

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057160.D
 Acq On : 9 Aug 2019 20:48
 Operator : JC/SP
 Sample : K4262-08MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R 080819MSD

Quant Time: Aug 10 02:16:13 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	1106926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1630415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1464226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	593622	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	558343	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	6.99	113	510956	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	9.56	98	1938735	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.92	95	648770	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	376771	42.349	ug/l	99
3) Chloromethane	2.00	50	469457	39.714	ug/l	100
4) Vinyl Chloride	2.11	62	487477	44.366	ug/l	99
5) Bromomethane	2.43	94	337644	45.226	ug/l	99
6) Chloroethane	2.55	64	318770	45.231	ug/l	99
7) Trichlorofluoromethane	2.83	101	721812	45.703	ug/l	100
8) Diethyl Ether	3.14	74	285501	46.788	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	431459	45.064	ug/l	99
10) Methyl Iodide	3.63	142	655065	45.276	ug/l	99
11) Tert butyl alcohol	4.23	59	311508	192.291	ug/l	99
12) 1,1-Dichloroethene	3.43	96	437340	46.432	ug/l	98
13) Acrolein	3.31	56	179725	175.370	ug/l	96
14) Allyl chloride	3.91	41	678657	49.580	ug/l	95
15) Acrylonitrile	4.44	53	1017487	232.072	ug/l	97
16) Acetone	3.47	43	760948	221.337	ug/l	98
17) Carbon Disulfide	3.72	76	1146886	45.770	ug/l	99
18) Methyl Acetate	3.89	43	444549	43.311	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1377361	48.438	ug/l	97
20) Methylene Chloride	4.10	84	504658	44.478	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	473820	46.180	ug/l	97
22) Diisopropyl ether	5.32	45	1399980	46.890	ug/l	97
23) Vinyl Acetate	5.26	43	5023899	219.738	ug/l	100
24) 1,1-Dichloroethane	5.25	63	853414	46.498	ug/l	98
25) 2-Butanone	6.20	43	1225182	233.249	ug/l	99
26) 2,2-Dichloropropane	6.21	77	575159	43.073	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	552781	47.028	ug/l	99
28) Bromochloromethane	6.59	49	424663	50.302	ug/l	100
29) Tetrahydrofuran	6.60	42	822305	232.393	ug/l	99
30) Chloroform	6.76	83	871867	45.896	ug/l	98
31) Cyclohexane	7.07	56	711479	43.087	ug/l	98
32) 1,1,1-Trichloroethane	6.98	97	764582	47.979	ug/l	99
36) 1,1-Dichloropropene	7.20	75	650908	48.488	ug/l	99
37) Ethyl Acetate	6.28	43	477635	43.161	ug/l #	99
38) Carbon Tetrachloride	7.19	117	674683	48.226	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	736618	45.123	ug/l	99
40) Benzene	7.46	78	1983887	46.683	ug/l	98
41) Methacrylonitrile	6.55	41	270349	48.096	ug/l	99
42) 1,2-Dichloroethane	7.54	62	640225	47.238	ug/l	99
43) Isopropyl Acetate	7.56	43	845267	44.760	ug/l	99
44) Trichloroethene	8.27	130	563448	47.325	ug/l	99
45) 1,2-Dichloropropane	8.56	63	526613	47.858	ug/l	98
46) Dibromomethane	8.65	93	341950	48.467	ug/l	100
47) Bromodichloromethane	8.85	83	683763	50.087	ug/l	98
48) Methyl methacrylate	8.63	41	416883	46.815	ug/l	98
49) 1,4-Dioxane	8.64	88	155621	858.064	ug/l	95
51) 4-Methyl-2-Pentanone	9.45	43	2612663	237.718	ug/l	100
52) Toluene	9.63	92	1261182	47.811	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	714180	50.077	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	790241	48.289	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	493852	47.609	ug/l	100
56) Ethyl methacrylate	9.90	69	709412	48.844	ug/l	99
57) 1,3-Dichloropropane	10.19	76	806066	47.121	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.17	63	645	13.221	ug/l #	47
59) 2-Hexanone	10.24	43	1805609	242.743	ug/l	100
60) Dibromochloromethane	10.39	129	561118	51.506	ug/l	100
61) 1,2-Dibromoethane	10.50	107	511755	47.809	ug/l	99
64) Tetrachloroethene	10.11	164	559691	45.962	ug/l	98
65) Chlorobenzene	10.93	112	1382206	46.916	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	534113	48.492	ug/l	100
67) Ethyl Benzene	11.01	91	2396245	47.258	ug/l	98
68) m/p-Xylenes	11.13	106	1795408	96.112	ug/l	99
69) o-Xylene	11.46	106	883059	47.498	ug/l	100
70) Styrene	11.47	104	1281620	44.135	ug/l	99
71) Bromoform	11.64	173	423052	52.434	ug/l #	99
73) Isopropylbenzene	11.76	105	2368484	48.930	ug/l	100
74) N-amyl acetate	11.58	43	643535	42.780	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.02	83	668873	51.823	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	785966	68.964	ug/l #	100
77) Bromobenzene	12.04	156	619895	43.446	ug/l	98
78) n-propylbenzene	12.11	91	2493887	43.791	ug/l	100
79) 2-Chlorotoluene	12.19	91	1535181	48.316	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	1975964	43.116	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	184863	45.789	ug/l	97
82) 4-Chlorotoluene	12.30	91	1458410	44.228	ug/l	99
83) tert-Butylbenzene	12.52	119	1730089	47.796	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1876217	42.355	ug/l	100
85) sec-Butylbenzene	12.70	105	2191507	42.373	ug/l	98
86) p-Isopropyltoluene	12.82	119	1944774	42.853	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	949856	46.760	ug/l	100
88) 1,4-Dichlorobenzene	12.90	146	895944	46.551	ug/l	99
89) n-Butylbenzene	13.15	91	1382564	44.095	ug/l	99
90) Hexachloroethane	13.41	117	361055	50.050	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	956133	47.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	96406	46.199	ug/l	98

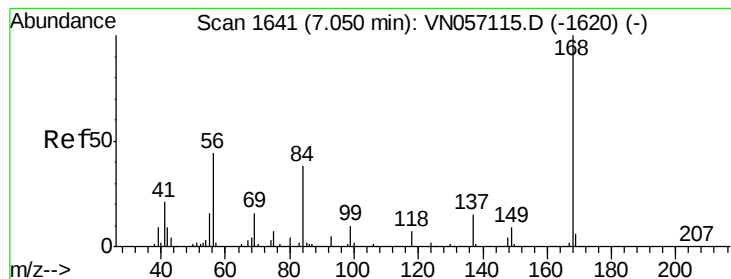
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	386744	45.552	ug/l	99
94) Hexachlorobutadiene	14.55	225	364936	51.677	ug/l	99
95) Naphthalene	14.67	128	733637	43.866	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	373555	42.900	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

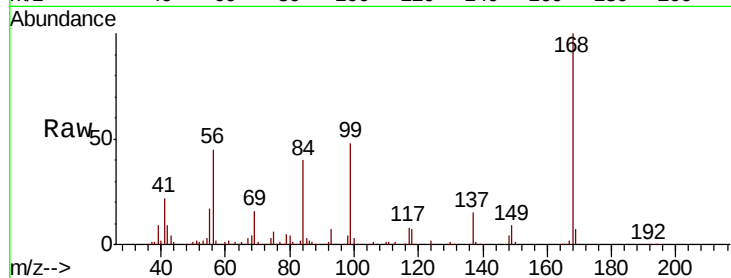
MW-4R_080819MSD

Tgt Ion:168 Resp: 1106926

Ion Ratio Lower Upper

168 100

99 48.1 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

400000

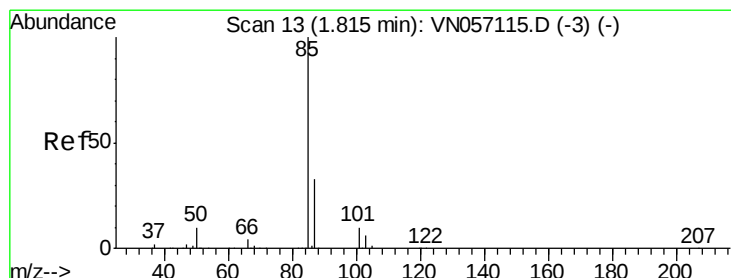
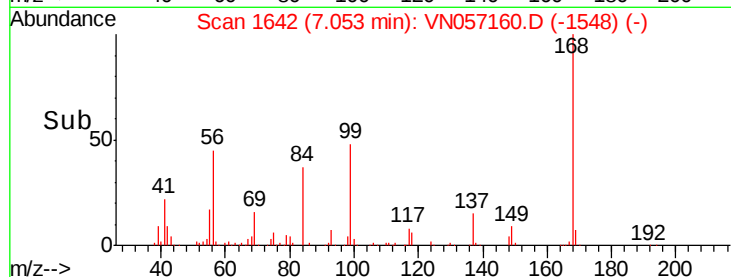
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.349 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057160.D

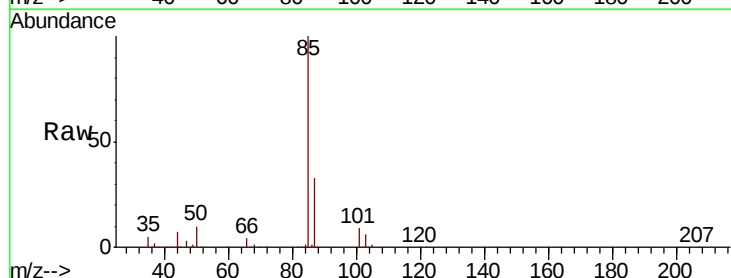
Acq: 9 Aug 2019 20:48

Tgt Ion: 85 Resp: 376771

Ion Ratio Lower Upper

85 100

87 32.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN057115.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VN057115.D (-3) (-)

1.82

300000

250000

200000

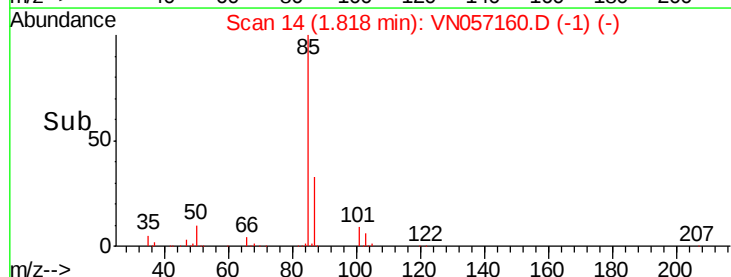
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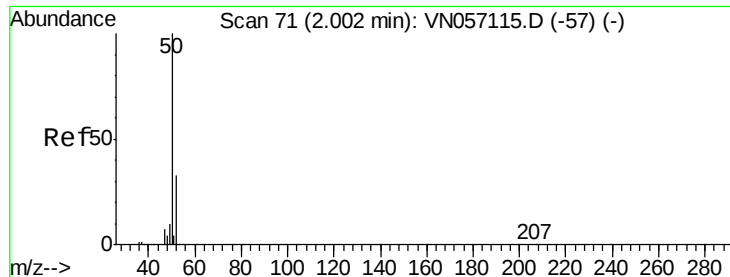
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50000

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Time-->

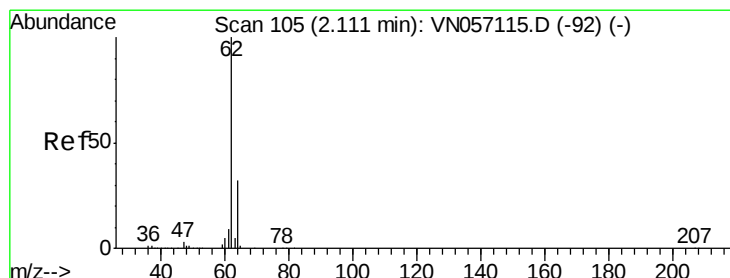
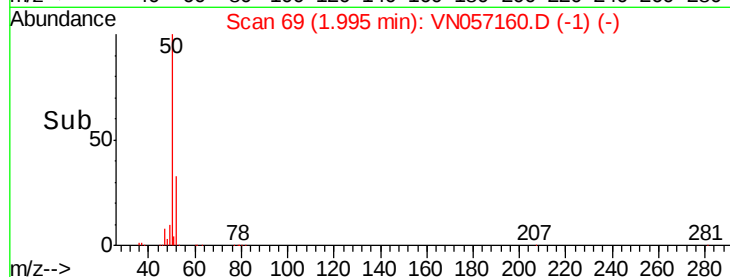
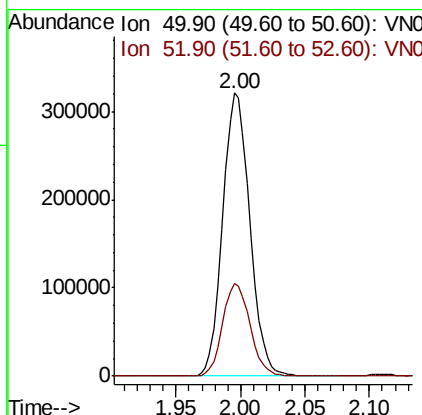
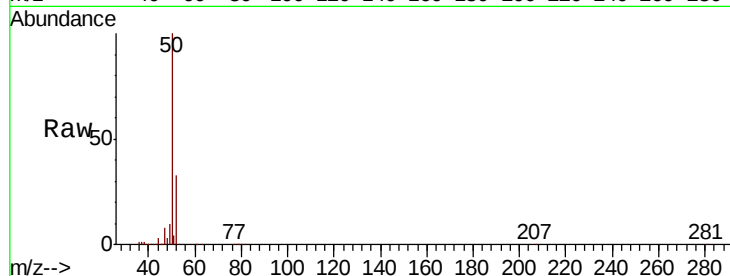




#3
 Chloromethane
 Concen: 39.714 ug/l
 RT: 2.00 min Scan# 69
 Delta R.T. -0.01 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

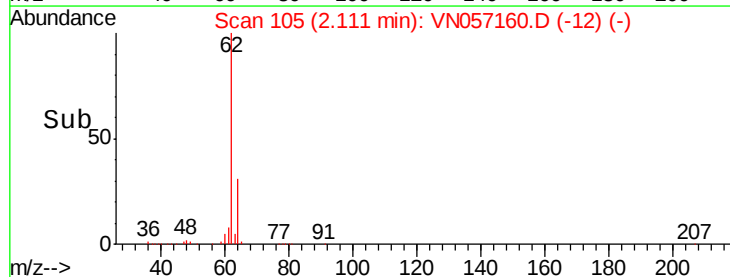
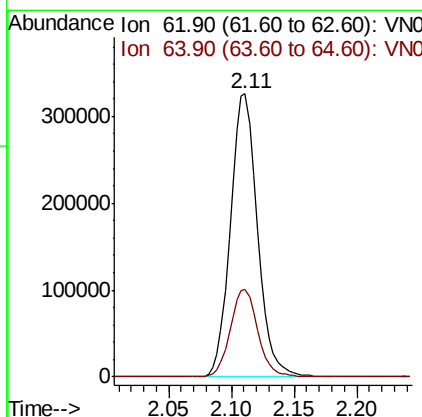
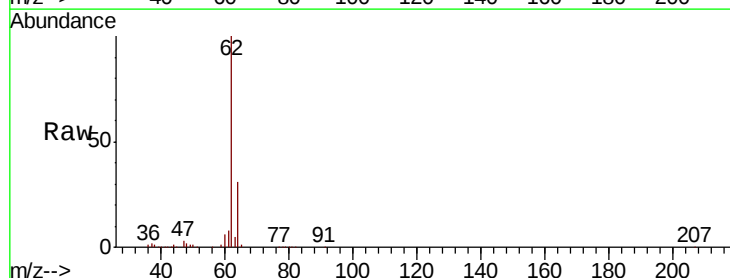
Instrument :
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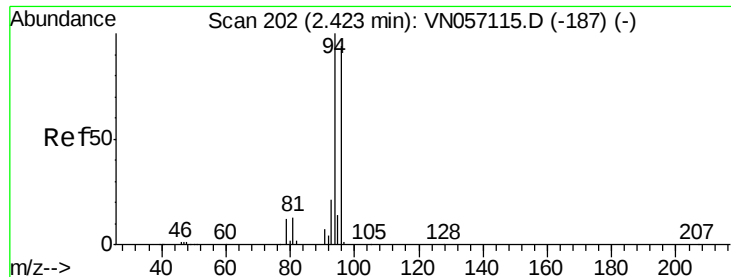
Tgt Ion: 50 Resp: 469457
 Ion Ratio Lower Upper
 50 100
 52 32.6 26.1 39.1



#4
 Vinyl Chloride
 Concen: 44.366 ug/l
 RT: 2.11 min Scan# 105
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 62 Resp: 487477
 Ion Ratio Lower Upper
 62 100
 64 31.0 25.4 38.0

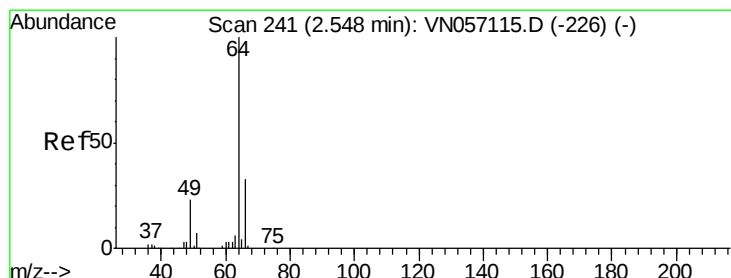
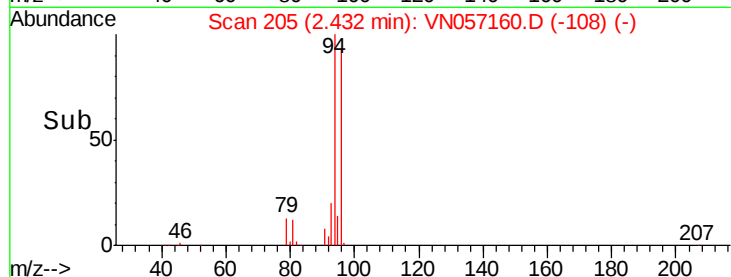
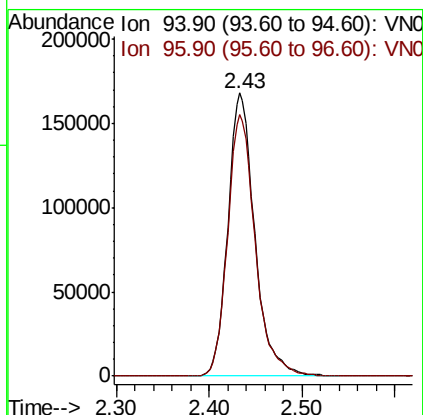
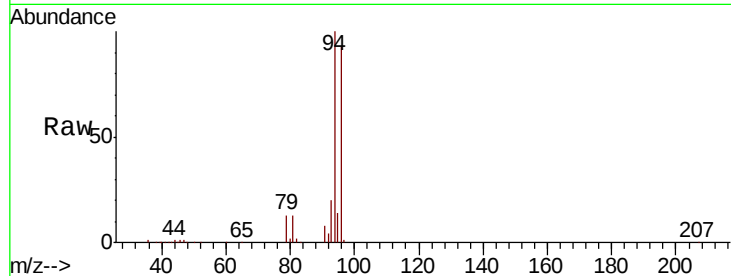




#5
 Bromomethane
 Concen: 45.226 ug/l
 RT: 2.43 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

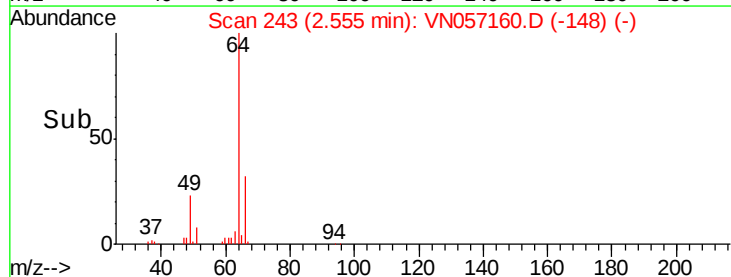
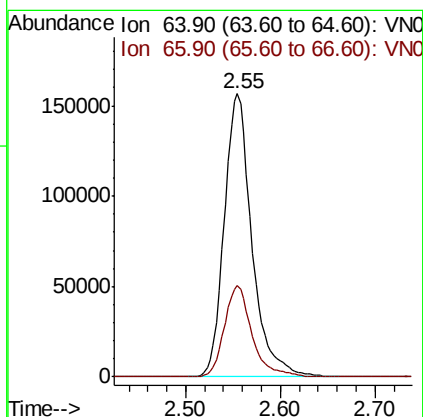
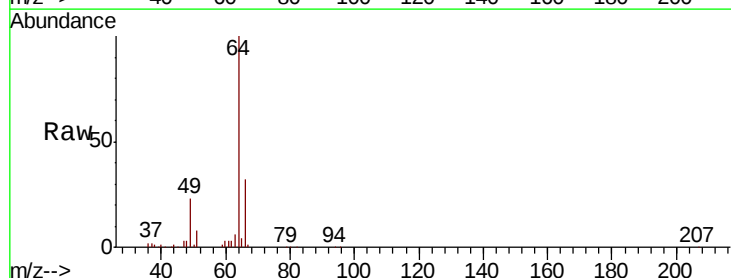
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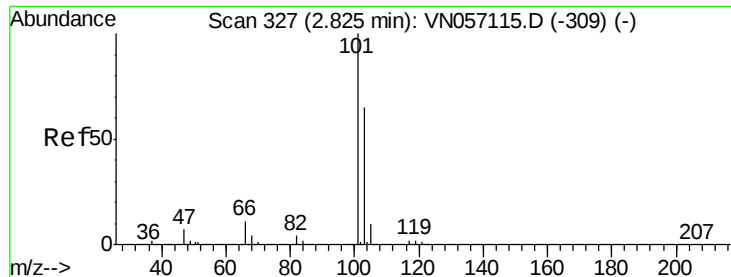
Tgt Ion: 94 Resp: 337644
 Ion Ratio Lower Upper
 94 100
 96 92.5 75.0 112.4



#6
 Chloroethane
 Concen: 45.231 ug/l
 RT: 2.55 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 64 Resp: 318770
 Ion Ratio Lower Upper
 64 100
 66 32.1 26.2 39.4



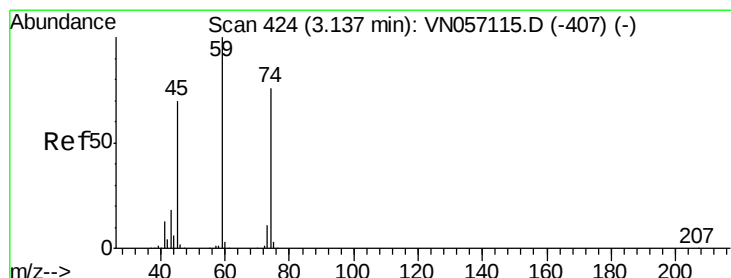
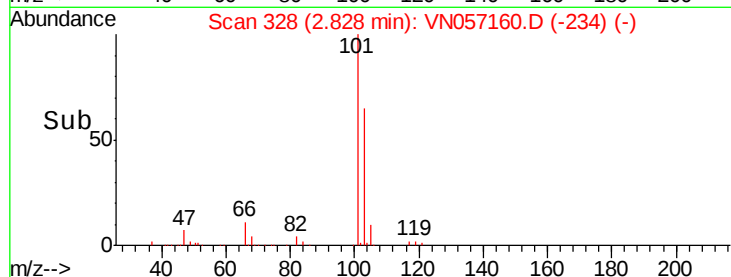
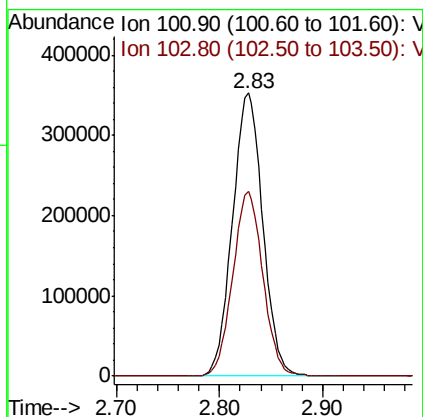
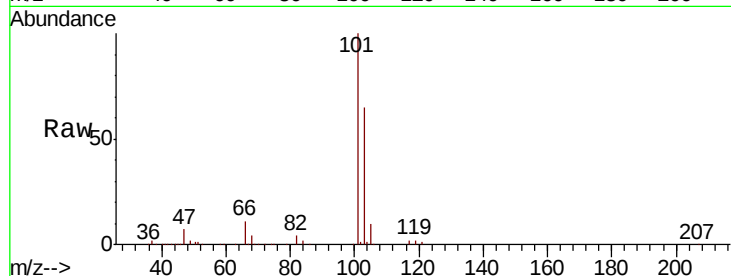


#7

Trichlorofluoromethane
Concen: 45.703 ug/l
RT: 2.83 min Scan# 328
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

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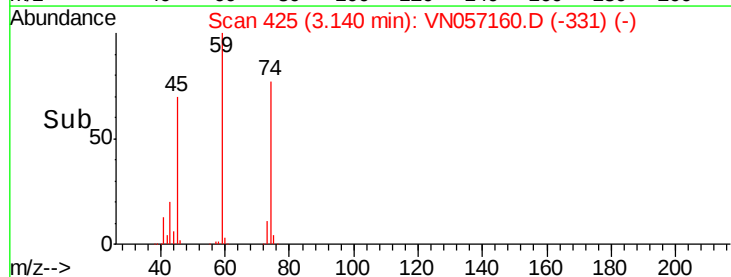
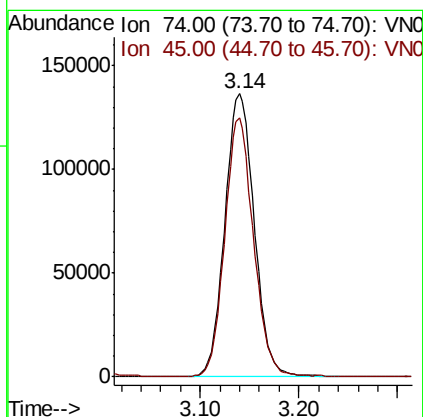
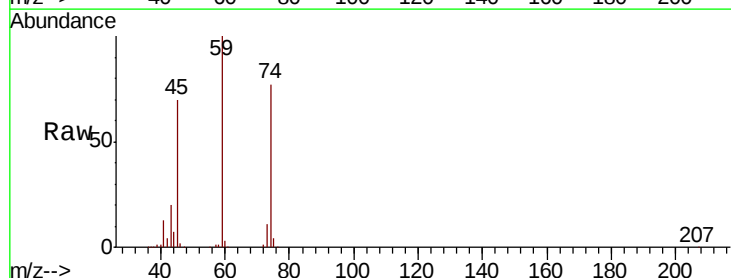
Tgt Ion: 101 Resp: 721812
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

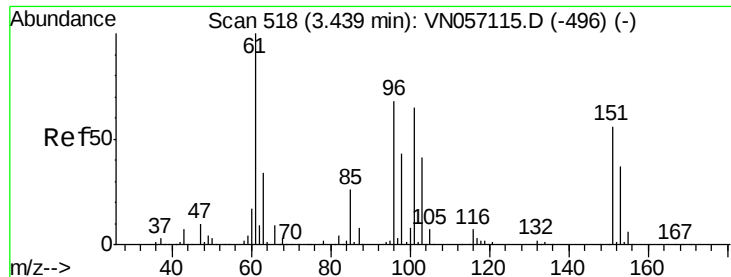


#8

Diethyl Ether
Concen: 46.788 ug/l
RT: 3.14 min Scan# 425
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 74 Resp: 285501
Ion Ratio Lower Upper
74 100
45 89.2 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.064 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MSD

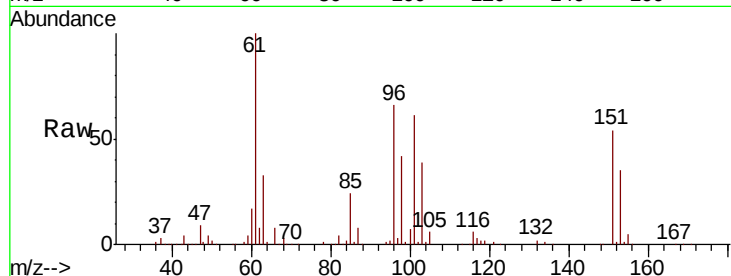
Tgt Ion:101 Resp: 431459

Ion Ratio Lower Upper

101 100

85 39.8 32.3 48.5

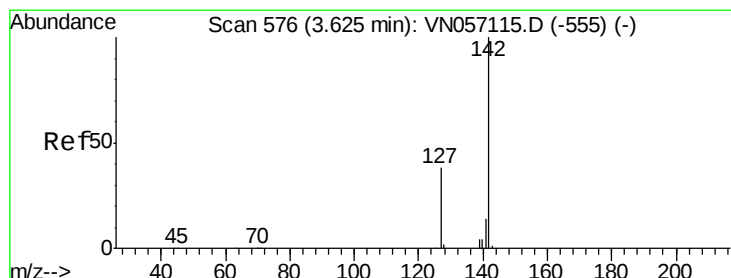
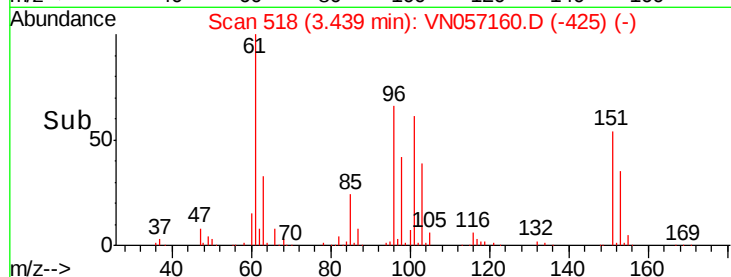
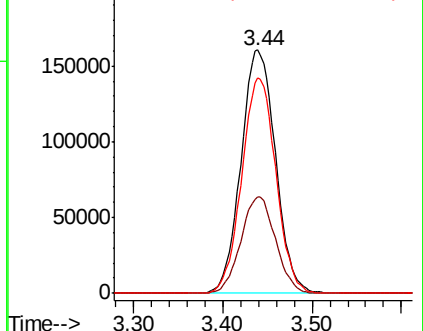
151 87.6 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.276 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

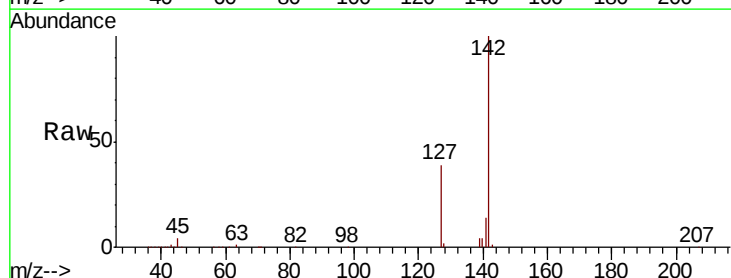
Tgt Ion:142 Resp: 655065

Ion Ratio Lower Upper

142 100

127 39.1 31.0 46.6

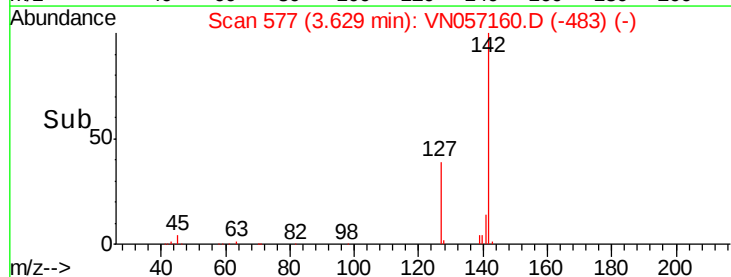
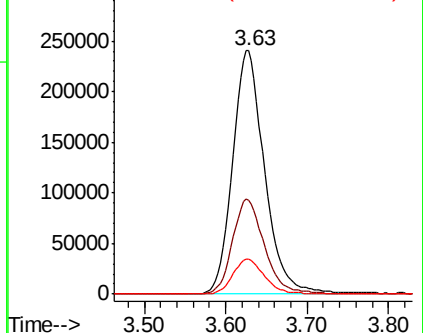
141 14.2 11.2 16.8

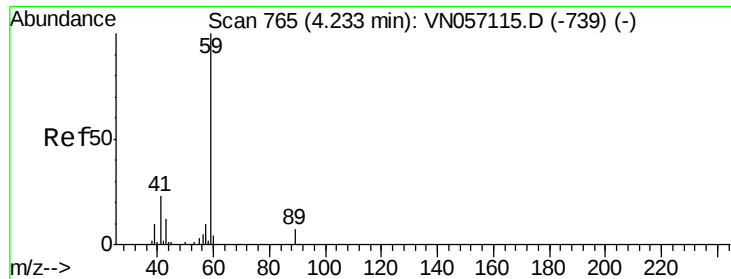


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

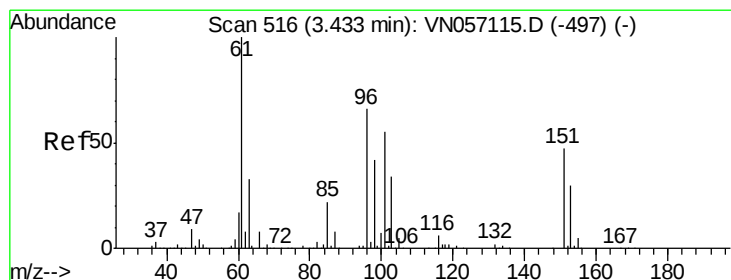
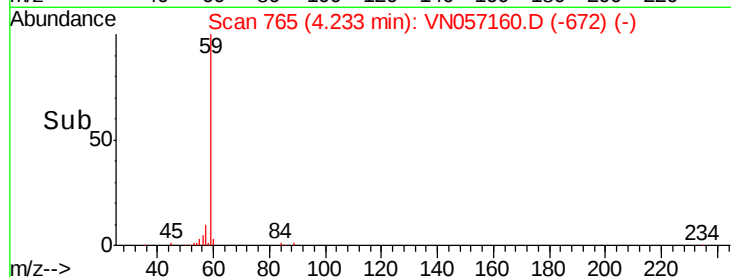
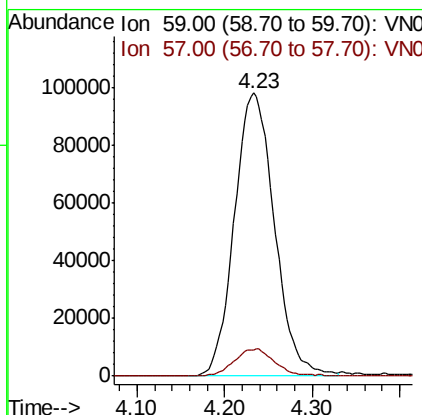
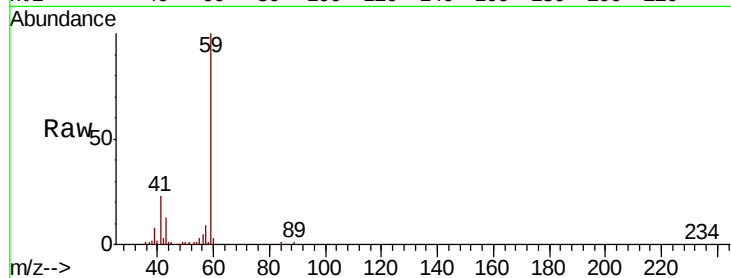




#11
Tert butyl alcohol
Concen: 192.291 ug/l
RT: 4.23 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

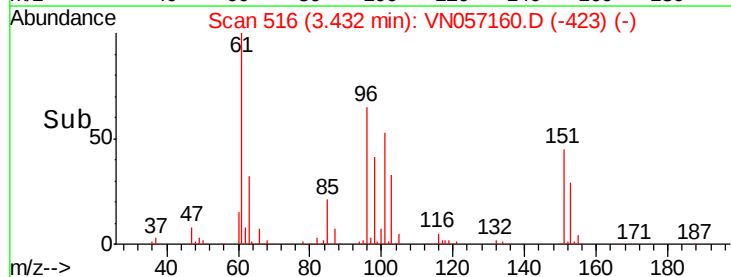
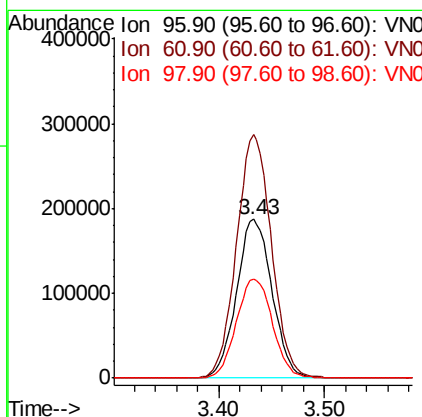
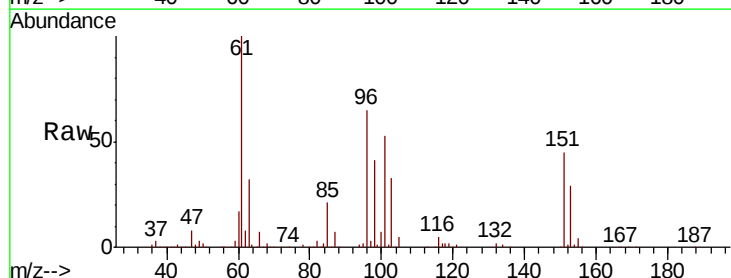
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

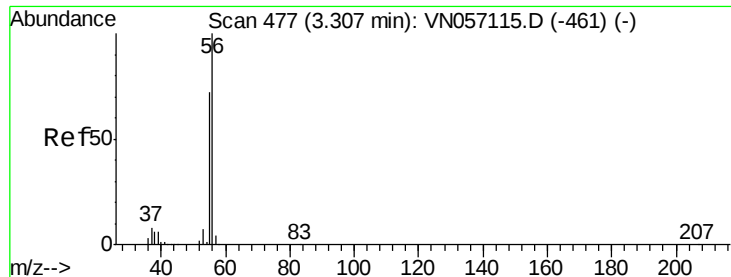
Tgt Ion: 59 Resp: 311508
Ion Ratio Lower Upper
59 100
57 9.7 7.9 11.9



#12
1,1-Dichloroethene
Concen: 46.432 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 96 Resp: 437340
Ion Ratio Lower Upper
96 100
61 153.6 121.0 181.6
98 62.6 50.8 76.2

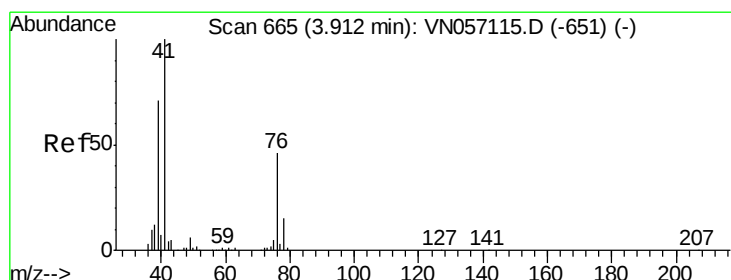
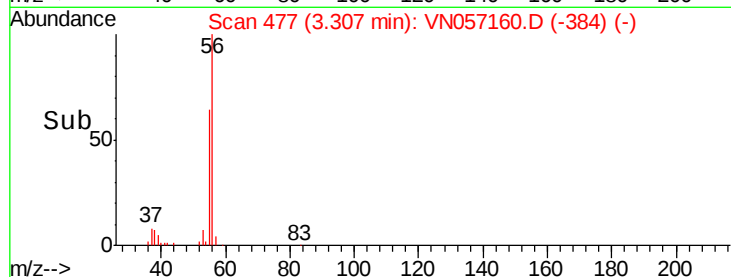
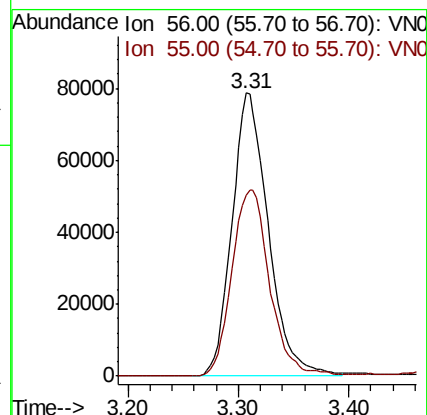
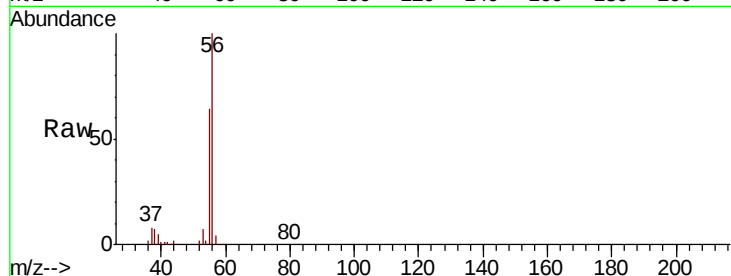




#13
Acrolein
Concen: 175.370 ug/l
RT: 3.31 min Scan# 477
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

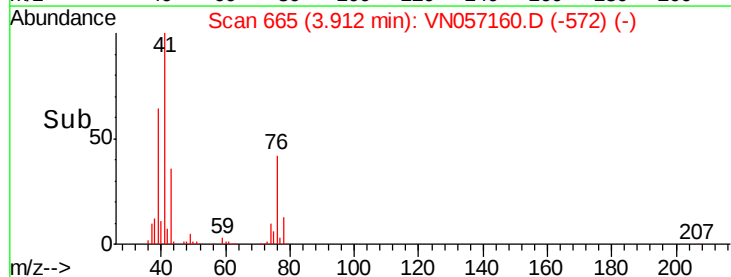
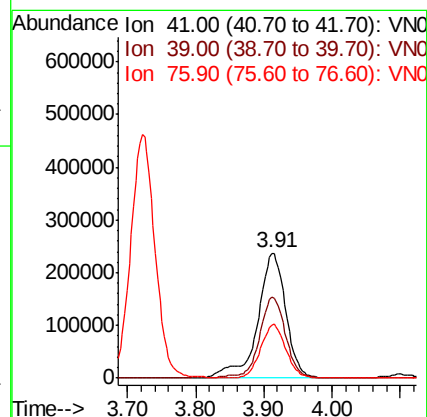
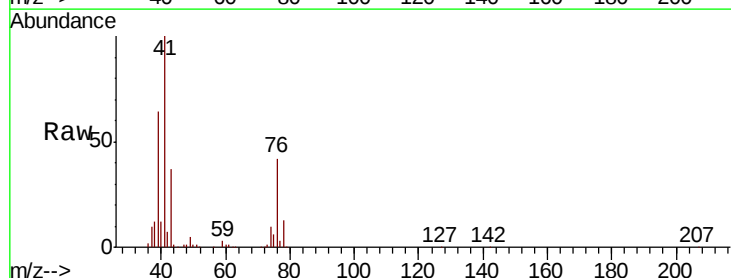
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

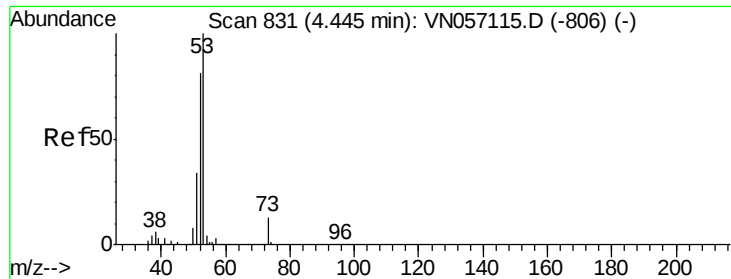
Tgt Ion: 56 Resp: 179725
Ion Ratio Lower Upper
56 100
55 68.4 57.7 86.5



#14
Allyl chloride
Concen: 49.580 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 41 Resp: 678657
Ion Ratio Lower Upper
41 100
39 60.2 51.1 76.7
76 38.1 32.8 49.2





#15

Acrylonitrile

Concen: 232.072 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

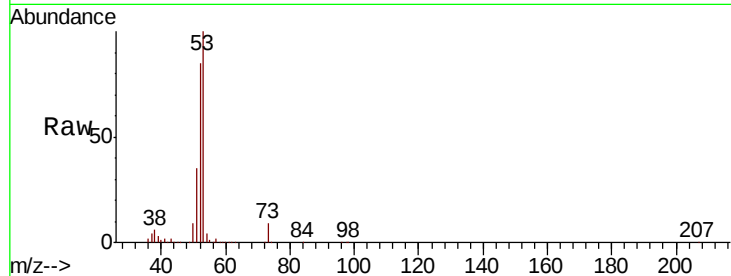
MSVOA_N

ClientSampleId :

MW-4R 080819MSD

Tgt Ion: 53 Resp: 1017487

Ion	Ratio	Lower	Upper
53	100		
52	83.9	64.9	97.3
51	35.6	27.8	41.6

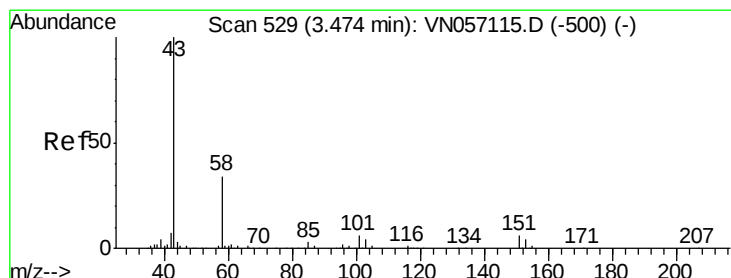
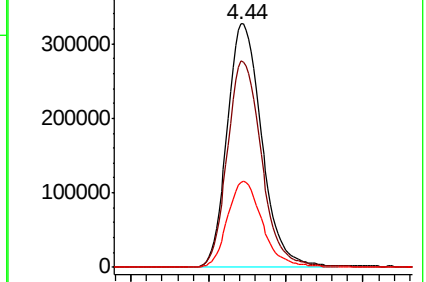
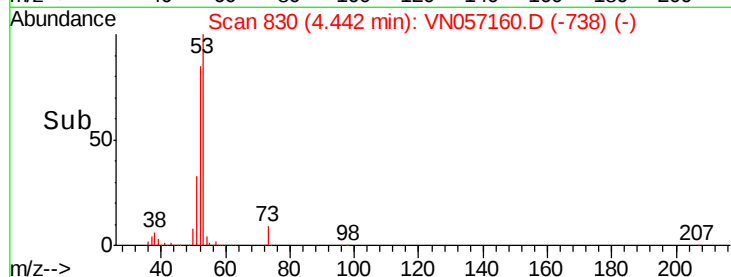


Abundance

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: 221.337 ug/l

RT: 3.47 min Scan# 529

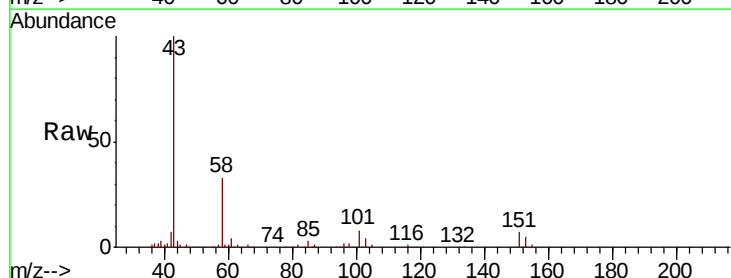
Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Tgt Ion: 43 Resp: 760948

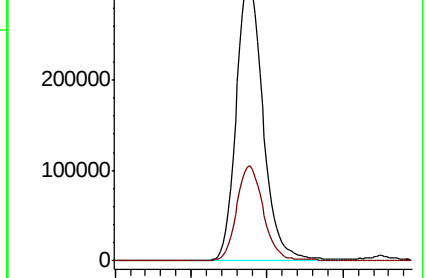
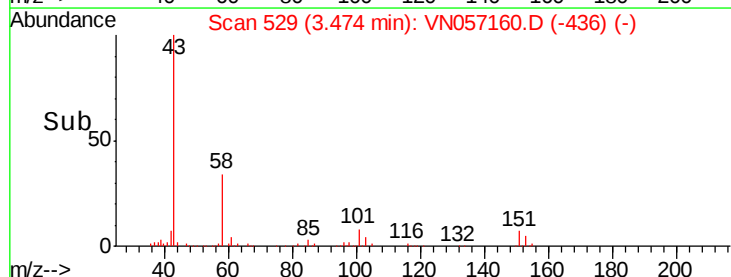
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.4	41.2

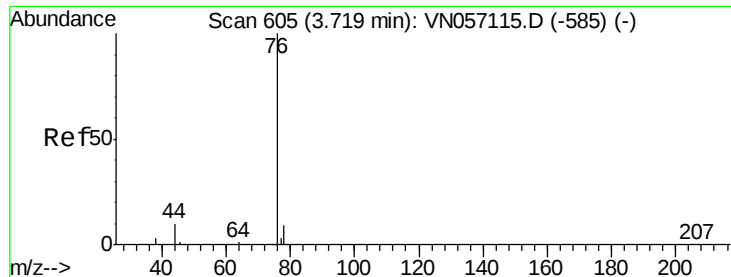


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

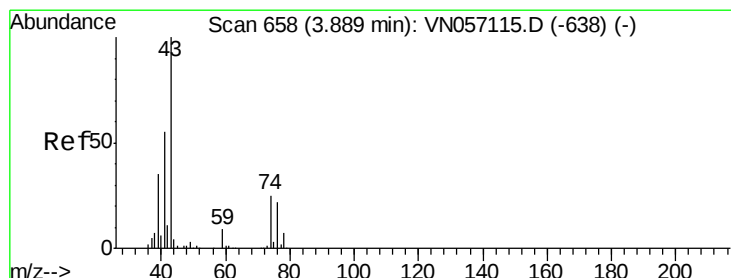
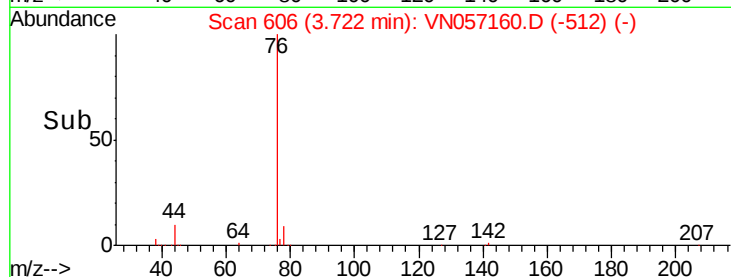
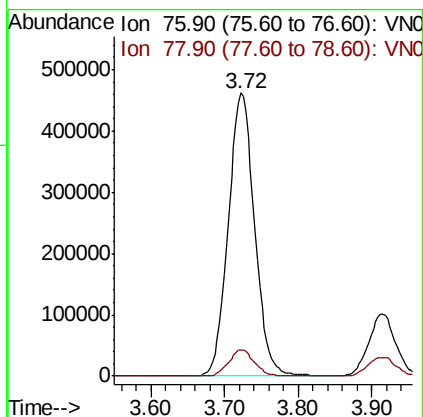
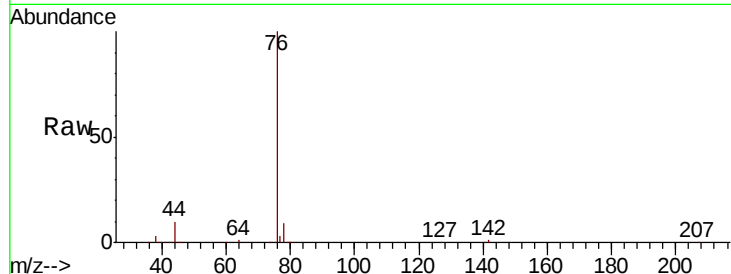




#17
Carbon Disulfide
Concen: 45.770 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

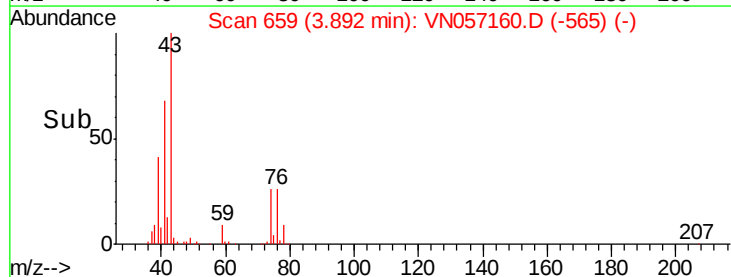
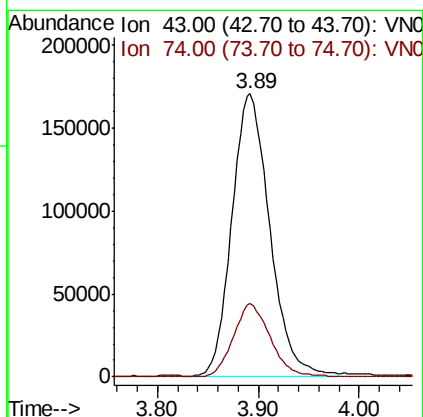
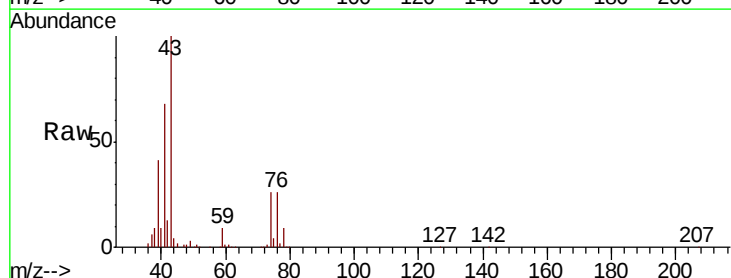
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

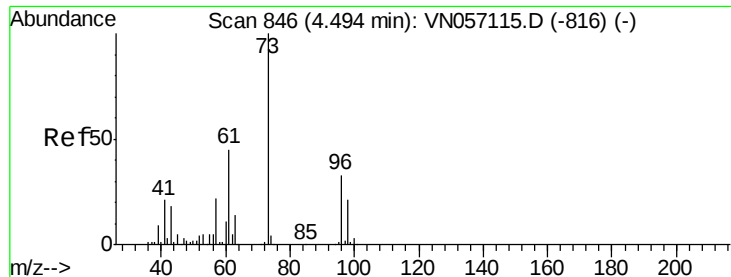
Tgt Ion: 76 Resp: 1146886
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 43.311 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 43 Resp: 444549
Ion Ratio Lower Upper
43 100
74 25.5 20.2 30.4

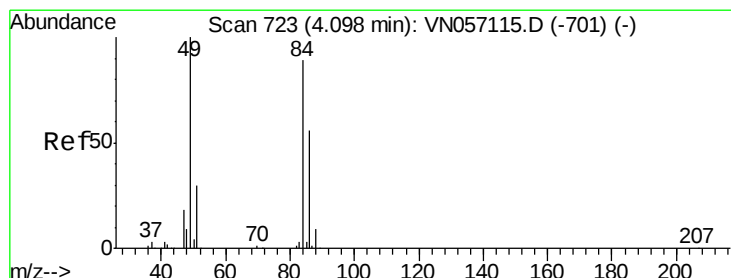
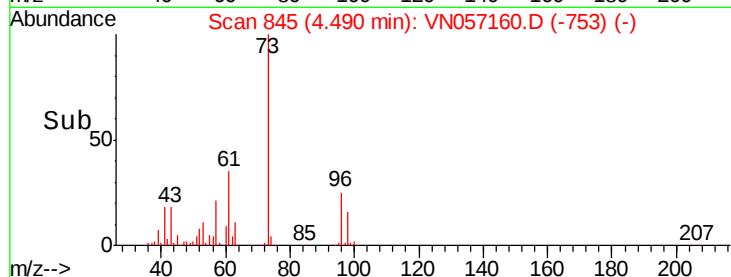
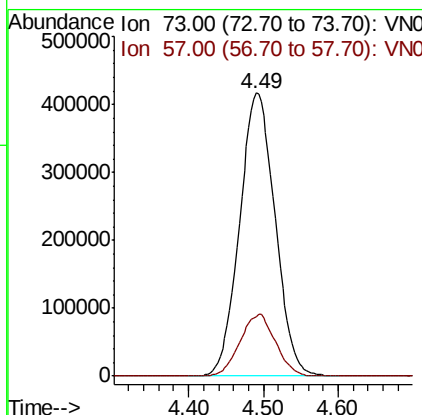
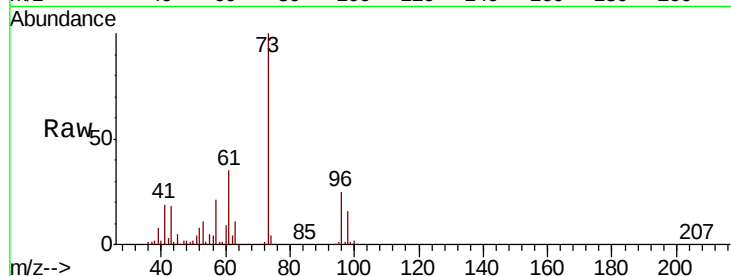




#19
Methyl tert-butyl Ether
Concen: 48.438 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

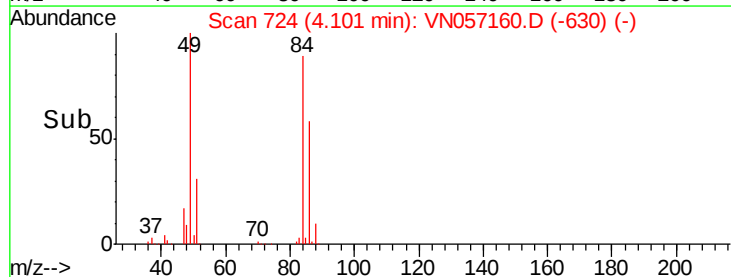
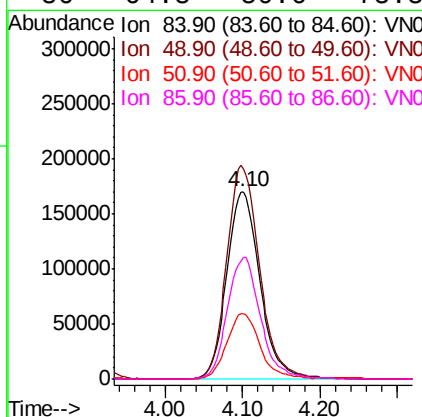
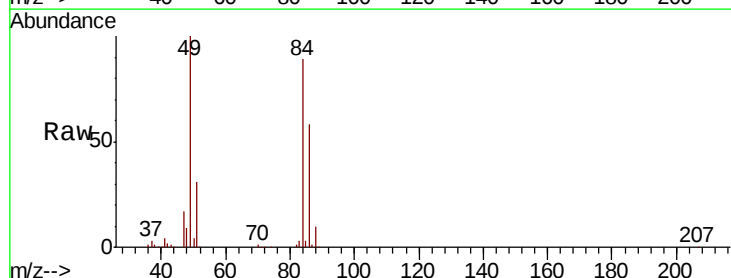
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

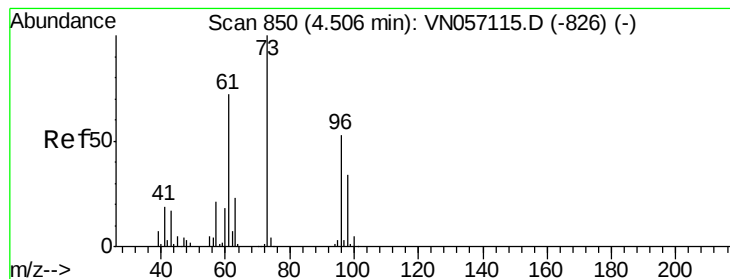
Tgt Ion: 73 Resp: 1377361
Ion Ratio Lower Upper
73 100
57 21.2 18.0 27.0



#20
Methylene Chloride
Concen: 44.478 ug/l
RT: 4.10 min Scan# 724
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 84 Resp: 504658
Ion Ratio Lower Upper
84 100
49 112.1 89.5 134.3
51 34.9 27.2 40.8
86 64.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 46.180 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MSD

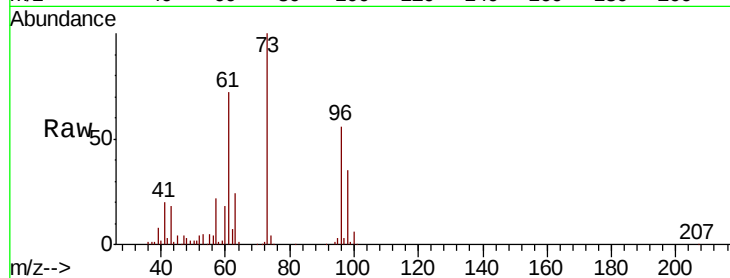
Tgt Ion: 96 Resp: 473820

Ion Ratio Lower Upper

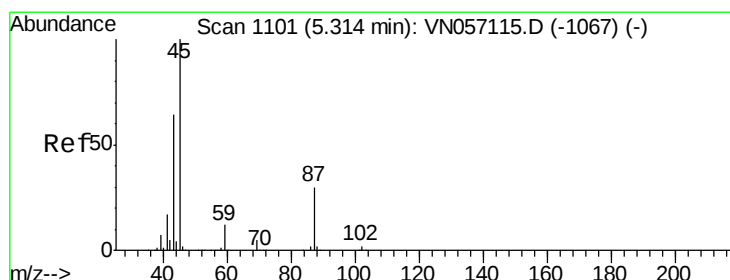
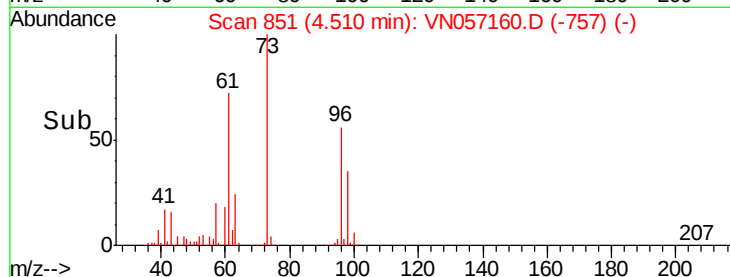
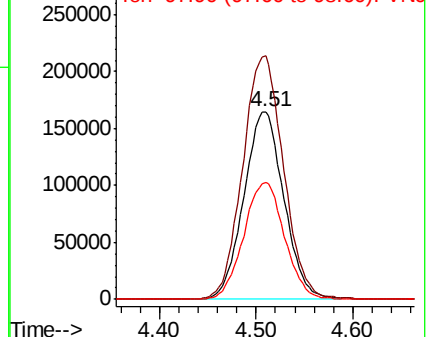
96 100

61 129.6 108.1 162.1

98 62.4 50.5 75.7



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



#22

Diisopropyl ether

Concen: 46.890 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Tgt Ion: 45 Resp: 1399980

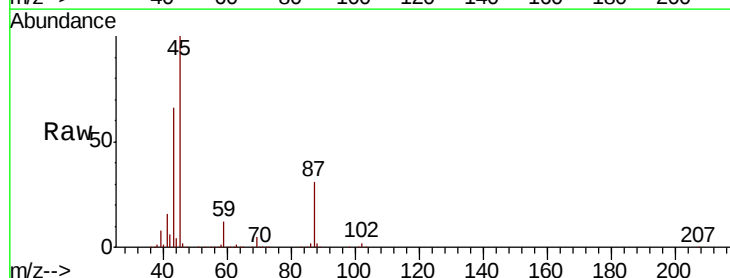
Ion Ratio Lower Upper

45 100

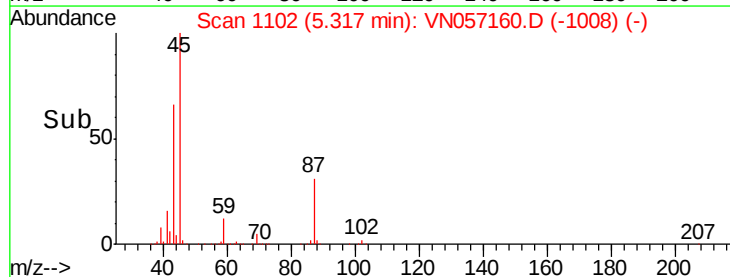
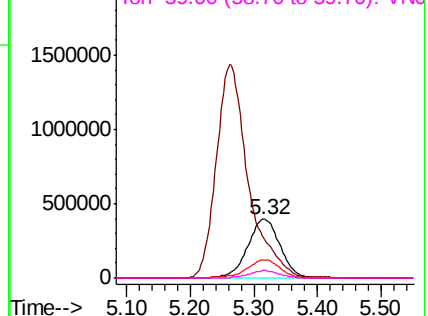
43 64.7 54.1 81.1

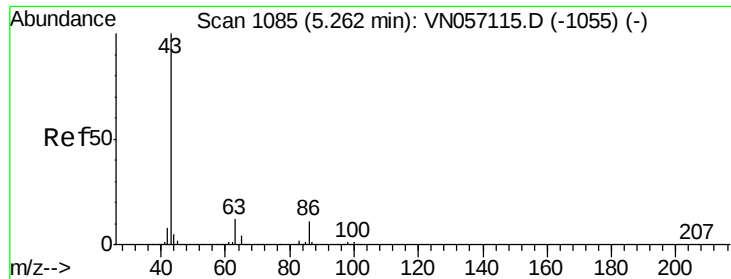
87 31.0 24.0 36.0

59 12.4 10.0 15.0



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

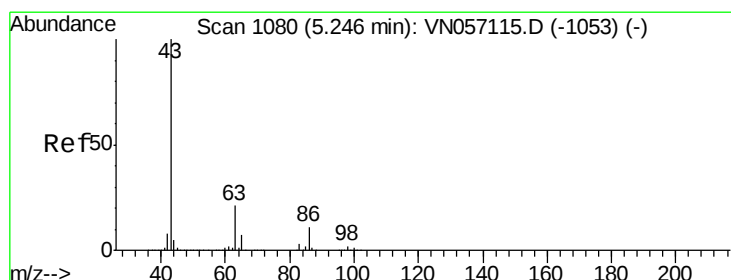
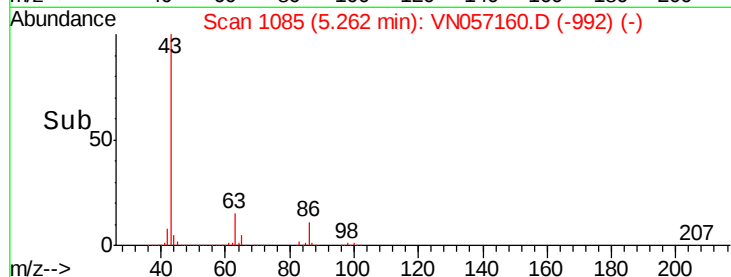
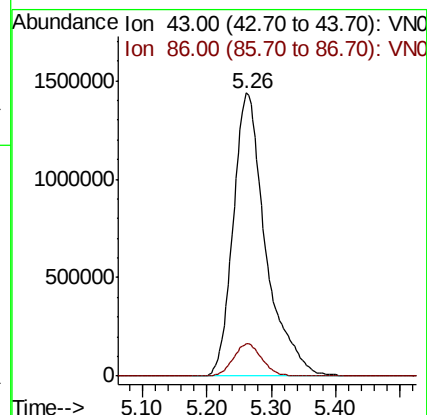
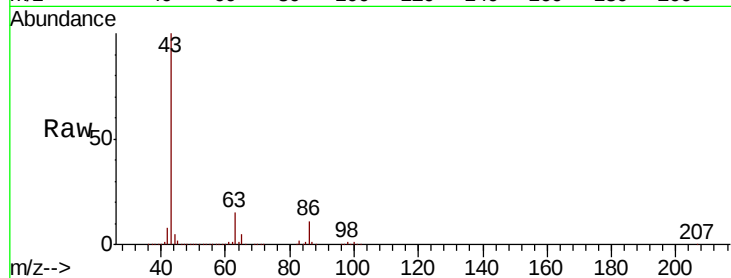




#23
 Vinyl Acetate
 Concen: 219.738 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

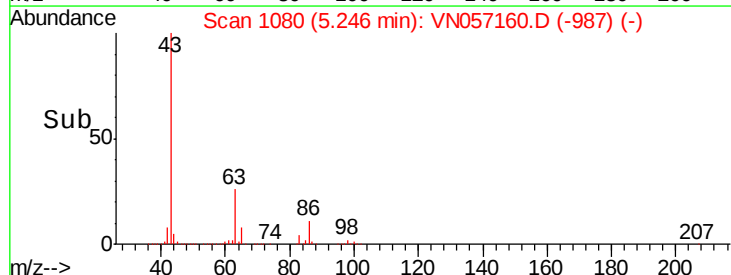
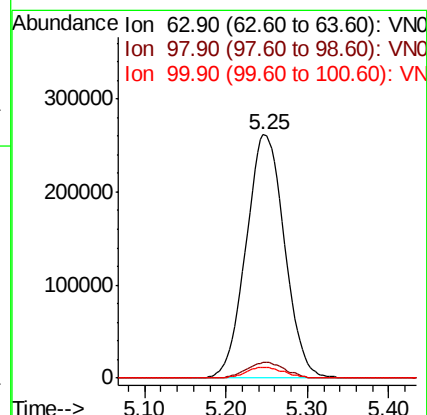
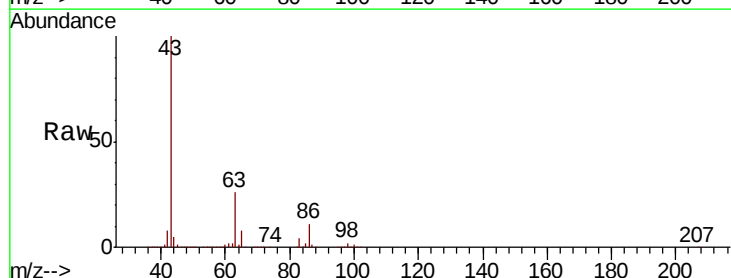
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

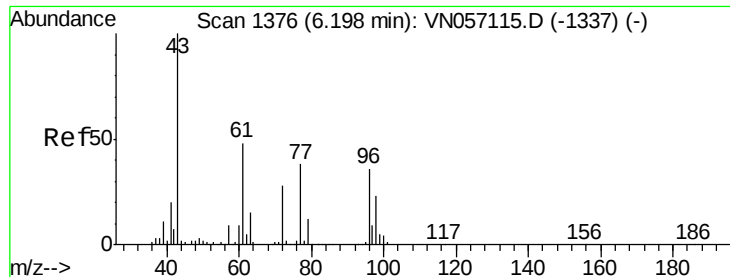
Tgt Ion: 43 Resp: 5023899
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 46.498 ug/l
 RT: 5.25 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 63 Resp: 853414
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.8 11.2
 100 4.6 2.1 6.3





#25

2-Butanone

Concen: 233.249 ug/l

RT: 6.20 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

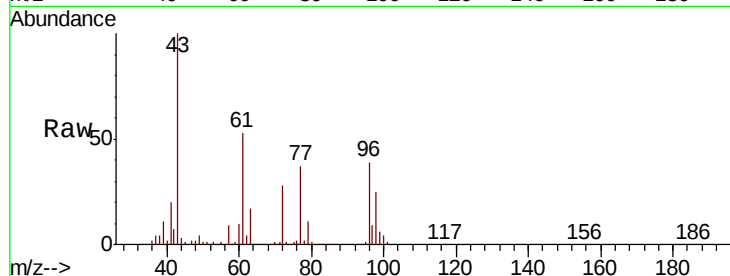
MW-4R_080819MSD

Tgt Ion: 43 Resp: 1225182

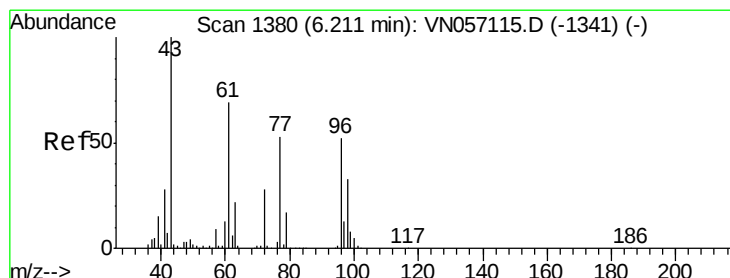
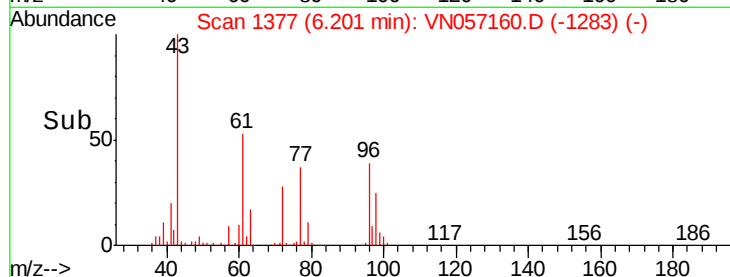
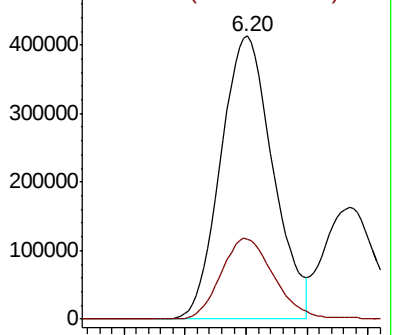
Ion Ratio Lower Upper

43 100

72 28.4 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VN057160.D (-1283) (-)



#26

2,2-Dichloropropane

Concen: 43.073 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057160.D

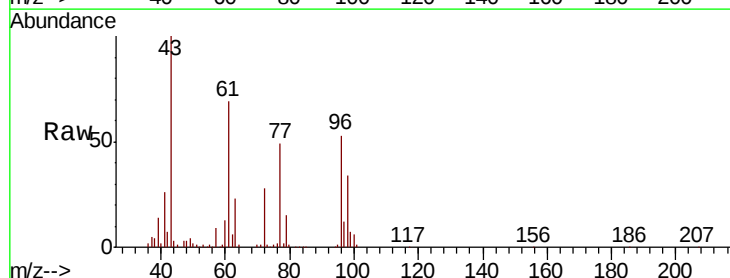
Acq: 9 Aug 2019 20:48

Tgt Ion: 77 Resp: 575159

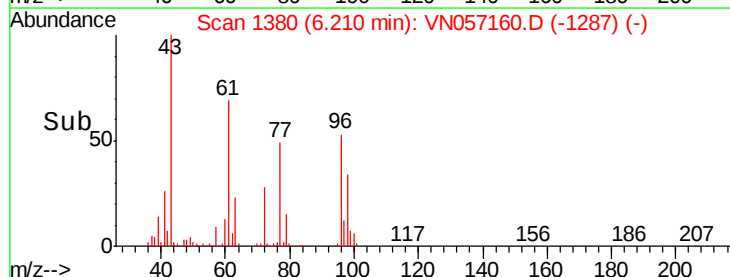
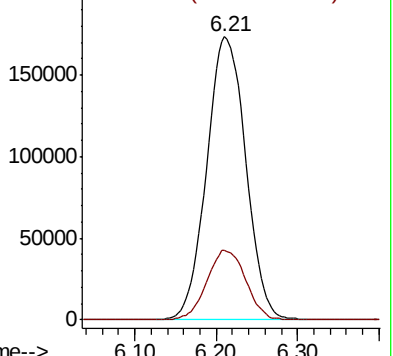
Ion Ratio Lower Upper

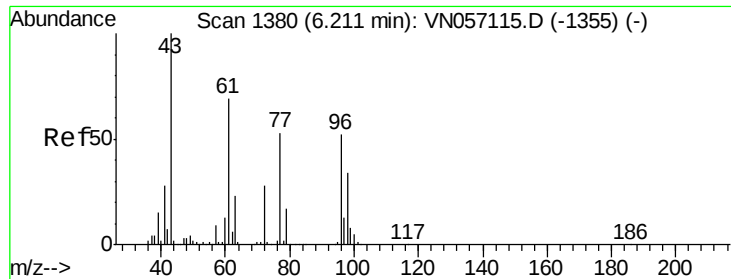
77 100

97 24.6 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VN057160.D (-1287) (-)

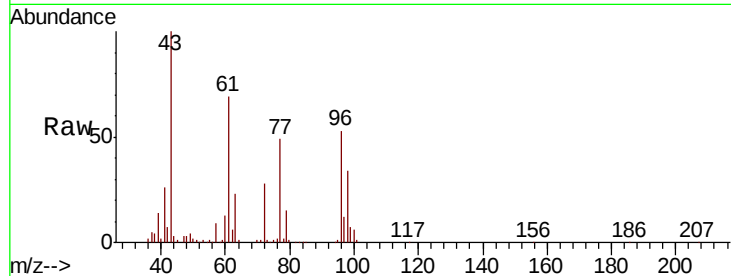




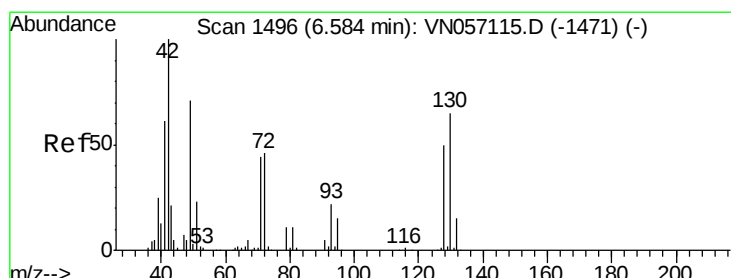
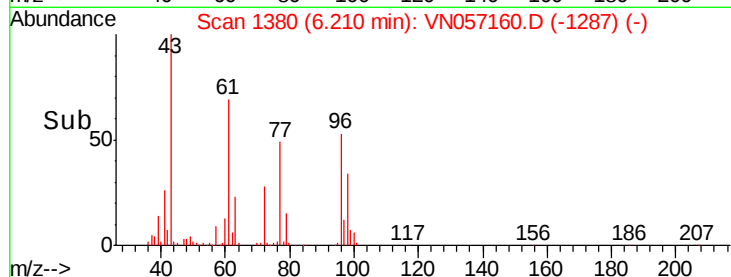
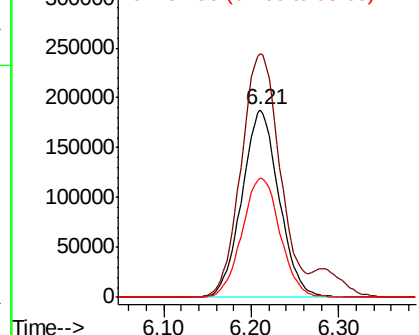
#27
 cis-1,2-Dichloroethene
 Concen: 47.028 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

Tgt Ion: 96 Resp: 552781
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 273.4
 98 65.4 0.0 130.4

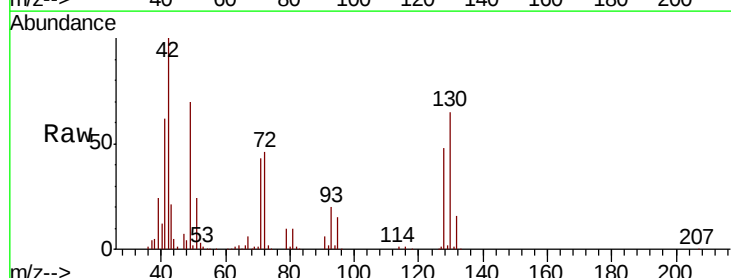


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

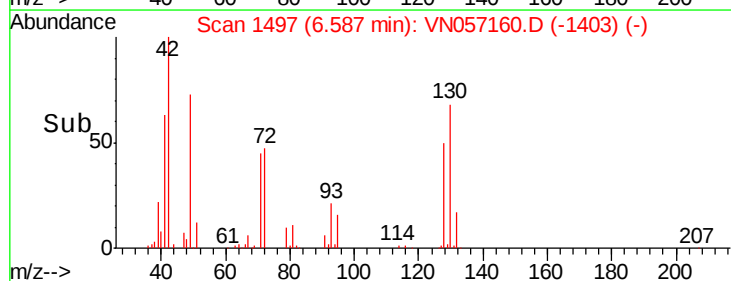
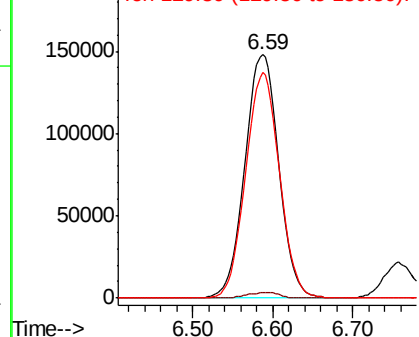


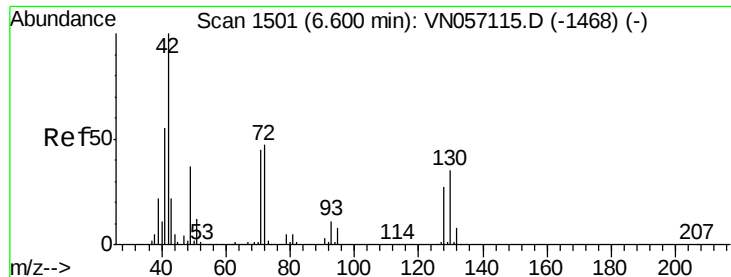
#28
 Bromochloromethane
 Concen: 50.302 ug/l
 RT: 6.59 min Scan# 1497
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 49 Resp: 424663
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.8
 130 92.4 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: 232.393 ug/l

RT: 6.60 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MSD

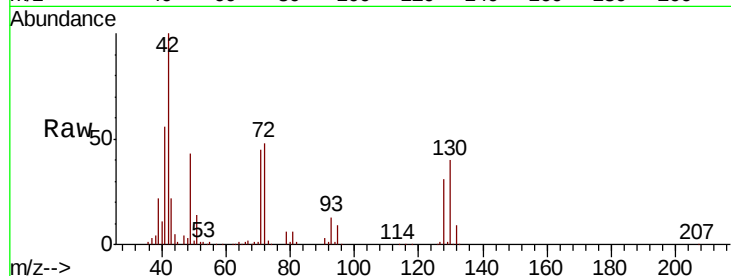
Tgt Ion: 42 Resp: 822305

Ion Ratio Lower Upper

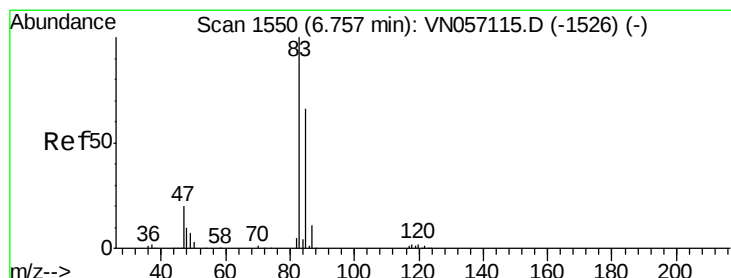
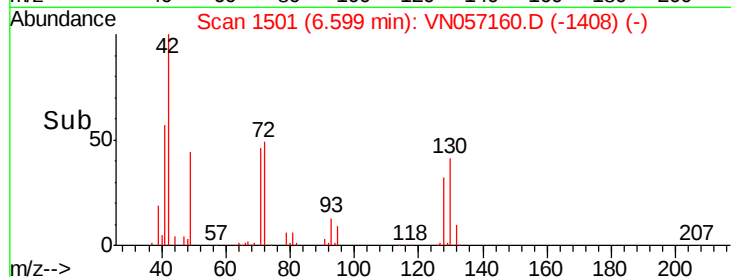
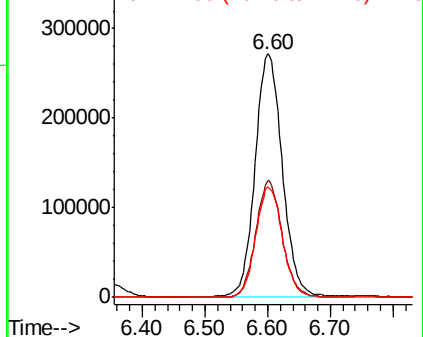
42 100

72 46.3 37.1 55.7

71 44.3 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: 45.896 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057160.D

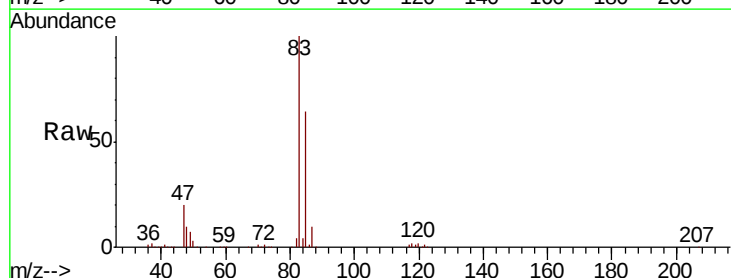
Acq: 9 Aug 2019 20:48

Tgt Ion: 83 Resp: 871867

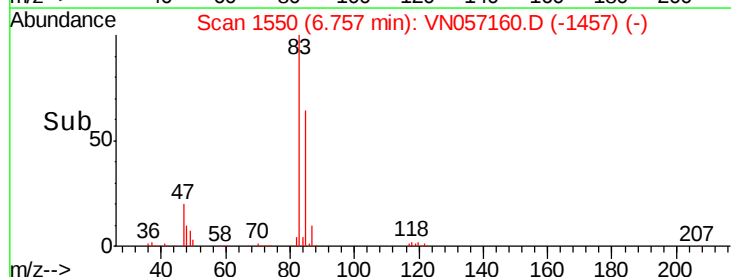
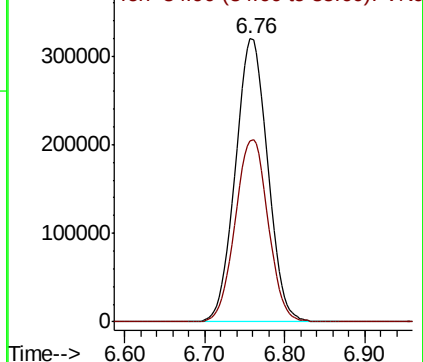
Ion Ratio Lower Upper

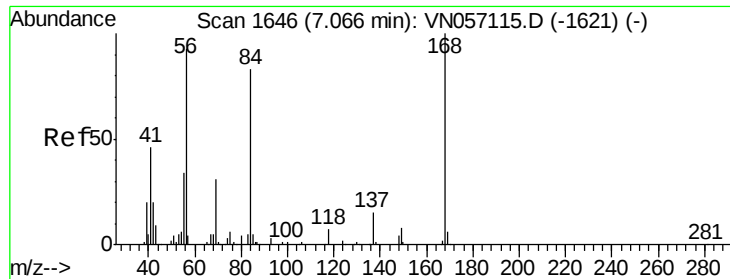
83 100

85 64.1 52.6 78.8



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

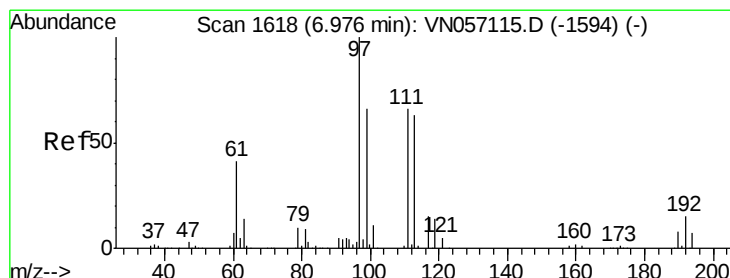
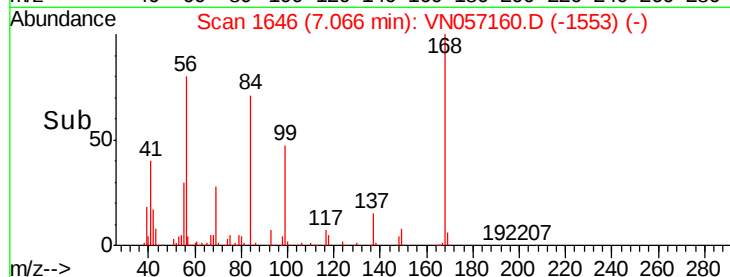
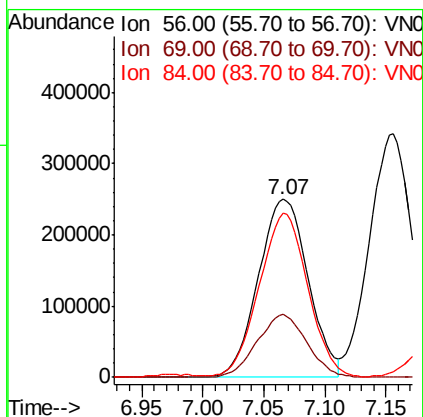
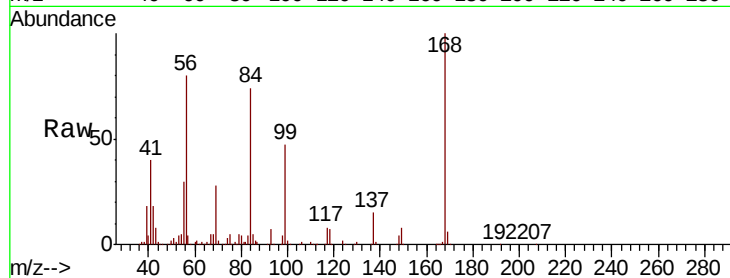




#31
Cyclohexane
Concen: 43.087 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

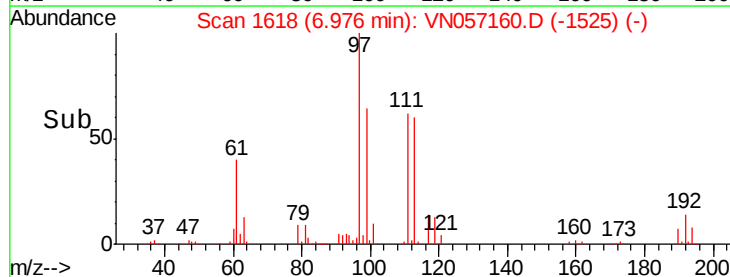
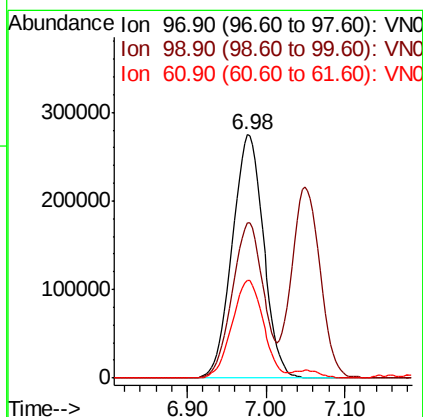
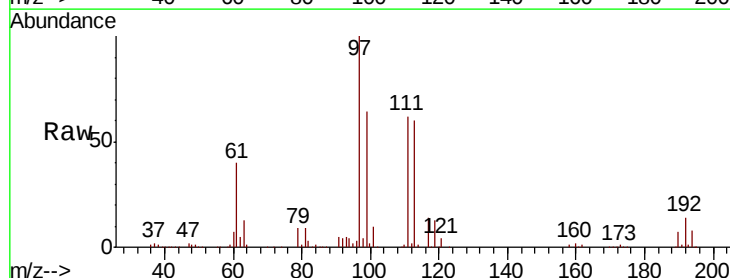
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

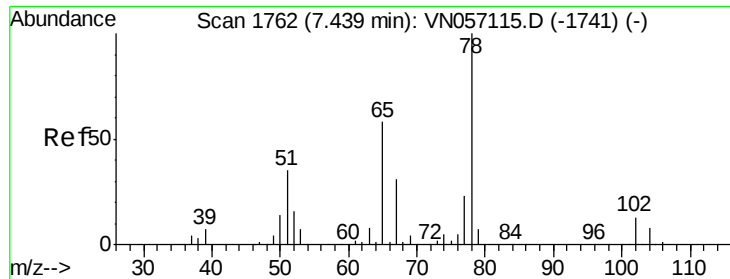
Tgt Ion: 56 Resp: 711479
Ion Ratio Lower Upper
56 100
69 35.3 26.9 40.3
84 91.0 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 47.979 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 97 Resp: 764582
Ion Ratio Lower Upper
97 100
99 63.7 51.8 77.6
61 40.6 32.7 49.1

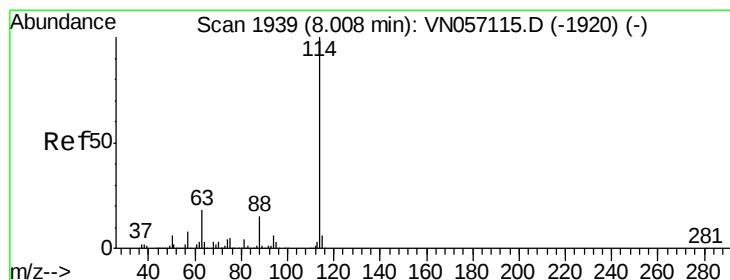
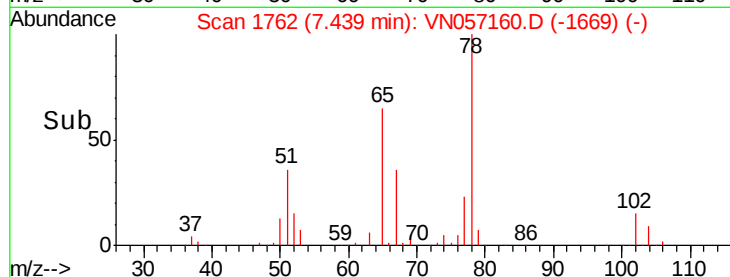
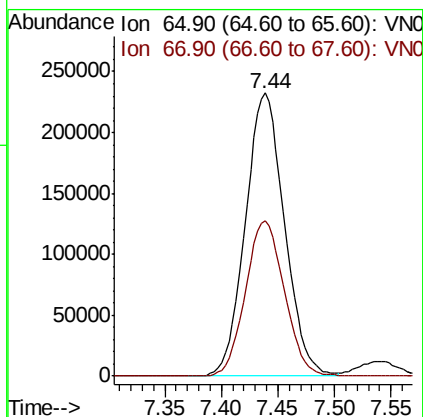
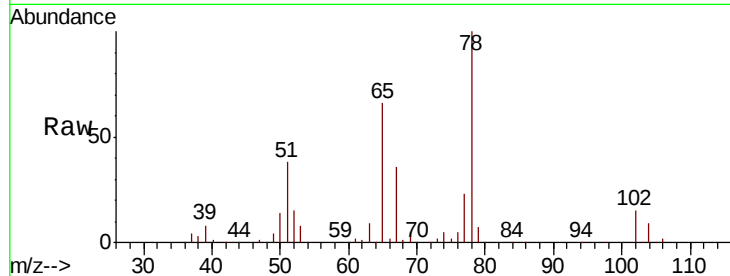




#33
 1,2-Dichloroethane-d4
 Concen: 49.047 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

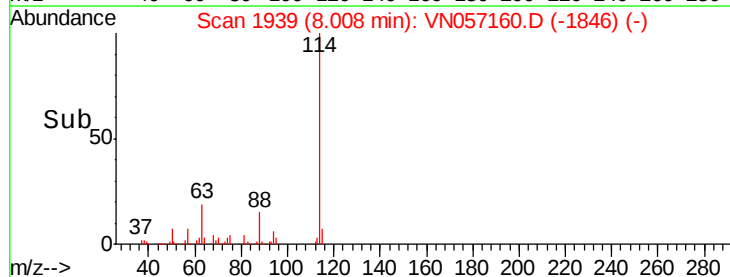
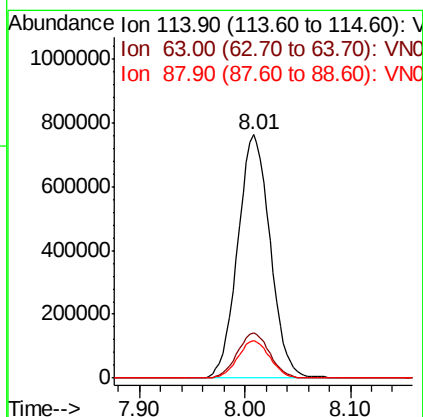
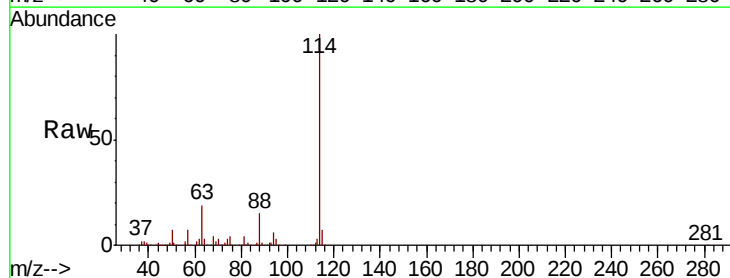
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

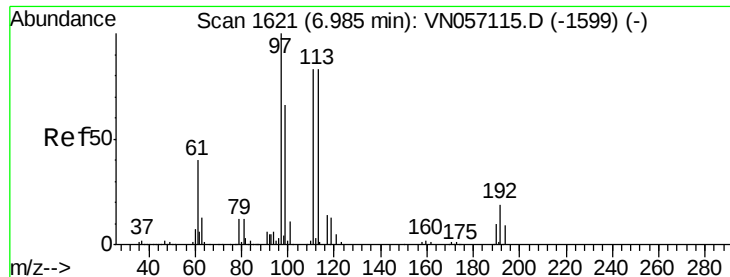
Tgt Ion: 65 Resp: 558343
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 114 Resp: 1630415
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 15.3 0.0 30.0

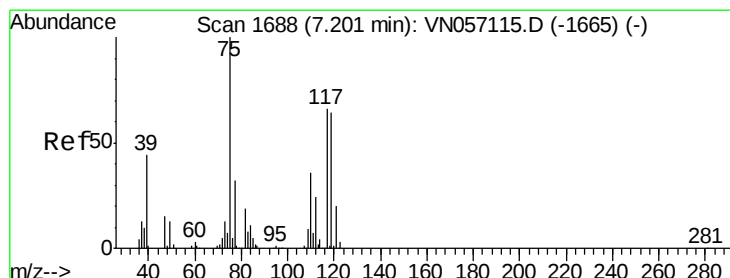
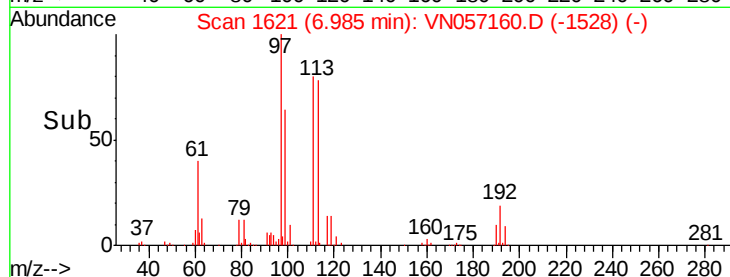
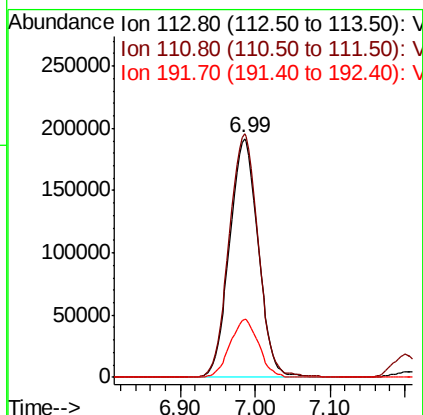
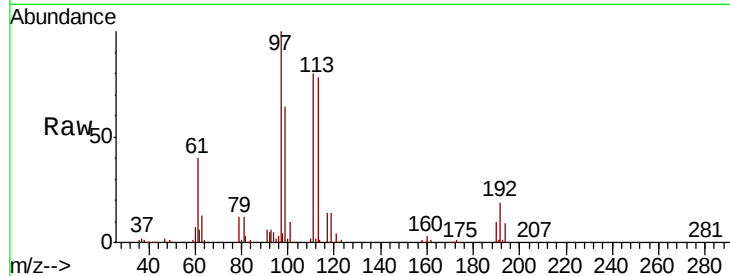




#35
 Dibromofluoromethane
 Concen: 49.942 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

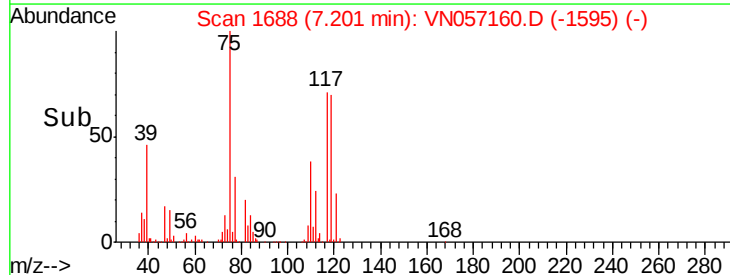
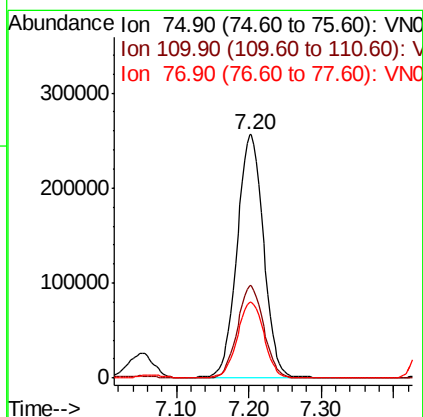
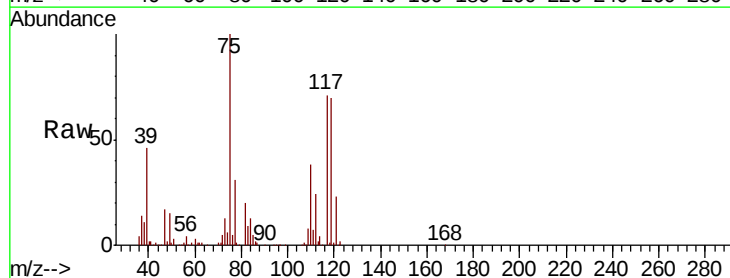
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

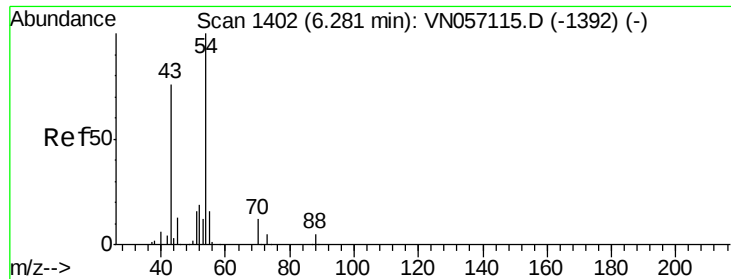
Tgt Ion: 113 Resp: 510956
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.3 121.9
 192 24.2 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 48.488 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 75 Resp: 650908
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.7 56.1
 77 31.5 25.0 37.4

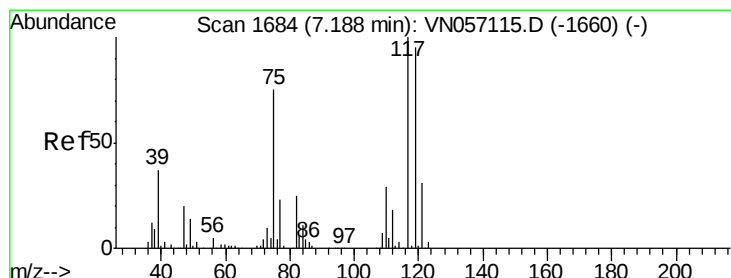
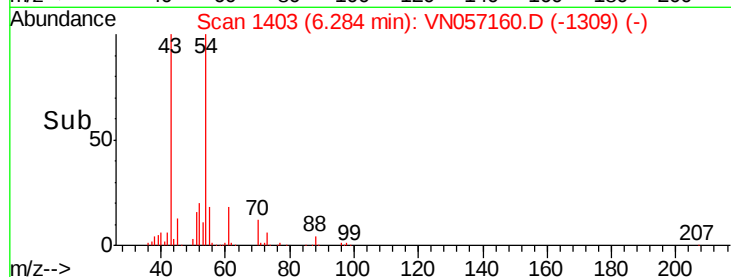
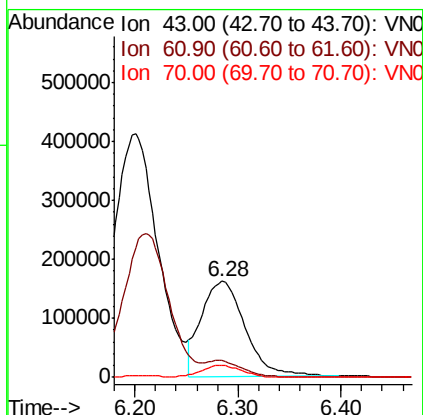
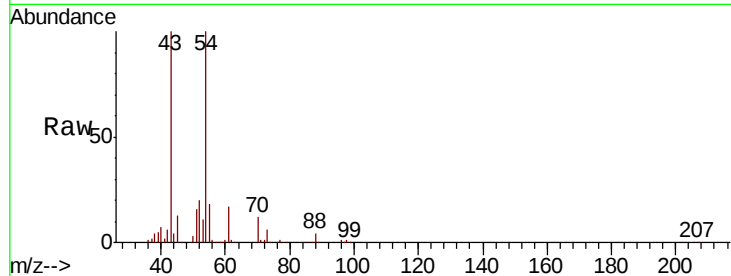




#37
Ethyl Acetate
Concen: 43.161 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

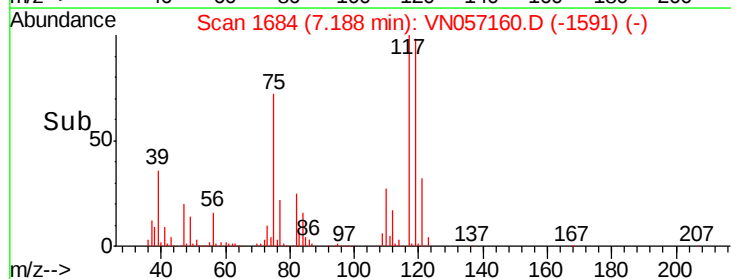
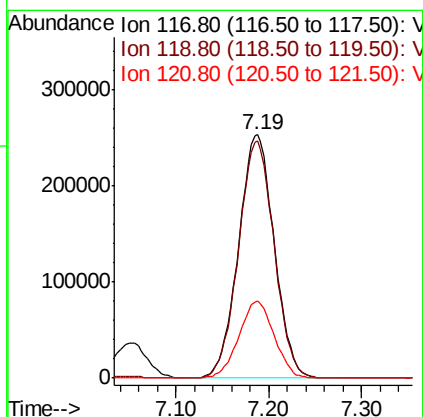
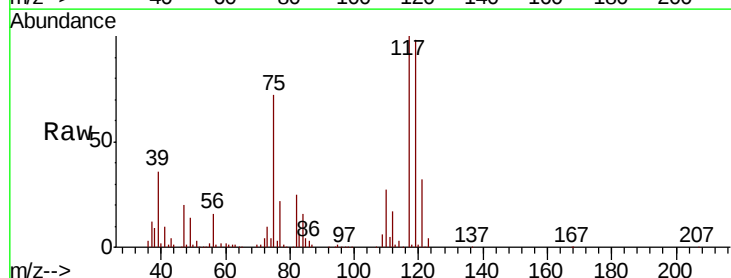
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

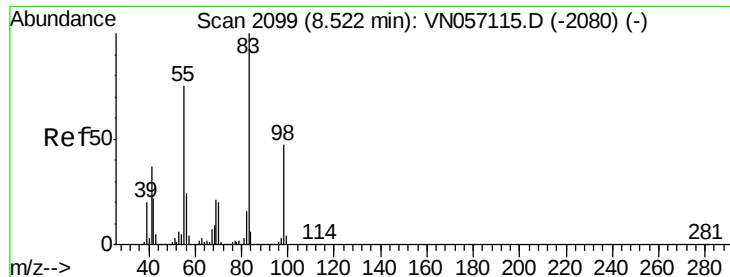
Tgt Ion: 43 Resp: 477635
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 11.8 9.1 13.7



#38
Carbon Tetrachloride
Concen: 48.226 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 117 Resp: 674683
Ion Ratio Lower Upper
117 100
119 97.6 75.8 113.6
121 31.7 24.4 36.6

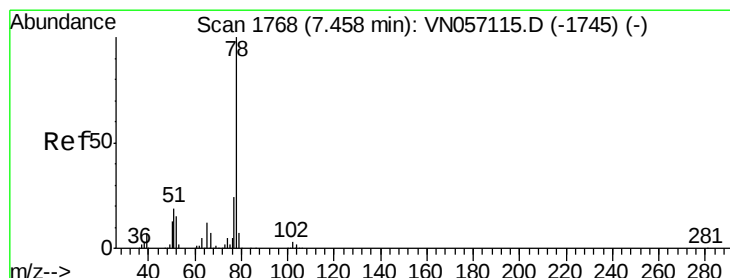
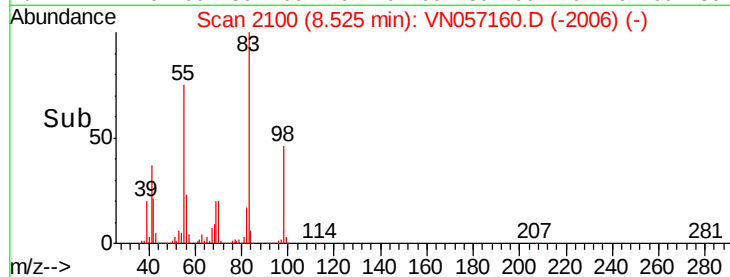
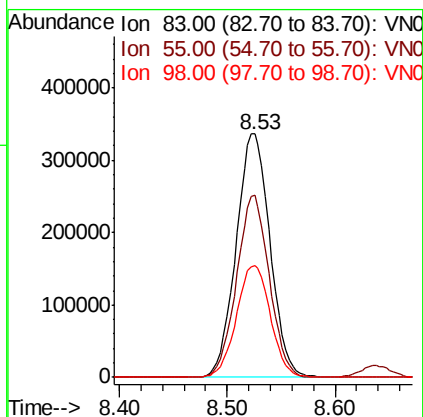
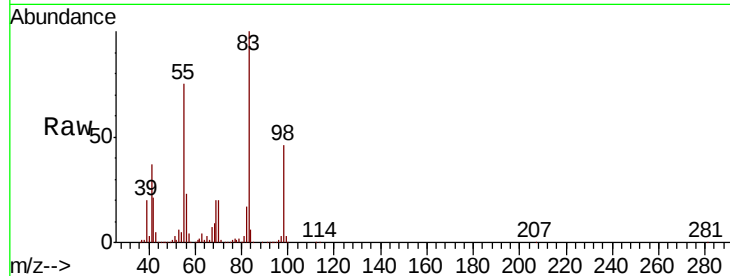




#39
Methylcyclohexane
Concen: 45.123 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

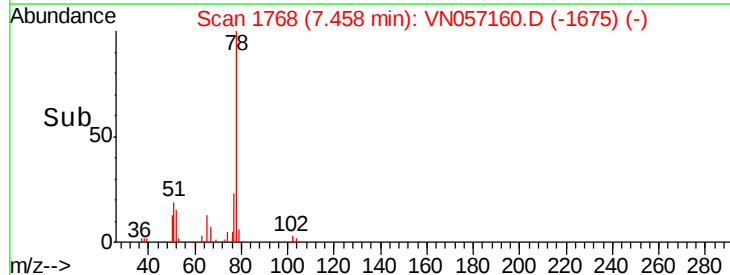
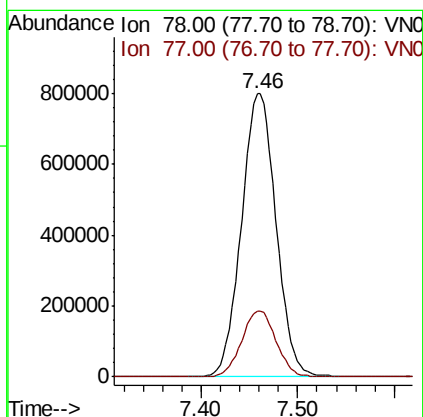
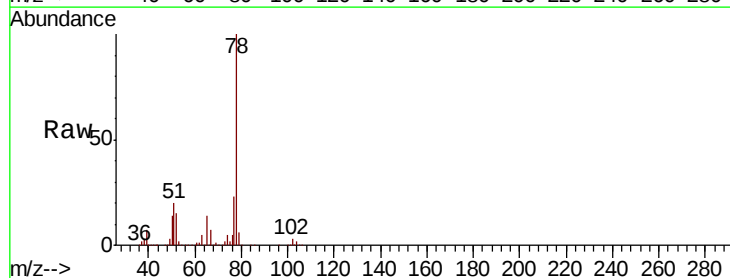
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

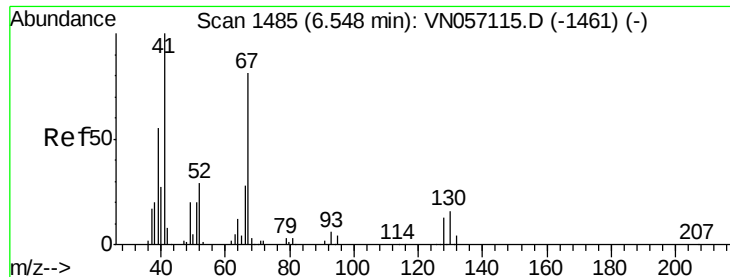
Tgt Ion: 83 Resp: 736618
Ion Ratio Lower Upper
83 100
55 74.5 60.3 90.5
98 45.9 37.9 56.9



#40
Benzene
Concen: 46.683 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 78 Resp: 1983887
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8

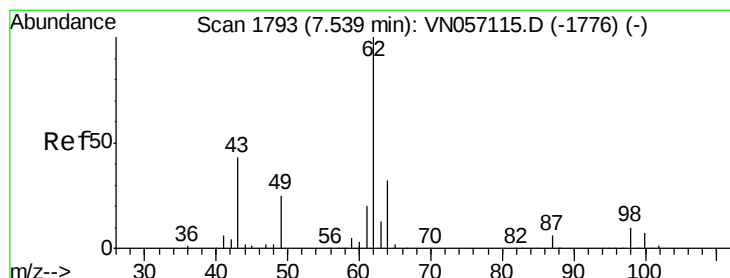
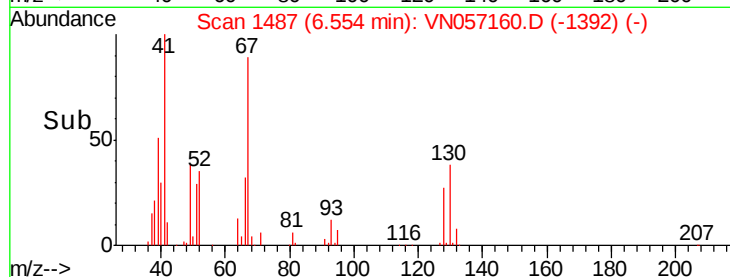
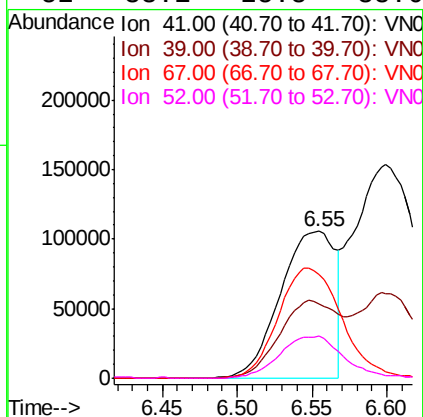
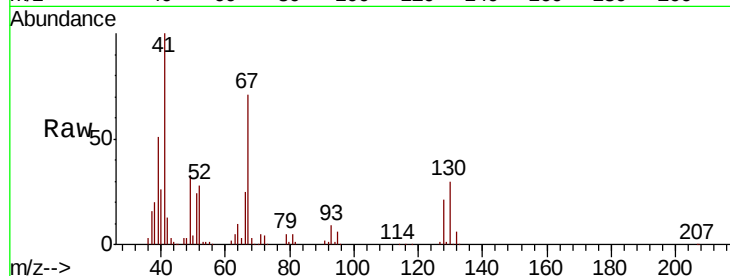




#41
Methacrylonitrile
Concen: 48.096 ug/l
RT: 6.55 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

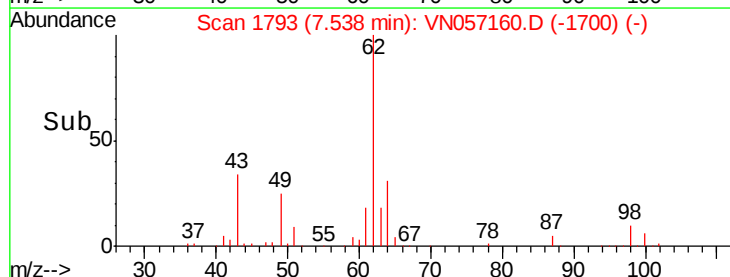
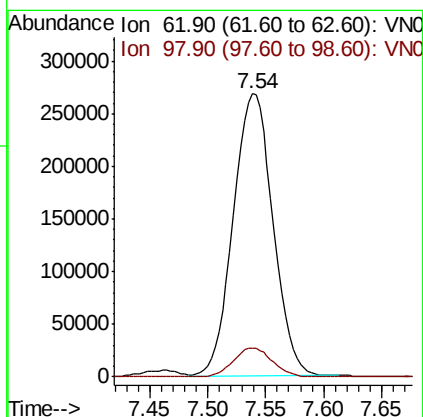
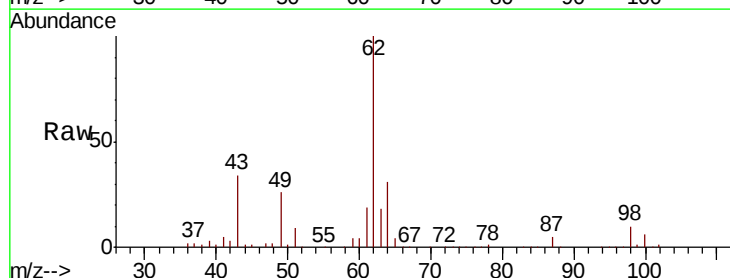
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

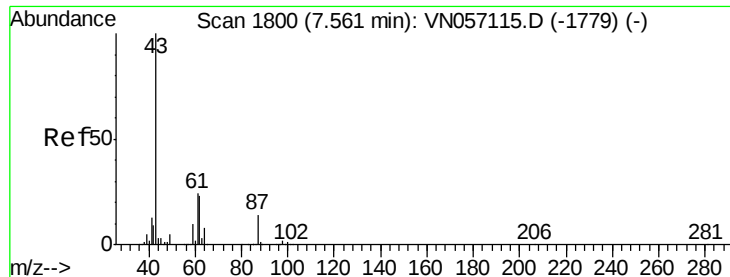
Tgt Ion:	41	Resp:	270349
Ion	Ratio	Lower	Upper
41	100		
39	58.4	44.9	67.3
67	86.5	69.1	103.7
52	33.1	25.8	38.6



#42
1,2-Dichloroethane
Concen: 47.238 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion:	62	Resp:	640225
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4





#43

Isopropyl Acetate

Concen: 44.760 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MSD

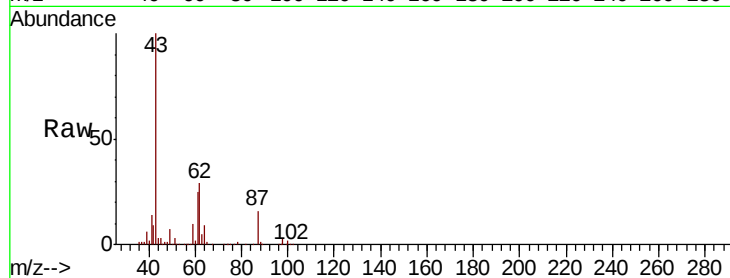
Tgt Ion: 43 Resp: 845267

Ion Ratio Lower Upper

43 100

61 29.4 24.2 36.2

87 15.2 11.8 17.8

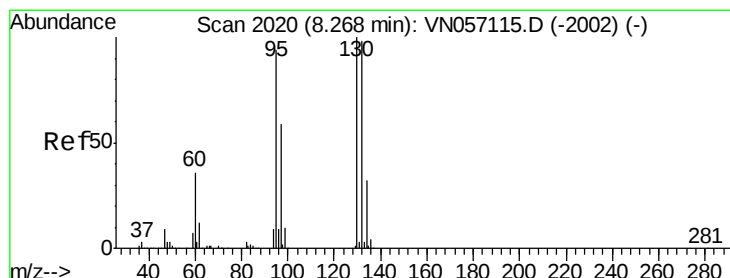
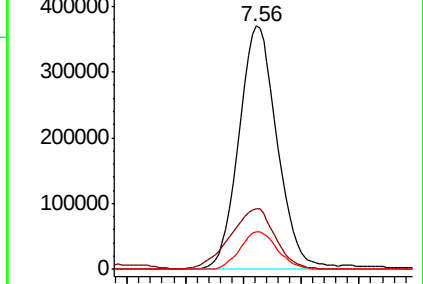
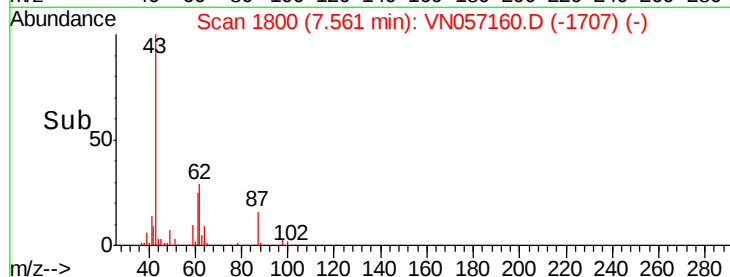


Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057115.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057115.D (-1779) (-)

Time-->



#44

Trichloroethene

Concen: 47.325 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057160.D

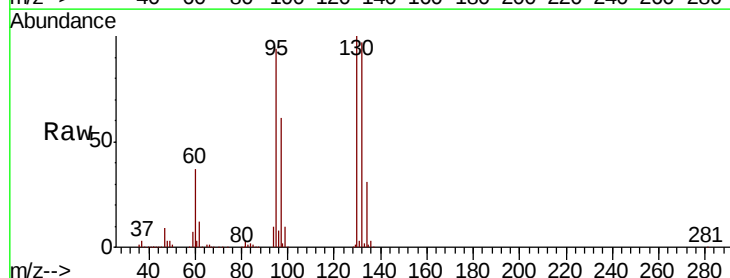
Acq: 9 Aug 2019 20:48

Tgt Ion: 130 Resp: 563448

Ion Ratio Lower Upper

130 100

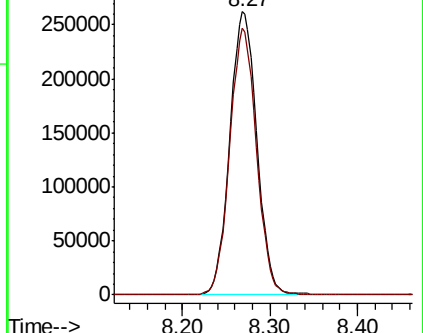
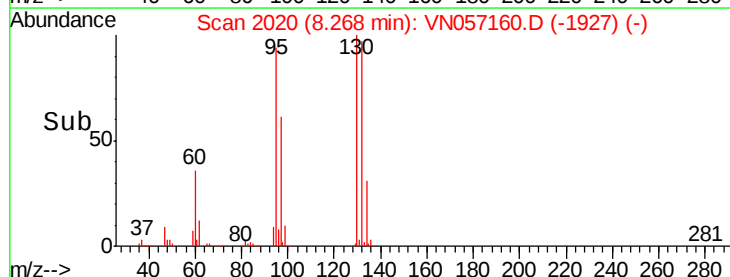
95 94.4 0.0 187.4

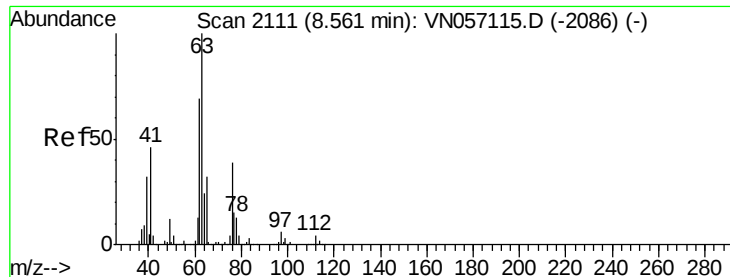


Abundance Ion 129.80 (129.50 to 130.50): VN057115.D (-2002) (-)

Ion 94.90 (94.60 to 95.60): VN057115.D (-2002) (-)

Time-->

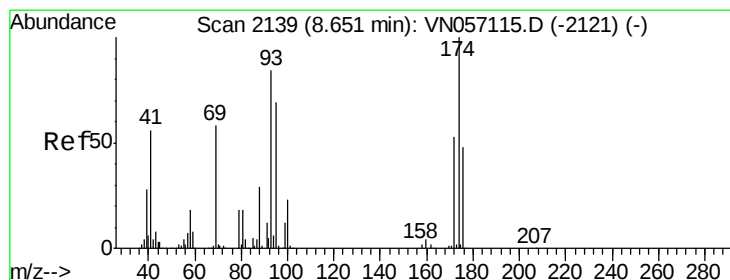
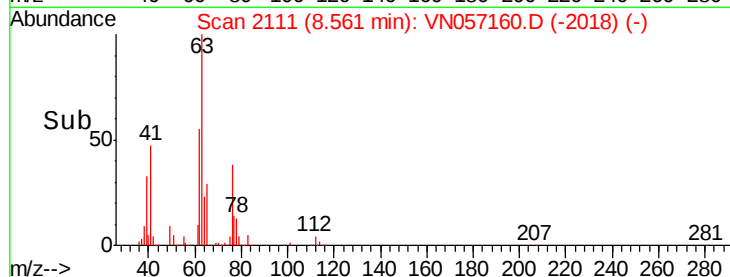
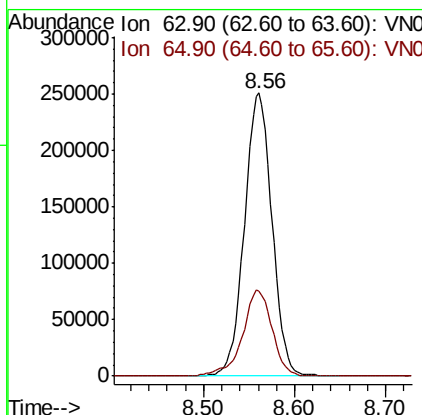
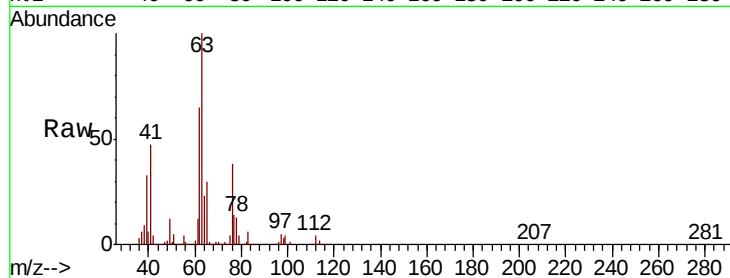




#45
 1,2-Dichloropropane
 Concen: 47.858 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

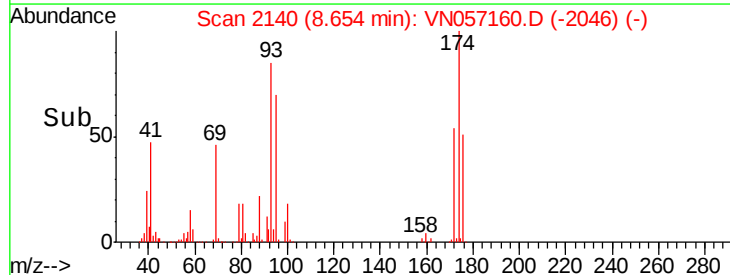
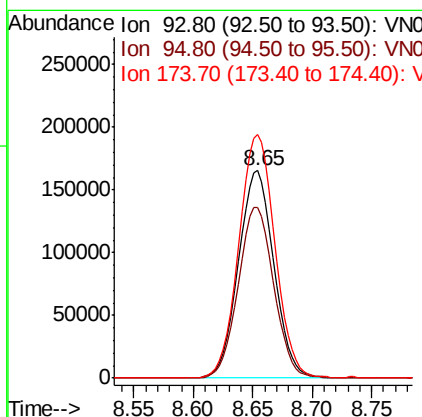
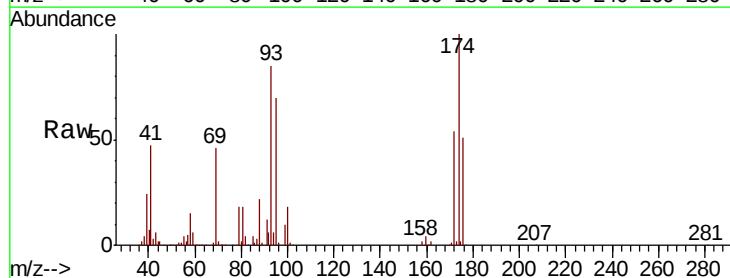
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

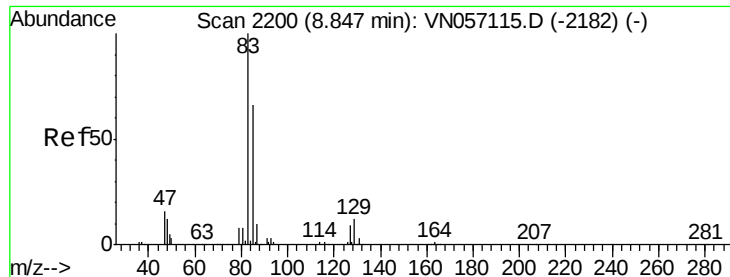
Tgt Ion: 63 Resp: 526613
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.2 37.8



#46
 Dibromomethane
 Concen: 48.467 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 93 Resp: 341950
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.0 99.0
 174 119.2 96.0 144.0





#47

Bromodichloromethane

Concen: 50.087 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MSD

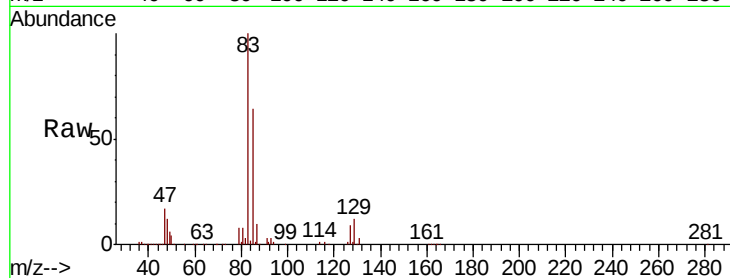
Tgt Ion: 83 Resp: 683763

Ion Ratio Lower Upper

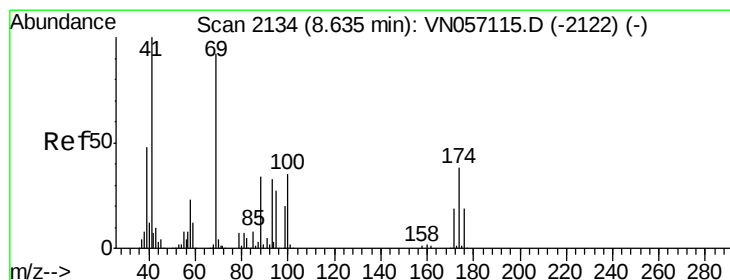
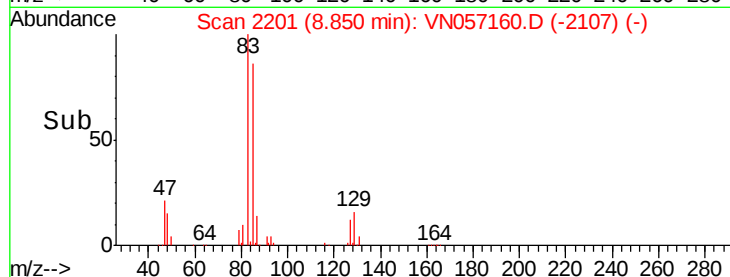
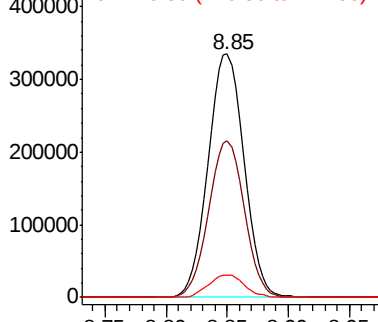
83 100

85 64.1 52.6 78.8

127 9.1 7.5 11.3



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



#48

Methyl methacrylate

Concen: 46.815 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

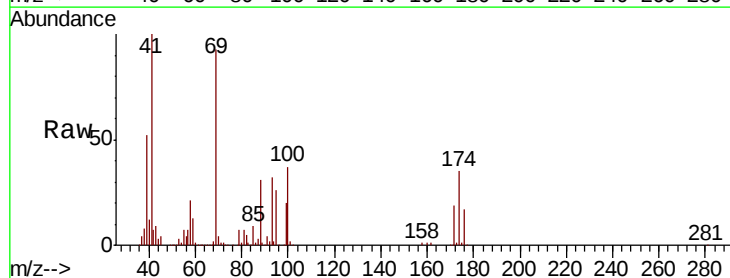
Tgt Ion: 41 Resp: 416883

Ion Ratio Lower Upper

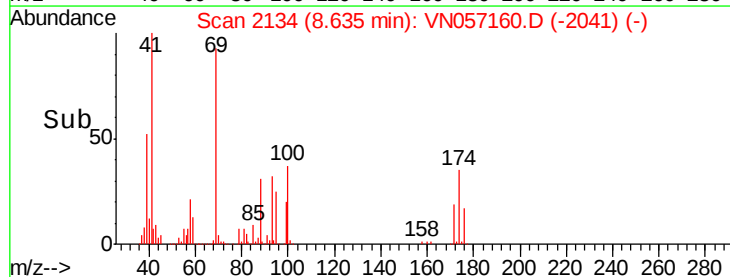
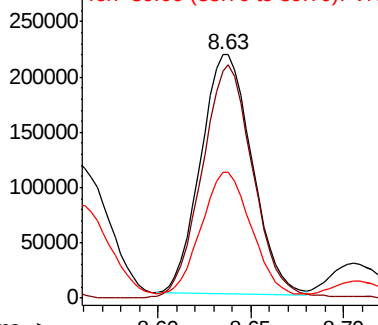
41 100

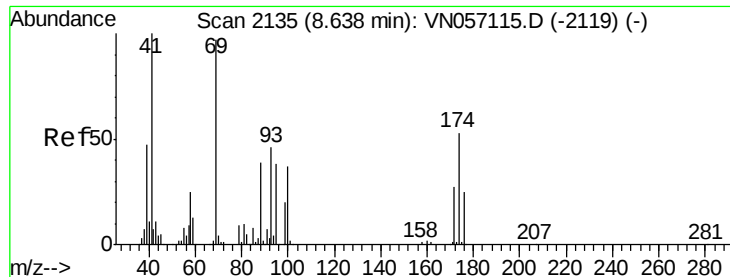
69 97.6 77.5 116.3

39 52.6 39.8 59.6



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

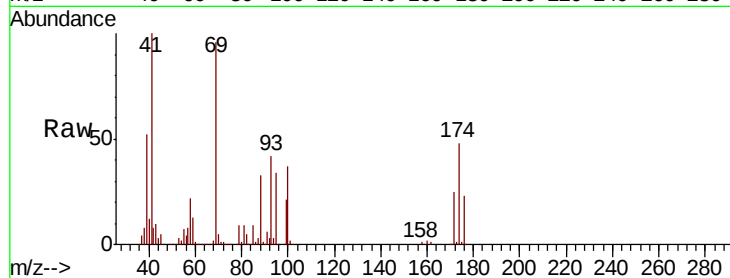




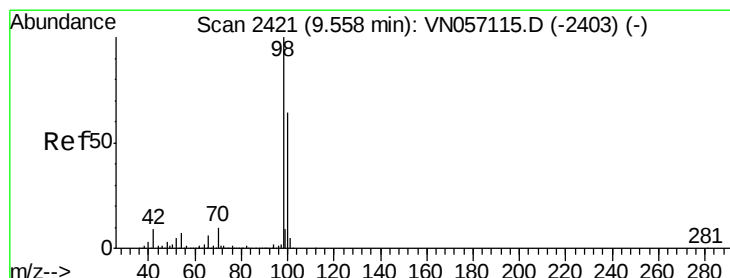
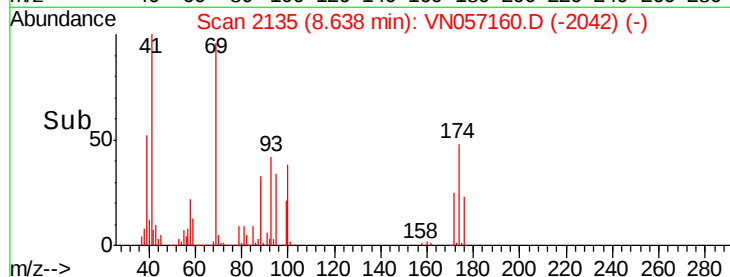
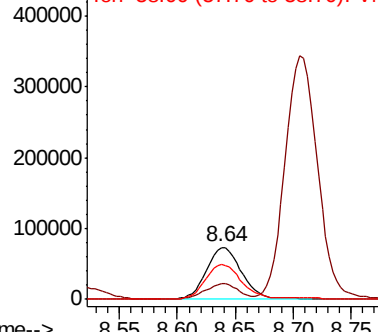
#49
1,4-Dioxane
Concen: 858.064 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

Tgt Ion: 88 Resp: 155621
Ion Ratio Lower Upper
88 100
43 28.0 21.7 32.5
58 69.3 51.1 76.7

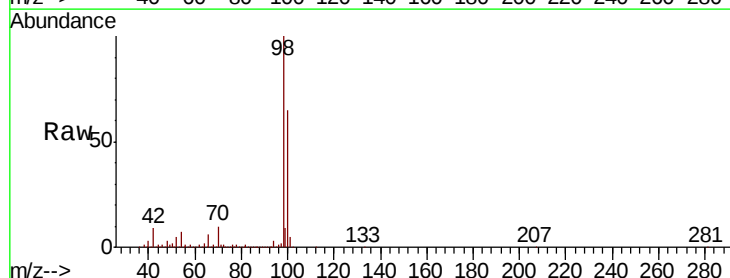


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

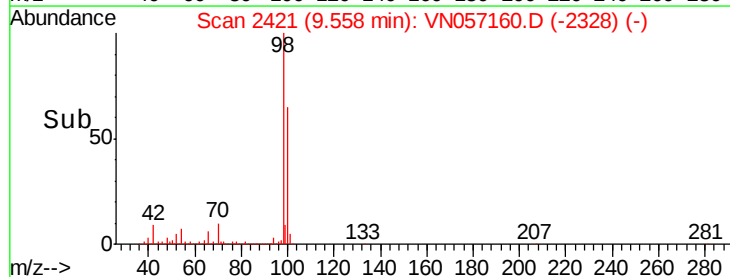
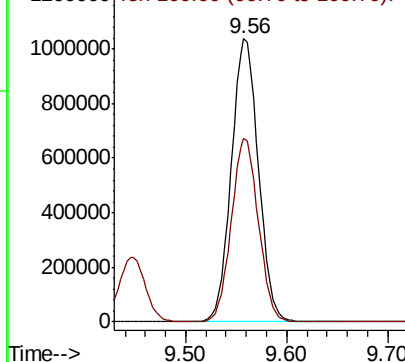


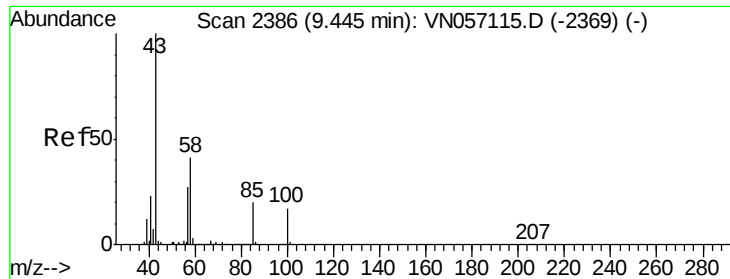
#50
Toluene-d8
Concen: 49.530 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 98 Resp: 1938735
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

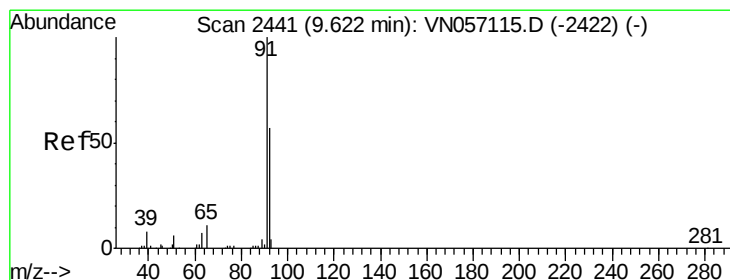
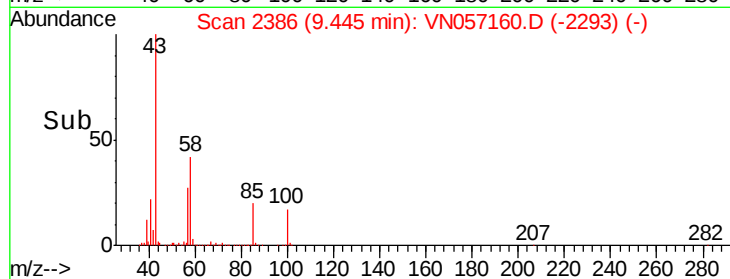
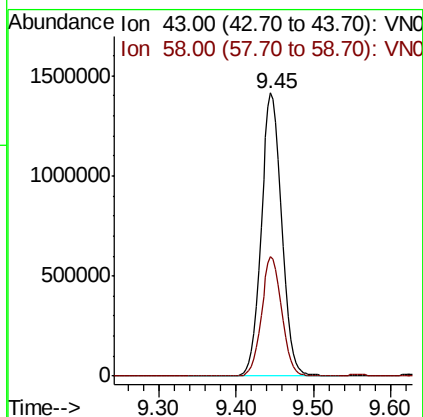
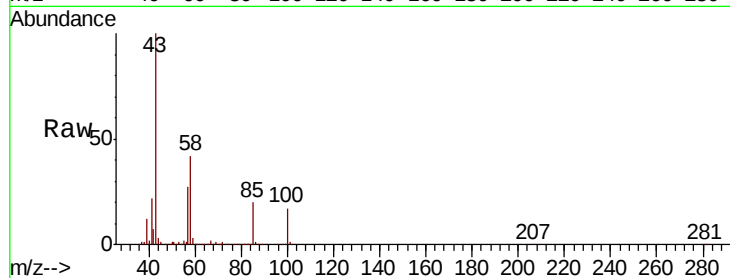




#51
 4-Methyl-2-Pentanone
 Concen: 237.718 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

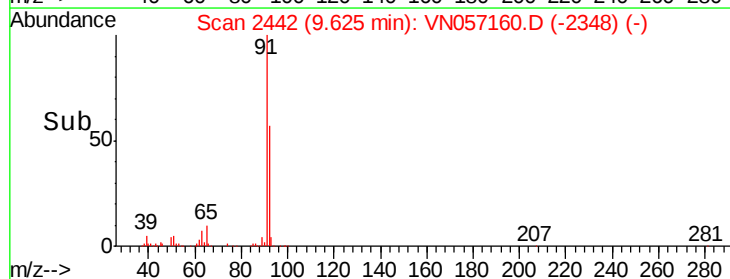
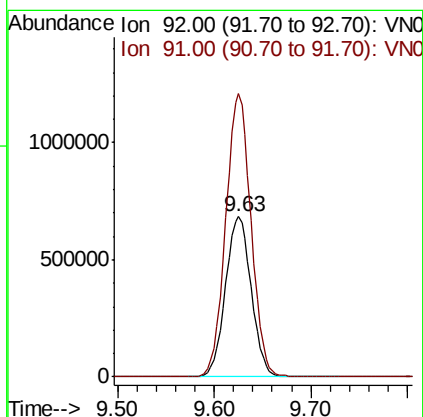
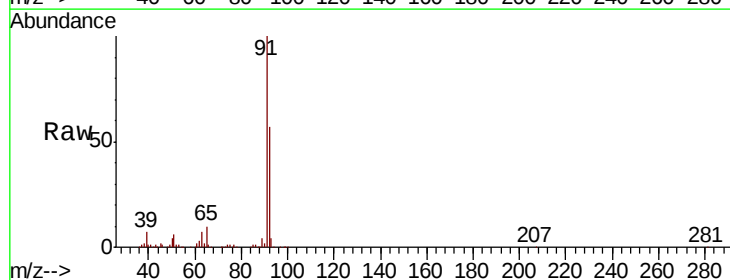
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

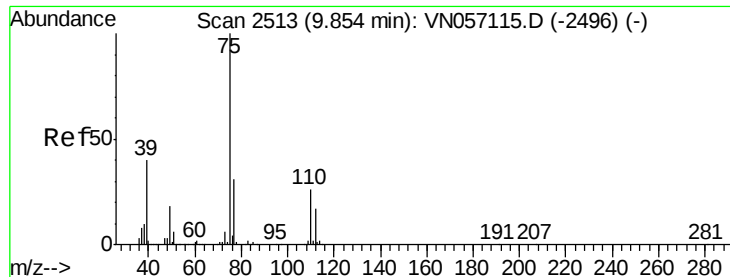
Tgt Ion: 43 Resp: 2612663
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.2 49.8



#52
 Toluene
 Concen: 47.811 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 92 Resp: 1261182
 Ion Ratio Lower Upper
 92 100
 91 173.9 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 50.077 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

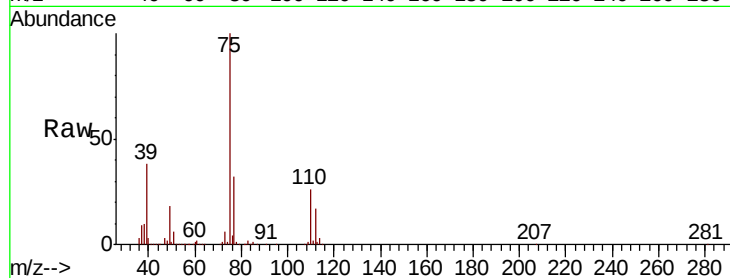
MW-4R 080819MSD

Tgt Ion: 75 Resp: 714180

Ion Ratio Lower Upper

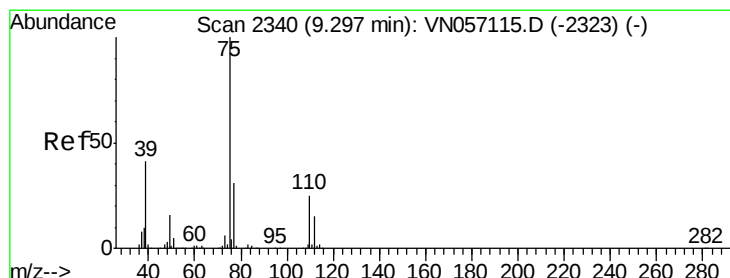
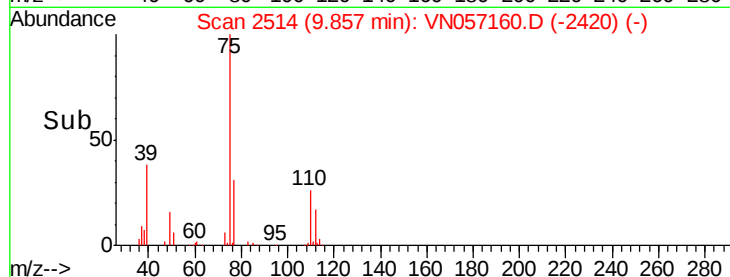
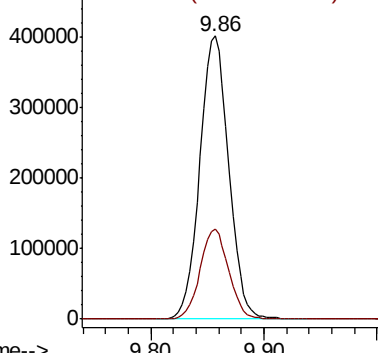
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 48.289 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

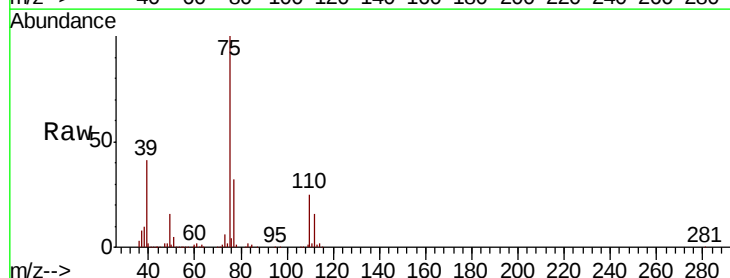
Tgt Ion: 75 Resp: 790241

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

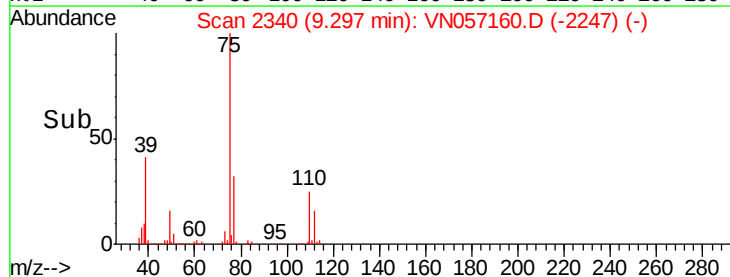
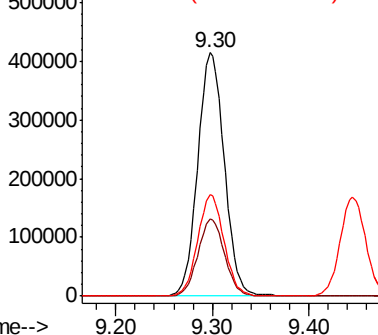
39 41.5 32.5 48.7

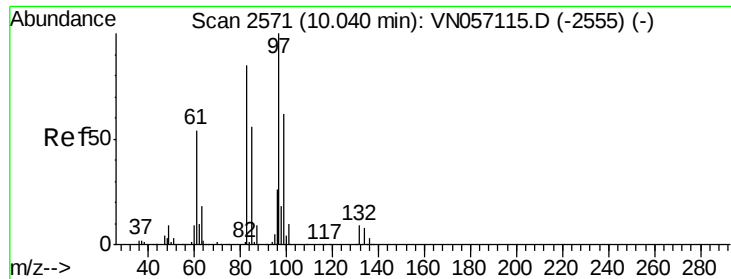


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

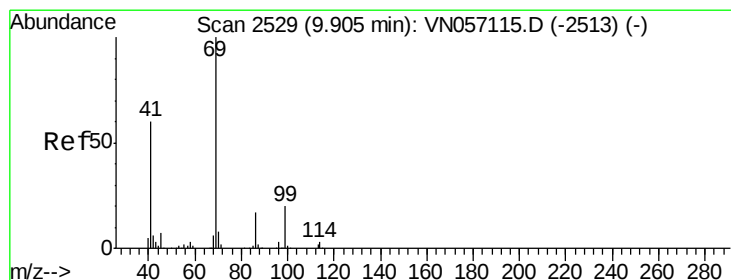
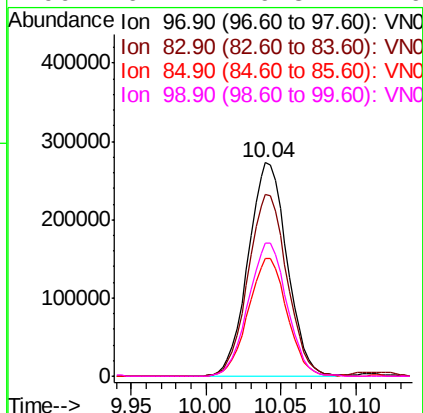
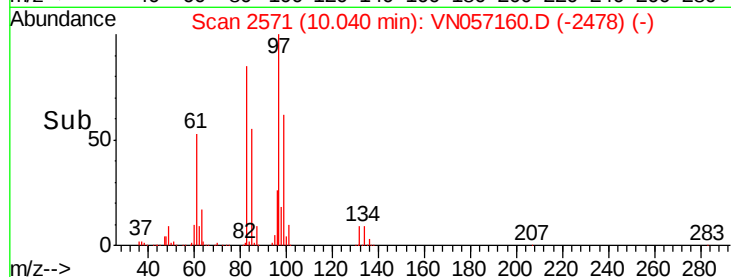
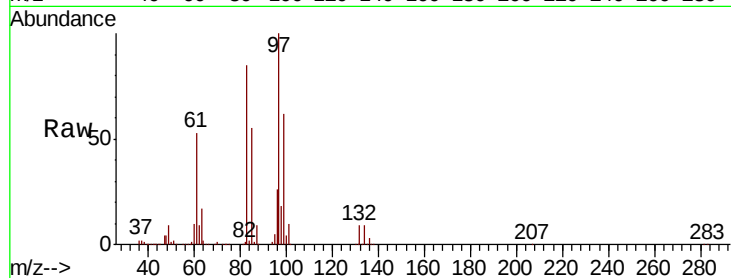




#55
 1,1,2-Trichloroethane
 Concen: 47.609 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

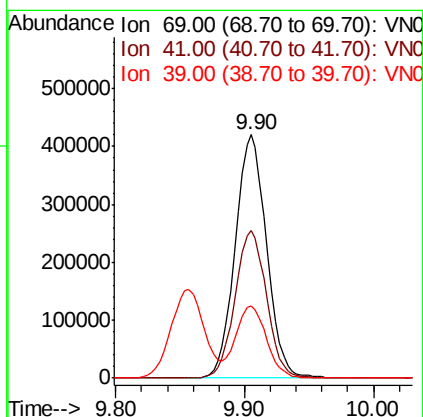
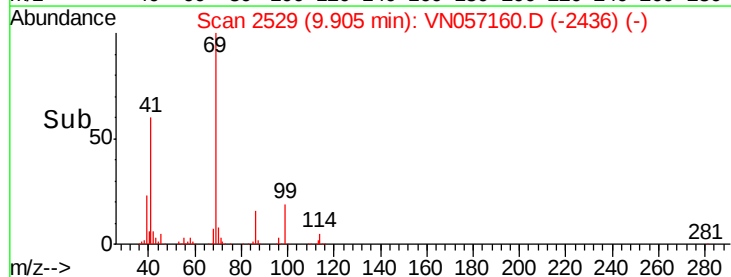
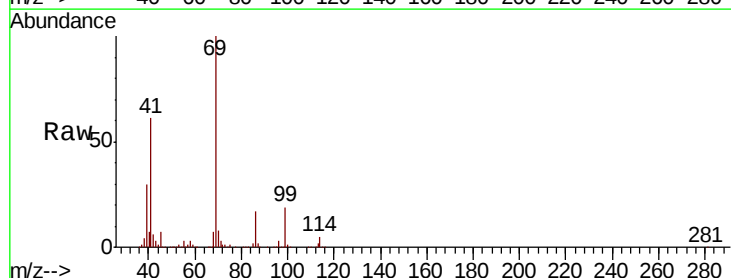
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

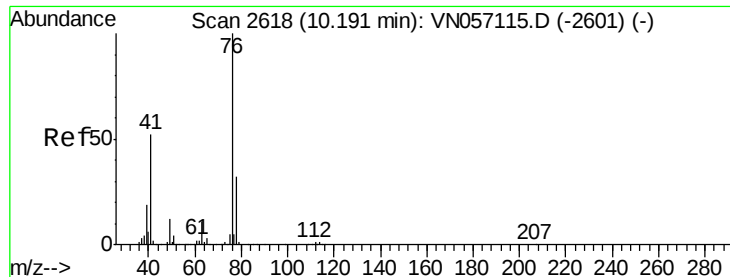
Tgt Ion:	97	Resp:	493852
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.8	101.8
85	55.4	44.4	66.6
99	62.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 48.844 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion:	69	Resp:	709412
Ion	Ratio	Lower	Upper
69	100		
41	60.5	48.1	72.1
39	29.1	23.6	35.4





#57

1,3-Dichloropropane

Concen: 47.121 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

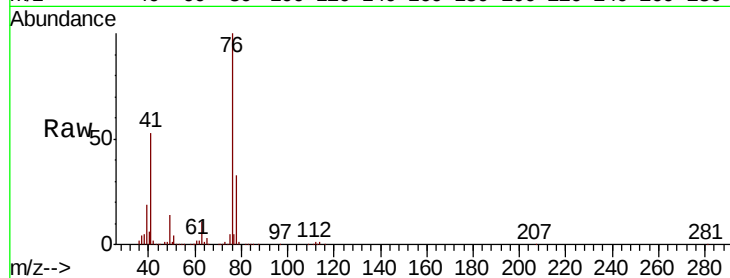
MW-4R_080819MSD

Tgt Ion: 76 Resp: 806066

Ion Ratio Lower Upper

76 100

78 32.6 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.19

400000

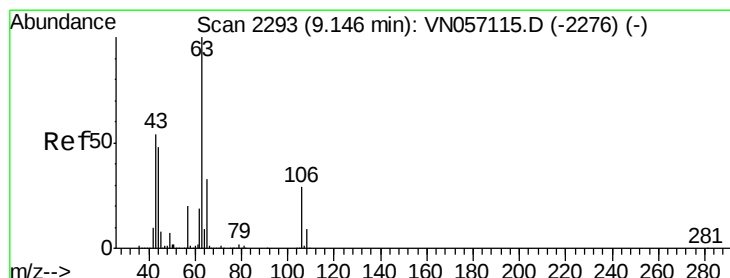
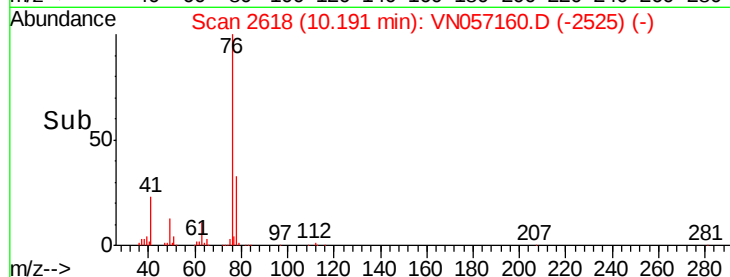
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 13.221 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.03 min

Lab File: VN057160.D

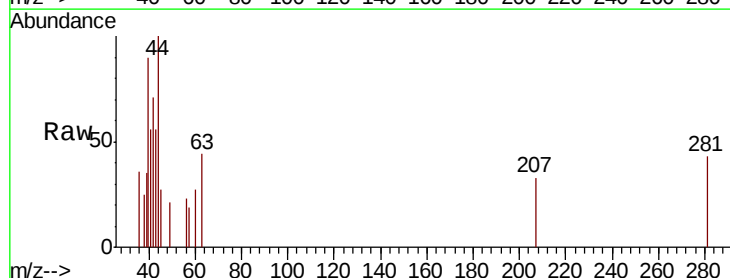
Acq: 9 Aug 2019 20:48

Tgt Ion: 63 Resp: 645

Ion Ratio Lower Upper

63 100

106 0.0 22.6 33.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.17

400

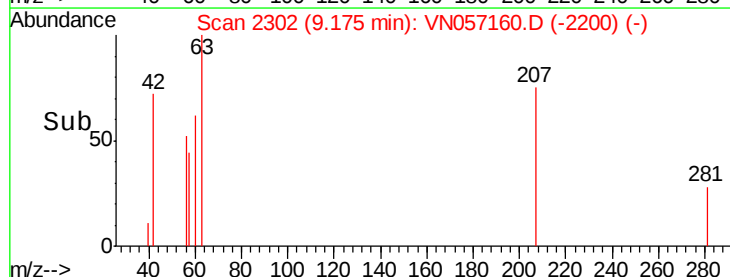
300

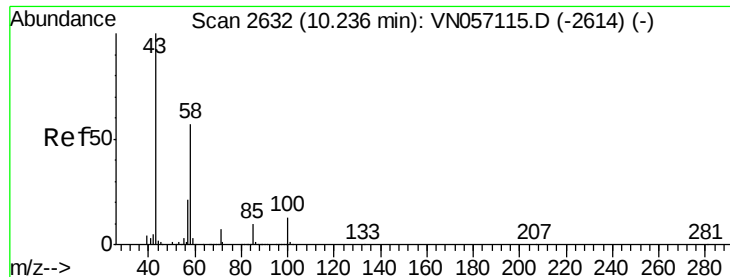
200

100

0

Time-->

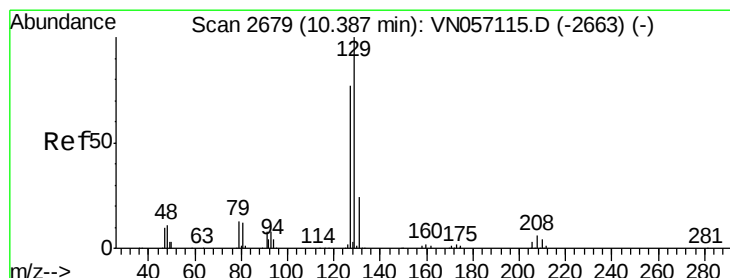
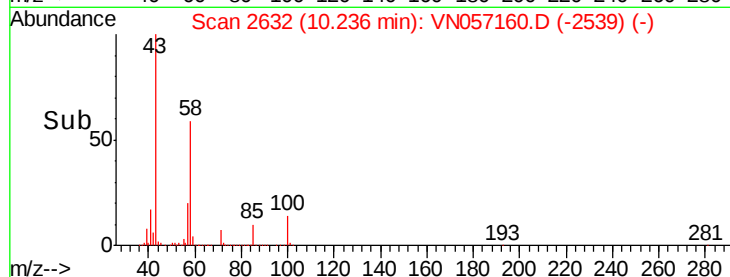
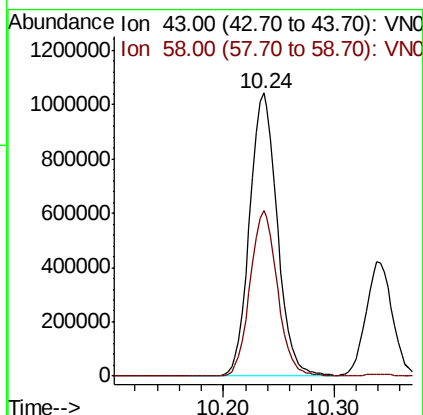
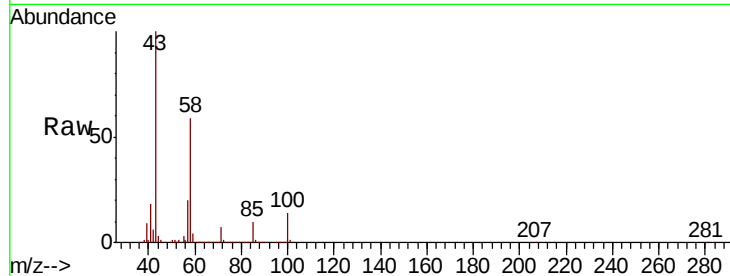




#59
2-Hexanone
Concen: 242.743 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

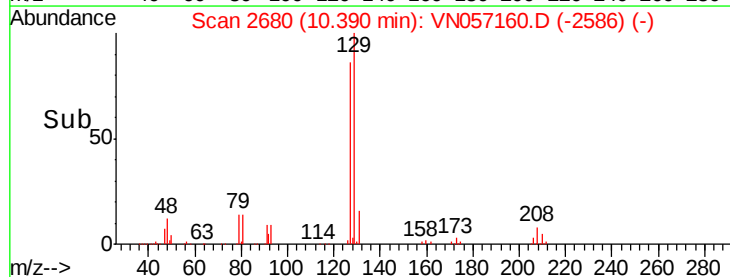
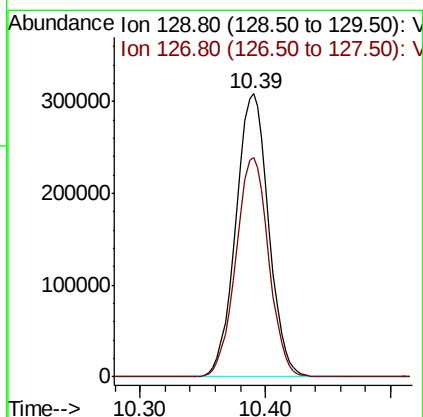
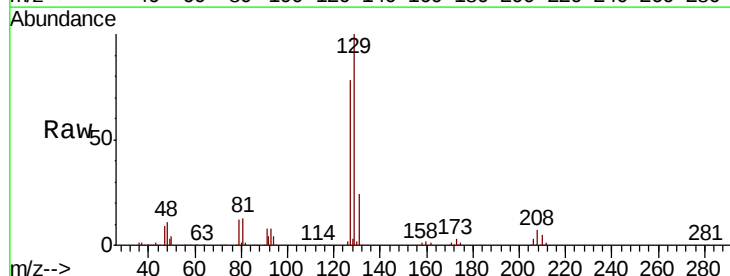
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

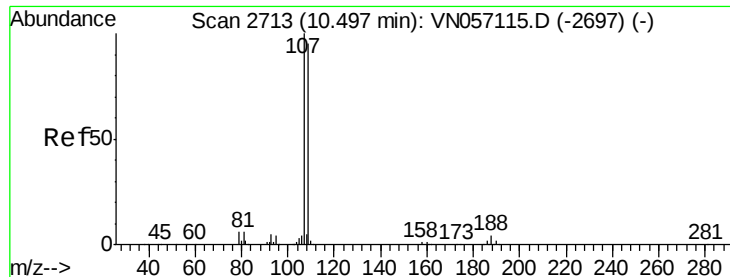
Tgt Ion: 43 Resp: 1805609
Ion Ratio Lower Upper
43 100
58 58.1 29.2 87.6



#60
Dibromochloromethane
Concen: 51.506 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion: 129 Resp: 561118
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

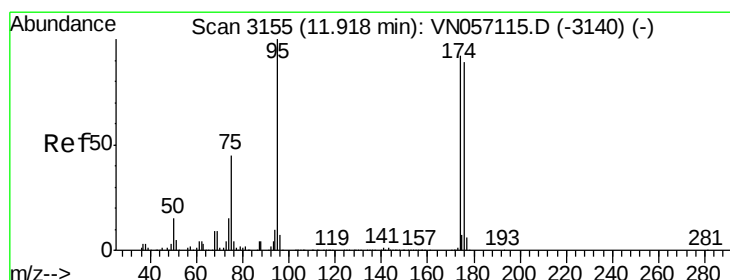
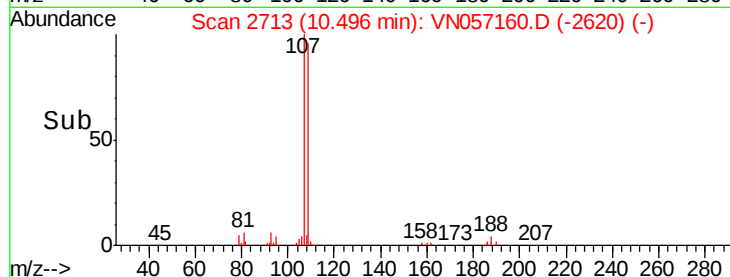
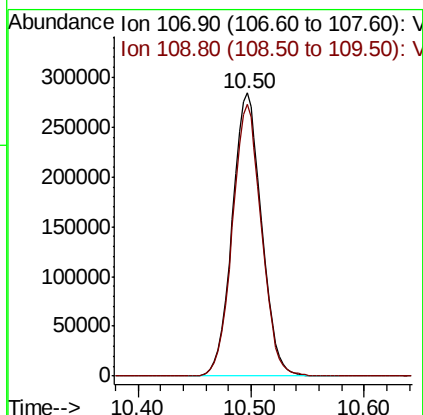
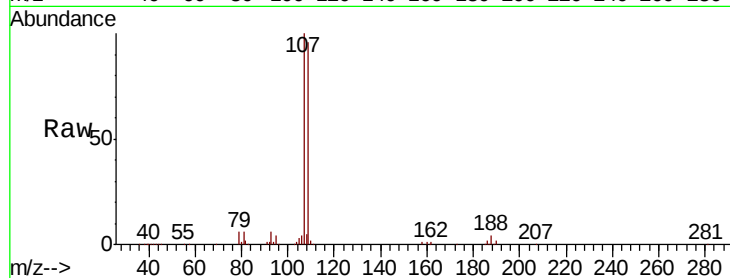




#61
 1,2-Dibromoethane
 Concen: 47.809 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

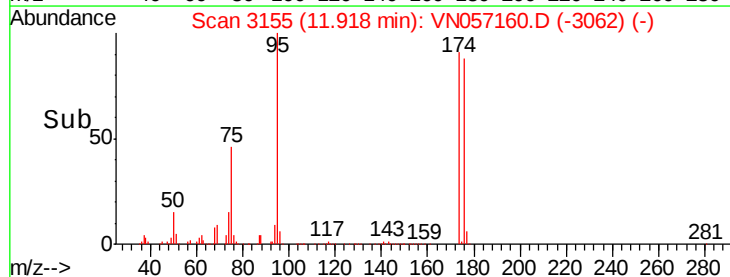
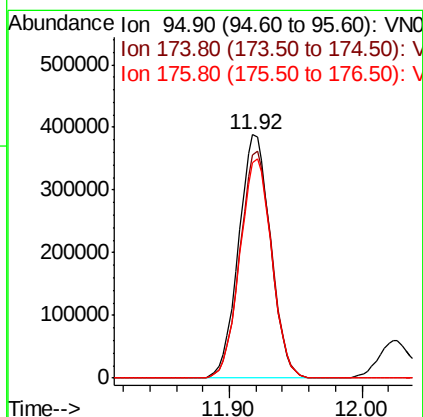
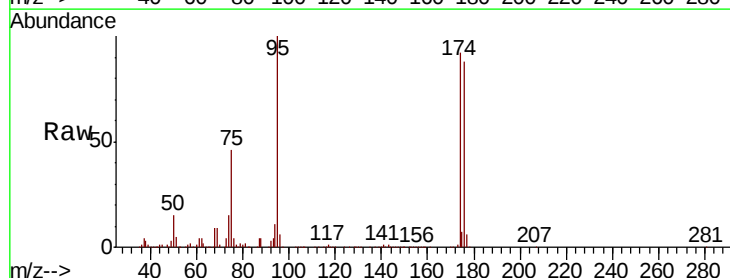
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

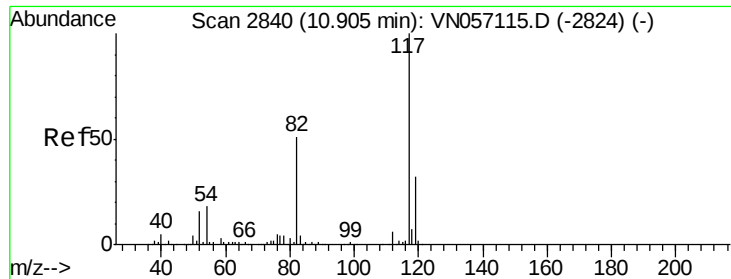
Tgt Ion: 107 Resp: 511755
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.441 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 95 Resp: 648770
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 185.0
 176 89.9 0.0 181.2

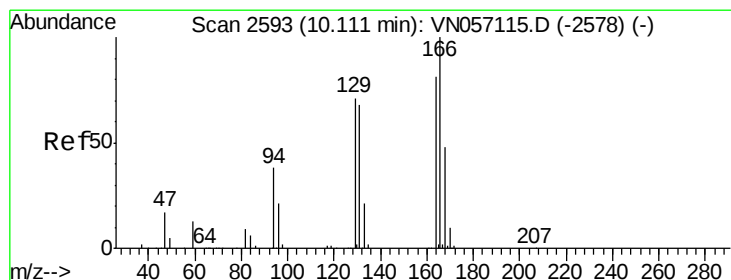
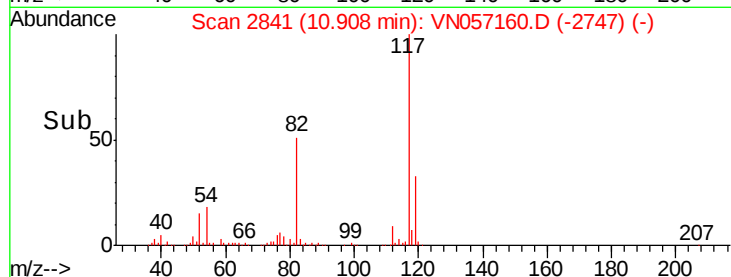
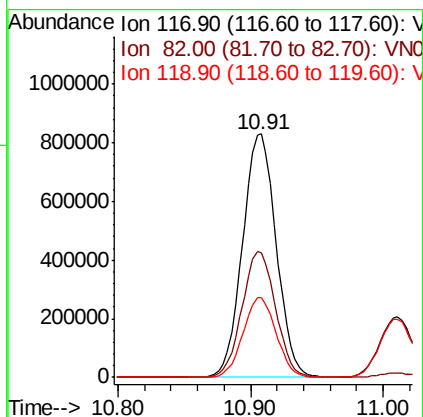
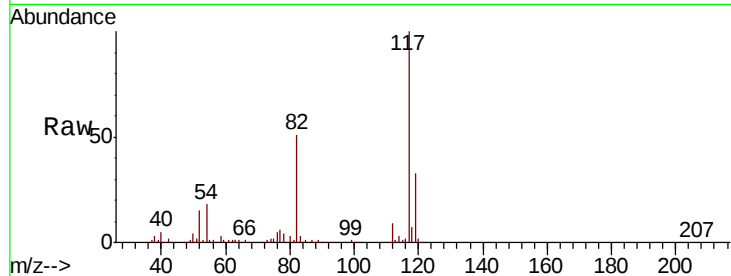




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

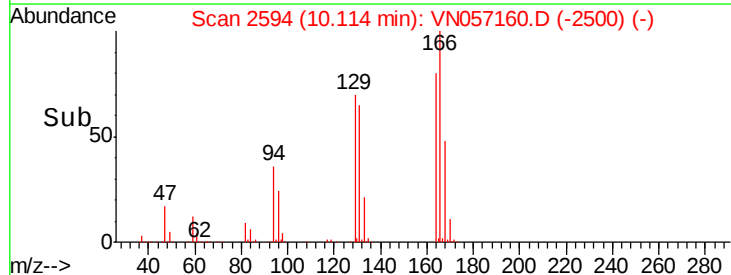
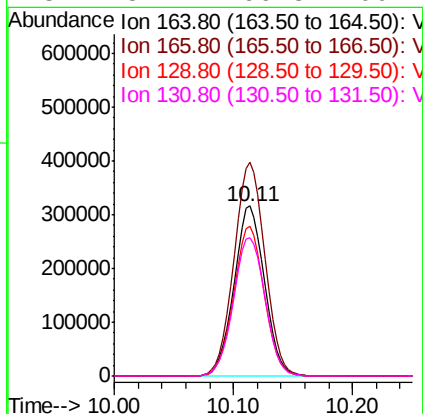
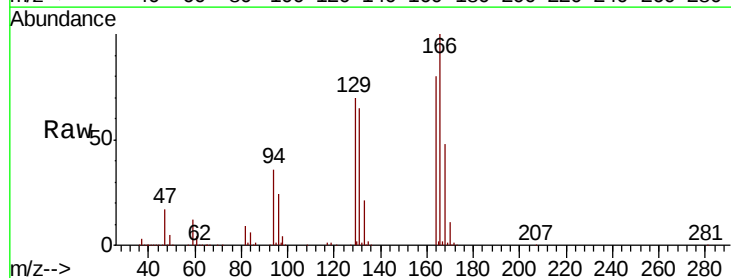
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

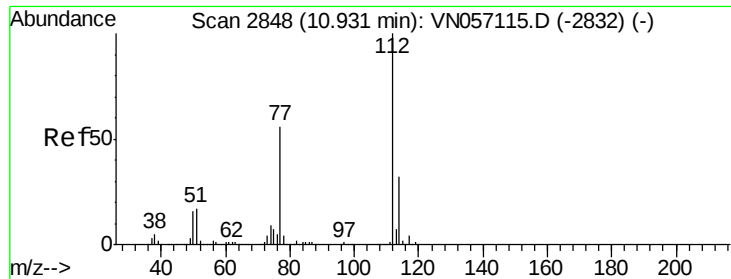
Tgt Ion:117 Resp: 1464226
Ion Ratio Lower Upper
117 100
82 51.3 40.8 61.2
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 45.962 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion:164 Resp: 559691
Ion Ratio Lower Upper
164 100
166 125.5 98.3 147.5
129 88.0 69.8 104.6
131 81.1 66.8 100.2

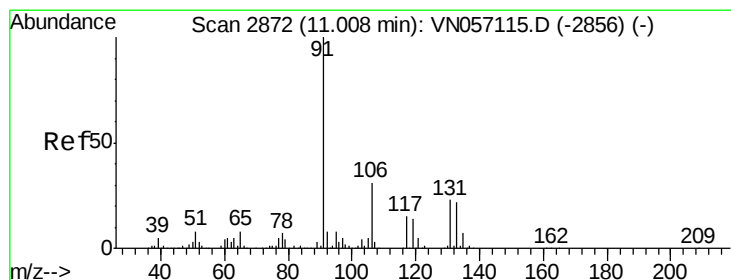
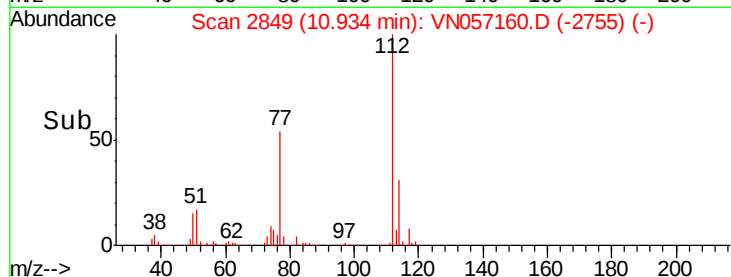
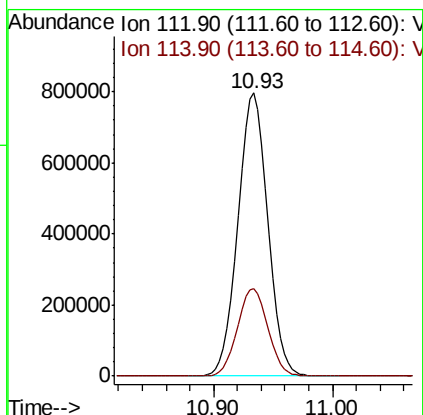
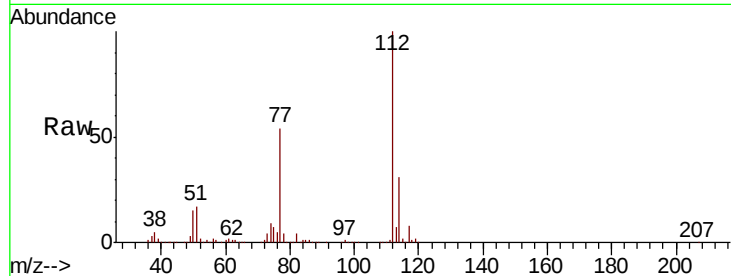




#65
Chlorobenzene
Concen: 46.916 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

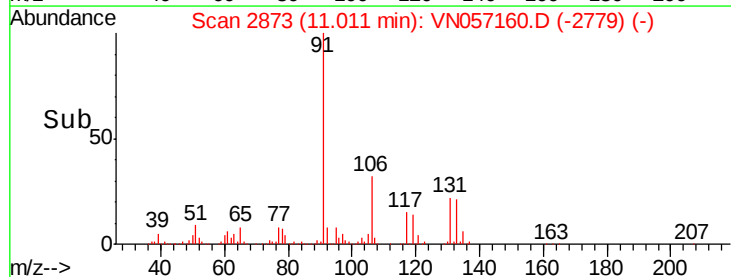
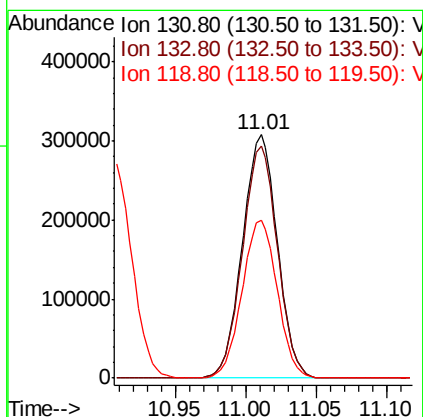
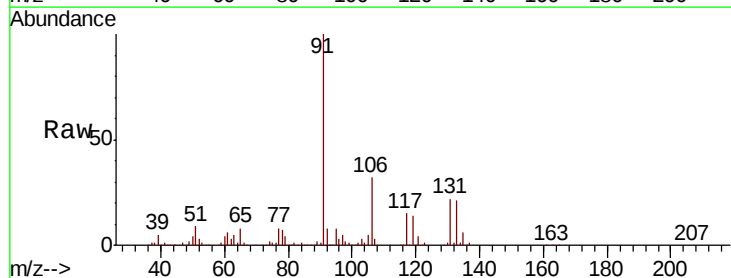
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

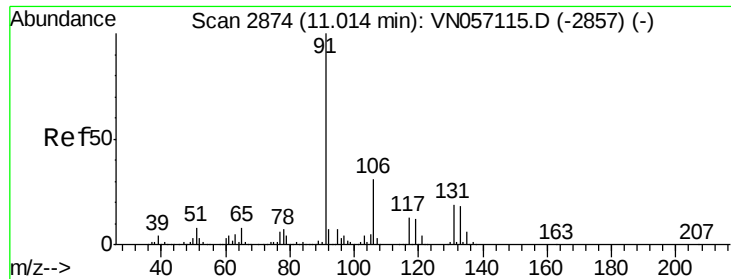
Tgt Ion:112 Resp: 1382206
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 48.492 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion:131 Resp: 534113
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 47.258 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

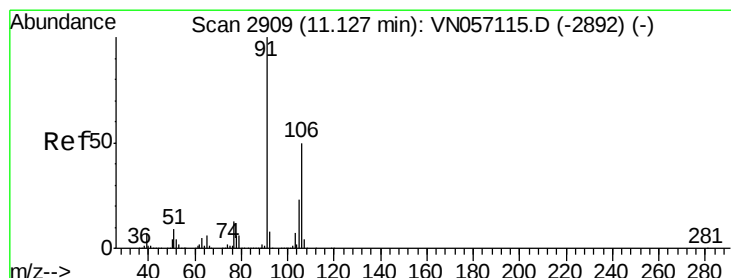
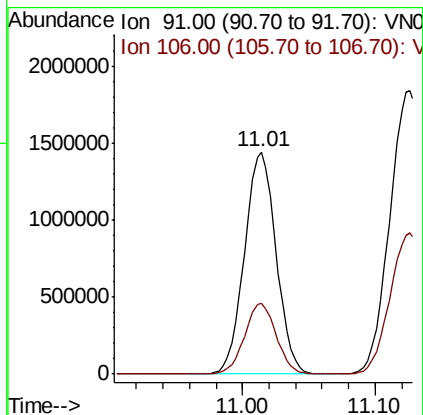
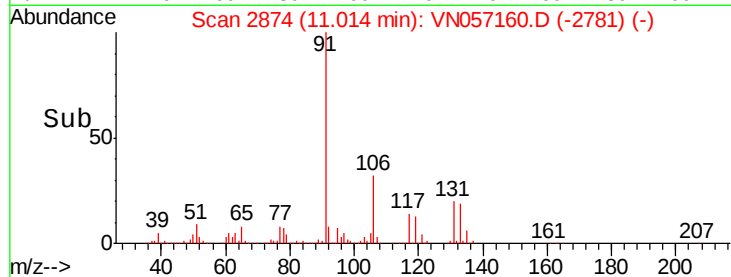
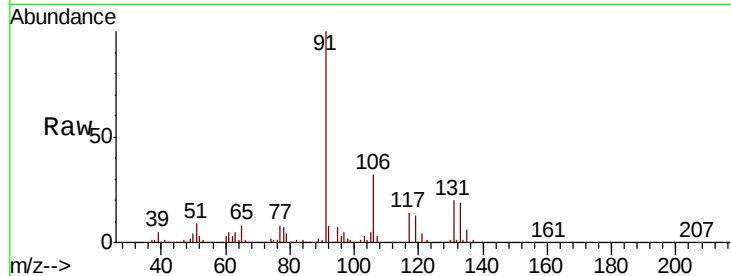
MW-4R_080819MSD

Tgt Ion: 91 Resp: 2396245

Ion Ratio Lower Upper

91 100

106 32.1 25.0 37.4



#68

m/p-Xylenes

Concen: 96.112 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057160.D

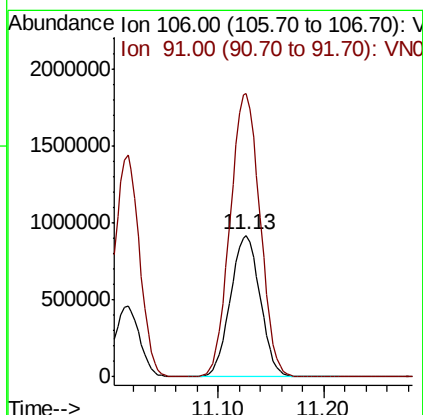
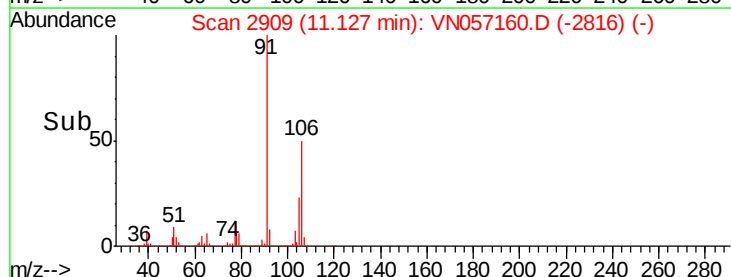
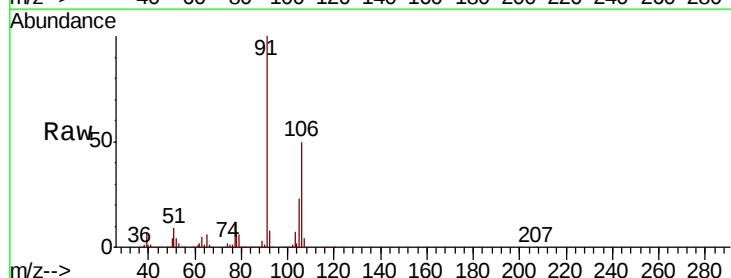
Acq: 9 Aug 2019 20:48

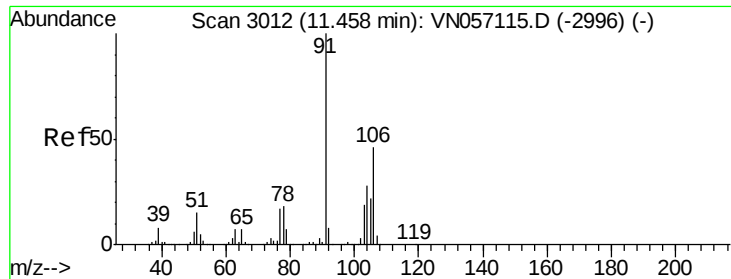
Tgt Ion: 106 Resp: 1795408

Ion Ratio Lower Upper

106 100

91 201.4 159.8 239.8

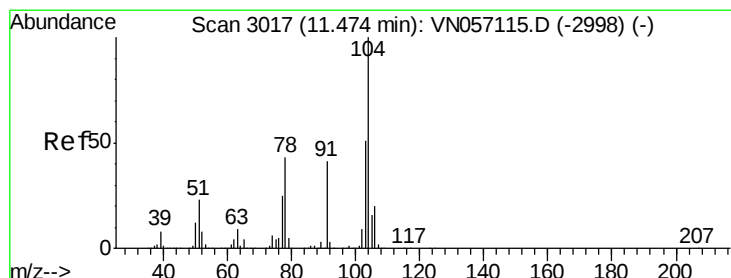
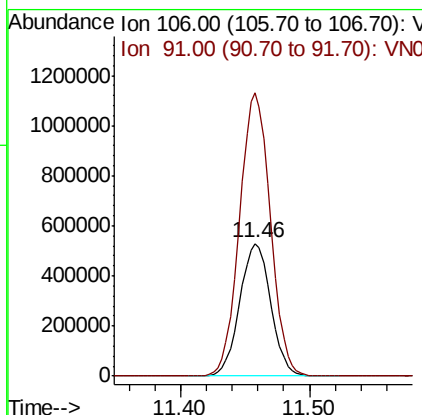
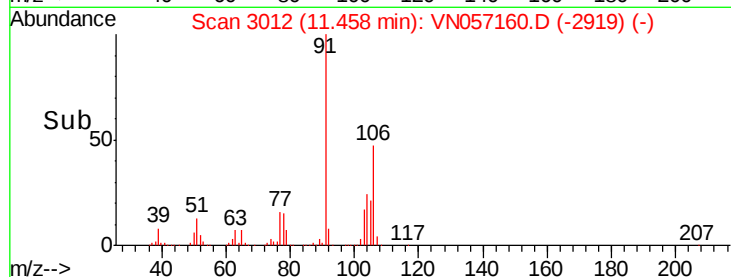
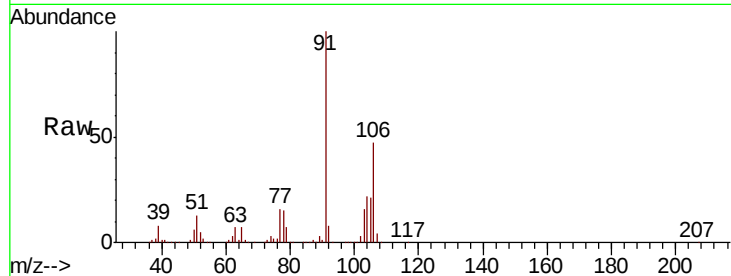




#69
o-Xylene
Concen: 47.498 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

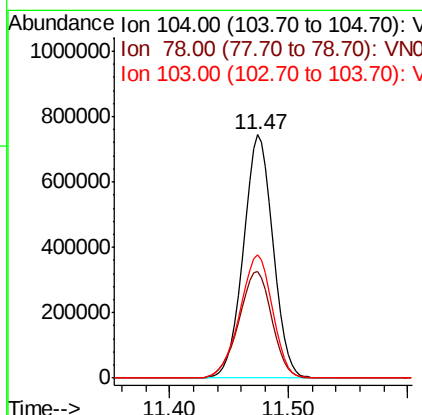
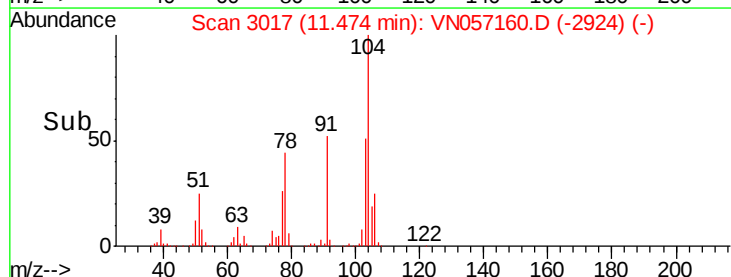
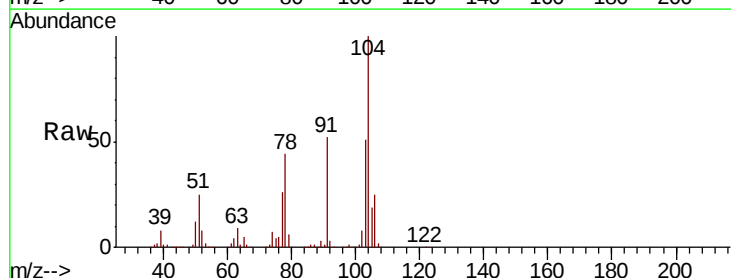
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

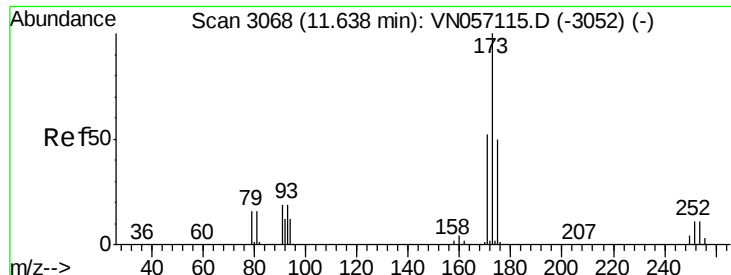
Tgt Ion:106 Resp: 883059
Ion Ratio Lower Upper
106 100
91 213.0 106.8 320.5



#70
Styrene
Concen: 44.135 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion:104 Resp: 1281620
Ion Ratio Lower Upper
104 100
78 49.0 38.5 57.7
103 56.0 44.6 66.8

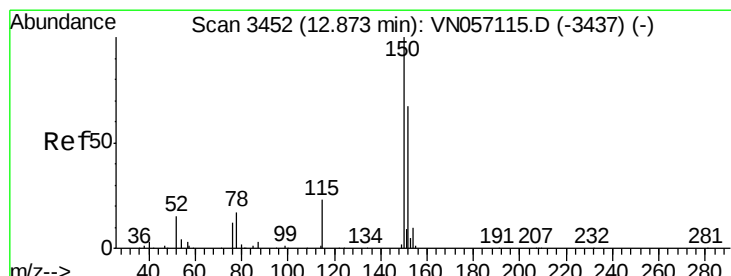
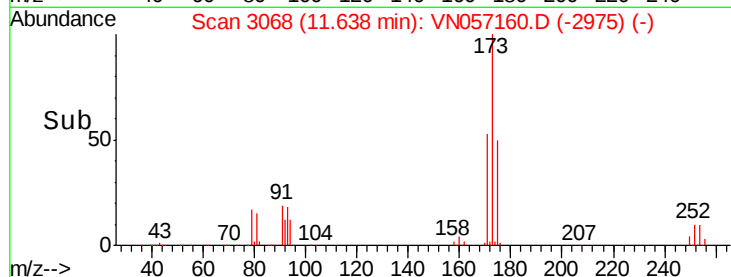
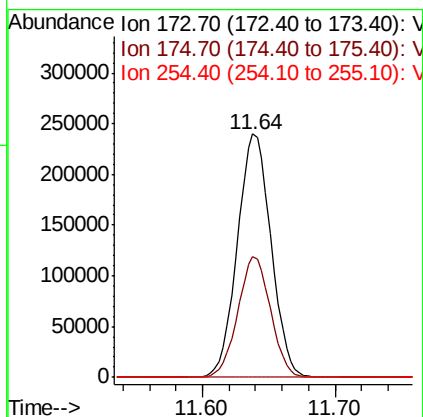
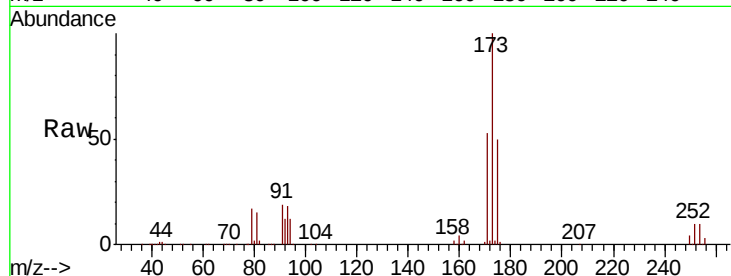




#71
Bromoform
Concen: 52.434 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

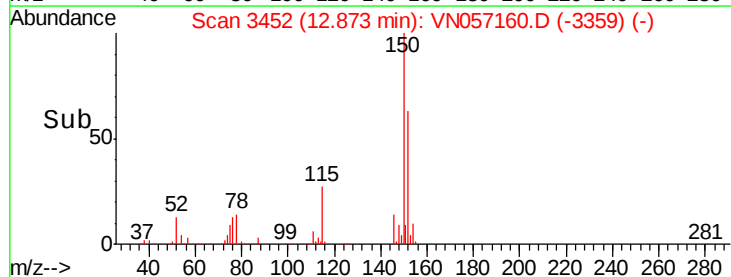
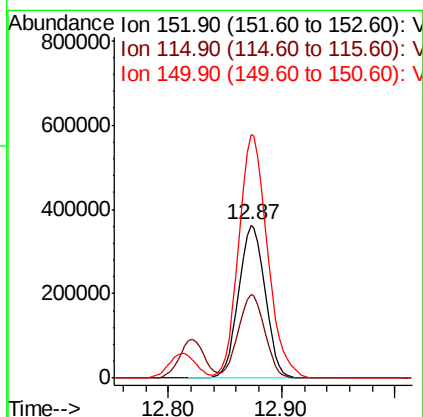
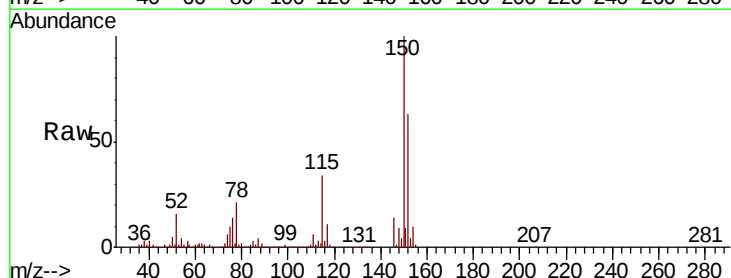
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

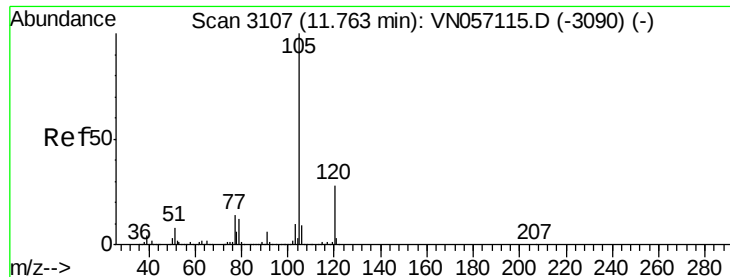
Tgt Ion:173 Resp: 423052
Ion Ratio Lower Upper
173 100
175 48.2 24.6 73.8
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion:152 Resp: 593622
Ion Ratio Lower Upper
152 100
115 54.7 27.5 82.5
150 172.1 0.0 341.6





#73

Isopropylbenzene

Concen: 48.930 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

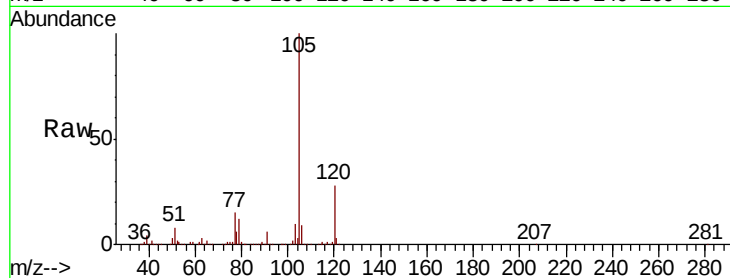
MW-4R_080819MSD

Tgt Ion:105 Resp: 2368484

Ion Ratio Lower Upper

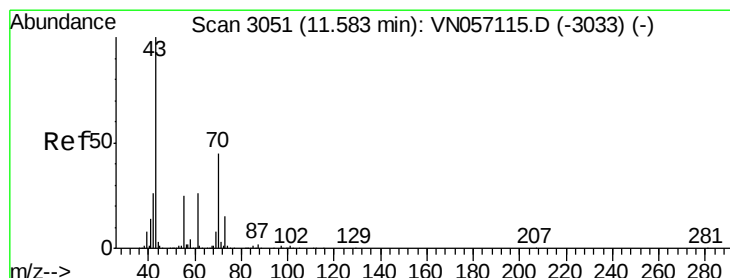
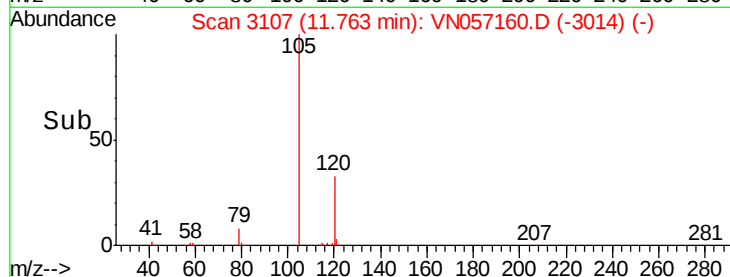
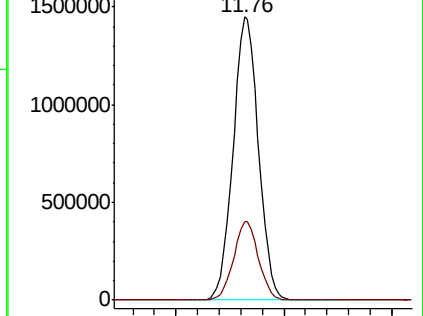
105 100

120 27.2 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.780 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Tgt Ion: 43 Resp: 643535

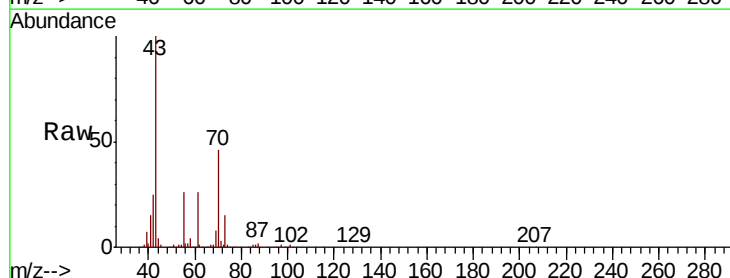
Ion Ratio Lower Upper

43 100

70 46.2 36.8 55.2

55 25.6 20.6 31.0

61 25.9 21.0 31.4

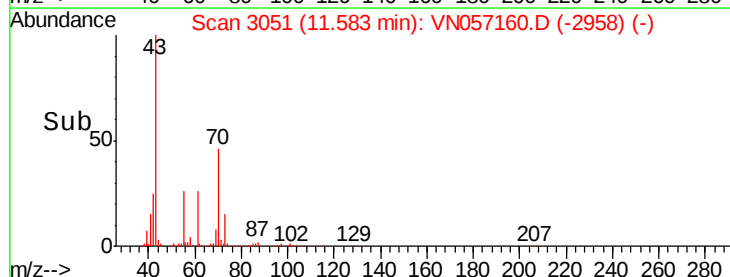
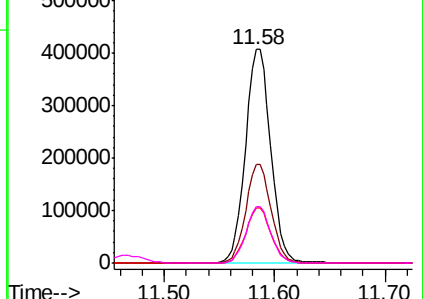


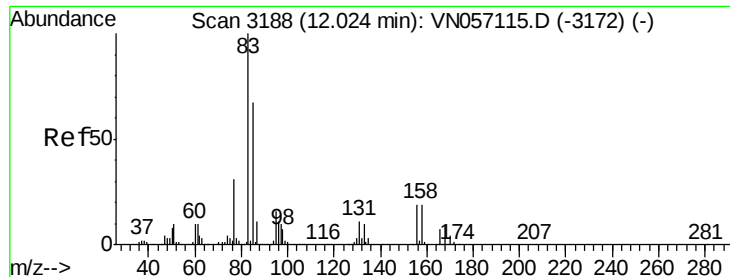
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.823 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MSD

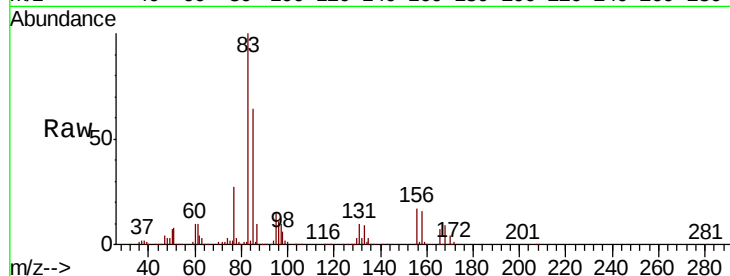
Tgt Ion: 83 Resp: 668873

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

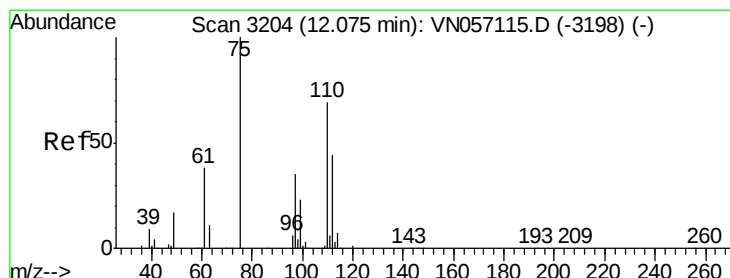
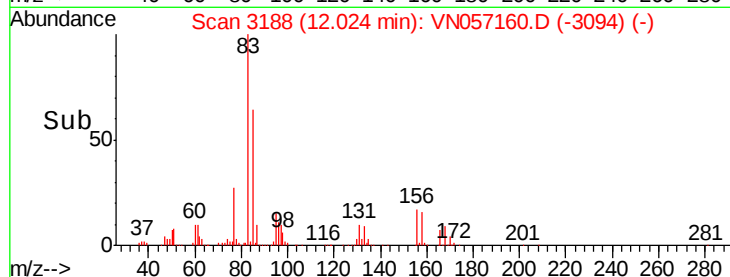
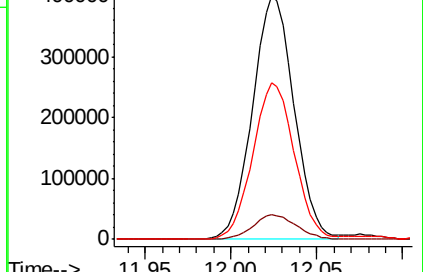
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN057115.D (-3172) (-)

Ion 130.80 (130.50 to 131.50): VN057115.D (-3172) (-)

Ion 84.90 (84.60 to 85.60): VN057115.D (-3172) (-)



#76

1,2,3-Trichloropropane

Concen: 68.964 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057160.D

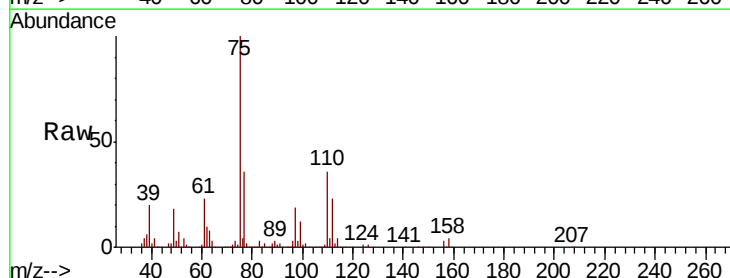
Acq: 9 Aug 2019 20:48

Tgt Ion: 75 Resp: 785966

Ion Ratio Lower Upper

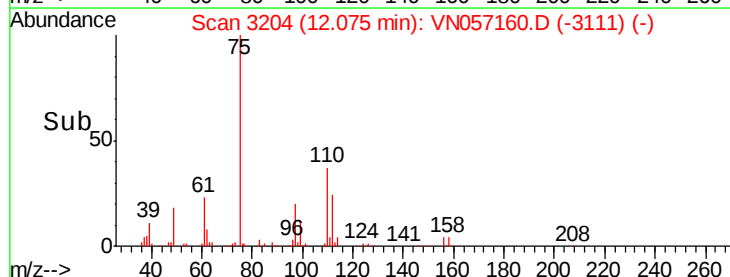
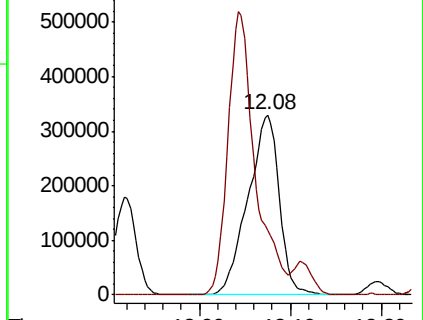
75 100

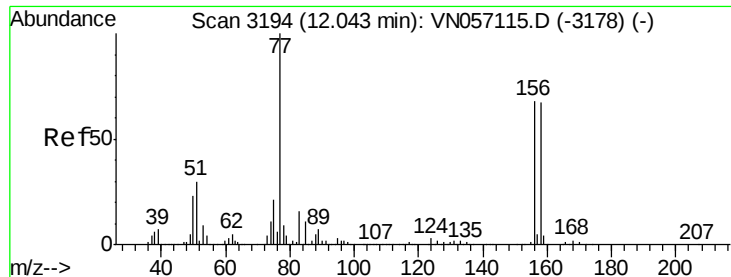
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057115.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN057115.D (-3198) (-)





#77

Bromobenzene

Concen: 43.446 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MSD

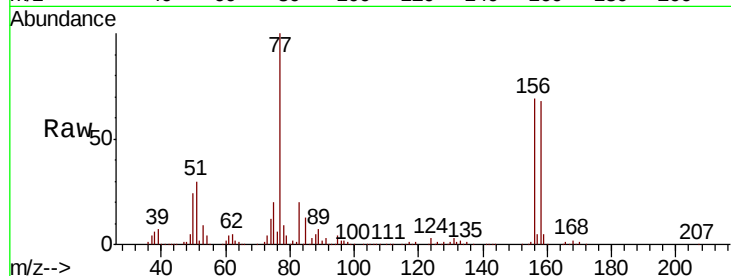
Tgt Ion:156 Resp: 619895

Ion Ratio Lower Upper

156 100

77 174.1 88.7 266.1

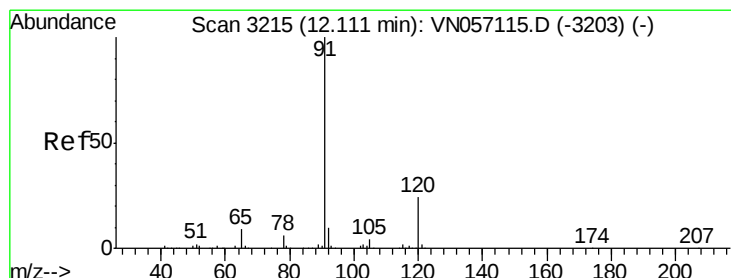
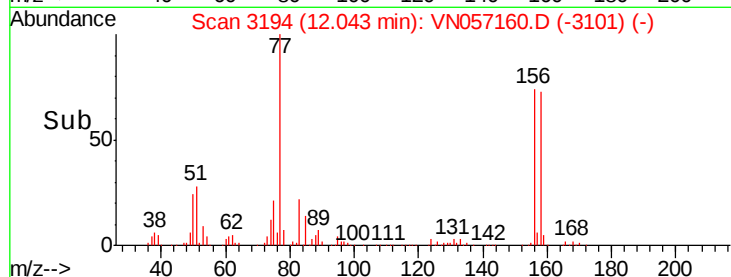
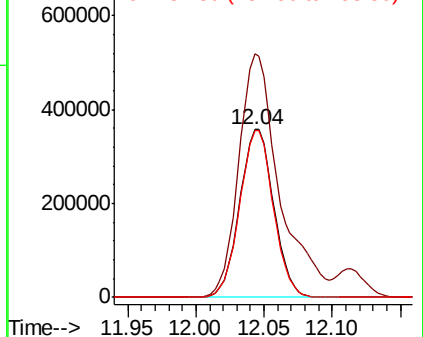
158 98.0 49.3 147.8



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: 43.791 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057160.D

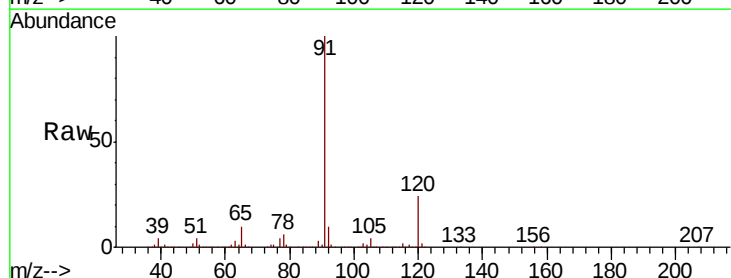
Acq: 9 Aug 2019 20:48

Tgt Ion: 91 Resp: 2493887

Ion Ratio Lower Upper

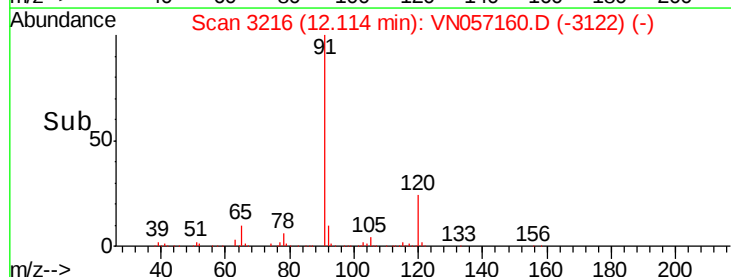
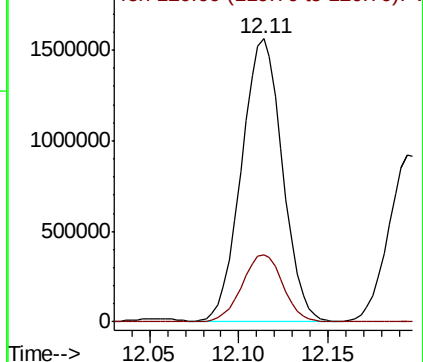
91 100

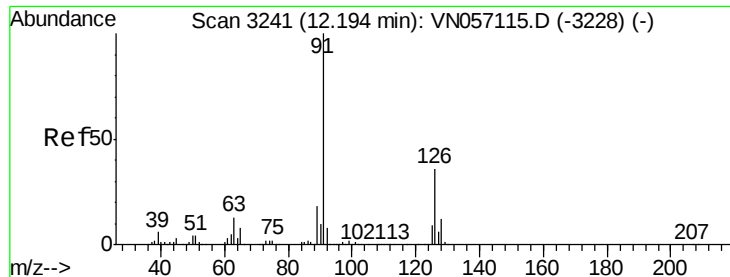
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

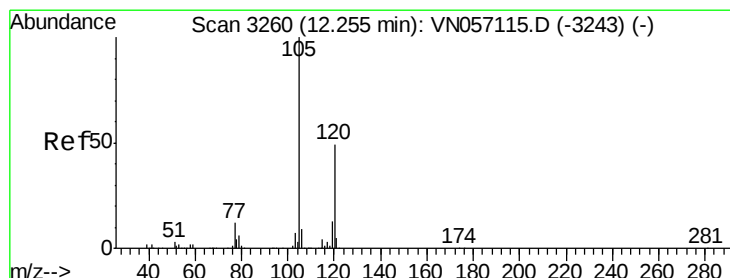
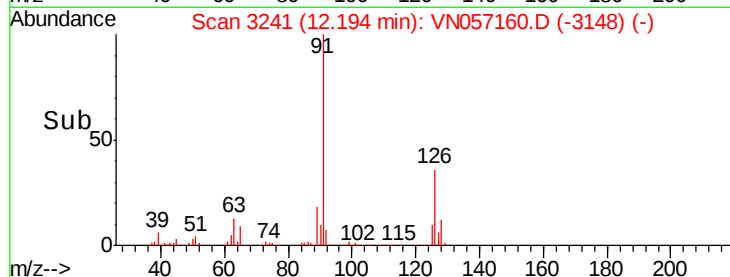
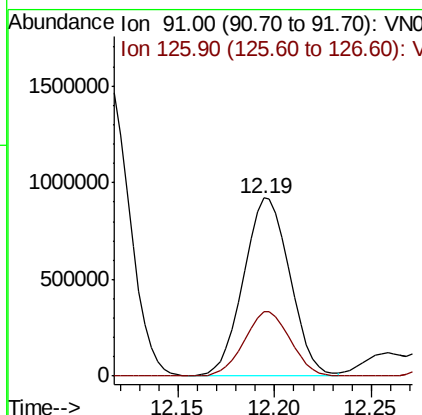
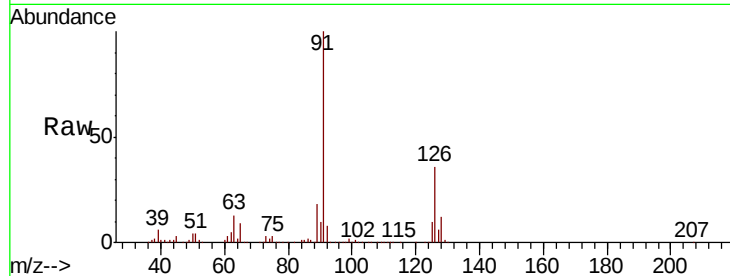




#79
 2-Chlorotoluene
 Concen: 48.316 ug/l
 RT: 12.19 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

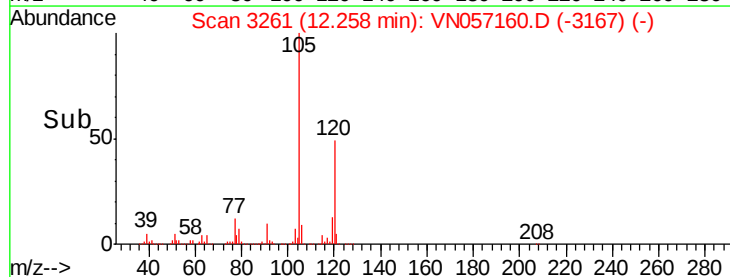
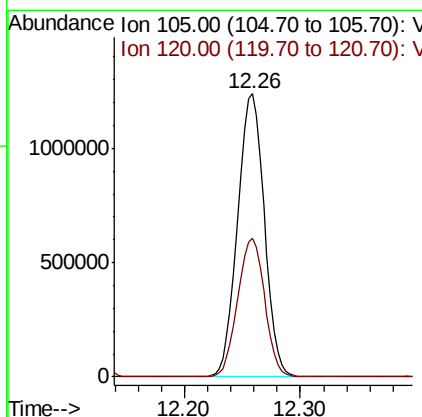
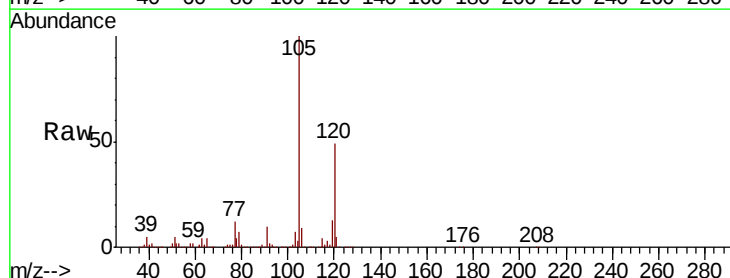
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

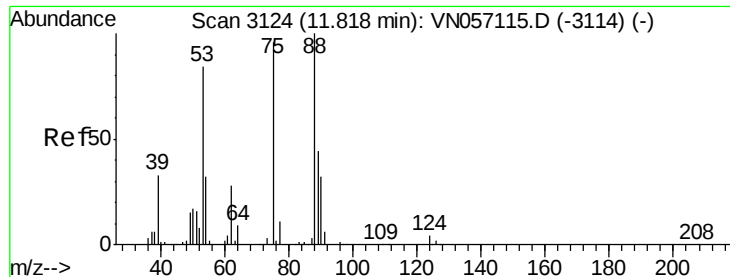
Tgt Ion: 91 Resp: 1535181
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.1 54.3



#80
 1,3,5-Trimethylbenzene
 Concen: 43.116 ug/l
 RT: 12.26 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion: 105 Resp: 1975964
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 45.789 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MSD

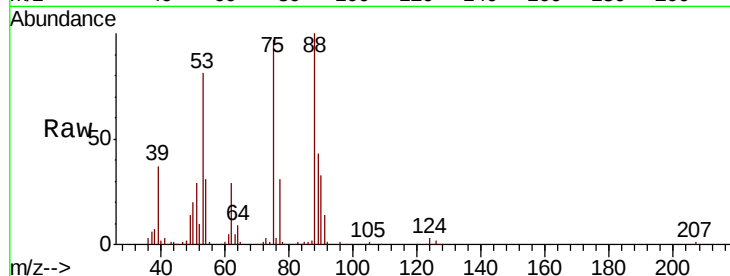
Tgt Ion: 75 Resp: 184863

Ion Ratio Lower Upper

75 100

53 84.6 70.6 106.0

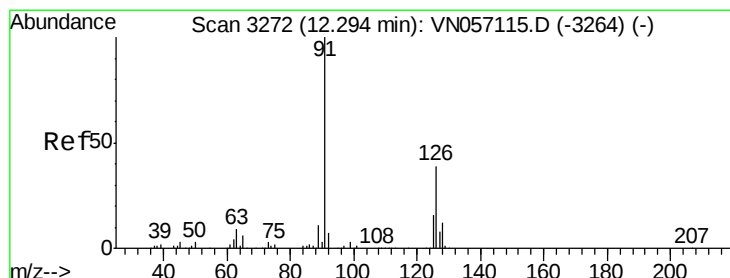
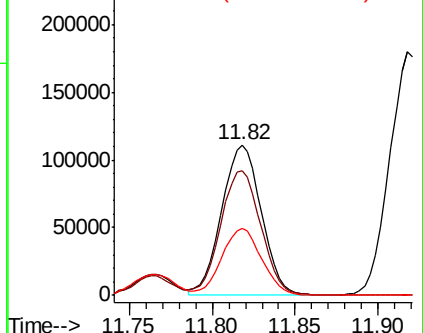
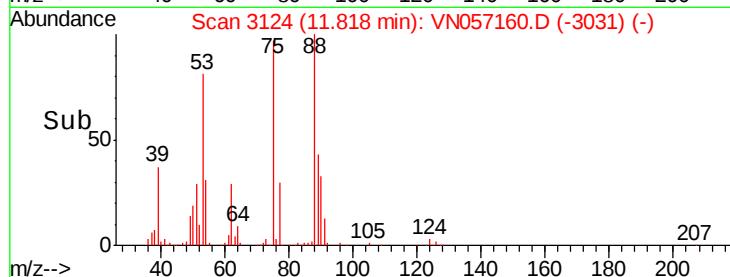
89 44.4 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN057160.D (-3031) (-)

Ion 53.00 (52.70 to 53.70): VN057160.D (-3031) (-)

Ion 88.90 (88.60 to 89.60): VN057160.D (-3031) (-)



#82

4-Chlorotoluene

Concen: 44.228 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057160.D

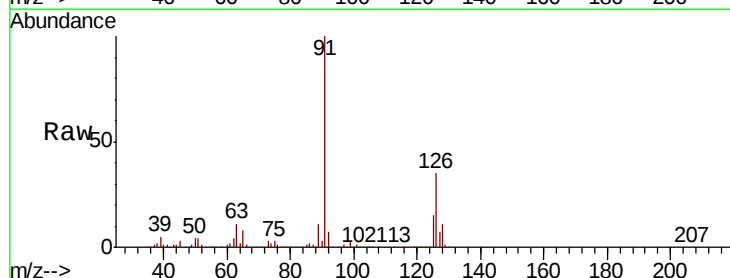
Acq: 9 Aug 2019 20:48

Tgt Ion: 91 Resp: 1458410

Ion Ratio Lower Upper

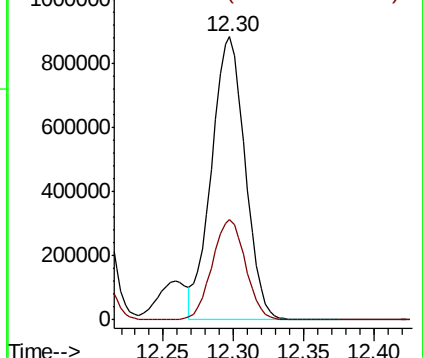
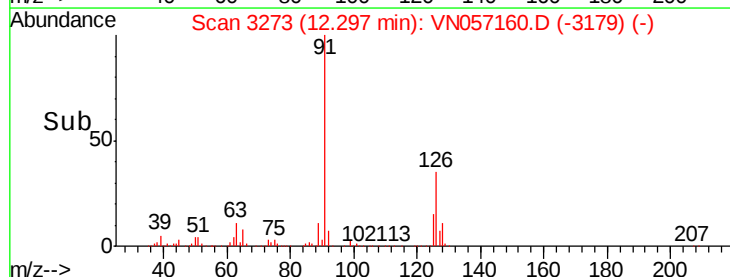
91 100

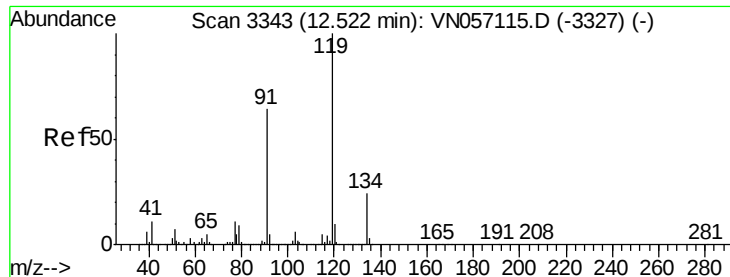
126 35.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN057160.D (-3179) (-)

Ion 125.90 (125.60 to 126.60): VN057160.D (-3179) (-)

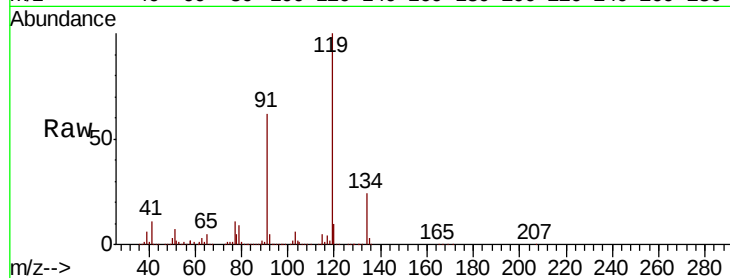




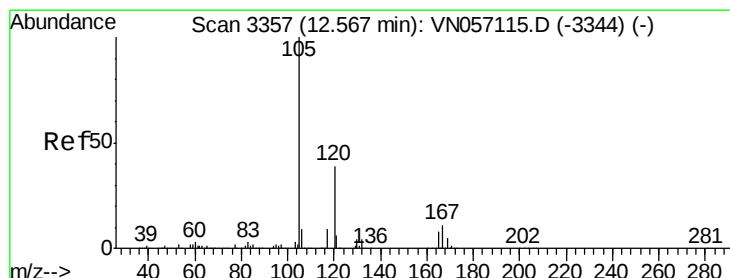
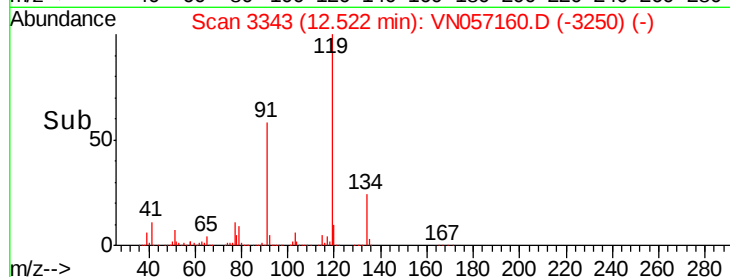
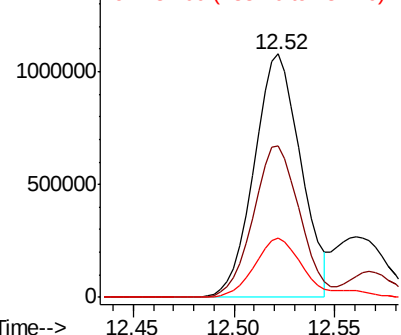
#83
tert-Butylbenzene
Concen: 47.796 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MSD

Tgt Ion:119 Resp: 1730089
Ion Ratio Lower Upper
119 100
91 62.2 31.4 94.2
134 26.6 13.2 39.6

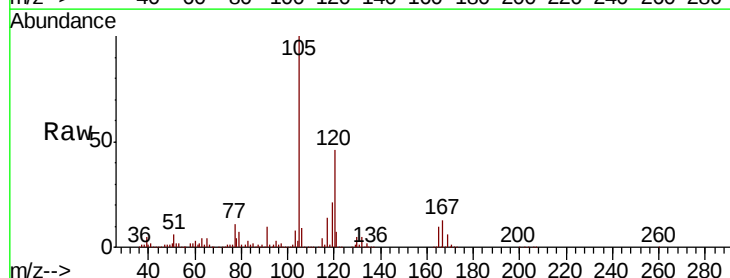


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

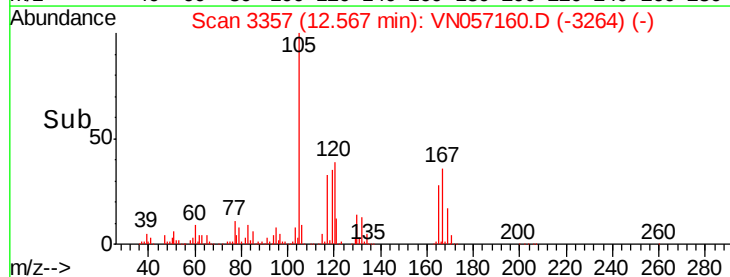
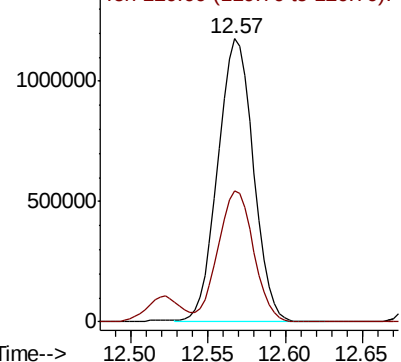


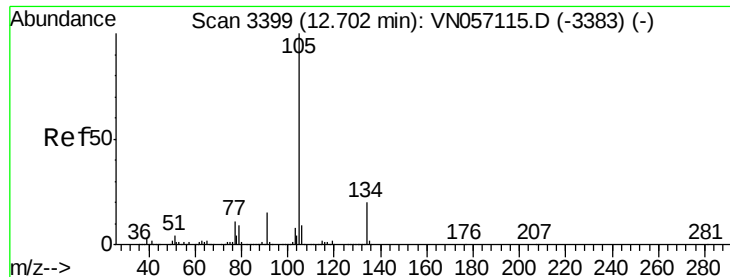
#84
1,2,4-Trimethylbenzene
Concen: 42.355 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN057160.D
Acq: 9 Aug 2019 20:48

Tgt Ion:105 Resp: 1876217
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.8



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

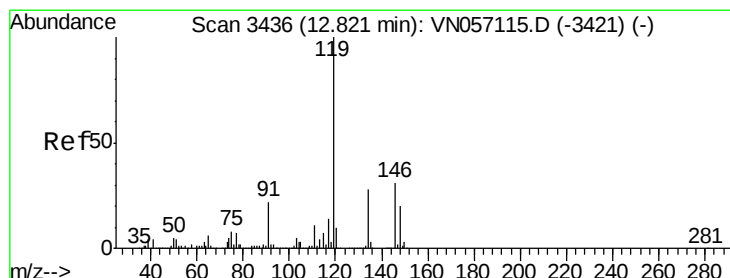
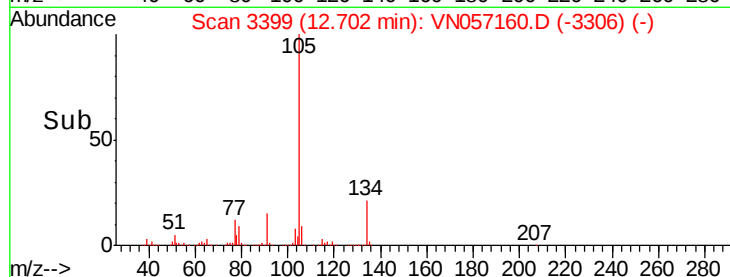
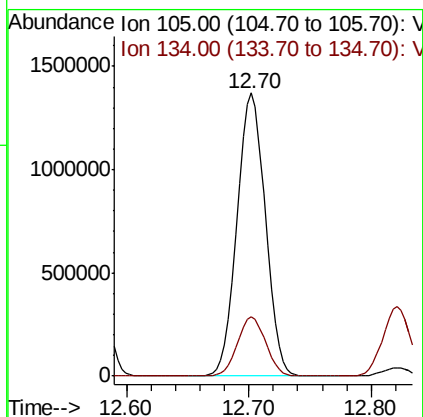
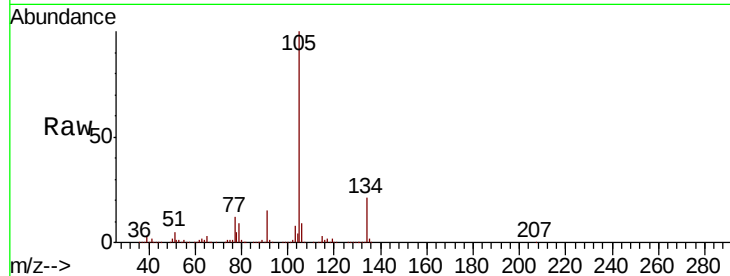




#85
 sec-Butylbenzene
 Concen: 42.373 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

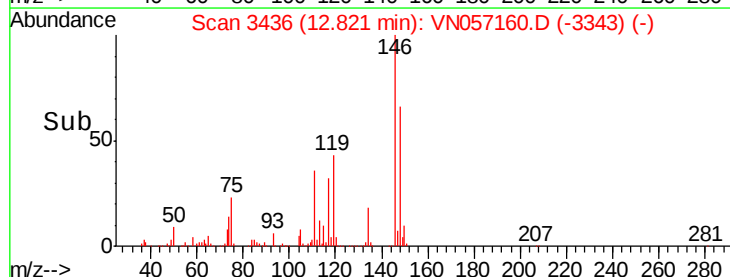
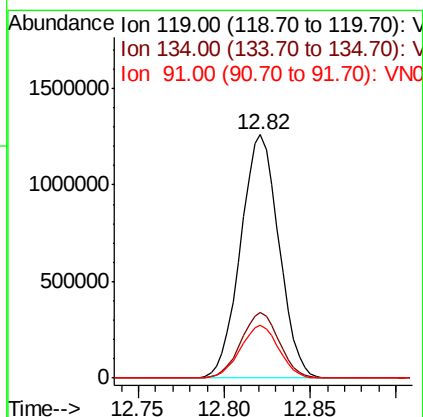
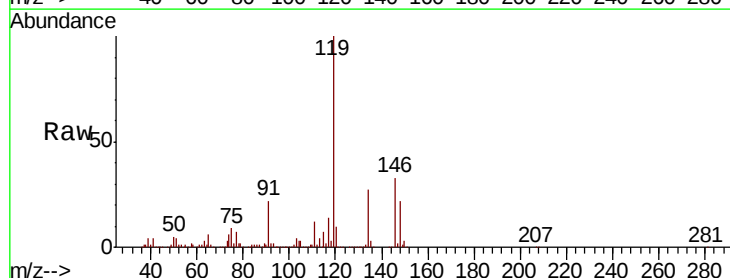
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

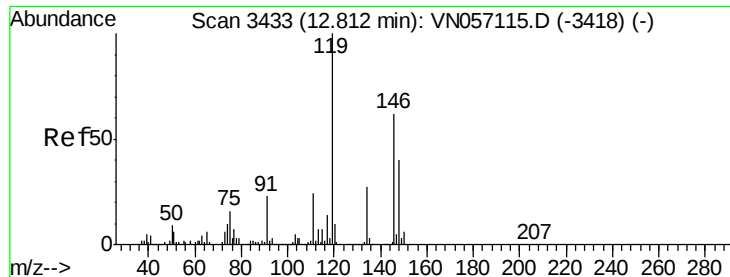
Tgt Ion:105 Resp: 2191507
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 42.853 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion:119 Resp: 1944774
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.8 41.3
 91 21.7 11.0 33.0

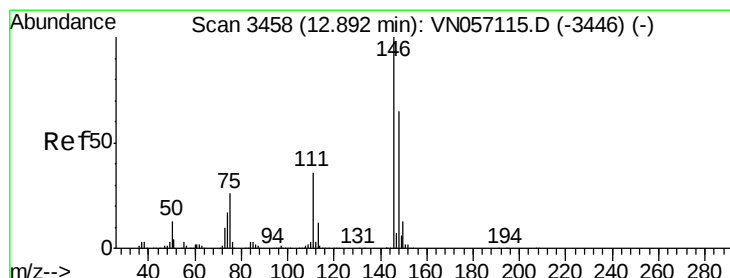
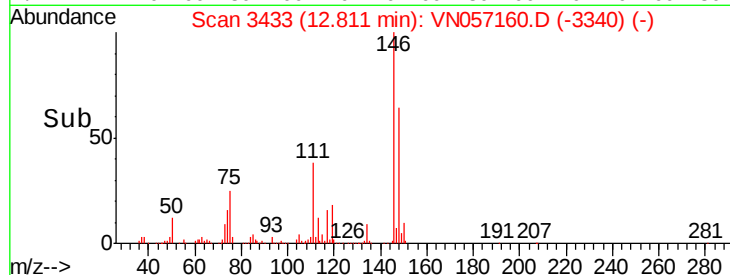
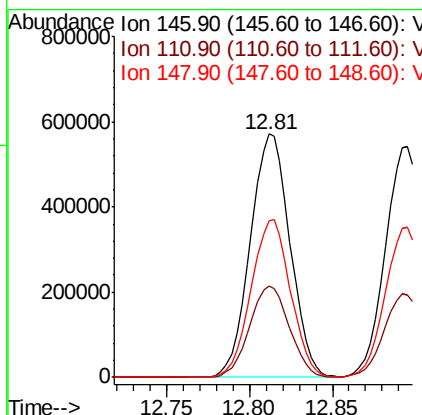
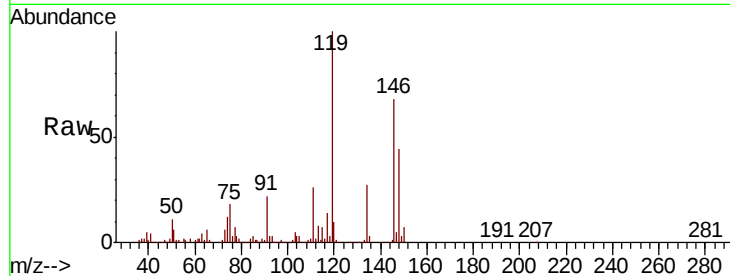




#87
 1,3-Dichlorobenzene
 Concen: 46.760 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

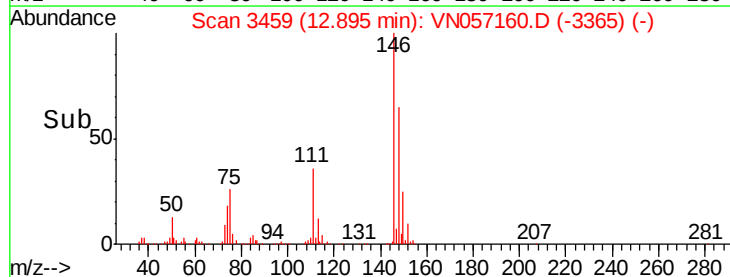
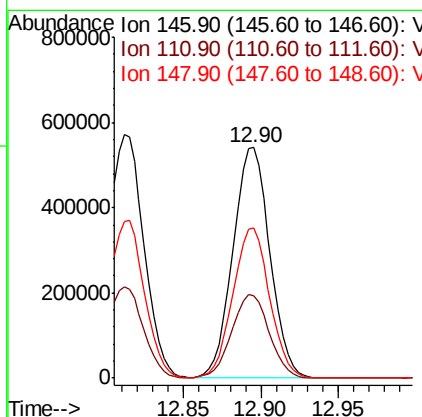
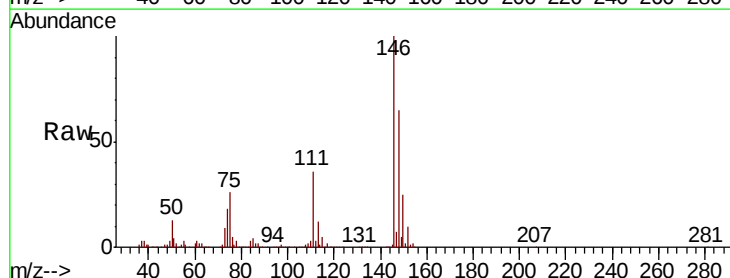
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

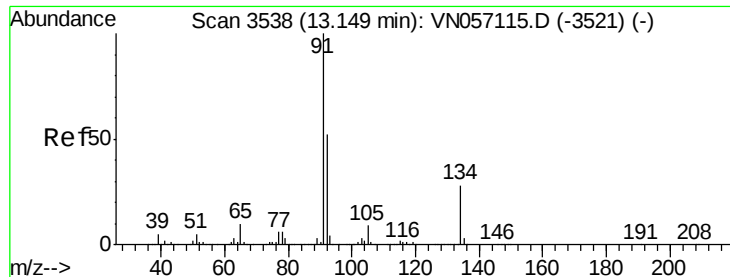
Tgt Ion:146 Resp: 949856
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 64.5 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 46.551 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion:146 Resp: 895944
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.2 54.6
 148 64.9 32.0 96.2





#89

n-Butylbenzene

Concen: 44.095 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MSD

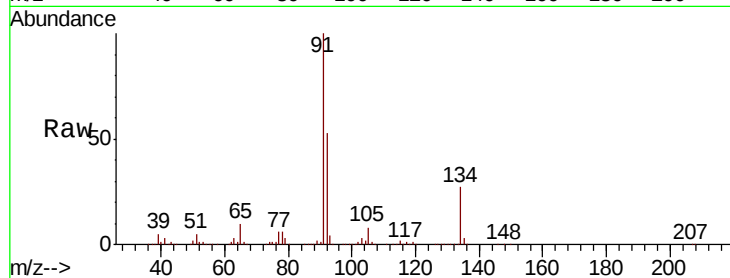
Tgt Ion: 91 Resp: 1382564

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.4

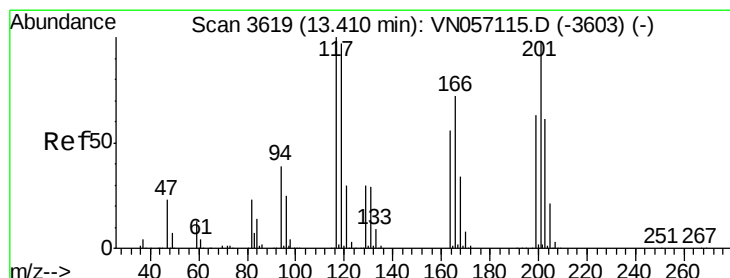
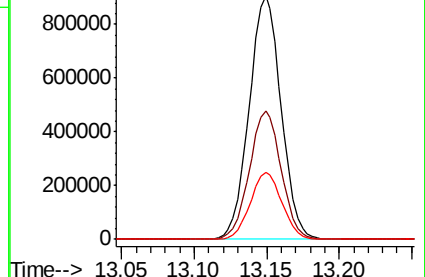
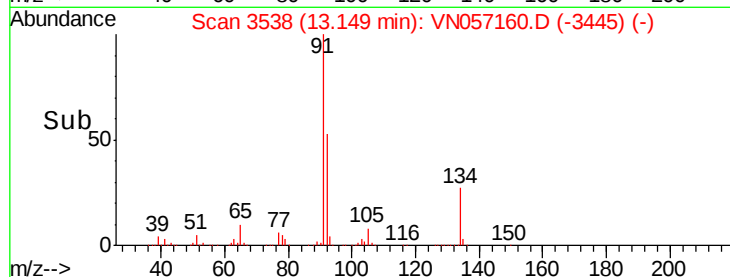
134 27.5 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057160.D (-3445) (-)

Ion 92.00 (91.70 to 92.70): VN057160.D (-3445) (-)

Ion 134.00 (133.70 to 134.70): VN057160.D (-3445) (-)



#90

Hexachloroethane

Concen: 50.050 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057160.D

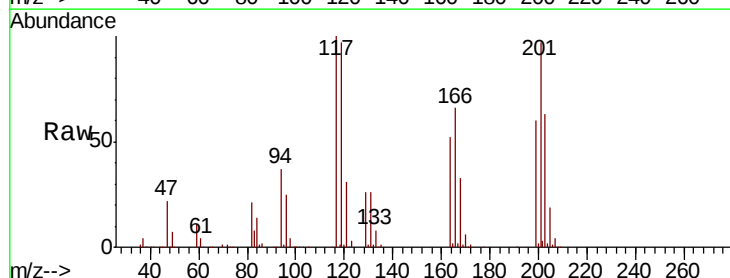
Acq: 9 Aug 2019 20:48

Tgt Ion: 117 Resp: 361055

Ion Ratio Lower Upper

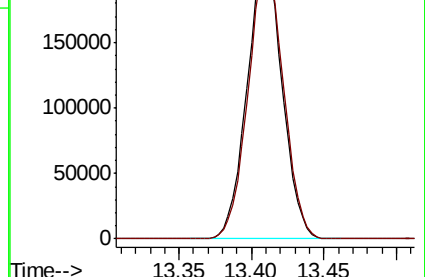
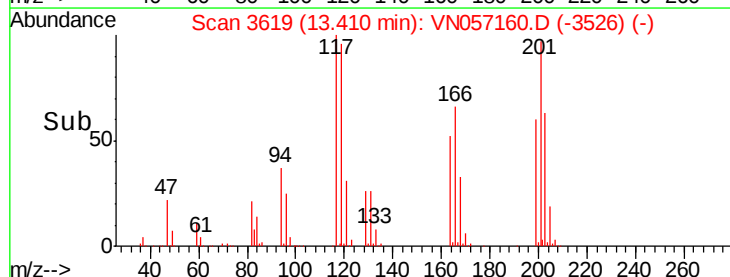
117 100

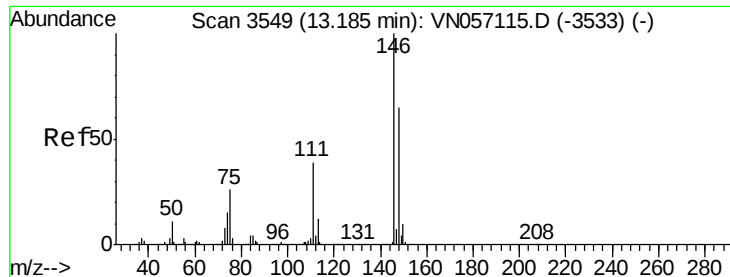
201 98.4 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057160.D (-3526) (-)

Ion 200.70 (200.40 to 201.40): VN057160.D (-3526) (-)





#91

1,2-Dichlorobenzene

Concen: 47.135 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MSD

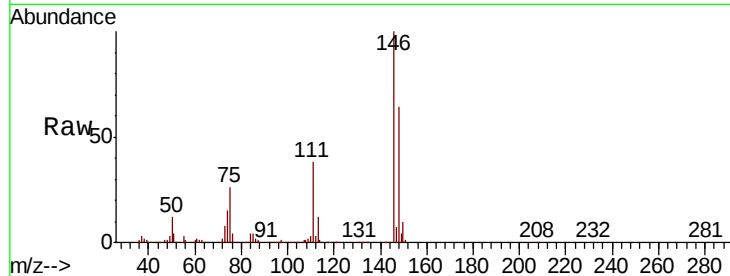
Tgt Ion:146 Resp: 956133

Ion Ratio Lower Upper

146 100

111 38.2 19.2 57.6

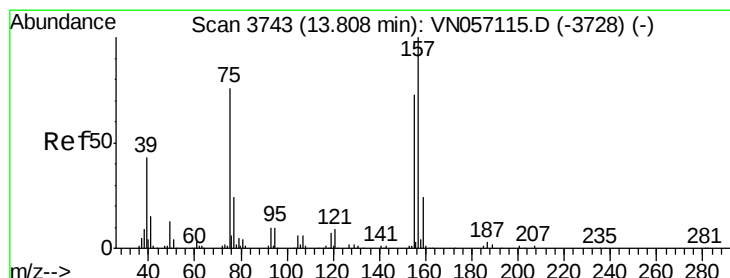
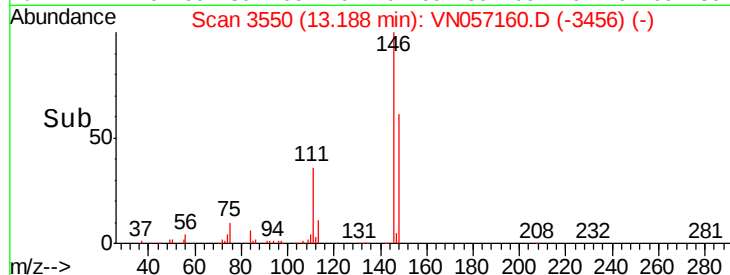
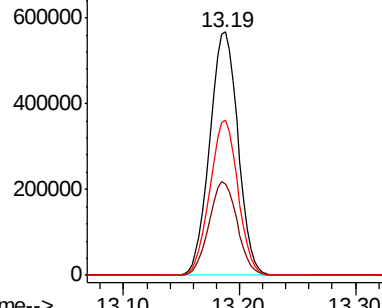
148 63.3 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.199 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

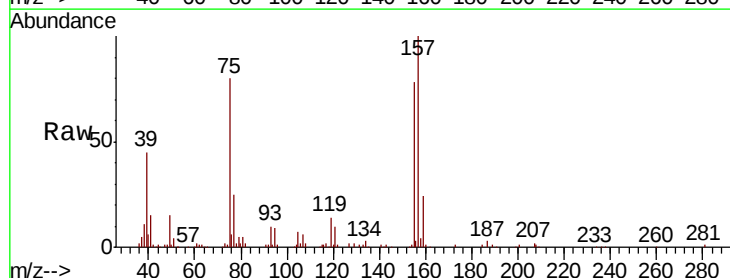
Tgt Ion: 75 Resp: 96406

Ion Ratio Lower Upper

75 100

155 97.6 49.3 147.9

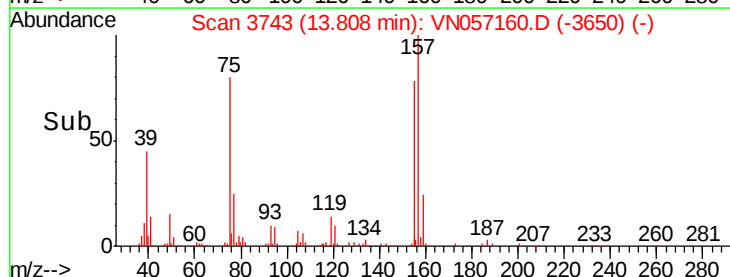
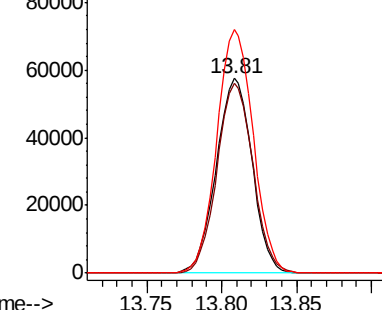
157 126.3 65.3 195.8

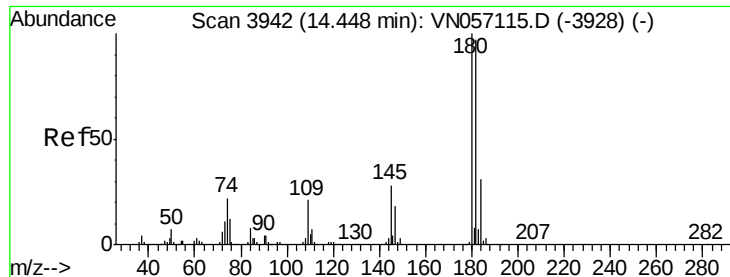


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

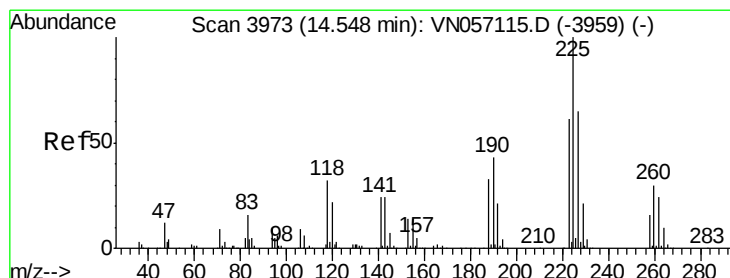
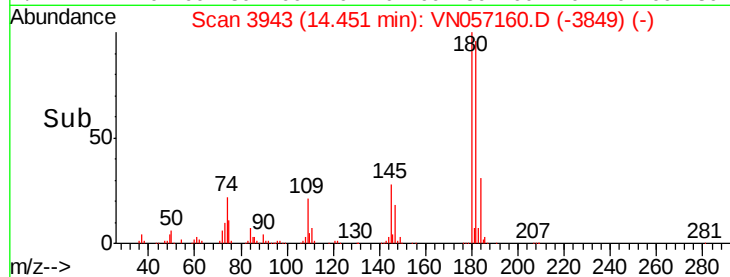
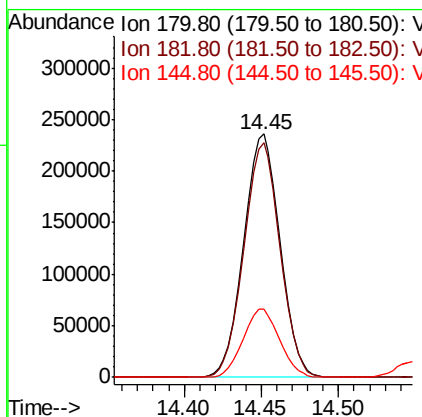
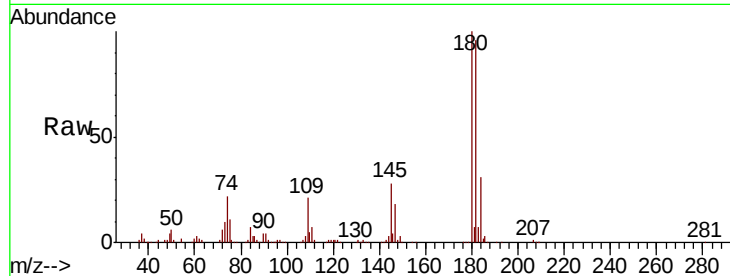




#93
 1,2,4-Trichlorobenzene
 Concen: 45.552 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

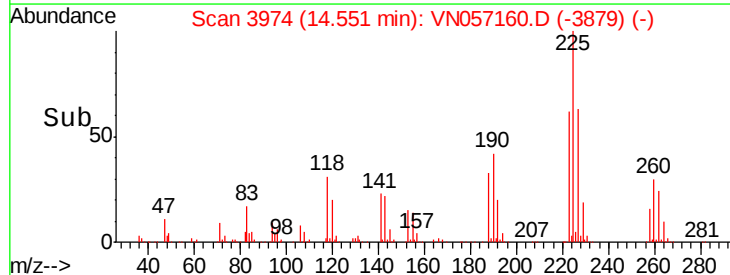
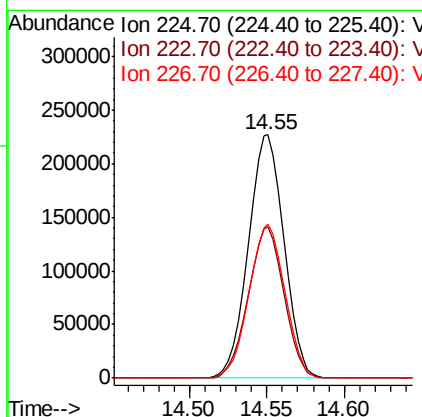
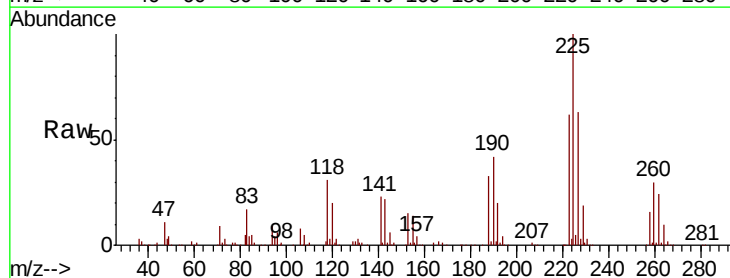
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

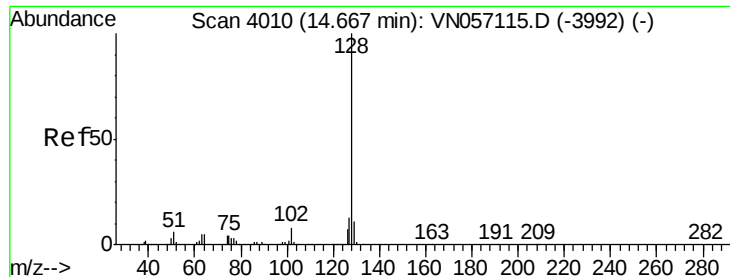
Tgt Ion:180 Resp: 386744
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.5 142.6
 145 28.2 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 51.677 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057160.D
 Acq: 9 Aug 2019 20:48

Tgt Ion:225 Resp: 364936
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.9 92.8
 227 63.4 32.4 97.0





#95

Naphthalene

Concen: 43.866 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MSD

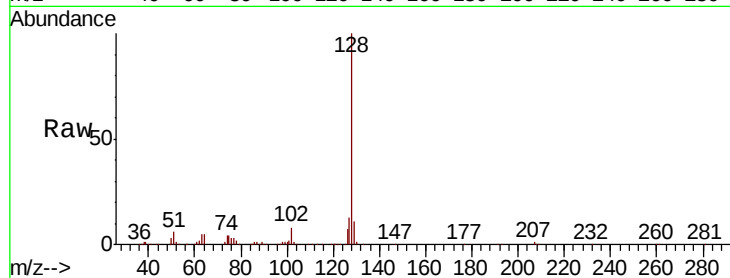
Tgt Ion:128 Resp: 733637

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

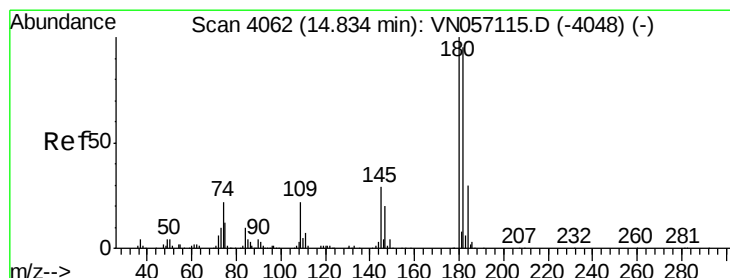
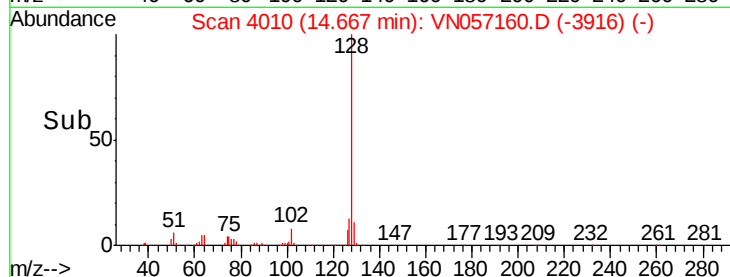
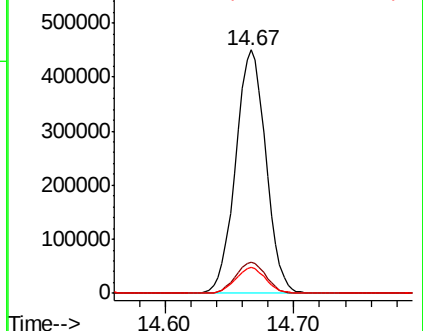
129 10.8 8.8 13.2



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: 42.900 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057160.D

Acq: 9 Aug 2019 20:48

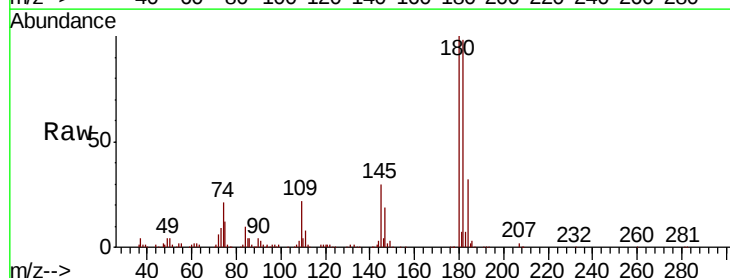
Tgt Ion:180 Resp: 373555

Ion Ratio Lower Upper

180 100

182 96.9 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

