

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057159.D
 Acq On : 9 Aug 2019 20:24
 Operator : JC/SP
 Sample : K4262-07MS
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R 080819MS

Quant Time: Aug 10 02:15:40 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	1040965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1561636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1400777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	564376	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	533971	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	6.99	113	489123	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	9.56	98	1828134	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.92	95	600061	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	391496	46.793	ug/l	99
3) Chloromethane	2.00	50	484414	43.576	ug/l	99
4) Vinyl Chloride	2.11	62	486047	47.039	ug/l	98
5) Bromomethane	2.43	94	333617	47.518	ug/l	99
6) Chloroethane	2.55	64	329730	49.750	ug/l	97
7) Trichlorofluoromethane	2.83	101	747736	50.344	ug/l	99
8) Diethyl Ether	3.14	74	288387	50.256	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	444754	49.396	ug/l	99
10) Methyl Iodide	3.63	142	678721	49.884	ug/l	100
11) Tert butyl alcohol	4.23	59	325566	213.703	ug/l	98
12) 1,1-Dichloroethene	3.43	96	452931	51.135	ug/l	99
13) Acrolein	3.31	56	183077	189.961	ug/l	99
14) Allyl chloride	3.91	41	644709	50.085	ug/l	98
15) Acrylonitrile	4.45	53	1072456	260.109	ug/l	98
16) Acetone	3.47	43	799646	247.332	ug/l	100
17) Carbon Disulfide	3.72	76	1159410	49.202	ug/l	99
18) Methyl Acetate	3.89	43	452075	46.890	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1401353	52.405	ug/l	99
20) Methylene Chloride	4.10	84	522588	48.977	ug/l	97
21) trans-1,2-Dichloroethene	4.51	96	481480	49.900	ug/l	99
22) Diisopropyl ether	5.32	45	1424757	50.744	ug/l	97
23) Vinyl Acetate	5.26	43	5178644	240.859	ug/l	100
24) 1,1-Dichloroethane	5.25	63	882041	51.102	ug/l	98
25) 2-Butanone	6.20	43	1279870	259.100	ug/l	98
26) 2,2-Dichloropropane	6.21	77	588349	46.853	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	567945	51.380	ug/l	99
28) Bromochloromethane	6.59	49	423611	53.357	ug/l	99
29) Tetrahydrofuran	6.60	42	853822	256.590	ug/l	98
30) Chloroform	6.76	83	903262	50.562	ug/l	98
31) Cyclohexane	7.07	56	736991	47.460	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	785687	52.428	ug/l	99
36) 1,1-Dichloropropene	7.20	75	662597	51.533	ug/l	99
37) Ethyl Acetate	6.28	43	505224	47.666	ug/l #	100
38) Carbon Tetrachloride	7.19	117	699294	52.186	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	753623	48.198	ug/l	96
40) Benzene	7.46	78	2022339	49.684	ug/l	99
41) Methacrylonitrile	6.55	41	277809	51.599	ug/l	98
42) 1,2-Dichloroethane	7.54	62	656713	50.588	ug/l	99
43) Isopropyl Acetate	7.56	43	885181	48.938	ug/l	98
44) Trichloroethene	8.27	130	571171	50.087	ug/l	100
45) 1,2-Dichloropropane	8.56	63	533479	50.618	ug/l	99
46) Dibromomethane	8.65	93	347997	51.496	ug/l	99
47) Bromodichloromethane	8.85	83	702441	53.721	ug/l	99
48) Methyl methacrylate	8.64	41	425998	49.946	ug/l	97
49) 1,4-Dioxane	8.64	88	172876	995.187	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	2696967	256.196	ug/l	100
52) Toluene	9.63	92	1291351	51.110	ug/l	100
53) t-1,3-Dichloropropene	9.86	75	718270	52.582	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	806063	51.425	ug/l	100
55) 1,1,2-Trichloroethane	10.04	97	502315	50.557	ug/l	99
56) Ethyl methacrylate	9.90	69	730745	52.529	ug/l	99
57) 1,3-Dichloropropane	10.19	76	832586	50.815	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.16	63	404	13.184	ug/l #	47
59) 2-Hexanone	10.24	43	1881032	264.021	ug/l	99
60) Dibromochloromethane	10.39	129	568121	54.445	ug/l	99
61) 1,2-Dibromoethane	10.50	107	525357	51.241	ug/l	100
64) Tetrachloroethene	10.11	164	569947	48.925	ug/l	96
65) Chlorobenzene	10.93	112	1390853	49.348	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	543888	51.616	ug/l	99
67) Ethyl Benzene	11.01	91	2457688	50.665	ug/l	100
68) m/p-Xylenes	11.13	106	1823954	102.063	ug/l	98
69) o-Xylene	11.46	106	908823	51.098	ug/l	97
70) Styrene	11.47	104	1306920	47.045	ug/l	98
71) Bromoform	11.64	173	433882	56.212	ug/l #	99
73) Isopropylbenzene	11.77	105	2431351	53.054	ug/l	98
74) N-amyl acetate	11.58	43	645127	45.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	689794	56.604	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	807221	74.753	ug/l #	100
77) Bromobenzene	12.05	156	636159	46.896	ug/l	99
78) n-propylbenzene	12.11	91	2515012	46.451	ug/l	100
79) 2-Chlorotoluene	12.20	91	1550675	51.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	2014974	46.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	191199	49.812	ug/l	97
82) 4-Chlorotoluene	12.30	91	1478671	47.167	ug/l	99
83) tert-Butylbenzene	12.52	119	1804720	52.654	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1915671	45.487	ug/l	99
85) sec-Butylbenzene	12.70	105	2228835	45.328	ug/l	99
86) p-Isopropyltoluene	12.82	119	1970967	45.681	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	955348	49.468	ug/l	100
88) 1,4-Dichlorobenzene	12.90	146	903390	49.370	ug/l	99
89) n-Butylbenzene	13.15	91	1416245	47.510	ug/l	98
90) Hexachloroethane	13.41	117	371256	54.211	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	960399	49.799	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	96762	48.773	ug/l	98

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QLast Update : Thu Aug 08 06:49:25 2019
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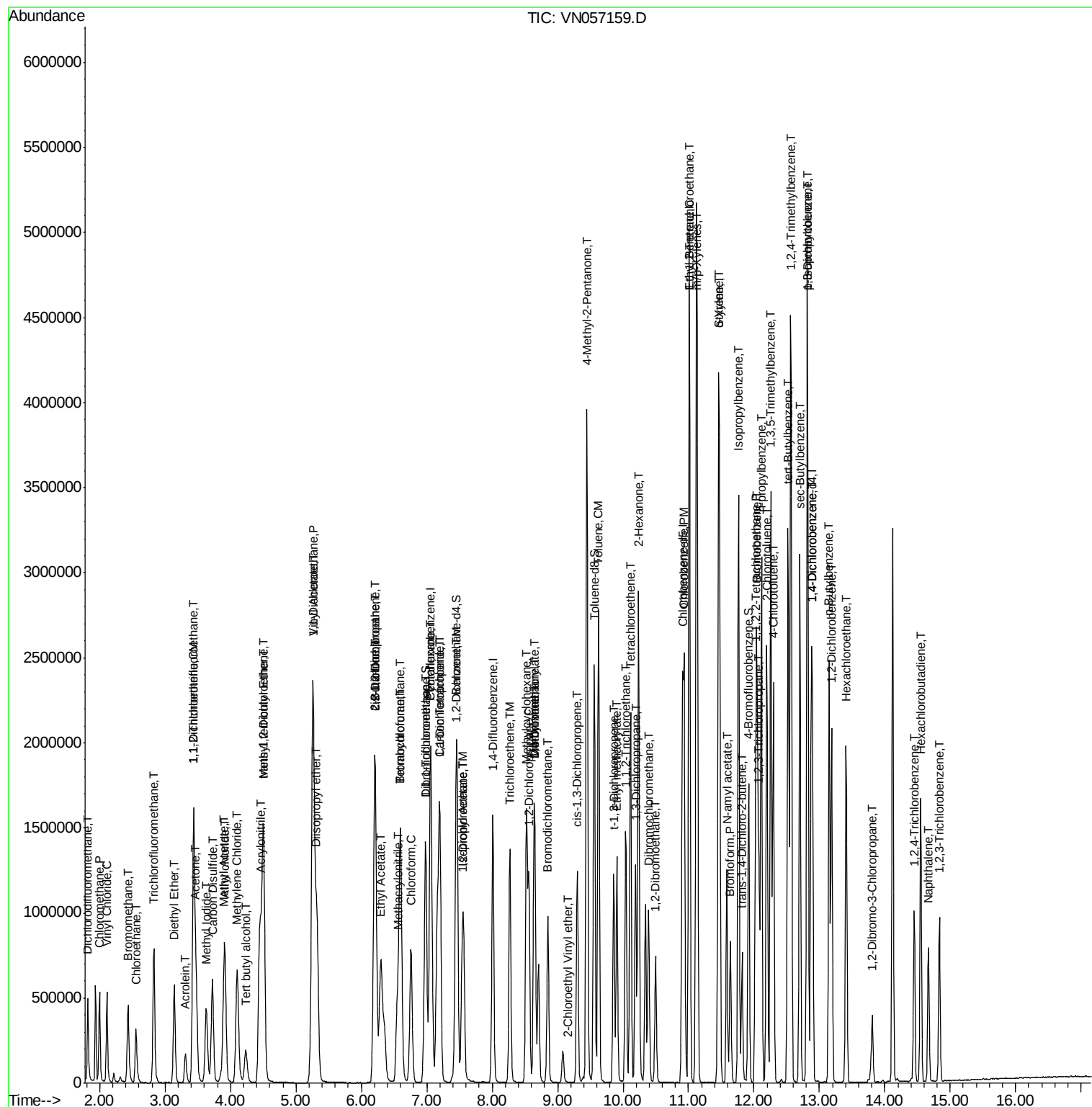
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	360580	44.786	ug/l	99
94) Hexachlorobutadiene	14.55	225	358477	53.528	ug/l	98
95) Naphthalene	14.67	128	676466	42.783	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	345051	41.843	ug/l	99

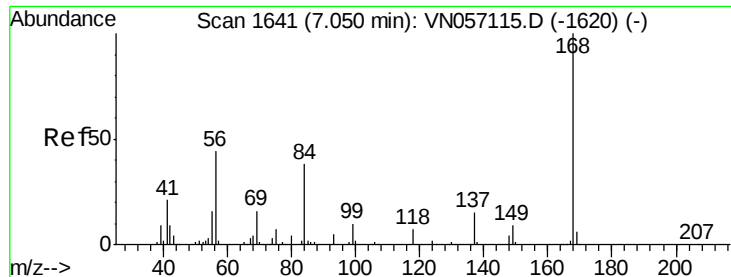
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

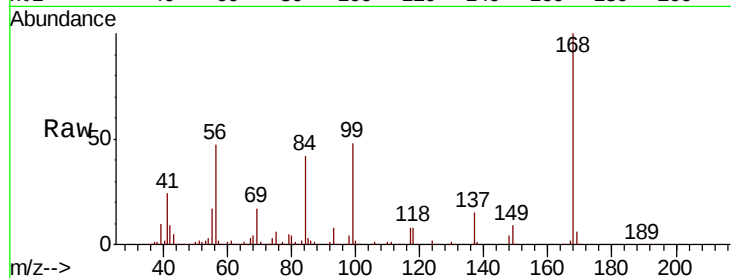
MW-4R_080819MS

Tgt Ion:168 Resp: 1040965

Ion Ratio Lower Upper

168 100

99 47.5 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

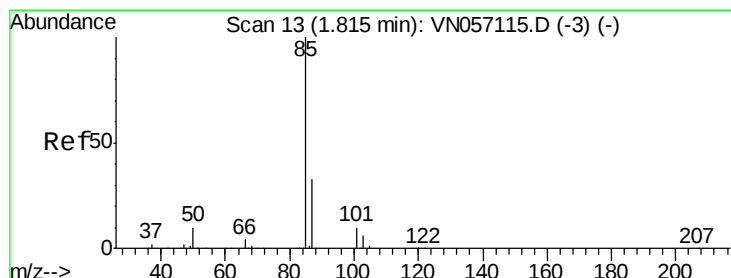
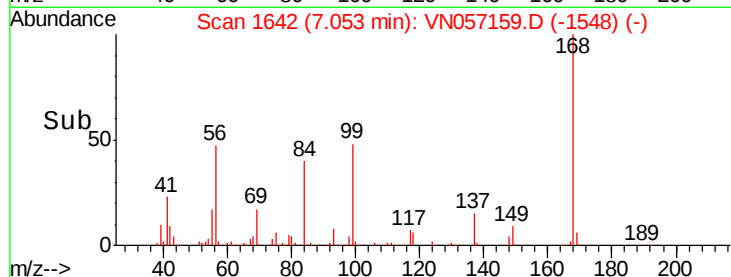
100000

0

7.00

7.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.793 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057159.D

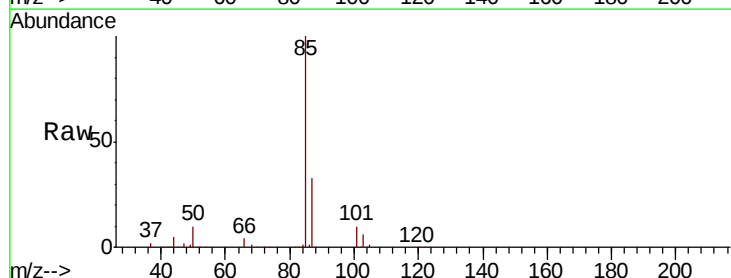
Acq: 9 Aug 2019 20:24

Tgt Ion: 85 Resp: 391496

Ion Ratio Lower Upper

85 100

87 33.0 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

150000

100000

50000

0

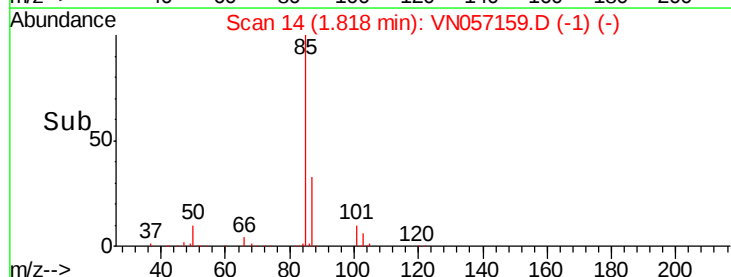
1.75

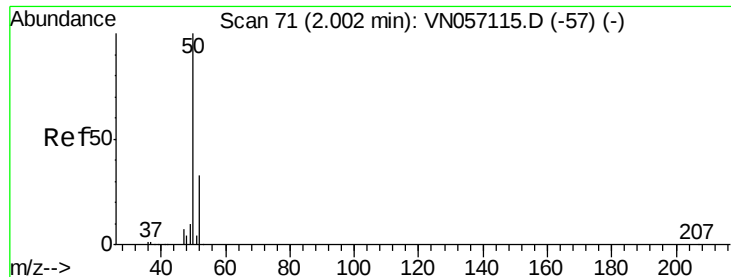
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 43.576 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

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ClientSampleId :

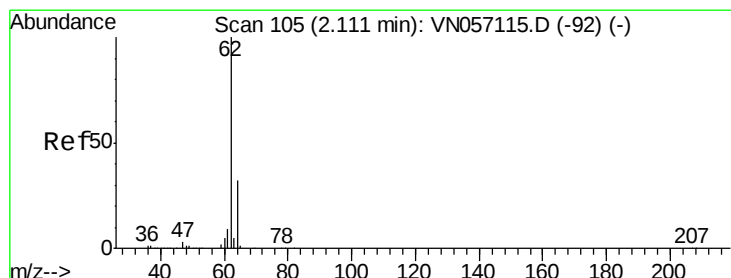
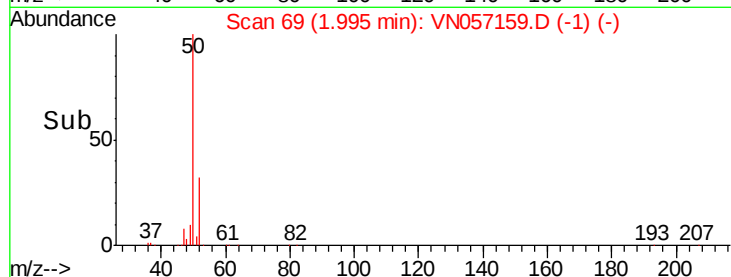
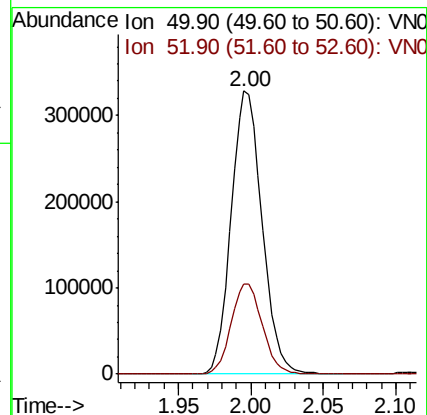
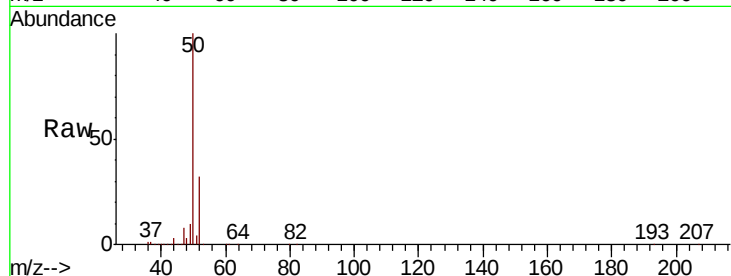
MW-4R 080819MS

Tgt Ion: 50 Resp: 484414

Ion Ratio Lower Upper

50 100

52 32.0 26.1 39.1



#4

Vinyl Chloride

Concen: 47.039 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057159.D

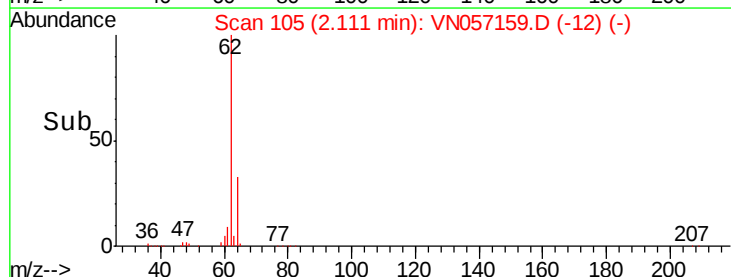
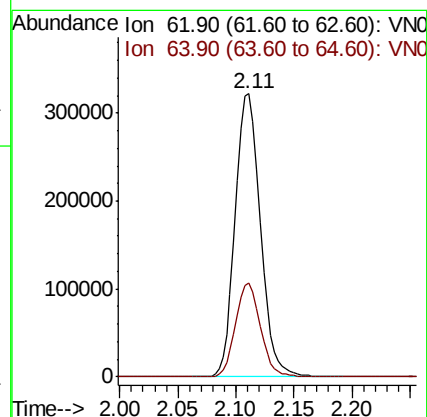
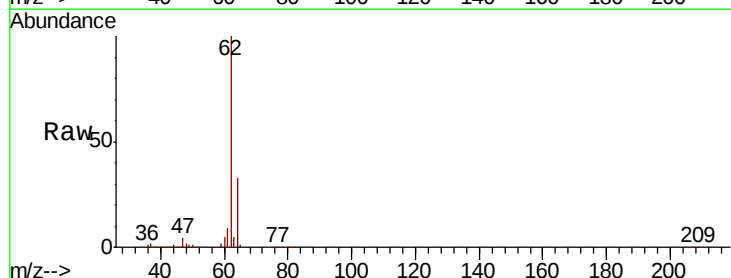
Acq: 9 Aug 2019 20:24

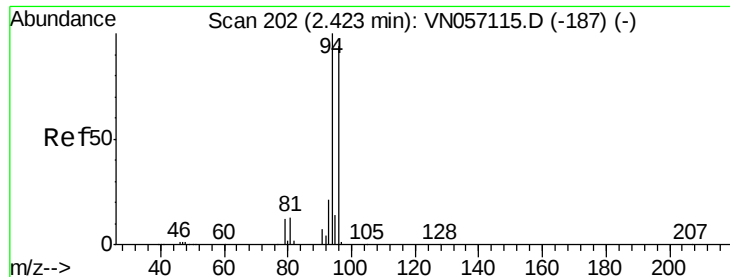
Tgt Ion: 62 Resp: 486047

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.0





#5

Bromomethane

Concen: 47.518 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

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ClientSampleId :

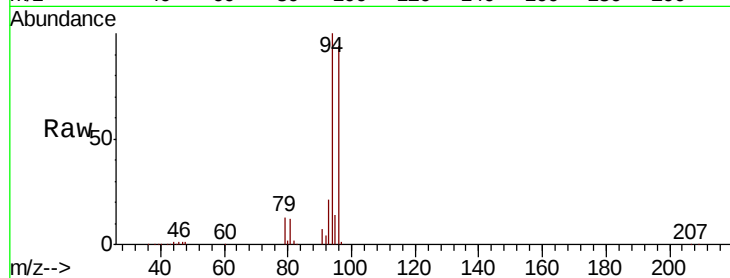
MW-4R 080819MS

Tgt Ion: 94 Resp: 333617

Ion Ratio Lower Upper

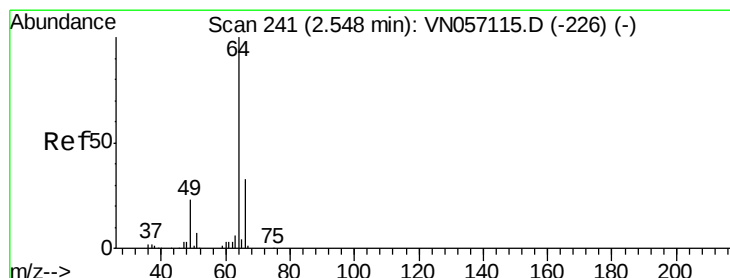
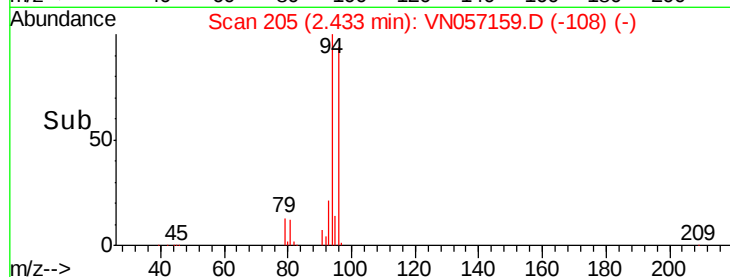
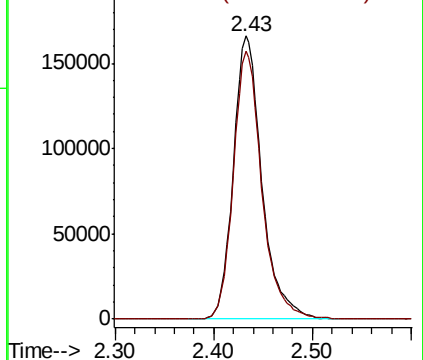
94 100

96 94.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.750 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057159.D

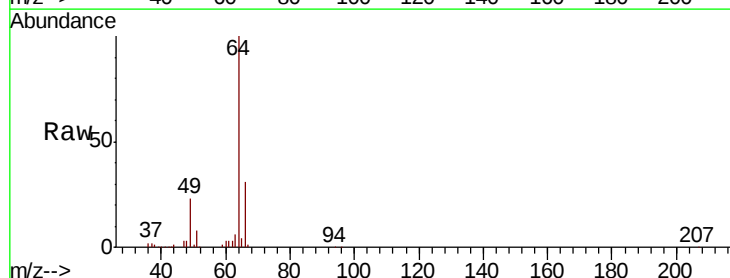
Acq: 9 Aug 2019 20:24

Tgt Ion: 64 Resp: 329730

Ion Ratio Lower Upper

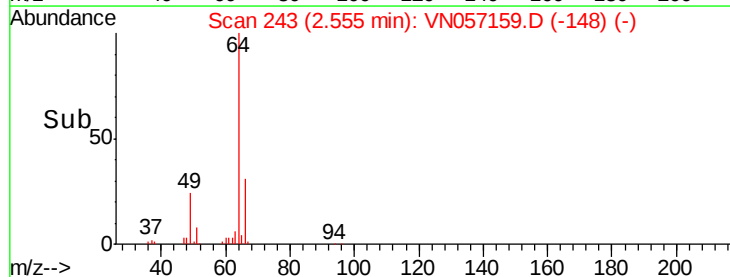
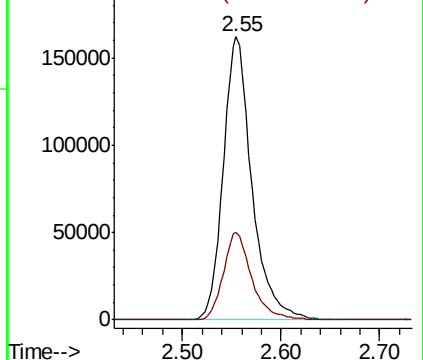
64 100

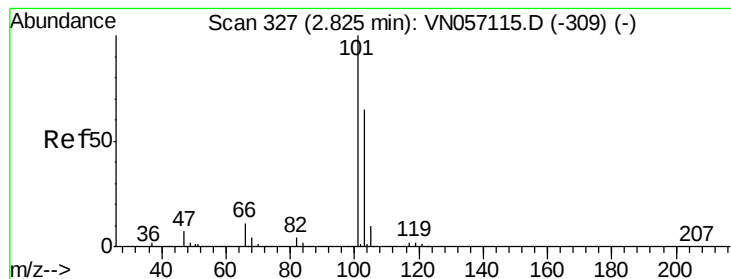
66 31.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



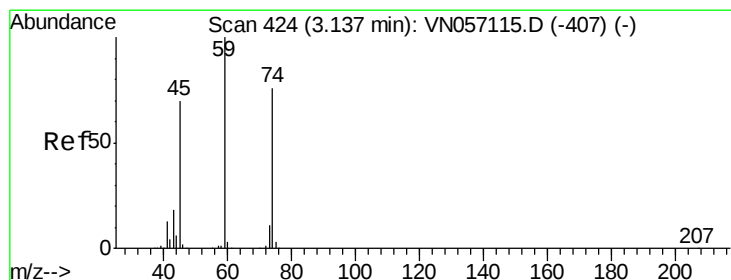
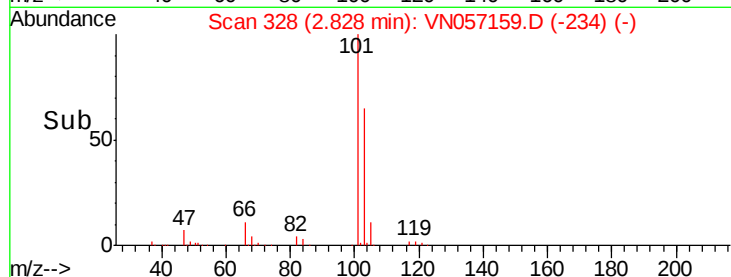
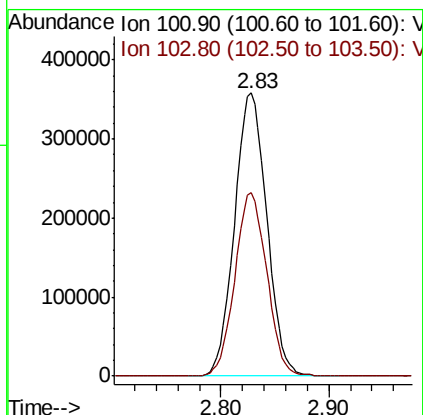
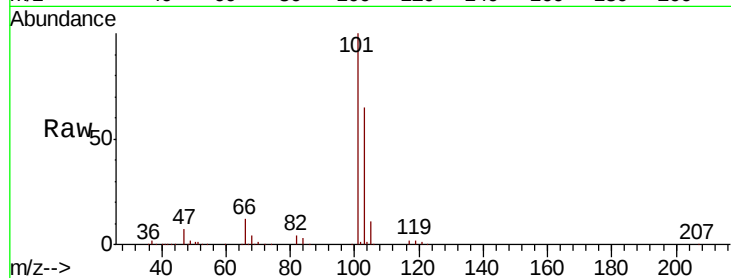


#7

Trichlorofluoromethane
 Concen: 50.344 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057159.D
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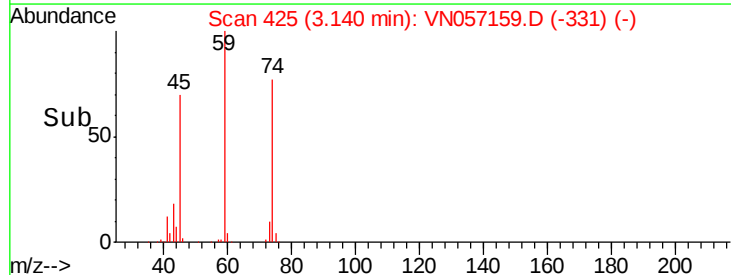
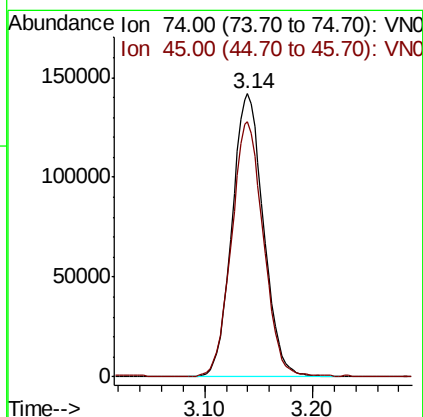
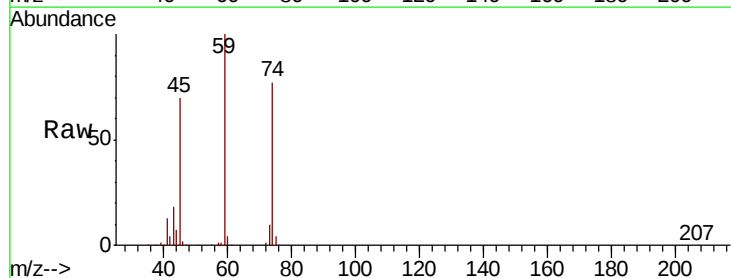
Tgt Ion: 101 Resp: 747736
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.4

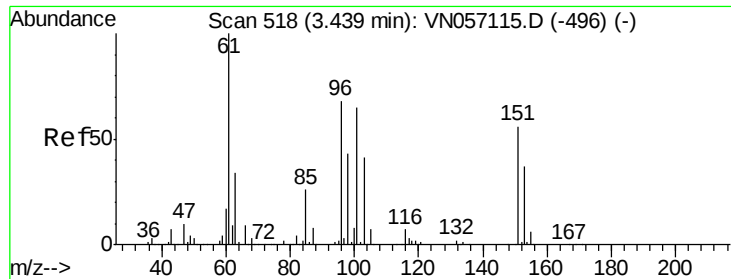


#8

Diethyl Ether
 Concen: 50.256 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 74 Resp: 288387
 Ion Ratio Lower Upper
 74 100
 45 91.1 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.396 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

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MSVOA_N

ClientSampleId :

MW-4R 080819MS

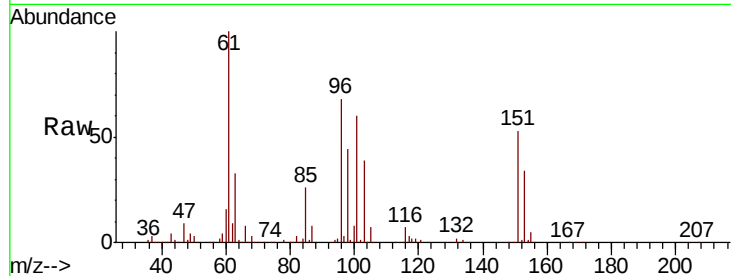
Tgt Ion:101 Resp: 444754

Ion Ratio Lower Upper

101 100

85 41.2 32.3 48.5

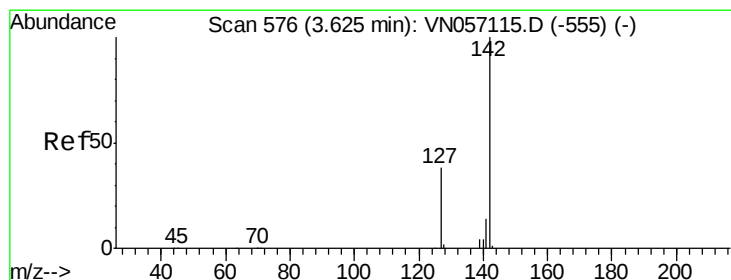
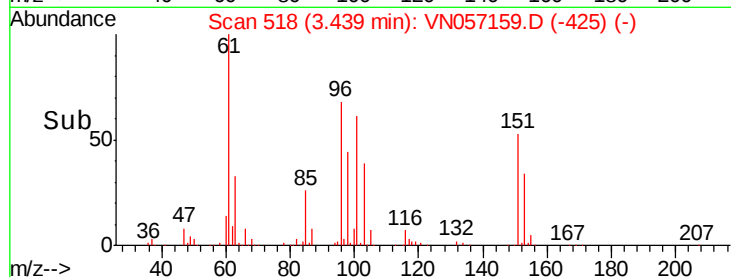
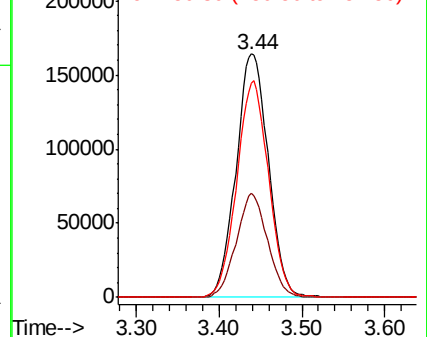
151 87.3 69.4 104.0



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: 49.884 ug/l

RT: 3.63 min Scan# 576

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

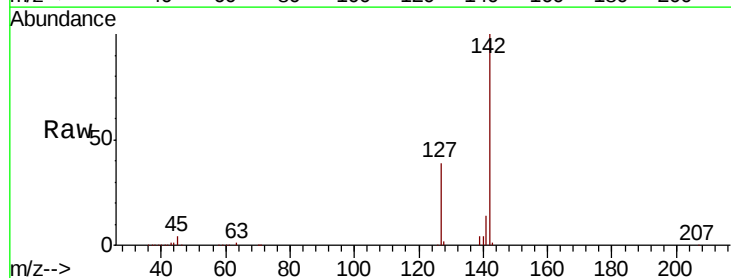
Tgt Ion:142 Resp: 678721

Ion Ratio Lower Upper

142 100

127 39.1 31.0 46.6

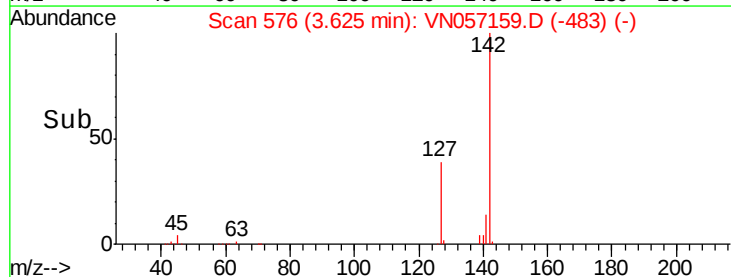
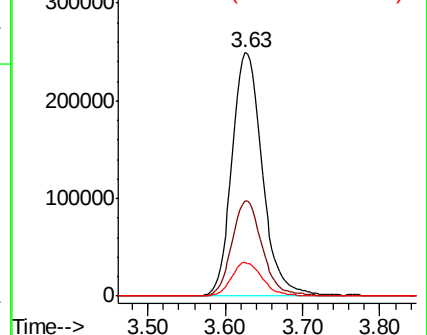
141 14.0 11.2 16.8

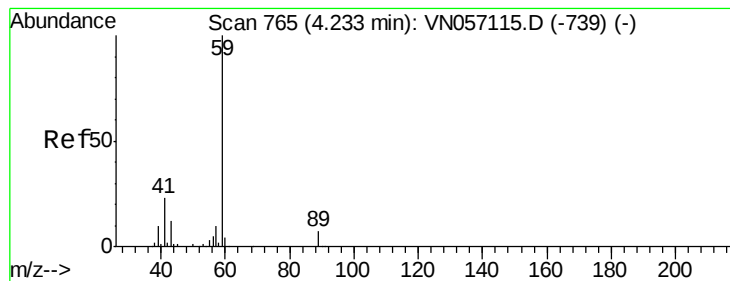


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



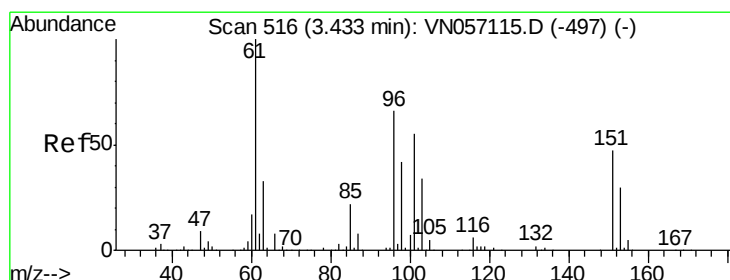
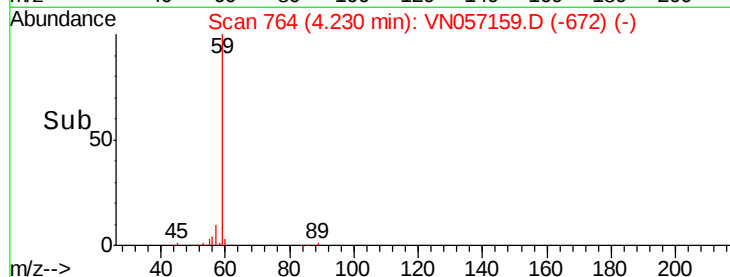
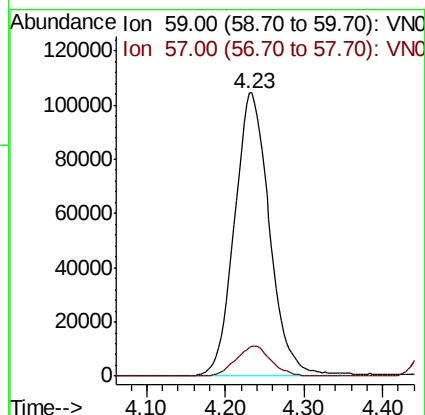
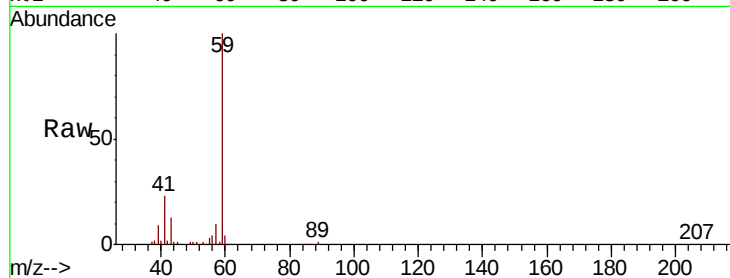


#11

Tert butyl alcohol
 Concen: 213.703 ug/l
 RT: 4.23 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

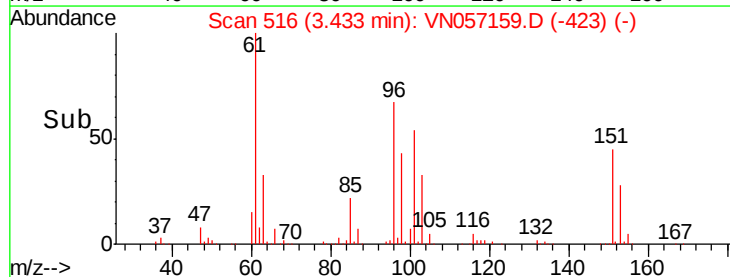
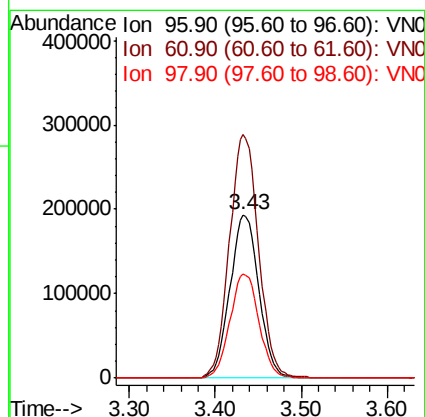
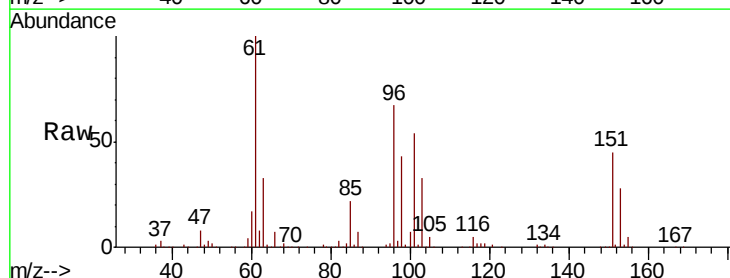
Tgt Ion: 59 Resp: 325566
 Ion Ratio Lower Upper
 59 100
 57 10.8 7.9 11.9

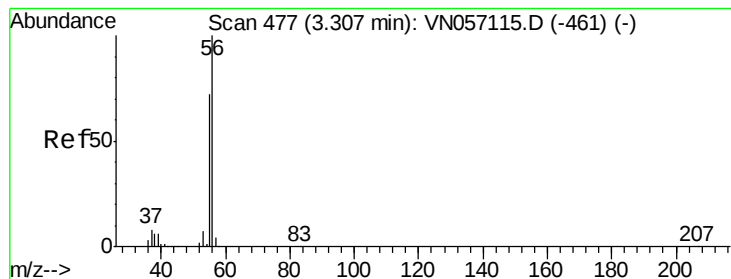


#12

1,1-Dichloroethene
 Concen: 51.135 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 96 Resp: 452931
 Ion Ratio Lower Upper
 96 100
 61 149.0 121.0 181.6
 98 63.4 50.8 76.2





#13

Acrolein

Concen: 189.961 ug/l

RT: 3.31 min Scan# 478

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

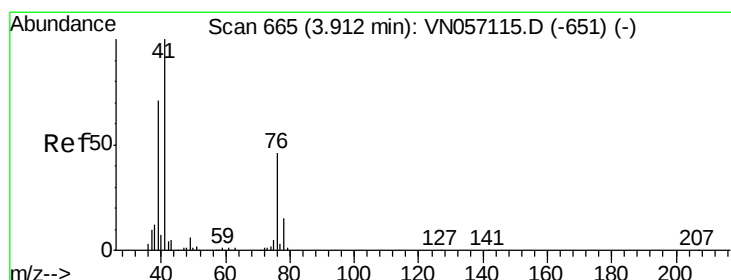
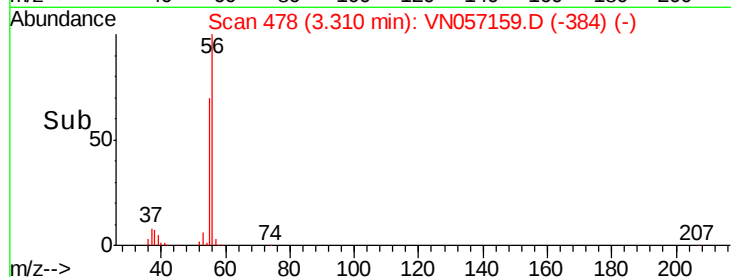
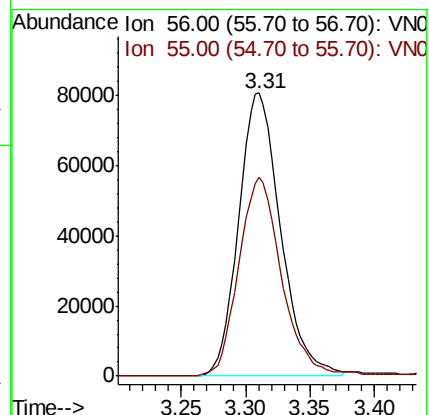
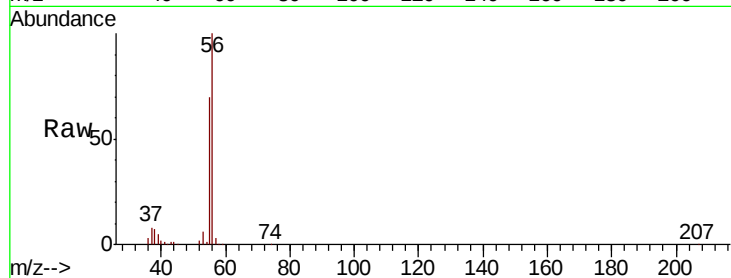
MW-4R 080819MS

Tgt Ion: 56 Resp: 183077

Ion Ratio Lower Upper

56 100

55 71.1 57.7 86.5



#14

Allyl chloride

Concen: 50.085 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

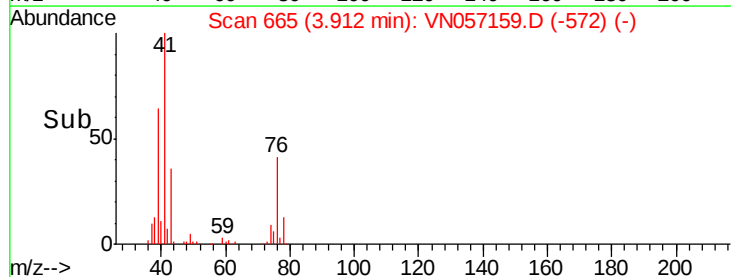
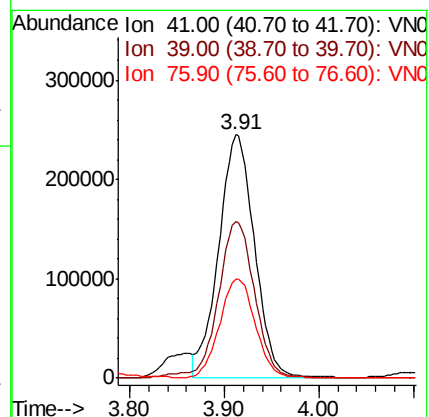
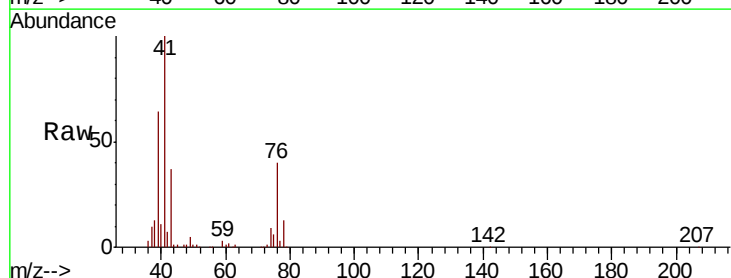
Tgt Ion: 41 Resp: 644709

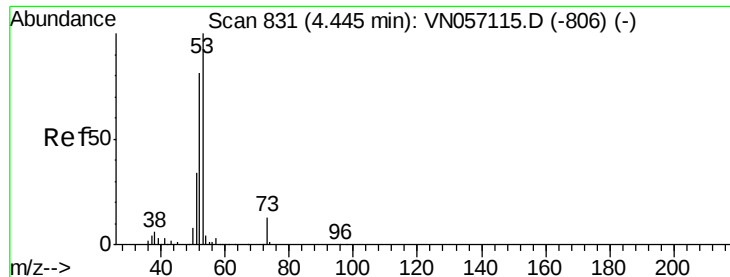
Ion Ratio Lower Upper

41 100

39 65.5 51.1 76.7

76 40.5 32.8 49.2





#15

Acrylonitrile

Concen: 260.109 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

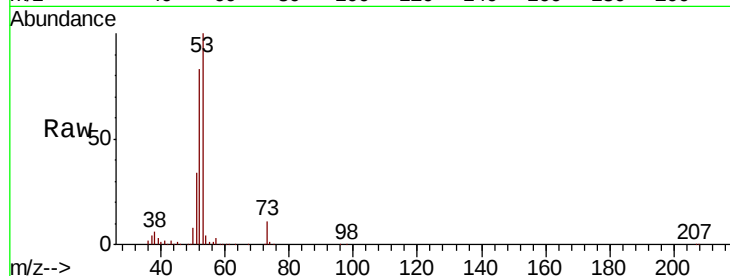
Tgt Ion: 53 Resp: 1072456

Ion Ratio Lower Upper

53 100

52 82.9 64.9 97.3

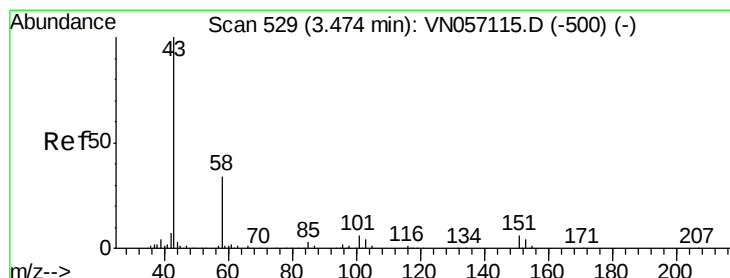
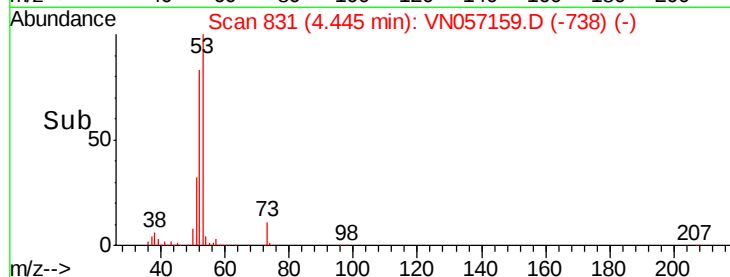
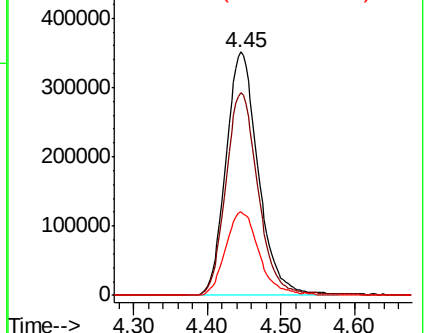
51 35.3 27.8 41.6



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: 247.332 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057159.D

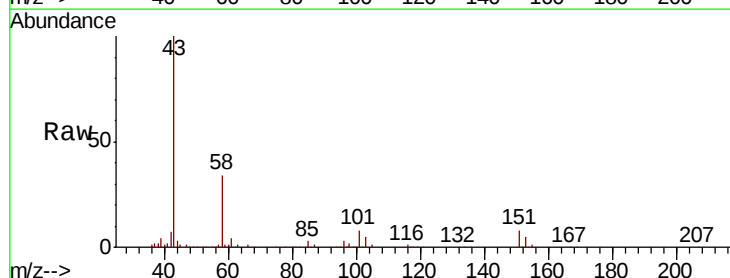
Acq: 9 Aug 2019 20:24

Tgt Ion: 43 Resp: 799646

Ion Ratio Lower Upper

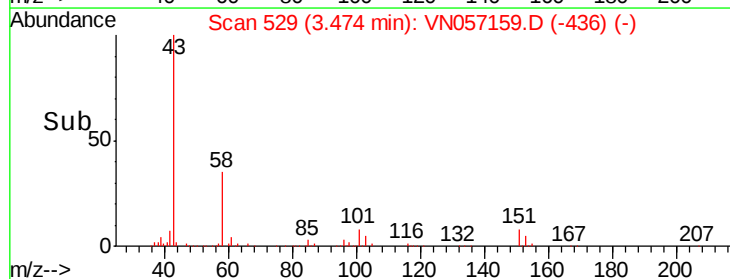
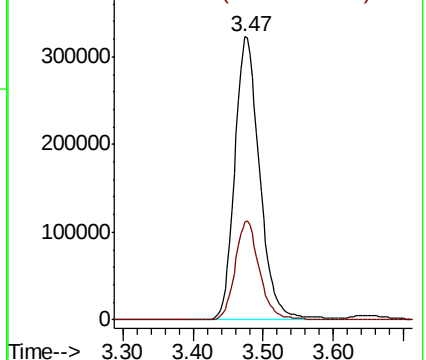
43 100

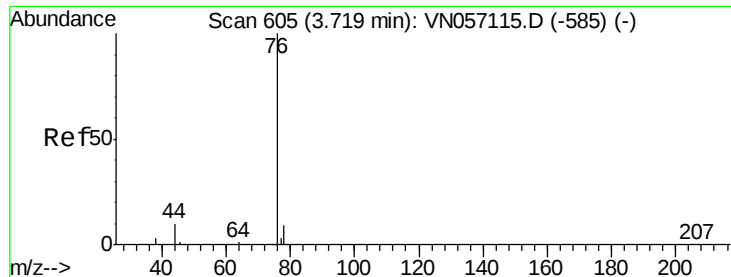
58 34.3 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

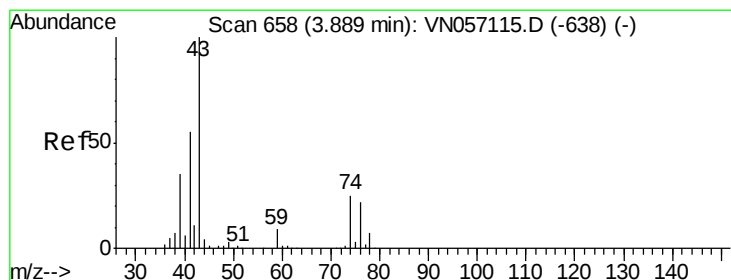
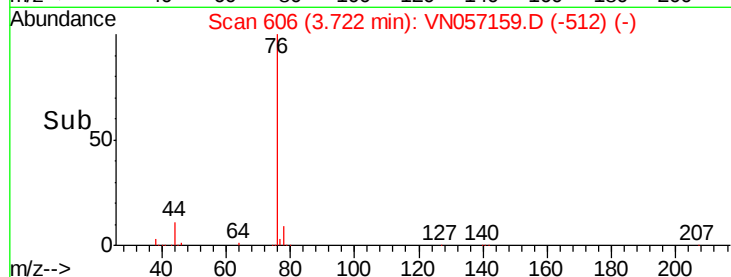
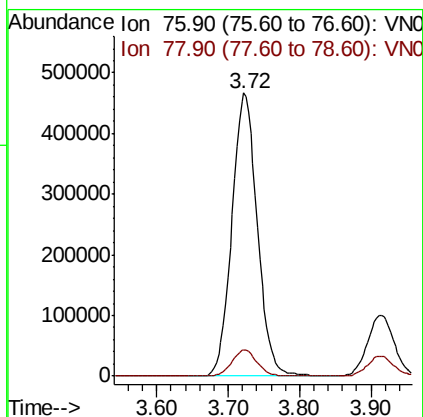
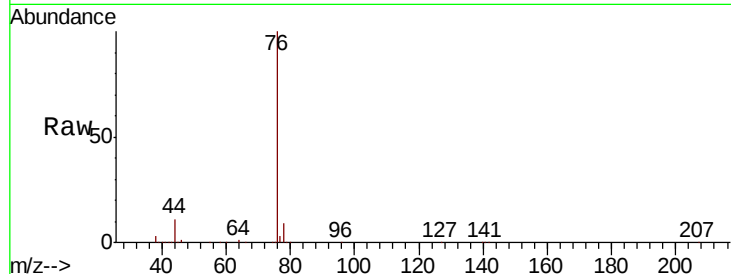




#17
Carbon Disulfide
Concen: 49.202 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

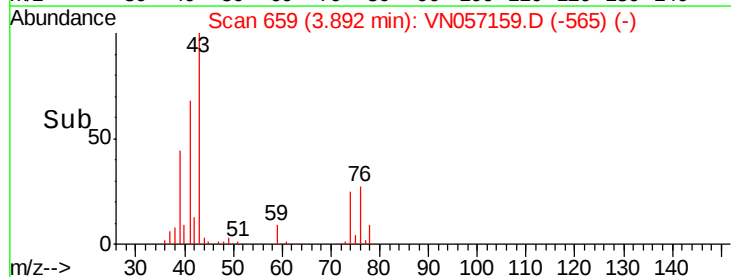
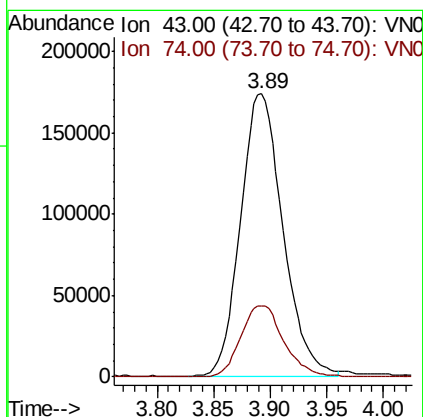
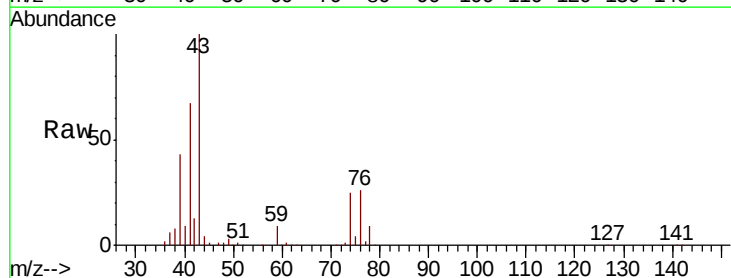
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

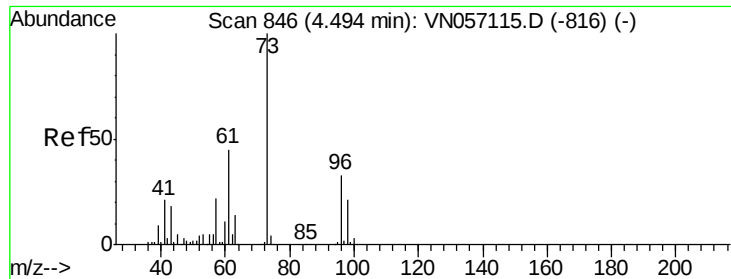
Tgt Ion: 76 Resp: 1159410
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 46.890 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 43 Resp: 452075
Ion Ratio Lower Upper
43 100
74 25.7 20.2 30.4

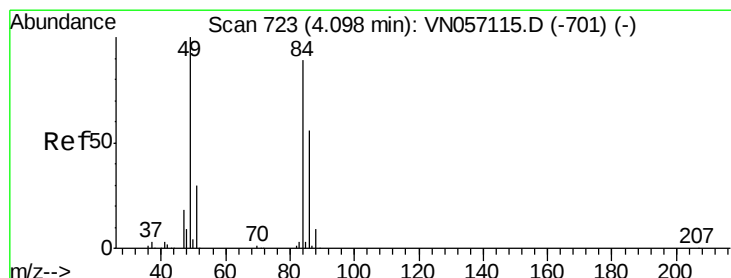
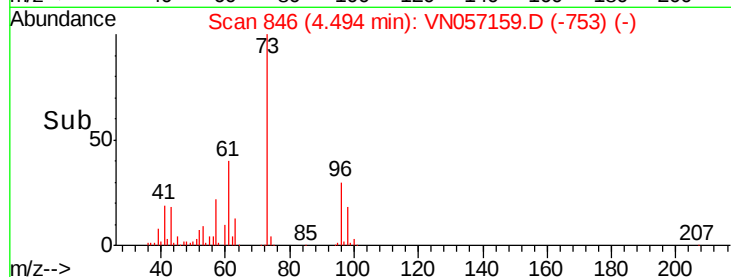
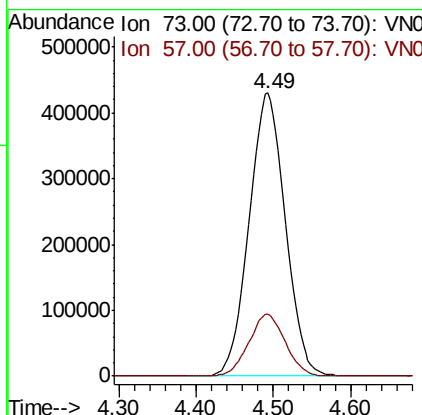
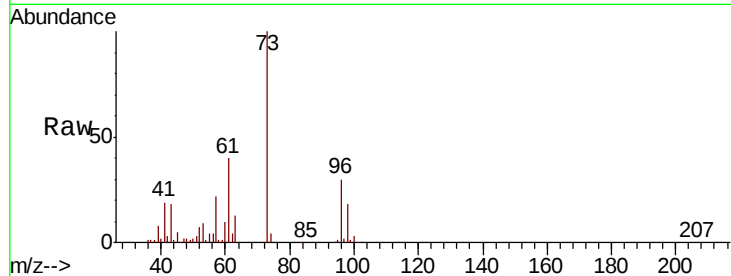




#19
Methyl tert-butyl Ether
Concen: 52.405 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

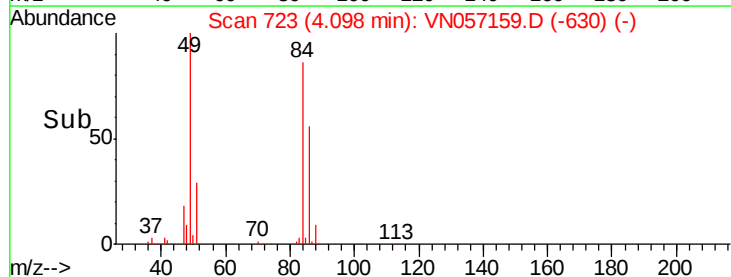
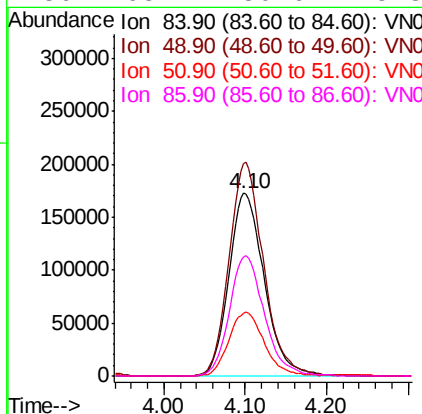
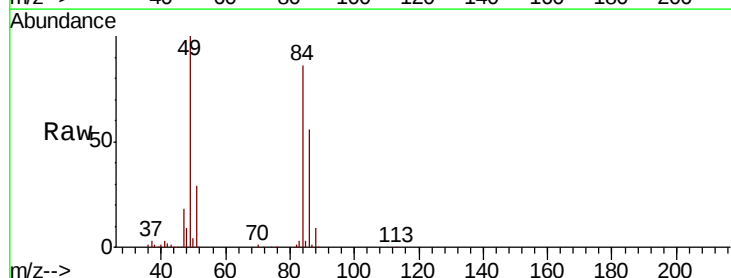
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

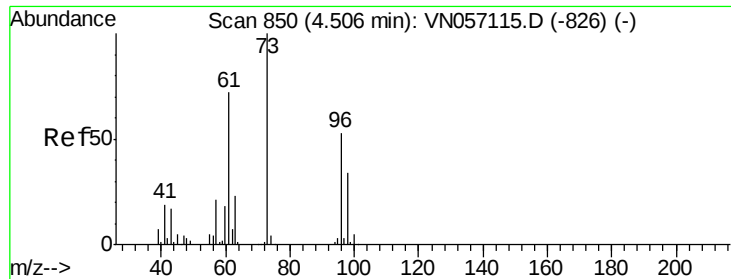
Tgt Ion: 73 Resp: 1401353
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 48.977 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 84 Resp: 522588
Ion Ratio Lower Upper
84 100
49 116.1 89.5 134.3
51 34.3 27.2 40.8
86 65.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.900 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MS

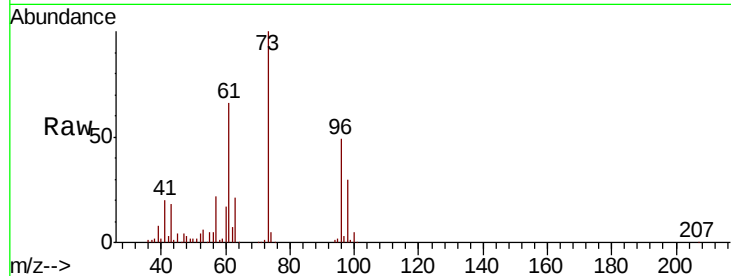
Tgt Ion: 96 Resp: 481480

Ion Ratio Lower Upper

96 100

61 134.9 108.1 162.1

98 61.6 50.5 75.7

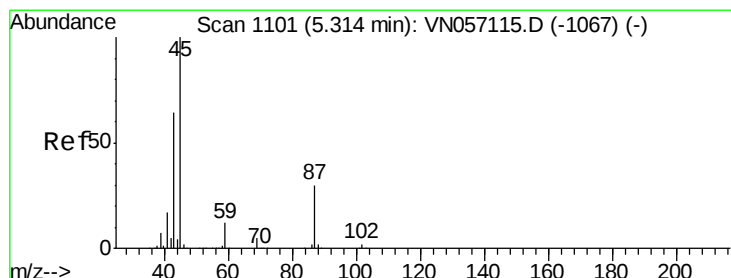
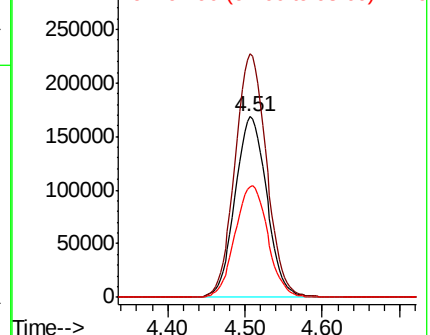
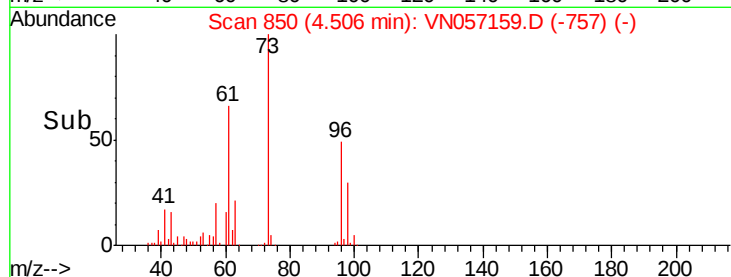


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 50.744 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion: 45 Resp: 1424757

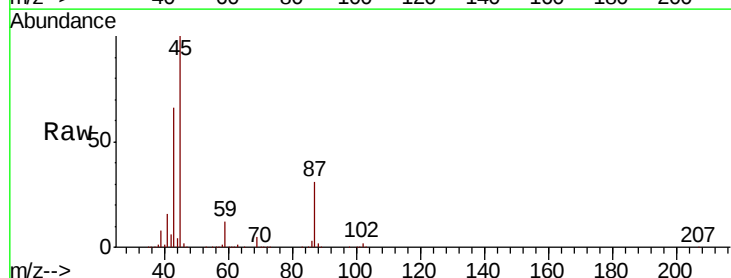
Ion Ratio Lower Upper

45 100

43 64.5 54.1 81.1

87 31.3 24.0 36.0

59 12.1 10.0 15.0



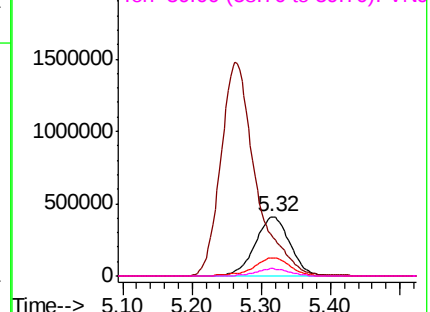
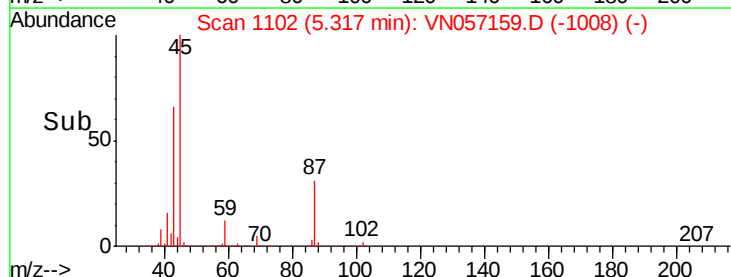
Abundance

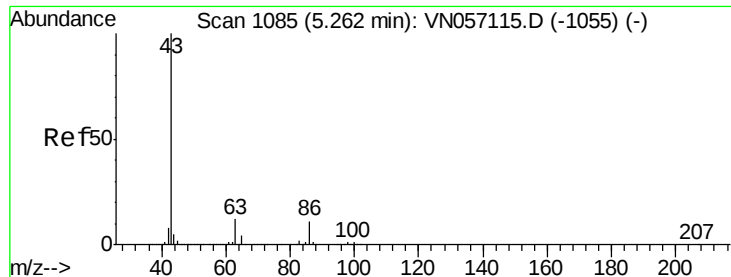
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

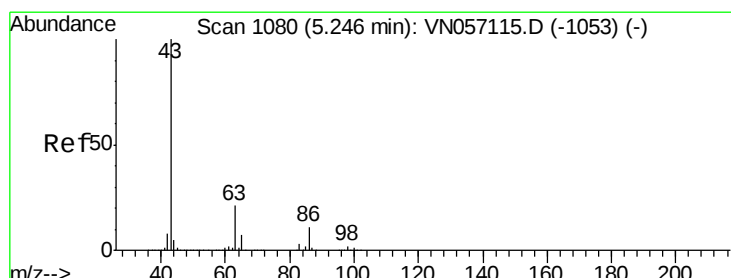
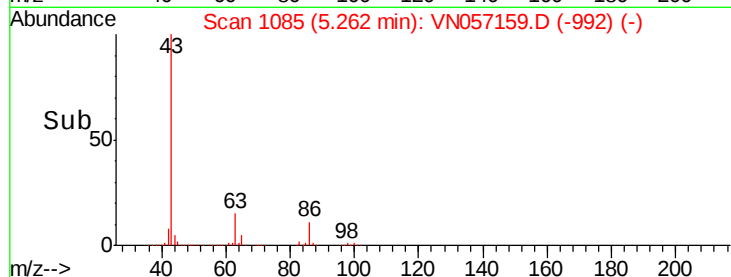
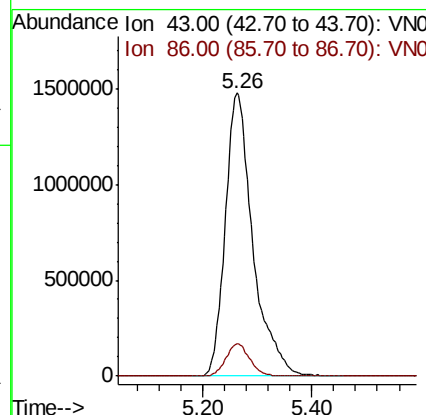
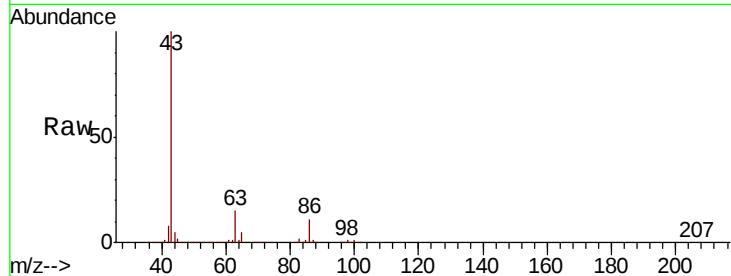




#23
 Vinyl Acetate
 Concen: 240.859 ug/l
 RT: 5.26 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

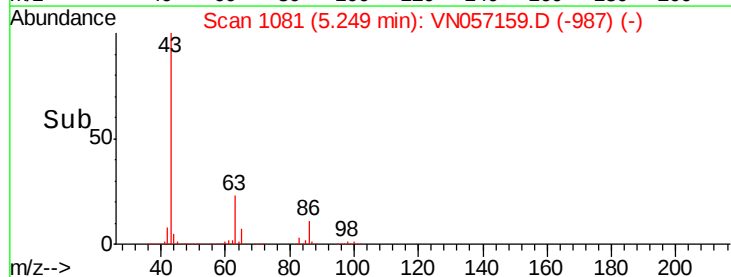
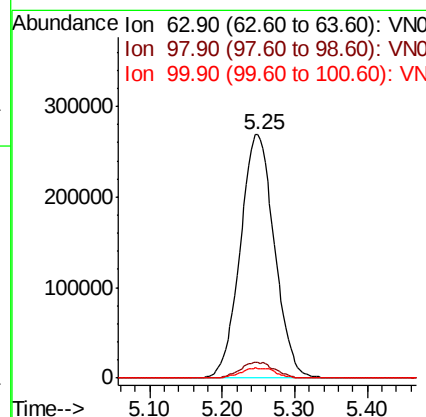
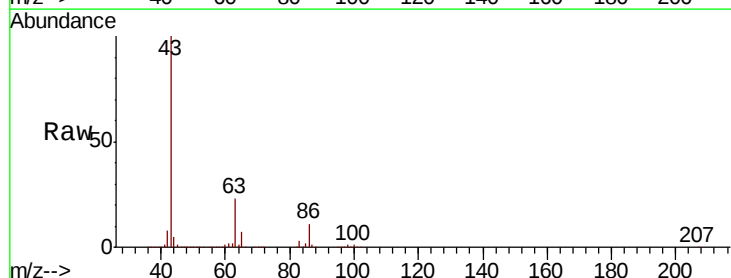
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

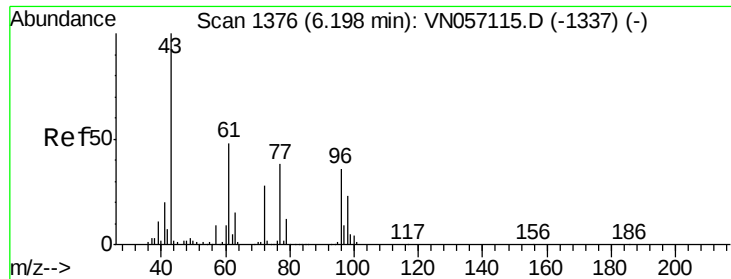
Tgt Ion: 43 Resp: 5178644
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 51.102 ug/l
 RT: 5.25 min Scan# 1081
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 63 Resp: 882041
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.8 11.2
 100 4.1 2.1 6.3

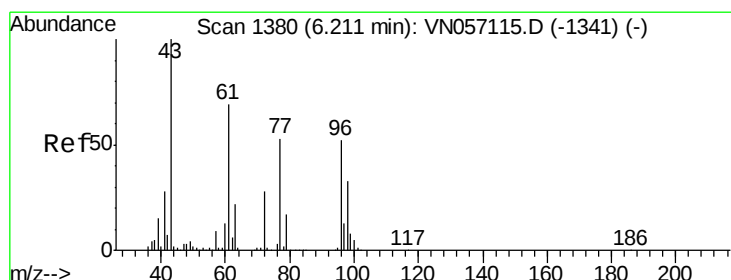
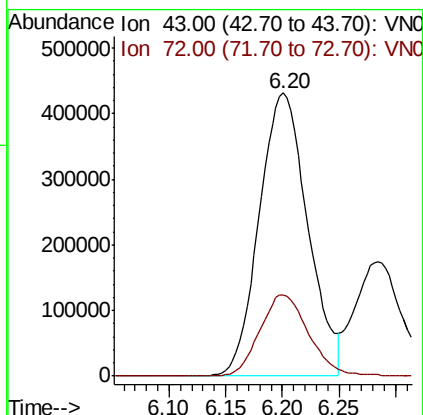
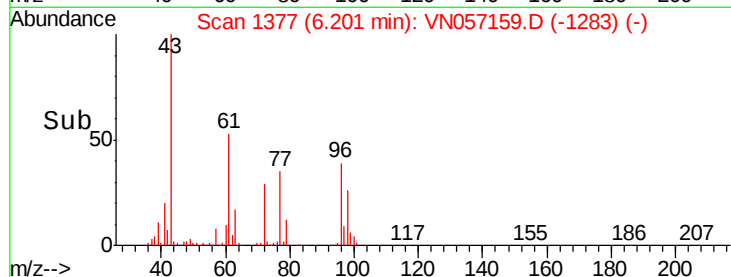
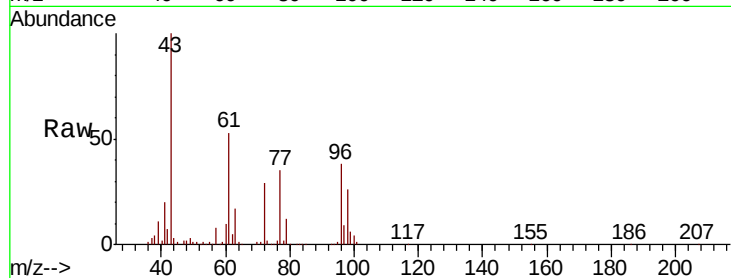




#25
2-Butanone
Concen: 259.100 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

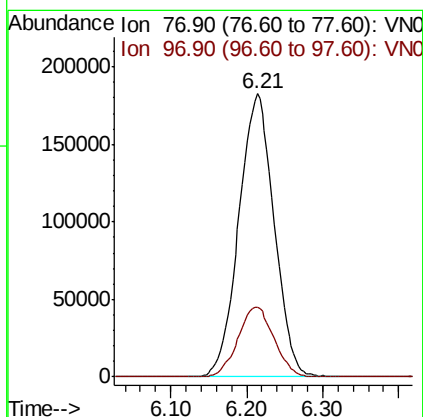
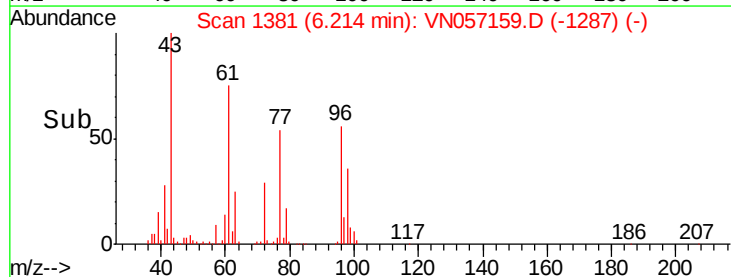
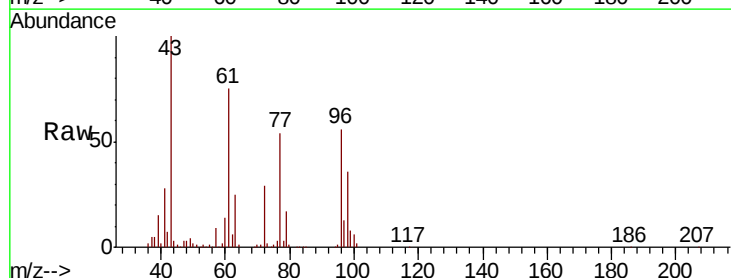
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

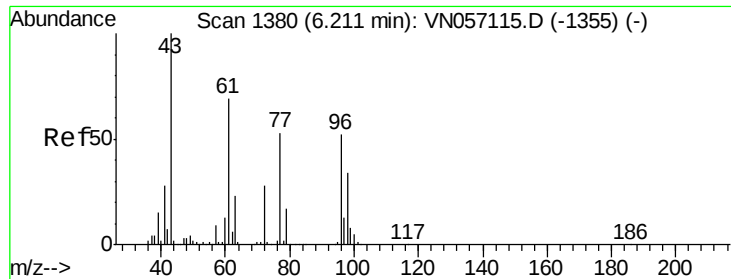
Tgt Ion: 43 Resp: 1279870
Ion Ratio Lower Upper
43 100
72 28.9 22.2 33.4



#26
2,2-Dichloropropane
Concen: 46.853 ug/l
RT: 6.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 77 Resp: 588349
Ion Ratio Lower Upper
77 100
97 25.2 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 51.380 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

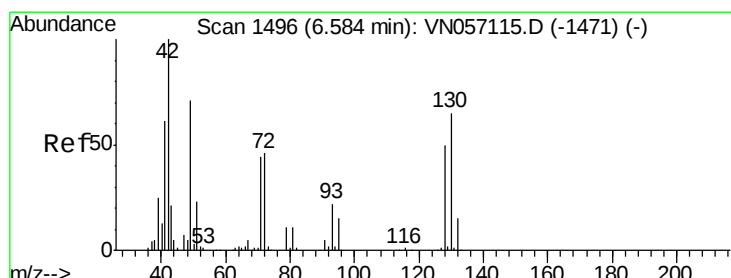
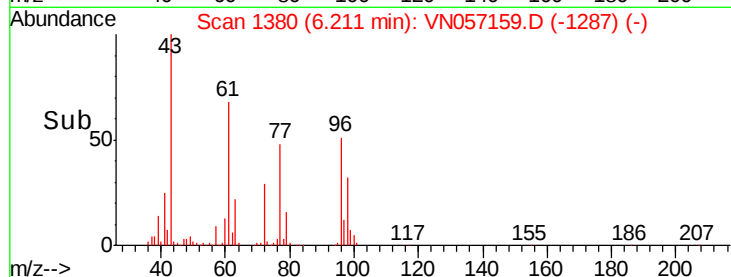
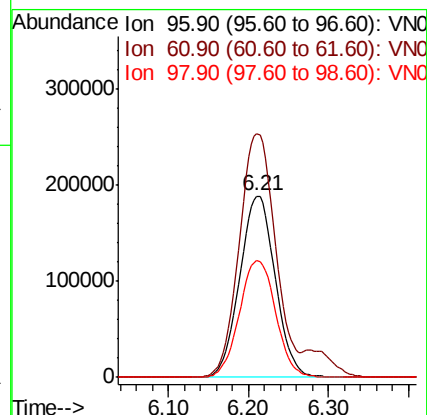
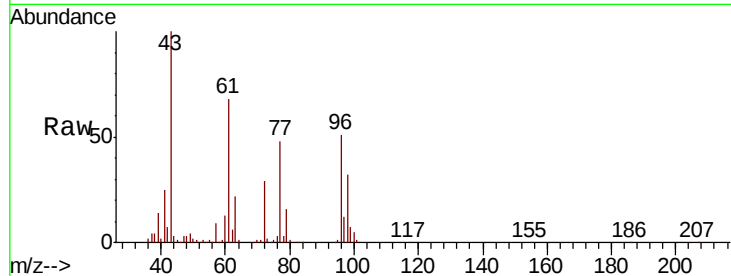
Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tgt Ion: 96 Resp: 567945

Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	273.4
98	65.7	0.0	130.4



#28

Bromochloromethane

Concen: 53.357 ug/l

RT: 6.59 min Scan# 1497

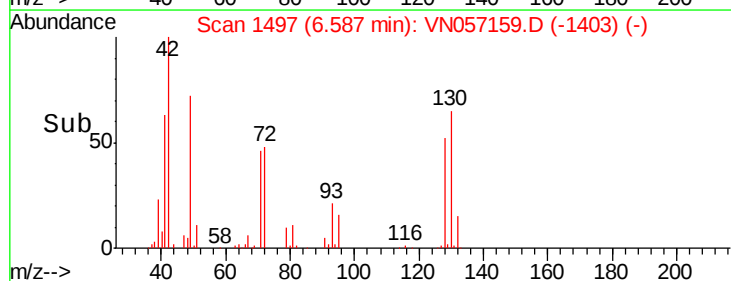
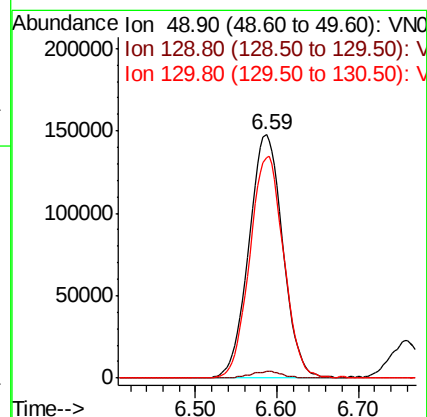
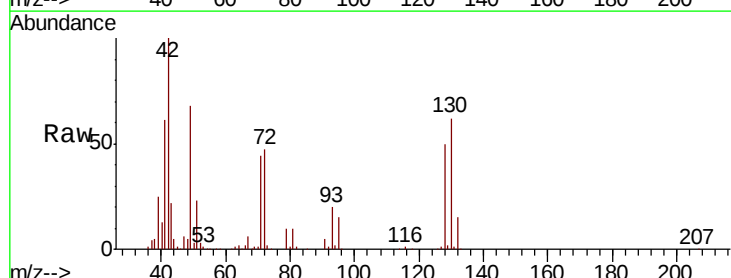
Delta R.T. 0.00 min

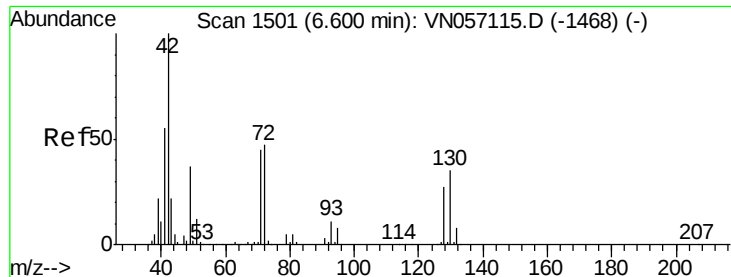
Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion: 49 Resp: 423611

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	91.1	73.8	110.8

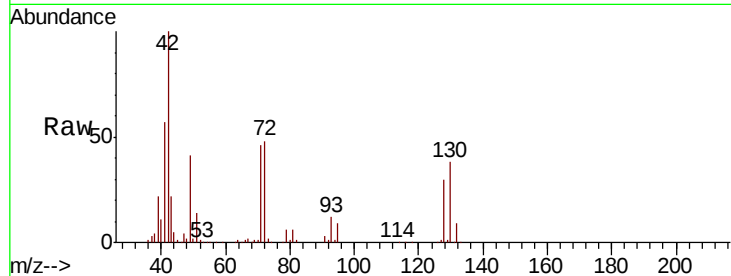




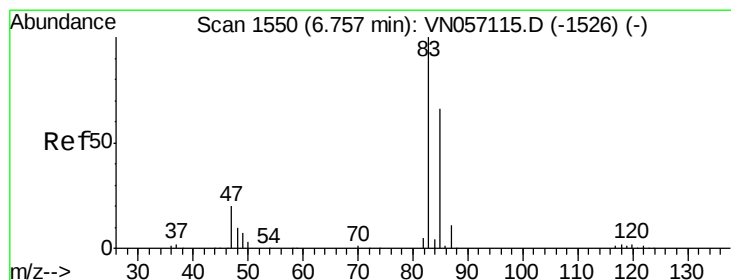
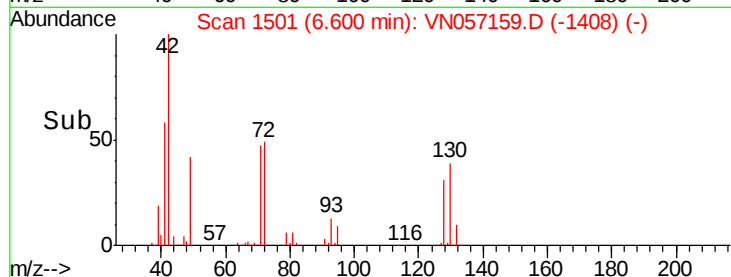
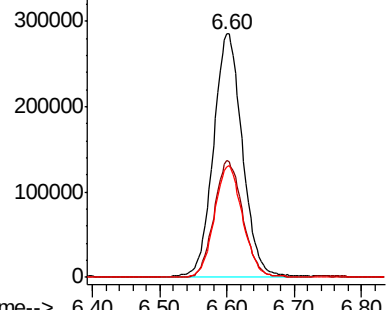
#29
Tetrahydrofuran
Concen: 256.590 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tgt Ion: 42 Resp: 853822
Ion Ratio Lower Upper
42 100
72 47.4 37.1 55.7
71 44.9 34.8 52.2

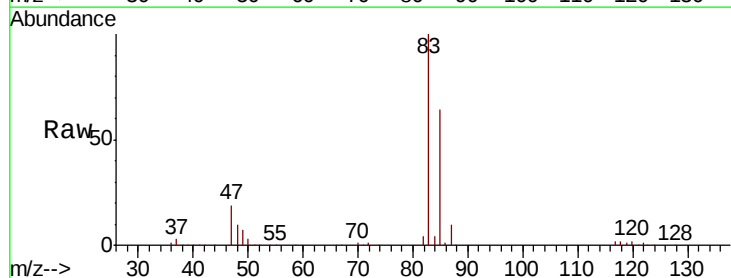


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

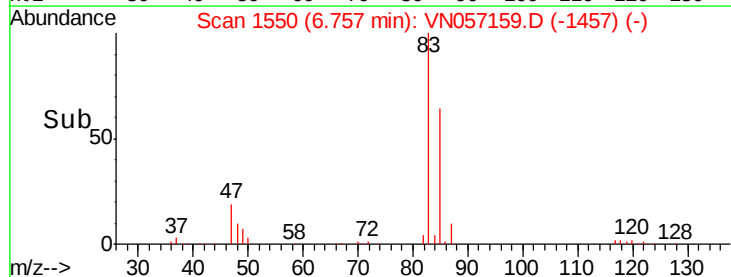
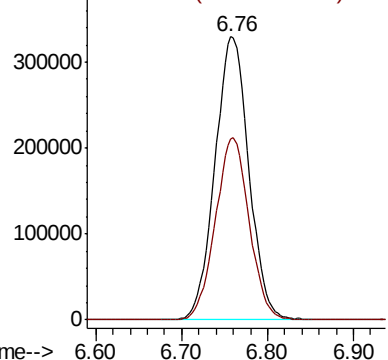


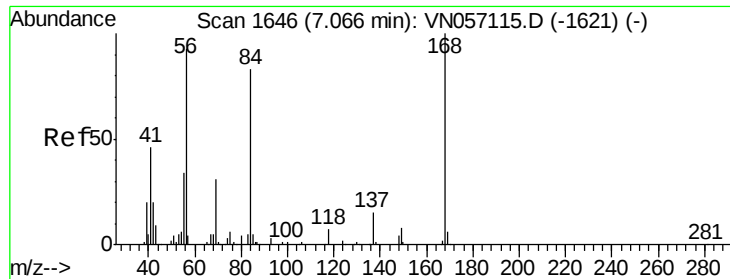
#30
Chloroform
Concen: 50.562 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 83 Resp: 903262
Ion Ratio Lower Upper
83 100
85 63.9 52.6 78.8



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

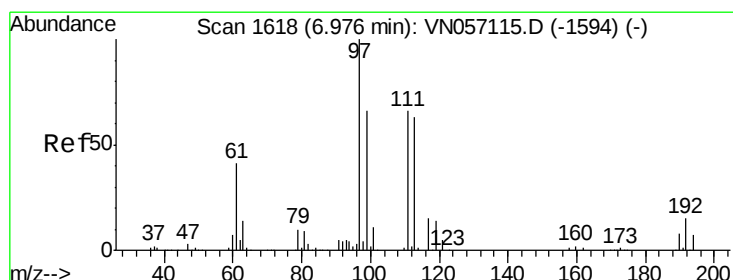
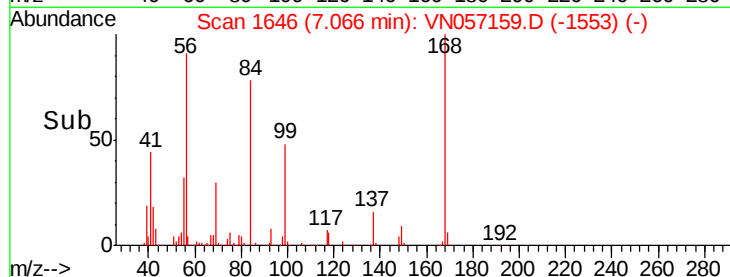
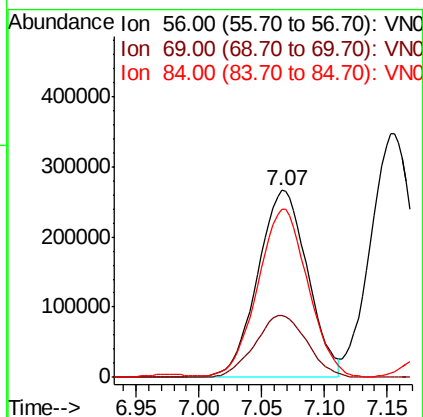
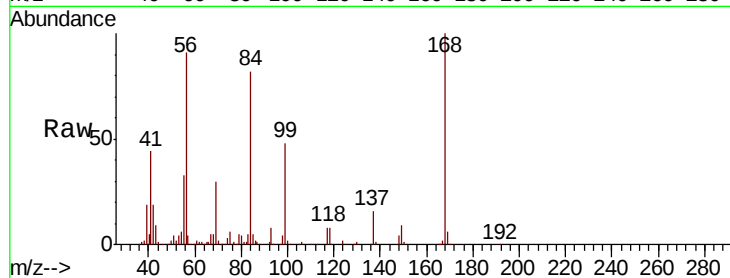




#31
Cyclohexane
Concen: 47.460 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

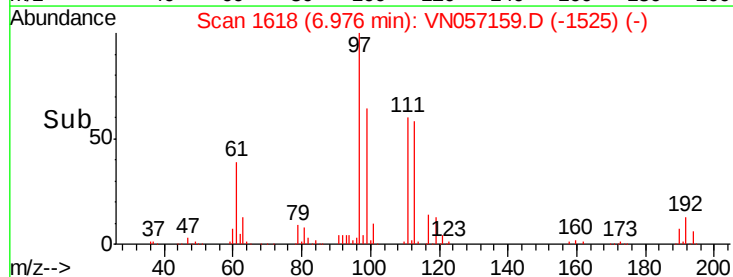
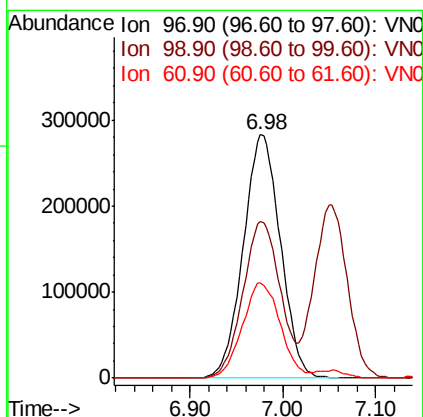
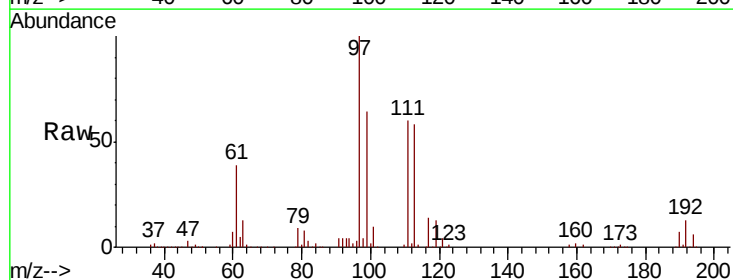
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

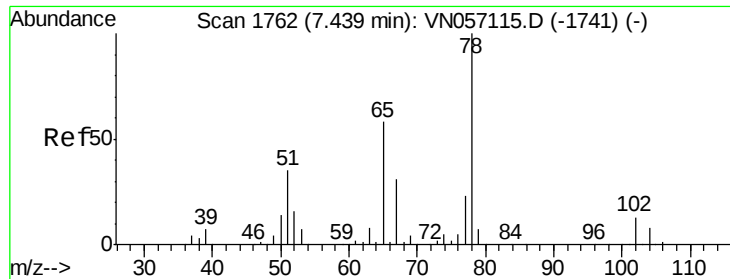
Tgt Ion: 56 Resp: 736991
Ion Ratio Lower Upper
56 100
69 33.2 26.9 40.3
84 89.3 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 52.428 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 97 Resp: 785687
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.6
61 40.0 32.7 49.1

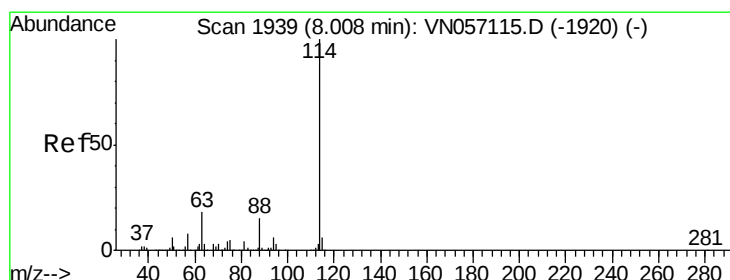
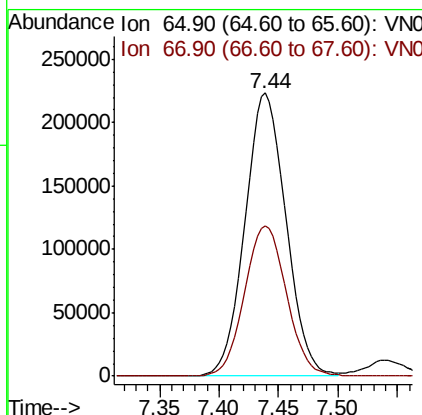
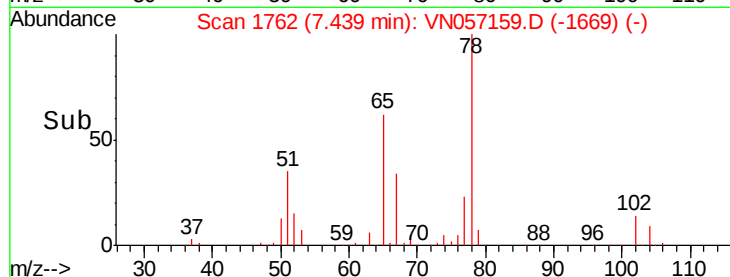
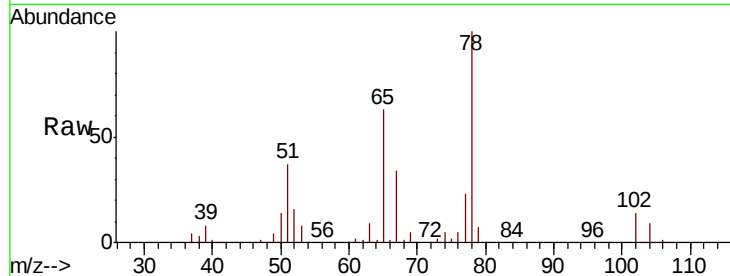




#33
 1,2-Dichloroethane-d4
 Concen: 49.878 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

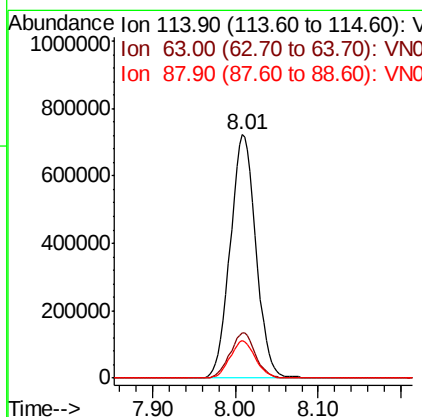
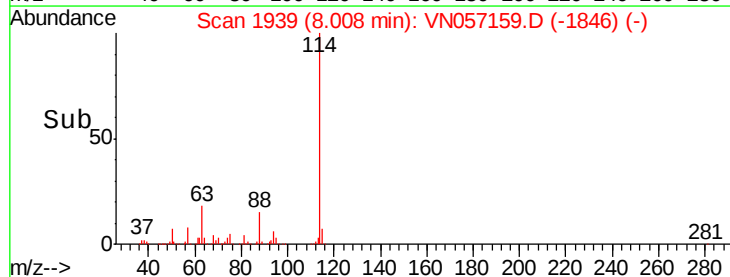
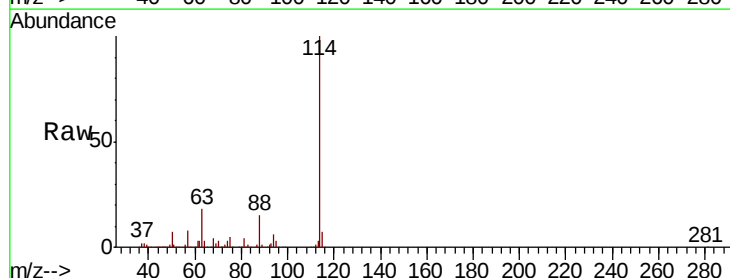
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

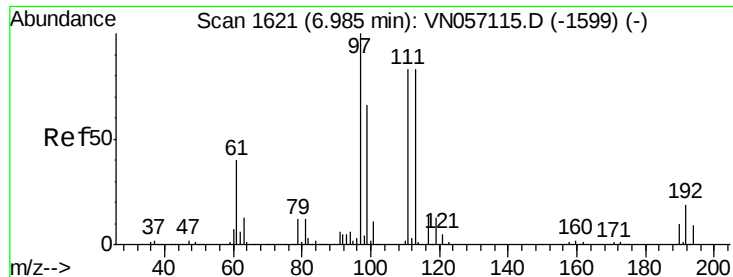
Tgt Ion: 65 Resp: 533971
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 114 Resp: 1561636
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 15.2 0.0 30.0

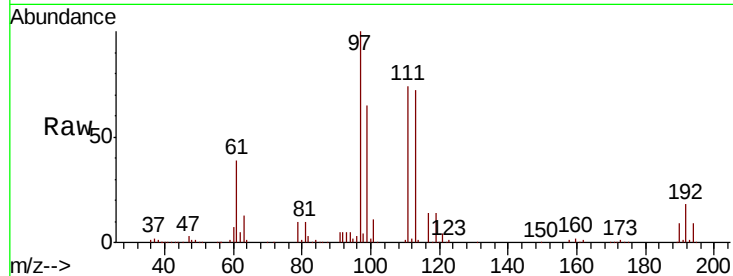




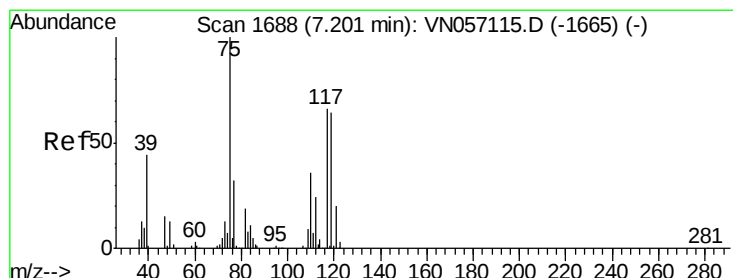
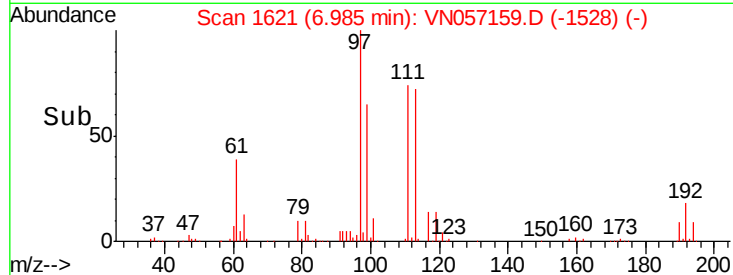
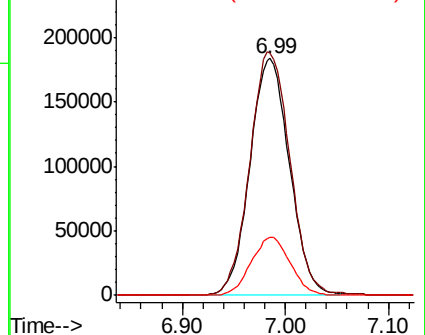
#35
 Dibromofluoromethane
 Concen: 49.913 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

Tgt Ion: 113 Resp: 489123
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.3 121.9
 192 24.3 19.0 28.4

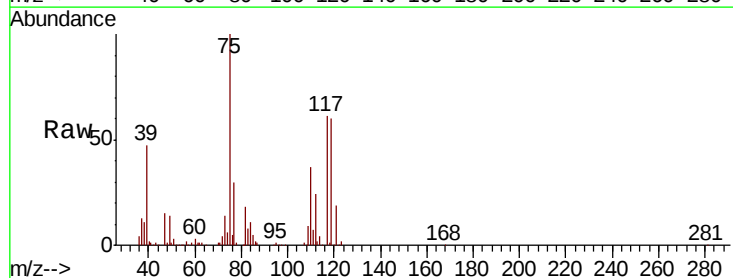


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

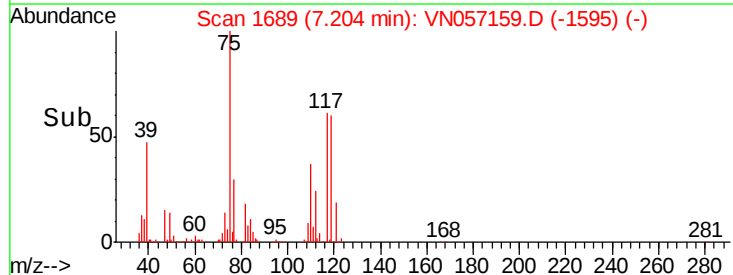
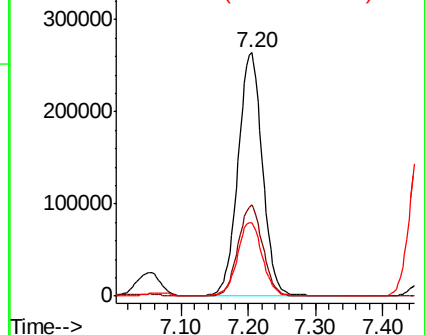


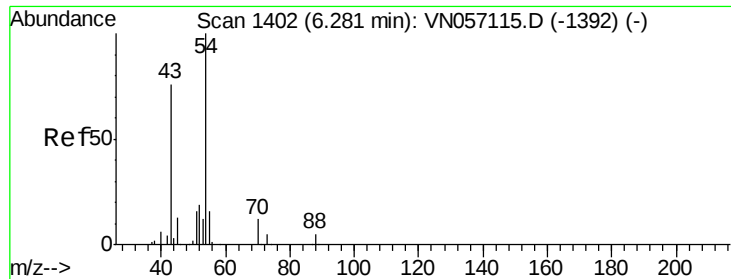
#36
 1,1-Dichloropropene
 Concen: 51.533 ug/l
 RT: 7.20 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 75 Resp: 662597
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.7 56.1
 77 30.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

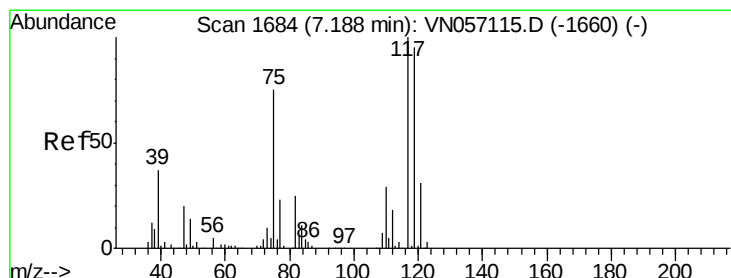
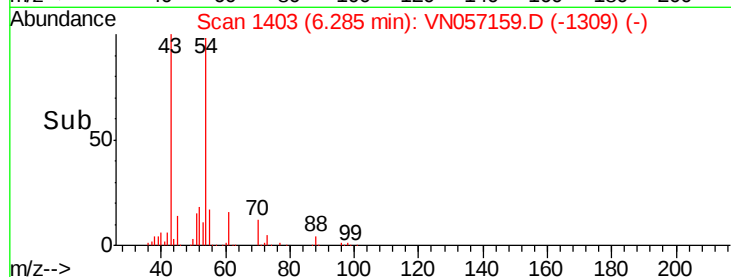
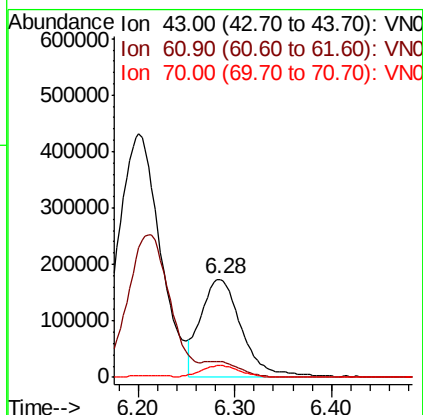
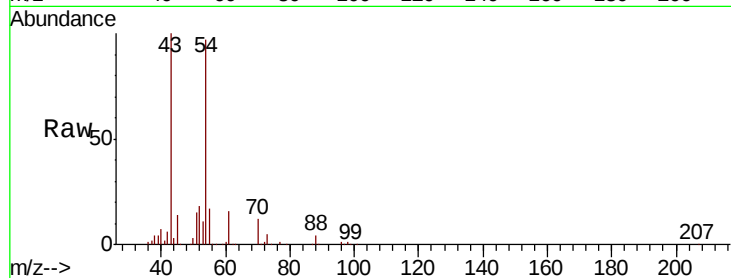




#37
 Ethyl Acetate
 Concen: 47.666 ug/l
 RT: 6.28 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

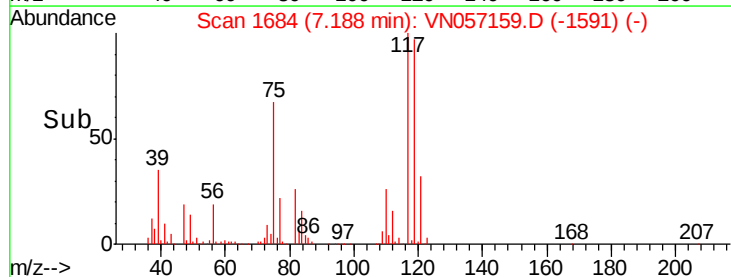
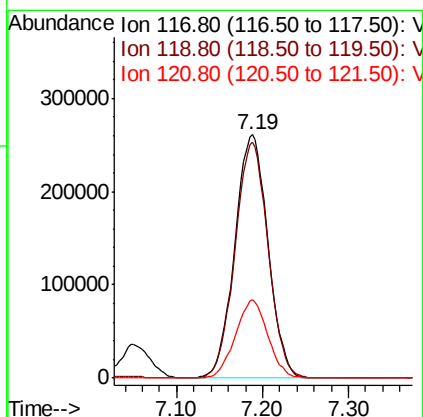
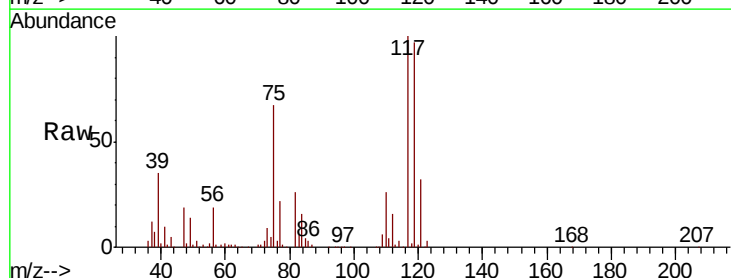
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

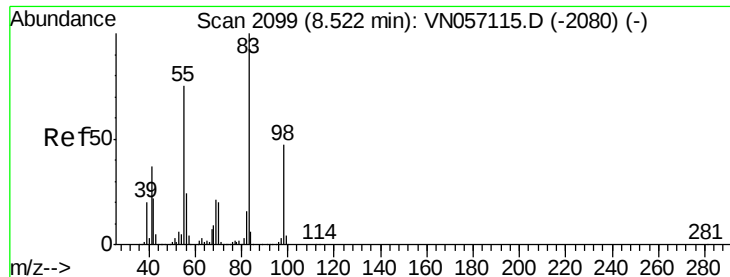
Tgt Ion: 43 Resp: 505224
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 11.5 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 52.186 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 117 Resp: 699294
 Ion Ratio Lower Upper
 117 100
 119 96.9 75.8 113.6
 121 32.1 24.4 36.6

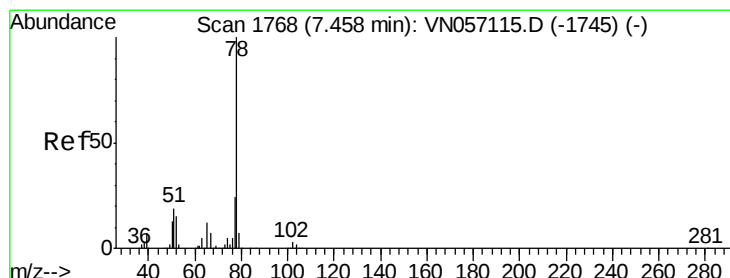
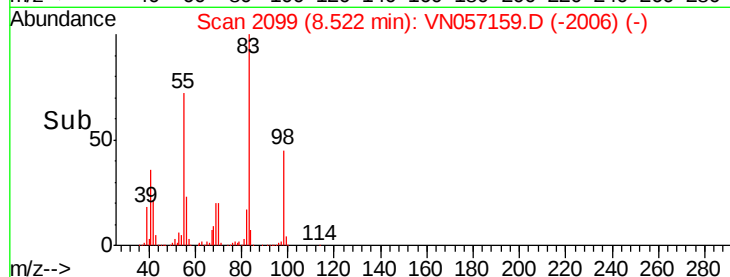
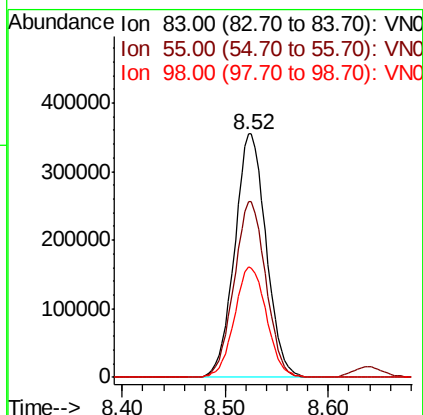
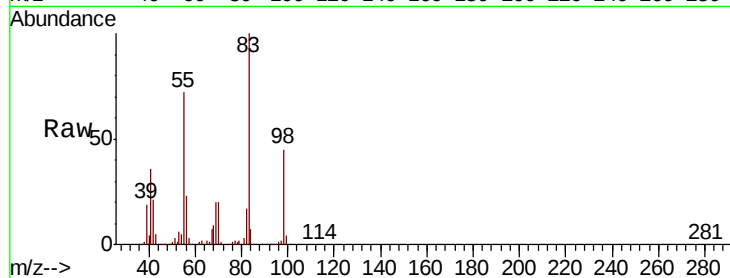




#39
Methylcyclohexane
Concen: 48.198 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

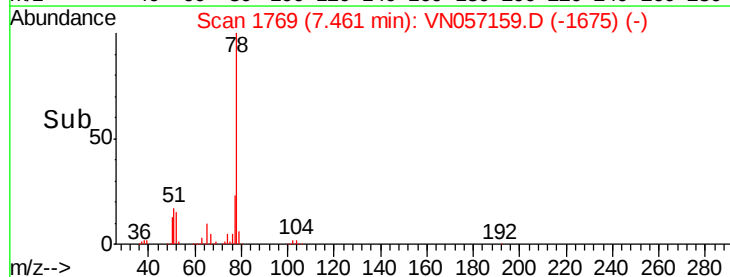
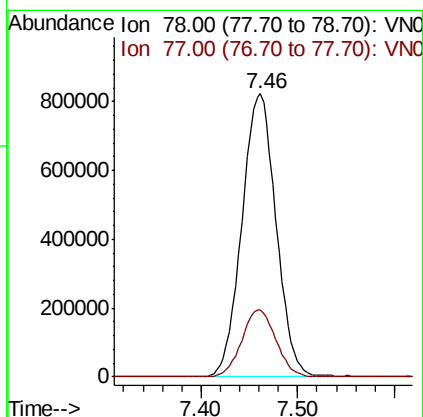
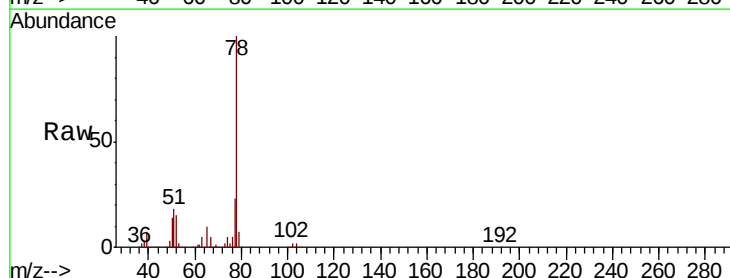
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

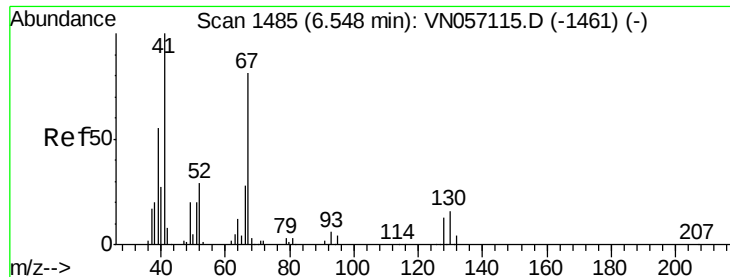
Tgt Ion: 83 Resp: 753623
Ion Ratio Lower Upper
83 100
55 72.2 60.3 90.5
98 45.3 37.9 56.9



#40
Benzene
Concen: 49.684 ug/l
RT: 7.46 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 78 Resp: 2022339
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8

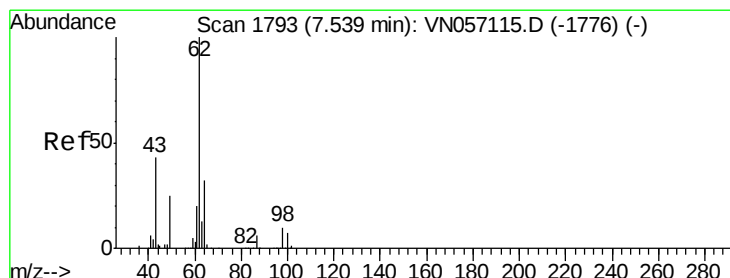
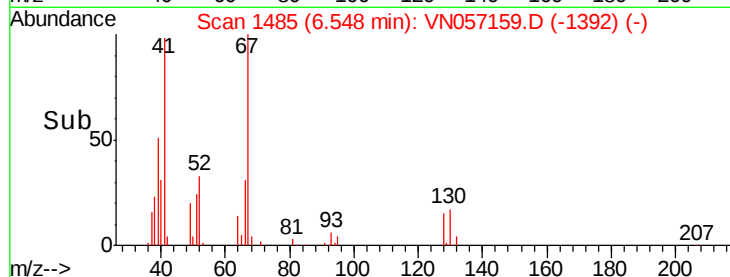
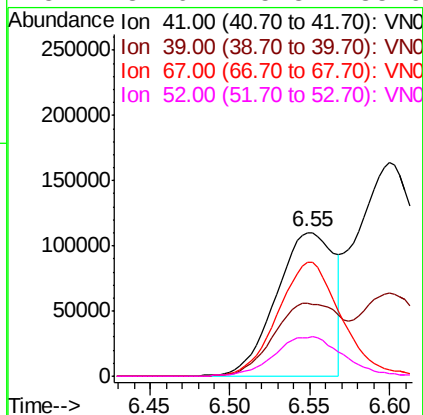
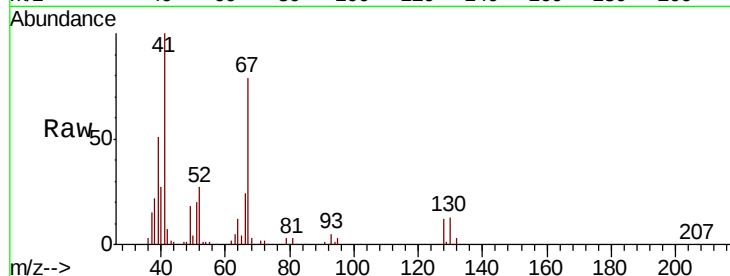




#41
Methacrylonitrile
Concen: 51.599 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

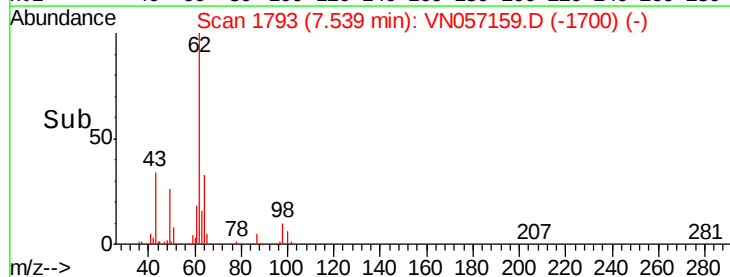
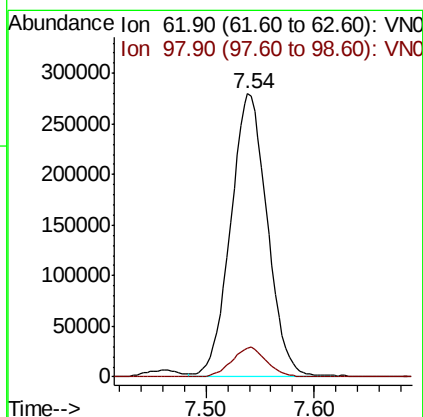
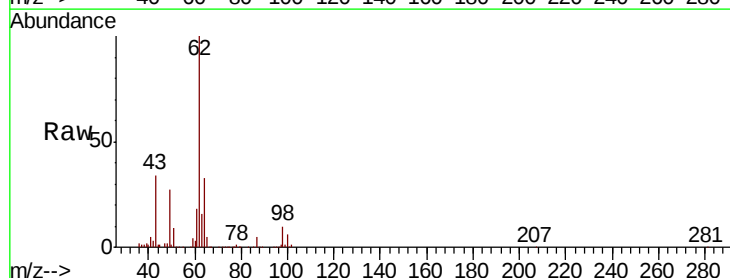
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

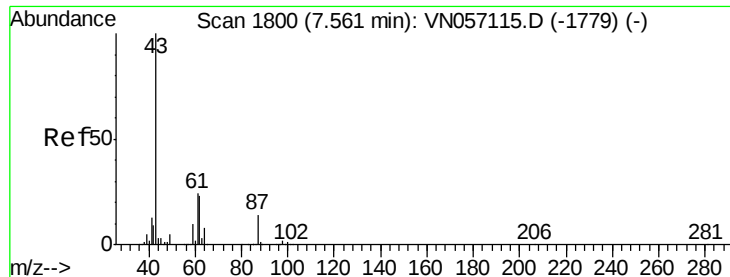
Tgt Ion:	41	Resp:	277809
Ion	Ratio	Lower	Upper
41	100		
39	59.2	44.9	67.3
67	87.8	69.1	103.7
52	32.6	25.8	38.6



#42
1,2-Dichloroethane
Concen: 50.588 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion:	62	Resp:	656713
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 48.938 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

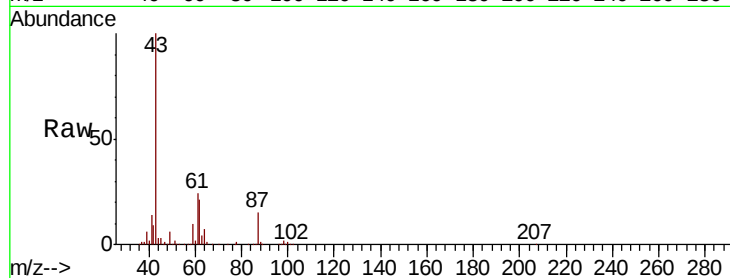
Tgt Ion: 43 Resp: 885181

Ion Ratio Lower Upper

43 100

61 28.6 24.2 36.2

87 14.6 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) (-)

7.56

400000

300000

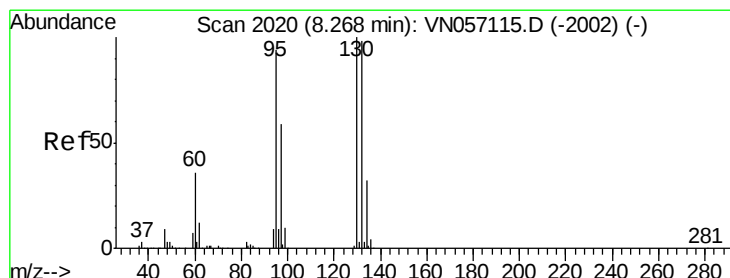
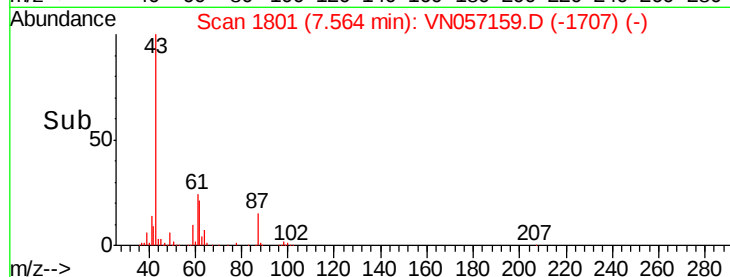
200000

100000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#44

Trichloroethene

Concen: 50.087 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VN057159.D

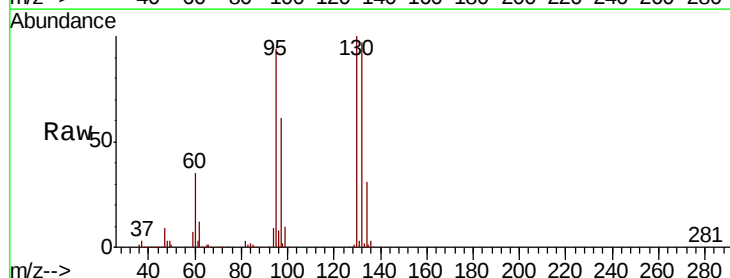
Acq: 9 Aug 2019 20:24

Tgt Ion: 130 Resp: 571171

Ion Ratio Lower Upper

130 100

95 94.0 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) (-)

8.27

300000

250000

200000

150000

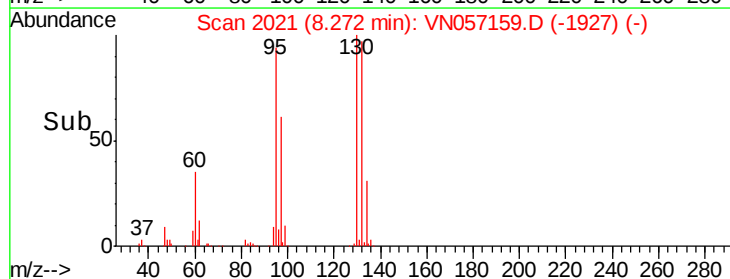
100000

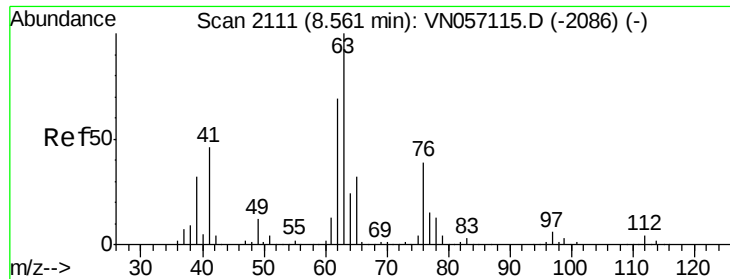
50000

0

8.20 8.25 8.30 8.35 8.40

Time-->

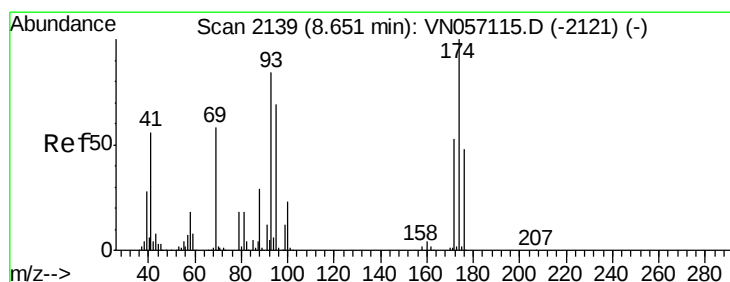
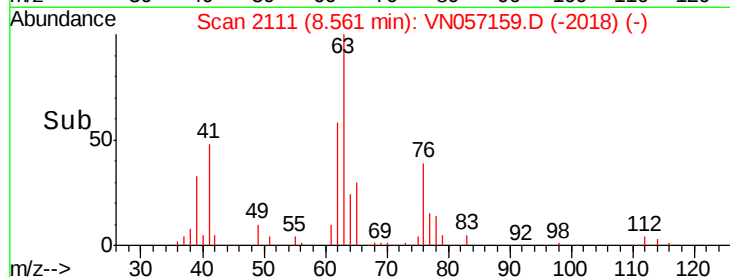
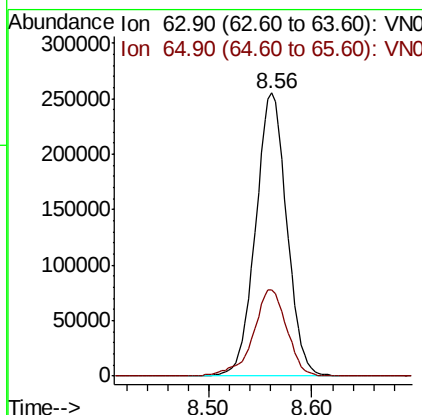
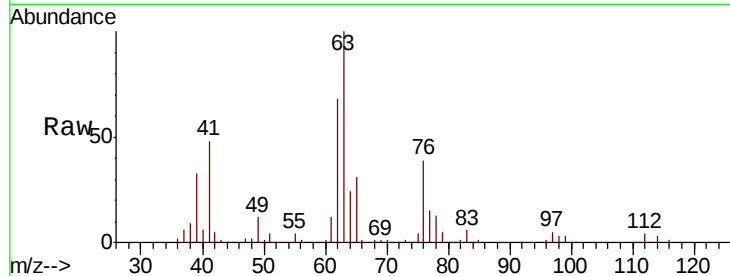




#45
 1,2-Dichloropropane
 Concen: 50.618 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

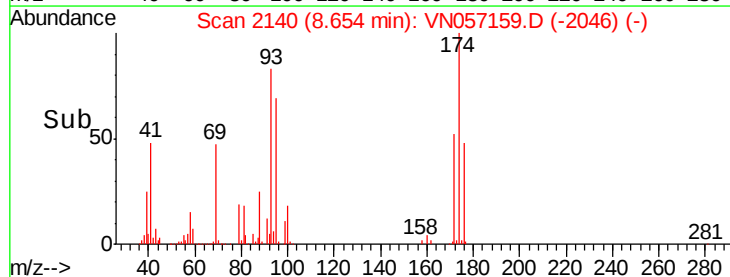
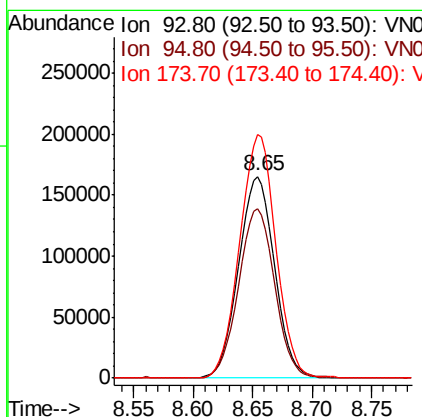
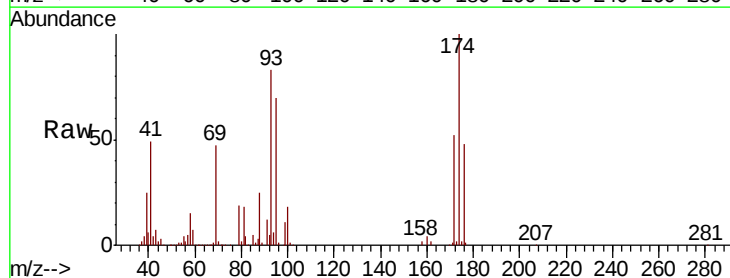
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

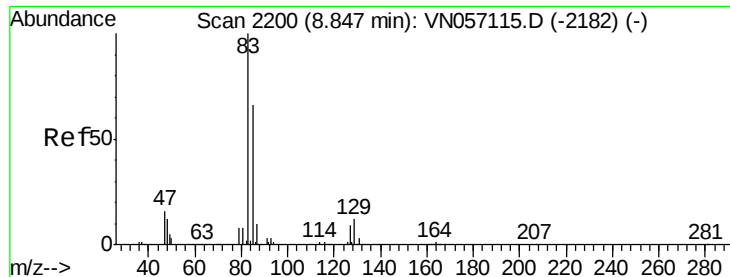
Tgt Ion: 63 Resp: 533479
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.2 37.8



#46
 Dibromomethane
 Concen: 51.496 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 93 Resp: 347997
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.0 99.0
 174 121.0 96.0 144.0





#47

Bromodichloromethane

Concen: 53.721 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

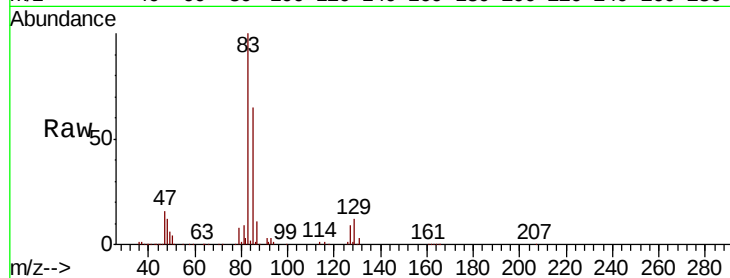
Tgt Ion: 83 Resp: 702441

Ion Ratio Lower Upper

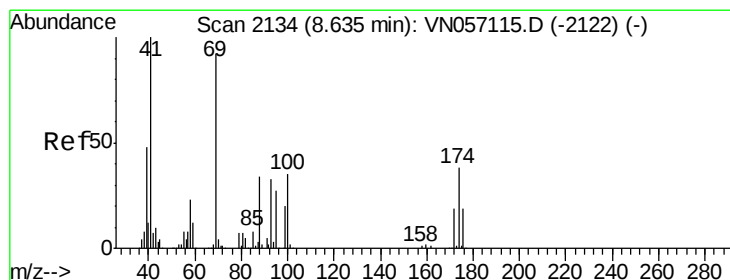
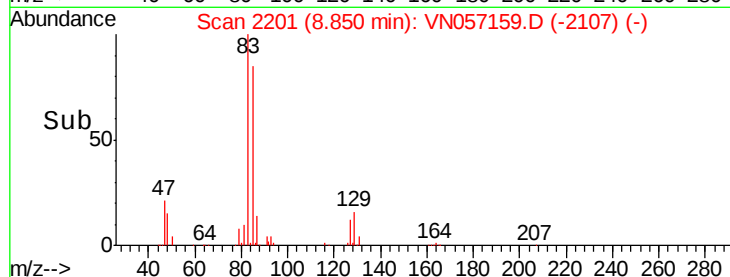
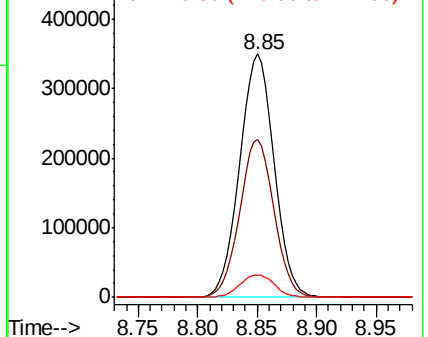
83 100

85 64.8 52.6 78.8

127 9.4 7.5 11.3



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



#48

Methyl methacrylate

Concen: 49.946 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

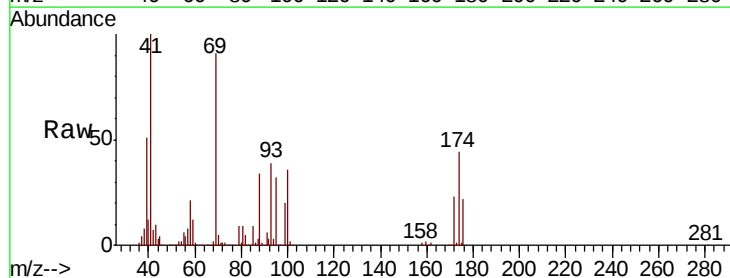
Tgt Ion: 41 Resp: 425998

Ion Ratio Lower Upper

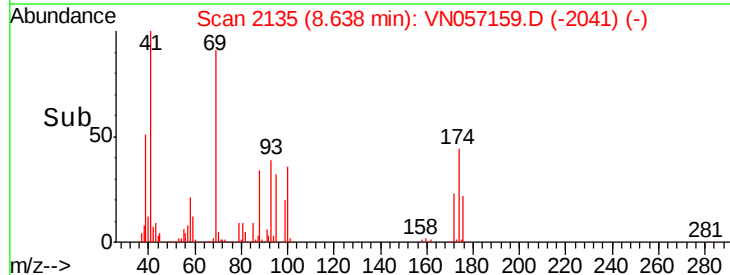
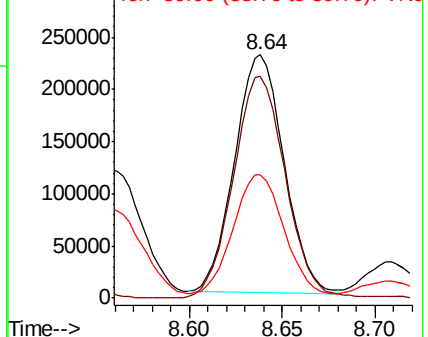
41 100

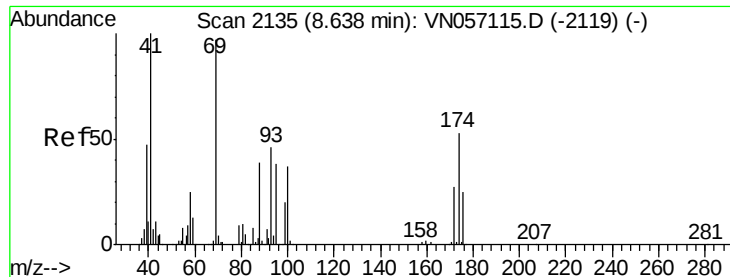
69 97.8 77.5 116.3

39 54.6 39.8 59.6



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

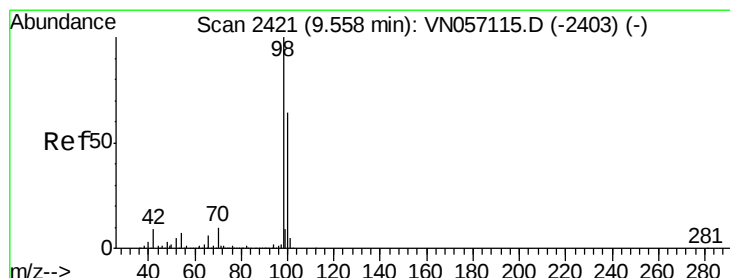
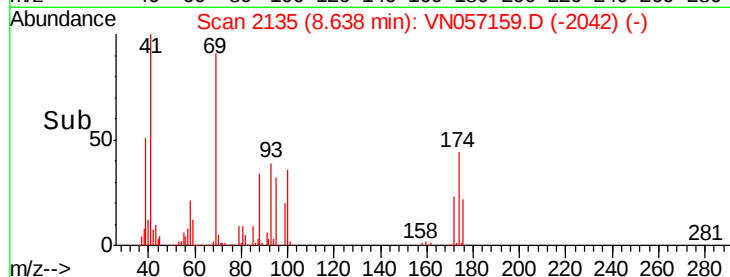
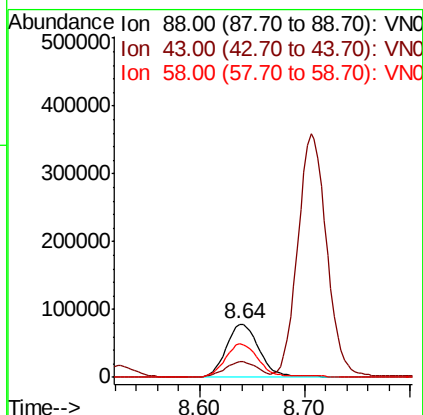
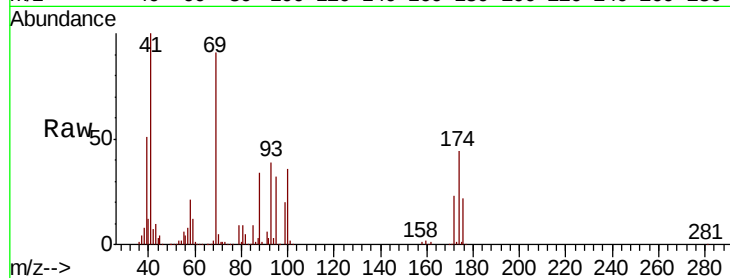




#49
1,4-Dioxane
Concen: 995.187 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

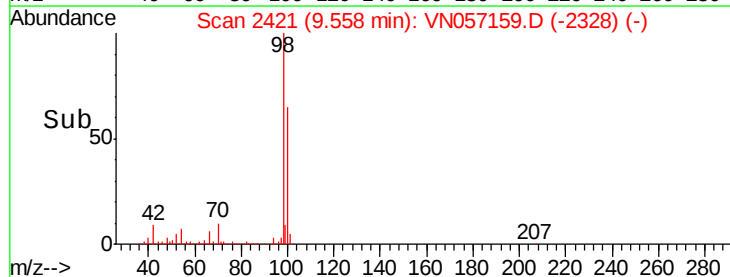
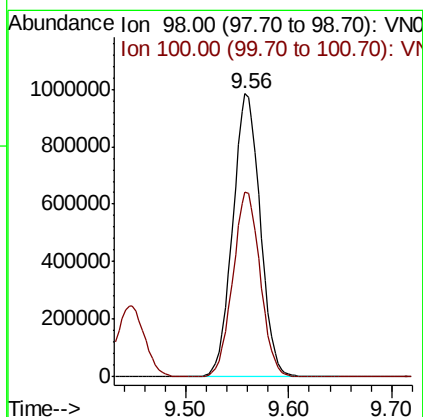
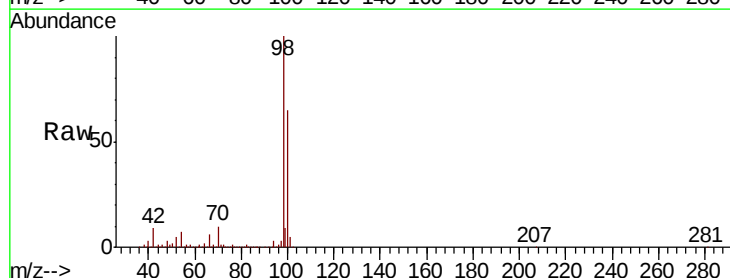
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

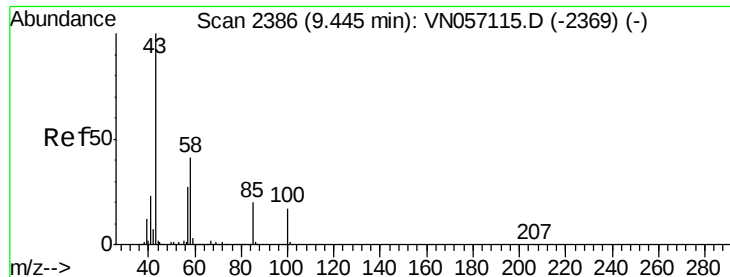
Tgt Ion: 88 Resp: 172876
Ion Ratio Lower Upper
88 100
43 27.9 21.7 32.5
58 62.4 51.1 76.7



#50
Toluene-d8
Concen: 48.762 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 98 Resp: 1828134
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8

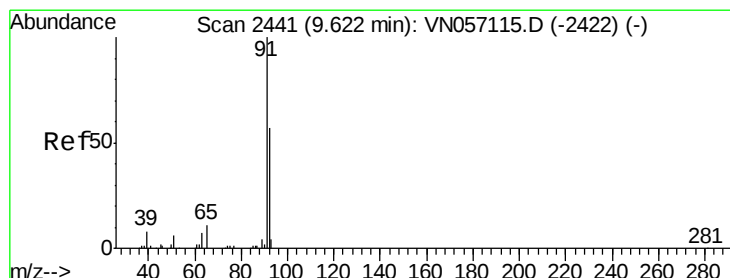
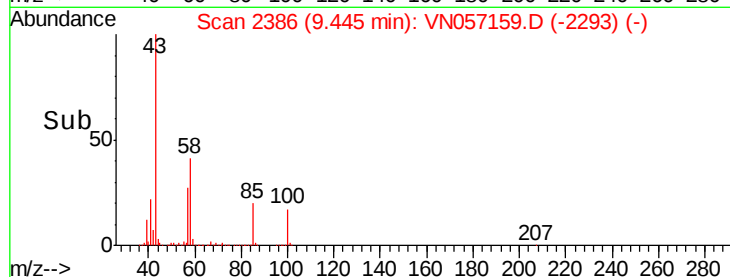
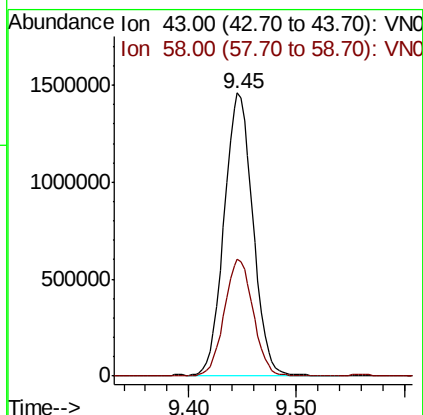
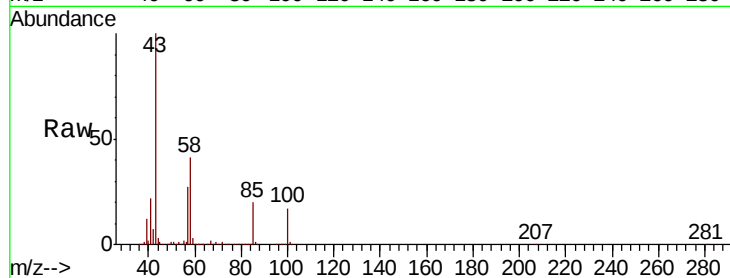




#51
 4-Methyl-2-Pentanone
 Concen: 256.196 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

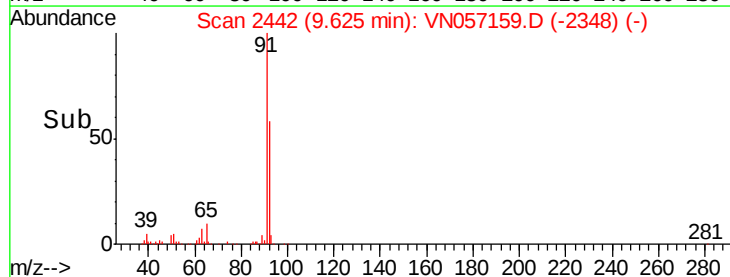
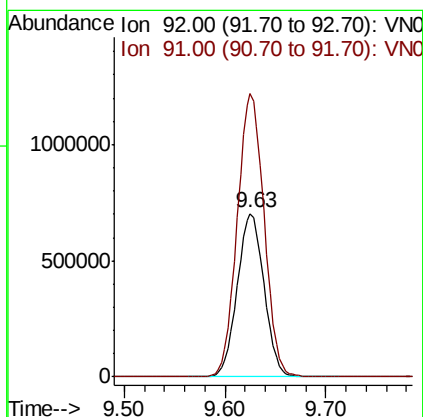
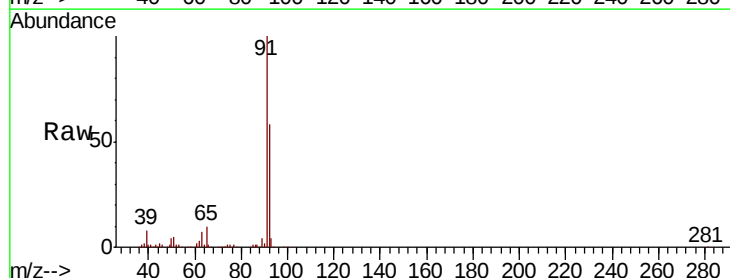
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

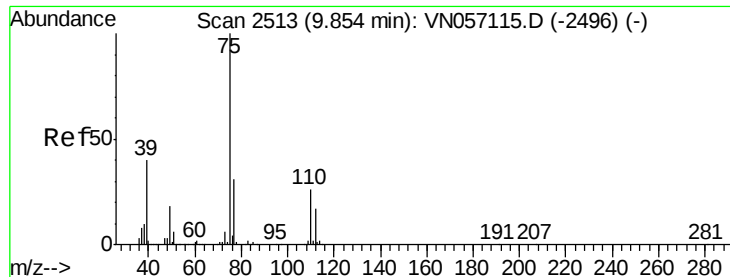
Tgt Ion: 43 Resp: 2696967
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.2 49.8



#52
 Toluene
 Concen: 51.110 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 92 Resp: 1291351
 Ion Ratio Lower Upper
 92 100
 91 174.1 139.8 209.8

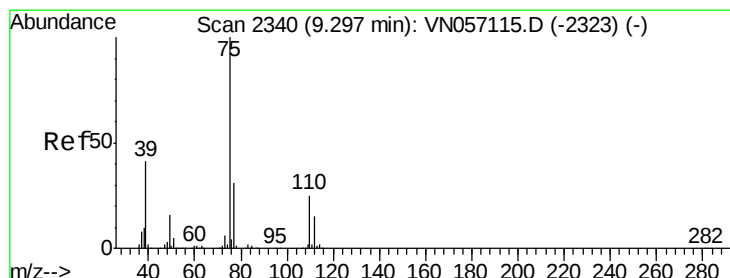
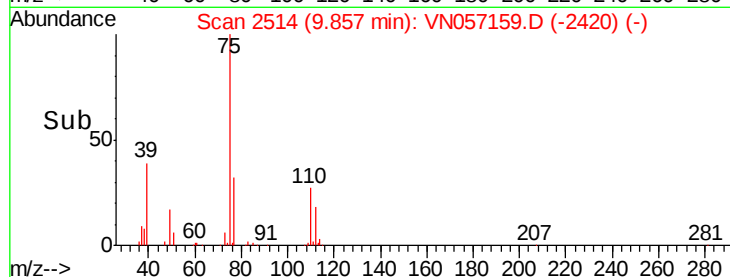
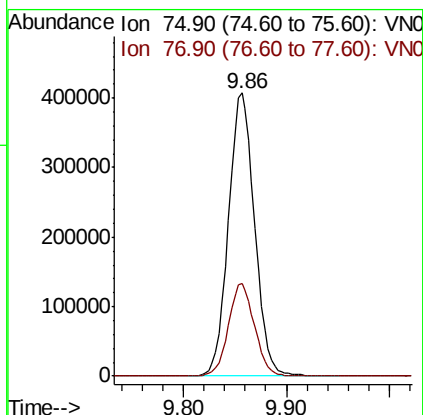
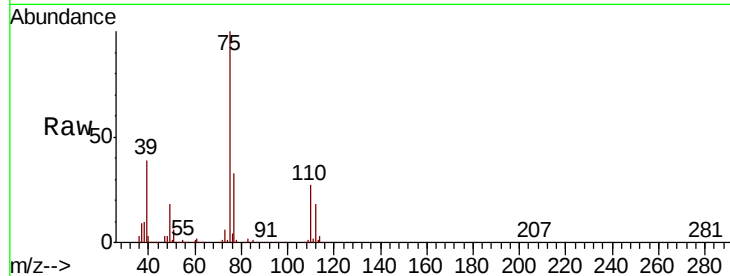




#53
 t-1,3-Dichloropropene
 Concen: 52.582 ug/l
 RT: 9.86 min Scan# 2514
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

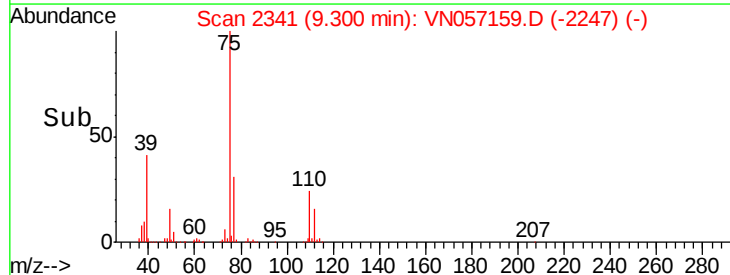
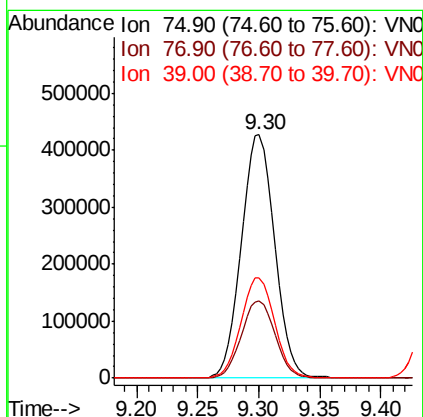
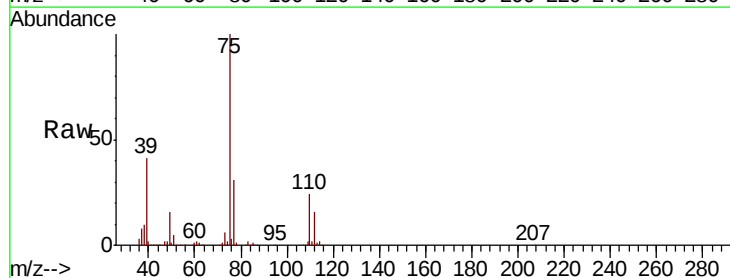
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

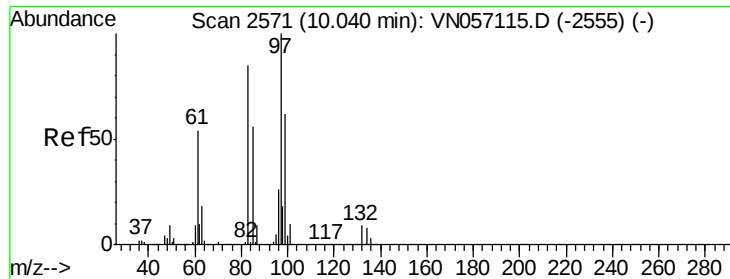
Tgt Ion: 75 Resp: 718270
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.425 ug/l
 RT: 9.30 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 75 Resp: 806063
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 41.0 32.5 48.7

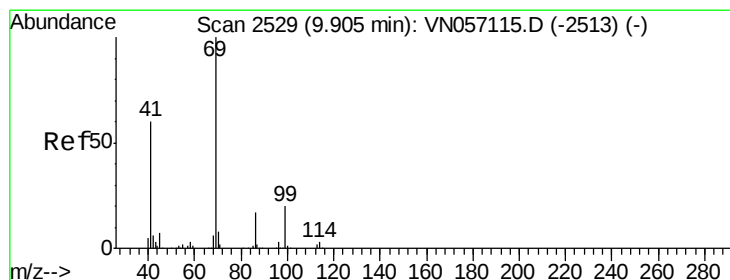
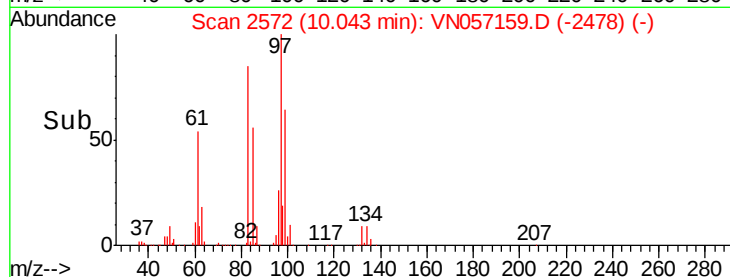
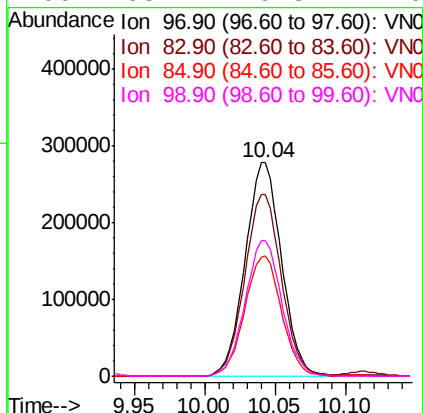
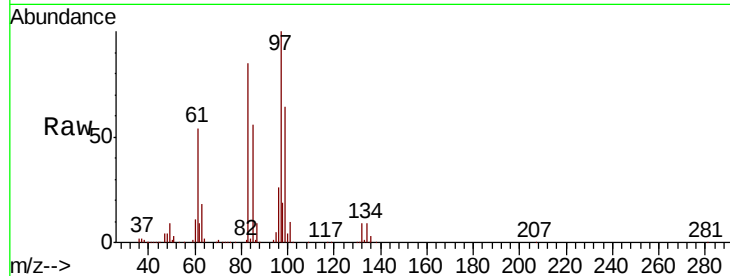




#55
 1,1,2-Trichloroethane
 Concen: 50.557 ug/l
 RT: 10.04 min Scan# 2572
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

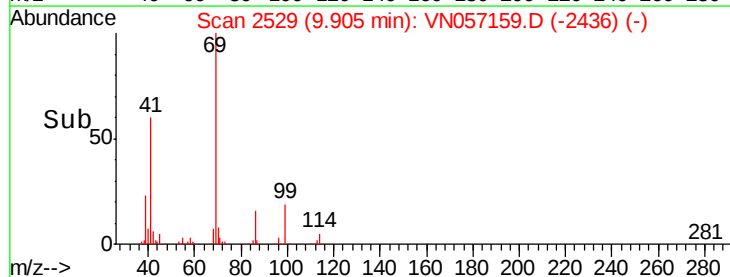
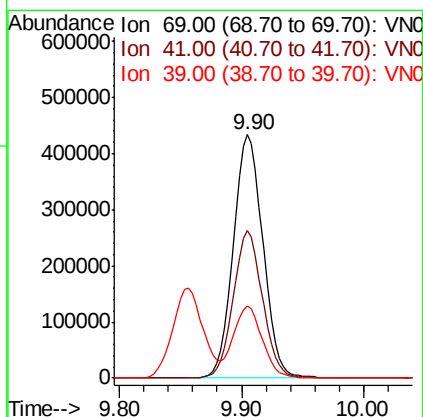
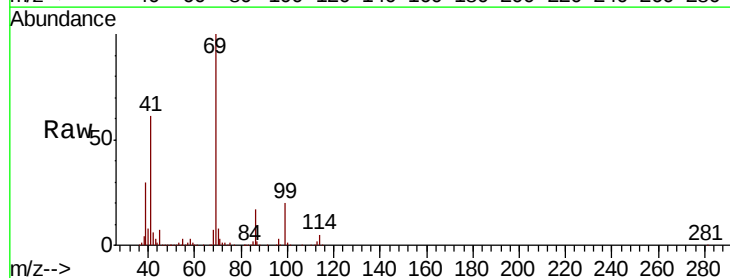
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

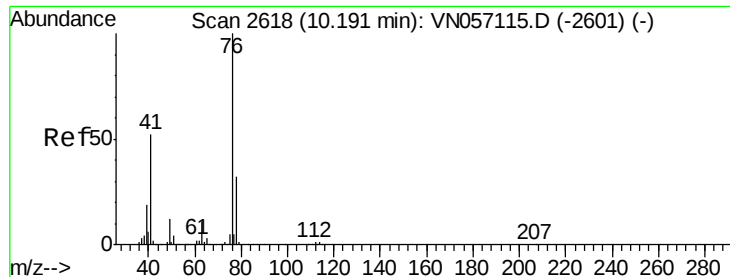
Tgt Ion:	97	Resp:	502315
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.8
85	56.3	44.4	66.6
99	63.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 52.529 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion:	69	Resp:	730745
Ion	Ratio	Lower	Upper
69	100		
41	59.6	48.1	72.1
39	28.8	23.6	35.4

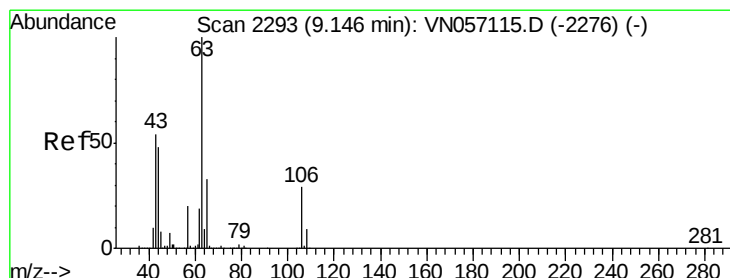
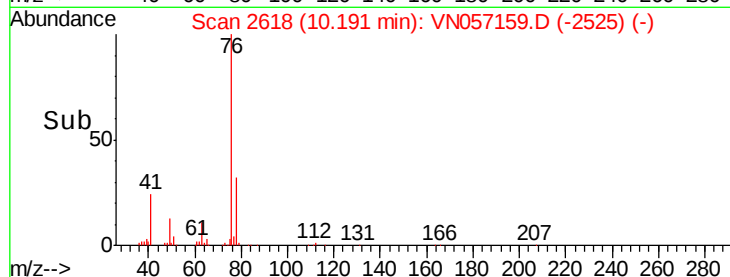
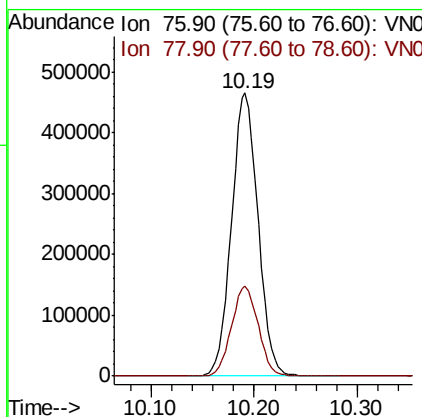
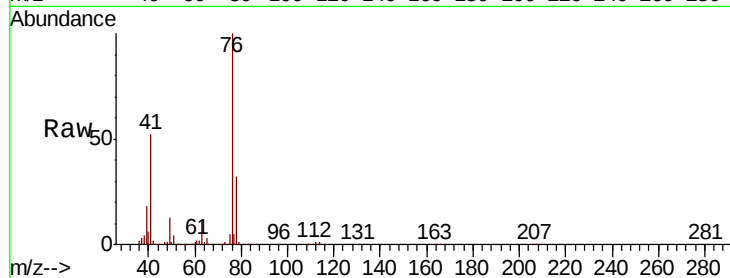




#57
 1,3-Dichloropropane
 Concen: 50.815 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

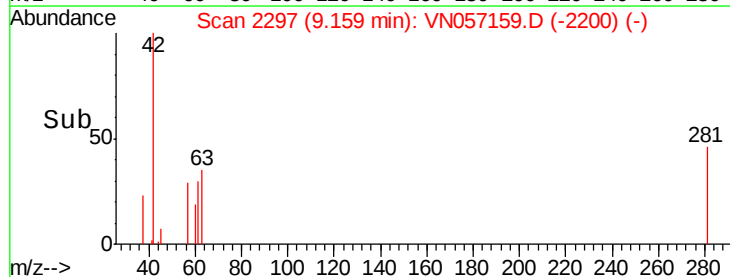
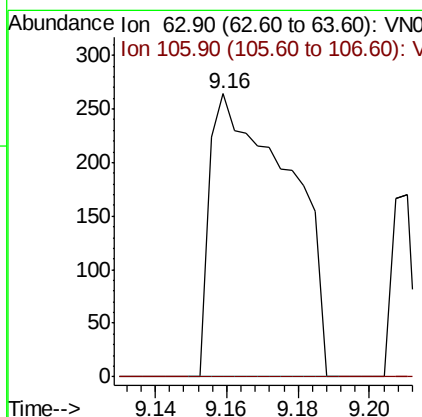
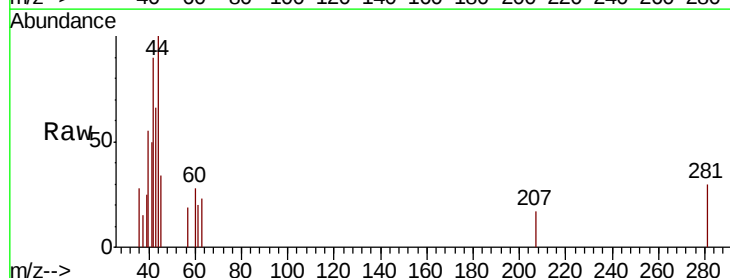
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

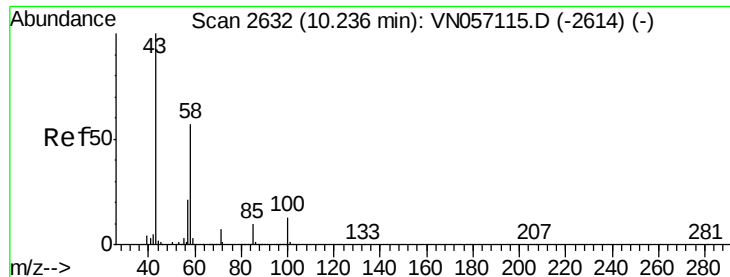
Tgt Ion: 76 Resp: 832586
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.184 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. 0.01 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 63 Resp: 404
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.6 33.8#

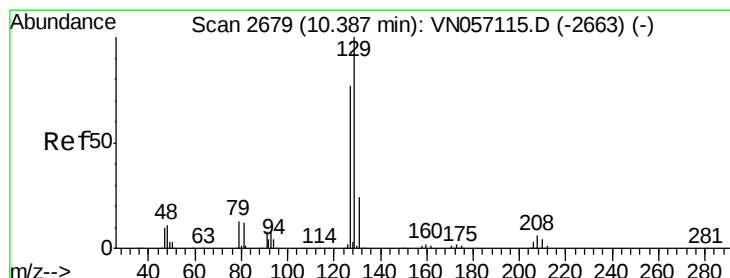
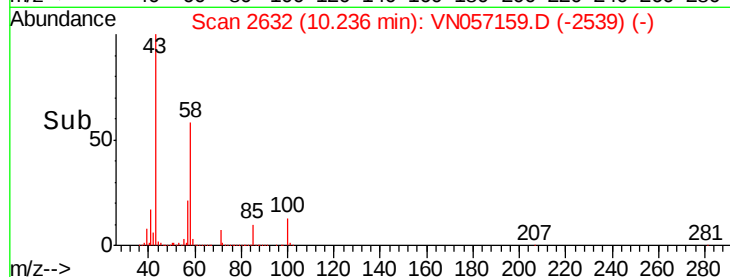
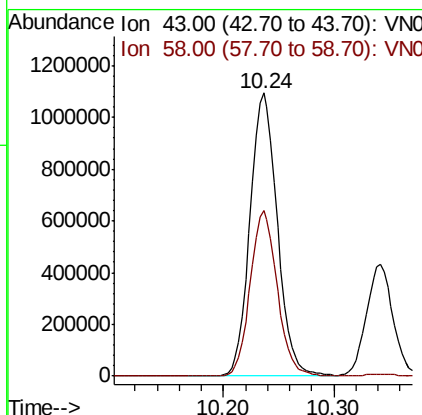
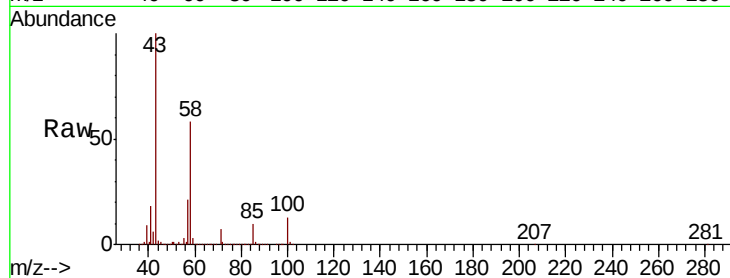




#59
2-Hexanone
Concen: 264.021 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

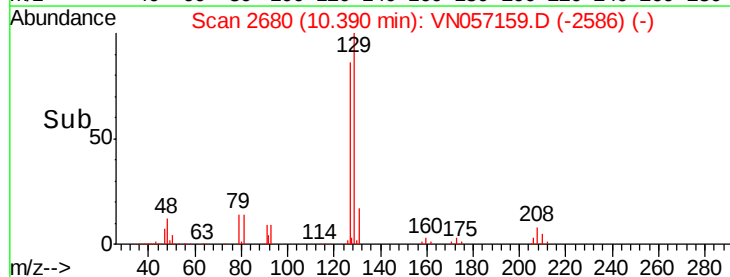
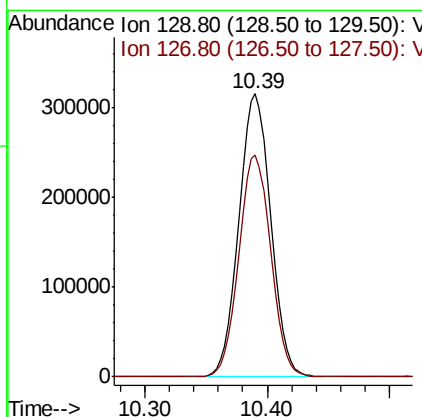
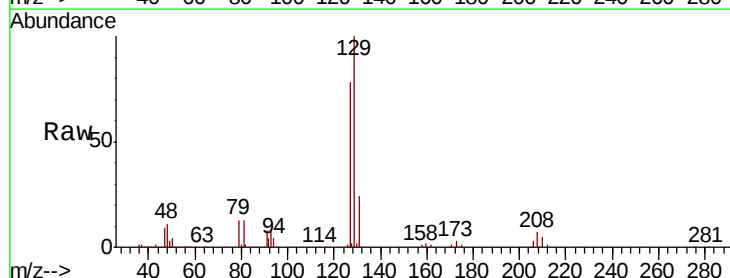
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

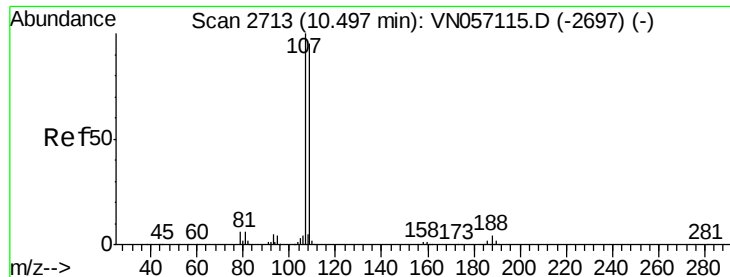
Tgt Ion: 43 Resp: 1881032
Ion Ratio Lower Upper
43 100
58 57.9 29.2 87.6



#60
Dibromochloromethane
Concen: 54.445 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion: 129 Resp: 568121
Ion Ratio Lower Upper
129 100
127 78.5 38.6 116.0

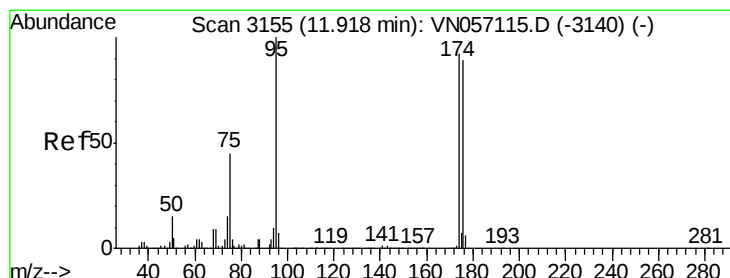
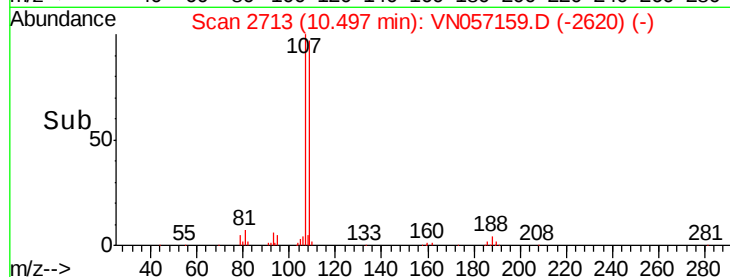
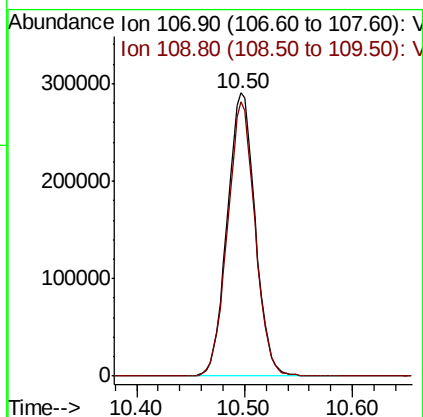
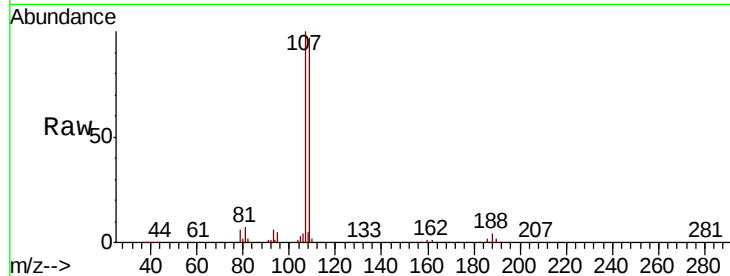




#61
 1,2-Dibromoethane
 Concen: 51.241 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

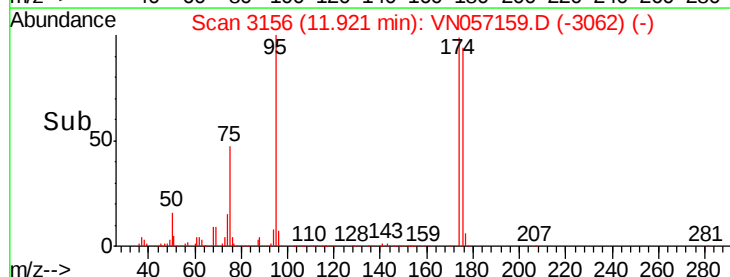
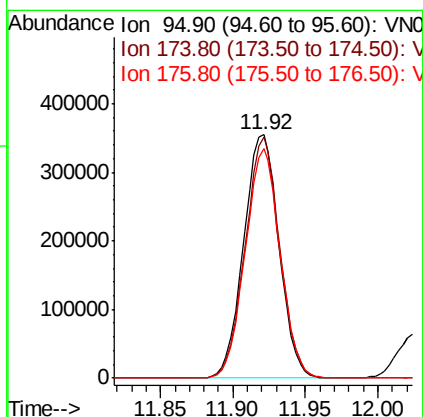
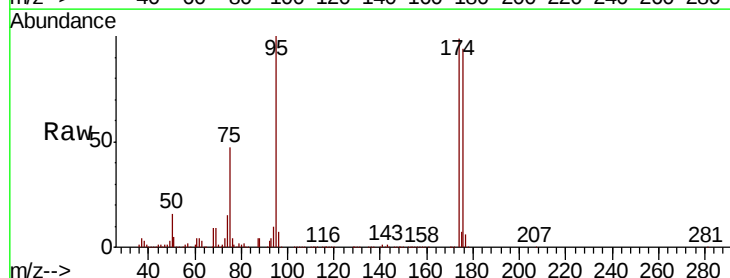
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

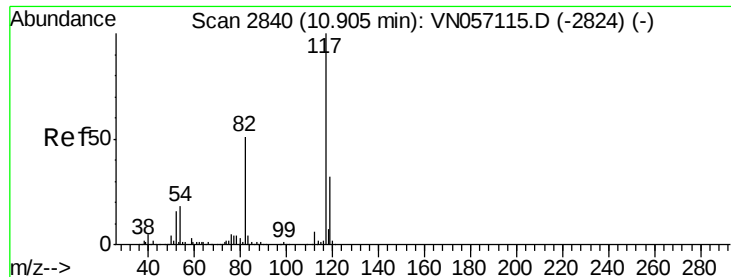
Tgt Ion: 107 Resp: 525357
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.674 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion: 95 Resp: 600061
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 185.0
 176 93.0 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: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

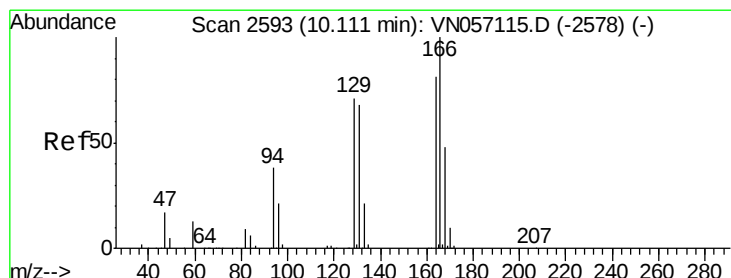
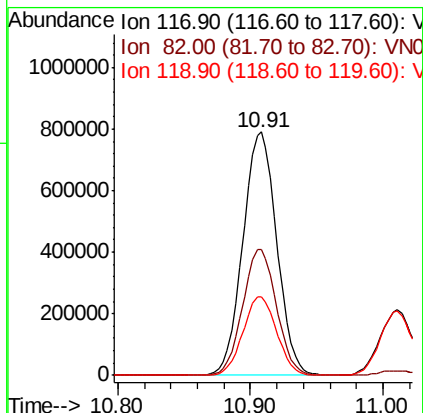
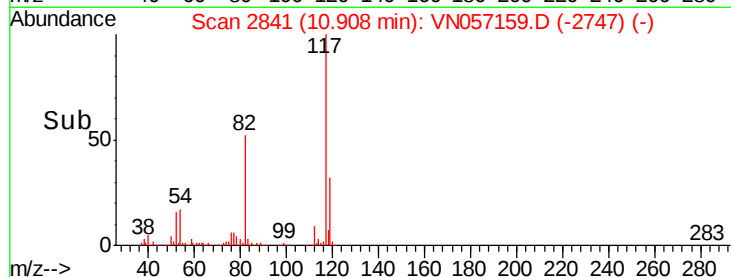
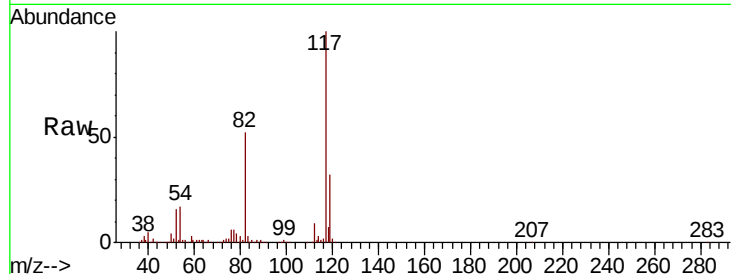
Tgt Ion:117 Resp: 1400777

Ion Ratio Lower Upper

117 100

82 51.7 40.8 61.2

119 32.3 25.7 38.5



#64

Tetrachloroethene

Concen: 48.925 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion:164 Resp: 569947

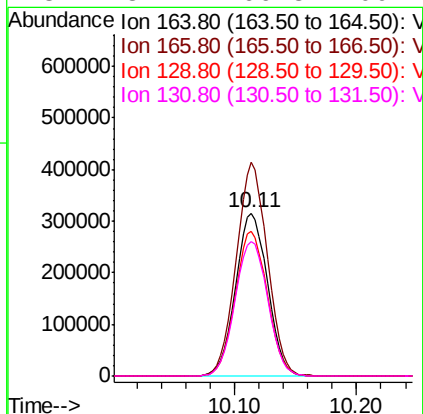
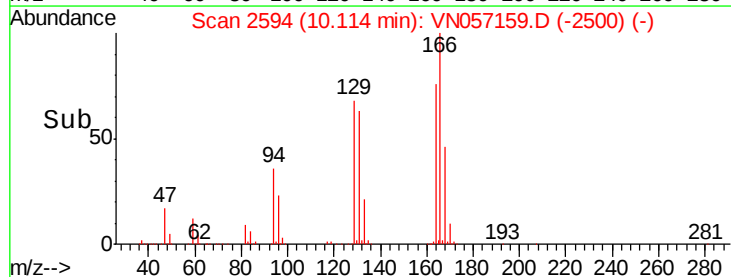
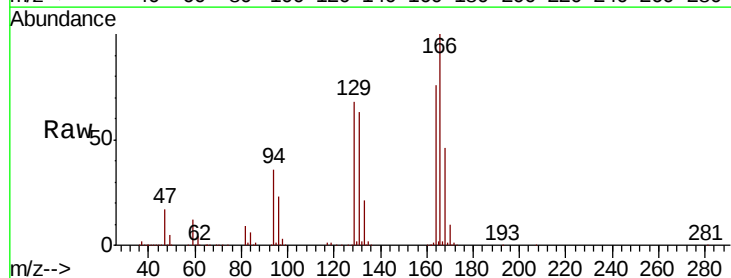
Ion Ratio Lower Upper

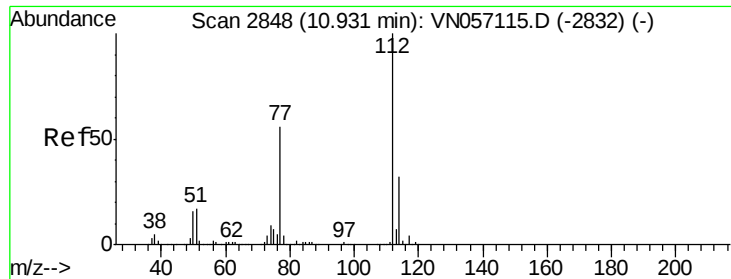
164 100

166 131.0 98.3 147.5

129 89.0 69.8 104.6

131 82.7 66.8 100.2

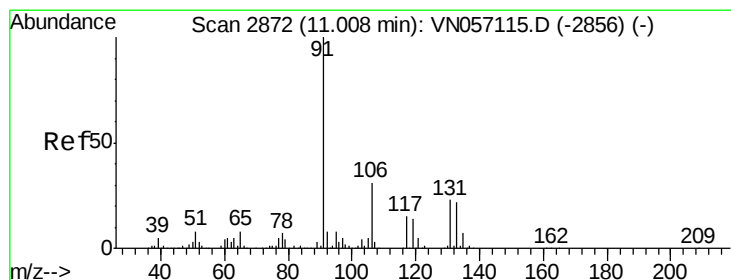
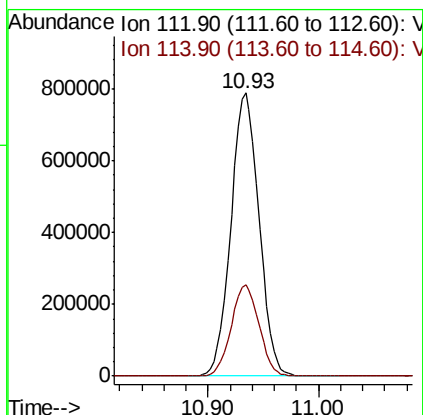
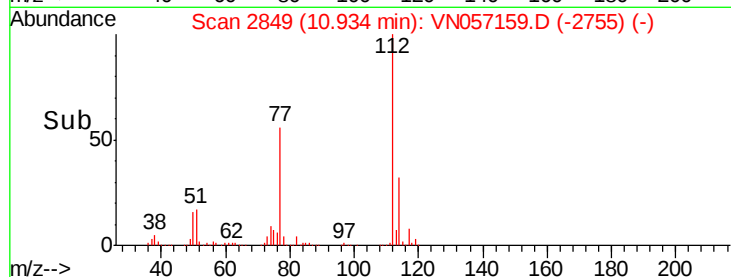
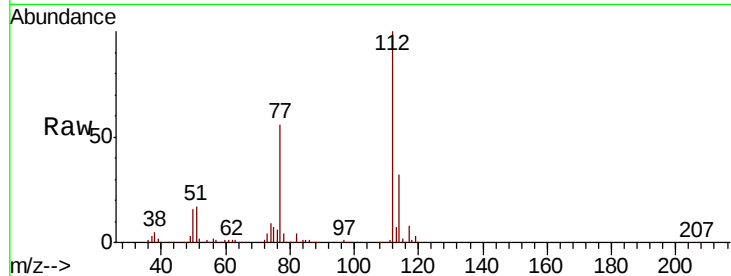




#65
Chlorobenzene
Concen: 49.348 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

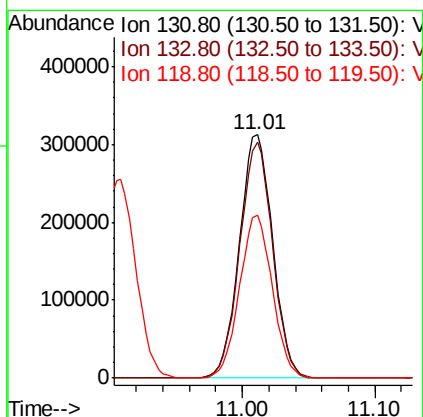
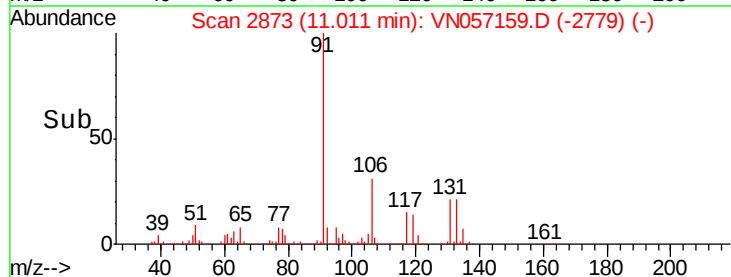
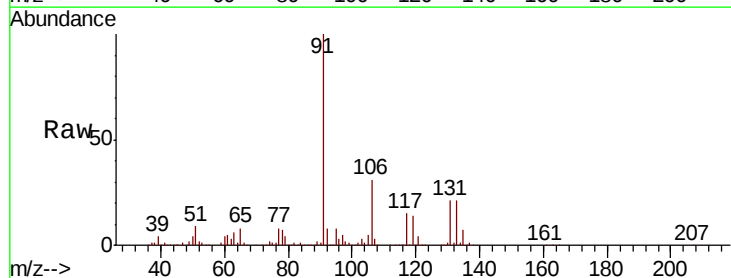
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

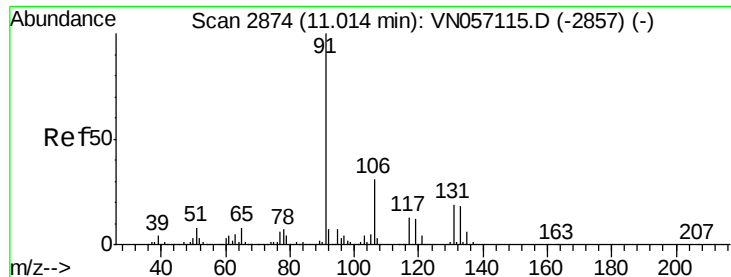
Tgt Ion:112 Resp: 1390853
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.616 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion:131 Resp: 543888
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.8
119 66.0 32.6 97.7





#67

Ethyl Benzene

Concen: 50.665 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

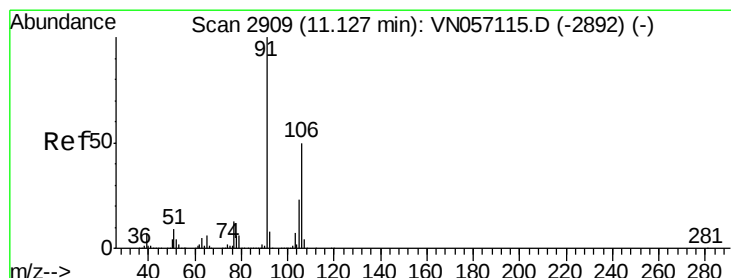
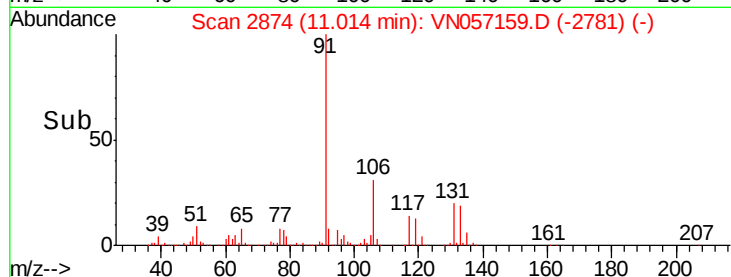
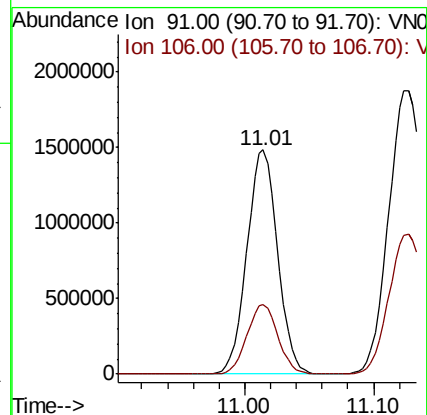
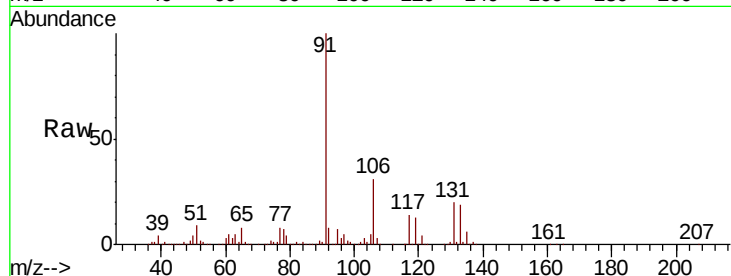
MW-4R_080819MS

Tgt Ion: 91 Resp: 2457688

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 102.063 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057159.D

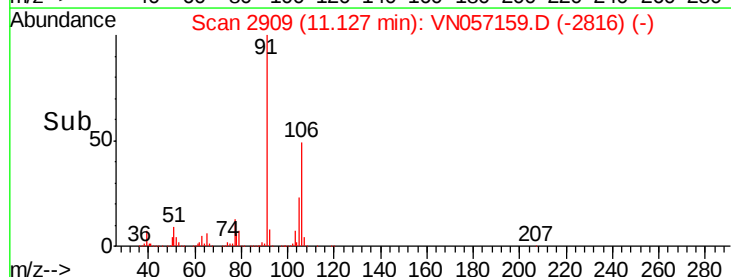
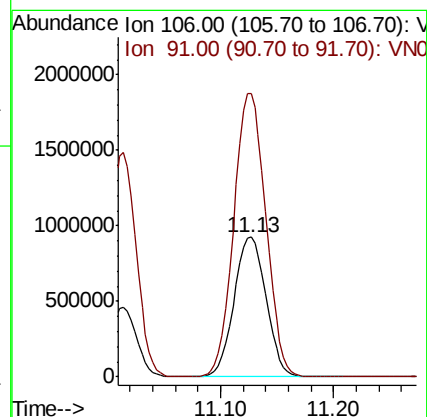
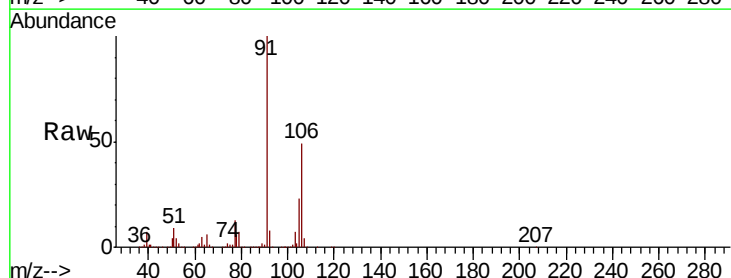
Acq: 9 Aug 2019 20:24

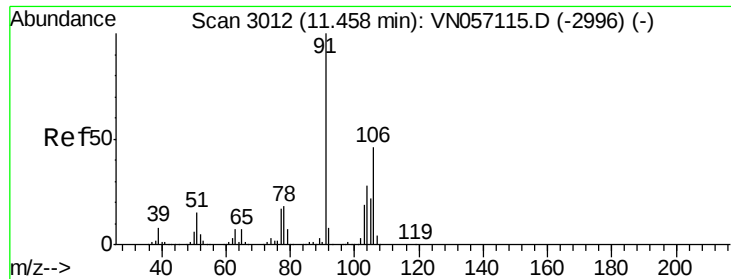
Tgt Ion: 106 Resp: 1823954

Ion Ratio Lower Upper

106 100

91 202.6 159.8 239.8

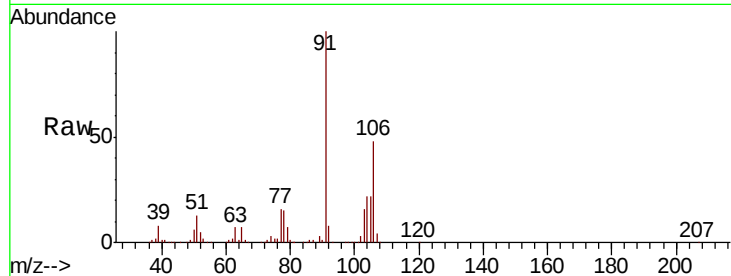




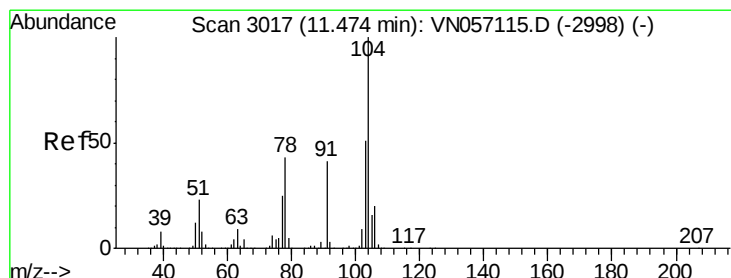
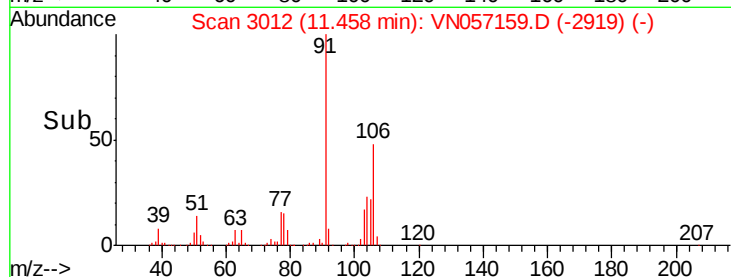
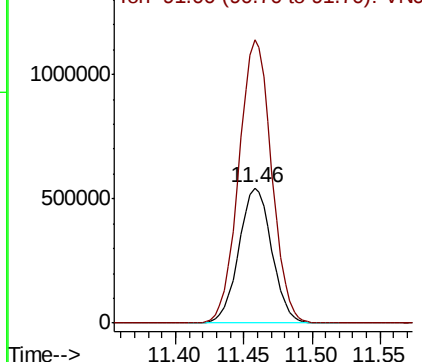
#69
o-Xylene
Concen: 51.098 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tgt Ion:106 Resp: 908823
Ion Ratio Lower Upper
106 100
91 208.8 106.8 320.5

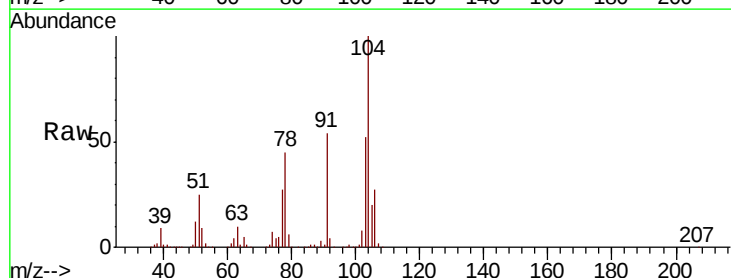


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

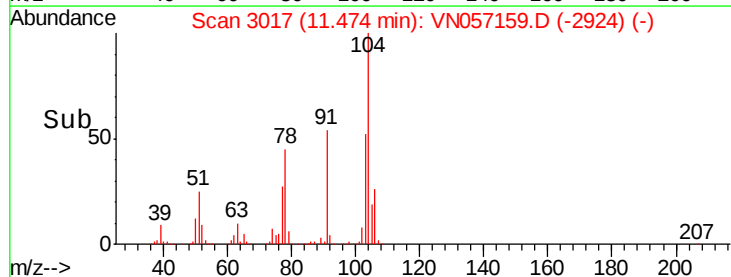
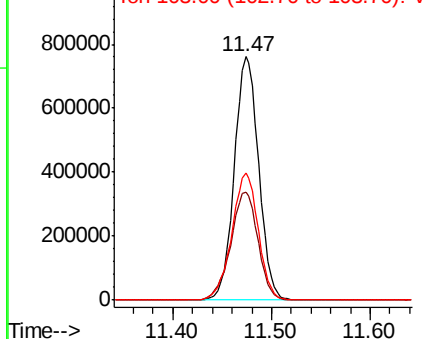


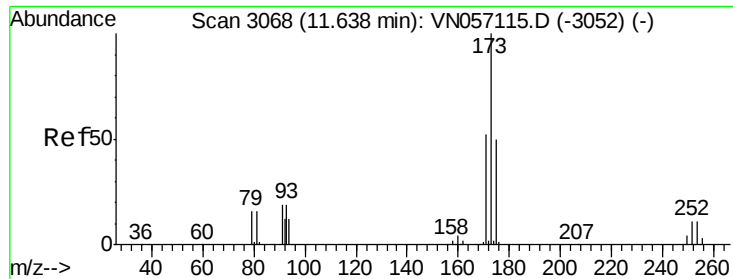
#70
Styrene
Concen: 47.045 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion:104 Resp: 1306920
Ion Ratio Lower Upper
104 100
78 49.6 38.5 57.7
103 56.7 44.6 66.8



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





#71

Bromoform

Concen: 56.212 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

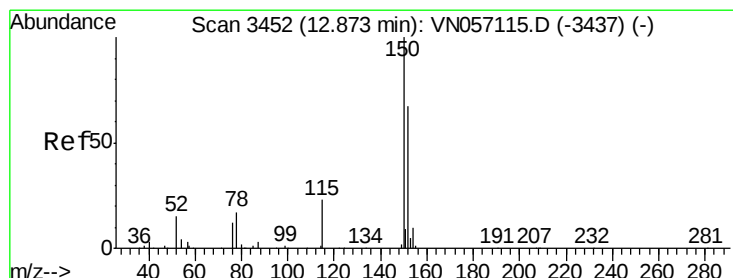
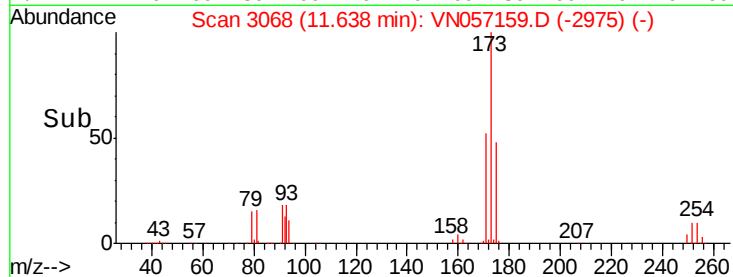
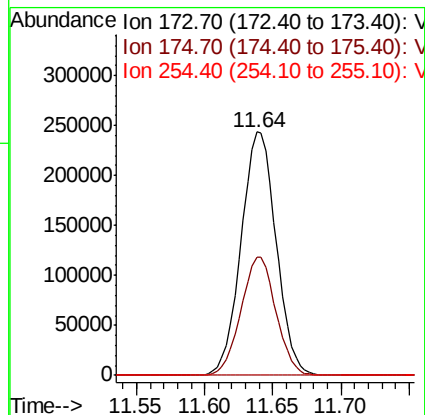
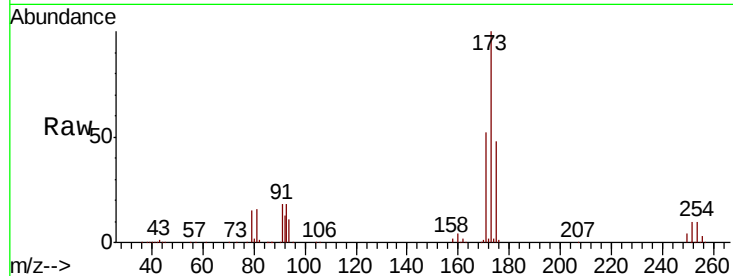
Tgt Ion:173 Resp: 433882

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

254 0.1 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

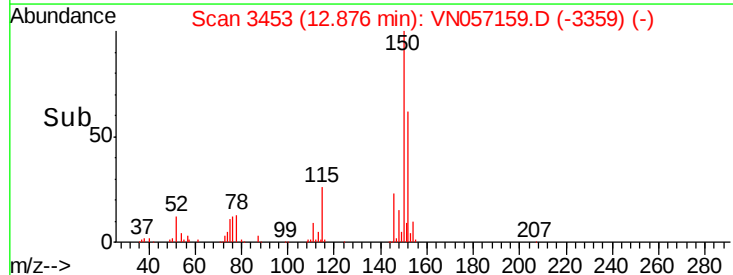
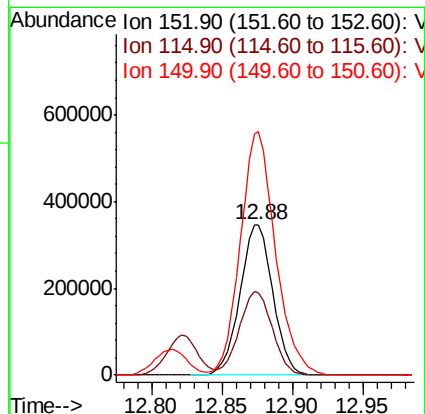
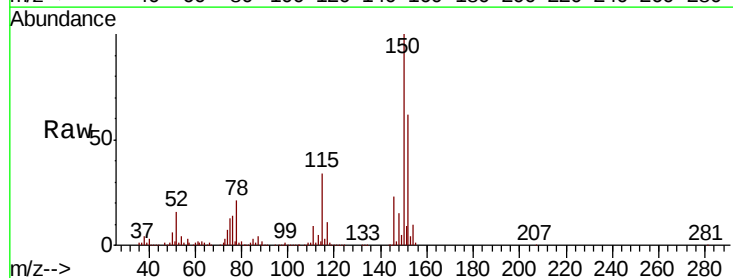
Tgt Ion:152 Resp: 564376

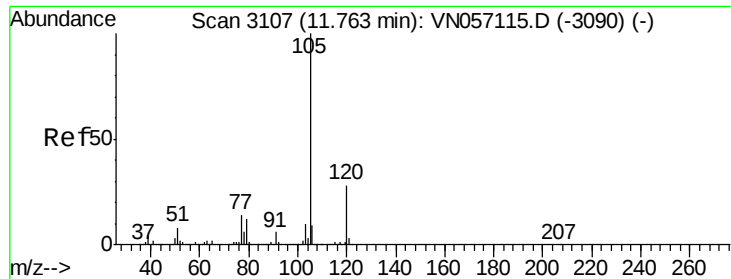
Ion Ratio Lower Upper

152 100

115 56.1 27.5 82.5

150 172.9 0.0 341.6





#73

Isopropylbenzene

Concen: 53.054 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

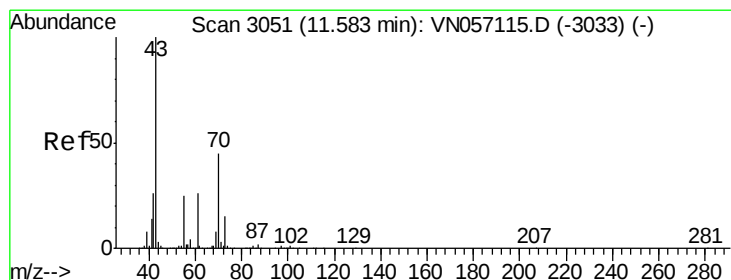
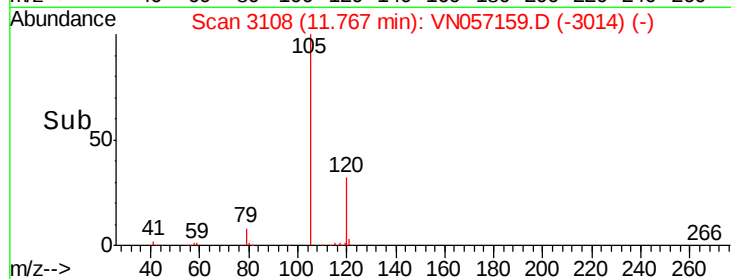
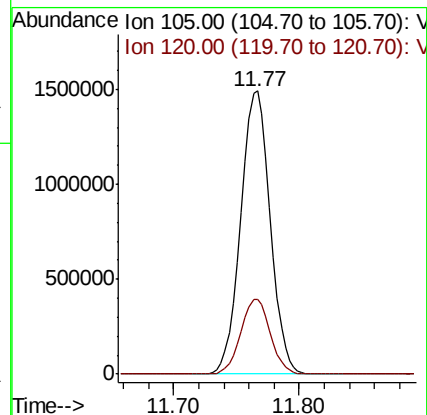
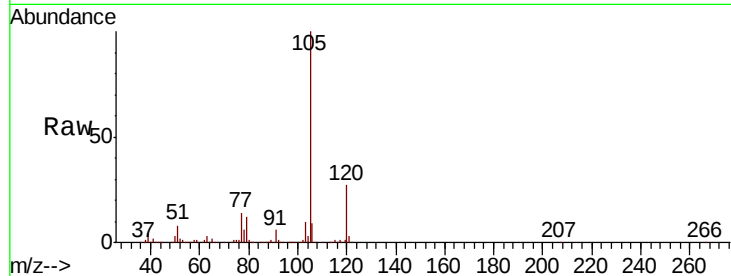
MW-4R 080819MS

Tgt Ion:105 Resp: 2431351

Ion Ratio Lower Upper

105 100

120 26.5 13.7 41.0



#74

N-ethyl acetate

Concen: 45.108 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Tgt Ion: 43 Resp: 645127

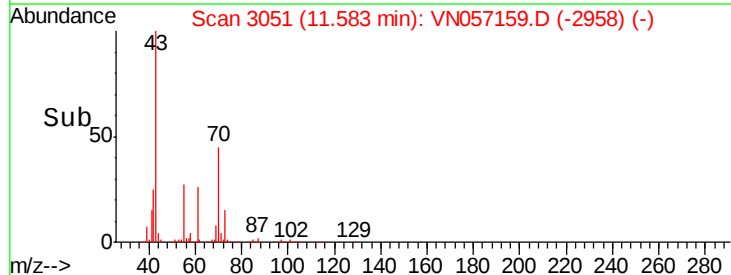
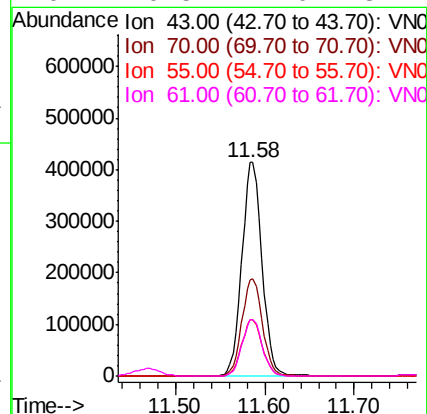
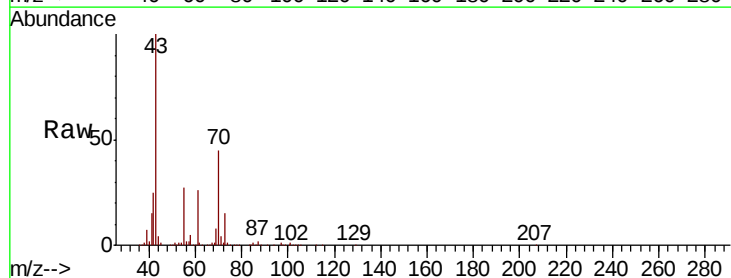
Ion Ratio Lower Upper

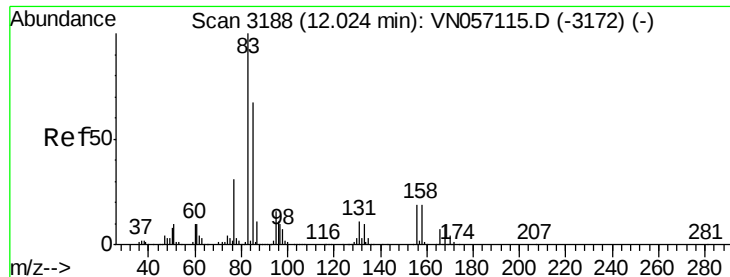
43 100

70 46.5 36.8 55.2

55 27.0 20.6 31.0

61 26.5 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 56.604 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

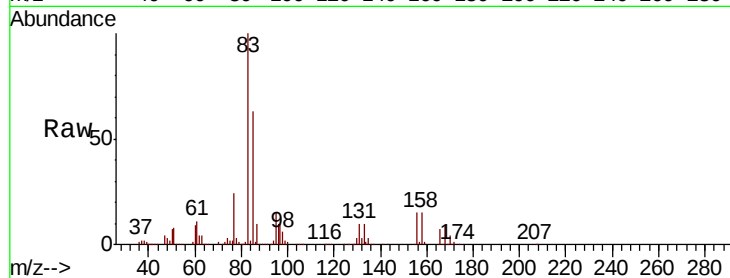
Tgt Ion: 83 Resp: 689794

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

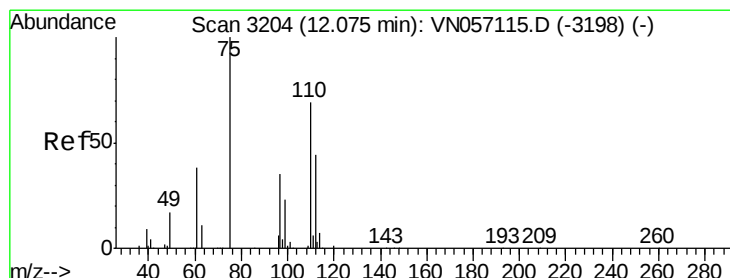
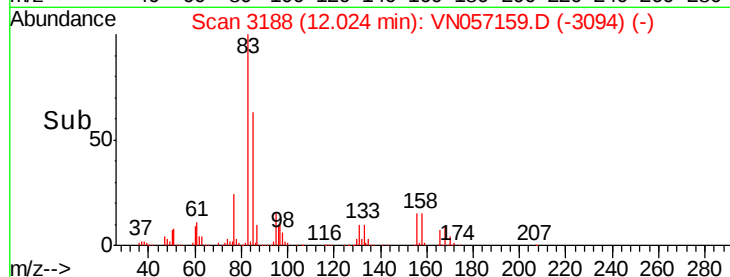
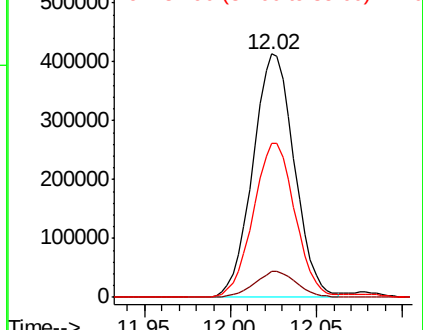
85 63.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 74.753 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057159.D

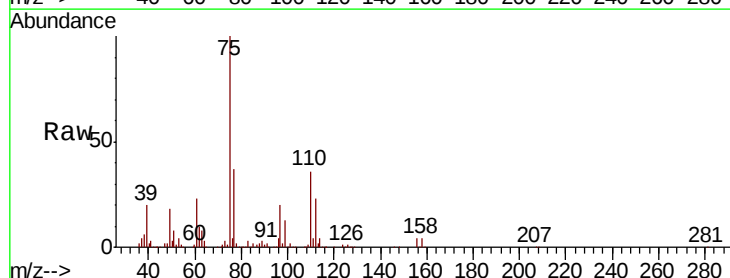
Acq: 9 Aug 2019 20:24

Tgt Ion: 75 Resp: 807221

Ion Ratio Lower Upper

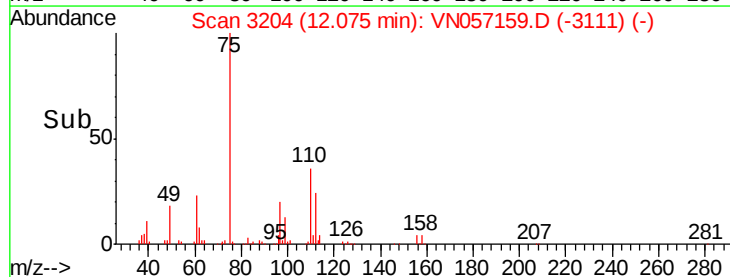
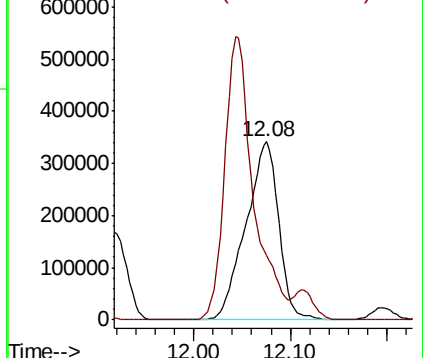
75 100

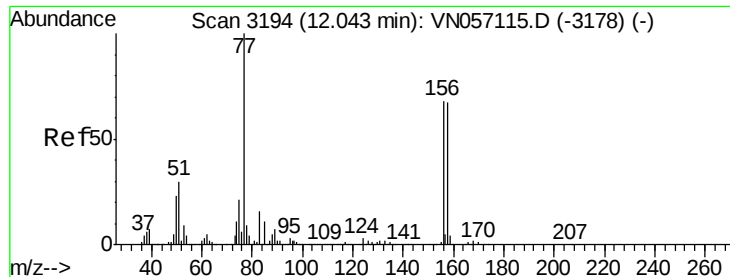
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.896 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

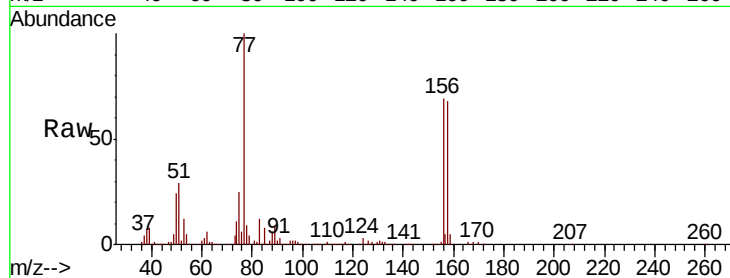
Tgt Ion:156 Resp: 636159

Ion Ratio Lower Upper

156 100

77 176.0 88.7 266.1

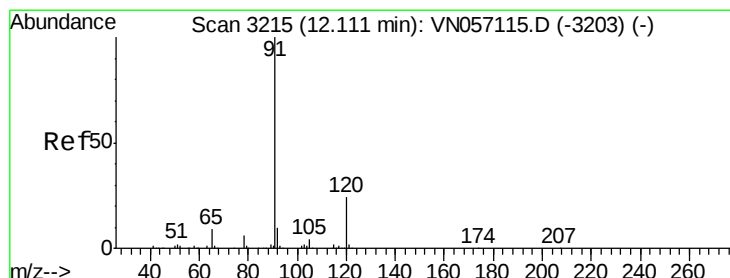
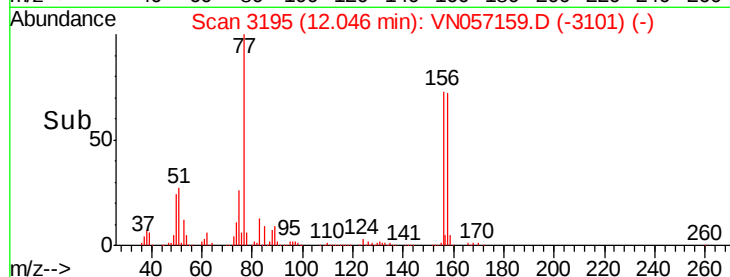
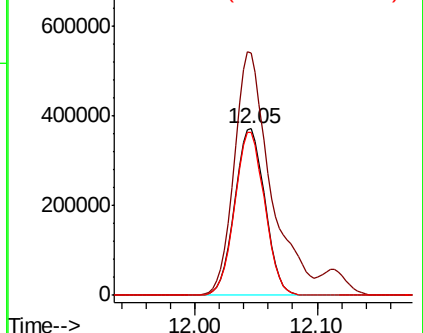
158 97.6 49.3 147.8



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: 46.451 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057159.D

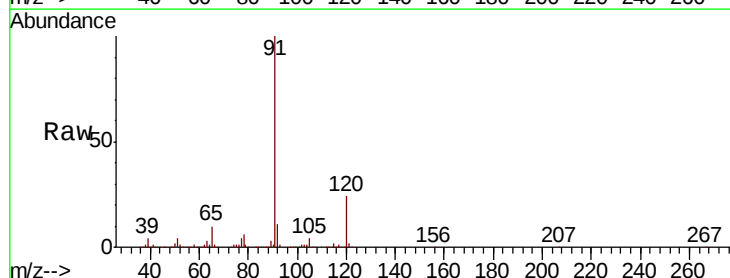
Acq: 9 Aug 2019 20:24

Tgt Ion: 91 Resp: 2515012

Ion Ratio Lower Upper

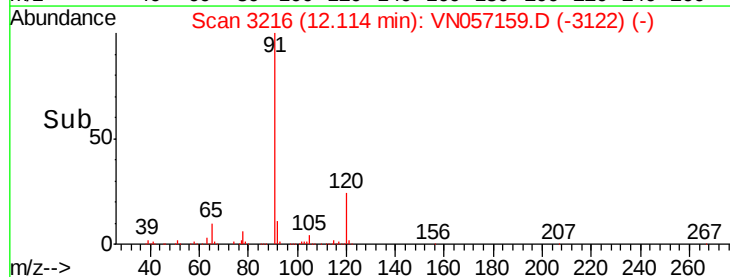
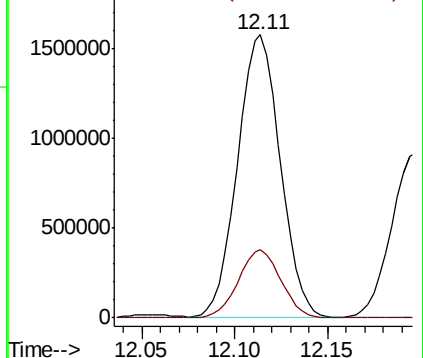
91 100

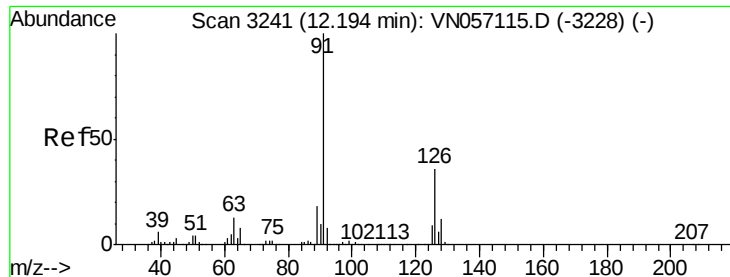
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.459 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

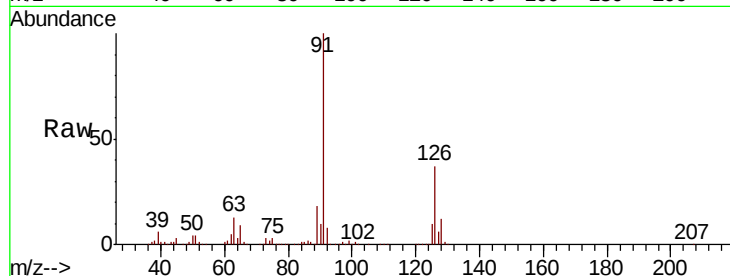
MW-4R 080819MS

Tgt Ion: 91 Resp: 1550675

Ion Ratio Lower Upper

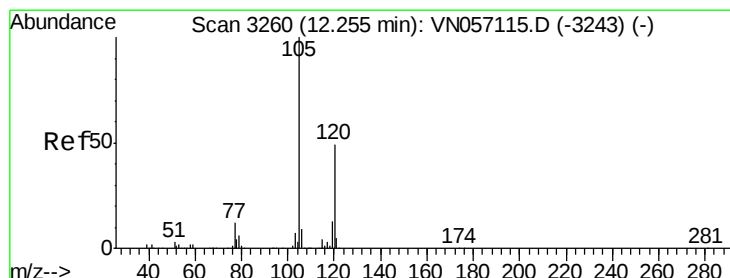
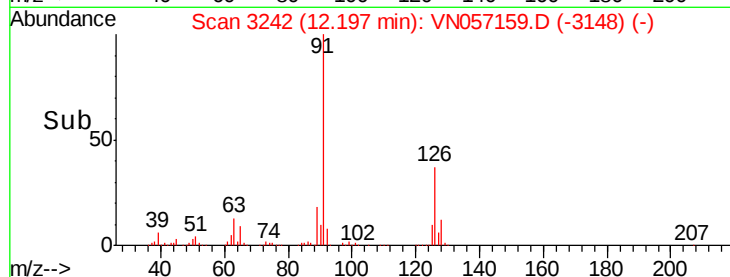
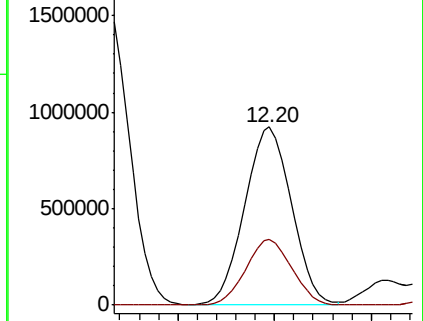
91 100

126 36.6 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.246 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057159.D

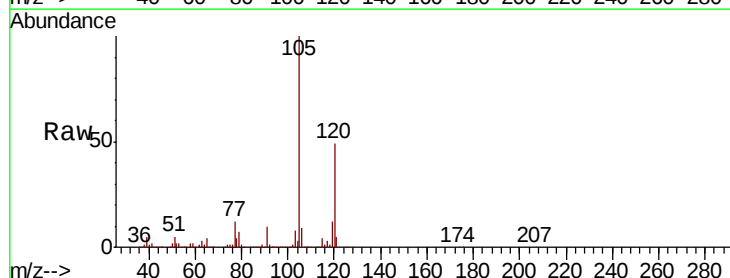
Acq: 9 Aug 2019 20:24

Tgt Ion: 105 Resp: 2014974

Ion Ratio Lower Upper

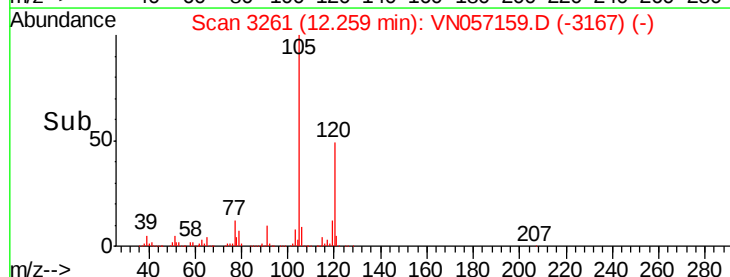
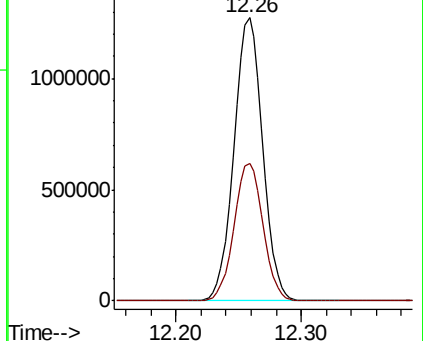
105 100

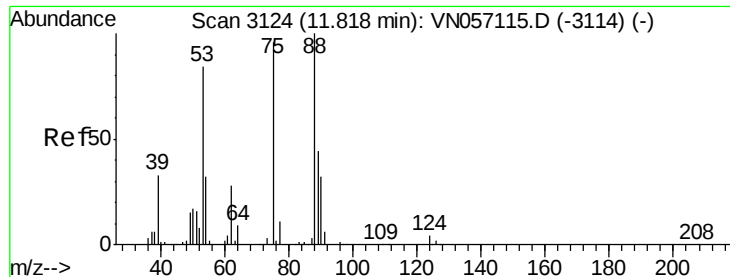
120 49.3 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.812 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

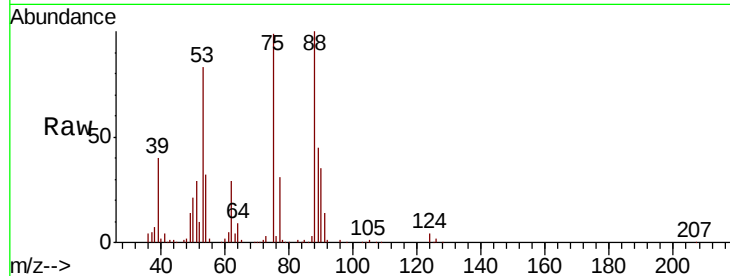
Tgt Ion: 75 Resp: 191199

Ion Ratio Lower Upper

75 100

53 84.8 70.6 106.0

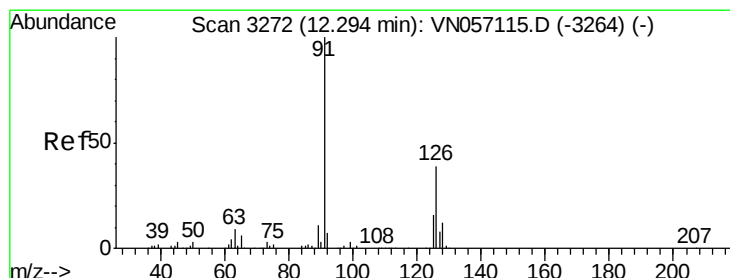
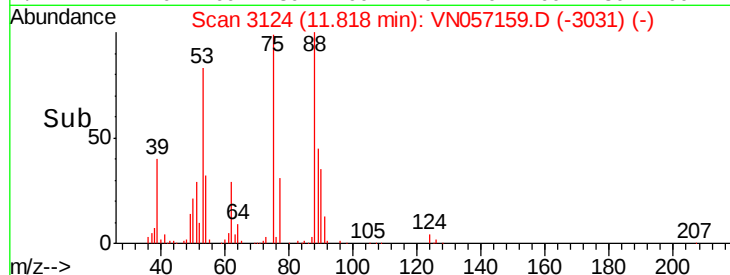
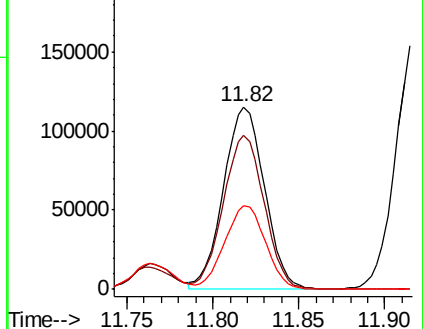
89 45.7 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.167 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057159.D

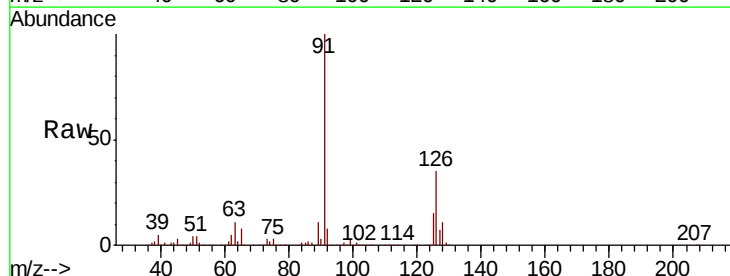
Acq: 9 Aug 2019 20:24

Tgt Ion: 91 Resp: 1478671

Ion Ratio Lower Upper

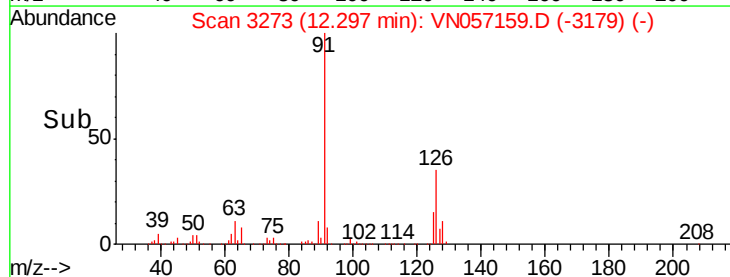
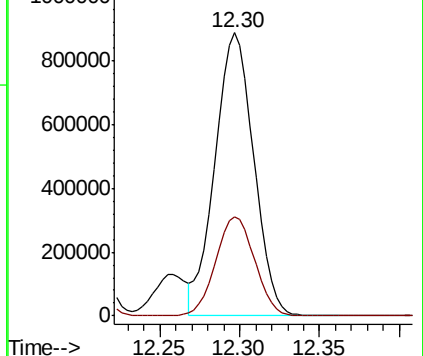
91 100

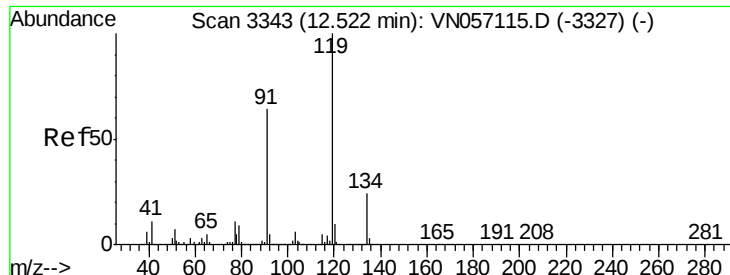
126 35.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

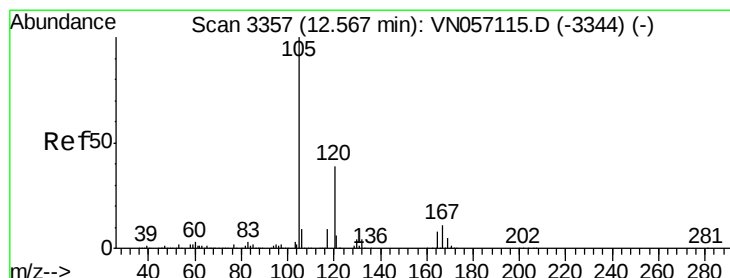
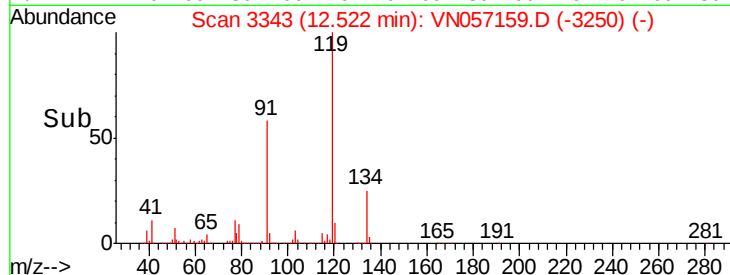
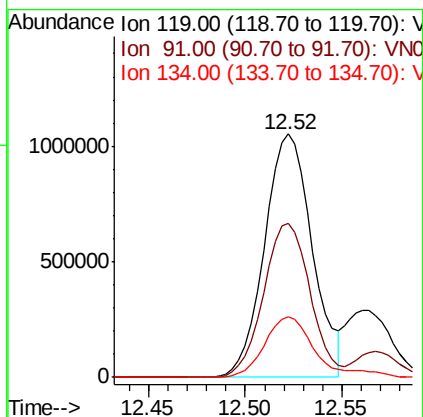
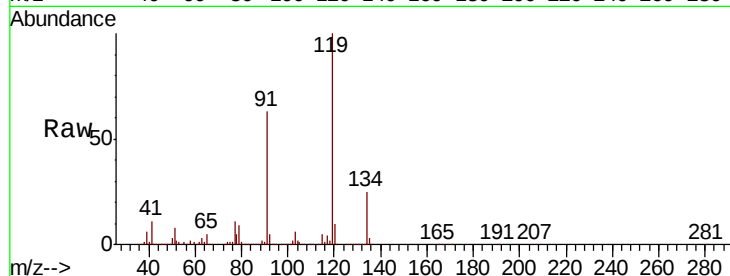




#83
tert-Butylbenzene
Concen: 52.654 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

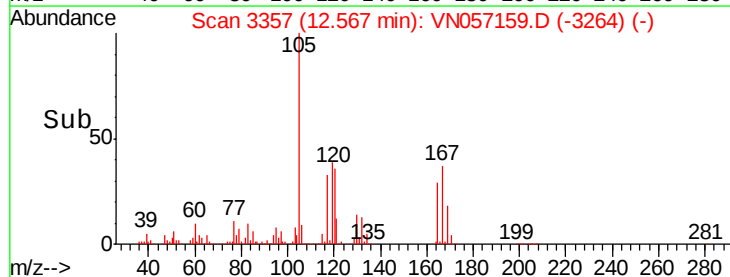
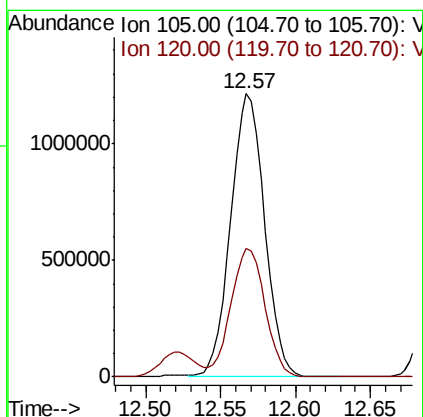
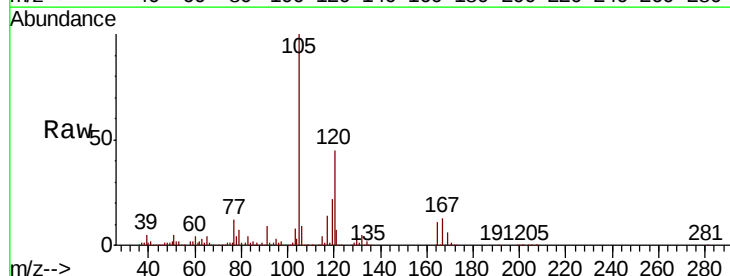
Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

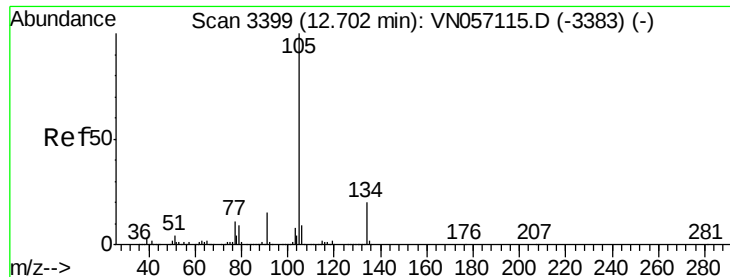
Tgt Ion:119 Resp: 1804720
Ion Ratio Lower Upper
119 100
91 61.8 31.4 94.2
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 45.487 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion:105 Resp: 1915671
Ion Ratio Lower Upper
105 100
120 45.6 23.3 69.8

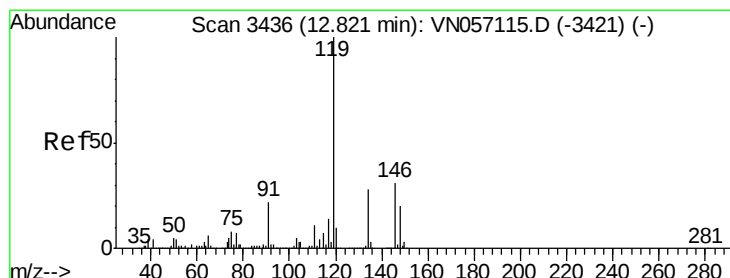
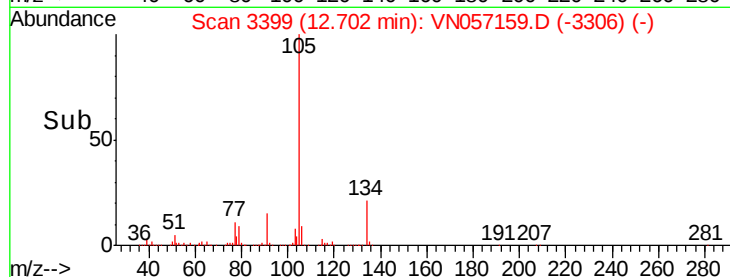
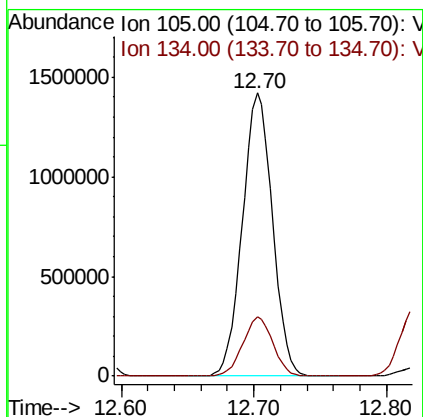
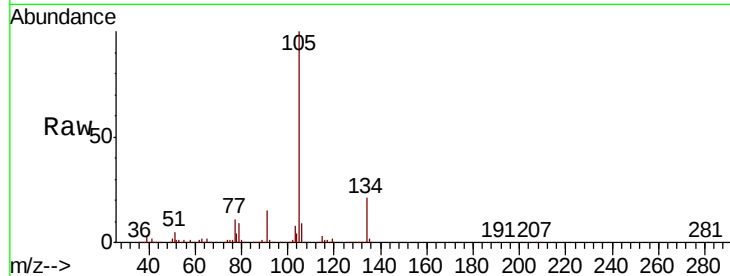




#85
 sec-Butylbenzene
 Concen: 45.328 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

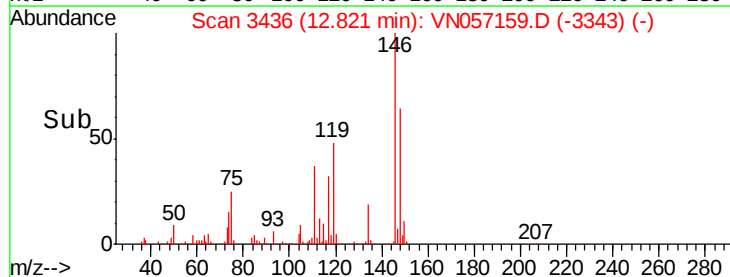
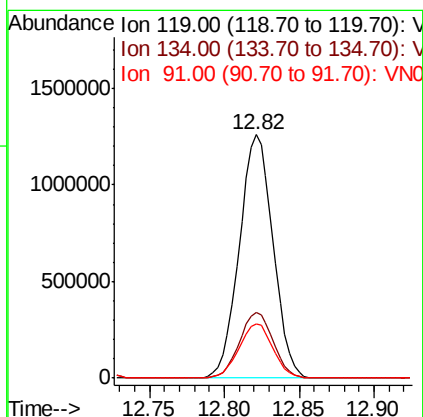
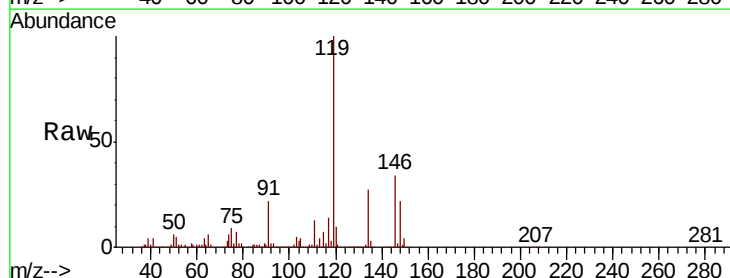
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

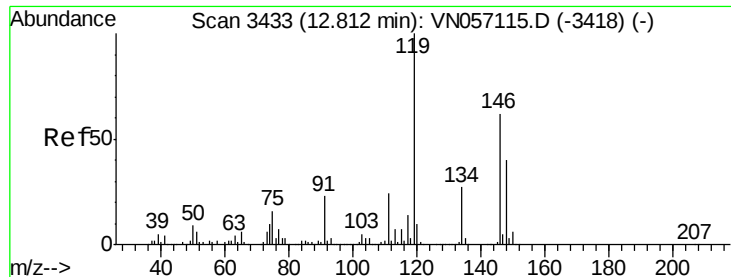
Tgt Ion:105 Resp: 2228835
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 45.681 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion:119 Resp: 1970967
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.8 41.3
 91 22.3 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 49.468 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R 080819MS

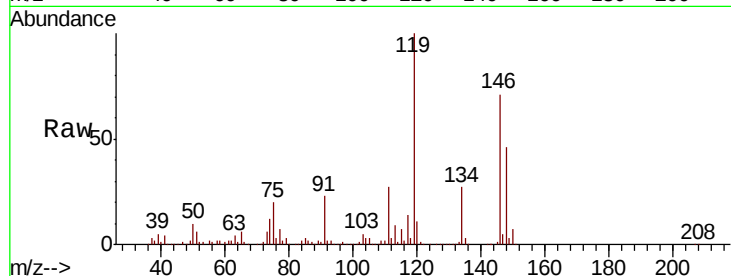
Tgt Ion:146 Resp: 955348

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

148 64.7 32.4 97.0

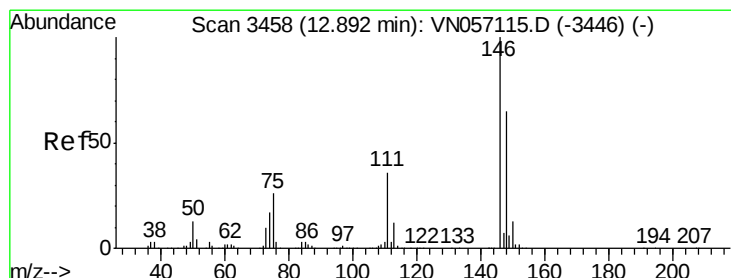
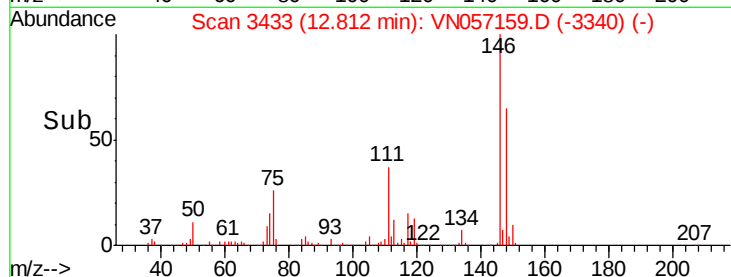
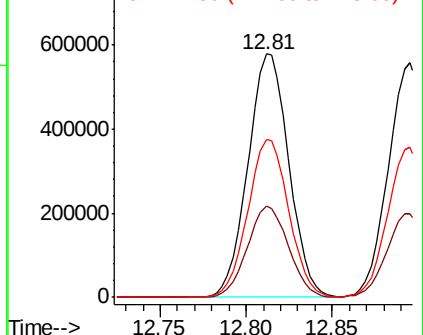


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.370 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

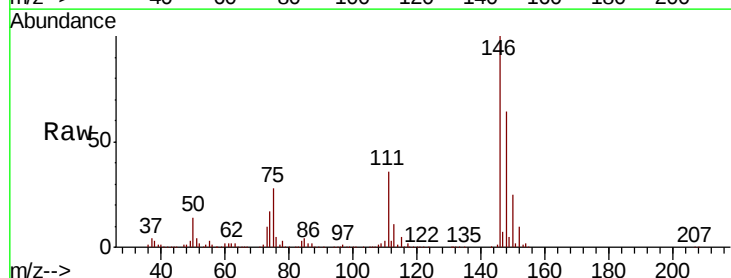
Tgt Ion:146 Resp: 903390

Ion Ratio Lower Upper

146 100

111 36.4 18.2 54.6

148 64.9 32.0 96.2

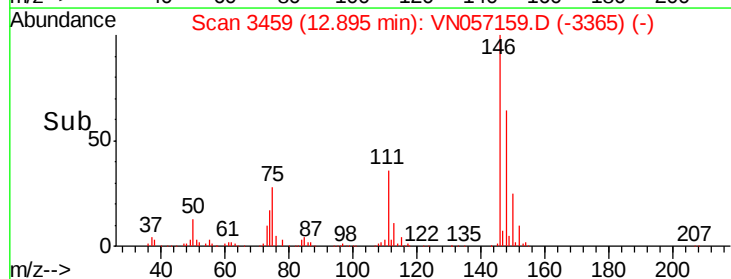
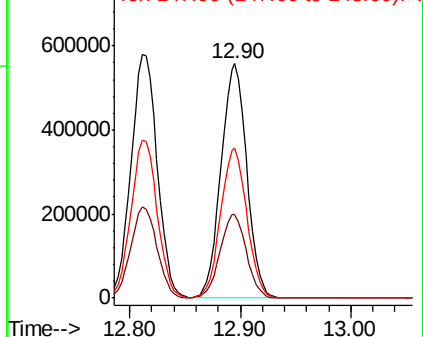


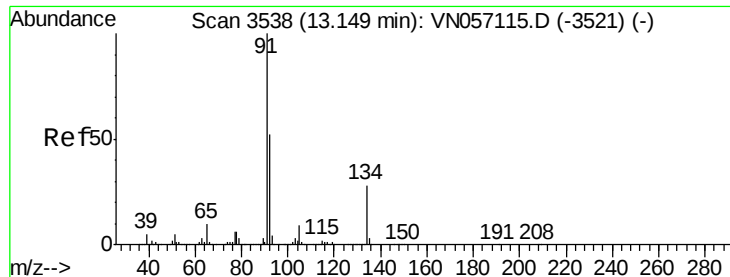
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.510 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

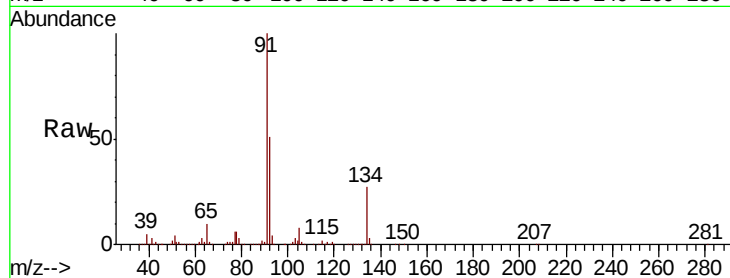
Tgt Ion: 91 Resp: 1416245

Ion Ratio Lower Upper

91 100

92 51.6 26.5 79.4

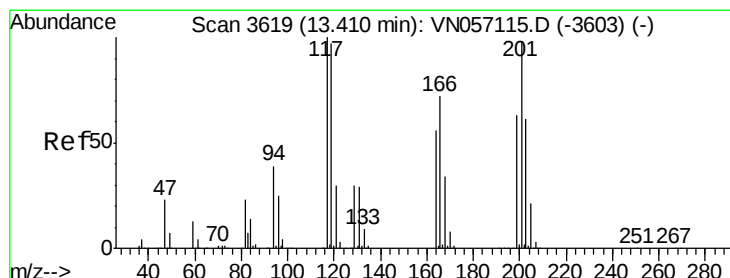
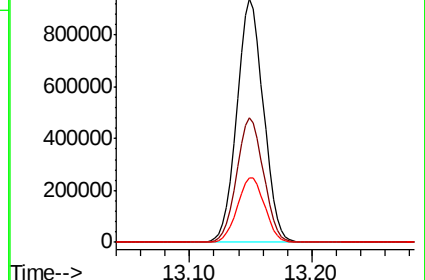
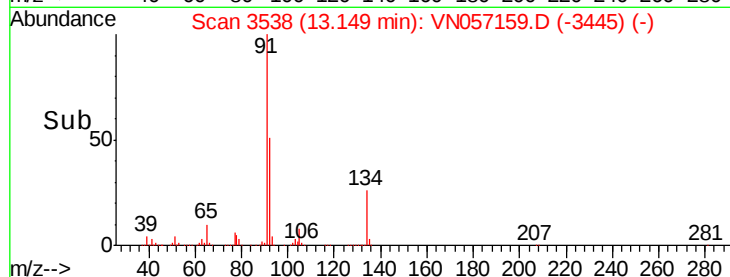
134 27.2 14.1 42.3



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

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

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



#90

Hexachloroethane

Concen: 54.211 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057159.D

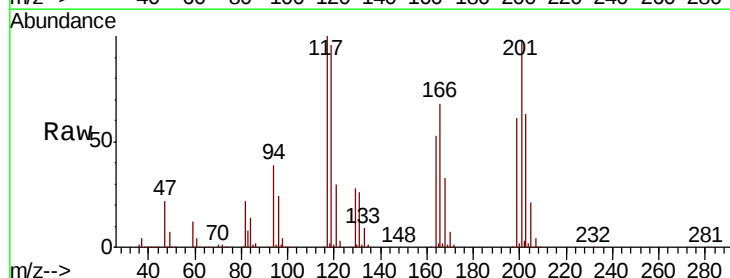
Acq: 9 Aug 2019 20:24

Tgt Ion: 117 Resp: 371256

Ion Ratio Lower Upper

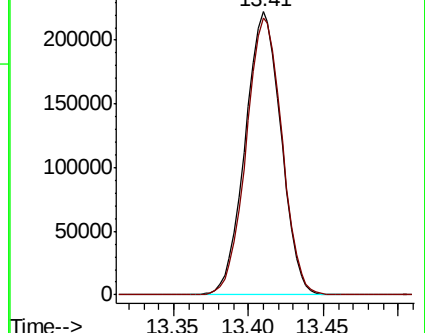
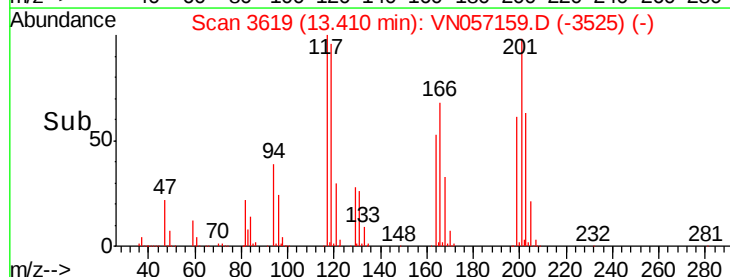
117 100

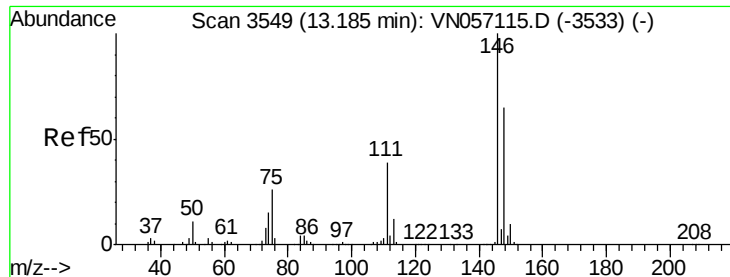
201 97.5 49.3 147.8



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

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





#91

1,2-Dichlorobenzene

Concen: 49.799 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

Instrument :

MSVOA_N

ClientSampleId :

MW-4R_080819MS

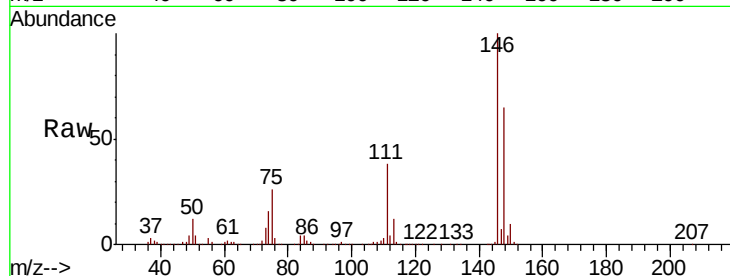
Tgt Ion:146 Resp: 960399

Ion Ratio Lower Upper

146 100

111 38.8 19.2 57.6

148 64.6 32.4 97.0

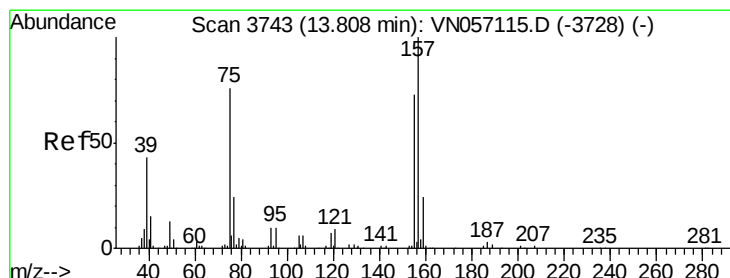
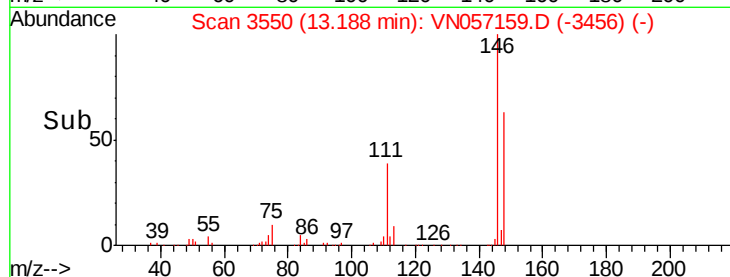
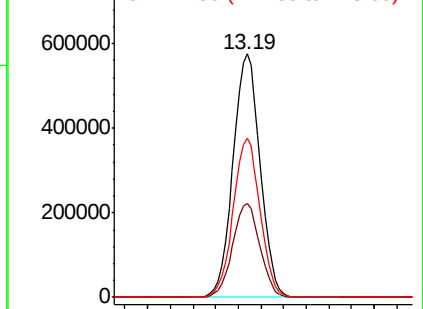


Abundance

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: 48.773 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057159.D

Acq: 9 Aug 2019 20:24

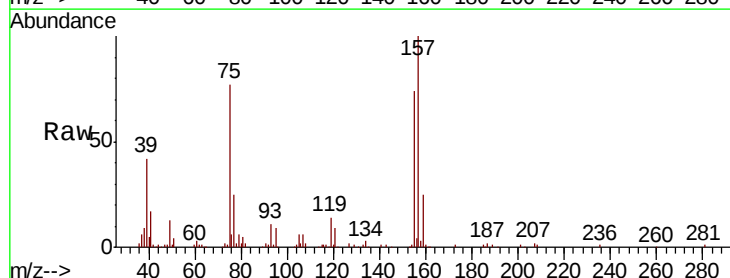
Tgt Ion: 75 Resp: 96762

Ion Ratio Lower Upper

75 100

155 97.3 49.3 147.9

157 127.6 65.3 195.8

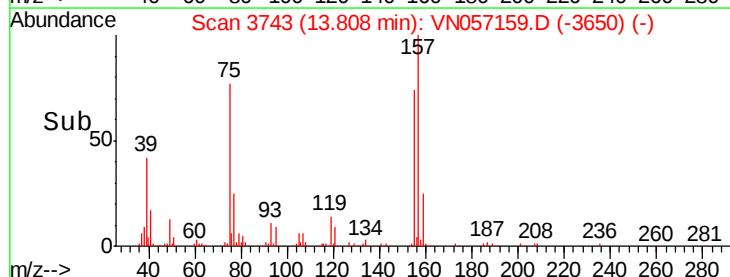
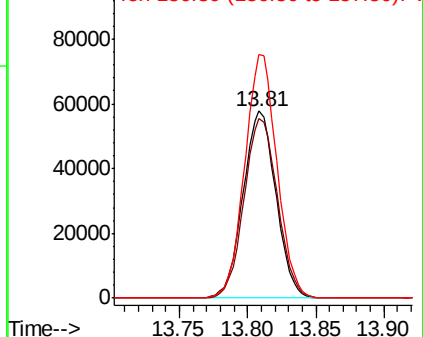


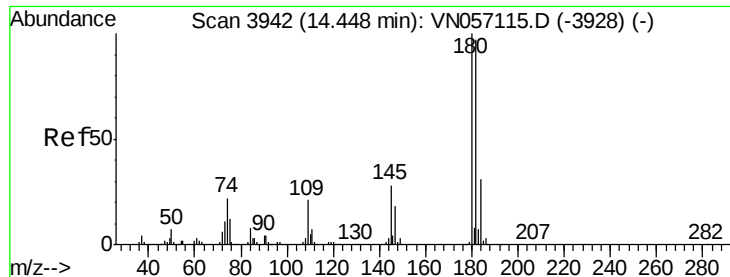
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

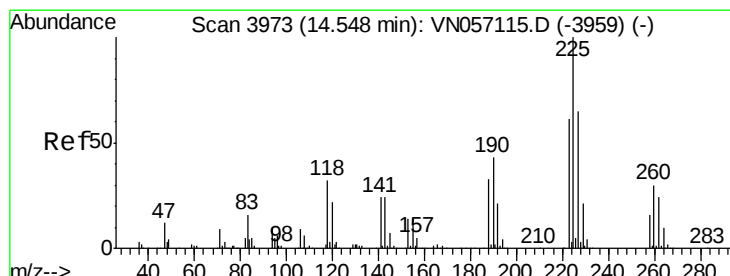
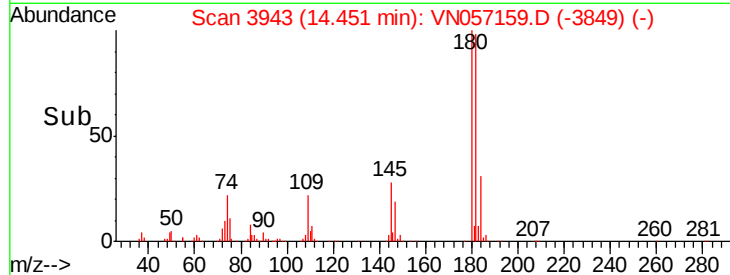
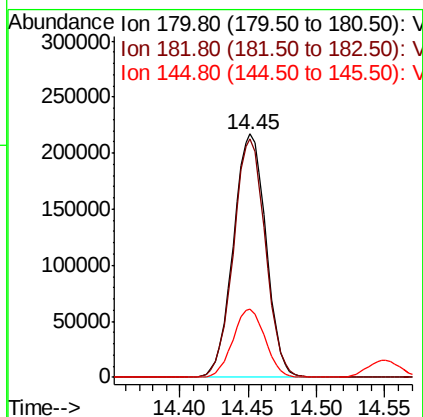
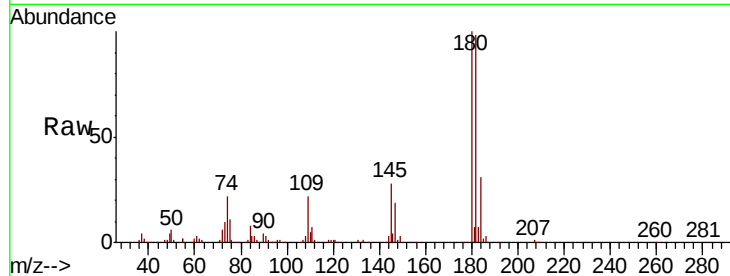




#93
 1,2,4-Trichlorobenzene
 Concen: 44.786 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

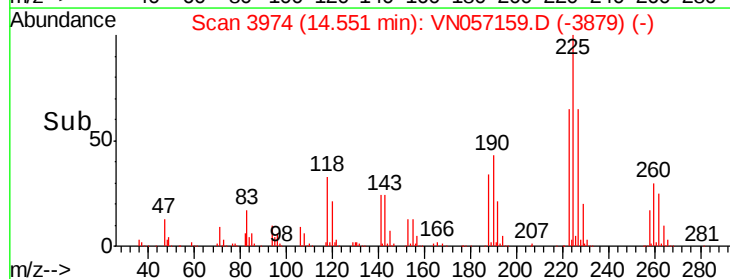
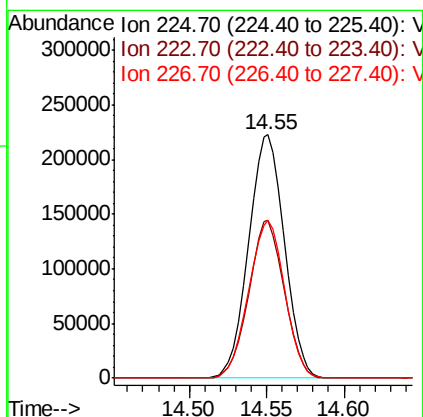
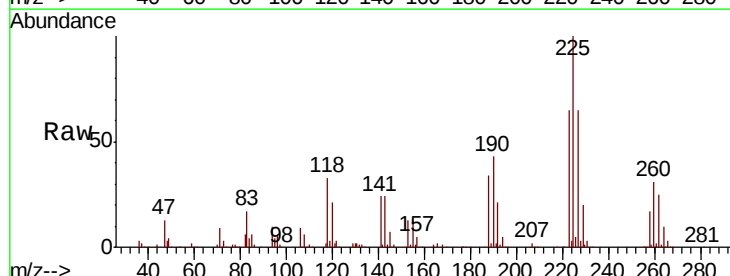
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MS

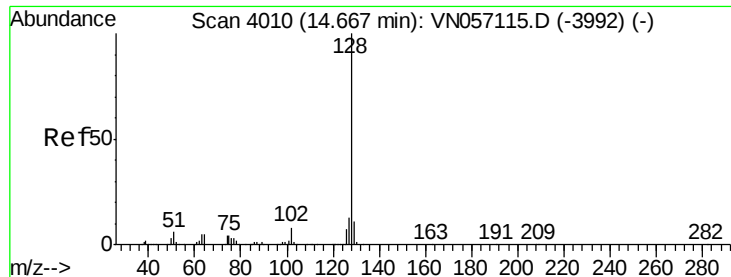
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	27.7	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 53.528 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057159.D
 Acq: 9 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.9	92.8
227	65.1	32.4	97.0

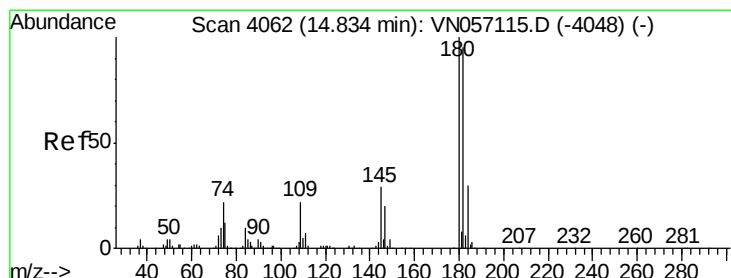
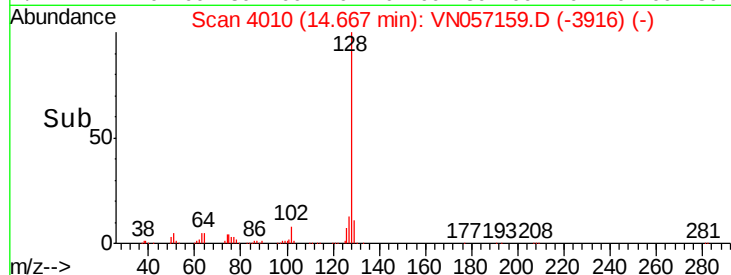
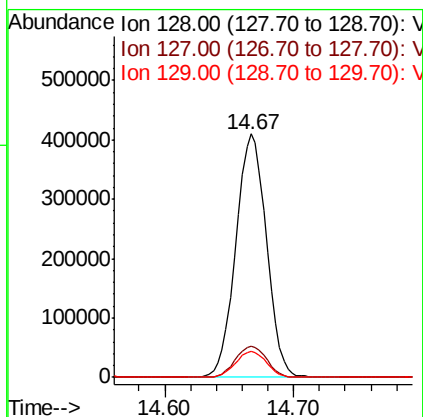
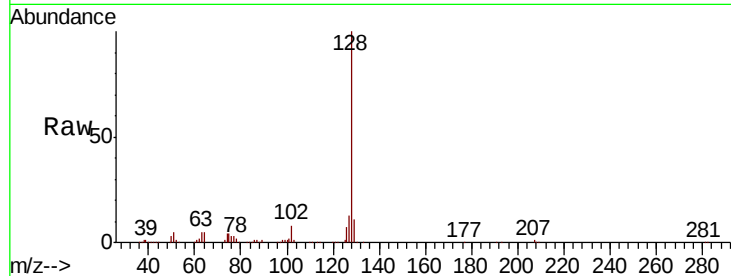




#95
Naphthalene
Concen: 42.783 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Instrument :
MSVOA_N
ClientSampleId :
MW-4R_080819MS

Tgt Ion:128 Resp: 676466
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 41.843 ug/l
RT: 14.83 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VN057159.D
Acq: 9 Aug 2019 20:24

Tgt Ion:180 Resp: 345051
Ion Ratio Lower Upper
180 100
182 95.6 48.3 144.8
145 29.4 14.9 44.5

