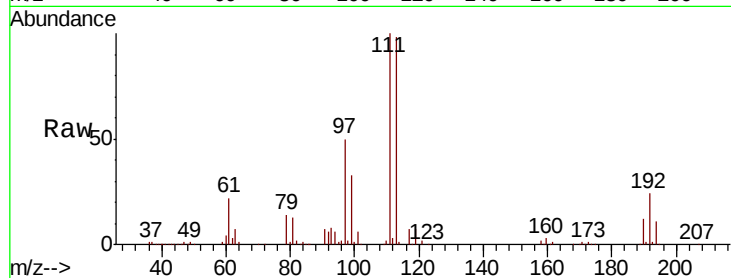
Tgt Ion:113 Resp: 592092

Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

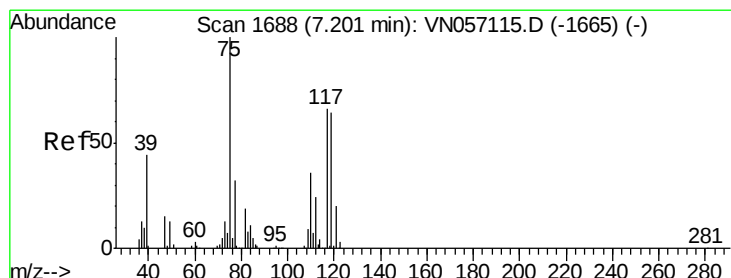
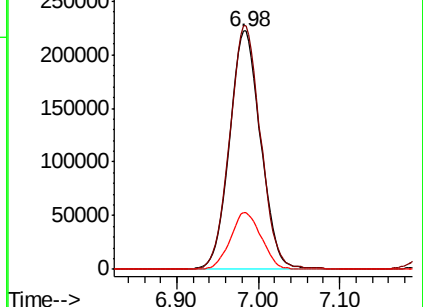
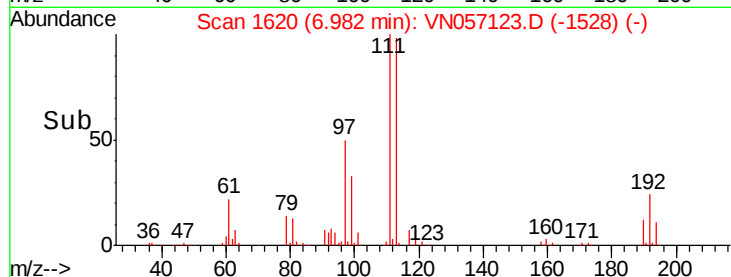
192 23.8 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.441 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

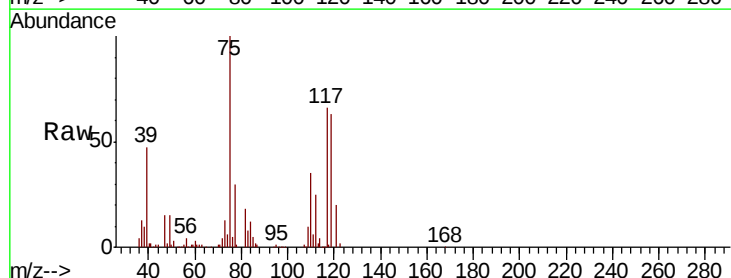
Tgt Ion: 75 Resp: 307037

Ion Ratio Lower Upper

75 100

110 37.5 18.7 56.1

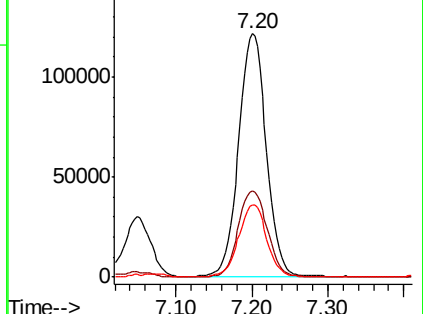
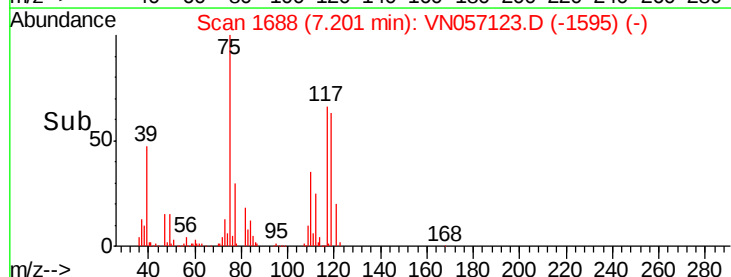
77 30.5 25.0 37.4

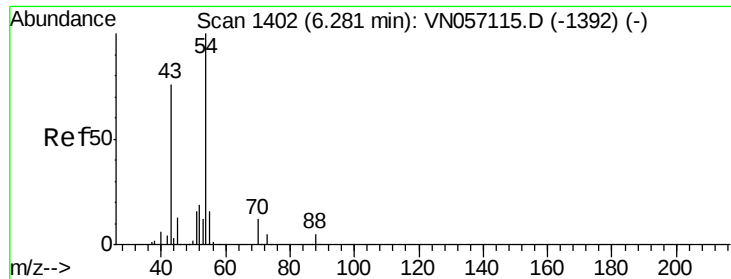


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

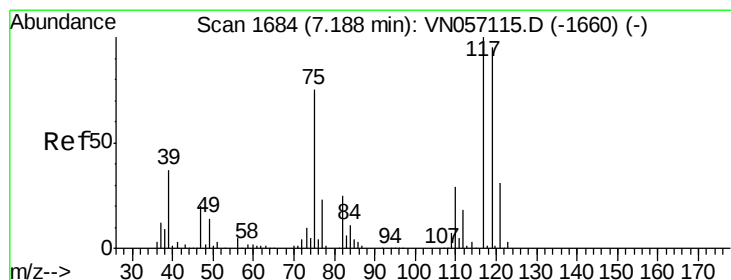
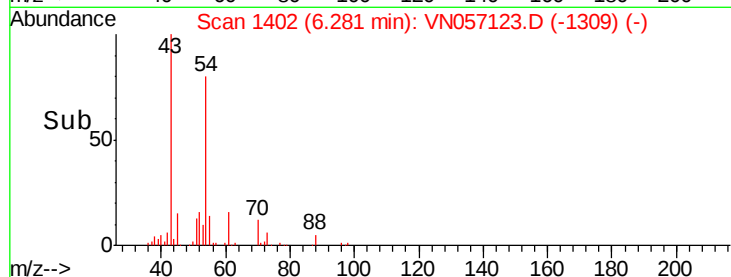
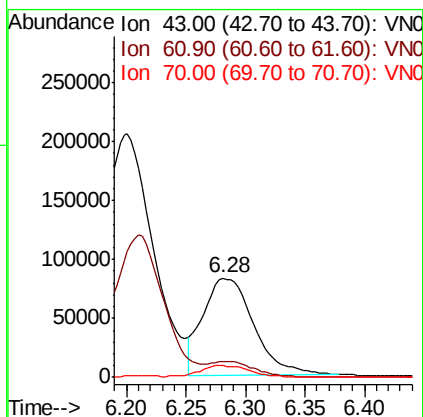
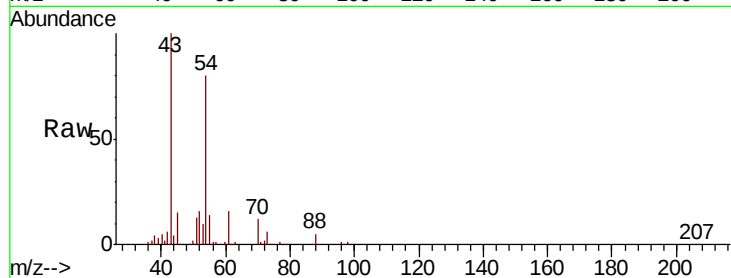




#37
Ethyl Acetate
Concen: 19.767 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

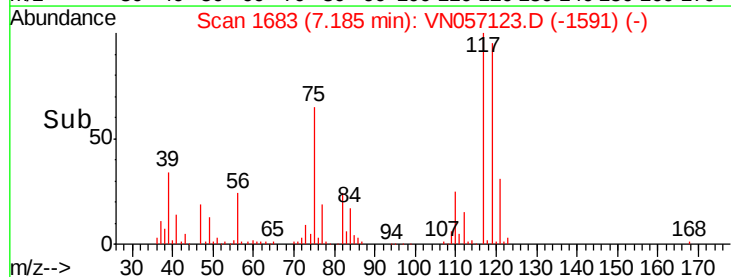
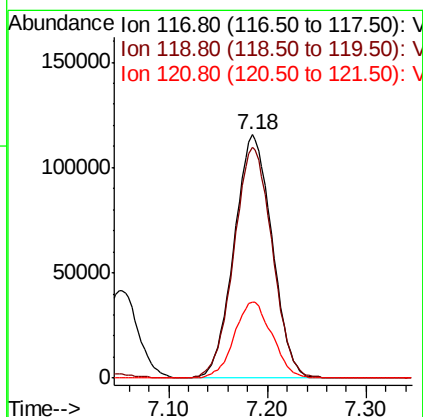
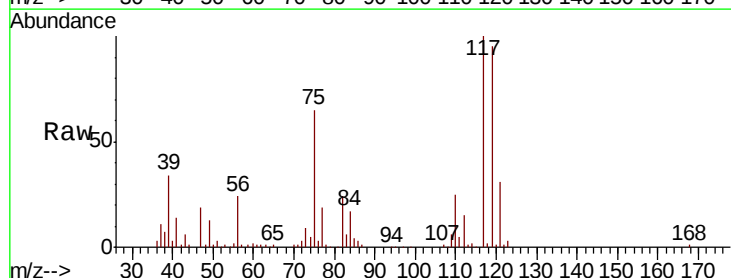
Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

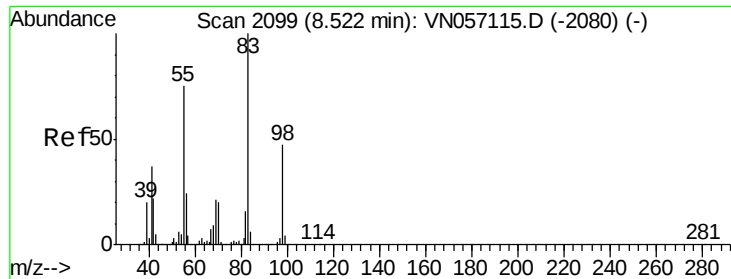
Tgt Ion: 43 Resp: 244857
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 12.2 9.1 13.7



#38
Carbon Tetrachloride
Concen: 19.714 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 117 Resp: 308601
Ion Ratio Lower Upper
117 100
119 94.4 75.8 113.6
121 31.3 24.4 36.6

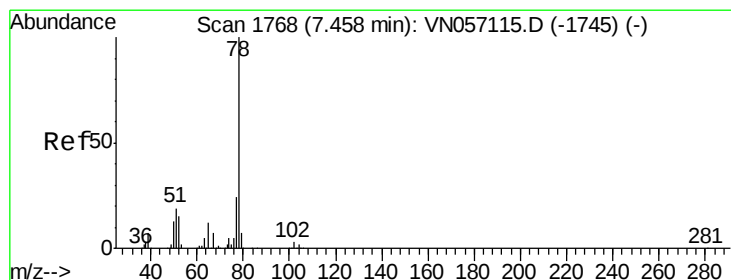
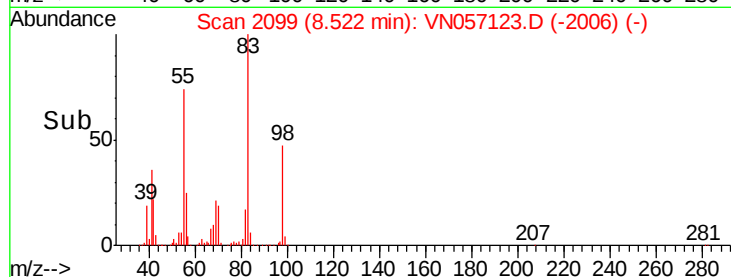
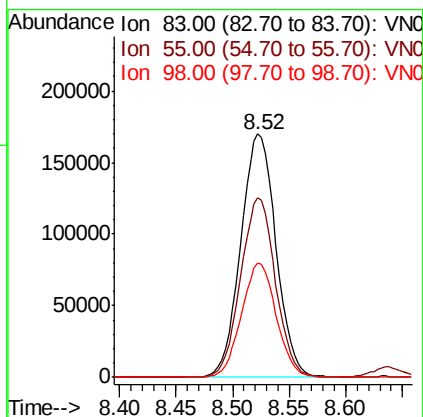
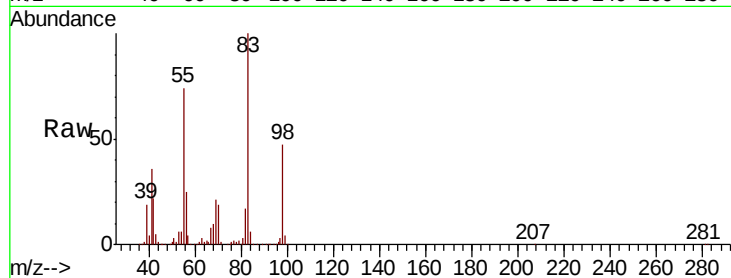




#39
Methylcyclohexane
Concen: 20.180 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

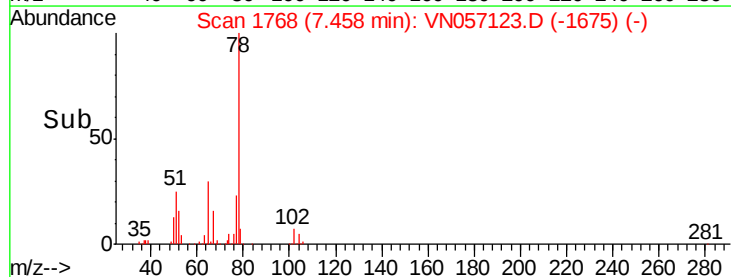
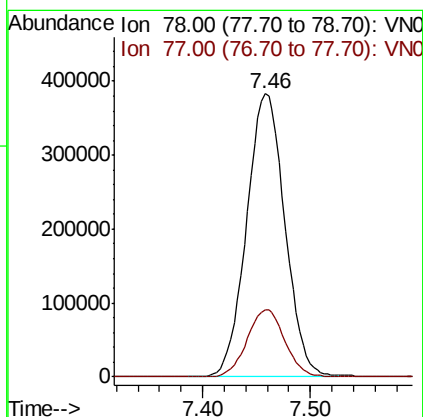
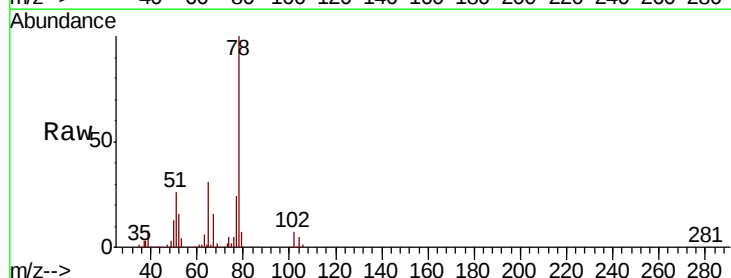
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

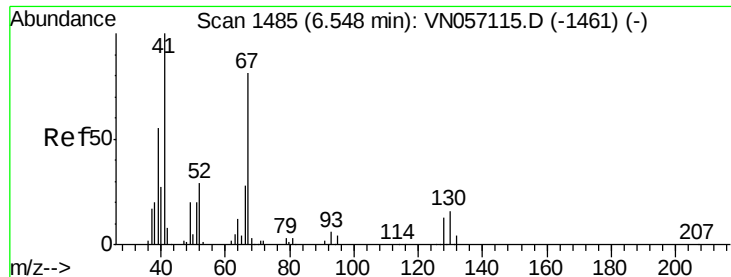
Tgt Ion: 83 Resp: 368618
Ion Ratio Lower Upper
83 100
55 73.8 60.3 90.5
98 46.8 37.9 56.9



#40
Benzene
Concen: 19.865 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 78 Resp: 944629
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

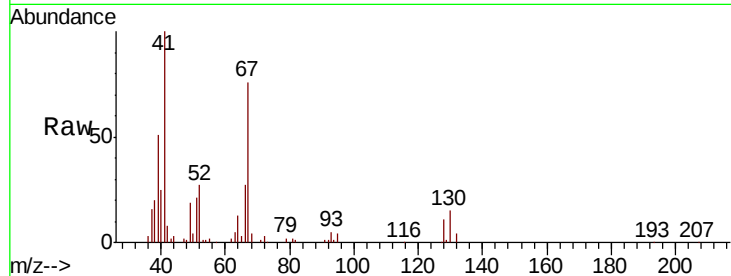




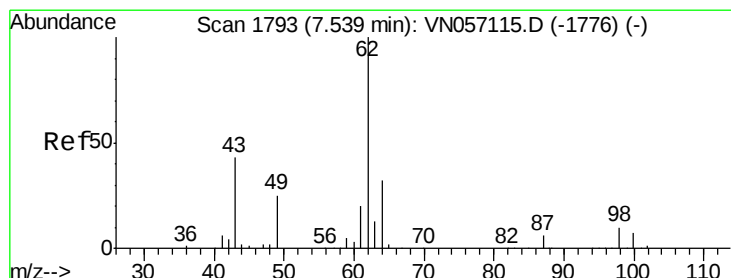
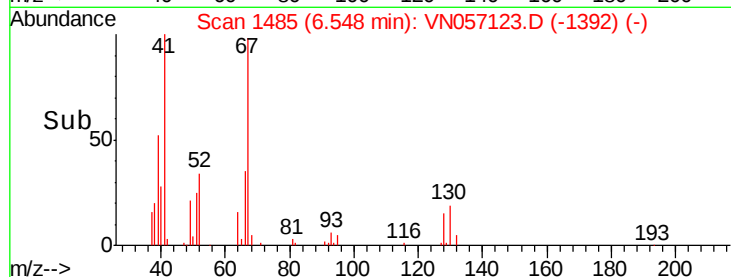
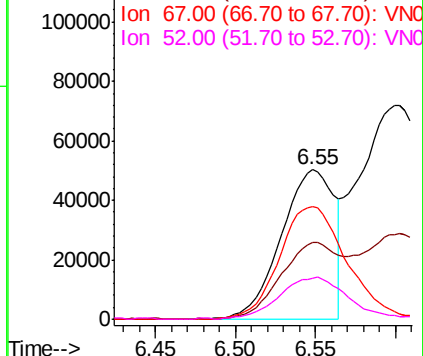
#41
Methacrylonitrile
Concen: 18.512 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

Tgt Ion:	41	Resp:	116434
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.9	67.3
67	95.2	69.1	103.7
52	35.1	25.8	38.6

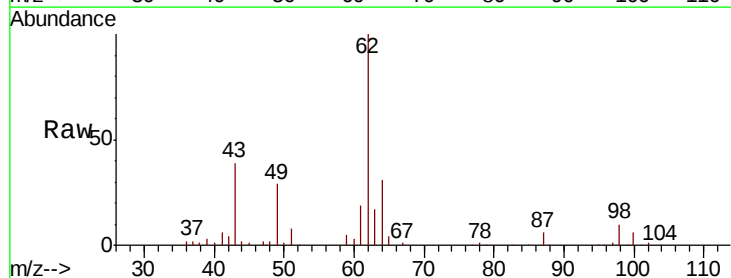


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

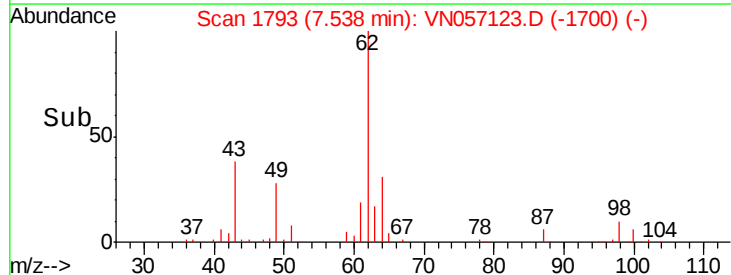
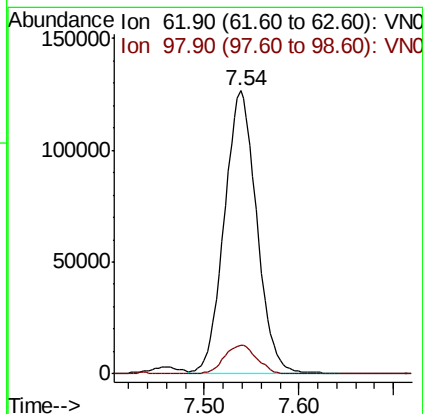


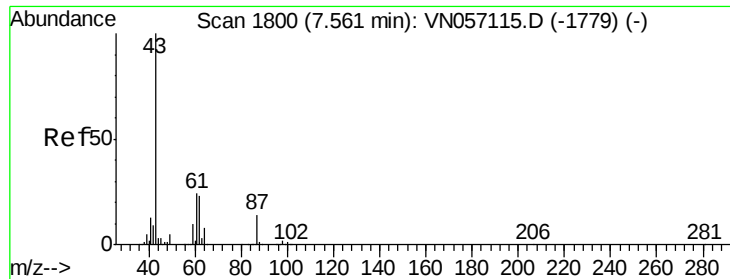
#42
1,2-Dichloroethane
Concen: 19.794 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion:	62	Resp:	300181
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 19.608 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

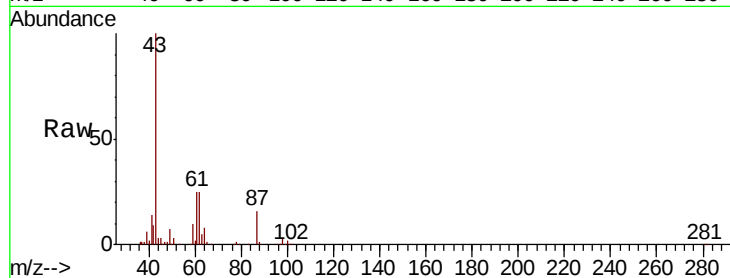
Tgt Ion: 43 Resp: 414322

Ion Ratio Lower Upper

43 100

61 29.1 24.2 36.2

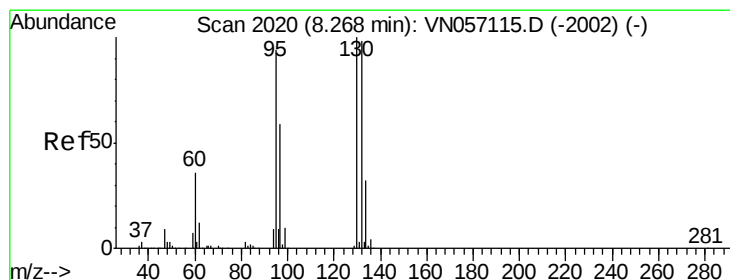
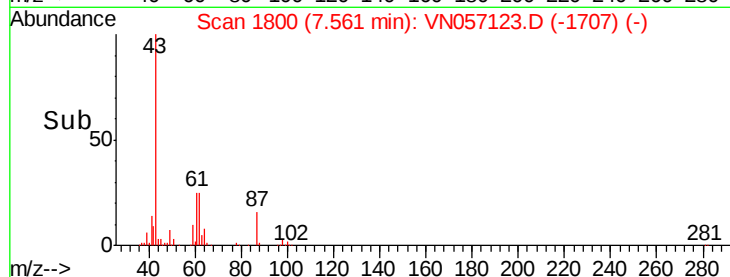
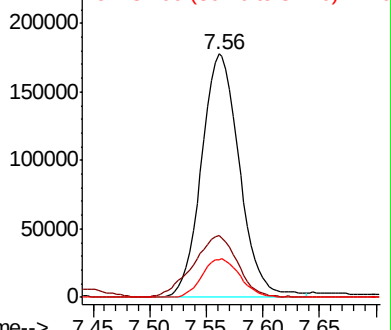
87 15.9 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.950 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057123.D

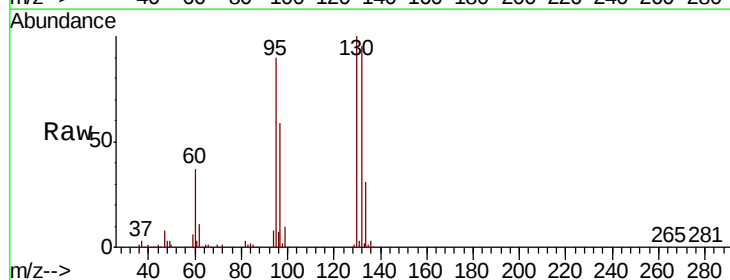
Acq: 8 Aug 2019 11:32

Tgt Ion: 130 Resp: 265773

Ion Ratio Lower Upper

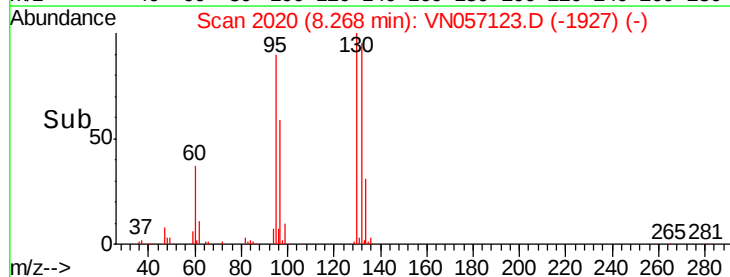
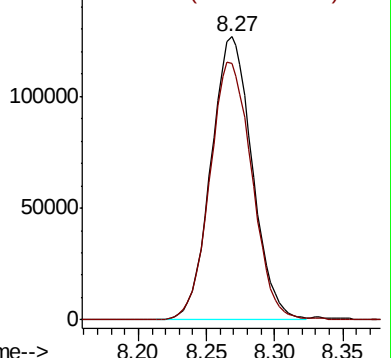
130 100

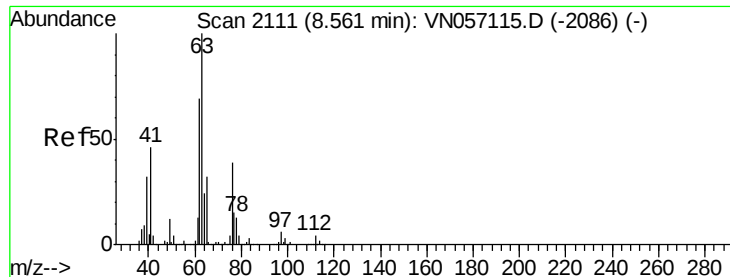
95 90.5 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

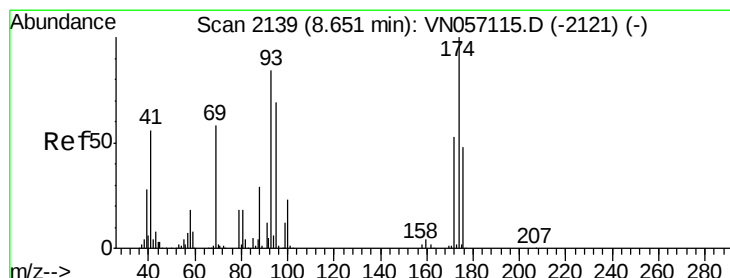
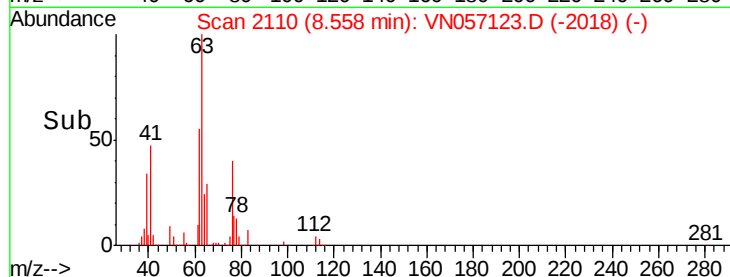
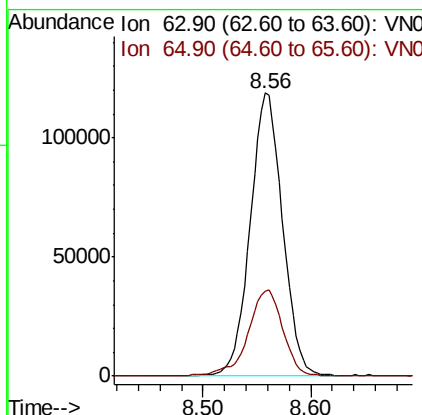
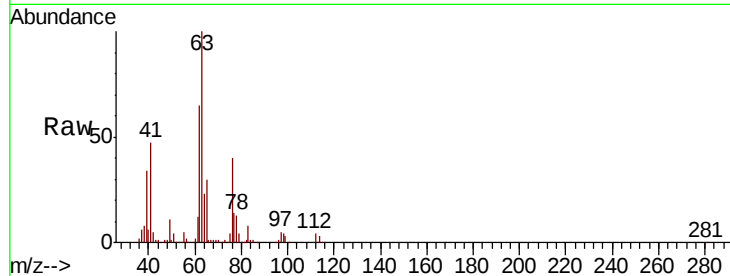




#45
 1,2-Dichloropropane
 Concen: 20.100 ug/l
 RT: 8.56 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

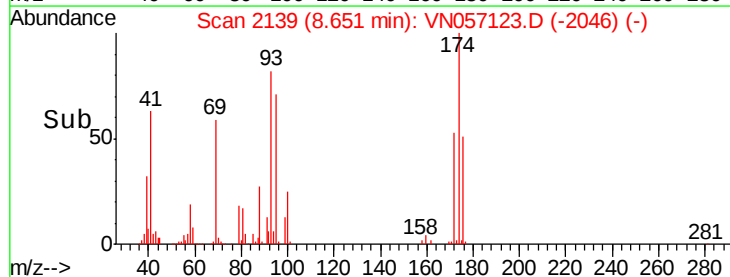
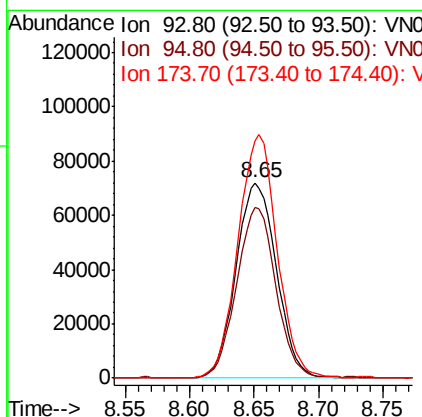
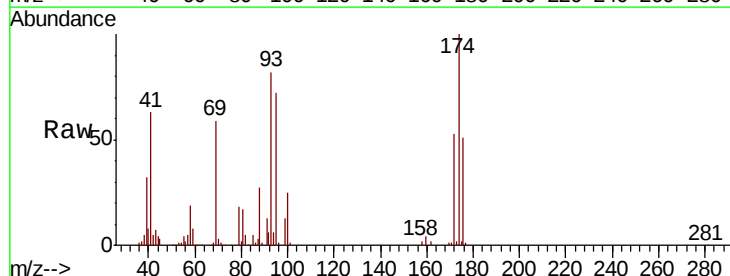
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

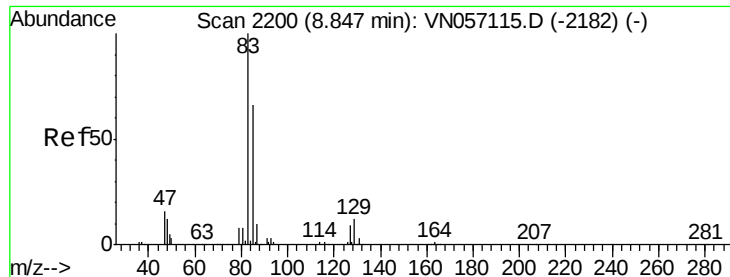
Tgt Ion: 63 Resp: 247478
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.2 37.8



#46
 Dibromomethane
 Concen: 19.936 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion: 93 Resp: 157388
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.0 99.0
 174 120.8 96.0 144.0





#47

Bromodichloromethane

Concen: 20.168 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

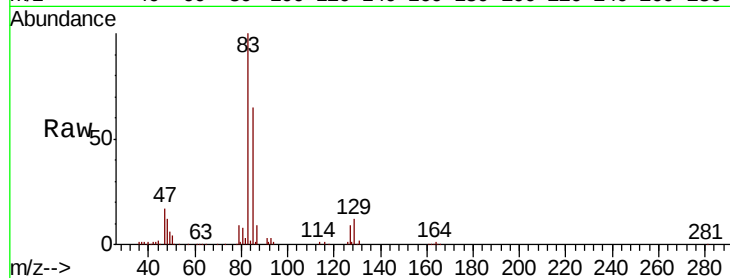
Tgt Ion: 83 Resp: 308075

Ion Ratio Lower Upper

83 100

85 65.3 52.6 78.8

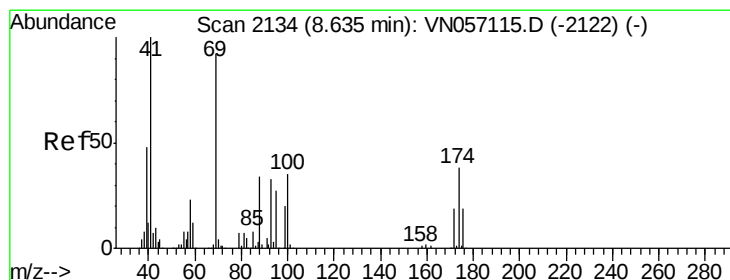
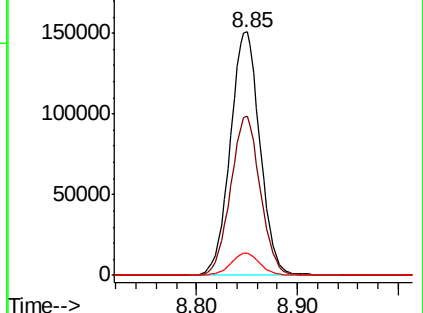
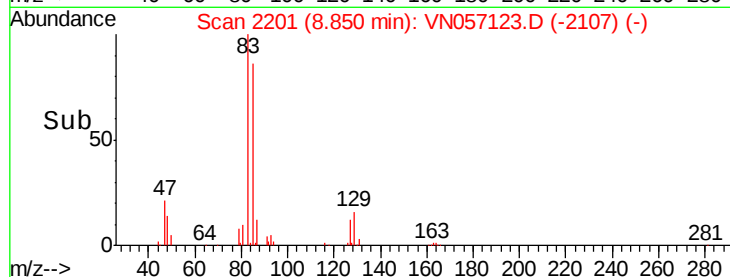
127 9.1 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.743 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

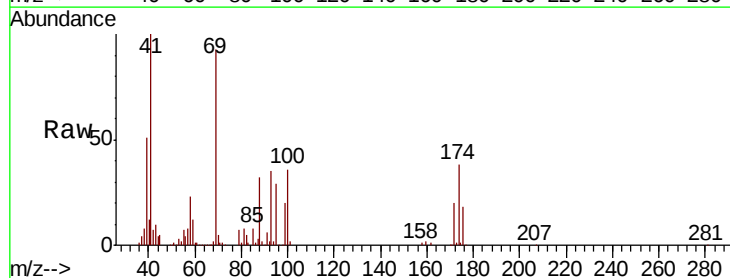
Tgt Ion: 41 Resp: 196713

Ion Ratio Lower Upper

41 100

69 98.6 77.5 116.3

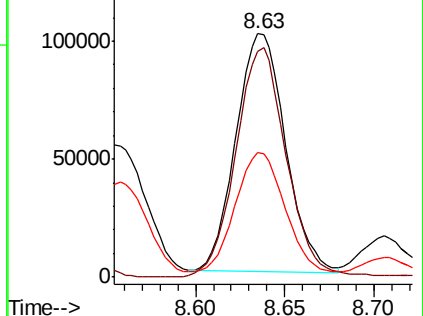
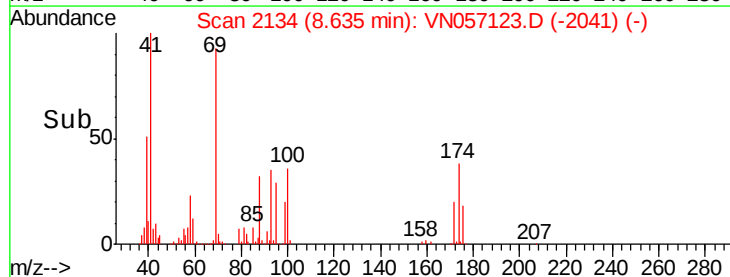
39 50.1 39.8 59.6

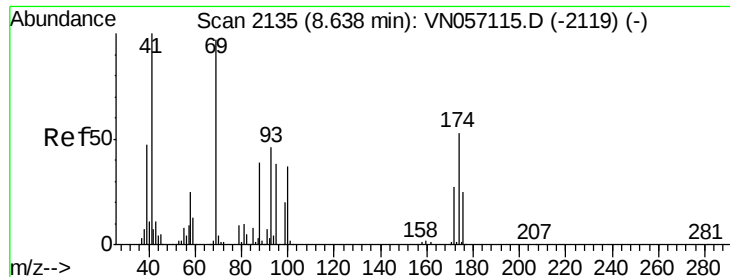


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

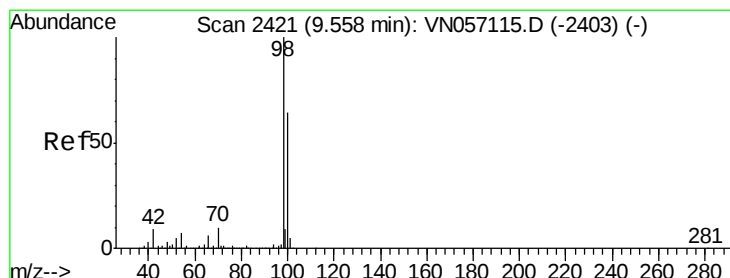
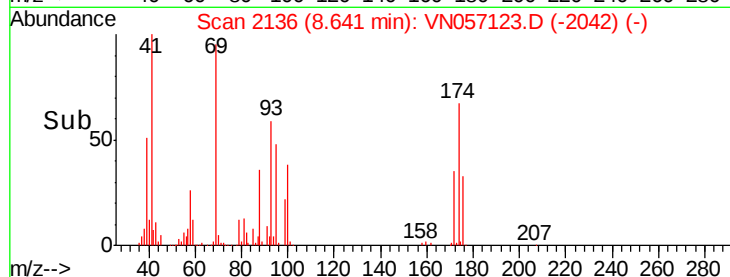
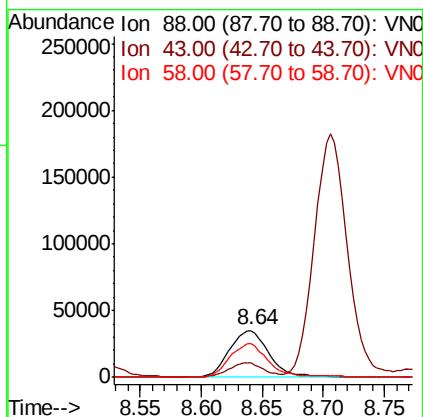
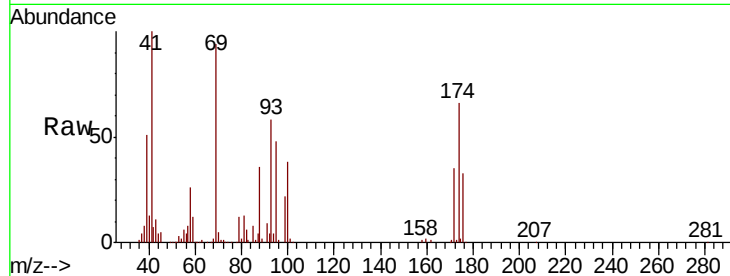




#49
1,4-Dioxane
Concen: 388.266 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

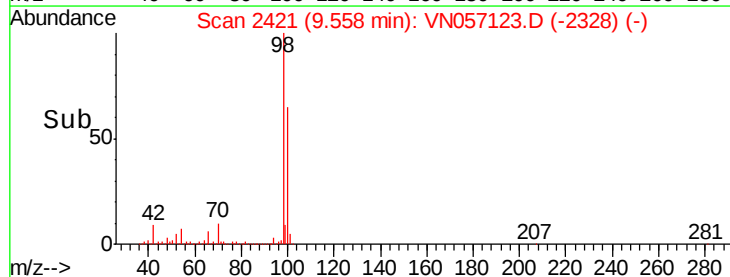
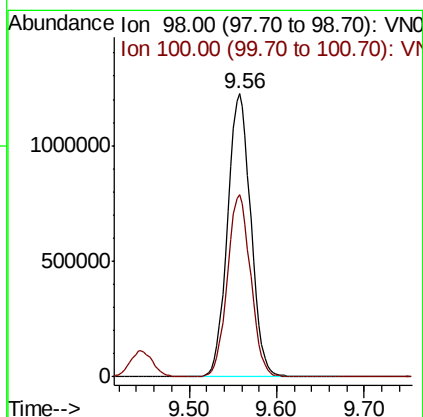
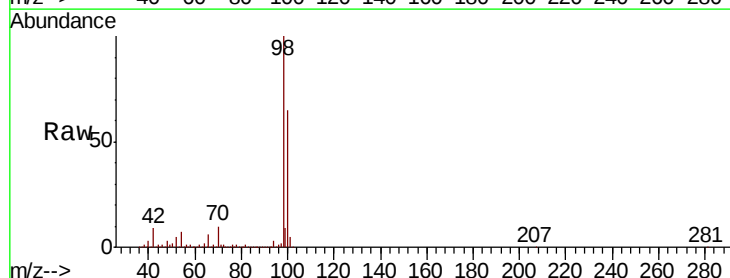
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

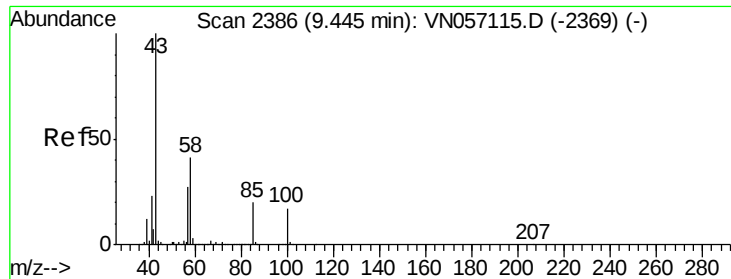
Tgt Ion: 88 Resp: 78792
Ion Ratio Lower Upper
88 100
43 26.0 21.7 32.5
58 68.9 51.1 76.7



#50
Toluene-d8
Concen: 51.616 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 98 Resp: 2260675
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8

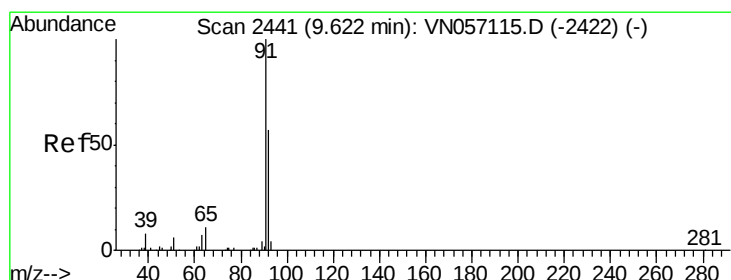
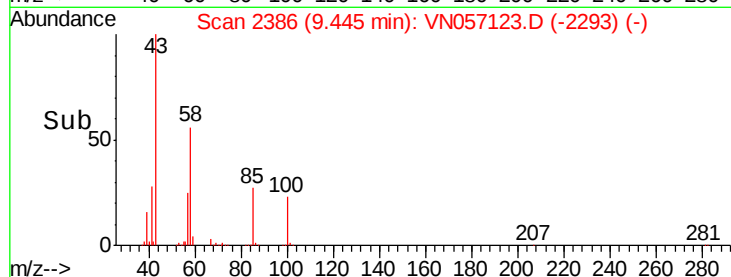
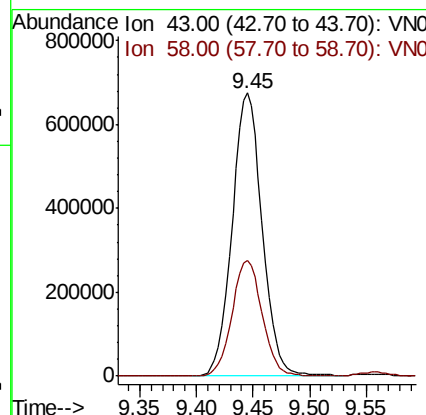
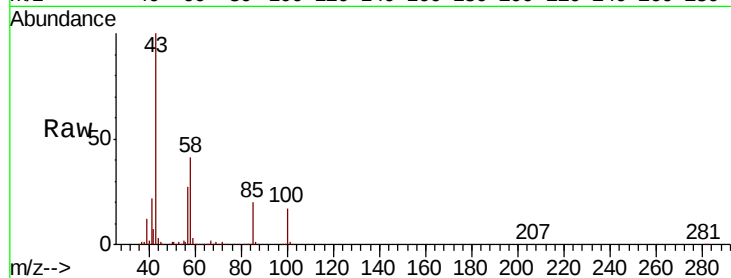




#51
4-Methyl-2-Pentanone
Concen: 101.009 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

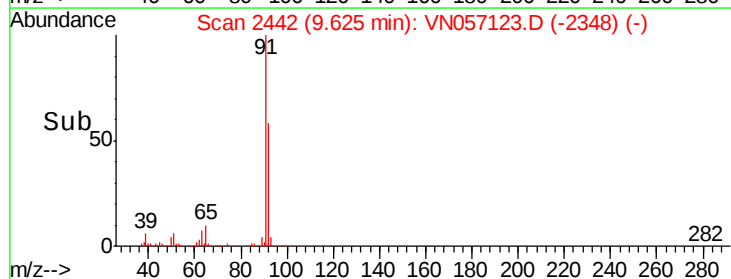
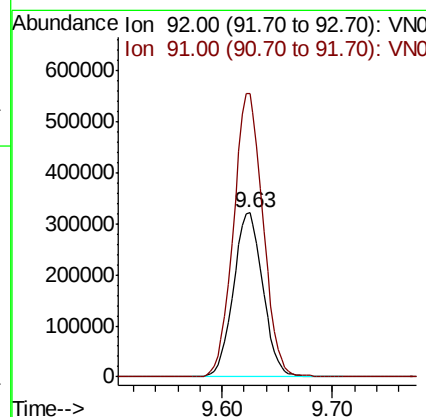
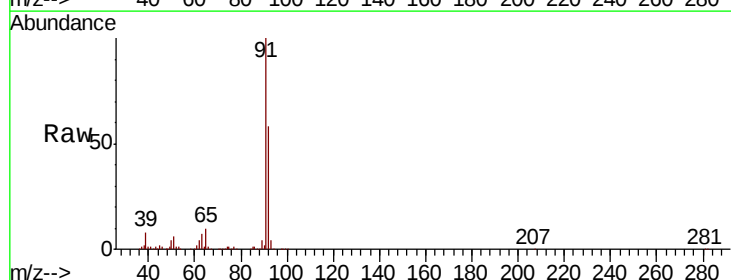
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

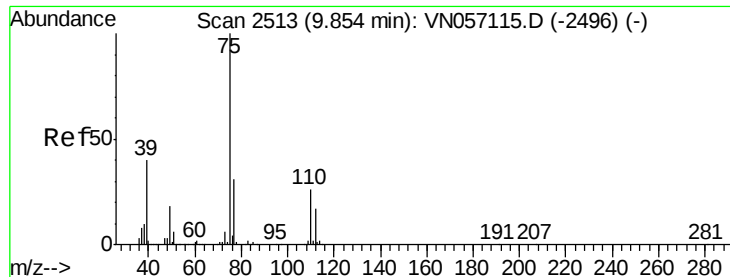
Tgt Ion: 43 Resp: 1242187
Ion Ratio Lower Upper
43 100
58 41.4 33.2 49.8



#52
Toluene
Concen: 20.139 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 92 Resp: 594419
Ion Ratio Lower Upper
92 100
91 173.6 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.839 ug/l

RT: 9.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

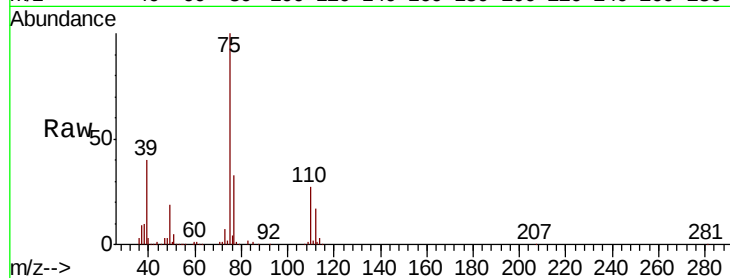
VN0808WBSD01

Tgt Ion: 75 Resp: 332540

Ion Ratio Lower Upper

75 100

77 33.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

9.85

200000

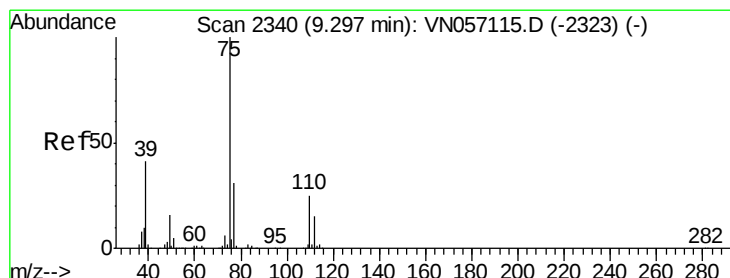
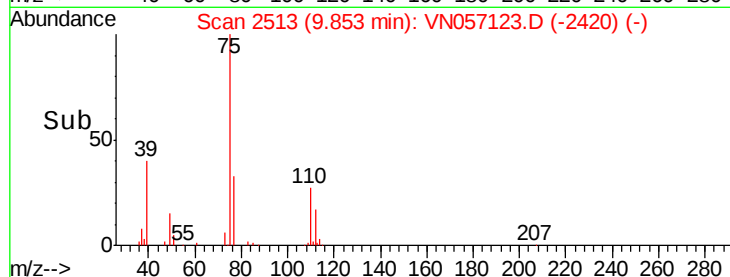
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.595 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

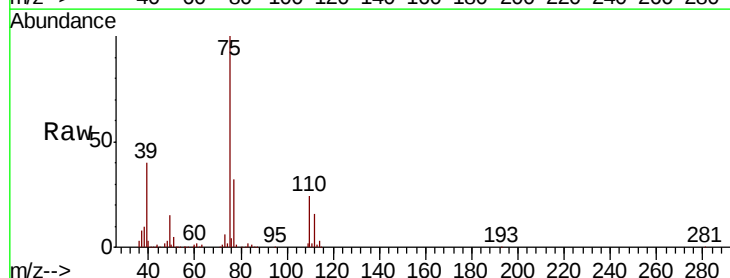
Tgt Ion: 75 Resp: 377111

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 39.8 32.5 48.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

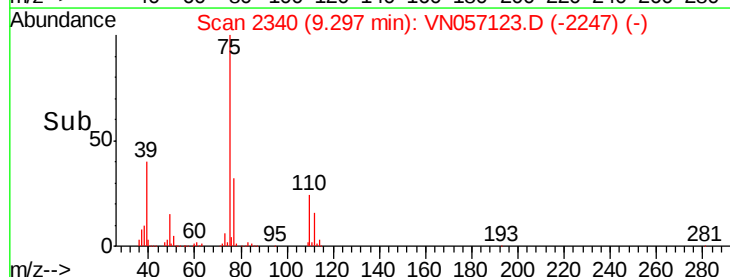
150000

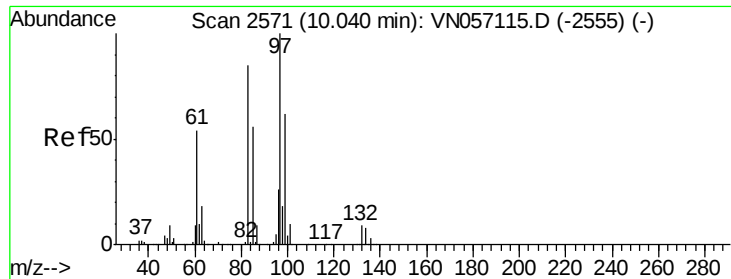
100000

50000

0

Time-->

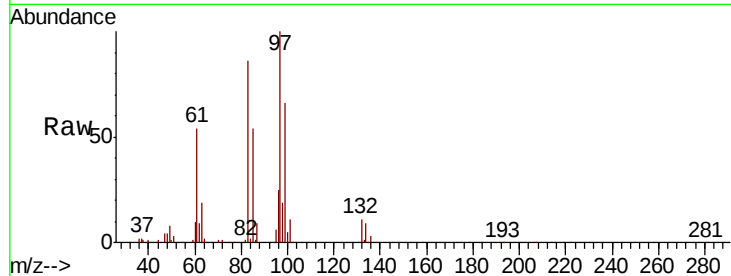




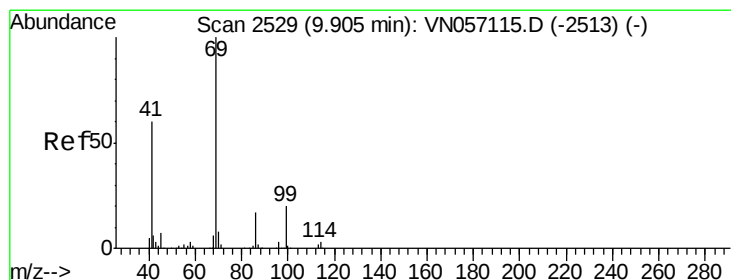
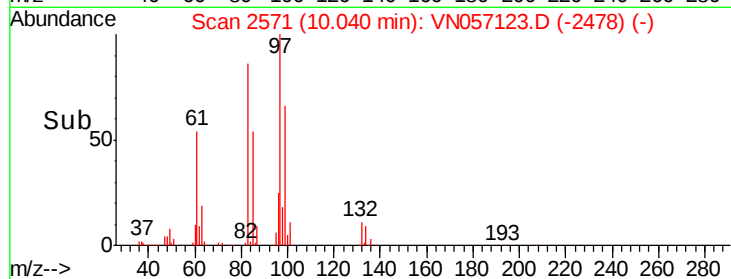
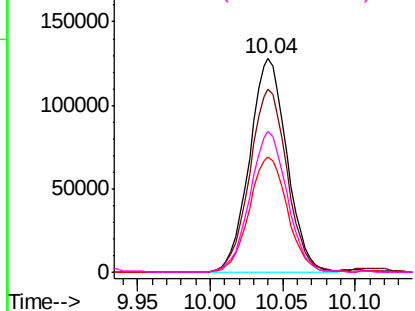
#55
 1,1,2-Trichloroethane
 Concen: 19.783 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tgt Ion: 97 Resp: 229614
 Ion Ratio Lower Upper
 97 100
 83 85.7 67.8 101.8
 85 53.9 44.4 66.6
 99 65.5 49.8 74.6

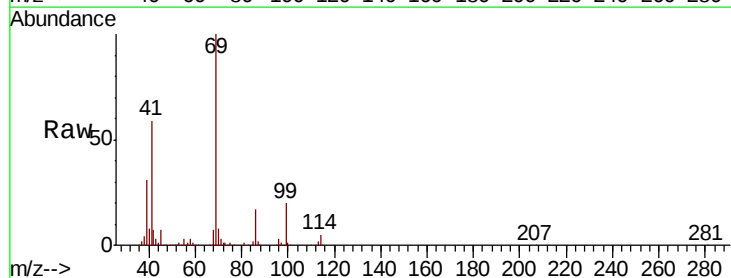


Abundance Ion 96.90 (96.60 to 97.60): VNO
 200000 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

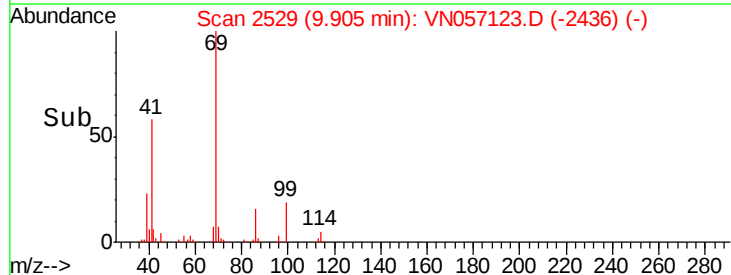
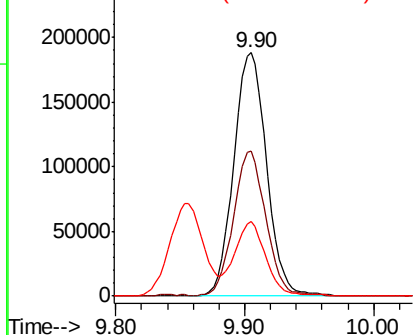


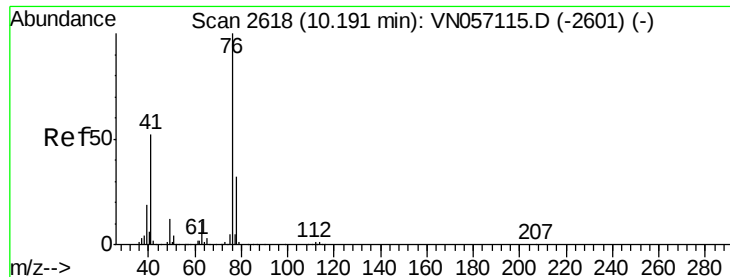
#56
 Ethyl methacrylate
 Concen: 20.499 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion: 69 Resp: 333132
 Ion Ratio Lower Upper
 69 100
 41 58.3 48.1 72.1
 39 28.7 23.6 35.4



Abundance Ion 69.00 (68.70 to 69.70): VNO
 250000 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.859 ug/l

RT: 10.19 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

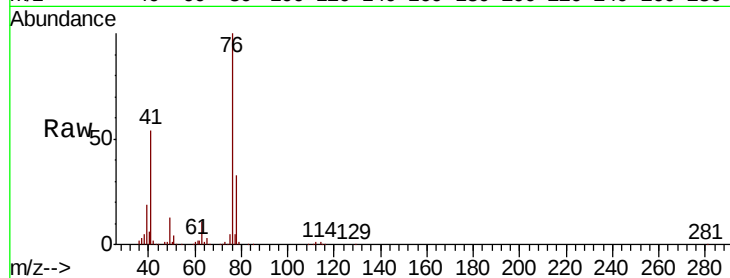
VN0808WBSD01

Tgt Ion: 76 Resp: 380121

Ion Ratio Lower Upper

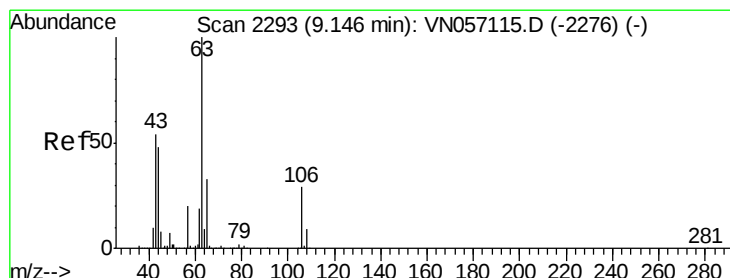
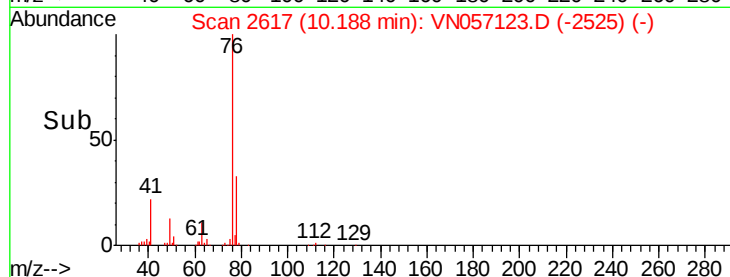
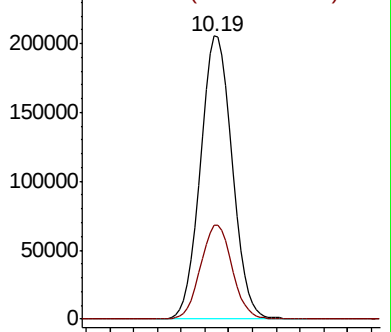
76 100

78 33.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.783 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VN057123.D

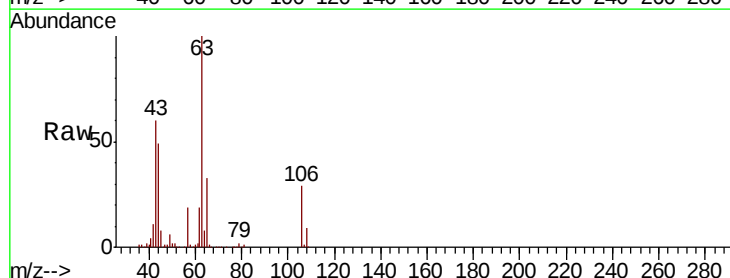
Acq: 8 Aug 2019 11:32

Tgt Ion: 63 Resp: 585873

Ion Ratio Lower Upper

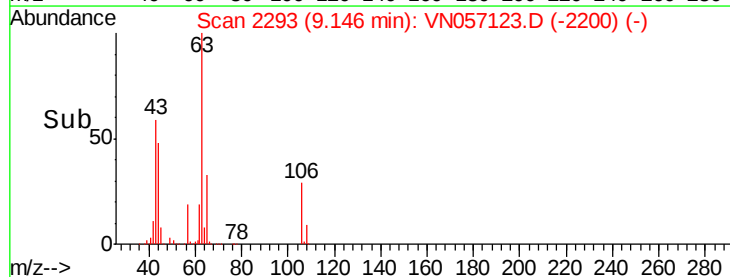
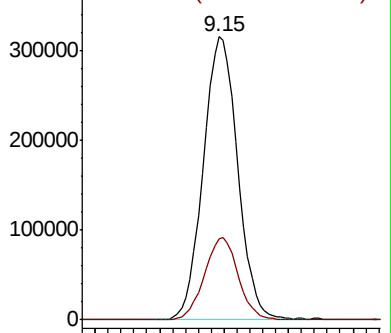
63 100

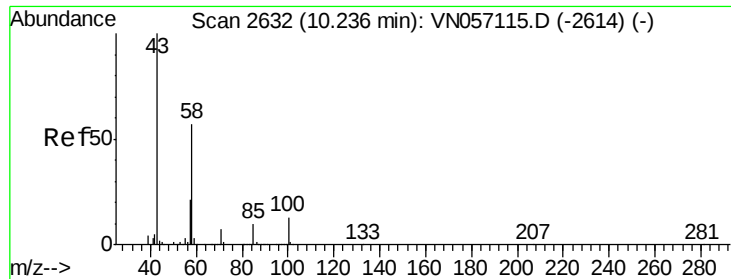
106 28.6 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

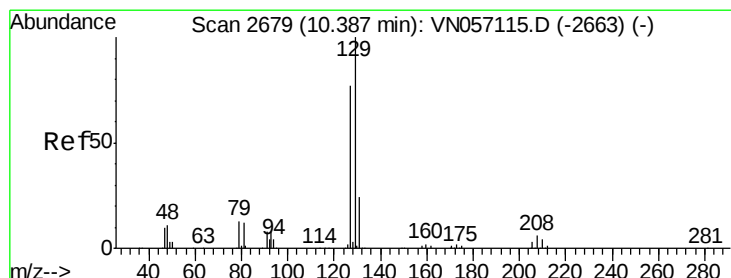
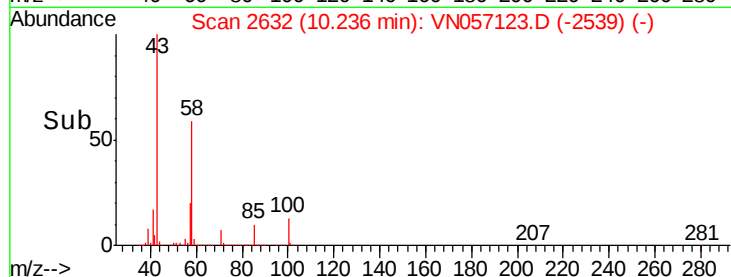
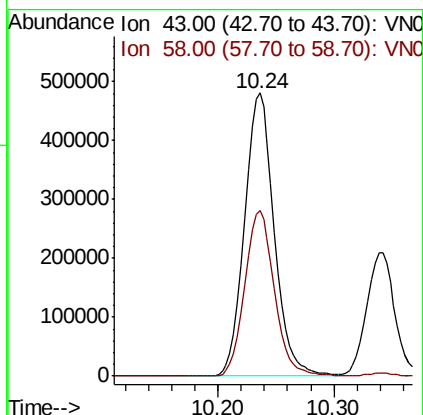
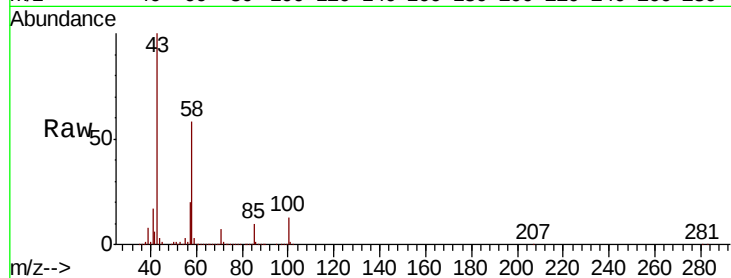




#59
2-Hexanone
Concen: 103.027 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

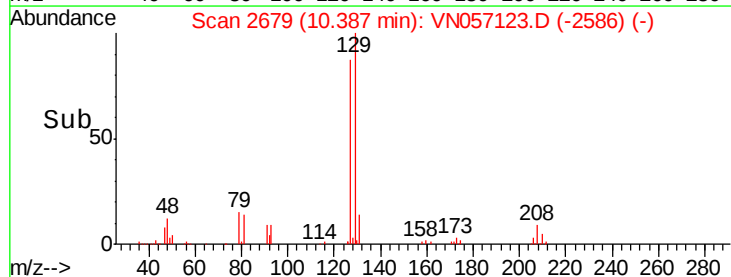
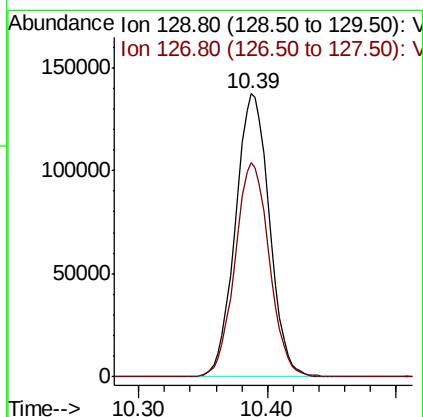
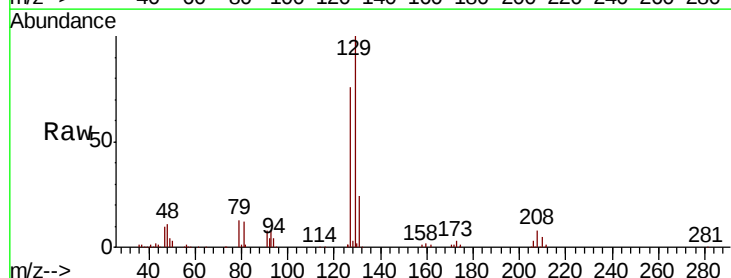
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

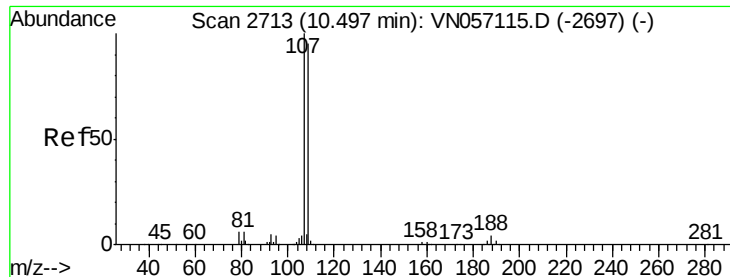
Tgt Ion: 43 Resp: 857498
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6



#60
Dibromochloromethane
Concen: 20.628 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 129 Resp: 251459
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.966 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

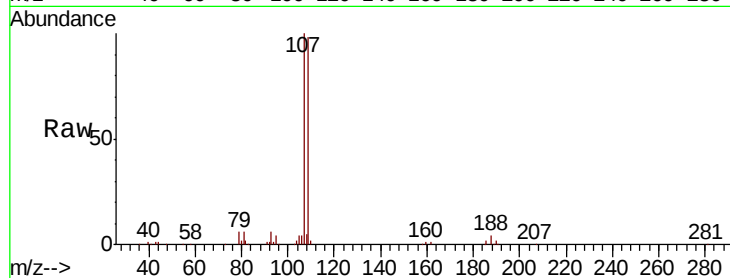
VN0808WBSD01

Tgt Ion: 107 Resp: 239135

Ion Ratio Lower Upper

107 100

109 95.3 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.50

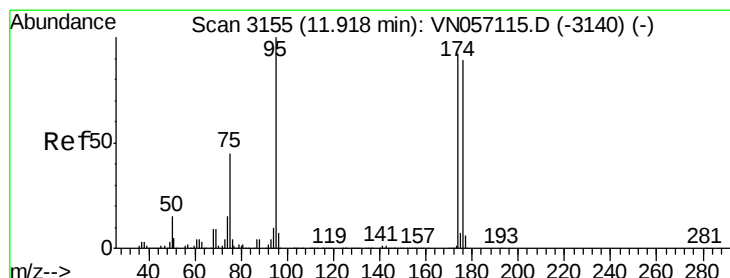
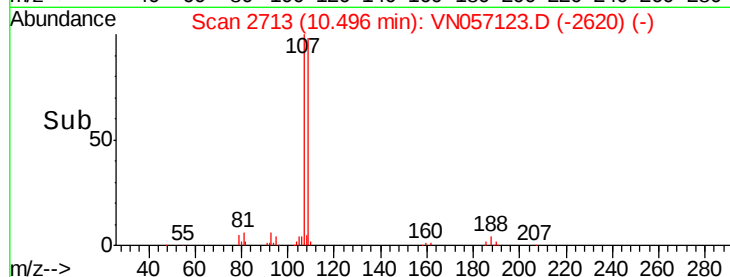
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.980 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

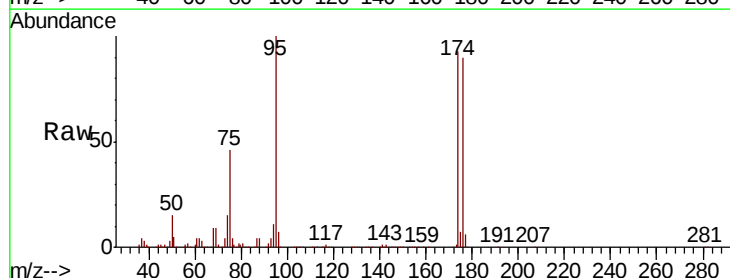
Tgt Ion: 95 Resp: 691207

Ion Ratio Lower Upper

95 100

174 94.2 0.0 185.0

176 90.8 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.92

500000

400000

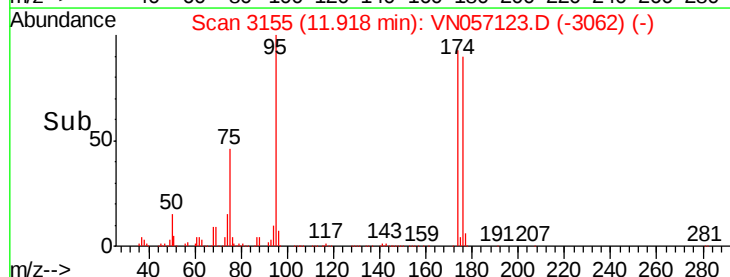
300000

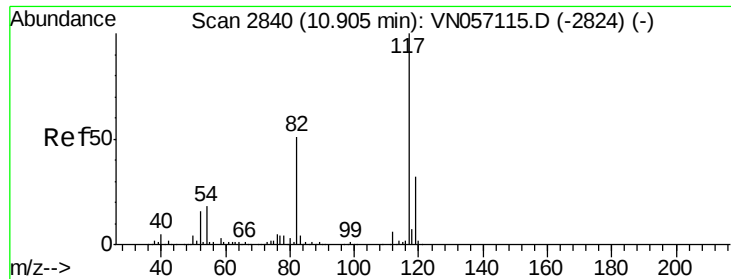
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

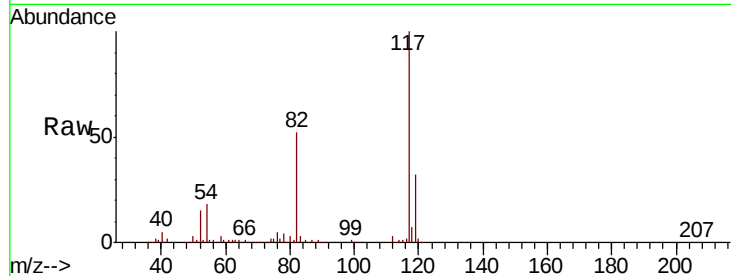
Tgt Ion:117 Resp: 1598251

Ion Ratio Lower Upper

117 100

82 52.0 40.8 61.2

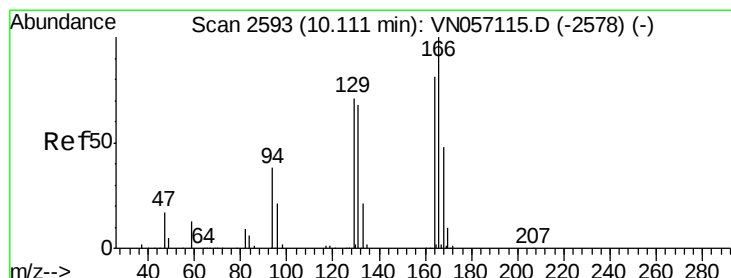
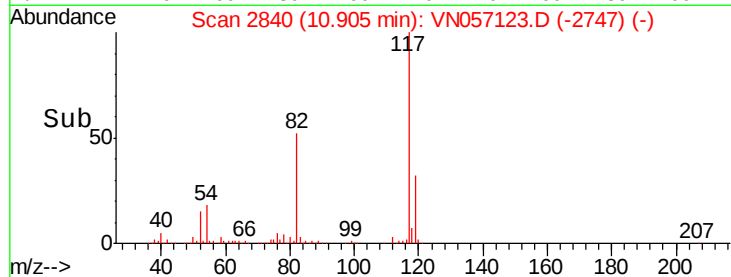
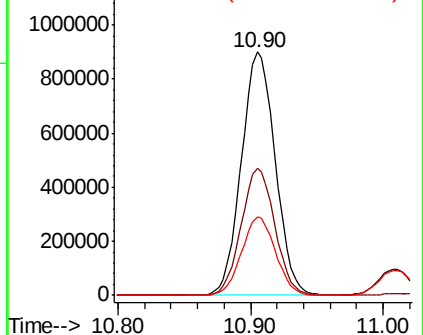
119 32.1 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.594 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:164 Resp: 260433

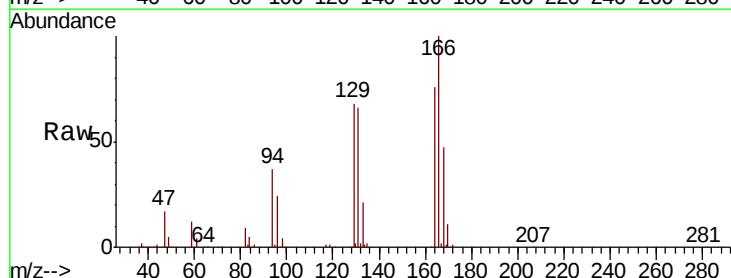
Ion Ratio Lower Upper

164 100

166 130.8 98.3 147.5

129 88.5 69.8 104.6

131 86.3 66.8 100.2

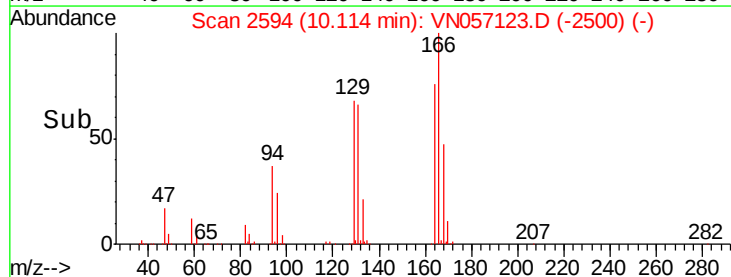
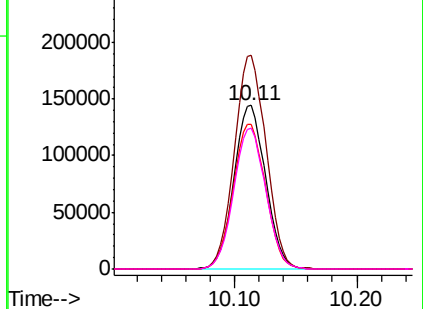


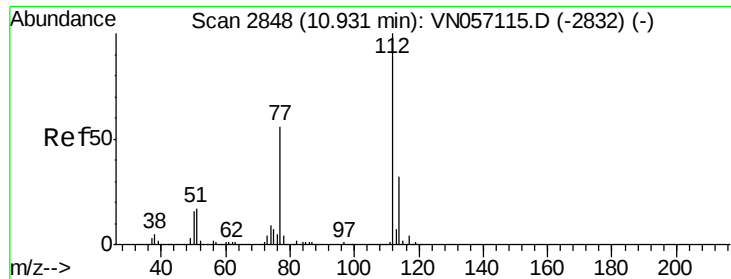
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

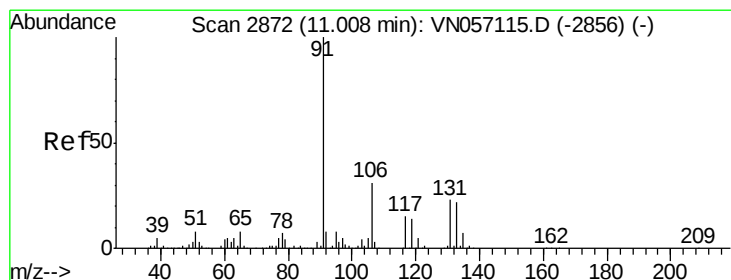
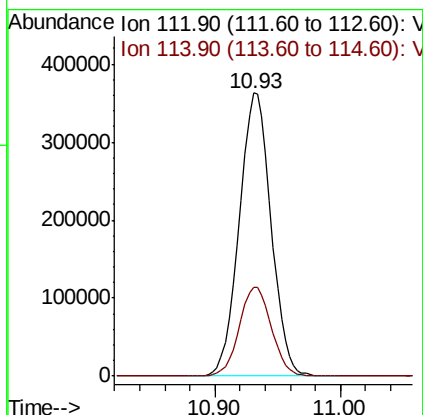
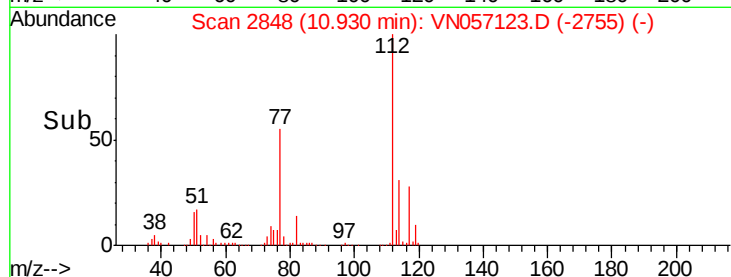
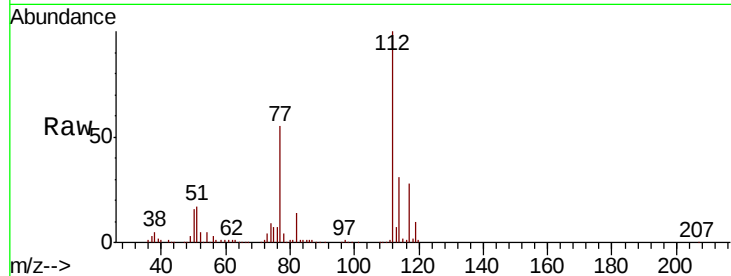




#65
Chlorobenzene
Concen: 19.916 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

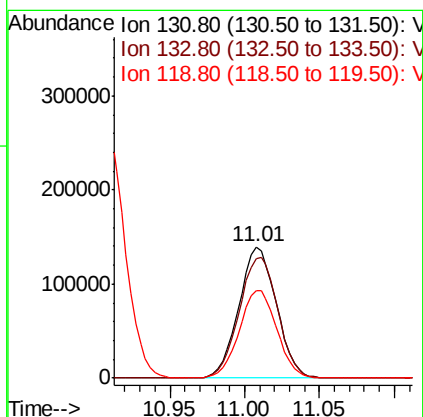
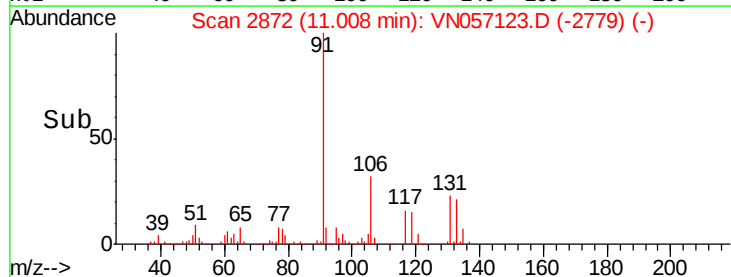
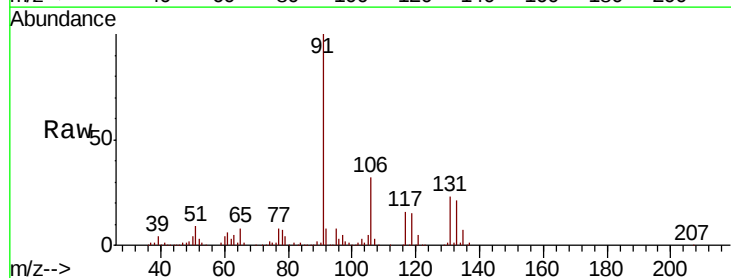
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

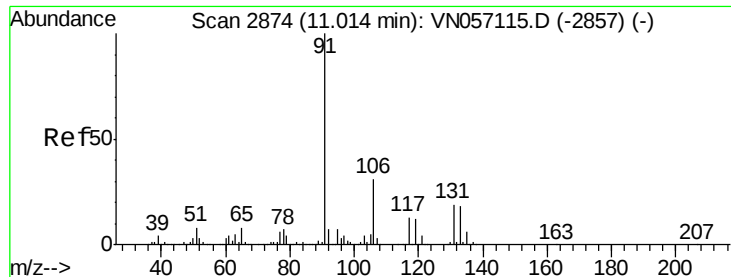
Tgt Ion:112 Resp: 640449
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.202 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion:131 Resp: 242880
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 67.2 32.6 97.7





#67

Ethyl Benzene

Concen: 20.124 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

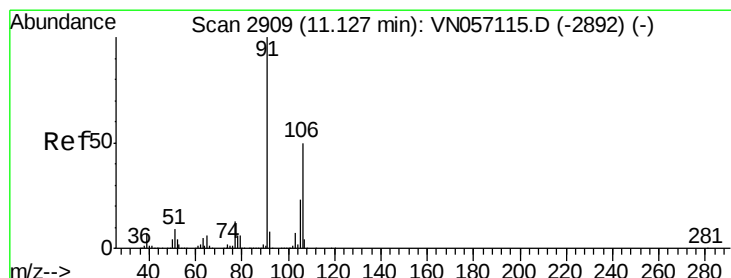
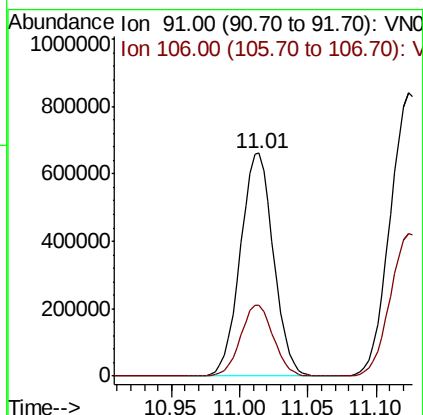
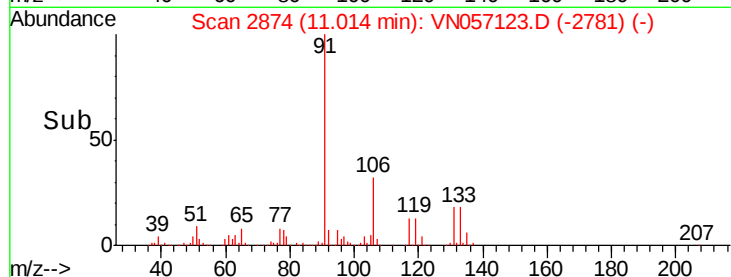
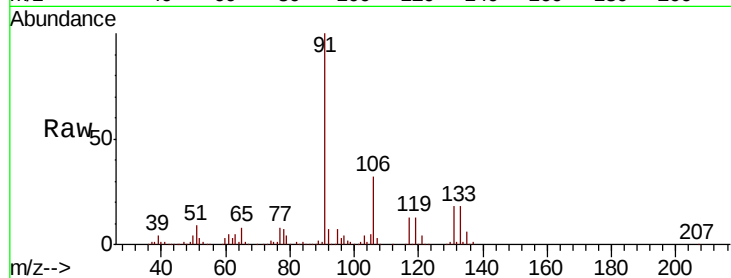
VN0808WBSD01

Tgt Ion: 91 Resp: 1113785

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



#68

m/p-Xylenes

Concen: 40.944 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057123.D

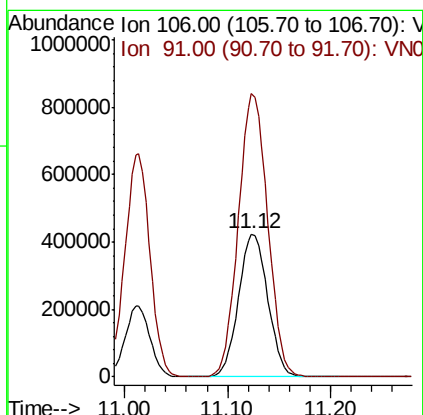
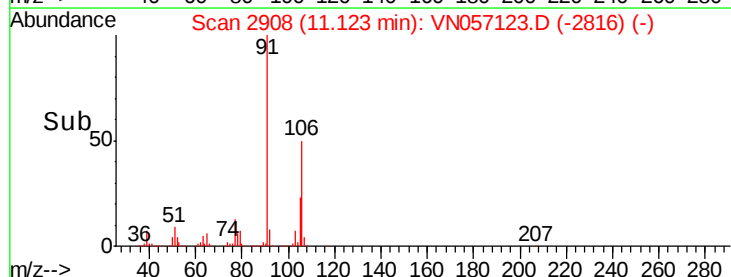
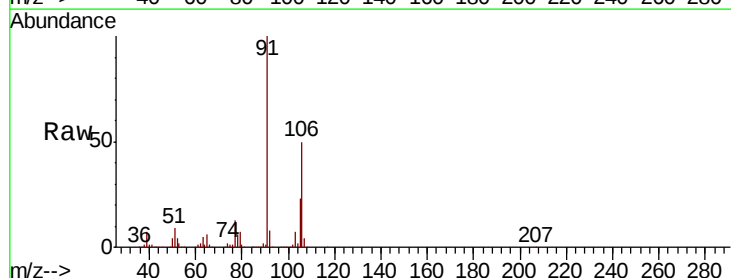
Acq: 8 Aug 2019 11:32

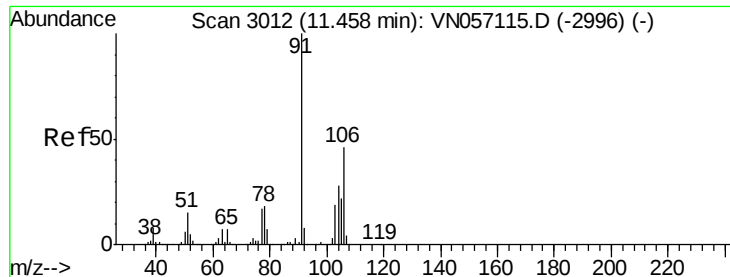
Tgt Ion: 106 Resp: 834860

Ion Ratio Lower Upper

106 100

91 198.3 159.8 239.8

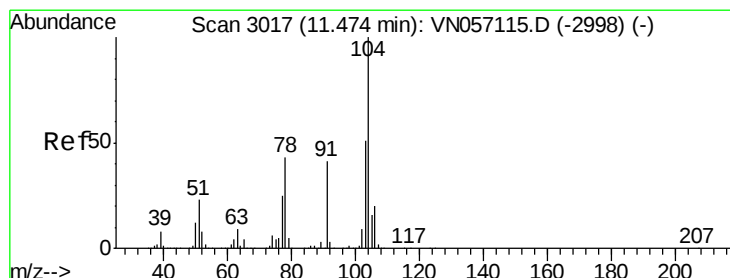
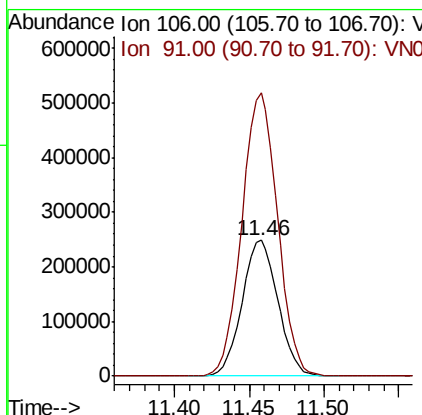
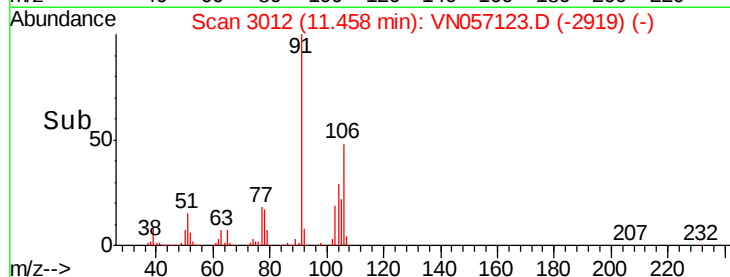
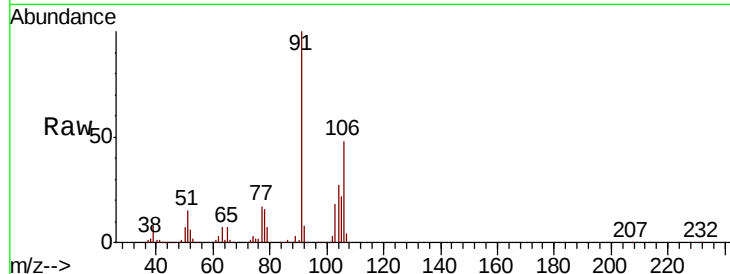




#69
o-Xylene
Concen: 20.416 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

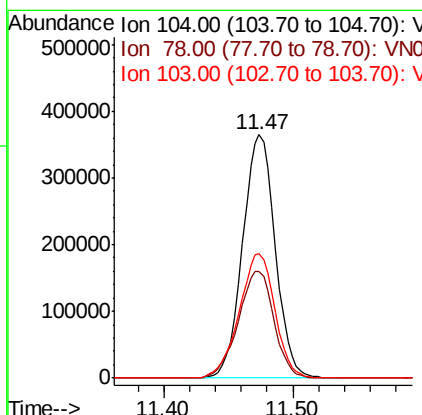
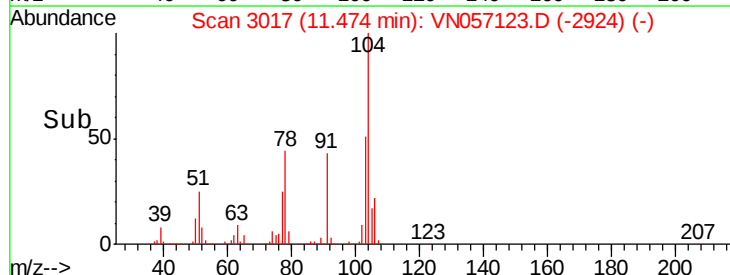
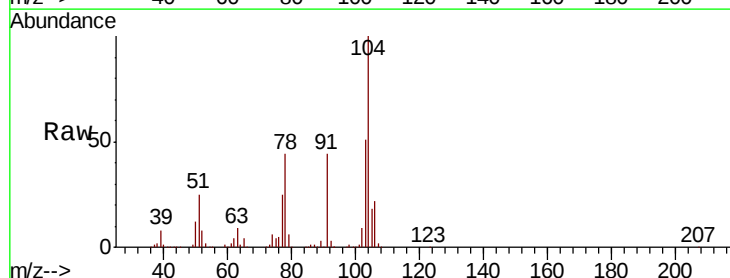
Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

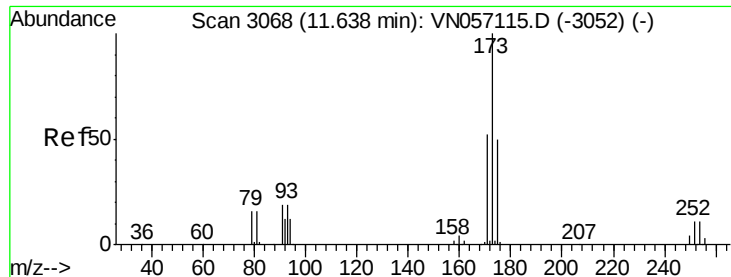
Tgt Ion:106 Resp: 414297
Ion Ratio Lower Upper
106 100
91 208.0 106.8 320.5



#70
Styrene
Concen: 20.239 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion:104 Resp: 641505
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.9 44.6 66.8

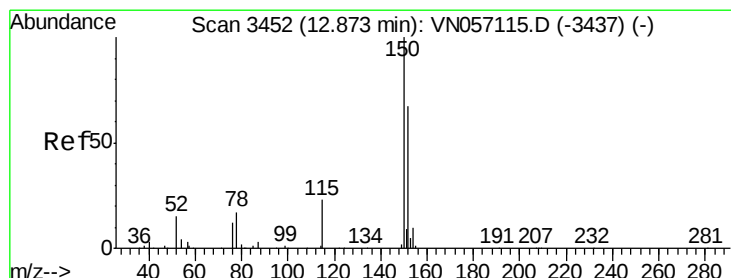
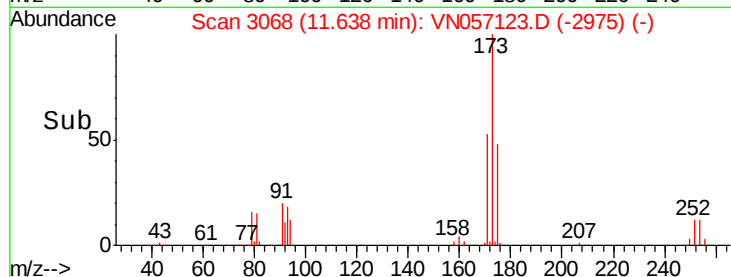
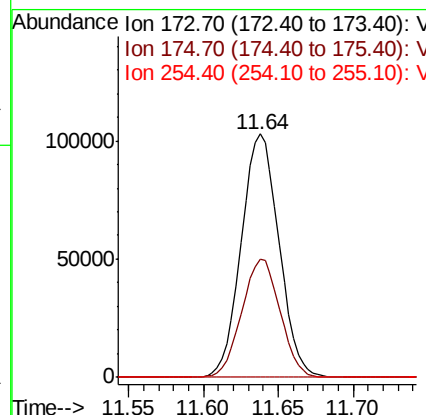
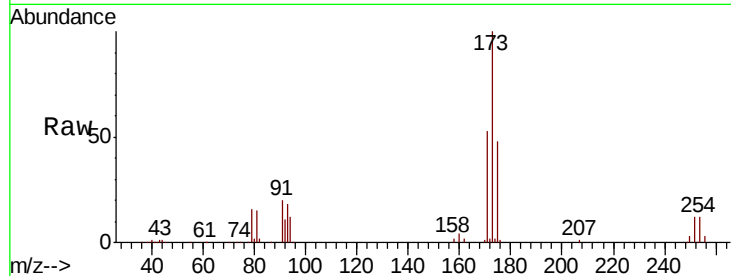




#71
 Bromoform
 Concen: 20.475 ug/l
 RT: 11.64 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

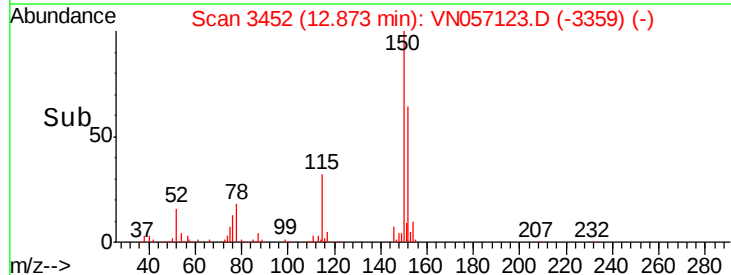
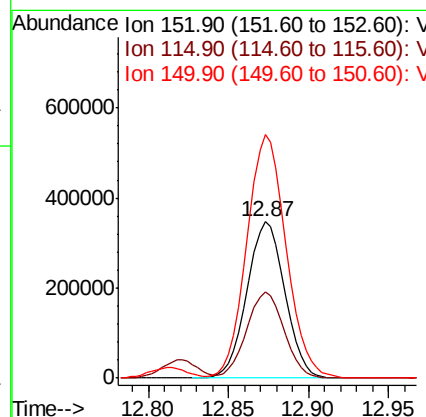
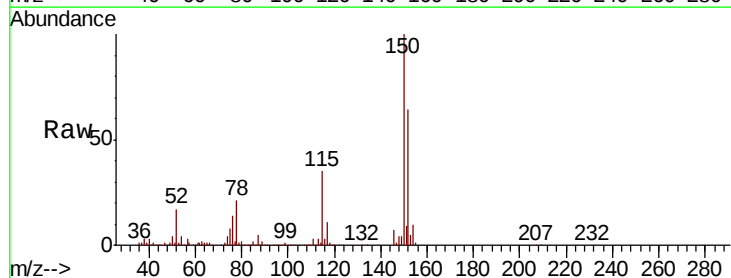
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808WBSD01

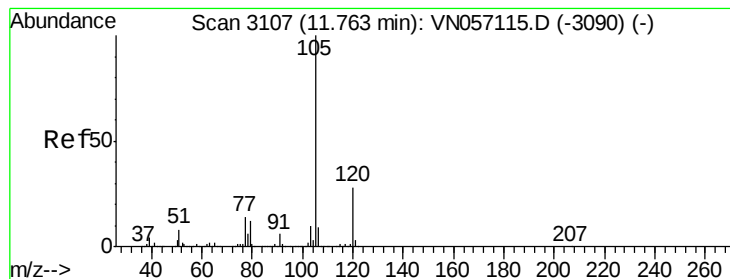
Tgt Ion:173 Resp: 180317
 Ion Ratio Lower Upper
 173 100
 175 49.4 24.6 73.8
 254 0.0 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.87 min Scan# 3452
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion:152 Resp: 561548
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.5 82.5
 150 161.2 0.0 341.6





#73

Isopropylbenzene

Concen: 22.503 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

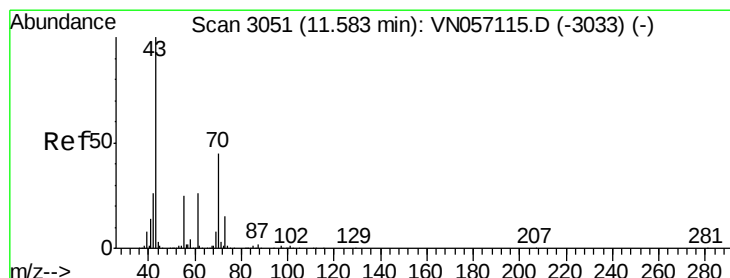
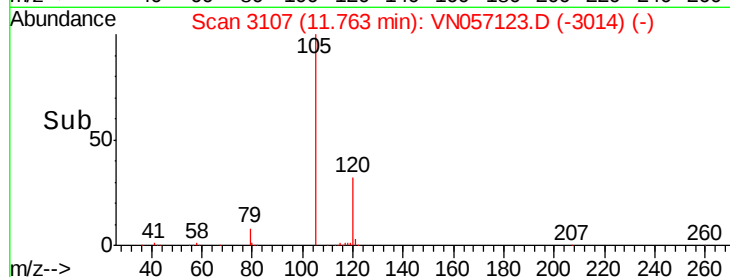
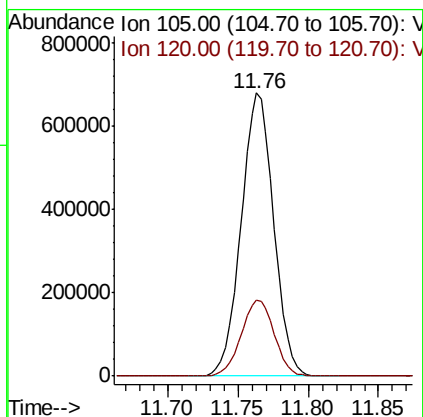
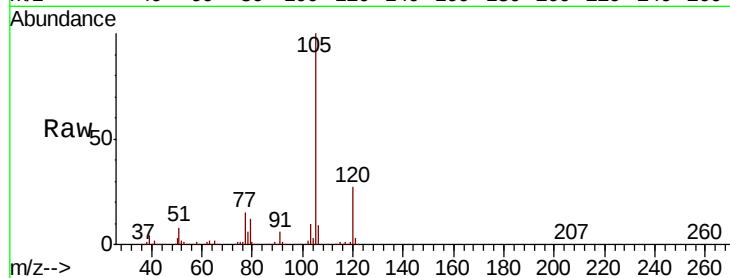
VN0808WBSD01

Tgt Ion:105 Resp: 1095598

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0



#74

N-ethyl acetate

Concen: 20.911 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion: 43 Resp: 297568

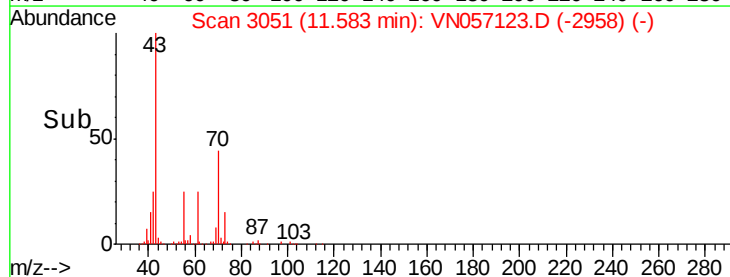
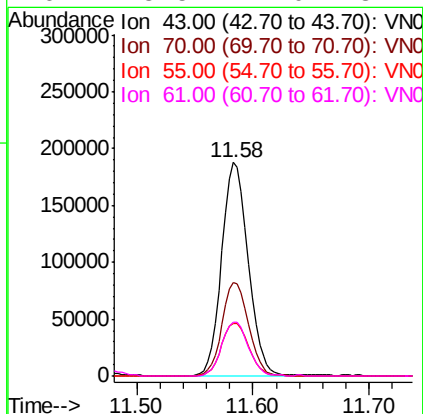
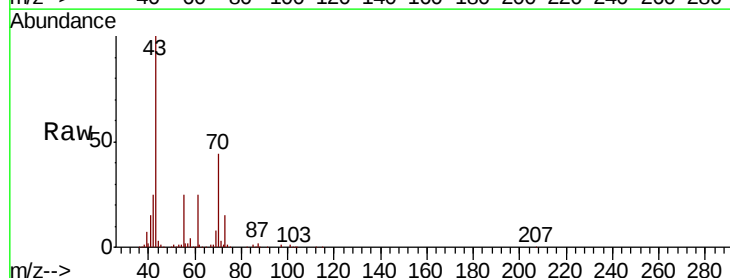
Ion Ratio Lower Upper

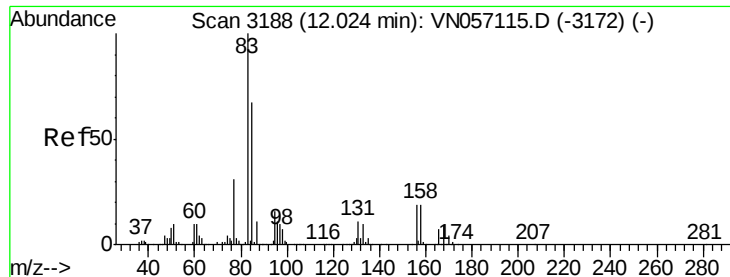
43 100

70 44.2 36.8 55.2

55 25.7 20.6 31.0

61 25.5 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.659 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

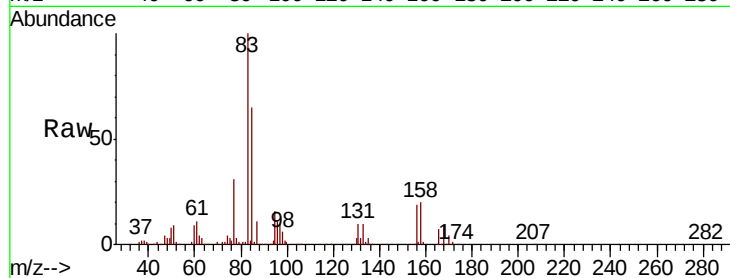
Tgt Ion: 83 Resp: 305722

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.4

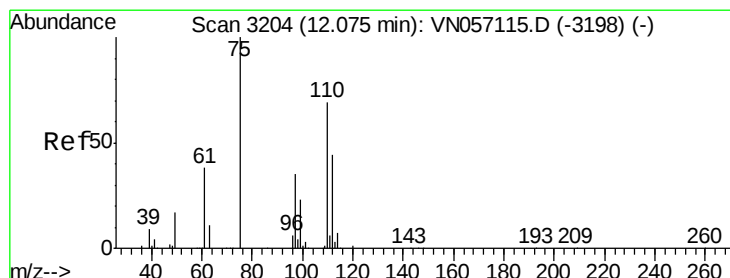
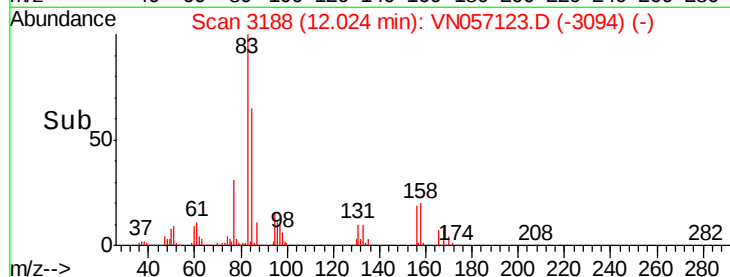
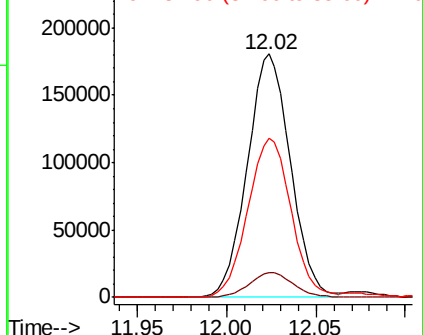
85 65.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.448 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN057123.D

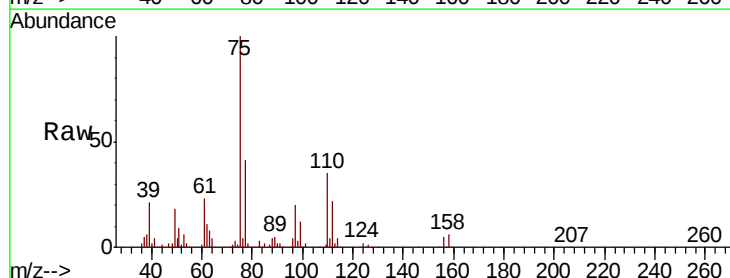
Acq: 8 Aug 2019 11:32

Tgt Ion: 75 Resp: 356738

Ion Ratio Lower Upper

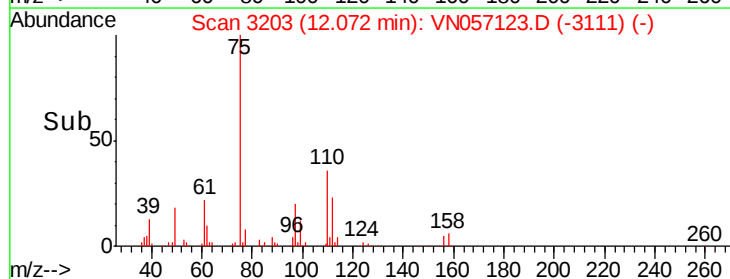
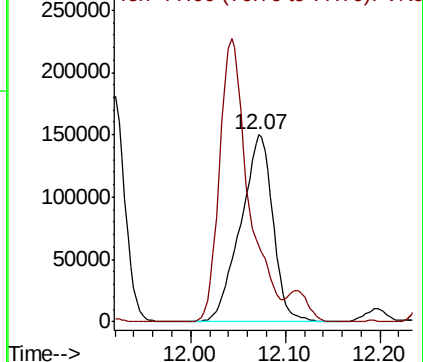
75 100

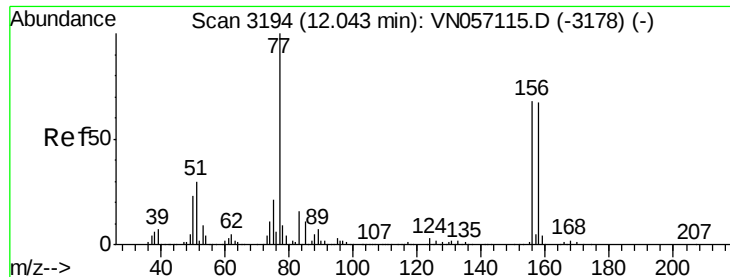
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.532 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

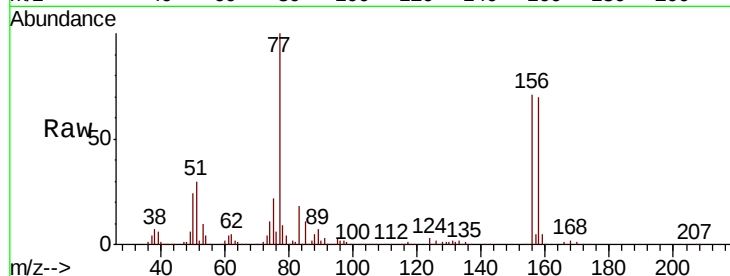
Tgt Ion:156 Resp: 277124

Ion Ratio Lower Upper

156 100

77 175.5 88.7 266.1

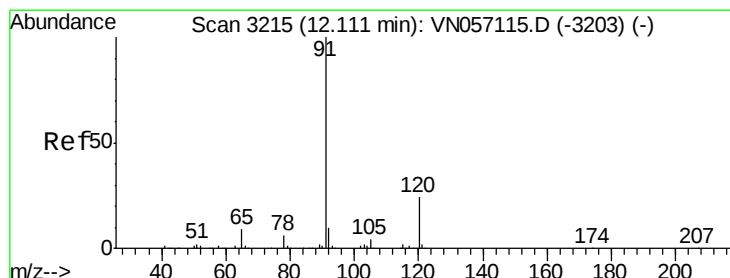
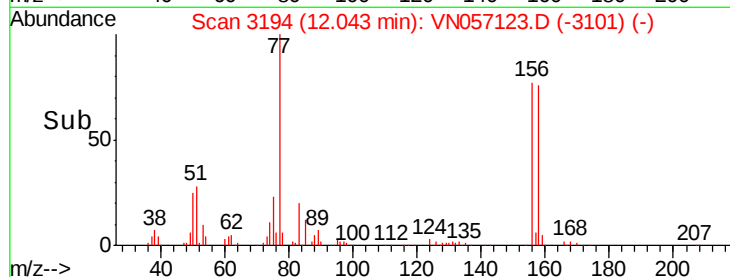
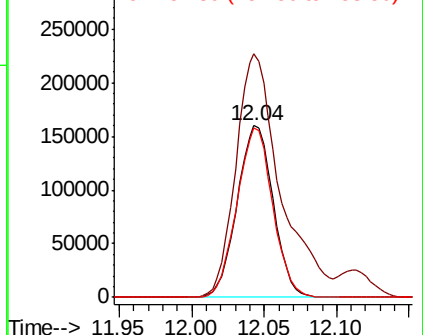
158 98.1 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.340 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. -0.00 min

Lab File: VN057123.D

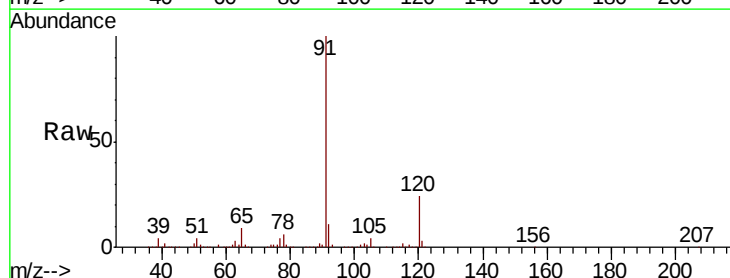
Acq: 8 Aug 2019 11:32

Tgt Ion: 91 Resp: 1095774

Ion Ratio Lower Upper

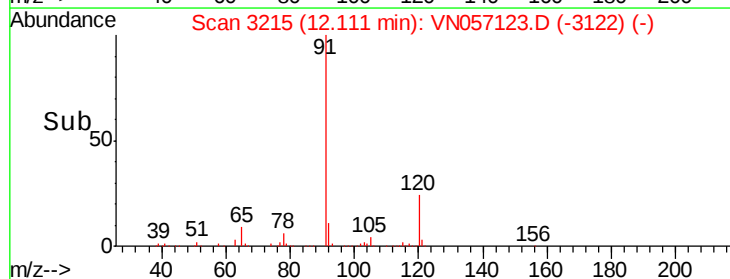
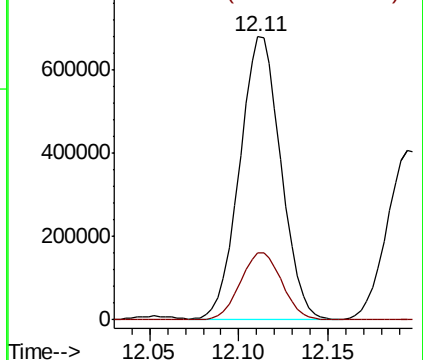
91 100

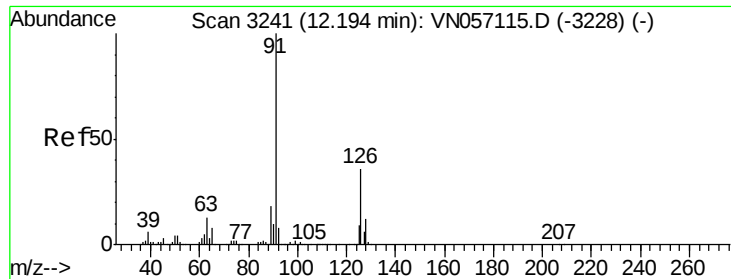
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.947 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

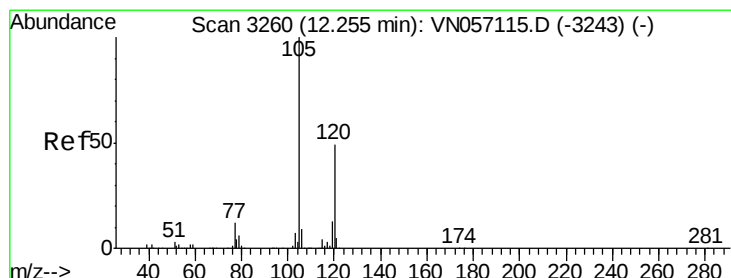
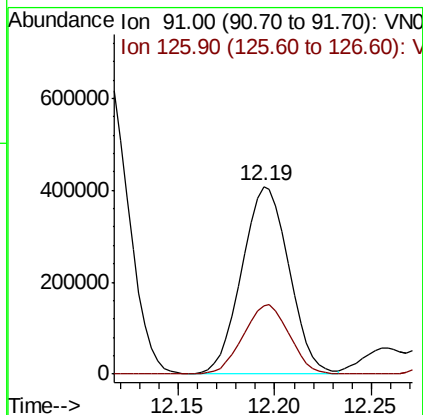
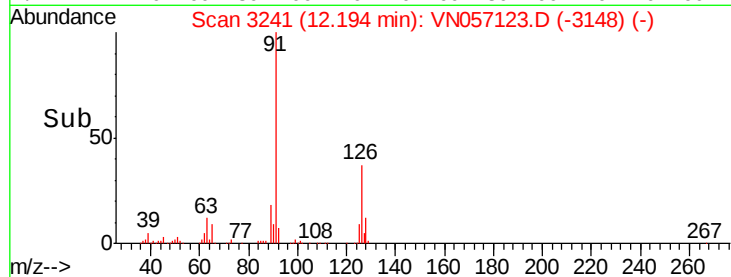
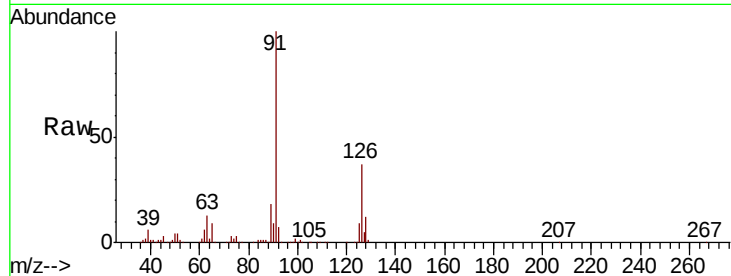
VN0808WBSD01

Tgt Ion: 91 Resp: 691495

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.3



#80

1,3,5-Trimethylbenzene

Concen: 20.755 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN057123.D

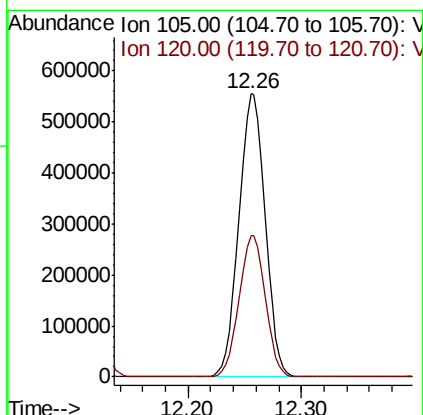
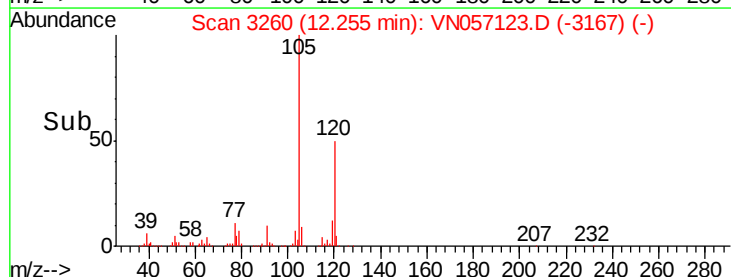
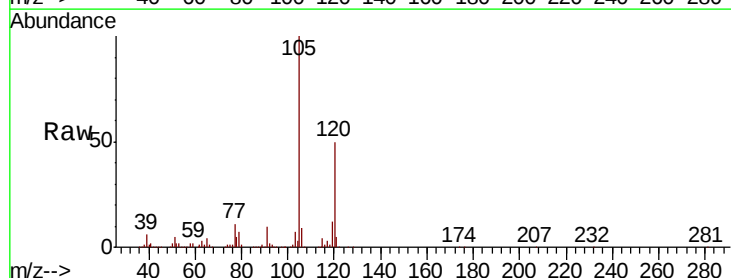
Acq: 8 Aug 2019 11:32

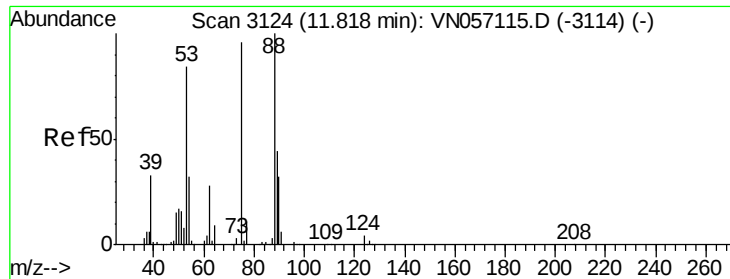
Tgt Ion: 105 Resp: 899769

Ion Ratio Lower Upper

105 100

120 49.7 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.845 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

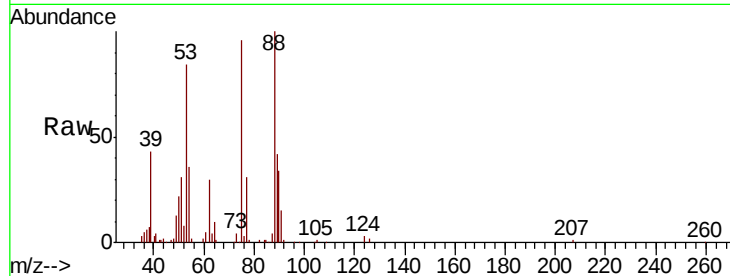
Tgt Ion: 75 Resp: 83430

Ion Ratio Lower Upper

75 100

53 88.2 70.6 106.0

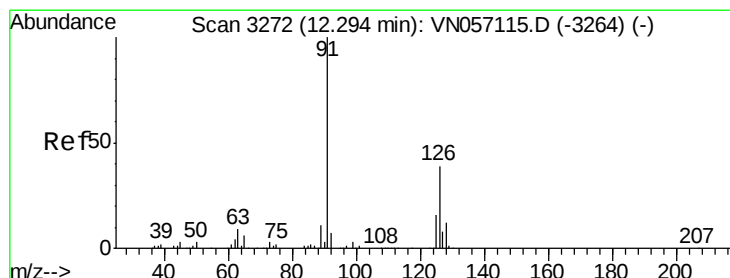
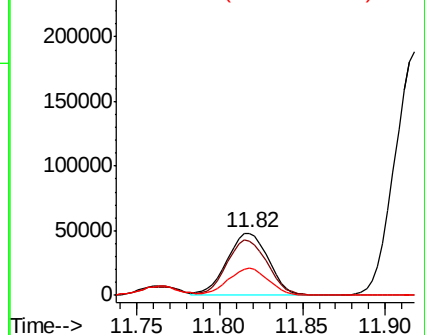
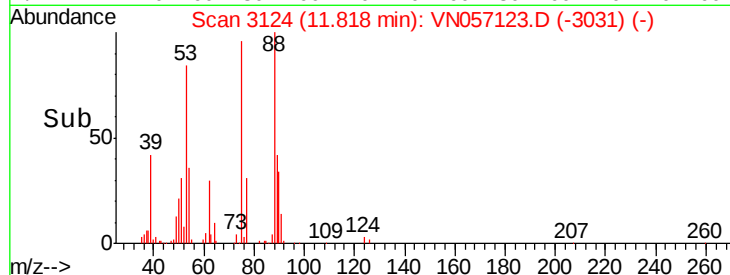
89 42.6 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.284 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN057123.D

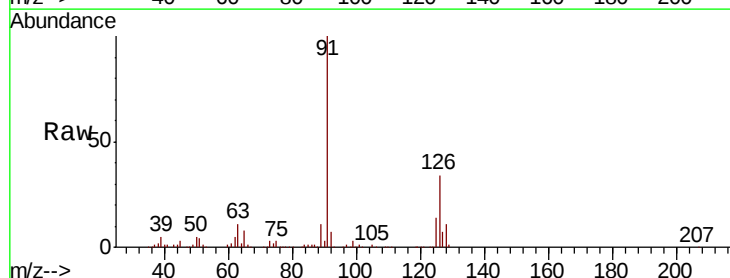
Acq: 8 Aug 2019 11:32

Tgt Ion: 91 Resp: 632713

Ion Ratio Lower Upper

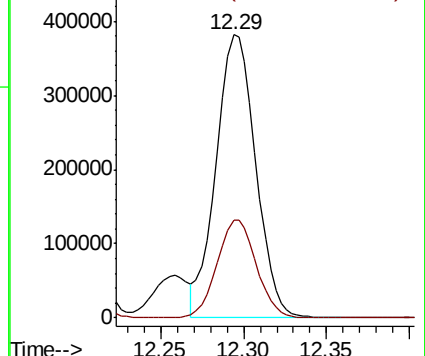
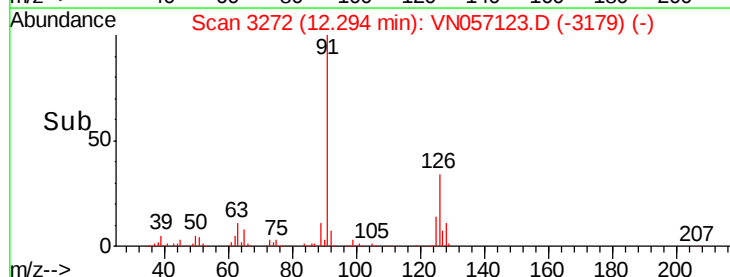
91 100

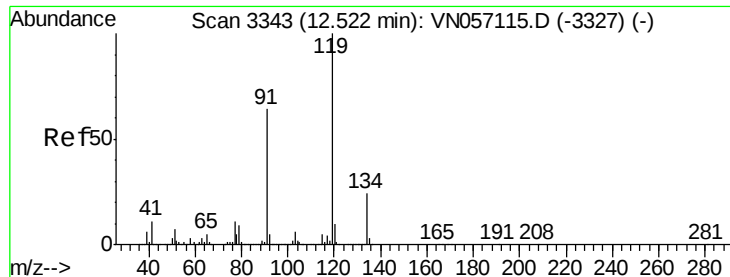
126 34.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

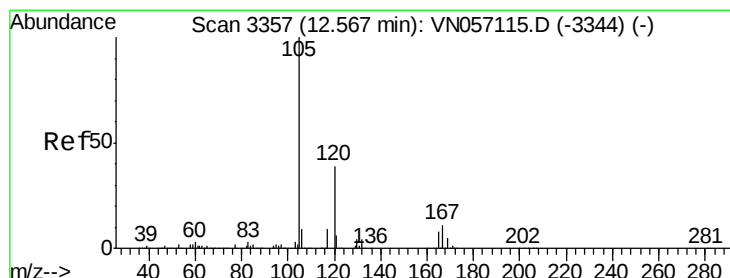
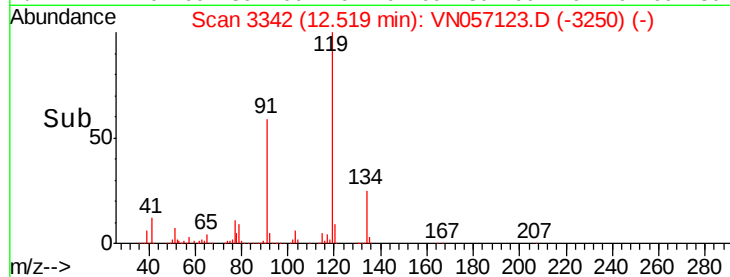
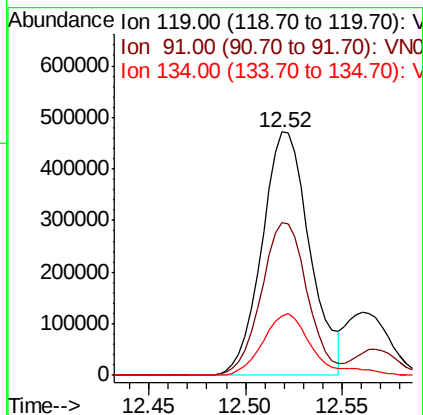
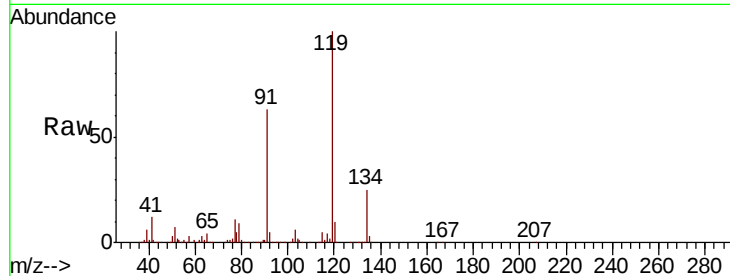




#83
 tert-Butylbenzene
 Concen: 22.627 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

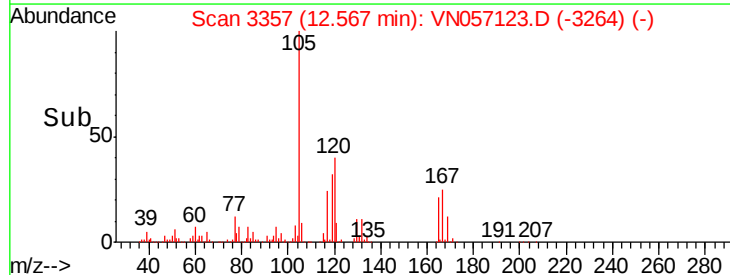
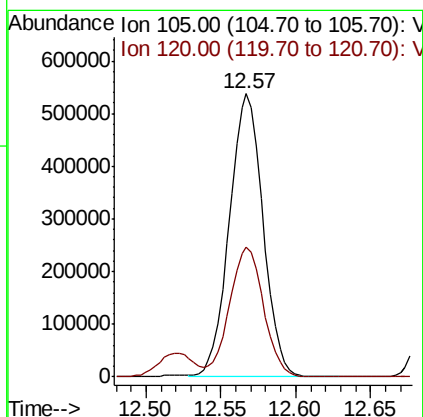
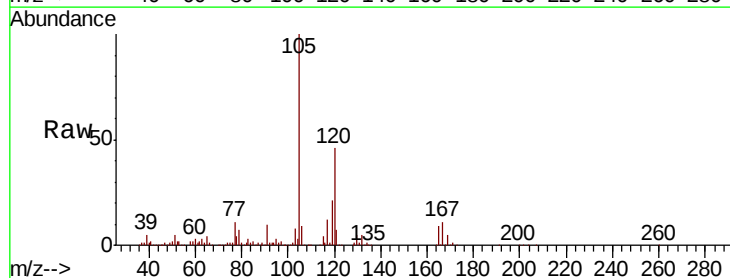
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

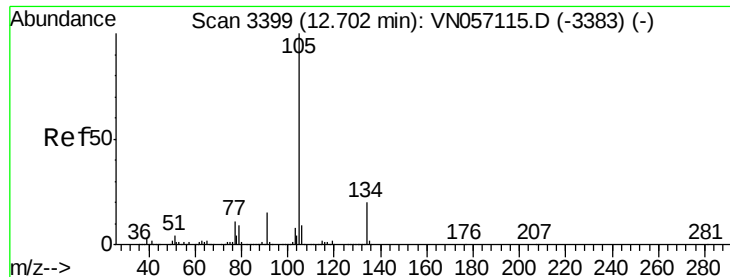
Tgt Ion:119 Resp: 812376
 Ion Ratio Lower Upper
 119 100
 91 60.3 31.4 94.2
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.012 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion:105 Resp: 838599
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.955 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

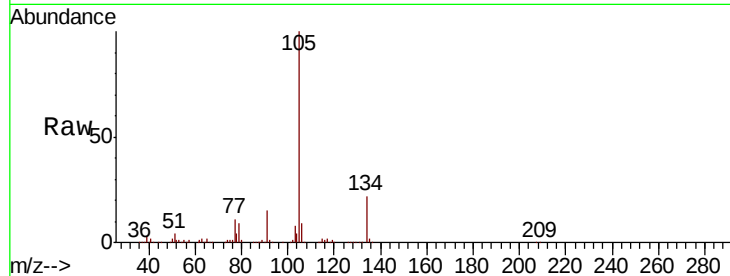
VN0808WBSD01

Tgt Ion:105 Resp: 976300

Ion Ratio Lower Upper

105 100

134 21.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.70

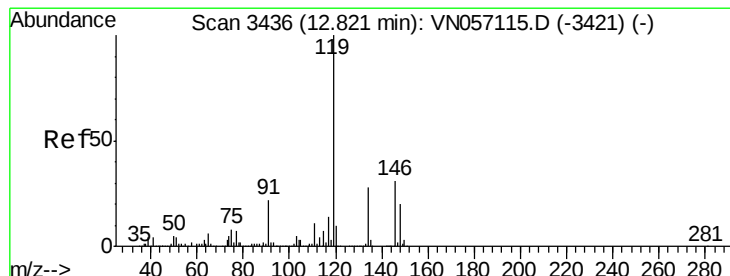
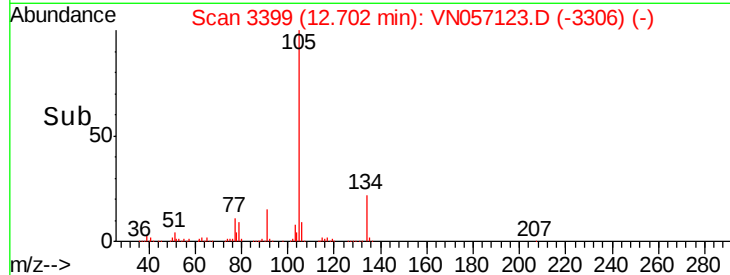
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.951 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

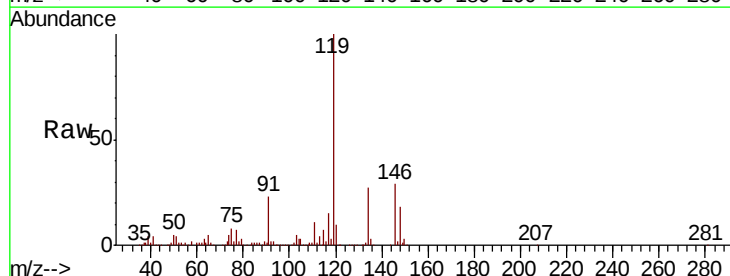
Tgt Ion:119 Resp: 856513

Ion Ratio Lower Upper

119 100

134 27.0 13.8 41.3

91 22.3 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.82

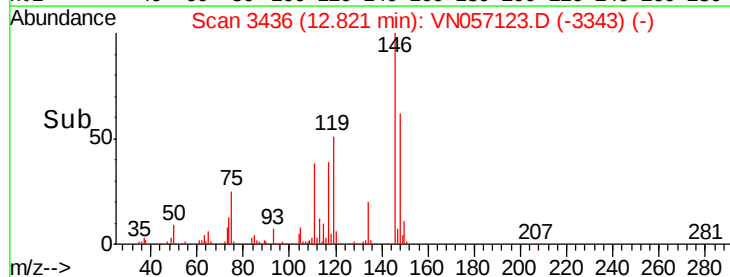
600000

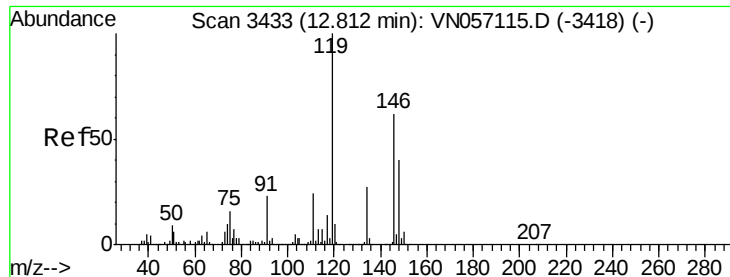
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.386 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

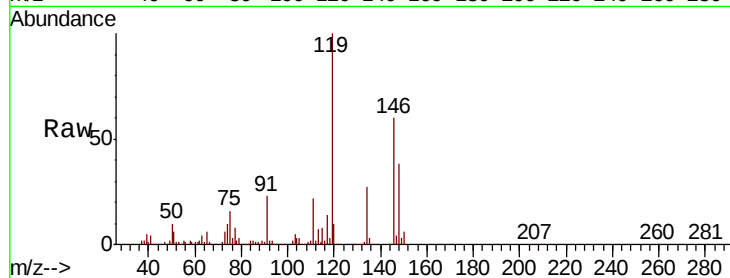
Tgt Ion:146 Resp: 391734

Ion Ratio Lower Upper

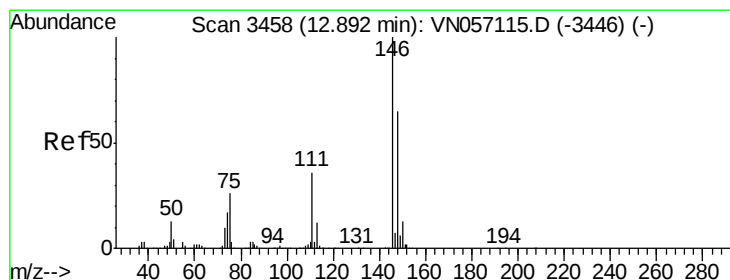
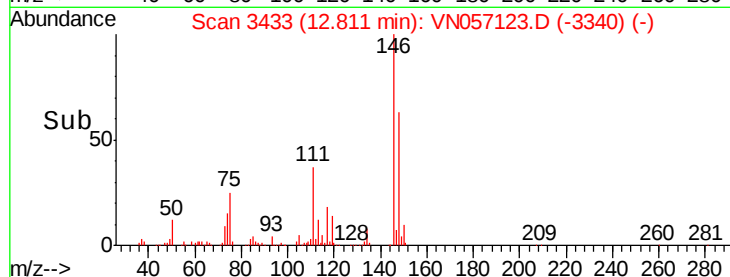
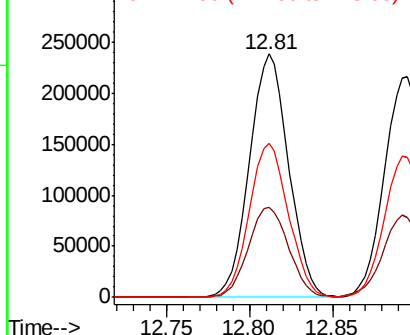
146 100

111 38.0 18.8 56.4

148 63.1 32.4 97.0



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



#88

1,4-Dichlorobenzene

Concen: 19.811 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

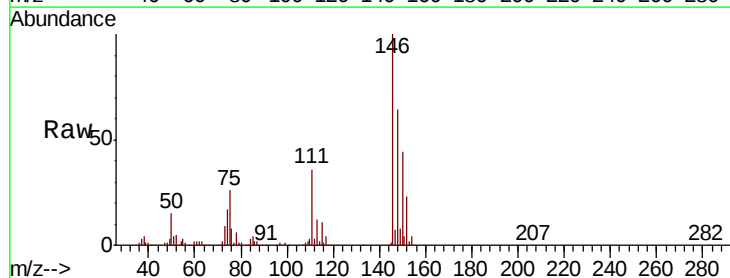
Tgt Ion:146 Resp: 360684

Ion Ratio Lower Upper

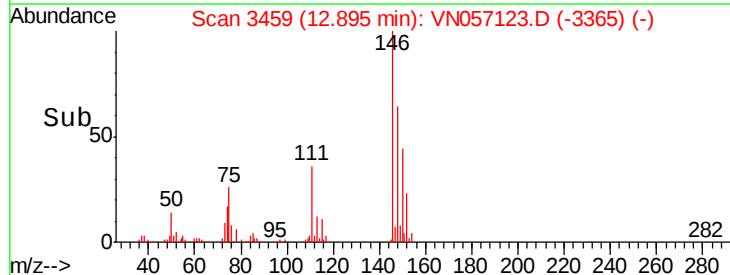
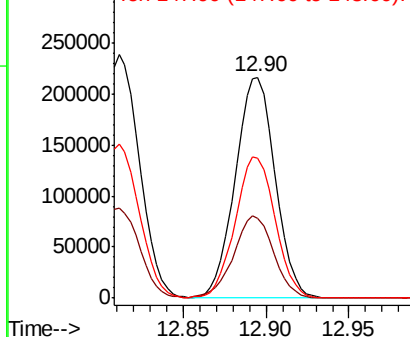
146 100

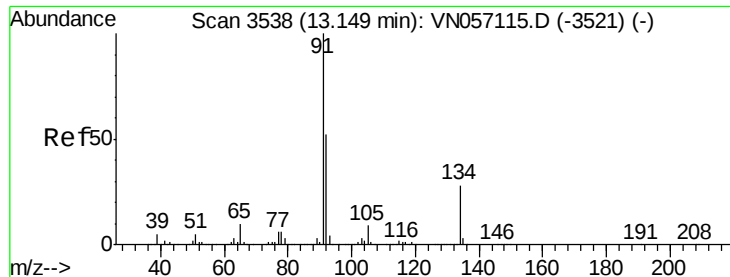
111 37.5 18.2 54.6

148 64.5 32.0 96.2



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





#89

n-Butylbenzene

Concen: 20.452 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

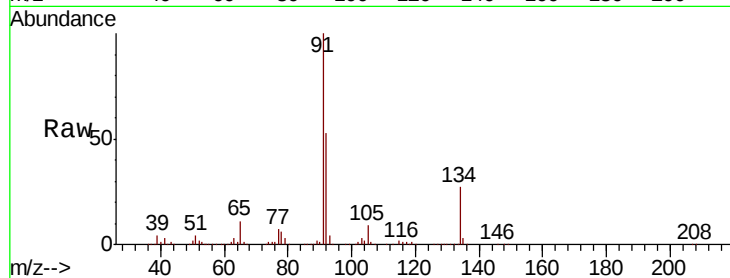
Tgt Ion: 91 Resp: 606610

Ion Ratio Lower Upper

91 100

92 53.1 26.5 79.4

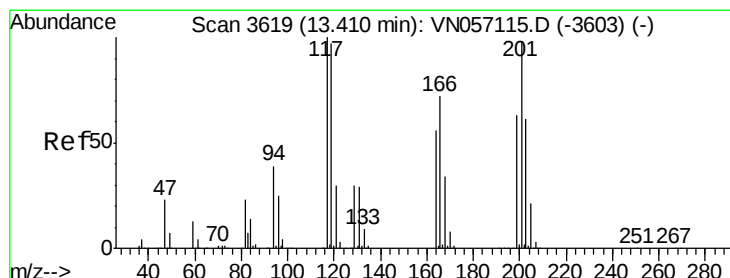
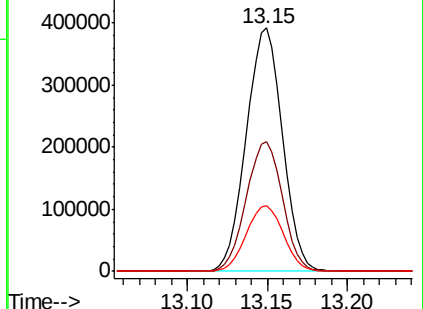
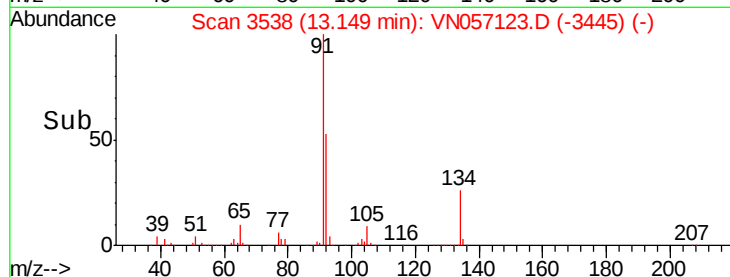
134 27.6 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057115.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057115.D (-3521) (-)



#90

Hexachloroethane

Concen: 22.310 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057123.D

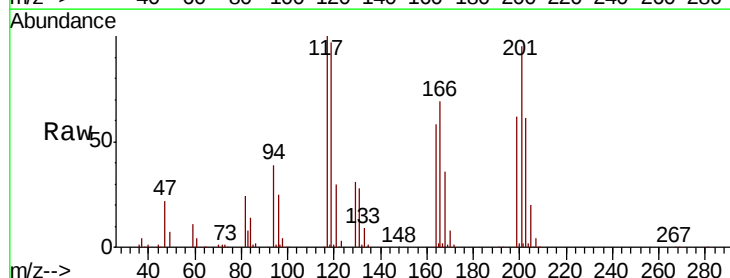
Acq: 8 Aug 2019 11:32

Tgt Ion: 117 Resp: 155883

Ion Ratio Lower Upper

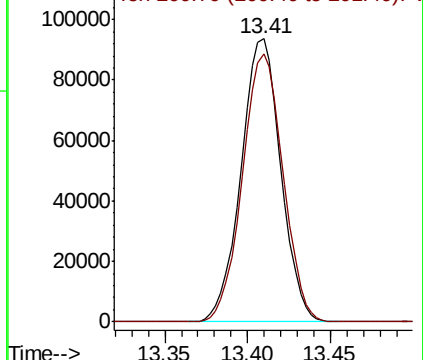
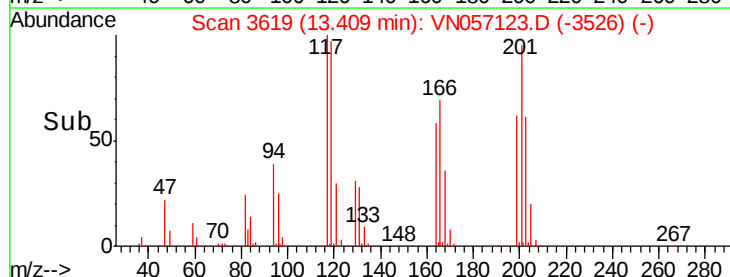
117 100

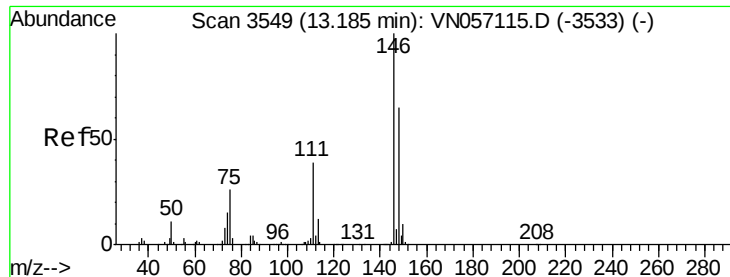
201 96.5 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057115.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057115.D (-3603) (-)

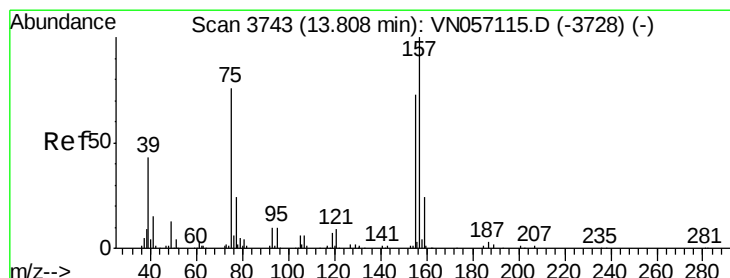
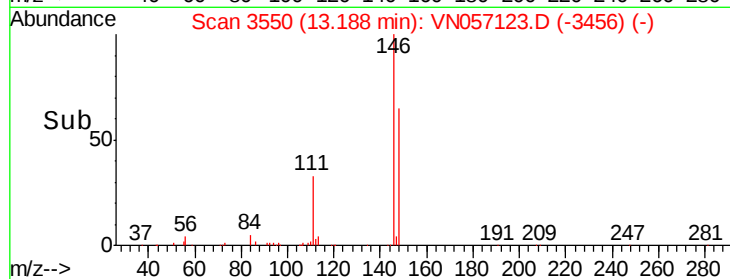
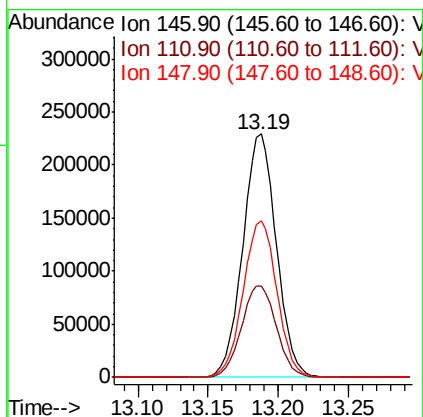
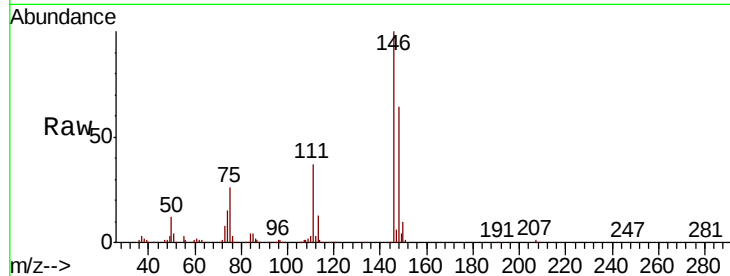




#91
 1,2-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

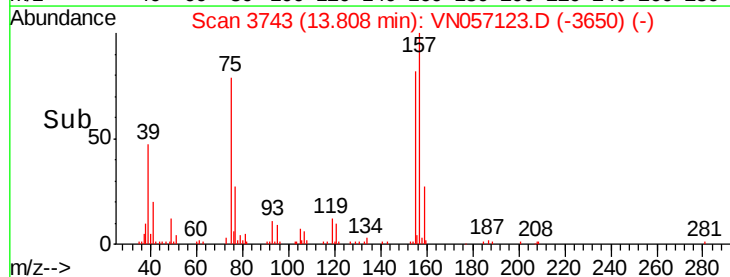
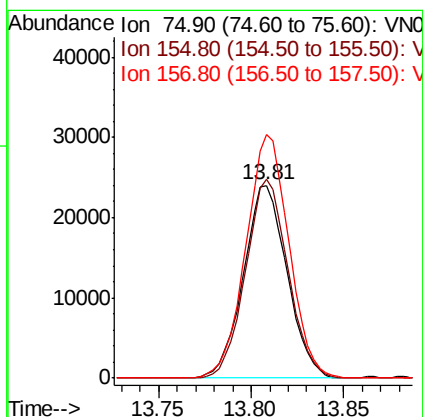
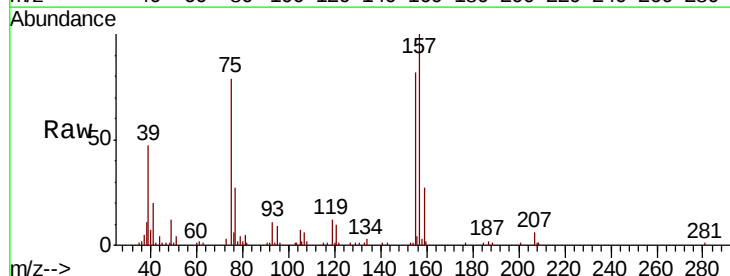
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

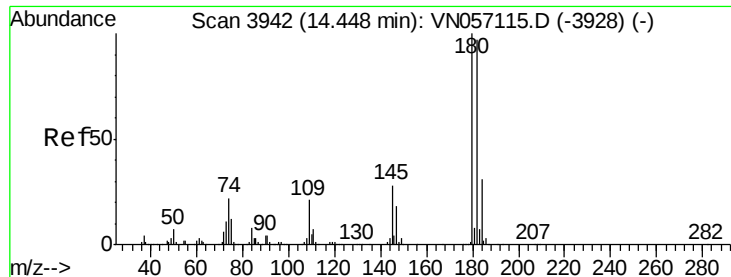
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.2	57.6
148	64.9	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.860 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	49.3	147.9
157	124.9	65.3	195.8

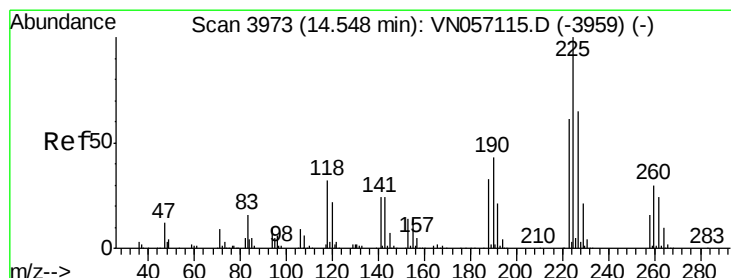
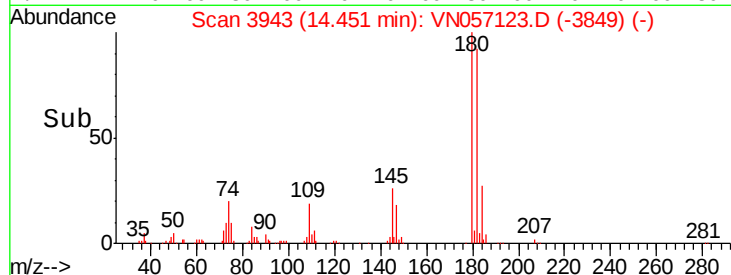
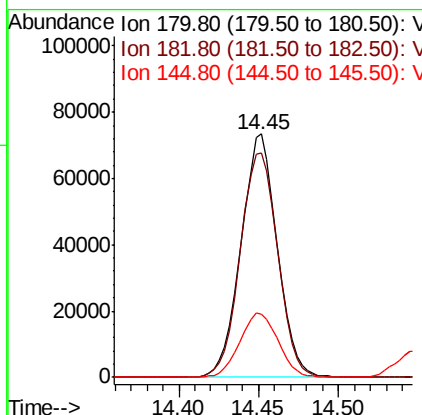
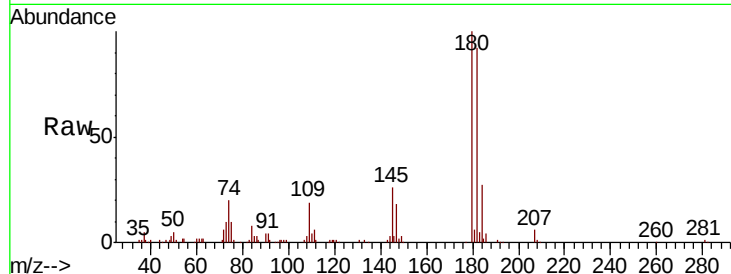




#93
 1,2,4-Trichlorobenzene
 Concen: 18.211 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

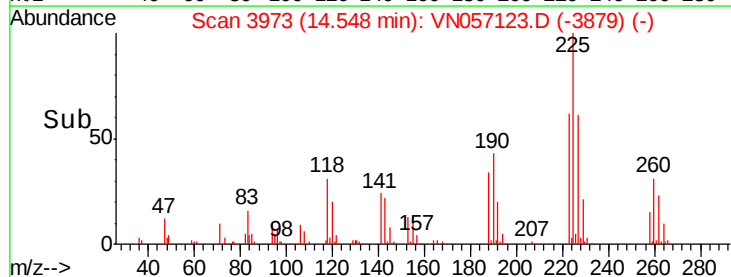
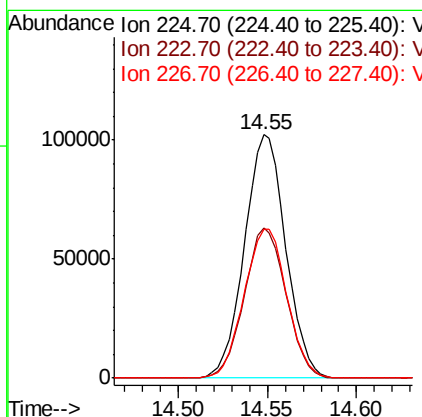
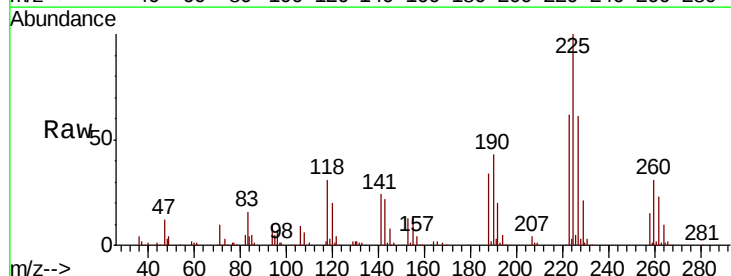
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

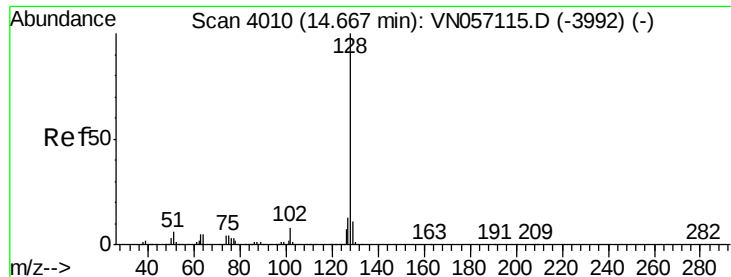
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	28.1	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 22.545 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.8
227	63.4	32.4	97.0





#95

Naphthalene

Concen: 17.995 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

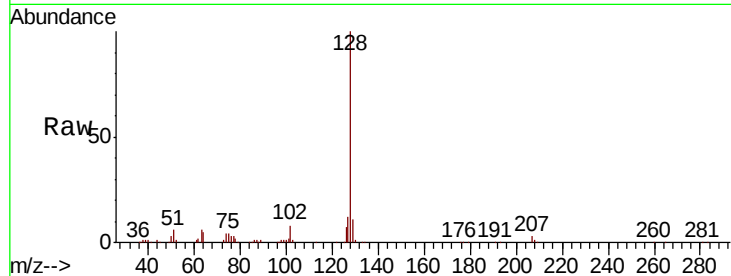
Tgt Ion:128 Resp: 233075

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

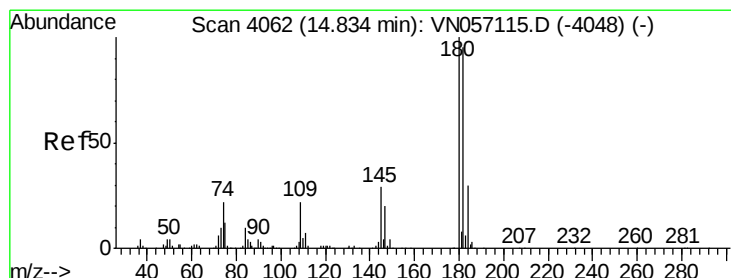
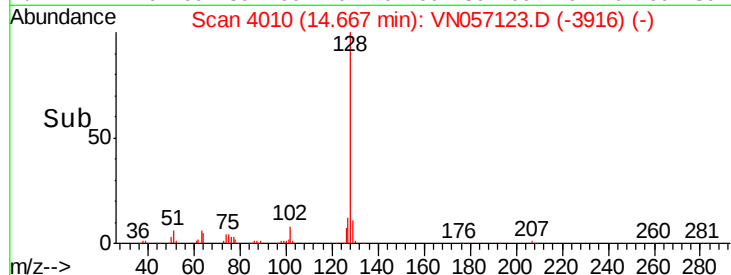
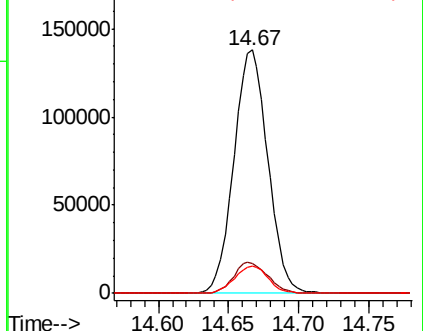
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.058 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

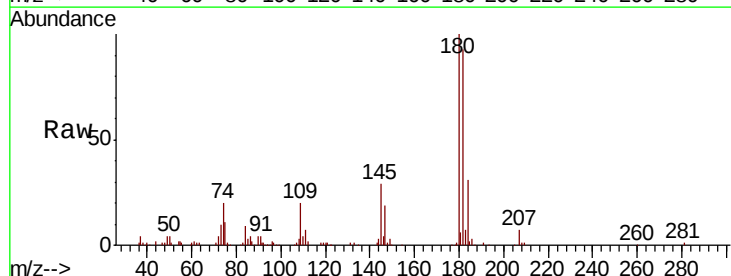
Tgt Ion:180 Resp: 126759

Ion Ratio Lower Upper

180 100

182 91.6 48.3 144.8

145 29.5 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

