

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081119\
 Data File : VN057178.D
 Acq On : 11 Aug 2019 11:25
 Operator : JC/SP
 Sample : VN0811WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Quant Time: Aug 12 05:52:07 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	1235137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1785007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1567131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	573697	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	639048	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	6.99	113	584091	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	9.56	98	2210455	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.92	95	695407	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.82	85	175997	17.729	ug/l 100
3) Chloromethane	2.00	50	215775	16.359	ug/l 96
4) Vinyl Chloride	2.11	62	222609	18.157	ug/l 100
5) Bromomethane	2.43	94	160596	19.278	ug/l 99
6) Chloroethane	2.55	64	148893	18.934	ug/l 98
7) Trichlorofluoromethane	2.83	101	334914	19.004	ug/l 99
8) Diethyl Ether	3.14	74	129362	18.999	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.44	101	205719	19.256	ug/l 100
10) Methyl Iodide	3.63	142	307612	19.054	ug/l 100
11) Tert butyl alcohol	4.24	59	171794	95.039	ug/l # 88
12) 1,1-Dichloroethene	3.43	96	200667	19.093	ug/l 97
13) Acrolein	3.31	56	72086	63.038	ug/l 99
14) Allyl chloride	3.91	41	288029	18.858	ug/l 98
15) Acrylonitrile	4.45	53	484146	98.963	ug/l 99
16) Acetone	3.48	43	442209	115.274	ug/l 100
17) Carbon Disulfide	3.72	76	508606	18.191	ug/l 98
18) Methyl Acetate	3.89	43	229869	19.714	ug/l 98
19) Methyl tert-butyl Ether	4.49	73	626298	19.739	ug/l 97
20) Methylene Chloride	4.10	84	239117	18.887	ug/l 97
21) trans-1,2-Dichloroethene	4.51	96	217266	18.977	ug/l 98
22) Diisopropyl ether	5.32	45	647884	19.447	ug/l 99
23) Vinyl Acetate	5.26	43	2519987	98.779	ug/l 100
24) 1,1-Dichloroethane	5.25	63	390551	19.070	ug/l 98
25) 2-Butanone	6.20	43	615802	105.067	ug/l 98
26) 2,2-Dichloropropane	6.21	77	320355	21.501	ug/l 99
27) cis-1,2-Dichloroethene	6.21	96	256575	19.562	ug/l 99
28) Bromochloromethane	6.59	49	192365	20.421	ug/l 97
29) Tetrahydrofuran	6.60	42	391599	99.183	ug/l 100
30) Chloroform	6.76	83	406956	19.199	ug/l 95
31) Cyclohexane	7.07	56	340813	18.497	ug/l 95
32) 1,1,1-Trichloroethane	6.98	97	347076	19.519	ug/l 98
36) 1,1-Dichloropropene	7.20	75	301529	20.516	ug/l 99
37) Ethyl Acetate	6.28	43	243619	20.101	ug/l # 99
38) Carbon Tetrachloride	7.19	117	300590	19.625	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	348671	19.509	ug/l	96
40) Benzene	7.46	78	907146	19.497	ug/l	98
41) Methacrylonitrile	6.55	41	129846	21.099	ug/l	98
42) 1,2-Dichloroethane	7.54	62	285592	19.247	ug/l	97
43) Isopropyl Acetate	7.56	43	409185	19.791	ug/l	100
44) Trichloroethene	8.27	130	256694	19.693	ug/l	98
45) 1,2-Dichloropropane	8.56	63	240752	19.985	ug/l	99
46) Dibromomethane	8.65	93	155359	20.113	ug/l	98
47) Bromodichloromethane	8.85	83	305976	20.472	ug/l	99
48) Methyl methacrylate	8.63	41	186739	19.154	ug/l	97
49) 1,4-Dioxane	8.64	88	81494	410.427	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	1215352	101.004	ug/l	99
52) Toluene	9.63	92	572659	19.829	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	323229	20.701	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	365818	20.418	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	225810	19.883	ug/l	99
56) Ethyl methacrylate	9.90	69	319178	20.073	ug/l	99
57) 1,3-Dichloropropane	10.19	76	374998	20.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	371919	68.696	ug/l	98
59) 2-Hexanone	10.24	43	844180	103.661	ug/l	100
60) Dibromochloromethane	10.39	129	250409	20.995	ug/l	99
61) 1,2-Dibromoethane	10.50	107	237170	20.238	ug/l	100
64) Tetrachloroethene	10.11	164	267114	20.495	ug/l	98
65) Chlorobenzene	10.93	112	622231	19.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	243708	20.673	ug/l	99
67) Ethyl Benzene	11.01	91	1070922	19.733	ug/l	99
68) m/p-Xylenes	11.12	106	801454	40.086	ug/l	100
69) o-Xylene	11.46	106	396450	19.924	ug/l	99
70) Styrene	11.47	104	625257	20.118	ug/l	100
71) Bromoform	11.64	173	180668	20.922	ug/l #	99
73) Isopropylbenzene	11.77	105	1054372	21.036	ug/l	100
74) N-amyl acetate	11.58	43	284385	19.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	302359	21.788	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	356612	30.704	ug/l #	100
77) Bromobenzene	12.04	156	272168	19.737	ug/l	98
78) n-propylbenzene	12.11	91	1074933	19.531	ug/l	99
79) 2-Chlorotoluene	12.19	91	676787	20.940	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	886190	20.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	84303	21.606	ug/l	99
82) 4-Chlorotoluene	12.30	91	627512	19.691	ug/l	98
83) tert-Butylbenzene	12.52	119	791596	21.481	ug/l	97
84) 1,2,4-Trimethylbenzene	12.57	105	826177	19.298	ug/l	100
85) sec-Butylbenzene	12.70	105	953401	19.074	ug/l	98
86) p-Isopropyltoluene	12.82	119	837167	19.088	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	391852	19.960	ug/l	98
88) 1,4-Dichlorobenzene	12.89	146	356929	19.189	ug/l	97
89) n-Butylbenzene	13.15	91	599287	19.777	ug/l	99
90) Hexachloroethane	13.41	117	153806	21.513	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	385913	19.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	36433	18.066	ug/l	97

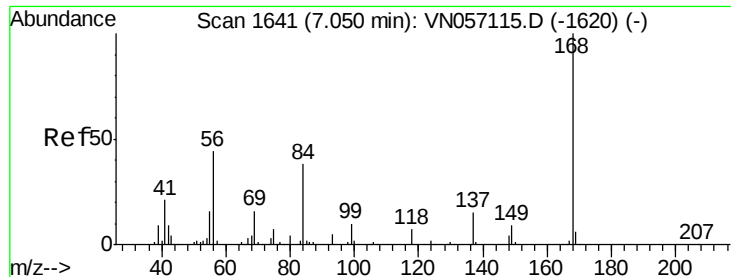
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	105794	17.145	ug/l	99
94) Hexachlorobutadiene	14.55	225	166420	22.232	ug/l	99
95) Naphthalene	14.67	128	194299	15.330	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	105492	16.585	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

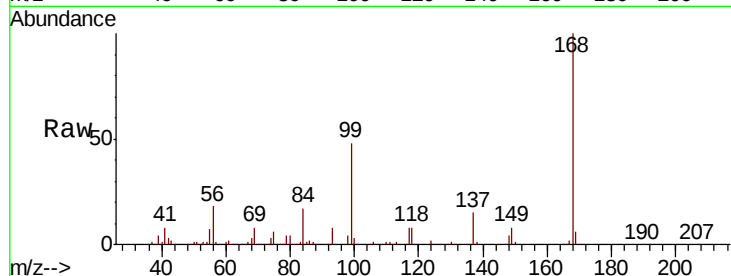
VN0811WBS01

Tgt Ion:168 Resp: 1235137

Ion Ratio Lower Upper

168 100

99 47.6 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.05

500000

400000

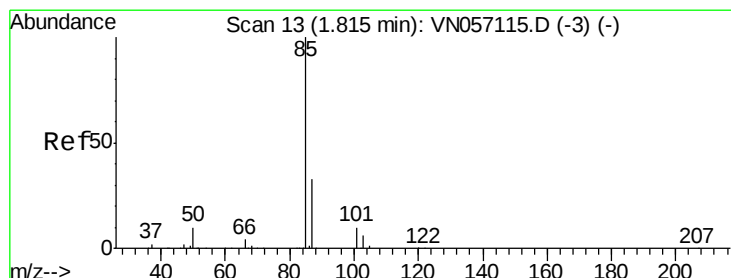
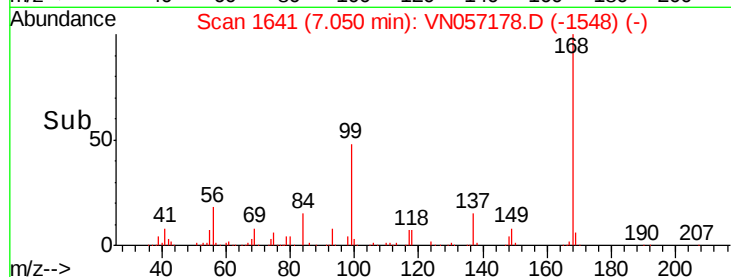
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 17.729 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057178.D

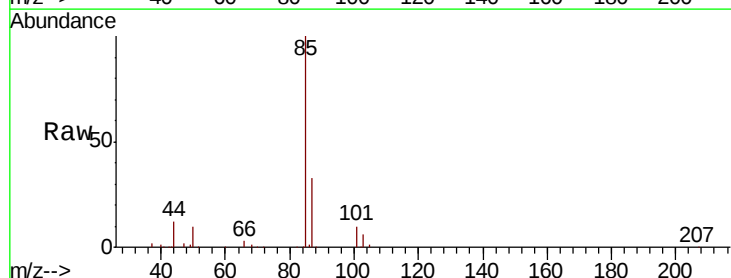
Acq: 11 Aug 2019 11:25

Tgt Ion: 85 Resp: 175997

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

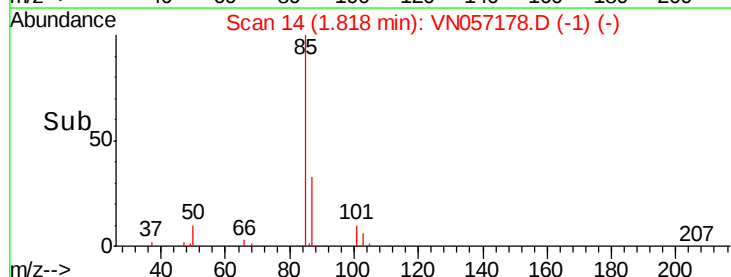
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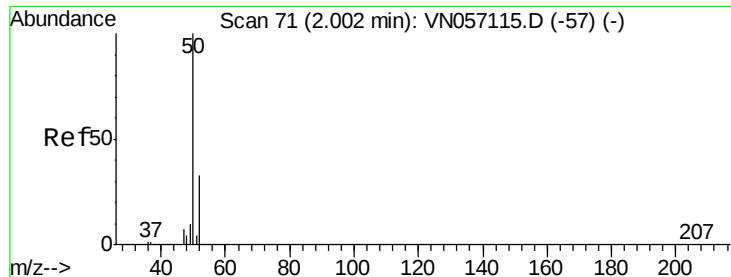
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.359 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

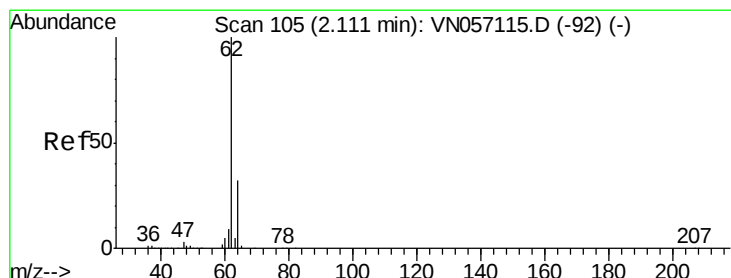
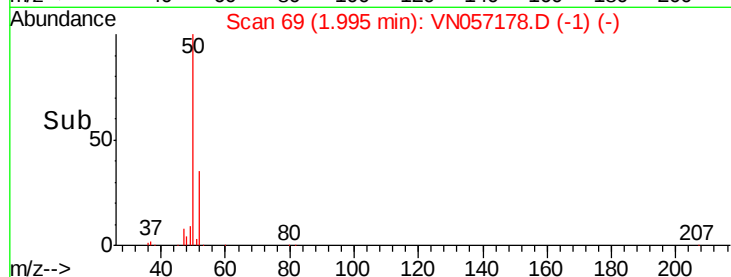
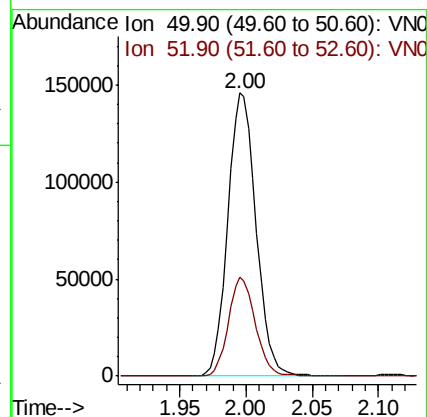
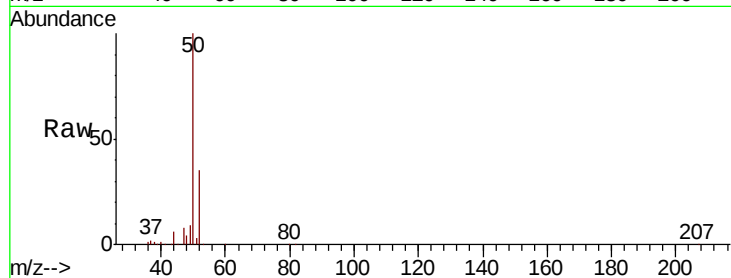
VN0811WBS01

Tgt Ion: 50 Resp: 215775

Ion Ratio Lower Upper

50 100

52 34.8 26.1 39.1



#4

Vinyl Chloride

Concen: 18.157 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057178.D

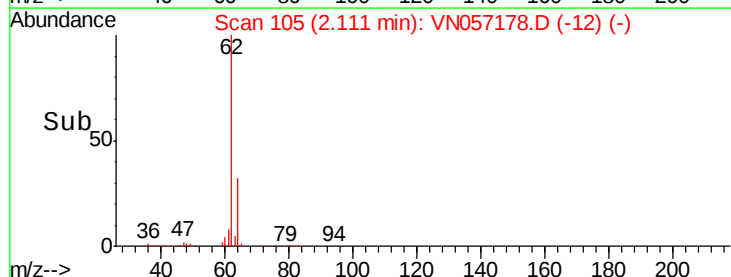
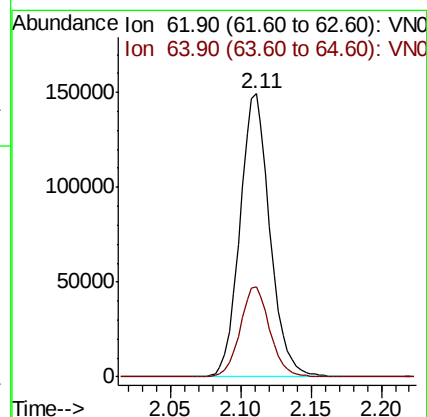
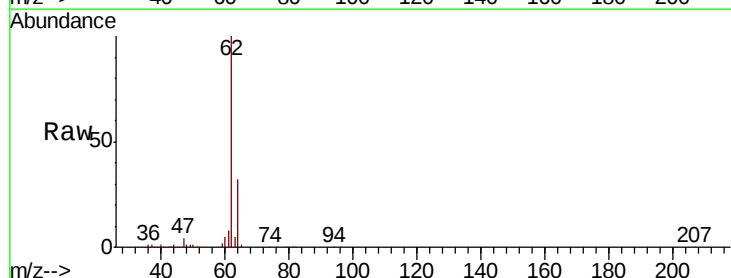
Acq: 11 Aug 2019 11:25

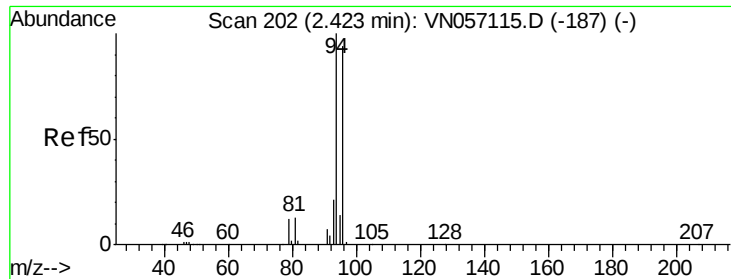
Tgt Ion: 62 Resp: 222609

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 19.278 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

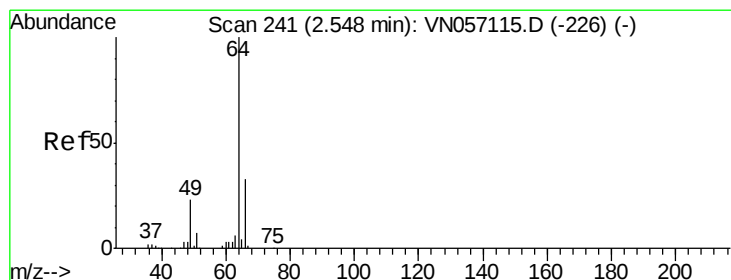
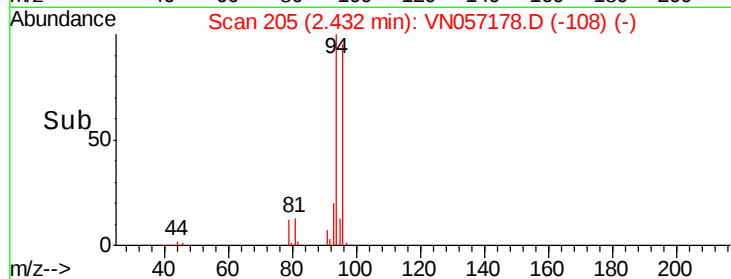
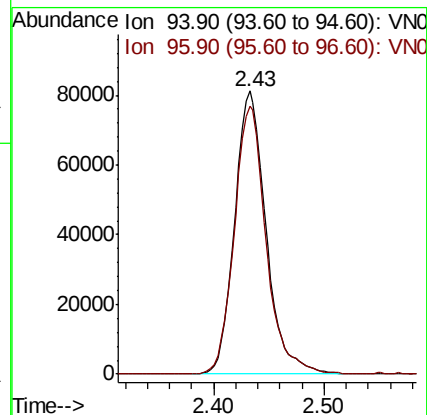
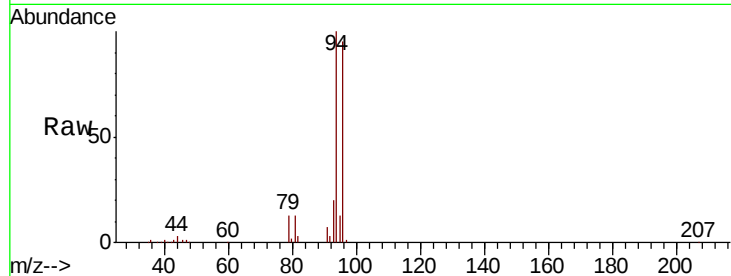
VN0811WBS01

Tgt Ion: 94 Resp: 160596

Ion Ratio Lower Upper

94 100

96 94.6 75.0 112.4



#6

Chloroethane

Concen: 18.934 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057178.D

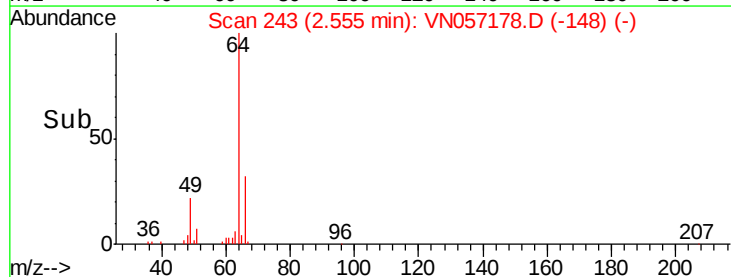
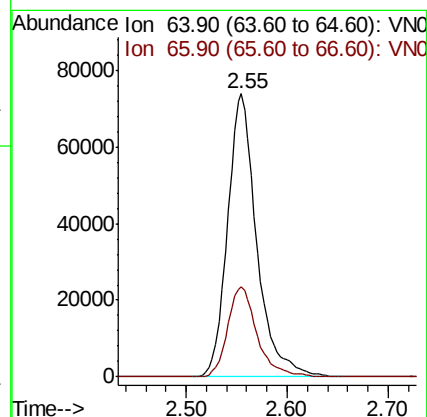
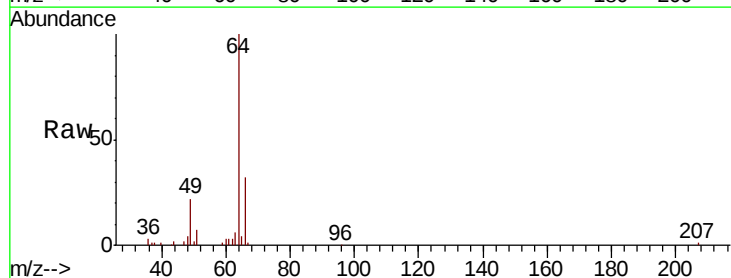
Acq: 11 Aug 2019 11:25

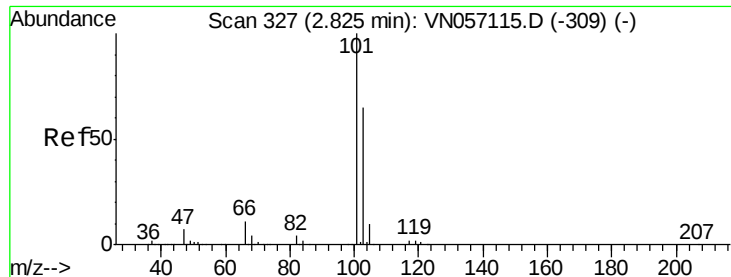
Tgt Ion: 64 Resp: 148893

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.4



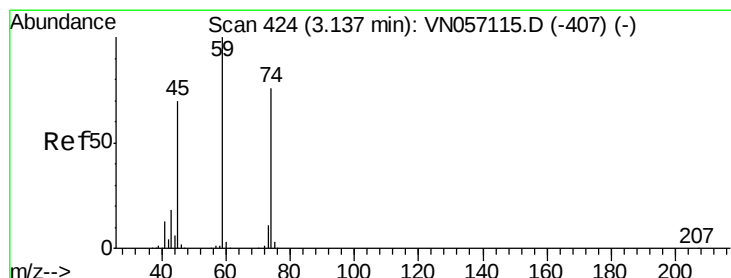
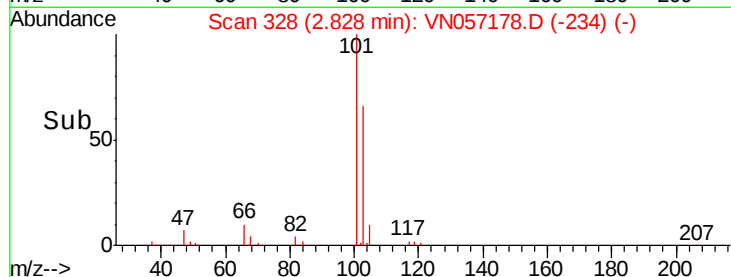
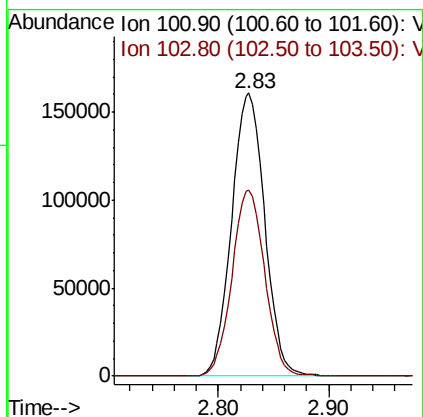
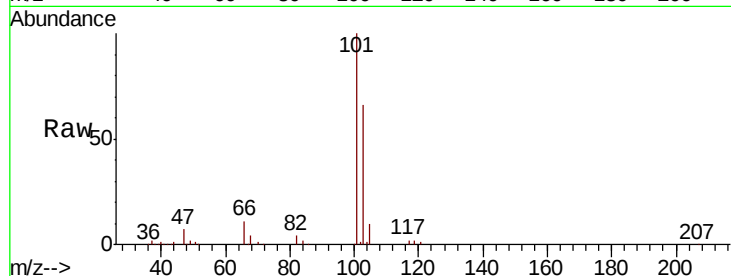


#7

Trichlorofluoromethane
 Concen: 19.004 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

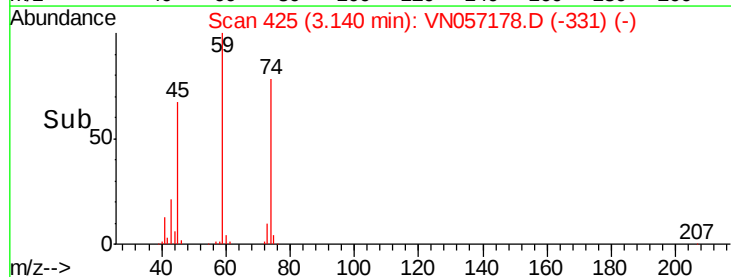
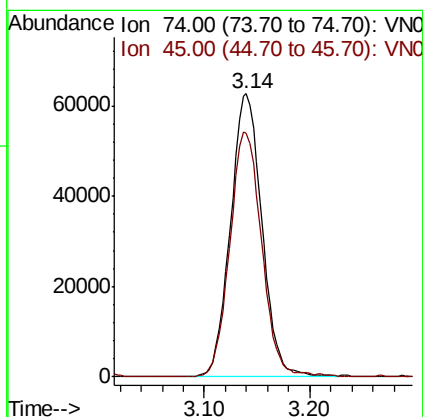
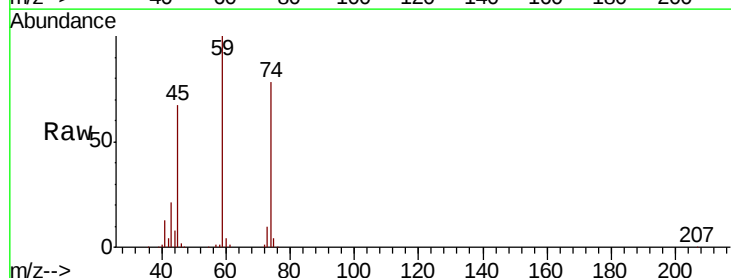
Tgt Ion:101 Resp: 334914
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.2 78.4

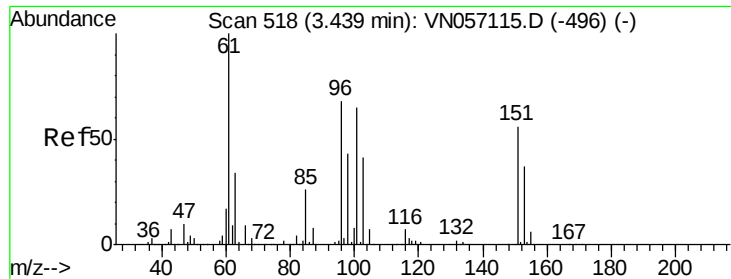


#8

Diethyl Ether
 Concen: 18.999 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 74 Resp: 129362
 Ion Ratio Lower Upper
 74 100
 45 88.1 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.256 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0811WBS01

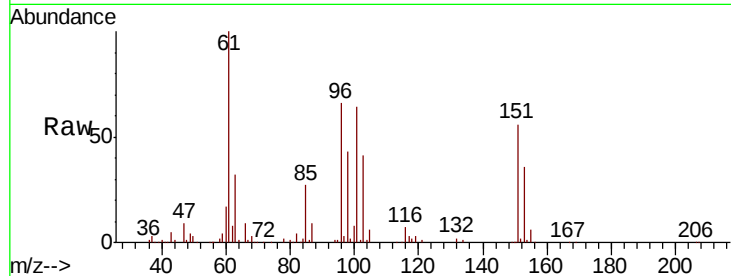
Tgt Ion:101 Resp: 205719

Ion Ratio Lower Upper

101 100

85 40.9 32.3 48.5

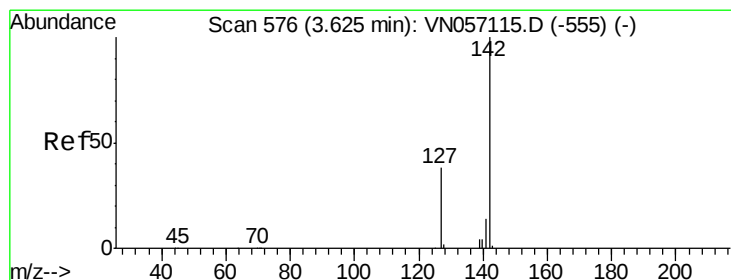
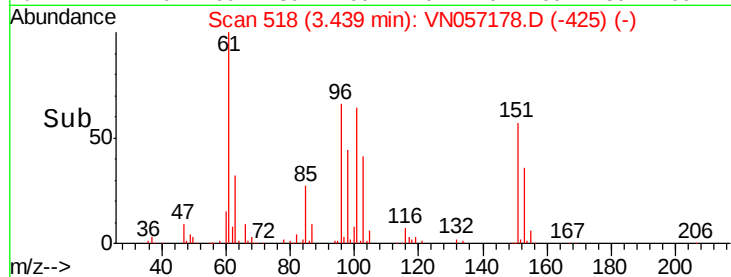
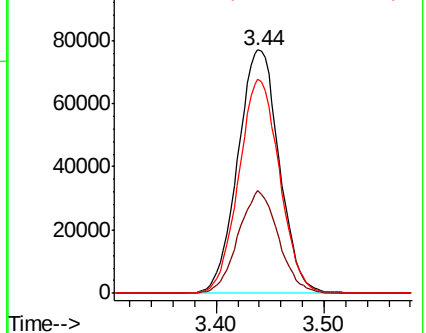
151 86.6 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.054 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

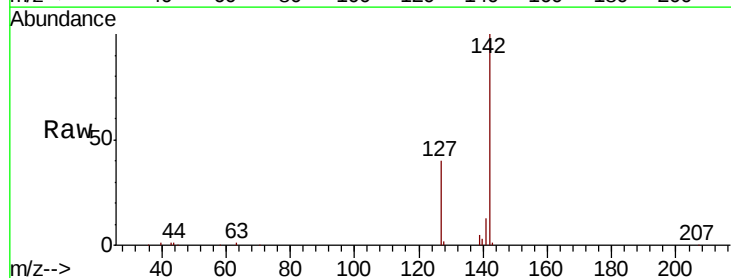
Tgt Ion:142 Resp: 307612

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.6

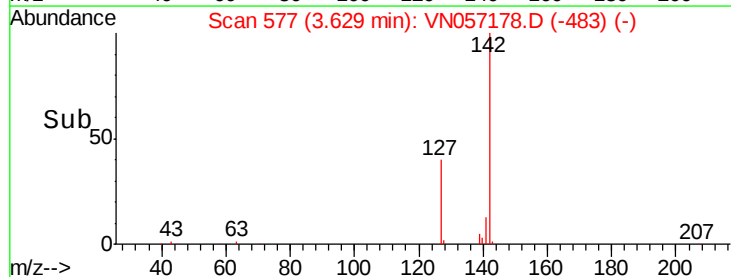
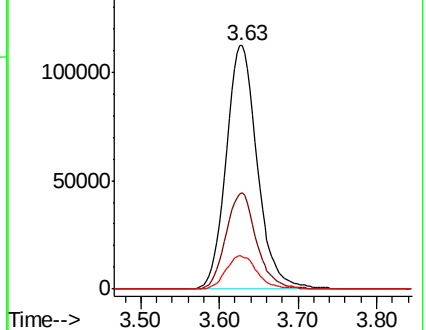
141 13.7 11.2 16.8

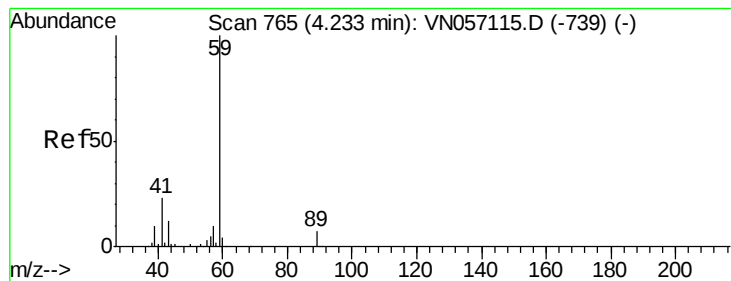


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.039 ug/l

RT: 4.24 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

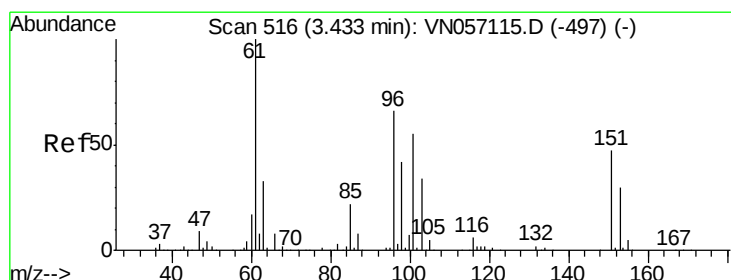
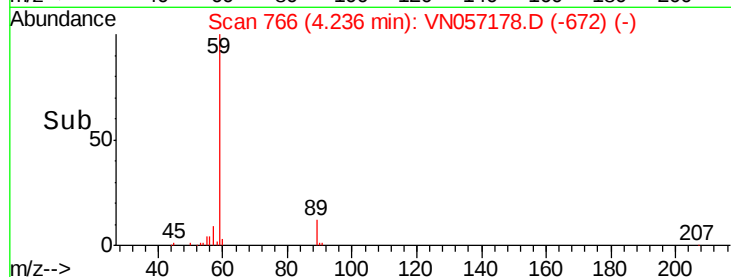
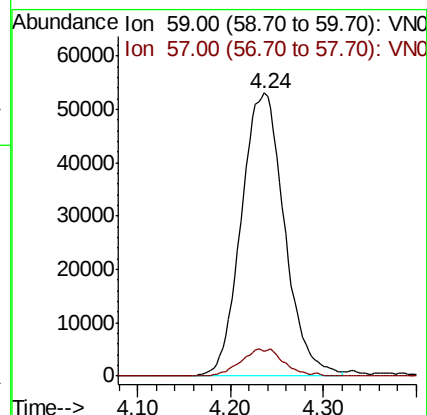
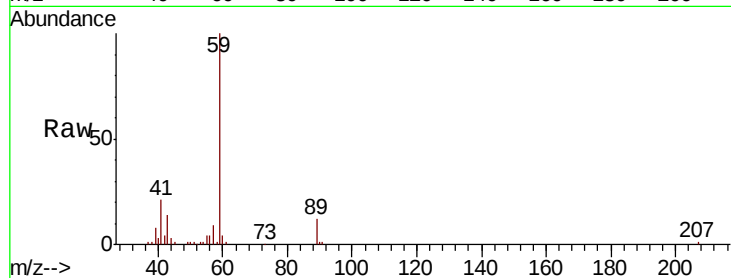
VN0811WBS01

Tgt Ion: 59 Resp: 171794

Ion Ratio Lower Upper

59 100

57 5.3 7.9 11.9#



#12

1,1-Dichloroethene

Concen: 19.093 ug/l

RT: 3.43 min Scan# 516

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

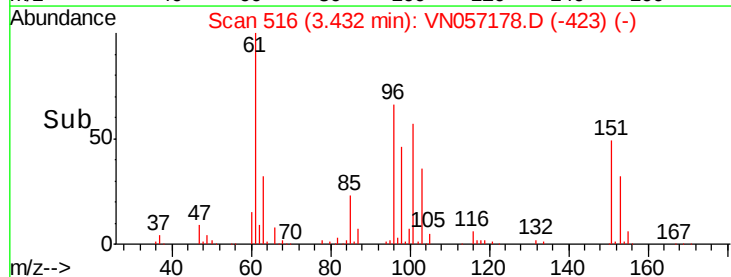
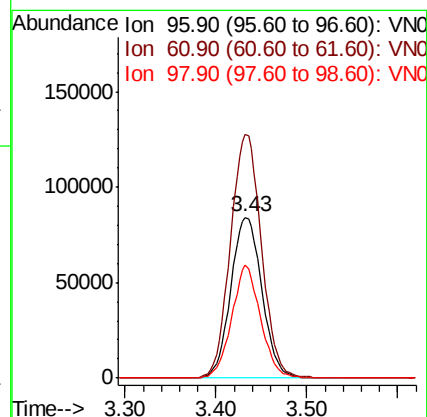
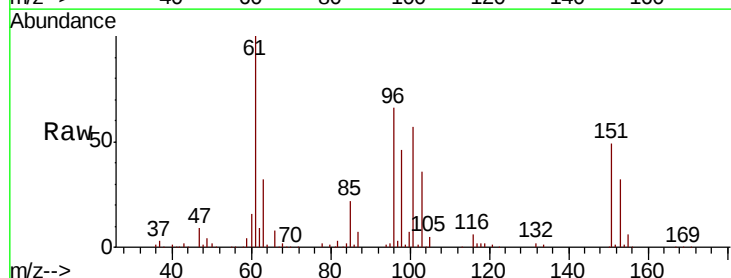
Tgt Ion: 96 Resp: 200667

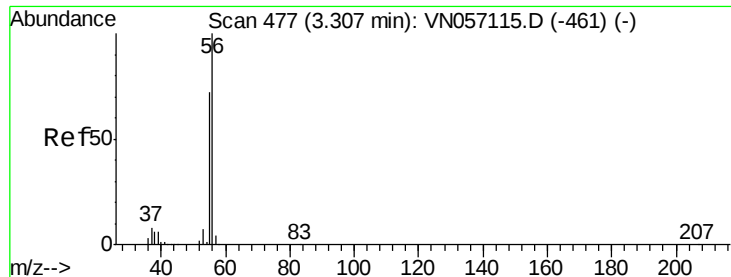
Ion Ratio Lower Upper

96 100

61 151.5 121.0 181.6

98 70.3 50.8 76.2





#13

Acrolein

Concen: 63.038 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

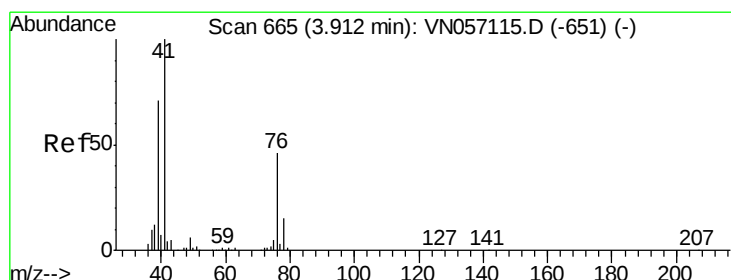
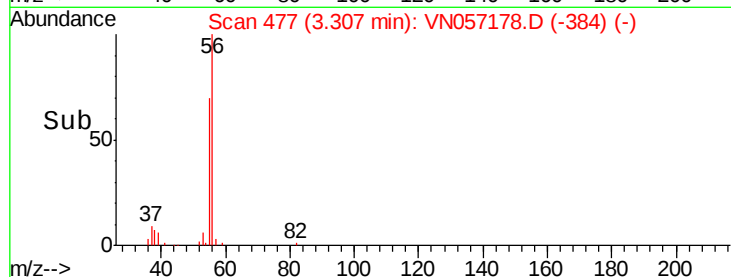
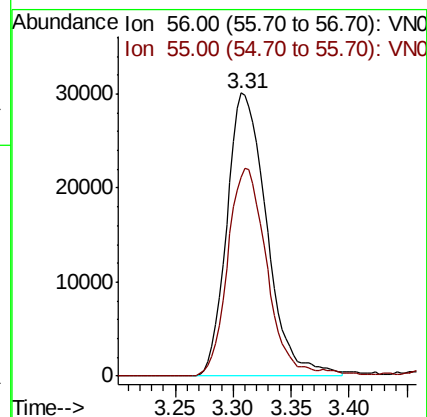
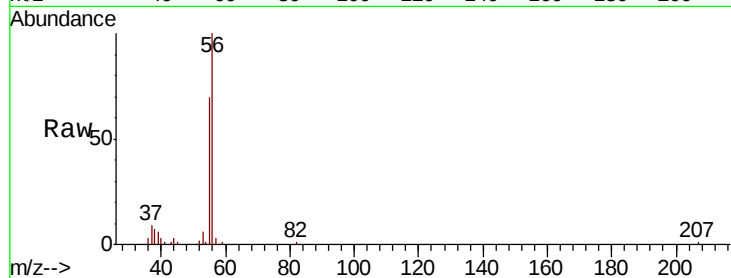
VN0811WBS01

Tgt Ion: 56 Resp: 72086

Ion Ratio Lower Upper

56 100

55 71.1 57.7 86.5



#14

Allyl chloride

Concen: 18.858 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

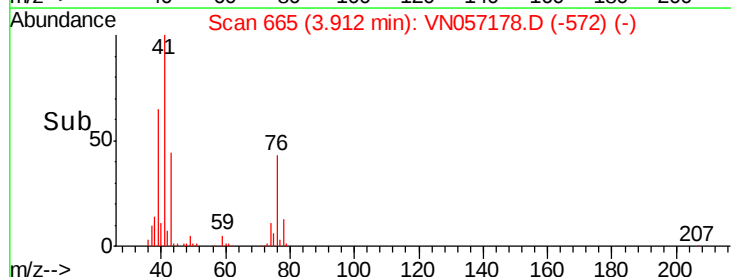
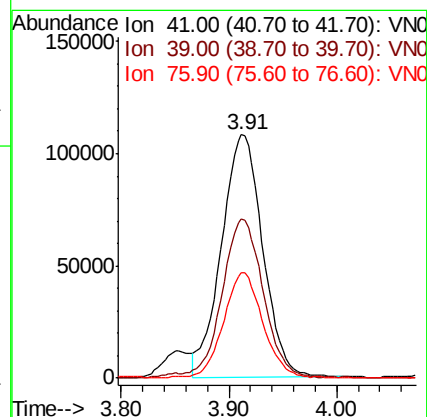
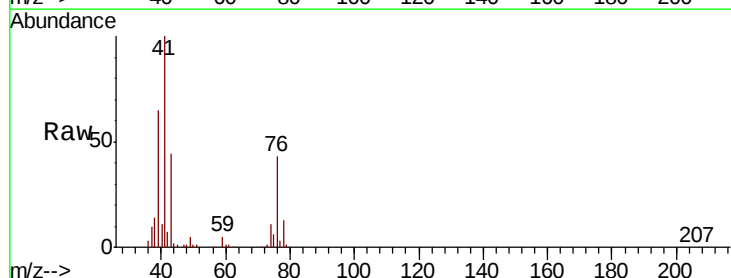
Tgt Ion: 41 Resp: 288029

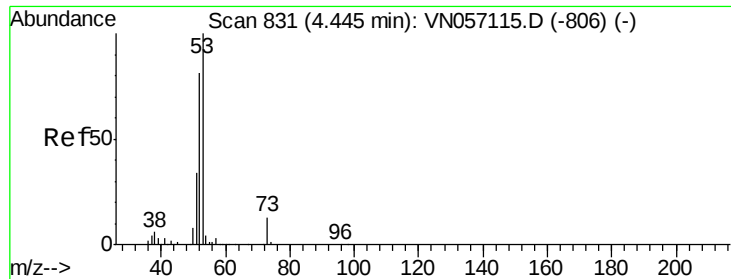
Ion Ratio Lower Upper

41 100

39 66.1 51.1 76.7

76 40.2 32.8 49.2





#15

Acrylonitrile

Concen: 98.963 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

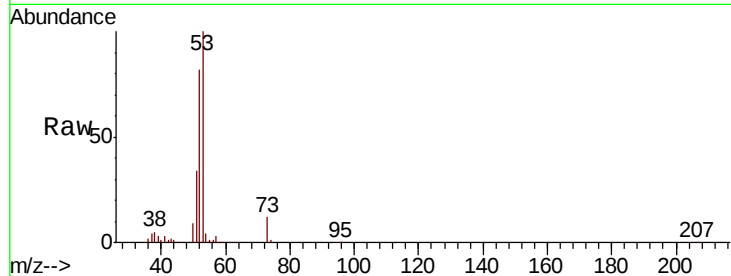
Tgt Ion: 53 Resp: 484146

Ion Ratio Lower Upper

53 100

52 82.1 64.9 97.3

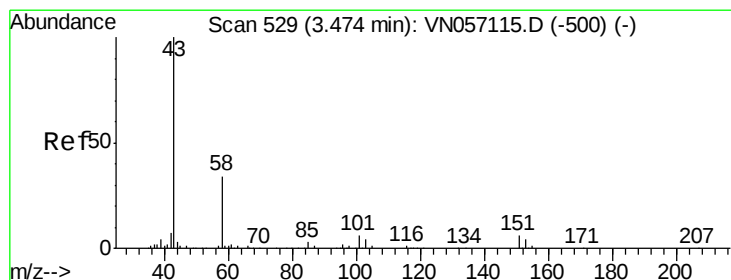
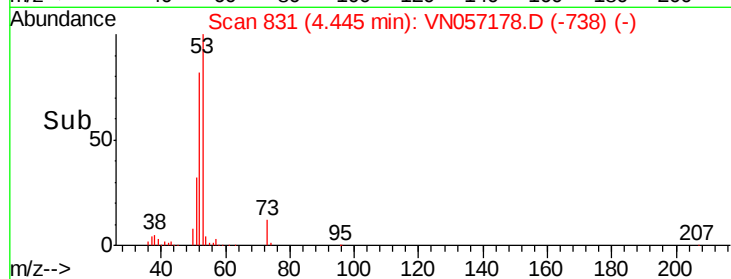
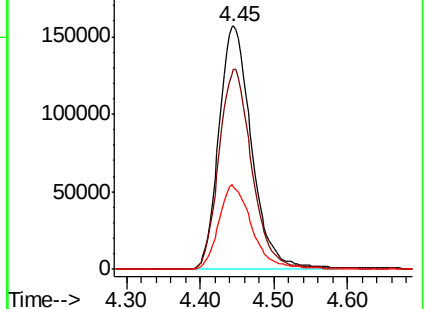
51 35.0 27.8 41.6



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: 115.274 ug/l

RT: 3.48 min Scan# 530

Delta R.T. 0.00 min

Lab File: VN057178.D

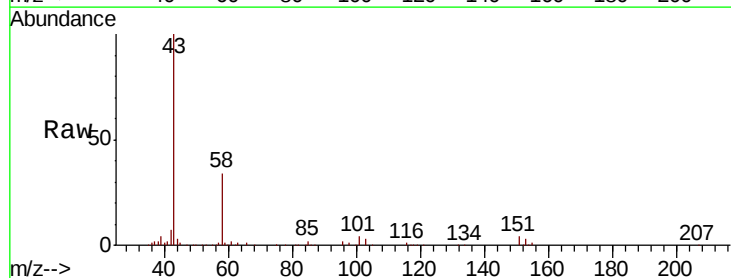
Acq: 11 Aug 2019 11:25

Tgt Ion: 43 Resp: 442209

Ion Ratio Lower Upper

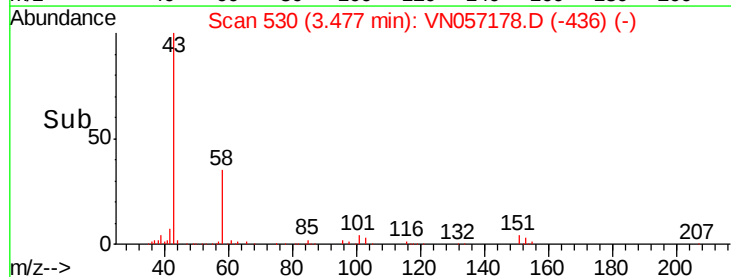
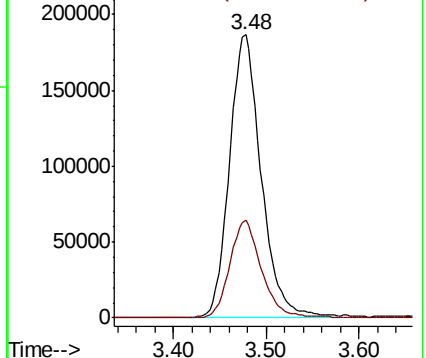
43 100

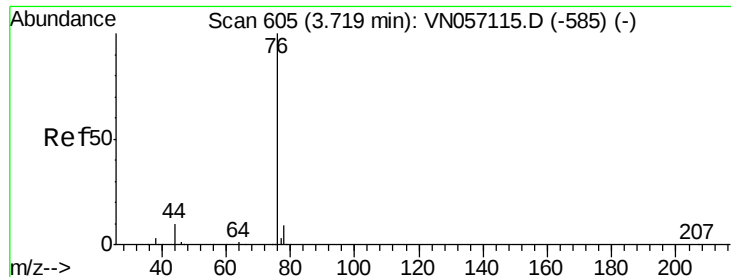
58 34.4 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

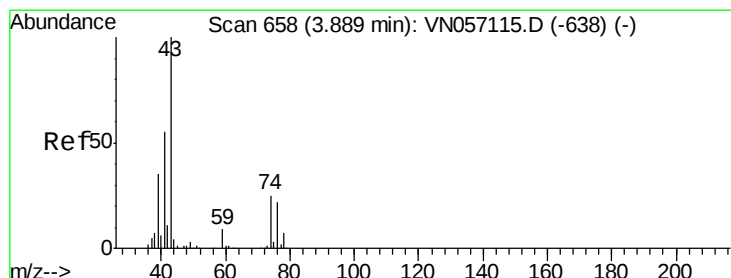
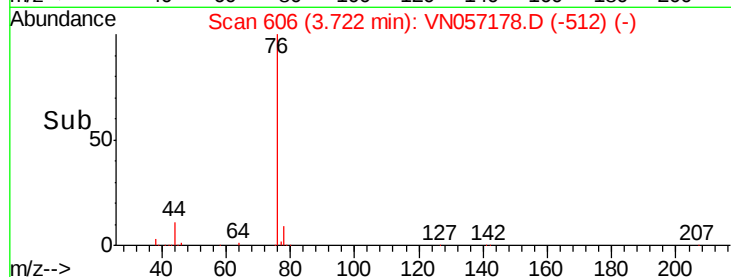
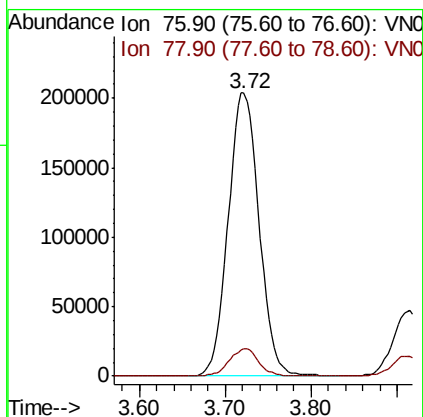
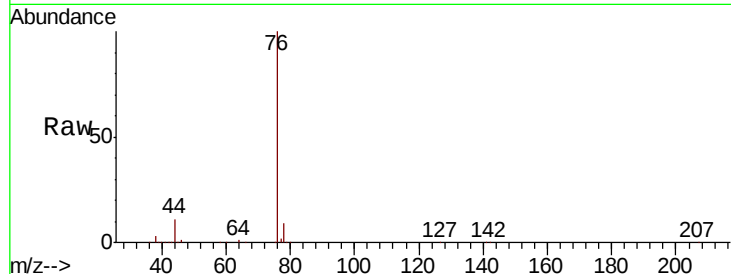




#17
Carbon Disulfide
Concen: 18.191 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

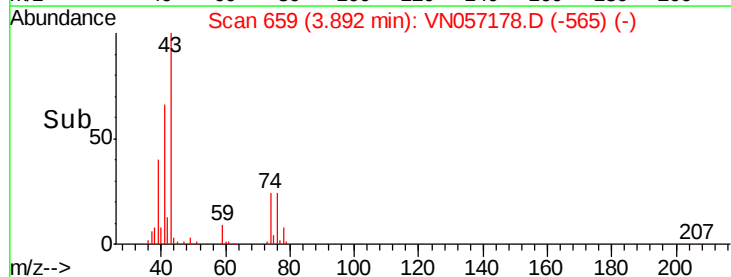
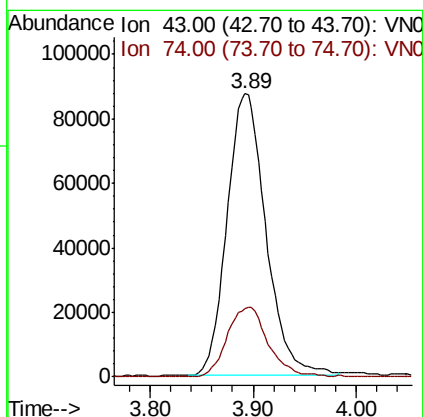
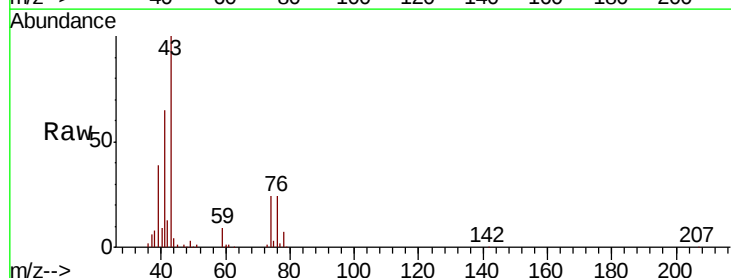
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

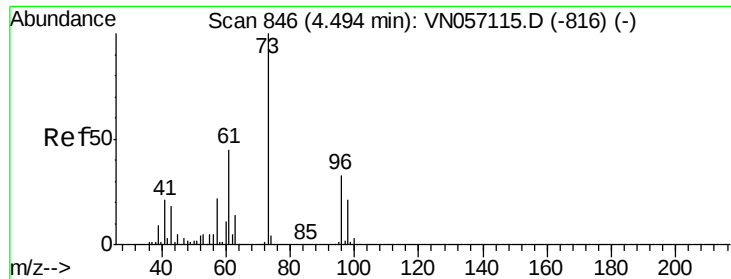
Tgt Ion: 76 Resp: 508606
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 19.714 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 43 Resp: 229869
Ion Ratio Lower Upper
43 100
74 26.1 20.2 30.4

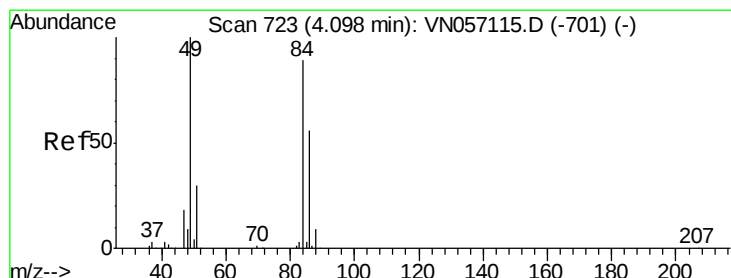
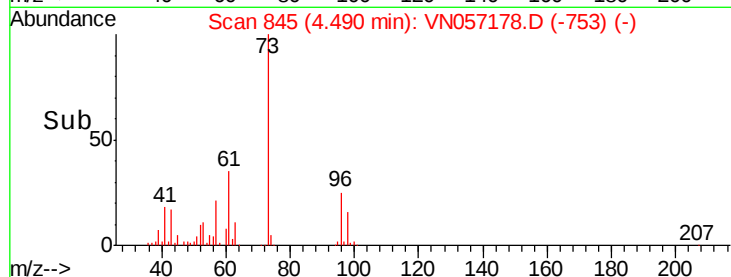
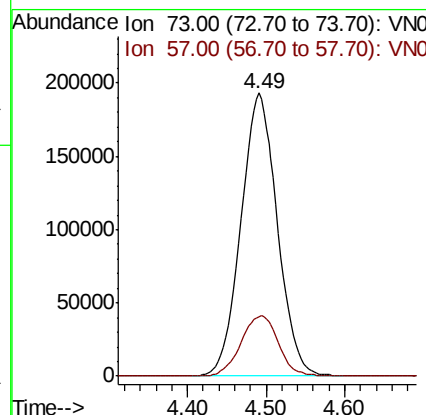
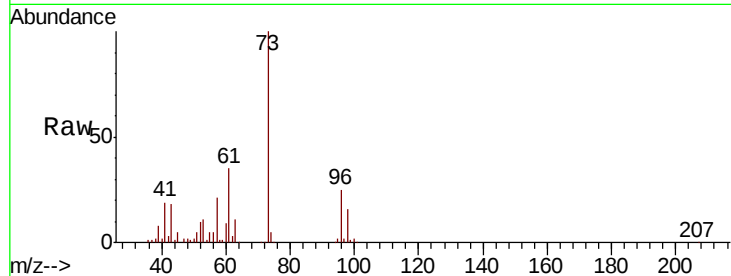




#19
Methyl tert-butyl Ether
Concen: 19.739 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

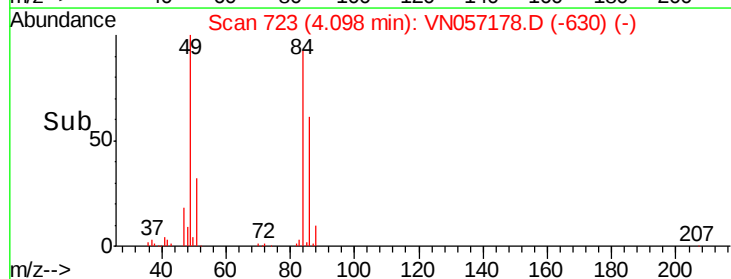
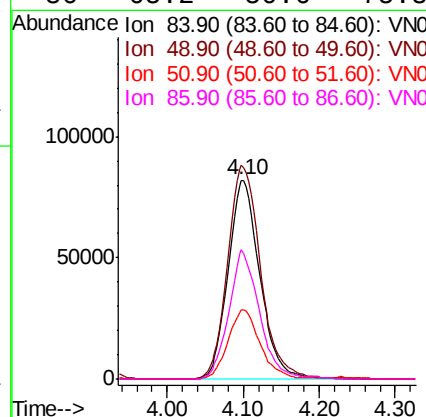
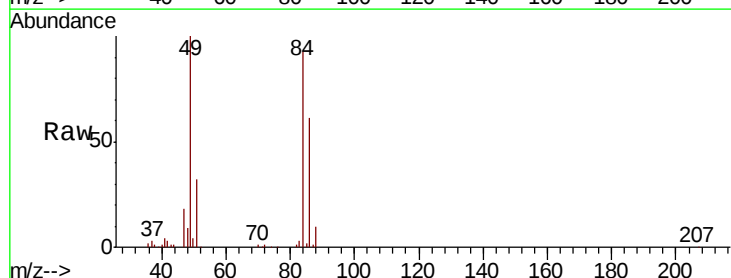
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

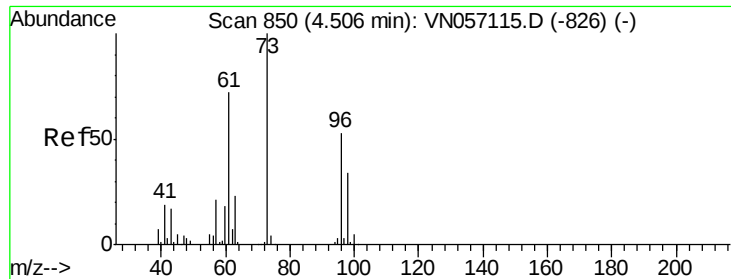
Tgt Ion: 73 Resp: 626298
Ion Ratio Lower Upper
73 100
57 21.0 18.0 27.0



#20
Methylene Chloride
Concen: 18.887 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 84 Resp: 239117
Ion Ratio Lower Upper
84 100
49 107.6 89.5 134.3
51 34.9 27.2 40.8
86 65.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 18.977 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

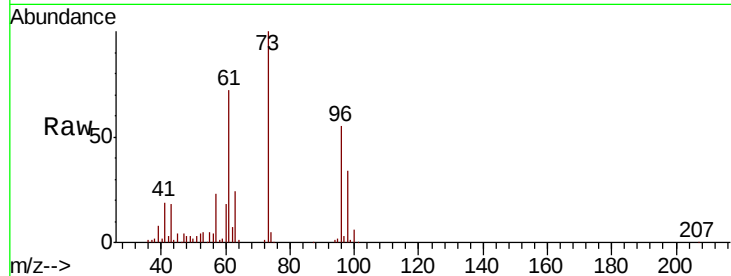
Tgt Ion: 96 Resp: 217266

Ion Ratio Lower Upper

96 100

61 131.6 108.1 162.1

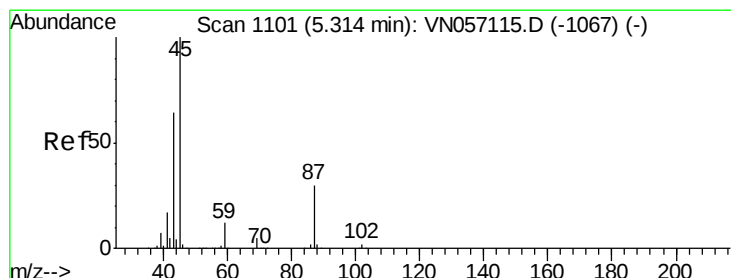
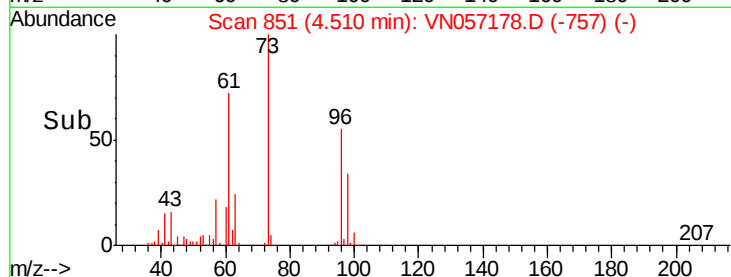
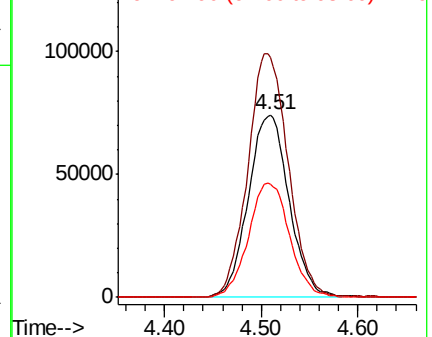
98 62.1 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.447 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion: 45 Resp: 647884

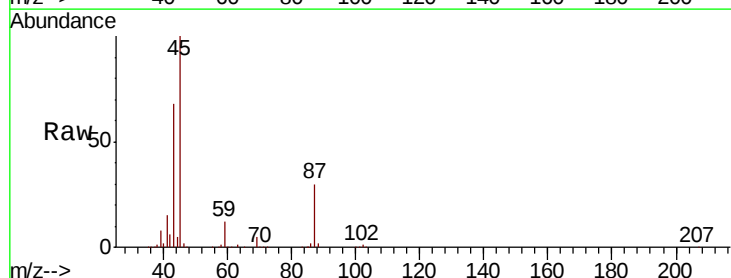
Ion Ratio Lower Upper

45 100

43 66.7 54.1 81.1

87 30.3 24.0 36.0

59 12.1 10.0 15.0

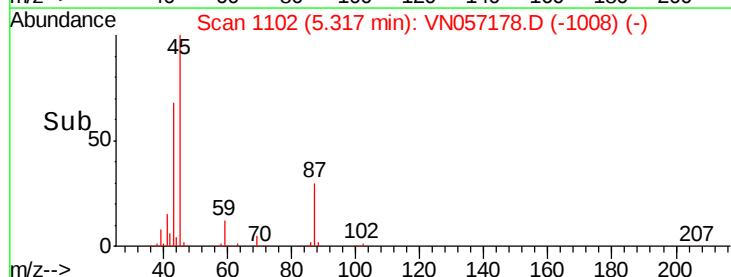
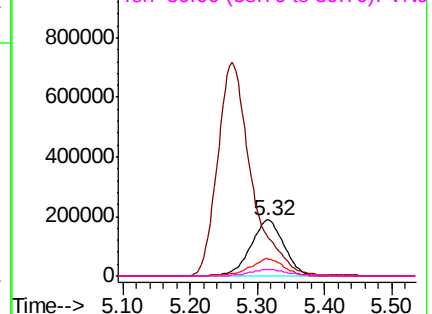


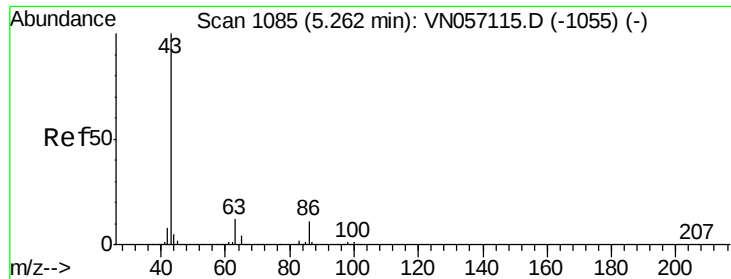
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.779 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

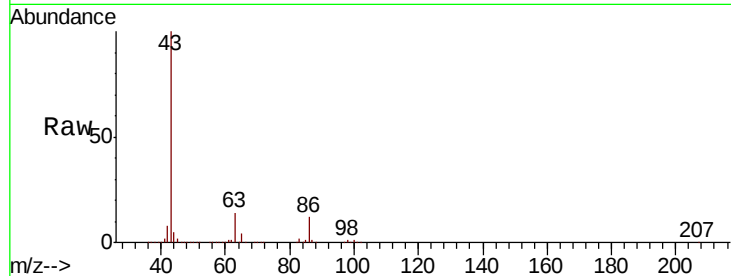
VN0811WBS01

Tgt Ion: 43 Resp: 2519987

Ion Ratio Lower Upper

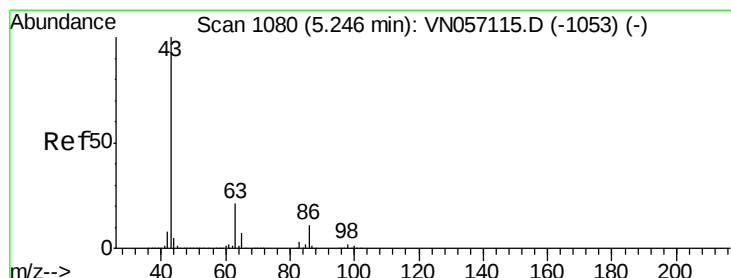
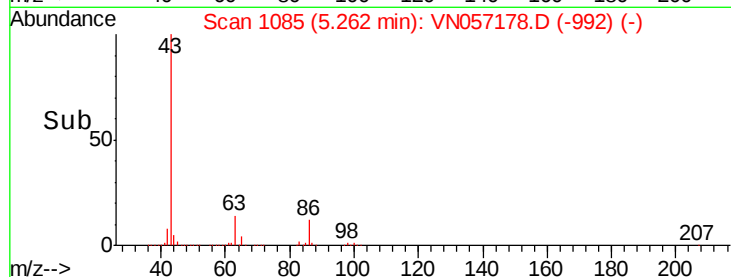
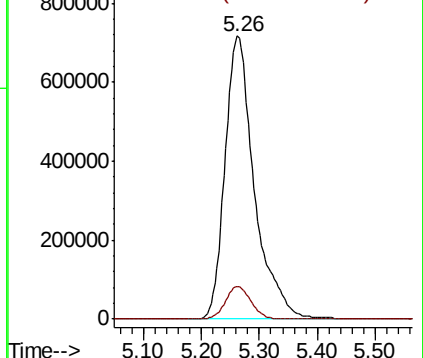
43 100

86 11.6 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.070 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

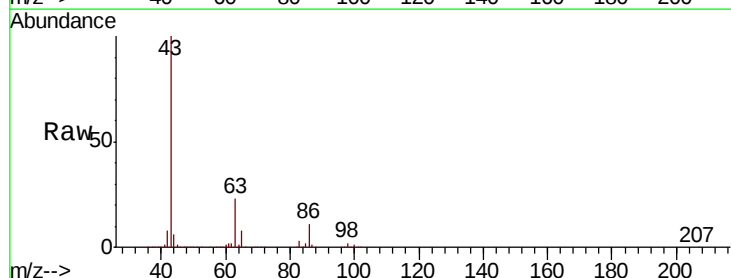
Tgt Ion: 63 Resp: 390551

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.2

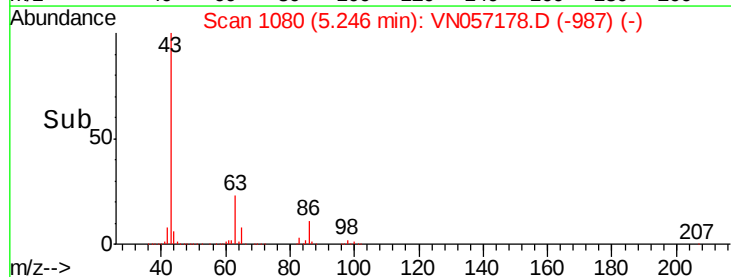
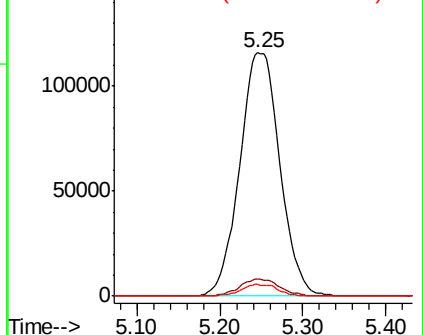
100 4.7 2.1 6.3

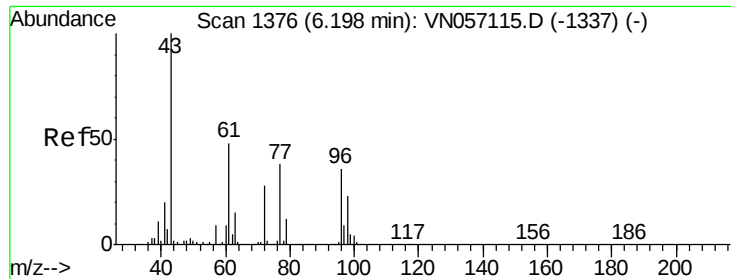


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

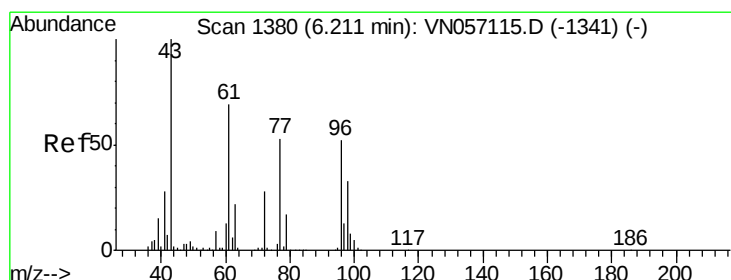
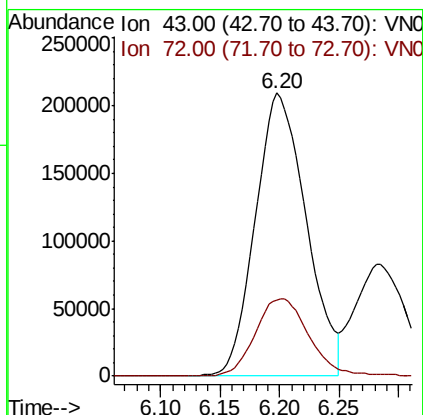
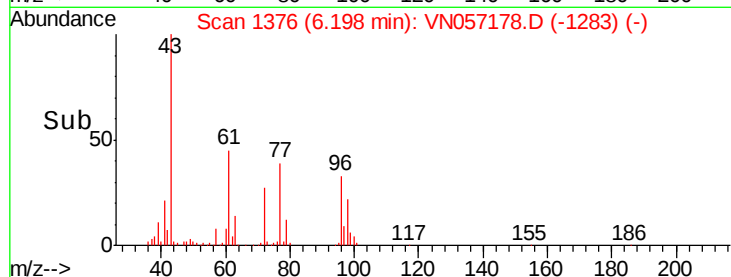
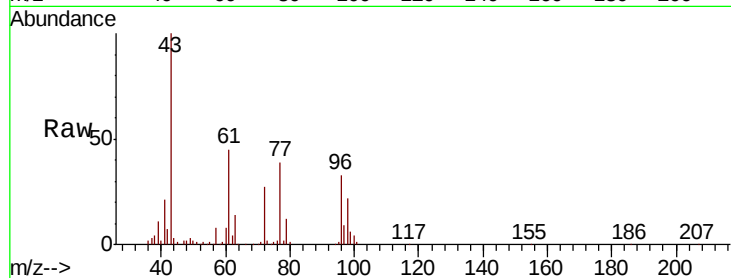




#25
2-Butanone
Concen: 105.067 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

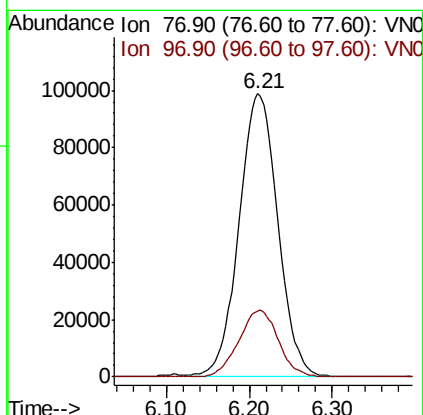
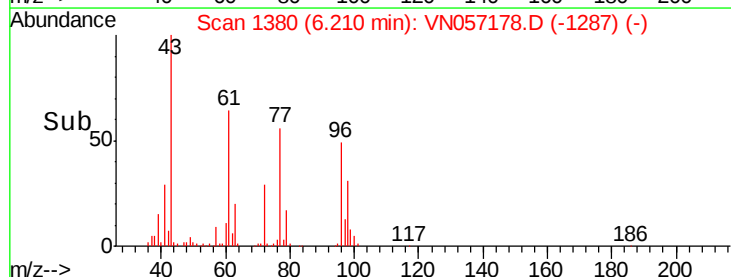
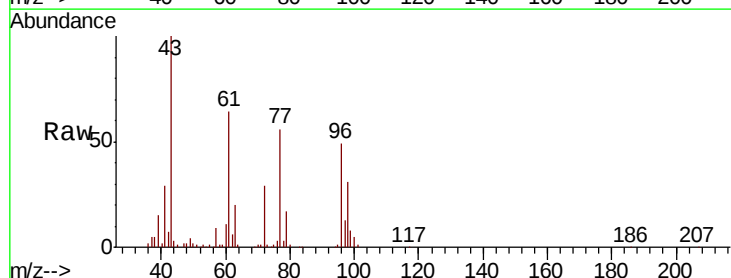
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

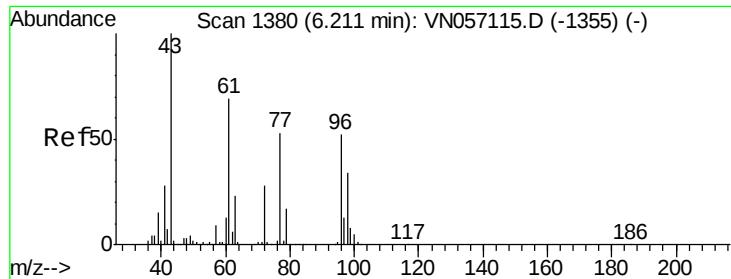
Tgt Ion: 43 Resp: 615802
Ion Ratio Lower Upper
43 100
72 27.0 22.2 33.4



#26
2,2-Dichloropropane
Concen: 21.501 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 77 Resp: 320355
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 19.562 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

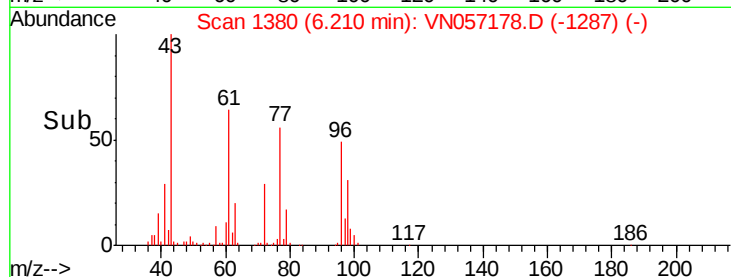
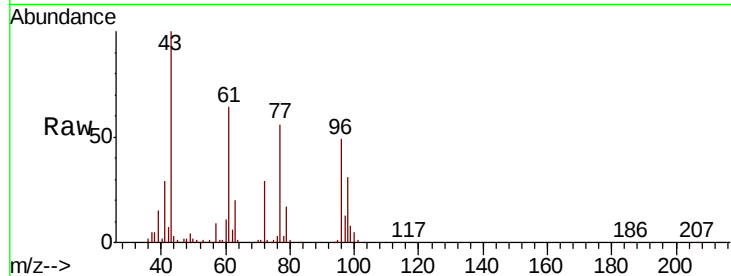
Tgt Ion: 96 Resp: 256575

Ion Ratio Lower Upper

96 100

61 135.7 0.0 273.4

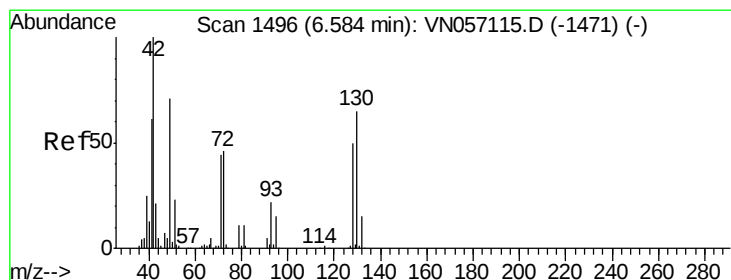
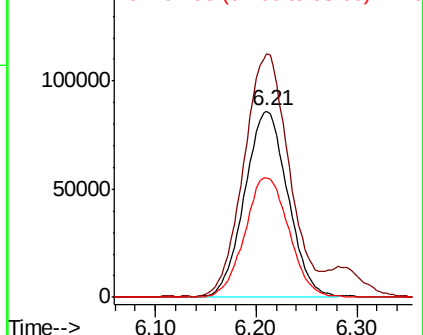
98 65.7 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.421 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

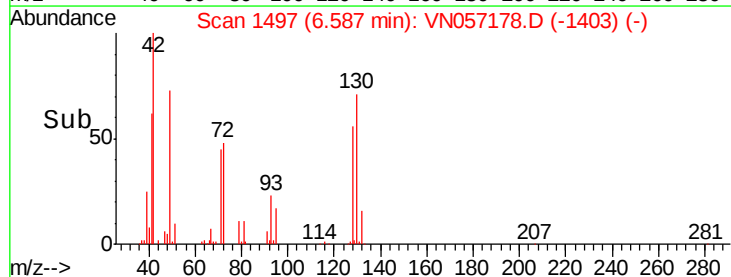
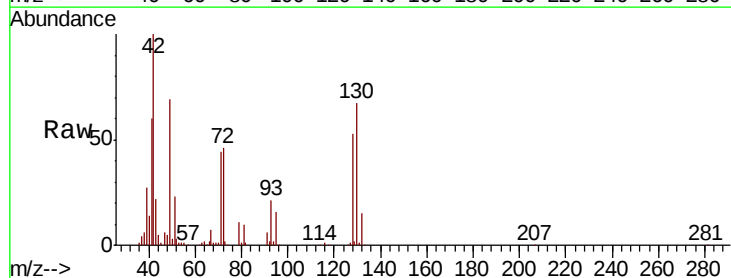
Tgt Ion: 49 Resp: 192365

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.8

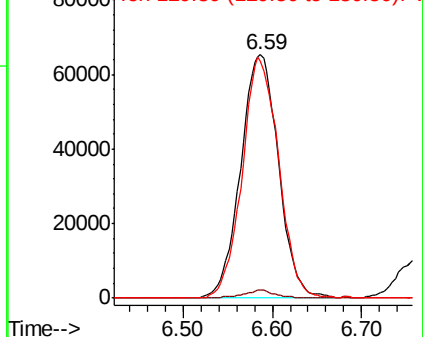
130 95.0 73.8 110.8

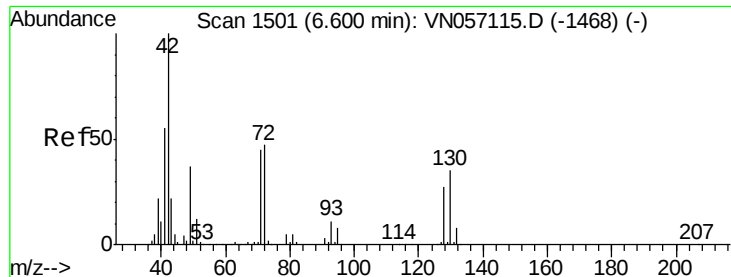


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 99.183 ug/l

RT: 6.60 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

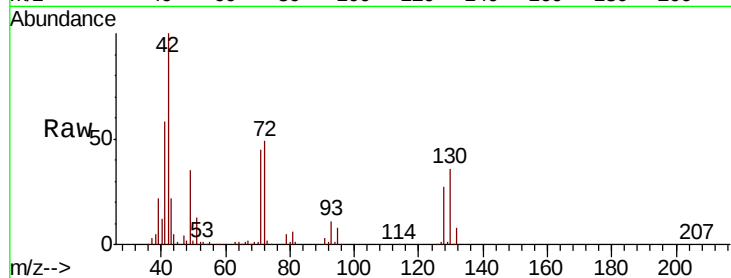
Tgt Ion: 42 Resp: 391599

Ion Ratio Lower Upper

42 100

72 46.7 37.1 55.7

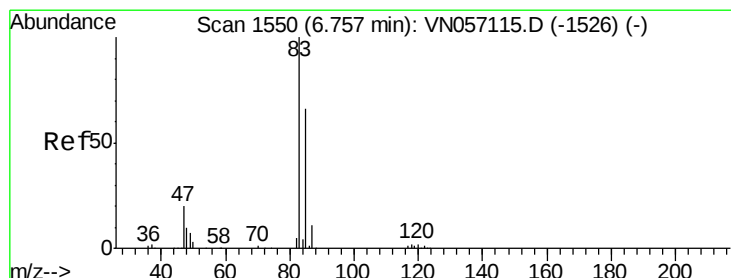
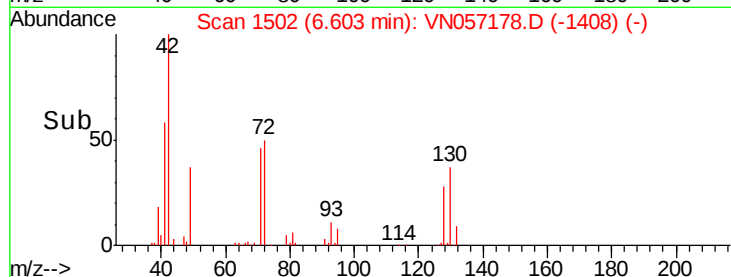
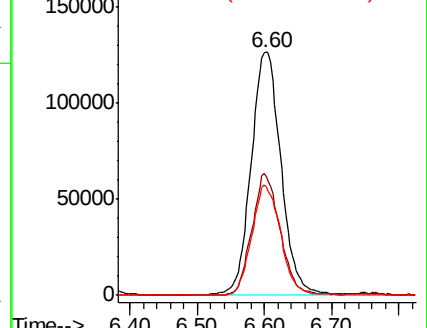
71 43.5 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.199 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057178.D

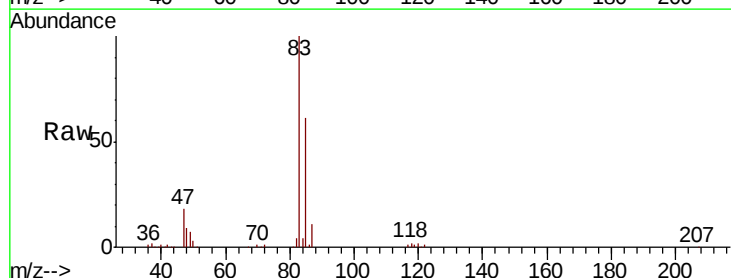
Acq: 11 Aug 2019 11:25

Tgt Ion: 83 Resp: 406956

Ion Ratio Lower Upper

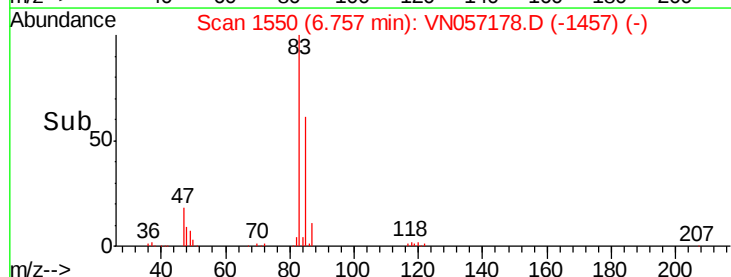
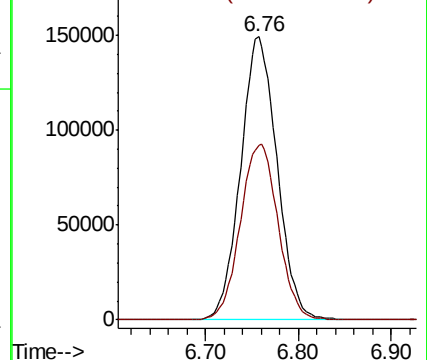
83 100

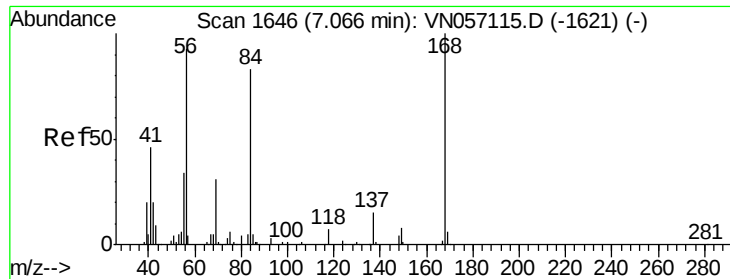
85 61.5 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

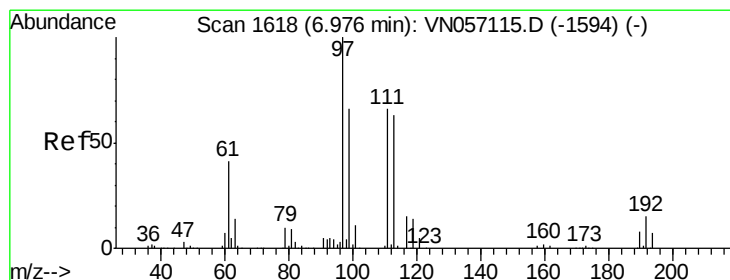
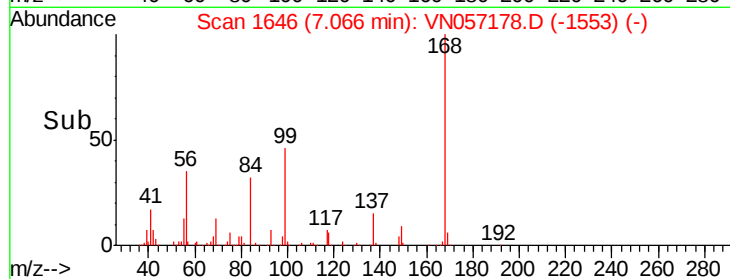
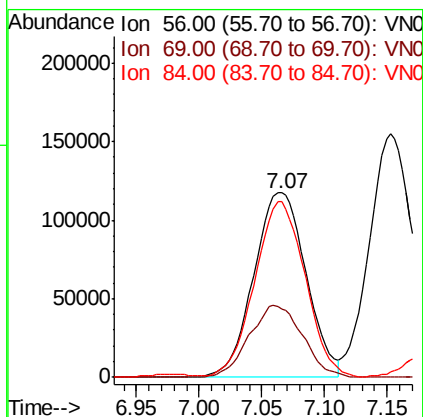
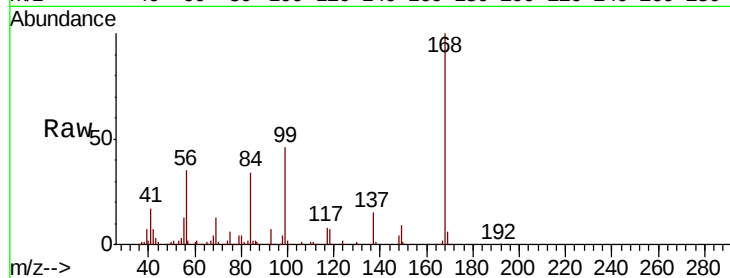




#31
Cyclohexane
Concen: 18.497 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

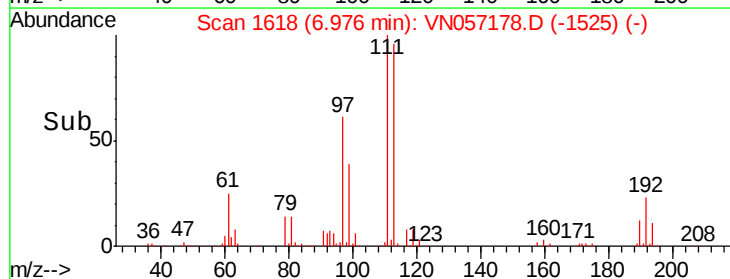
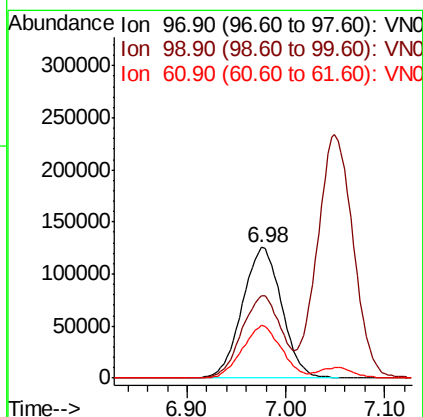
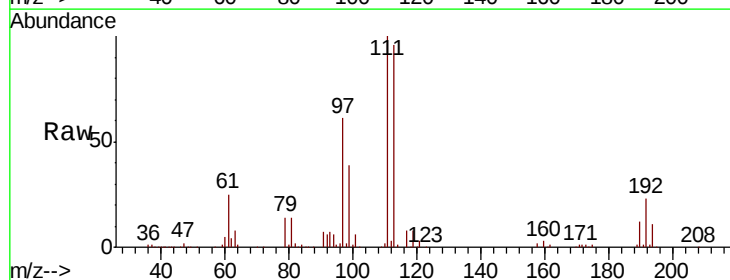
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

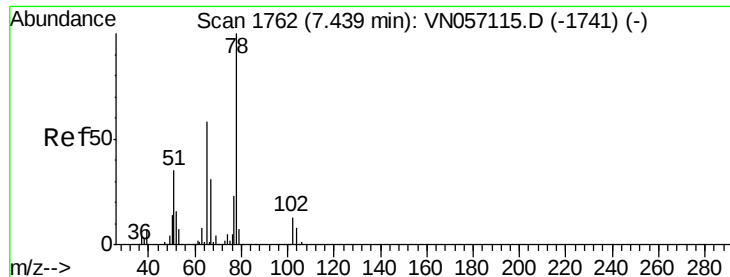
Tgt Ion: 56 Resp: 340813
Ion Ratio Lower Upper
56 100
69 36.8 26.9 40.3
84 94.2 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 19.519 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 97 Resp: 347076
Ion Ratio Lower Upper
97 100
99 62.6 51.8 77.6
61 40.0 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 50.309 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

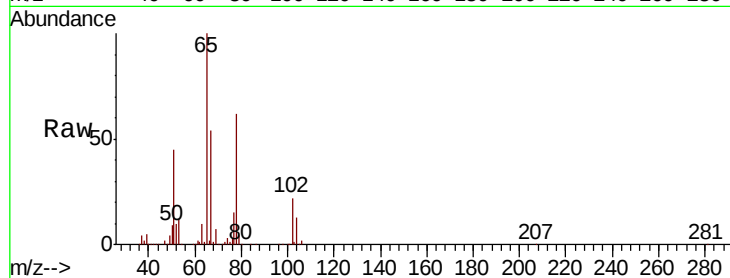
VN0811WBS01

Tgt Ion: 65 Resp: 639048

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN057178.D (-1669) (-)

Ion 66.90 (66.60 to 67.60): VN057178.D (-1669) (-)

7.44

300000

250000

200000

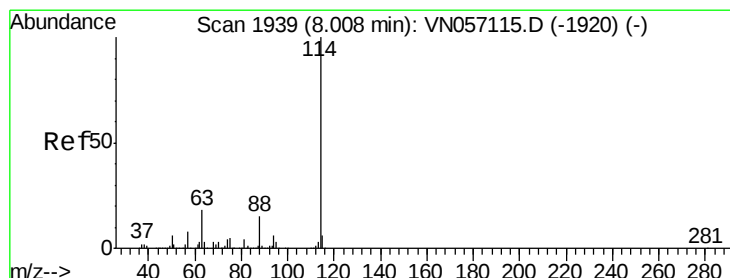
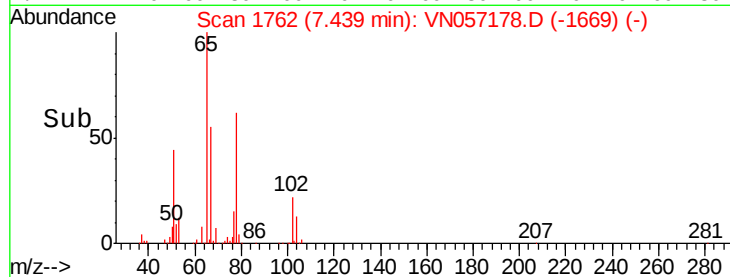
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

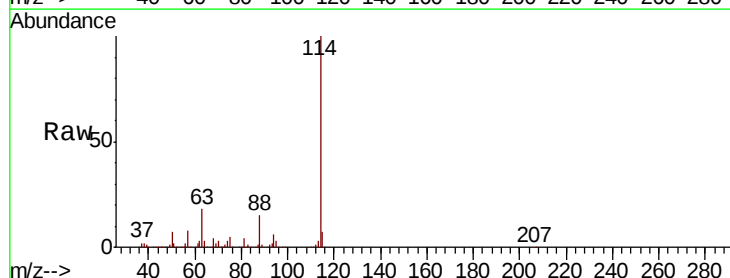
Tgt Ion: 114 Resp: 1785007

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

88 15.1 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN057178.D (-1846) (-)

Ion 63.00 (62.70 to 63.70): VN057178.D (-1846) (-)

Ion 87.90 (87.60 to 88.60): VN057178.D (-1846) (-)

8.01

1000000

800000

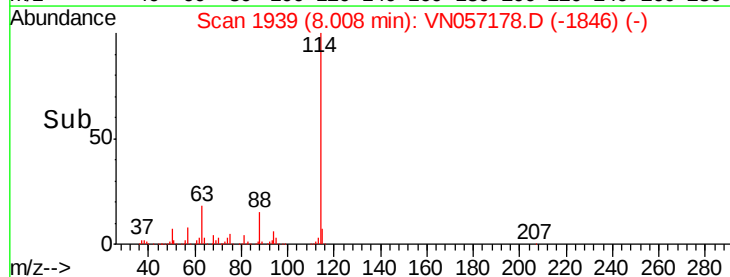
600000

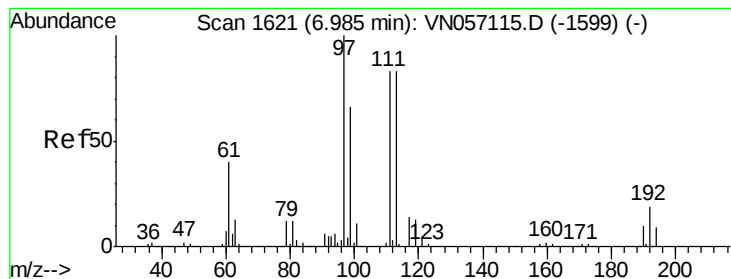
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.146 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

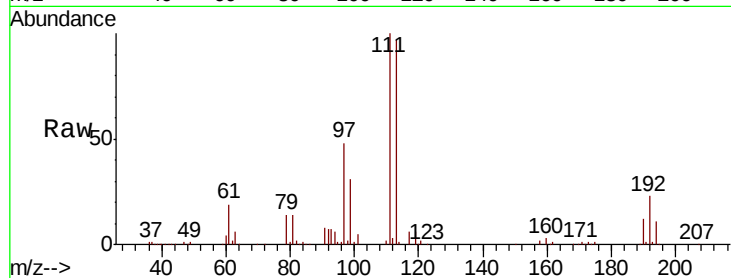
Tgt Ion: 113 Resp: 584091

Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

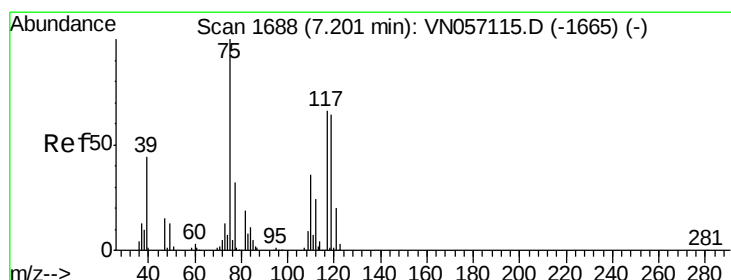
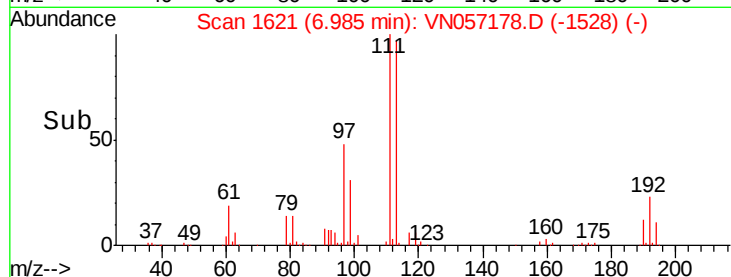
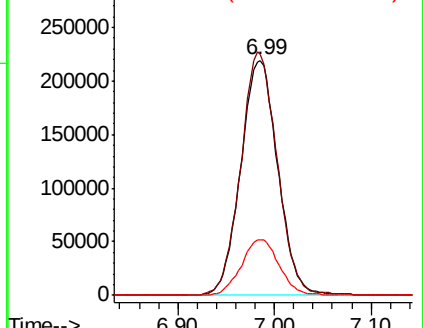
192 24.2 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.516 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

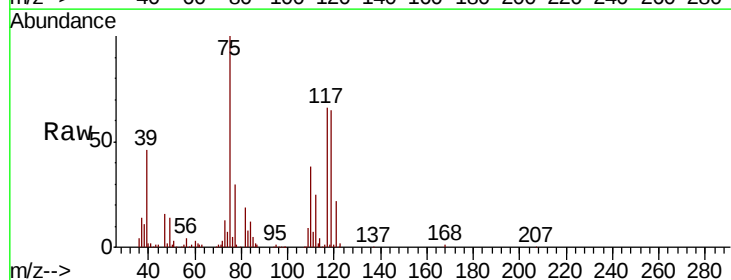
Tgt Ion: 75 Resp: 301529

Ion Ratio Lower Upper

75 100

110 36.8 18.7 56.1

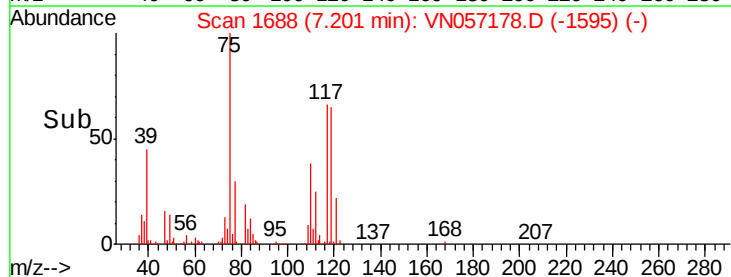
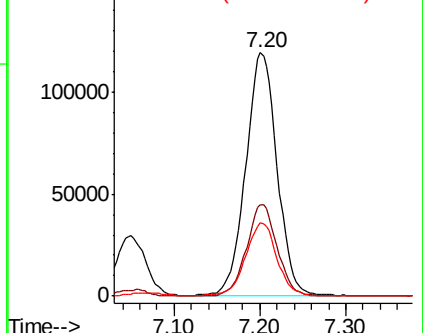
77 30.4 25.0 37.4

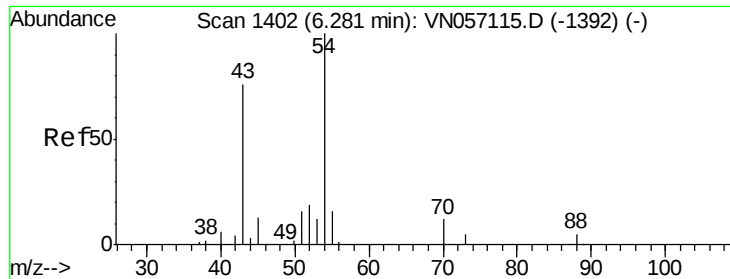


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

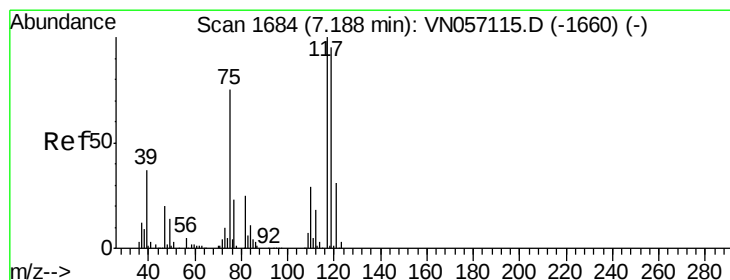
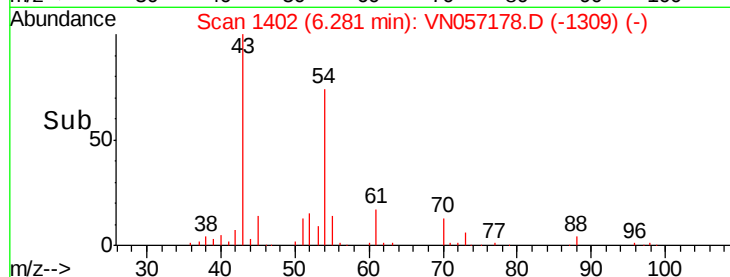
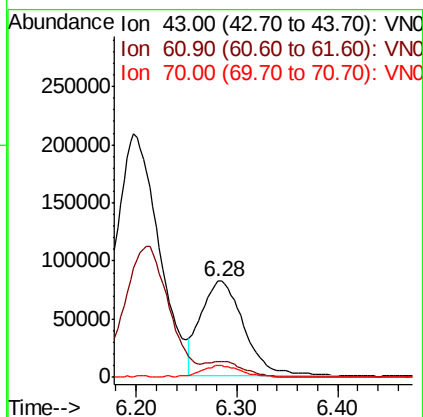
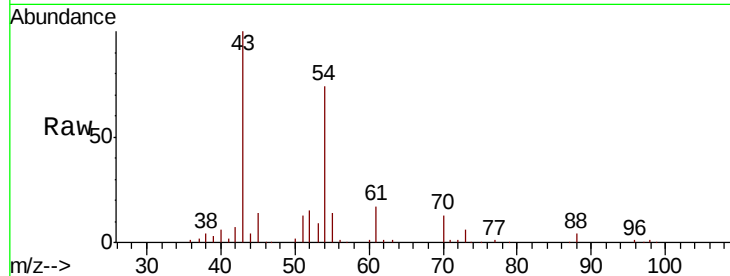




#37
Ethyl Acetate
Concen: 20.101 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

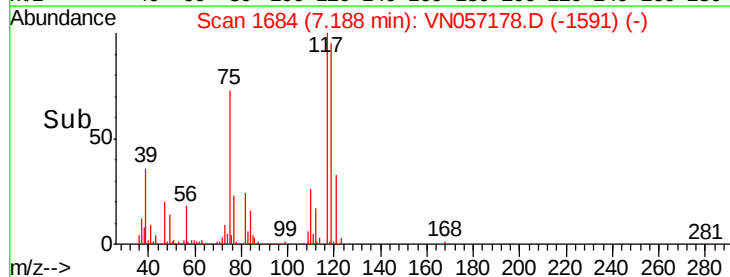
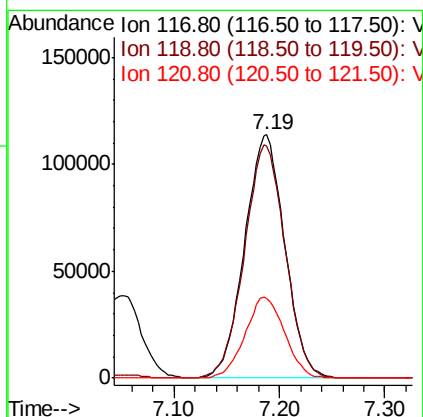
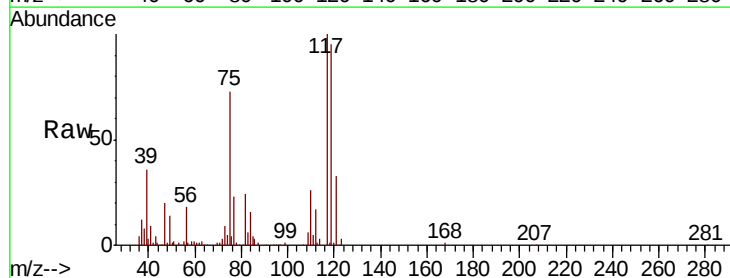
Instrument :
MSVOA_N
ClientSampled :
VN0811WBS01

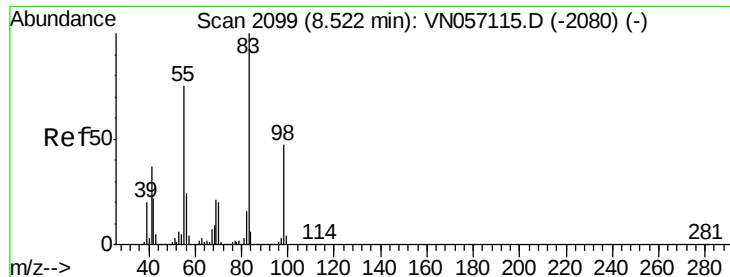
Tgt Ion: 43 Resp: 243619
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 10.9 9.1 13.7



#38
Carbon Tetrachloride
Concen: 19.625 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 117 Resp: 300590
Ion Ratio Lower Upper
117 100
119 95.6 75.8 113.6
121 32.7 24.4 36.6

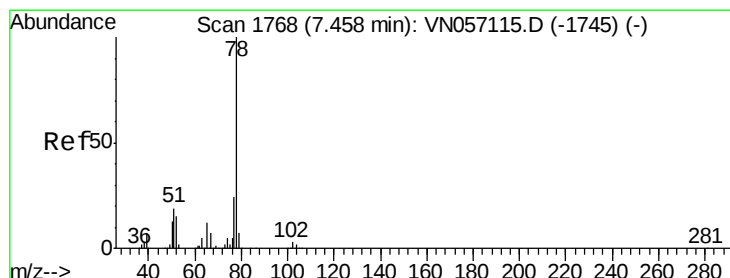
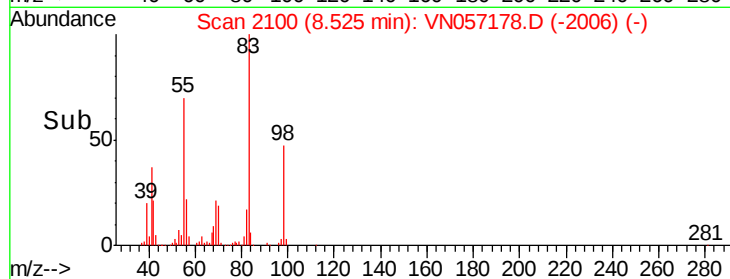
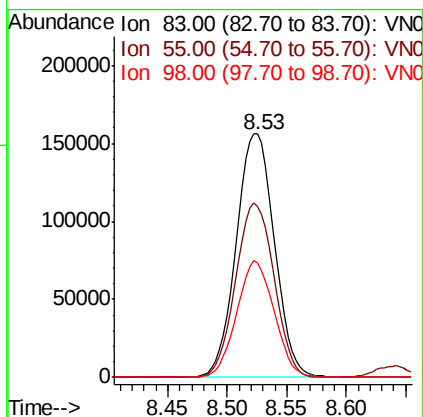
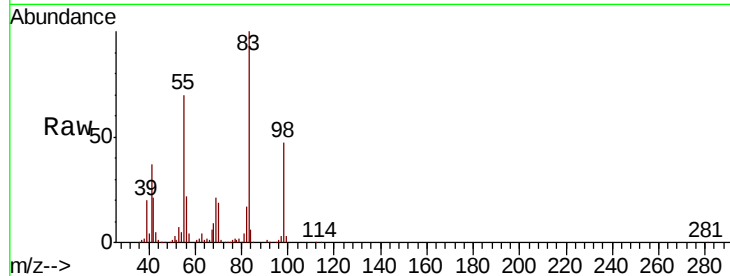




#39
Methylcyclohexane
Concen: 19.509 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

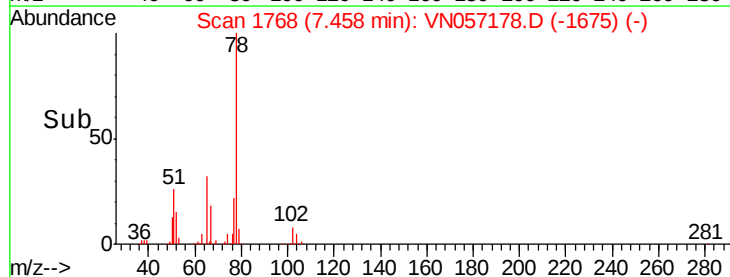
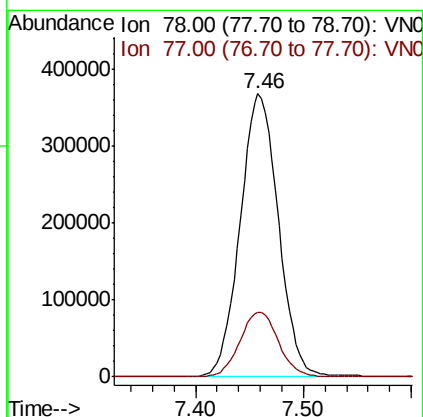
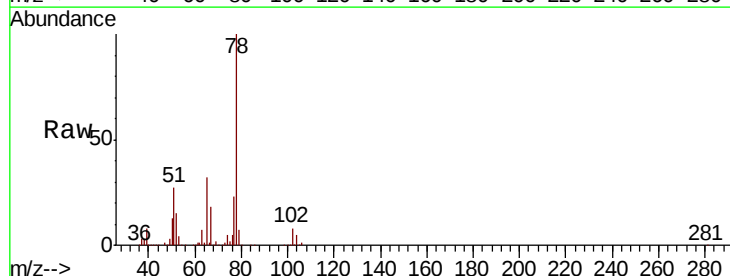
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

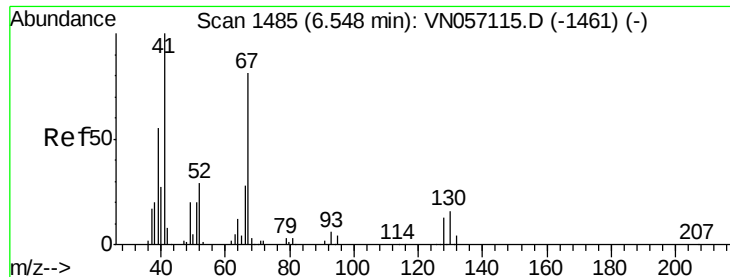
Tgt Ion: 83 Resp: 348671
Ion Ratio Lower Upper
83 100
55 70.3 60.3 90.5
98 47.0 37.9 56.9



#40
Benzene
Concen: 19.497 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 78 Resp: 907146
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8

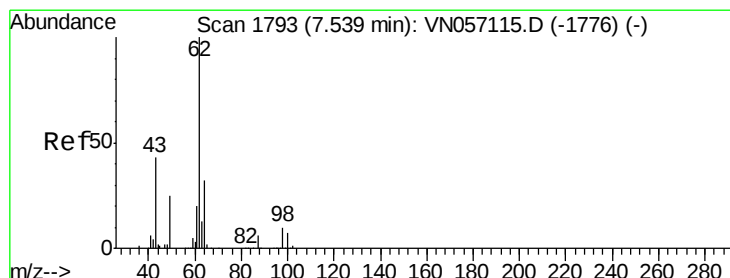
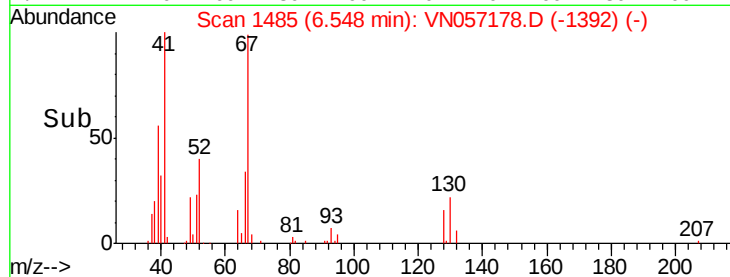
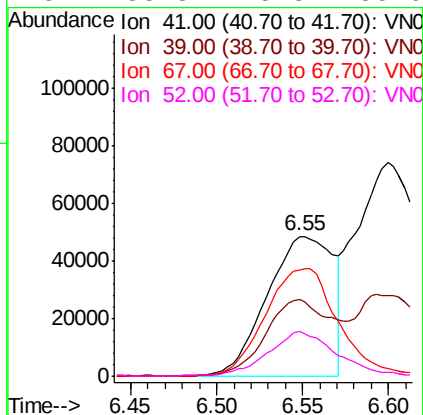
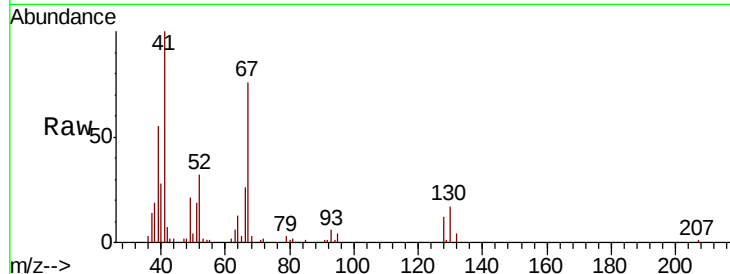




#41
Methacrylonitrile
Concen: 21.099 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

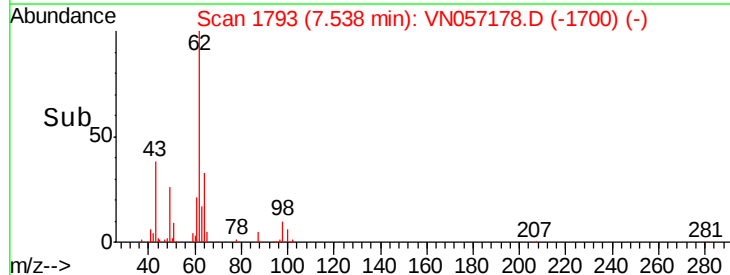
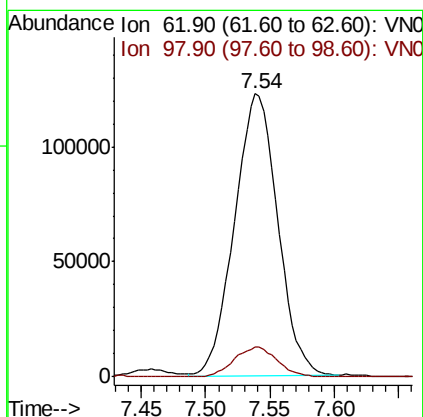
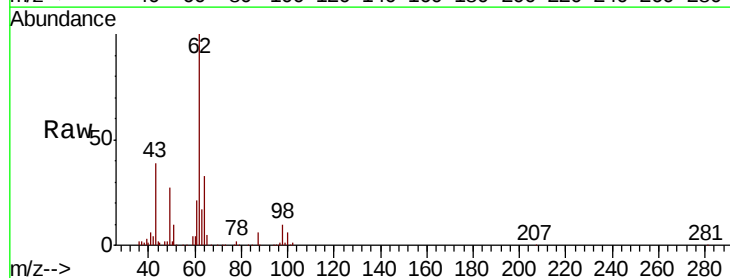
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

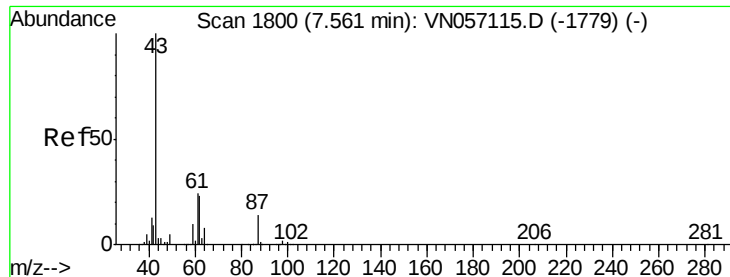
Tgt Ion:	41	Resp:	129846
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.9	67.3
67	84.7	69.1	103.7
52	33.3	25.8	38.6



#42
1,2-Dichloroethane
Concen: 19.247 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion:	62	Resp:	285592
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.791 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

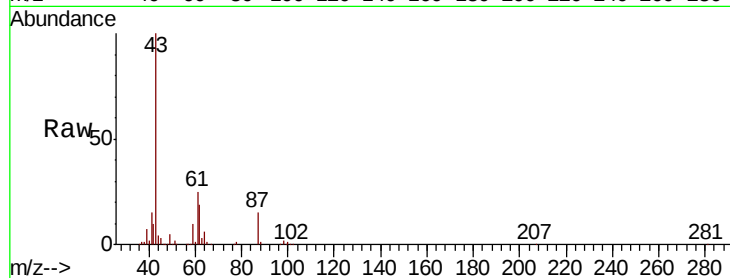
Tgt Ion: 43 Resp: 409185

Ion Ratio Lower Upper

43 100

61 30.2 24.2 36.2

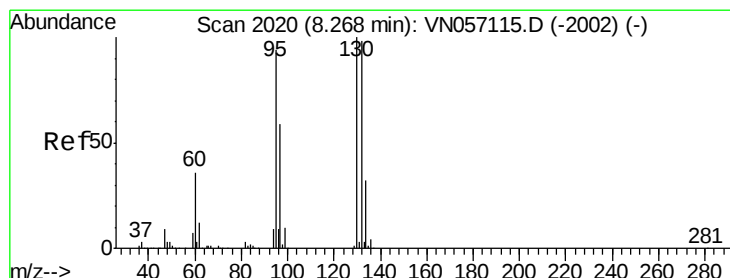
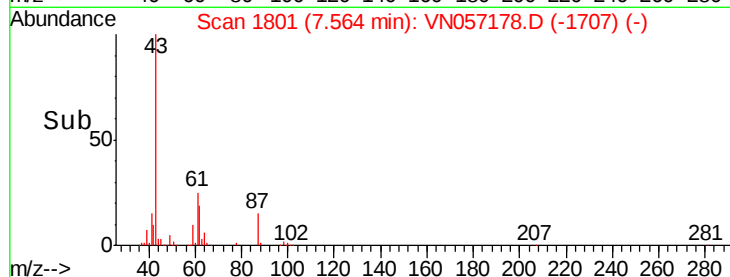
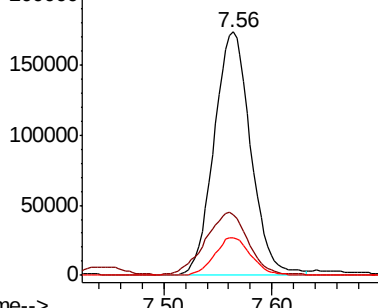
87 15.4 11.8 17.8



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) (-)



#44

Trichloroethene

Concen: 19.693 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057178.D

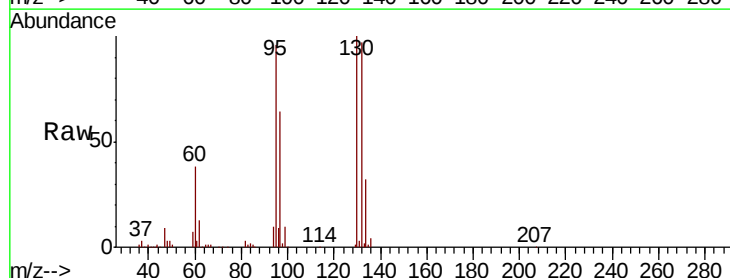
Acq: 11 Aug 2019 11:25

Tgt Ion: 130 Resp: 256694

Ion Ratio Lower Upper

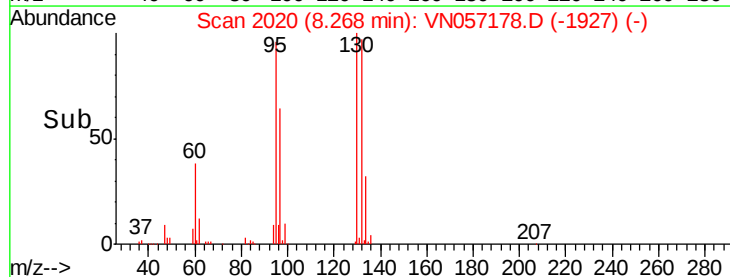
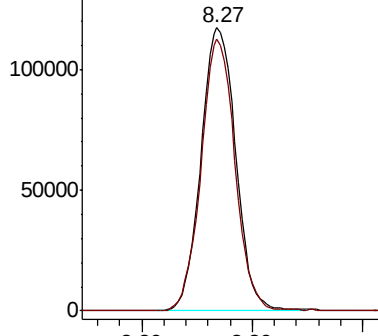
130 100

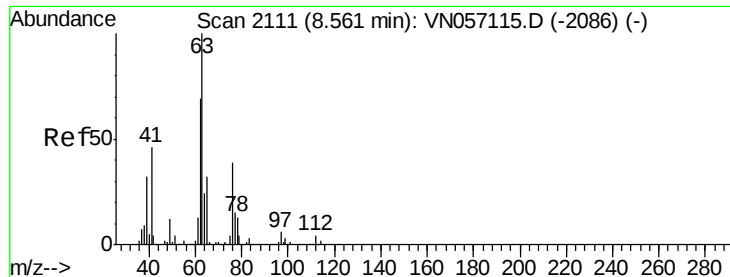
95 96.1 0.0 187.4



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

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





#45

1,2-Dichloropropane

Concen: 19.985 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

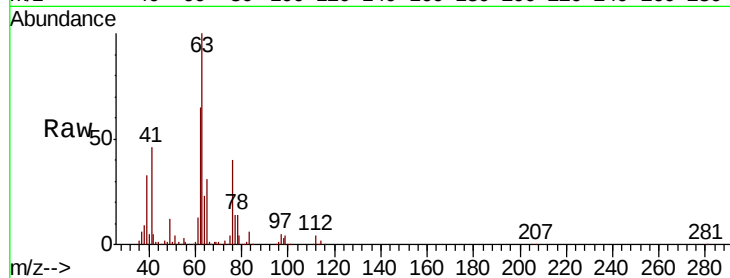
VN0811WBS01

Tgt Ion: 63 Resp: 240752

Ion Ratio Lower Upper

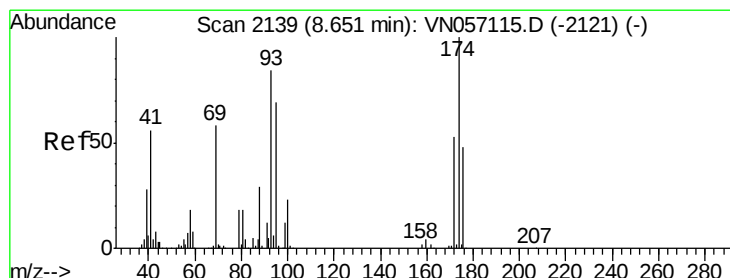
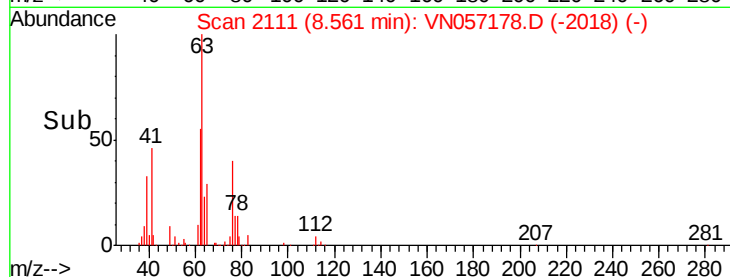
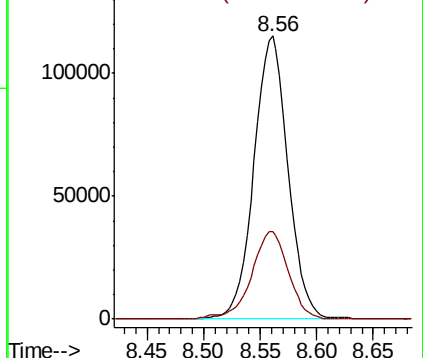
63 100

65 30.8 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.113 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

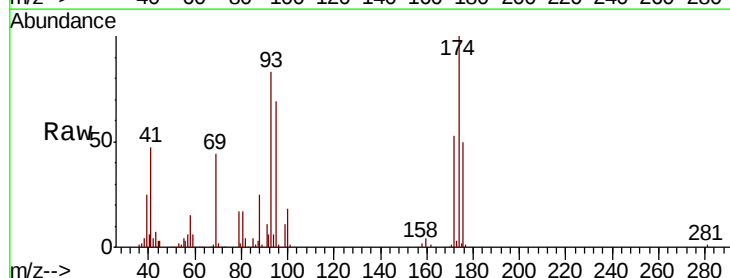
Tgt Ion: 93 Resp: 155359

Ion Ratio Lower Upper

93 100

95 84.7 66.0 99.0

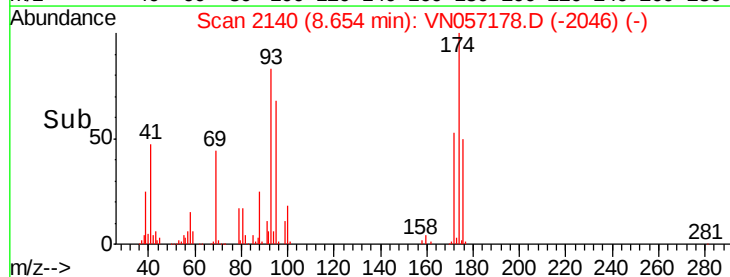
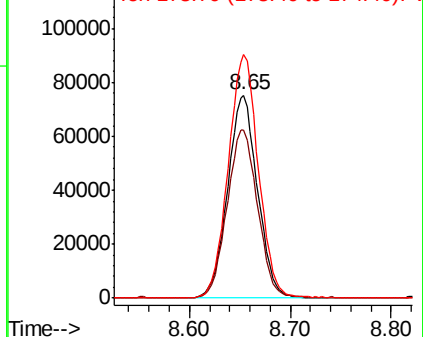
174 121.1 96.0 144.0

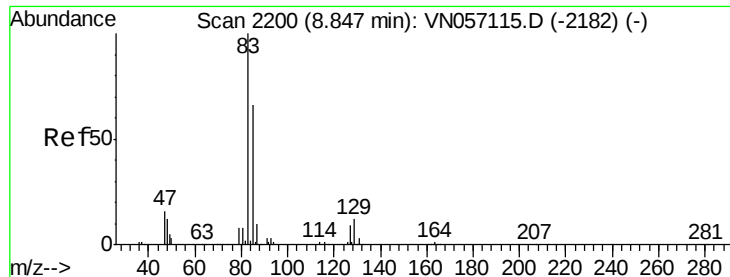


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.472 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

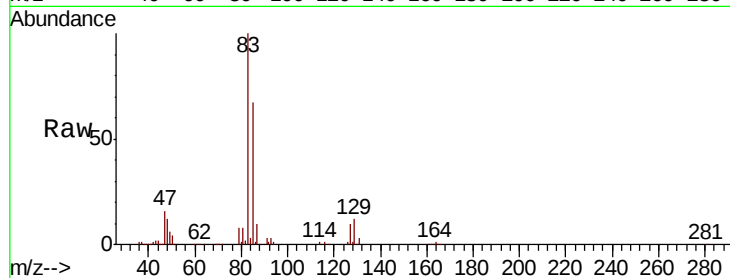
Tgt Ion: 83 Resp: 305976

Ion Ratio Lower Upper

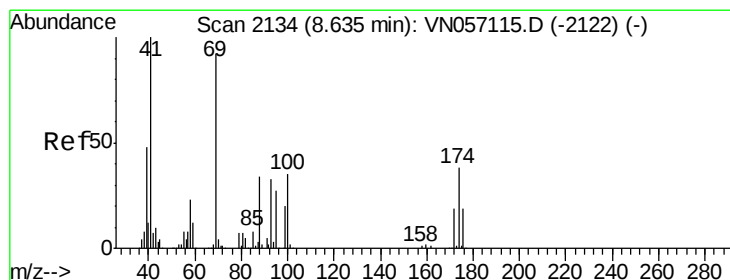
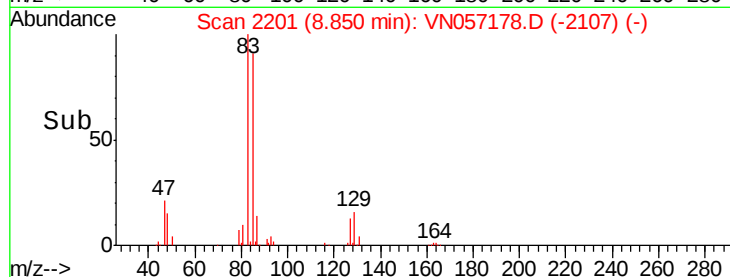
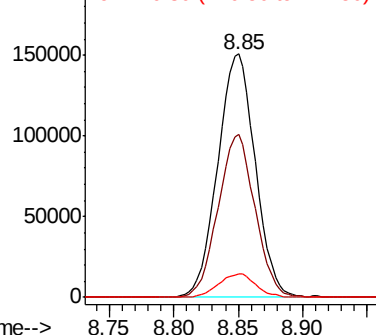
83 100

85 66.8 52.6 78.8

127 9.8 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.154 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

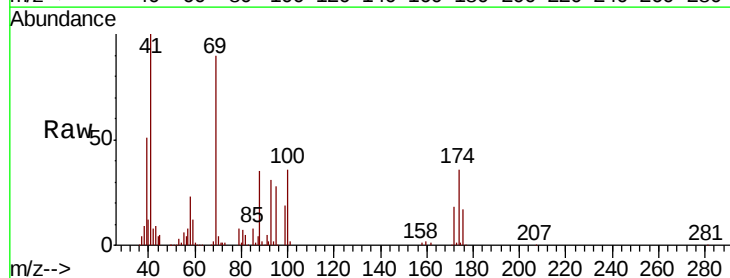
Tgt Ion: 41 Resp: 186739

Ion Ratio Lower Upper

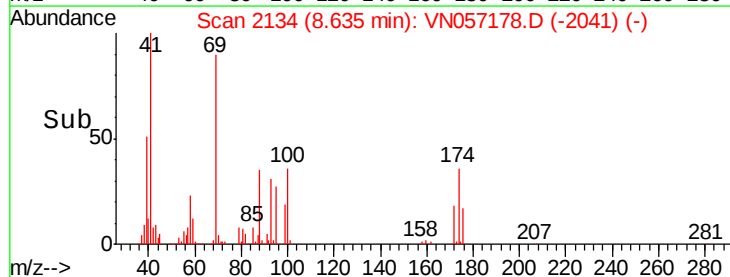
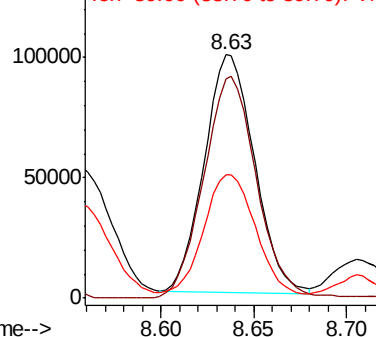
41 100

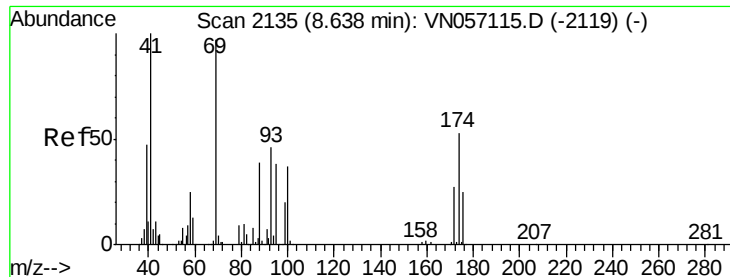
69 98.5 77.5 116.3

39 54.5 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

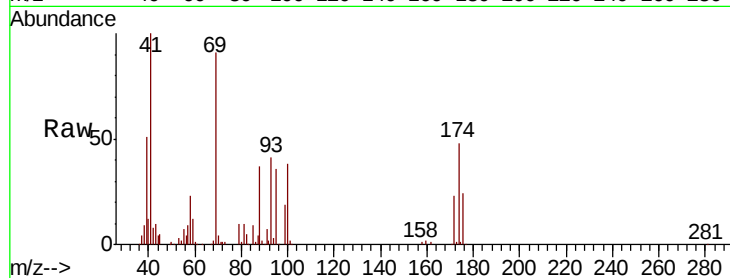




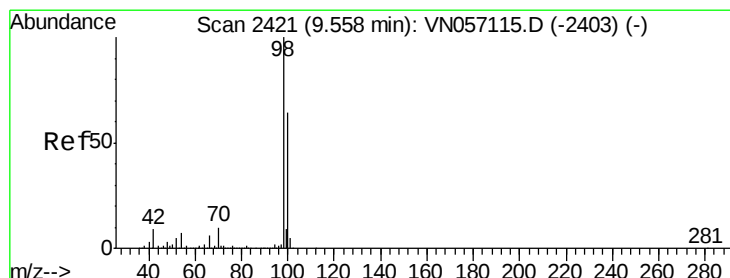
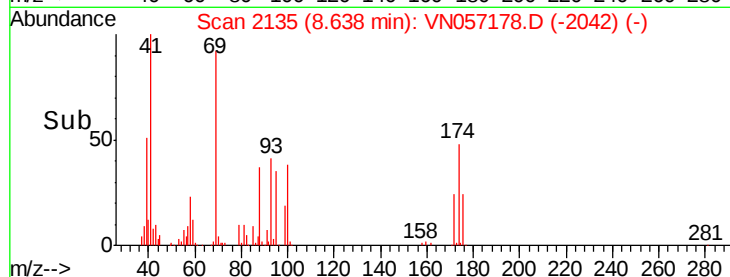
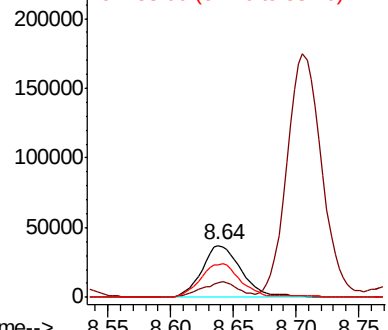
#49
 1,4-Dioxane
 Concen: 410.427 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

Tgt Ion: 88 Resp: 81494
 Ion Ratio Lower Upper
 88 100
 43 25.5 21.7 32.5
 58 65.7 51.1 76.7

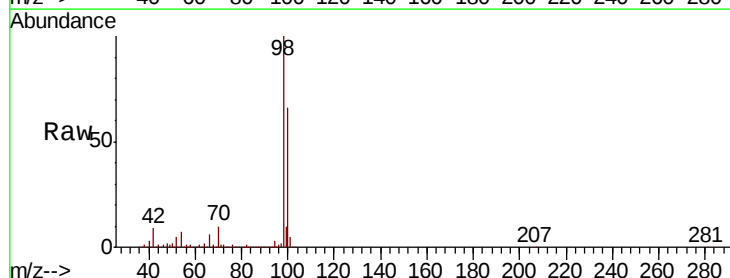


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

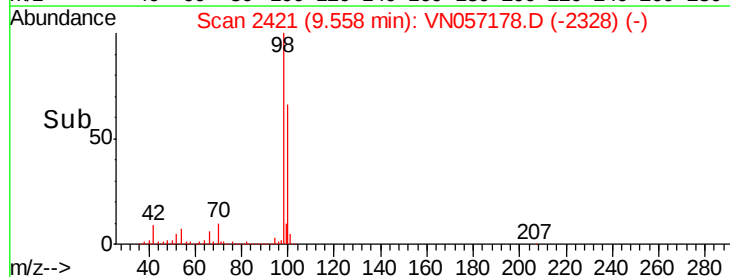
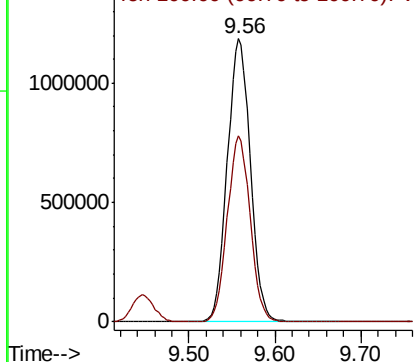


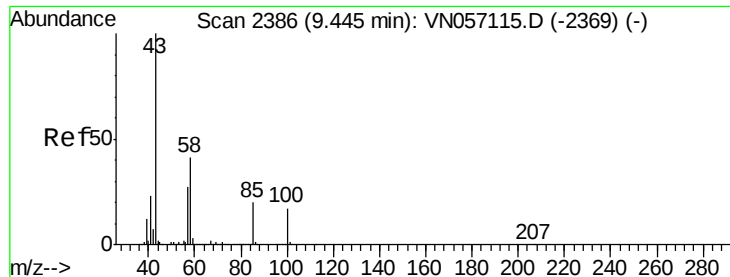
#50
 Toluene-d8
 Concen: 51.581 ug/l
 RT: 9.56 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 98 Resp: 2210455
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.2 76.8



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

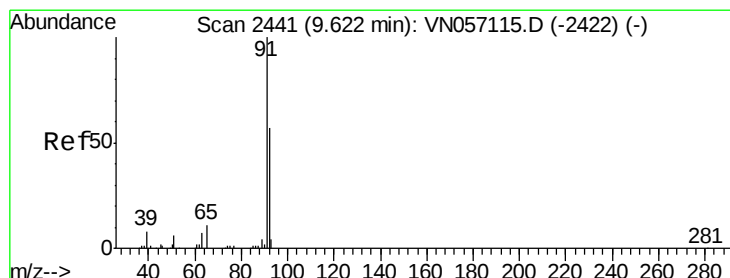
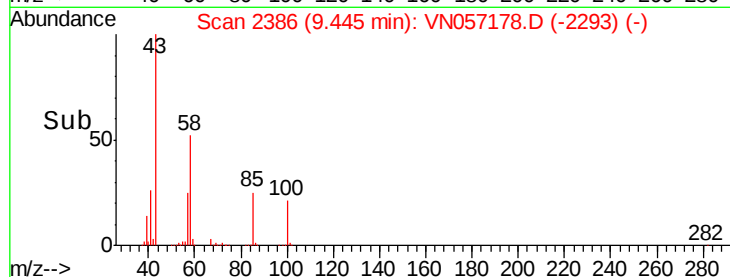
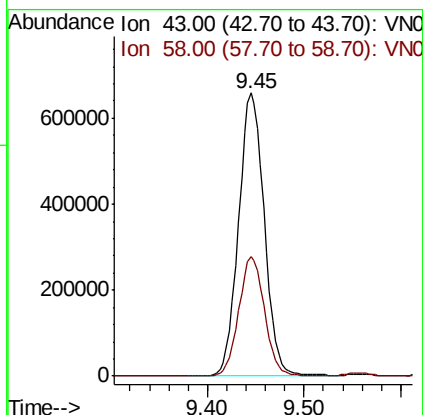
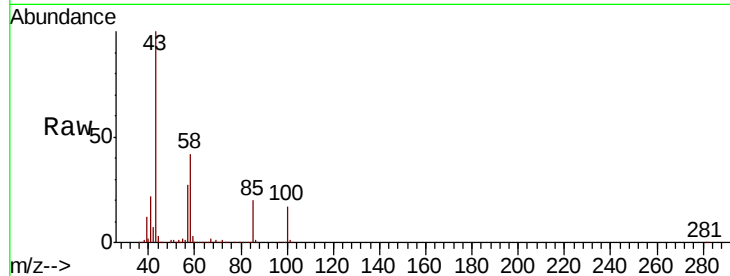




#51
 4-Methyl-2-Pentanone
 Concen: 101.004 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

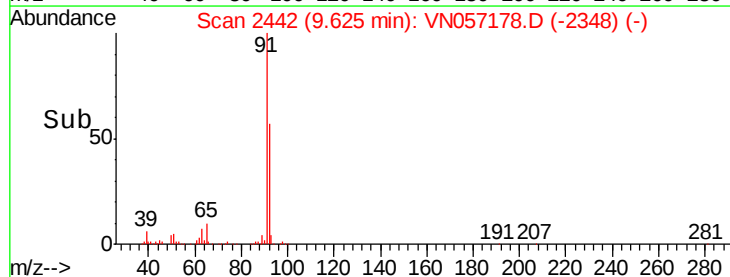
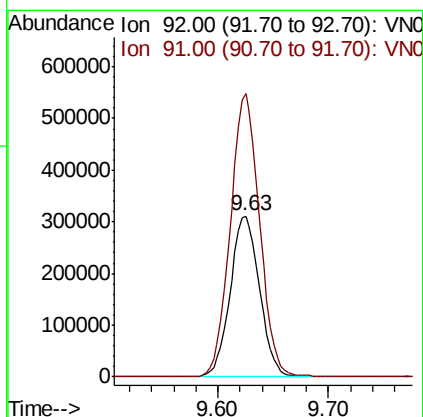
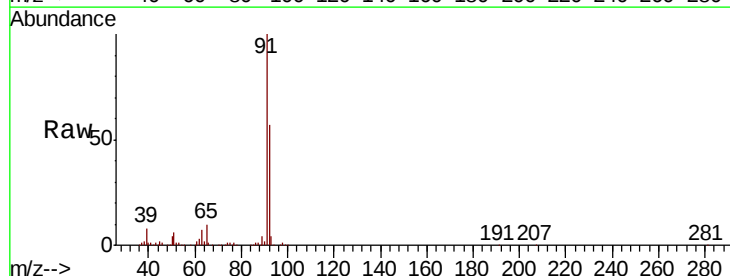
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

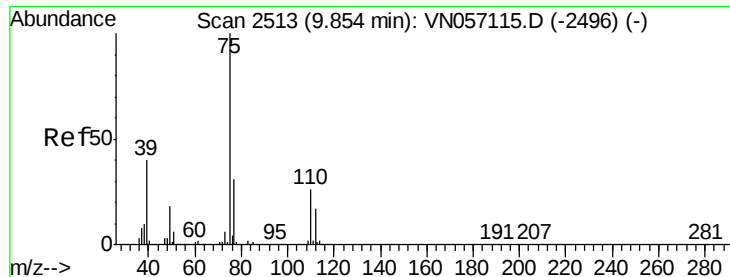
Tgt Ion: 43 Resp: 1215352
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.2 49.8



#52
 Toluene
 Concen: 19.829 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 92 Resp: 572659
 Ion Ratio Lower Upper
 92 100
 91 175.5 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.701 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

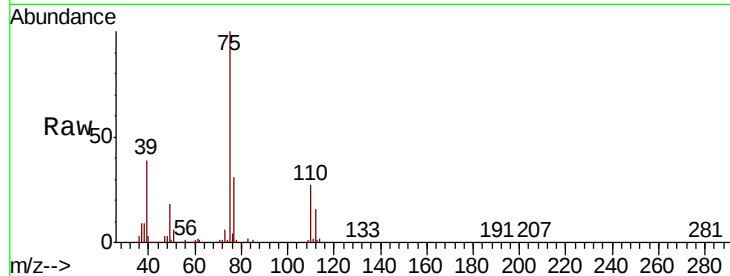
VN0811WBS01

Tgt Ion: 75 Resp: 323229

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

9.86

200000

150000

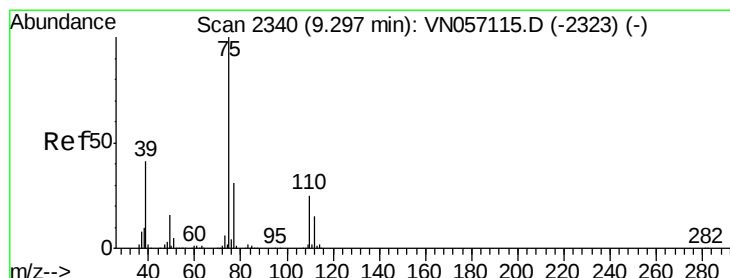
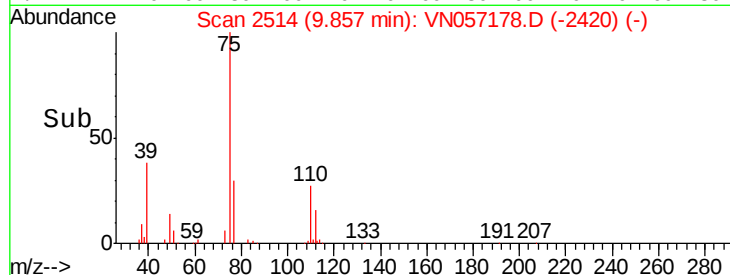
100000

50000

0

9.80 9.90

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.418 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

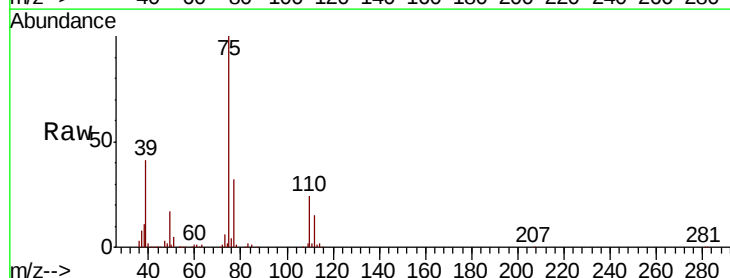
Tgt Ion: 75 Resp: 365818

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 41.2 32.5 48.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.30

250000

200000

150000

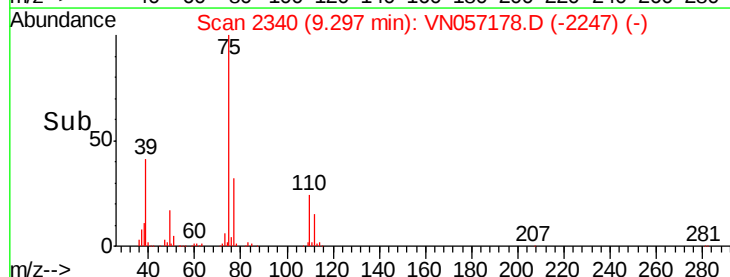
100000

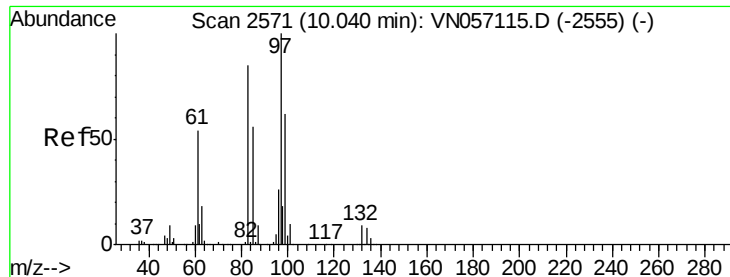
50000

0

9.20 9.25 9.30 9.35 9.40

Time-->

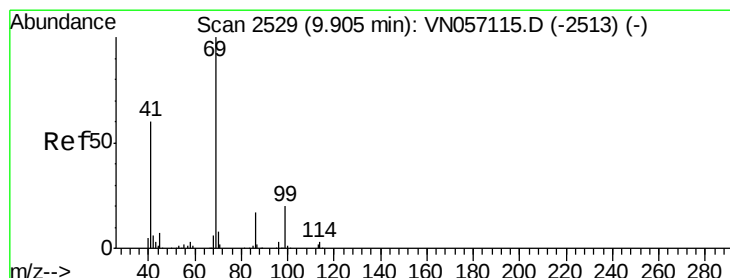
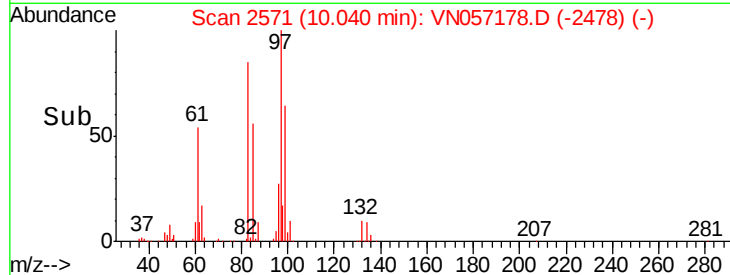
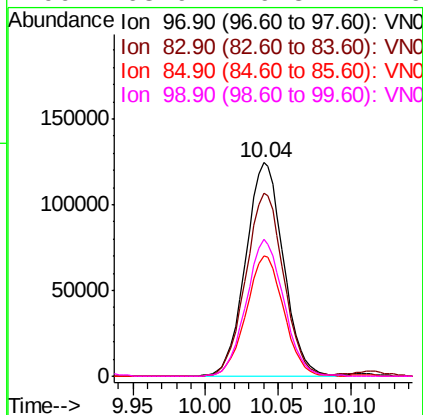
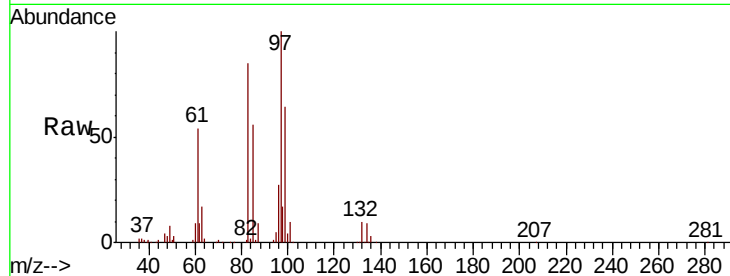




#55
 1,1,2-Trichloroethane
 Concen: 19.883 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

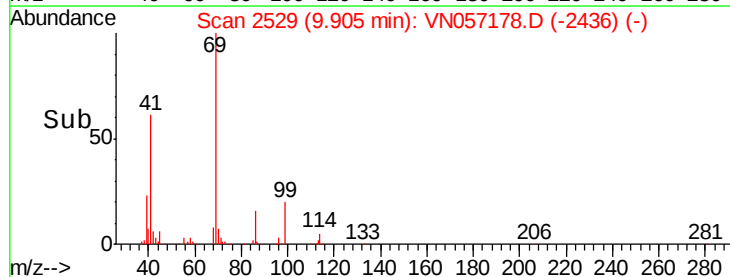
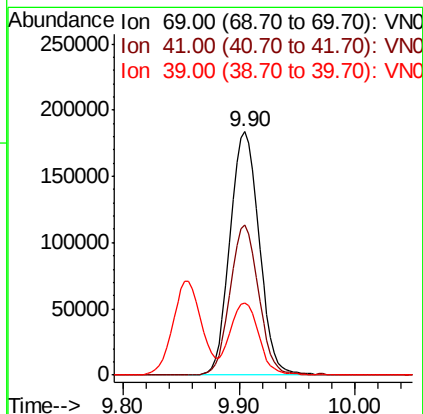
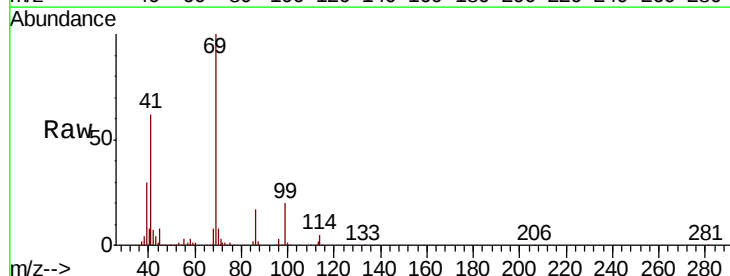
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

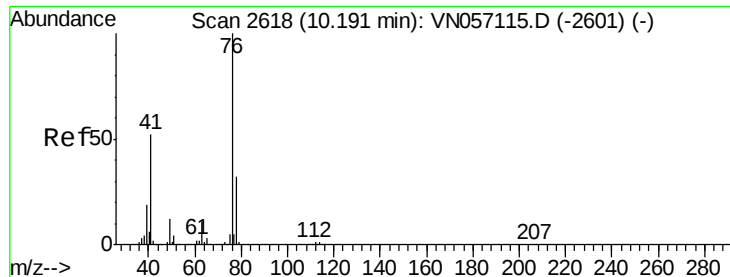
Tgt Ion:	97	Resp:	225810
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.8
85	56.5	44.4	66.6
99	63.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.073 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion:	69	Resp:	319178
Ion	Ratio	Lower	Upper
69	100		
41	59.8	48.1	72.1
39	28.8	23.6	35.4

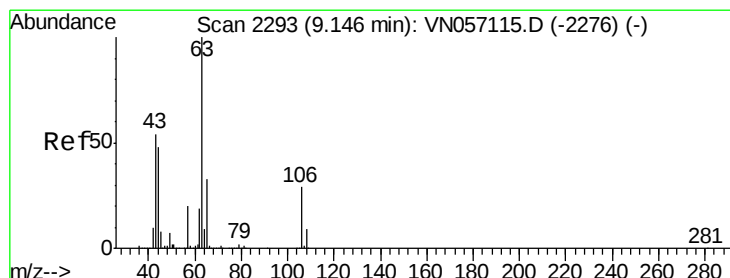
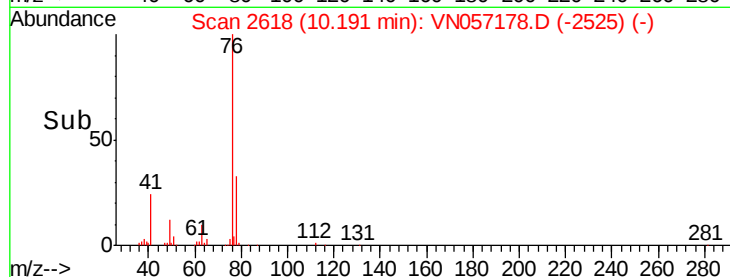
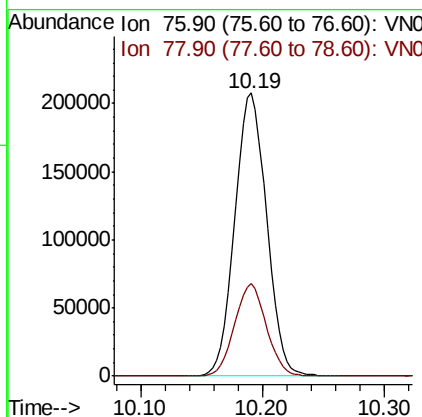
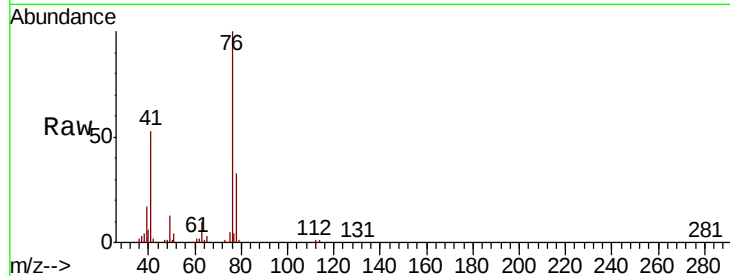




#57
 1,3-Dichloropropane
 Concen: 20.023 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

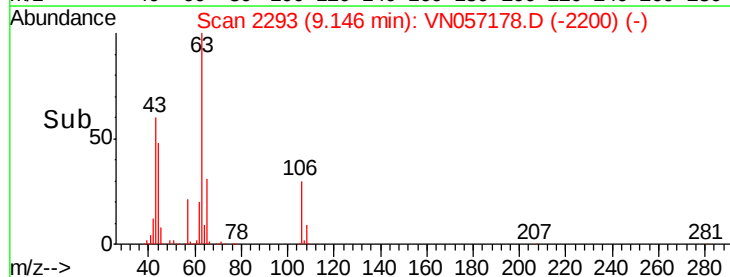
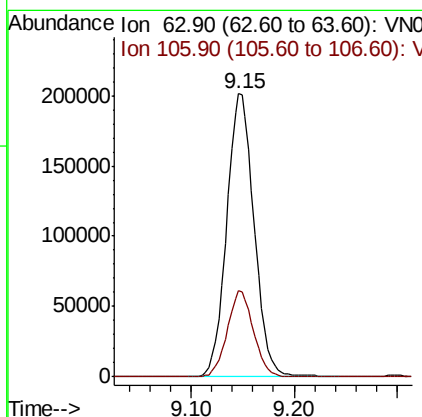
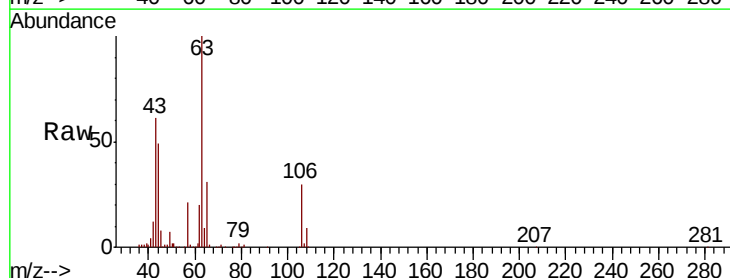
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

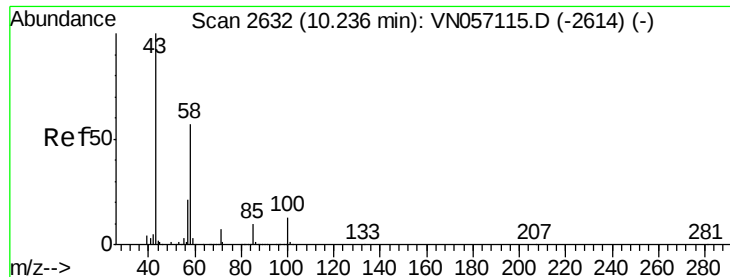
Tgt Ion: 76 Resp: 374998
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 68.696 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 63 Resp: 371919
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.6 33.8

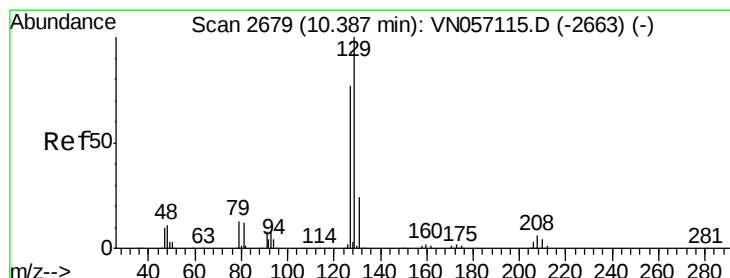
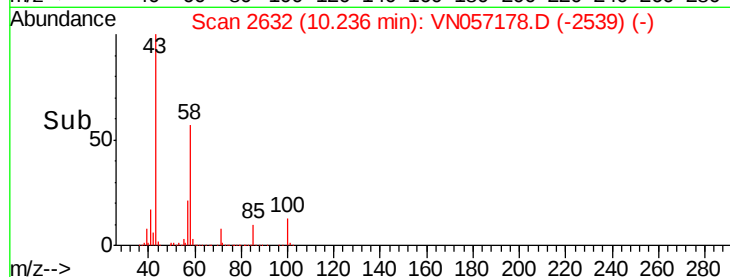
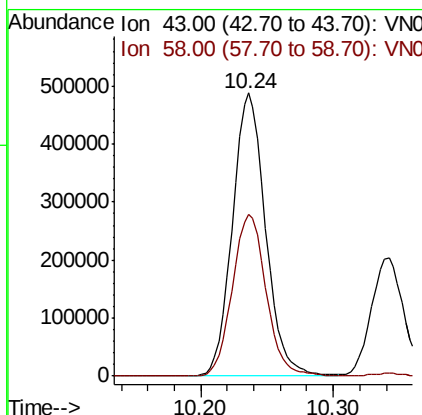
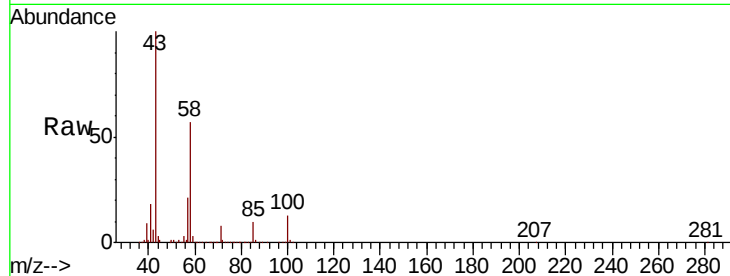




#59
2-Hexanone
Concen: 103.661 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

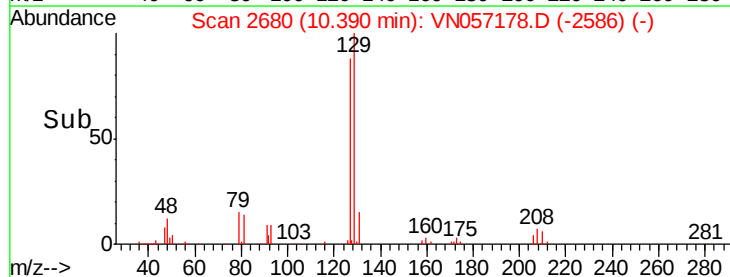
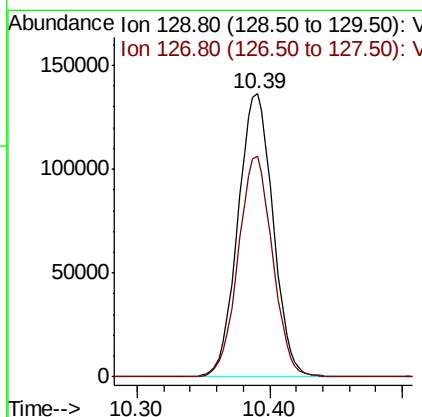
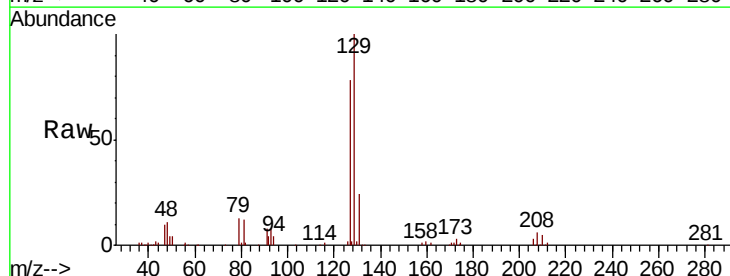
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

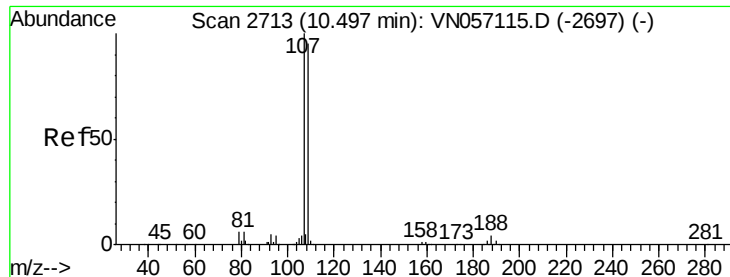
Tgt Ion: 43 Resp: 844180
Ion Ratio Lower Upper
43 100
58 58.5 29.2 87.6



#60
Dibromochloromethane
Concen: 20.995 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion: 129 Resp: 250409
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0

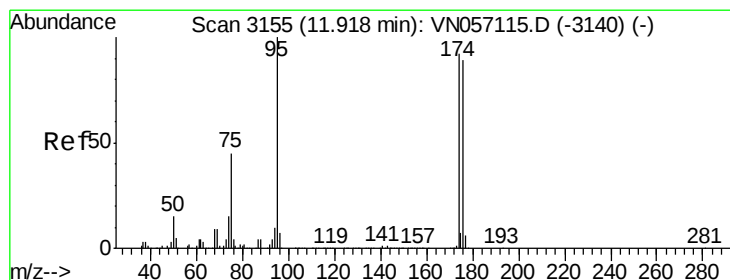
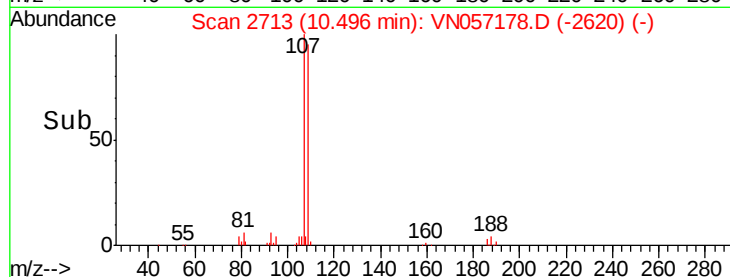
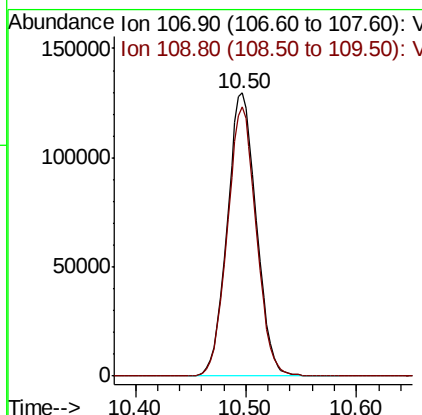
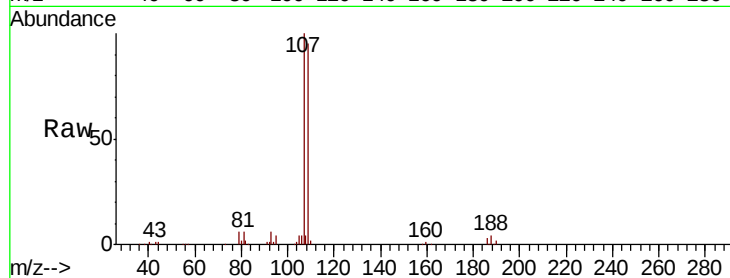




#61
 1,2-Dibromoethane
 Concen: 20.238 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

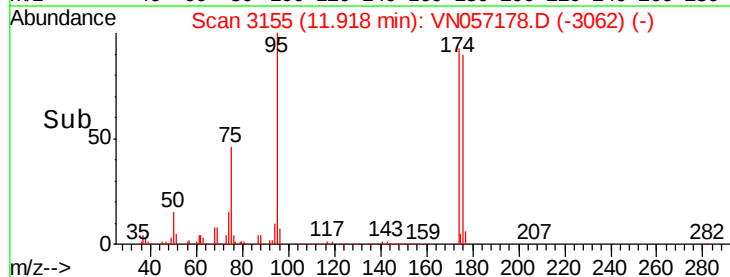
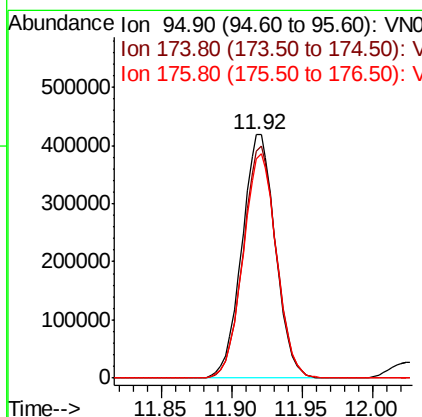
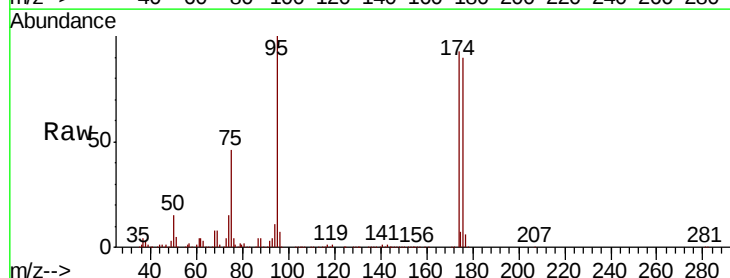
Instrument :
 MSVOA_N
 ClientSampled :
 VN0811WBS01

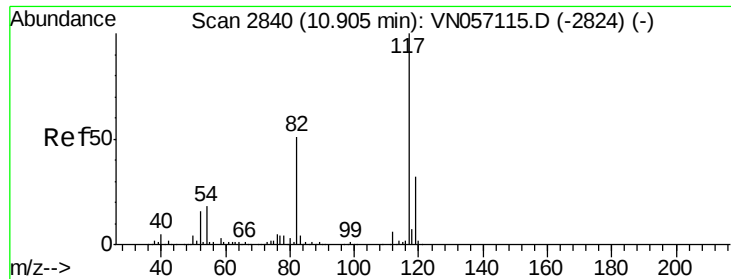
Tgt Ion: 107 Resp: 237170
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.363 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 95 Resp: 695407
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 185.0
 176 92.2 0.0 181.2

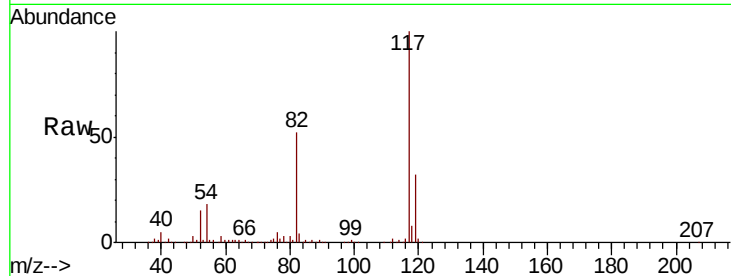




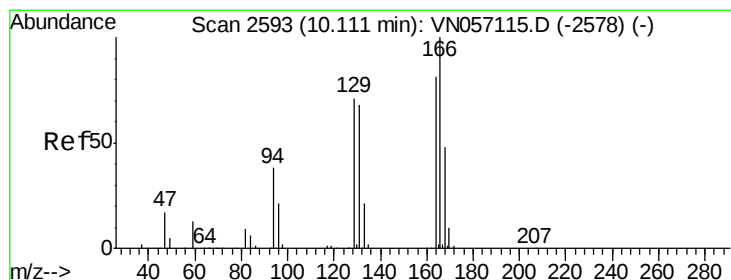
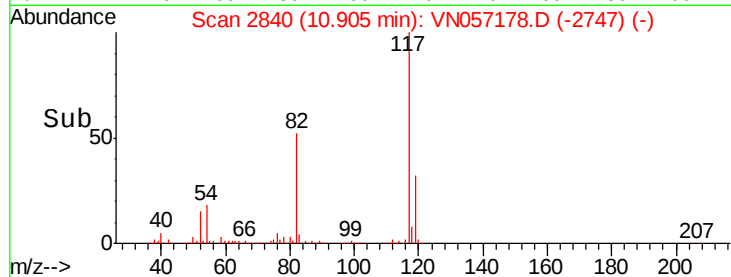
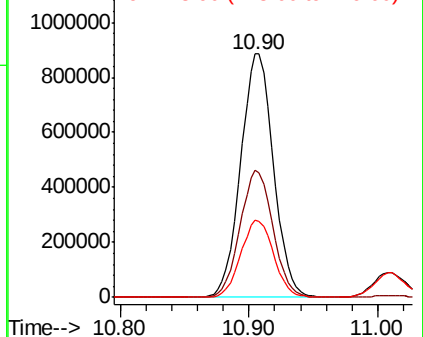
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

Tgt Ion:117 Resp: 1567131
Ion Ratio Lower Upper
117 100
82 52.1 40.8 61.2
119 31.6 25.7 38.5

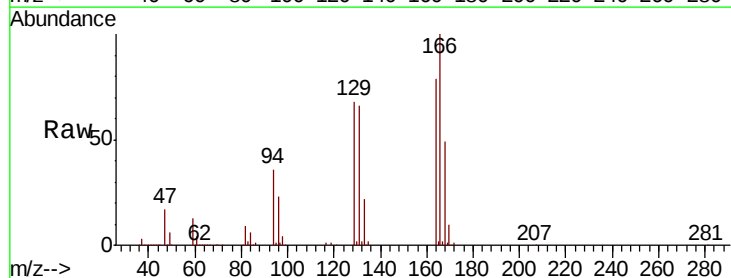


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

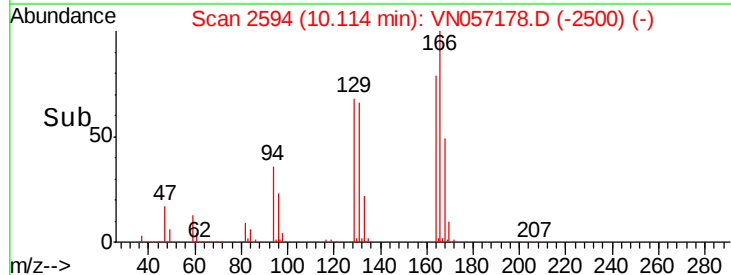
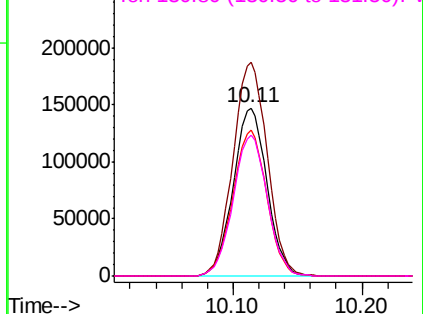


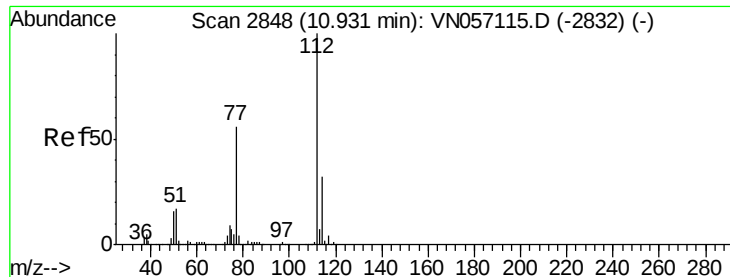
#64
Tetrachloroethene
Concen: 20.495 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion:164 Resp: 267114
Ion Ratio Lower Upper
164 100
166 126.9 98.3 147.5
129 86.5 69.8 104.6
131 84.0 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.733 ug/l

RT: 10.93 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

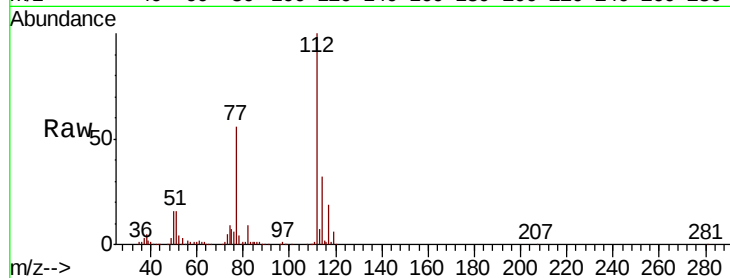
VN0811WBS01

Tgt Ion:112 Resp: 622231

Ion Ratio Lower Upper

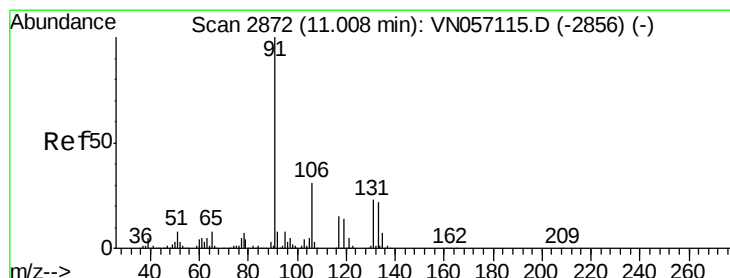
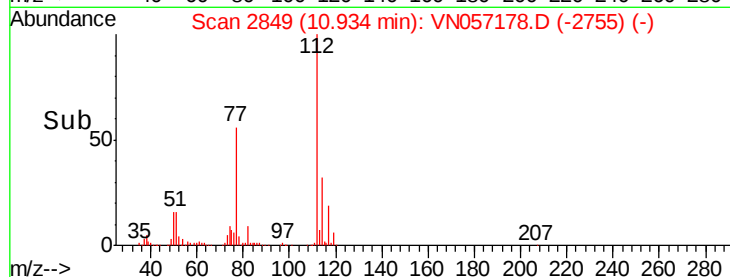
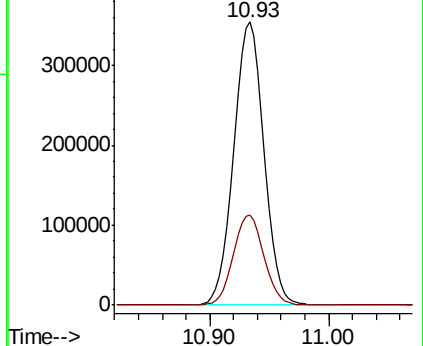
112 100

114 31.7 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.673 ug/l

RT: 11.01 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

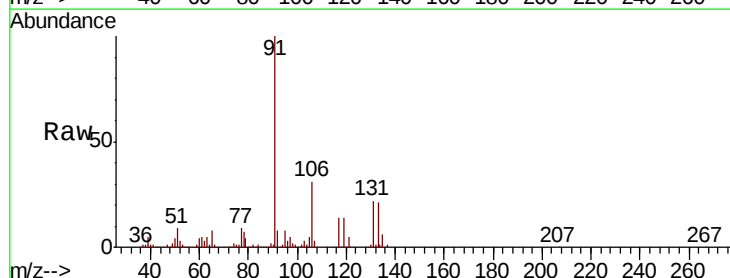
Tgt Ion:131 Resp: 243708

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

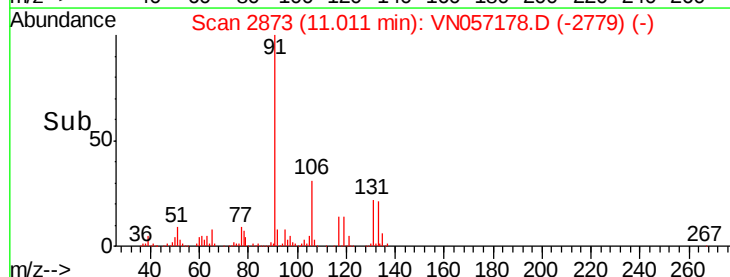
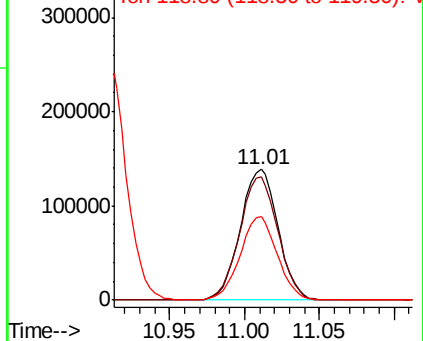
119 63.2 32.6 97.7

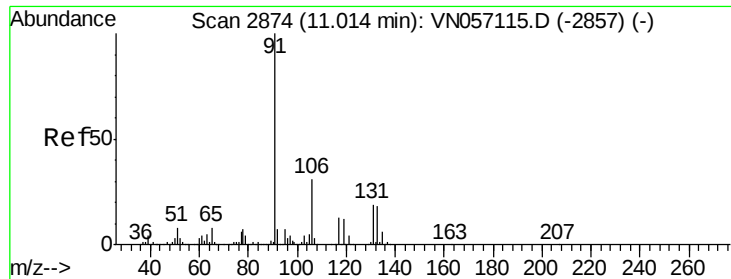


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.733 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

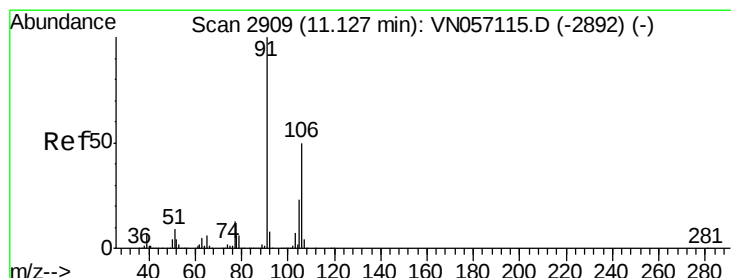
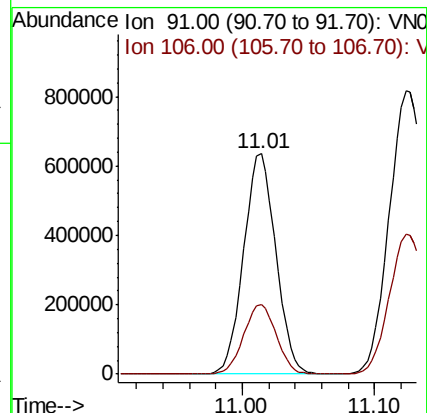
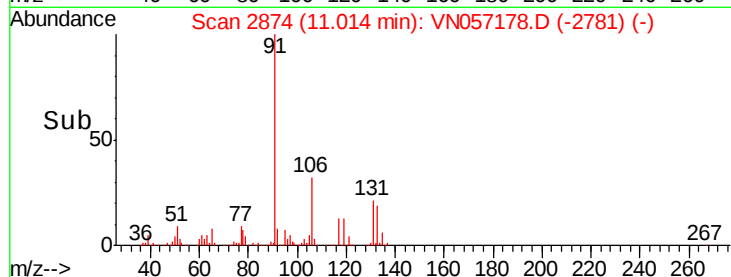
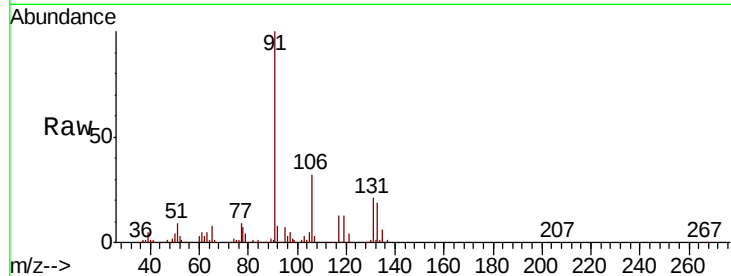
VN0811WBS01

Tgt Ion: 91 Resp: 1070922

Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4



#68

m/p-Xylenes

Concen: 40.086 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057178.D

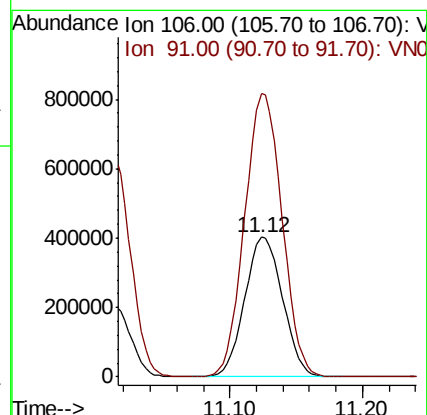
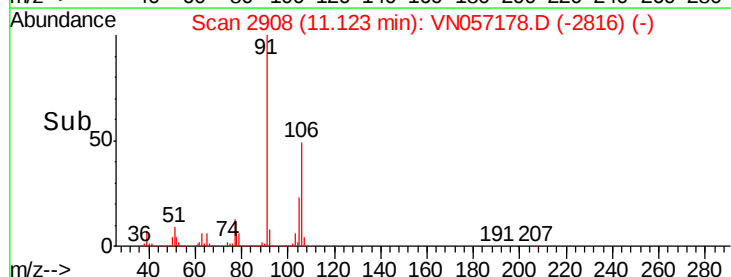
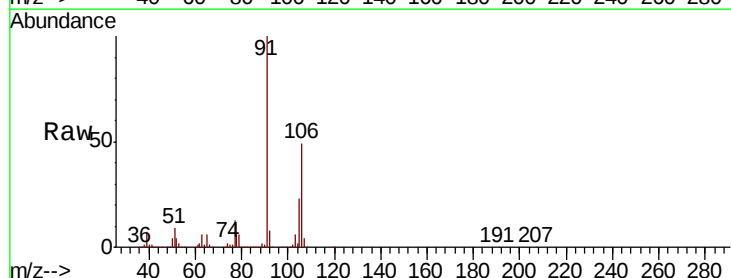
Acq: 11 Aug 2019 11:25

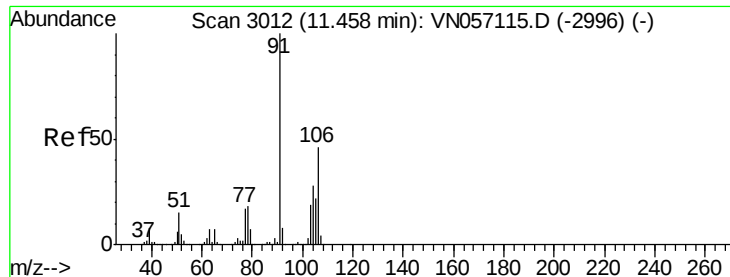
Tgt Ion: 106 Resp: 801454

Ion Ratio Lower Upper

106 100

91 200.1 159.8 239.8

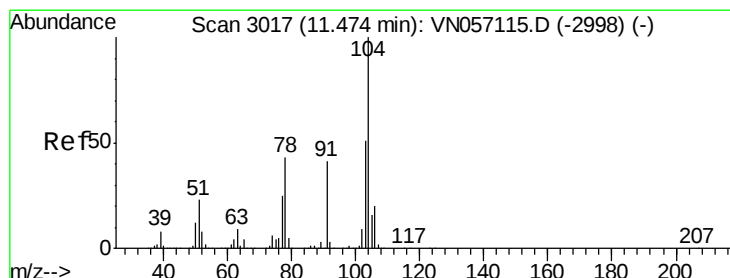
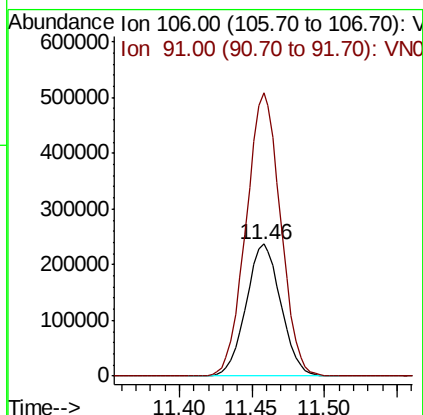
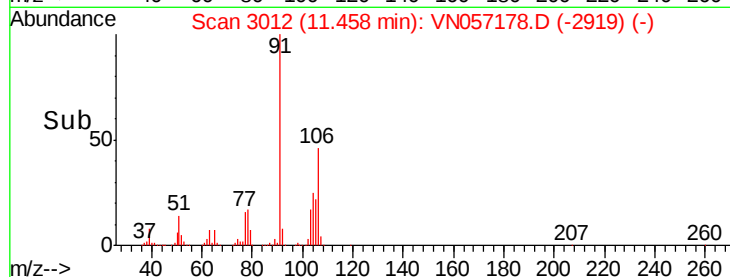
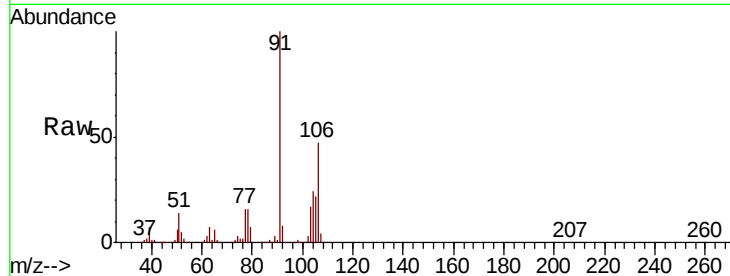




#69
o-Xylene
Concen: 19.924 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

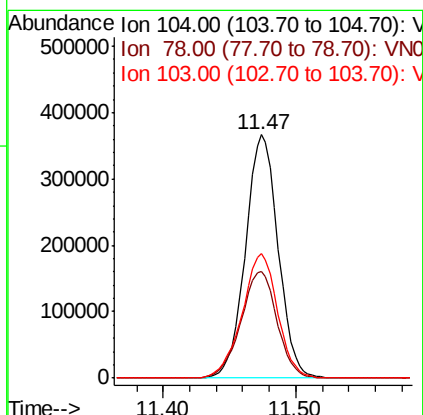
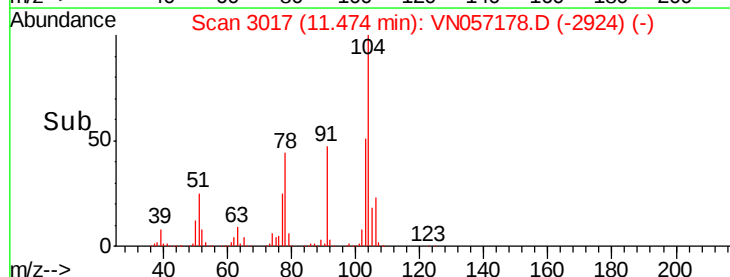
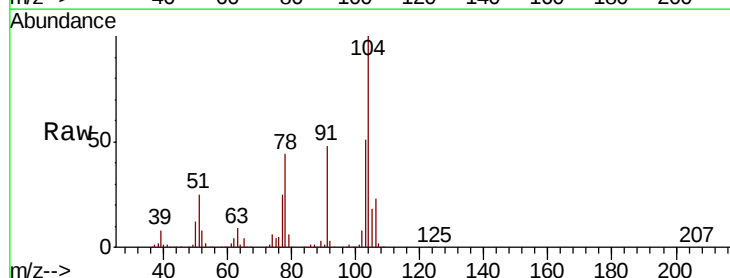
Instrument :
MSVOA_N
ClientSampleId :
VN0811WBS01

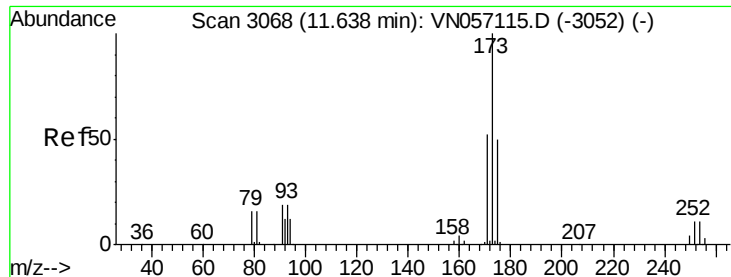
Tgt Ion:106 Resp: 396450
Ion Ratio Lower Upper
106 100
91 212.0 106.8 320.5



#70
Styrene
Concen: 20.118 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion:104 Resp: 625257
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 55.6 44.6 66.8

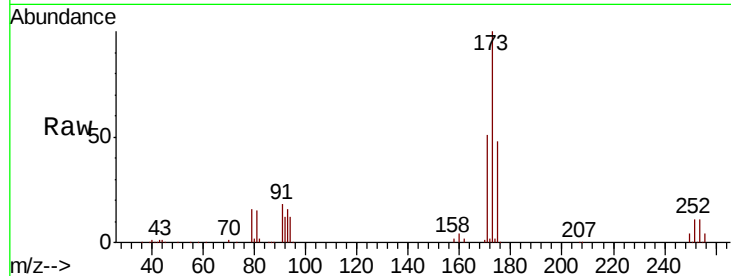




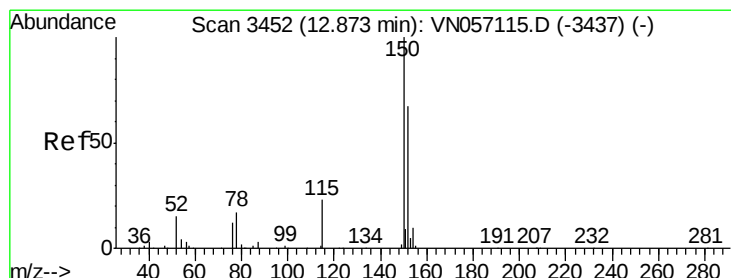
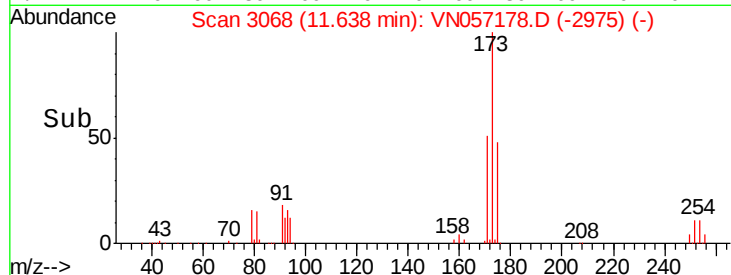
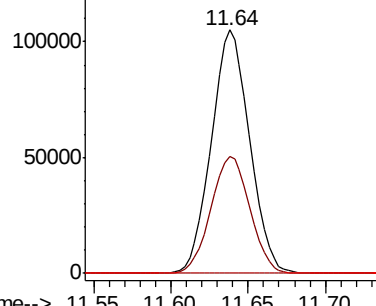
#71
Bromoform
Concen: 20.922 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Instrument :
MSVOA_N
ClientSampled :
VN0811WBS01

Tgt Ion:173 Resp: 180668
Ion Ratio Lower Upper
173 100
175 48.8 24.6 73.8
254 0.0 0.1 0.1#

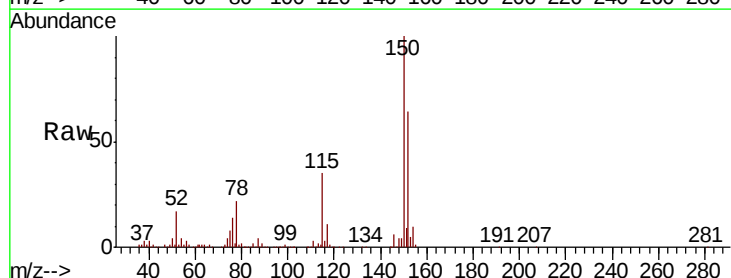


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

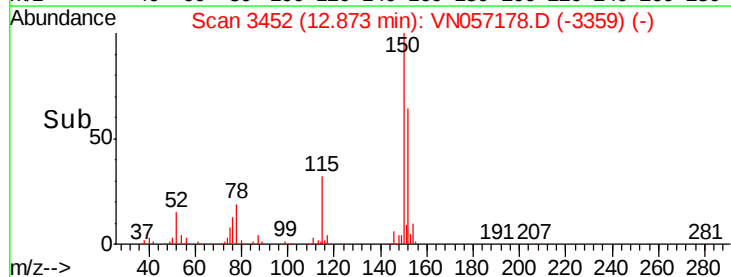
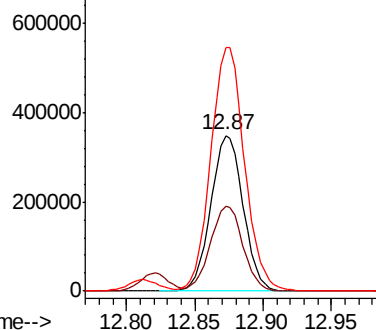


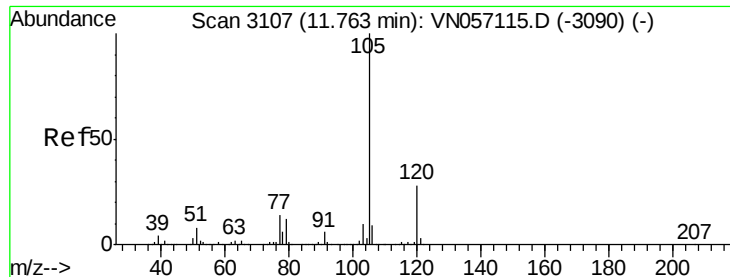
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. -0.00 min
Lab File: VN057178.D
Acq: 11 Aug 2019 11:25

Tgt Ion:152 Resp: 573697
Ion Ratio Lower Upper
152 100
115 54.4 27.5 82.5
150 163.3 0.0 341.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.036 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

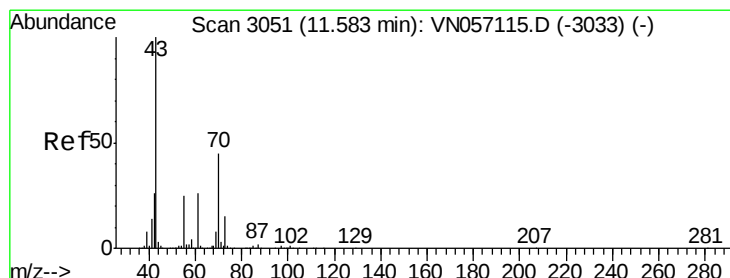
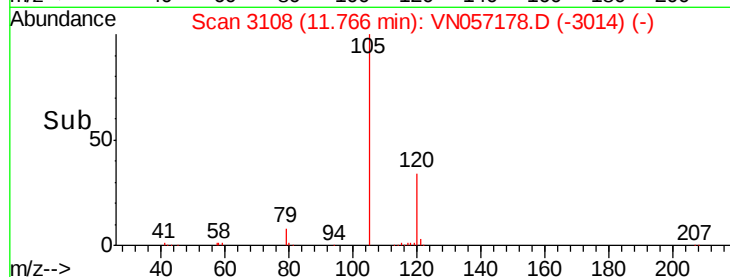
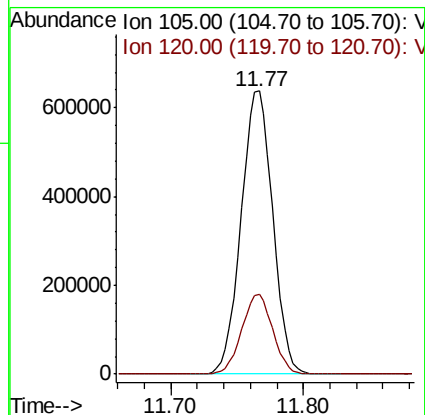
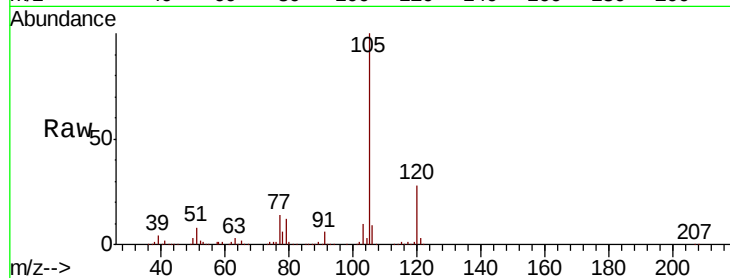
VN0811WBS01

Tgt Ion:105 Resp: 1054372

Ion Ratio Lower Upper

105 100

120 27.6 13.7 41.0



#74

N-ethyl acetate

Concen: 19.562 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Tgt Ion: 43 Resp: 284385

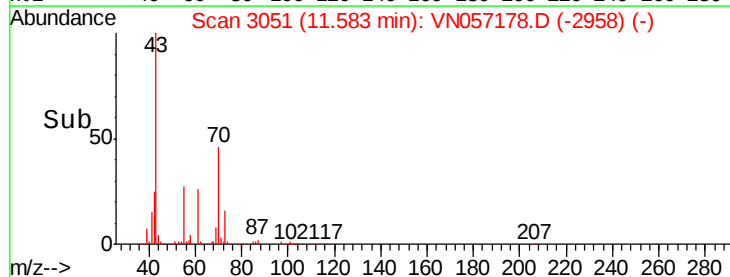
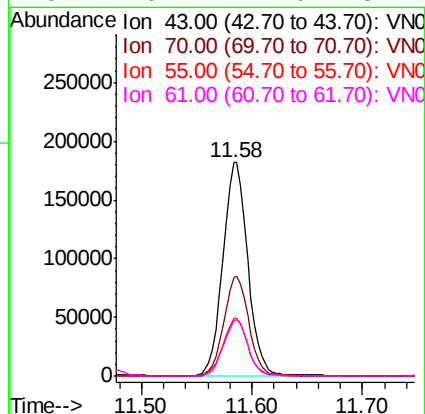
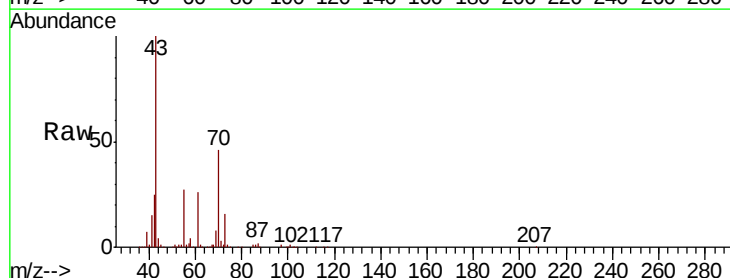
Ion Ratio Lower Upper

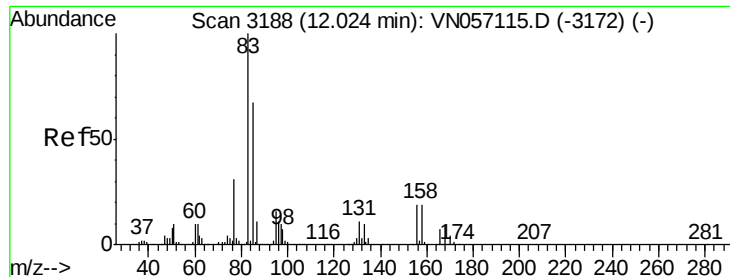
43 100

70 46.8 36.8 55.2

55 26.9 20.6 31.0

61 26.1 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.788 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

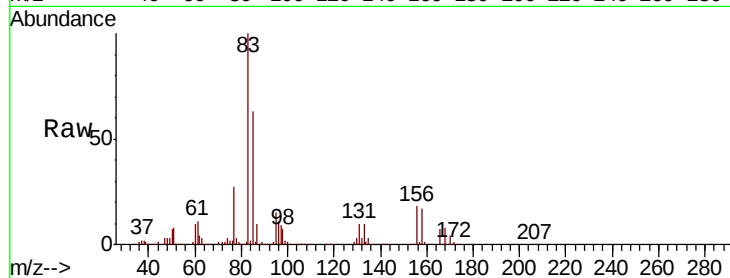
Tgt Ion: 83 Resp: 302359

Ion Ratio Lower Upper

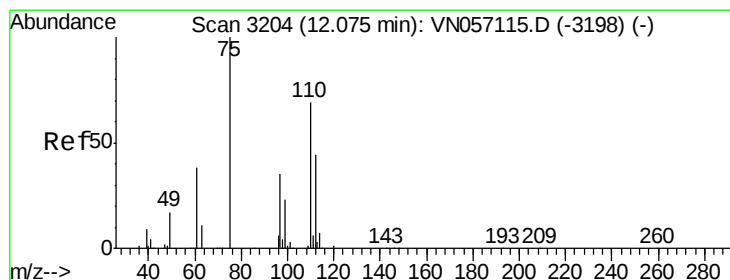
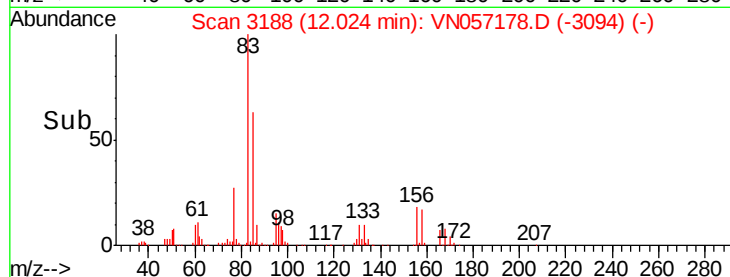
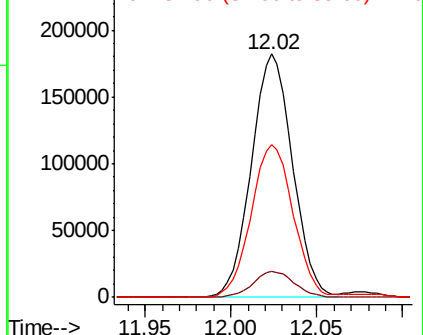
83 100

131 10.8 5.5 16.4

85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.704 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057178.D

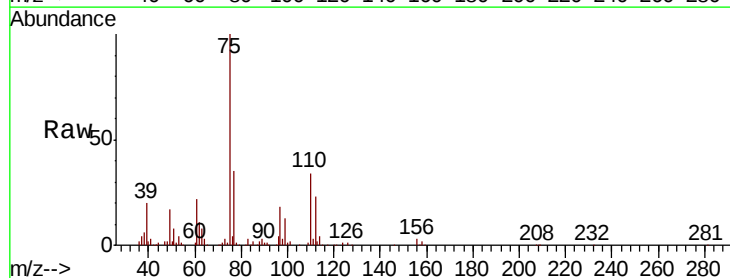
Acq: 11 Aug 2019 11:25

Tgt Ion: 75 Resp: 356612

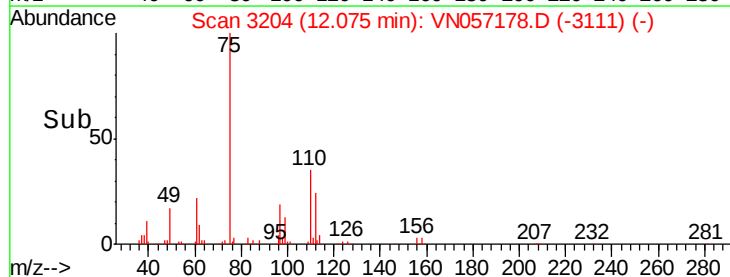
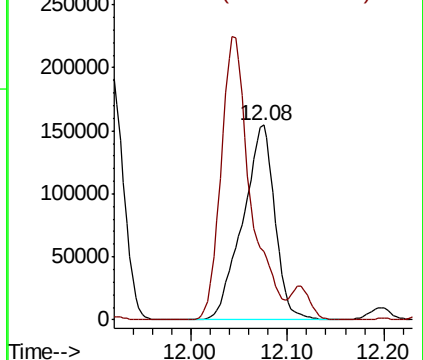
Ion Ratio Lower Upper

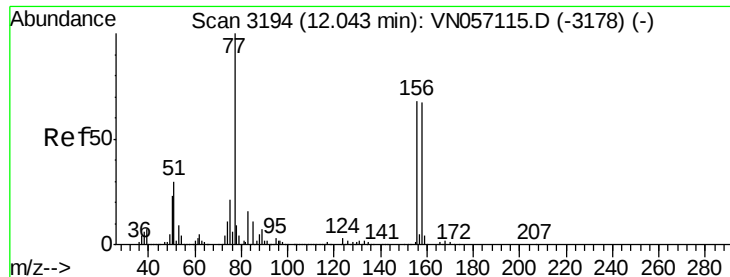
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.737 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

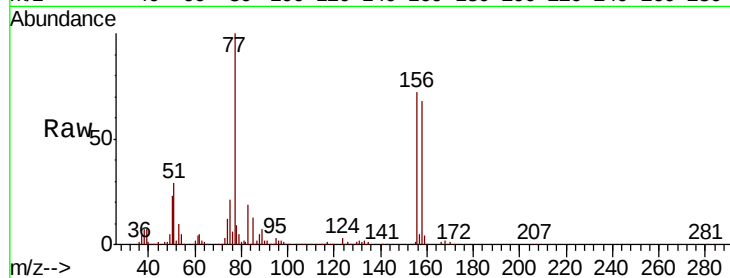
Tgt Ion:156 Resp: 272168

Ion Ratio Lower Upper

156 100

77 175.1 88.7 266.1

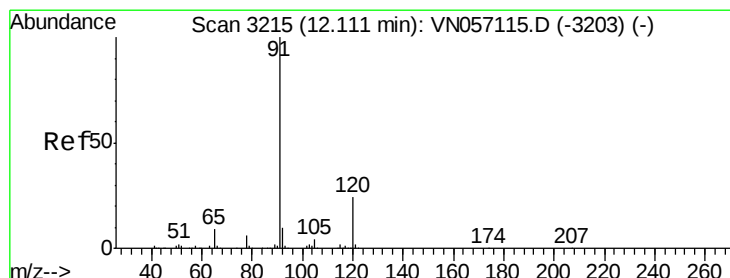
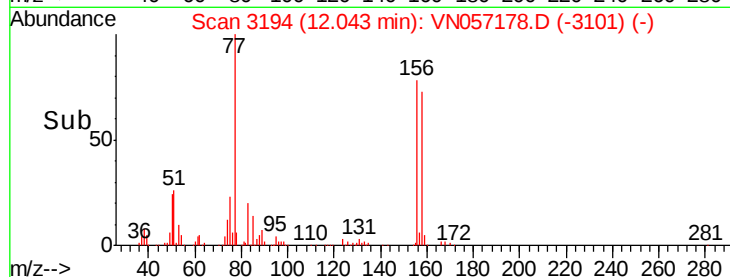
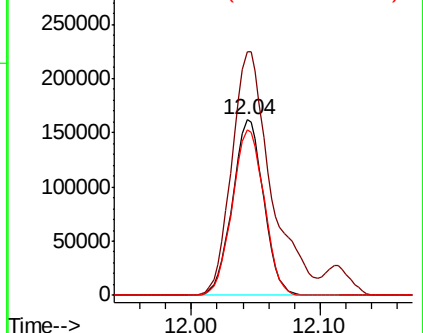
158 96.7 49.3 147.8



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: 19.531 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057178.D

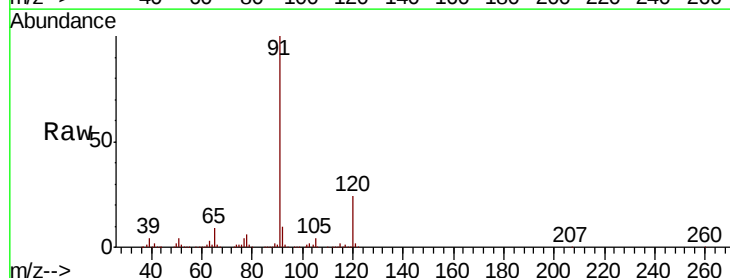
Acq: 11 Aug 2019 11:25

Tgt Ion: 91 Resp: 1074933

Ion Ratio Lower Upper

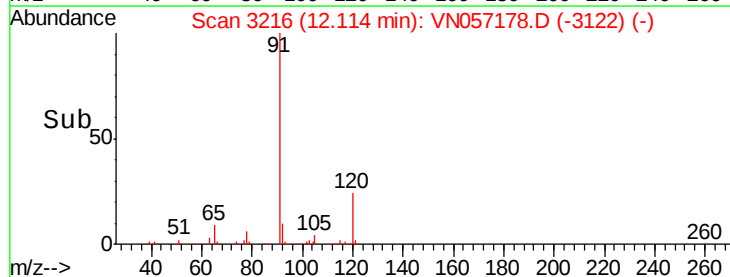
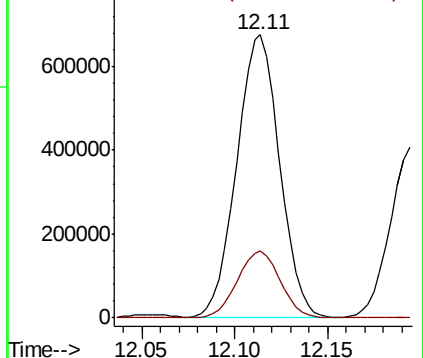
91 100

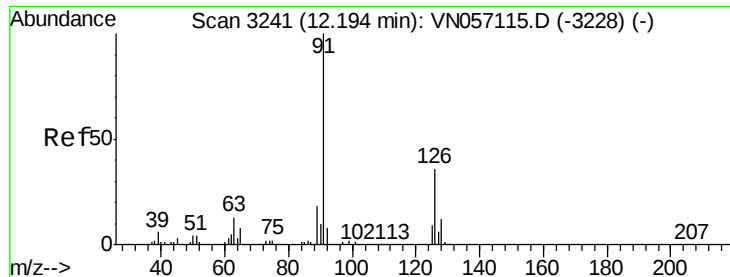
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

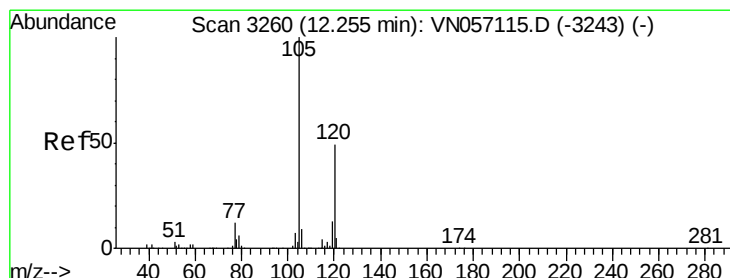
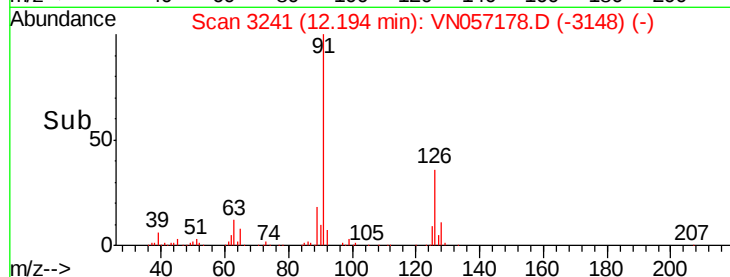
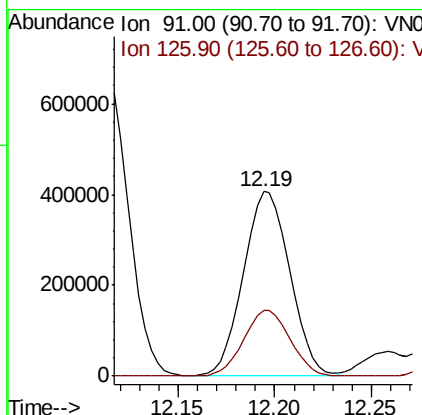
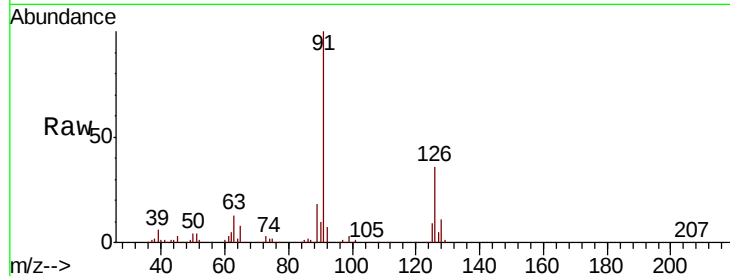




#79
 2-Chlorotoluene
 Concen: 20.940 ug/l
 RT: 12.19 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

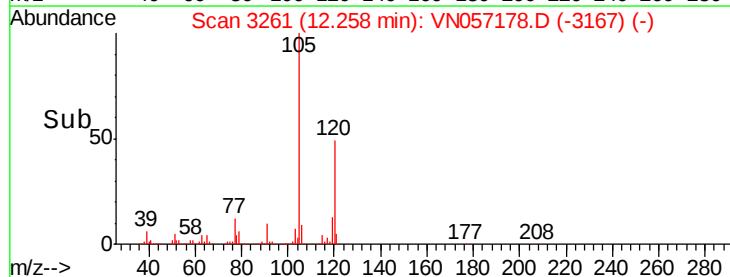
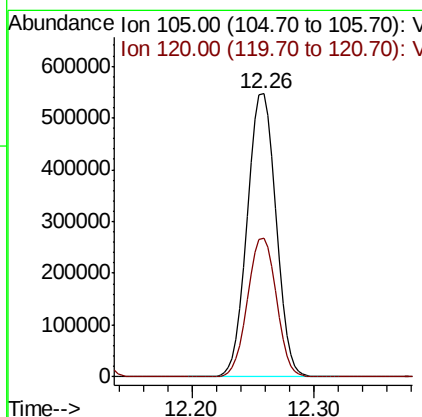
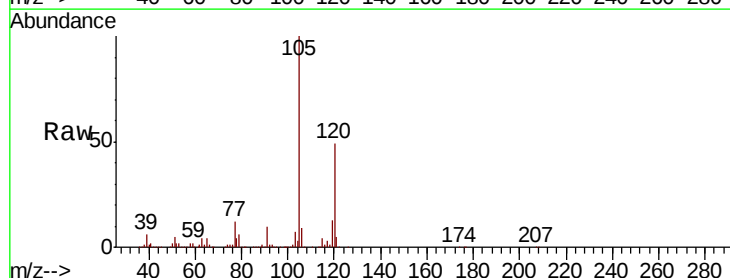
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

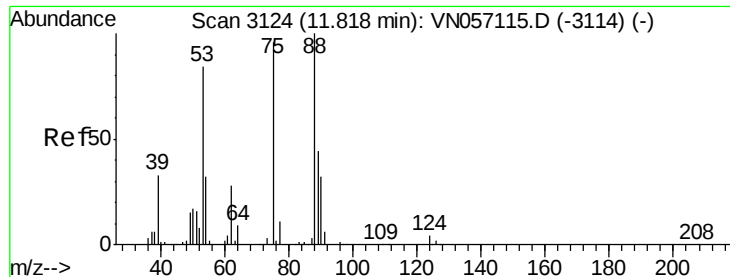
Tgt Ion: 91 Resp: 676787
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.1 54.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.008 ug/l
 RT: 12.26 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion: 105 Resp: 886190
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.606 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0811WBS01

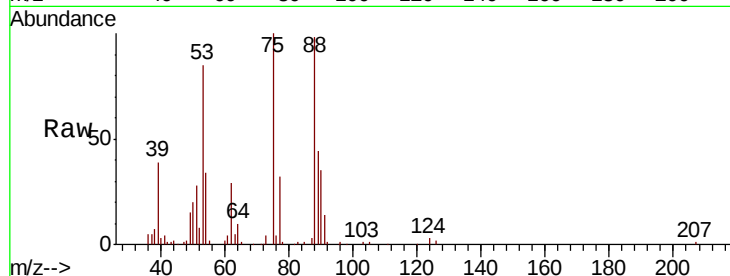
Tgt Ion: 75 Resp: 84303

Ion Ratio Lower Upper

75 100

53 87.7 70.6 106.0

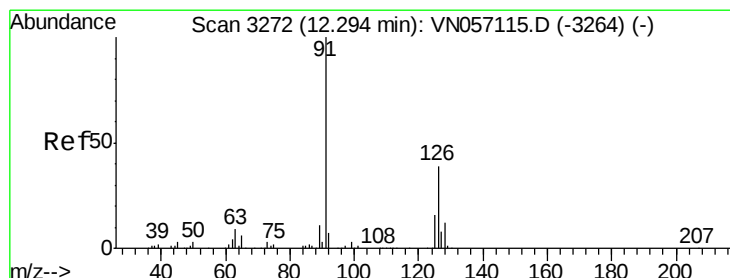
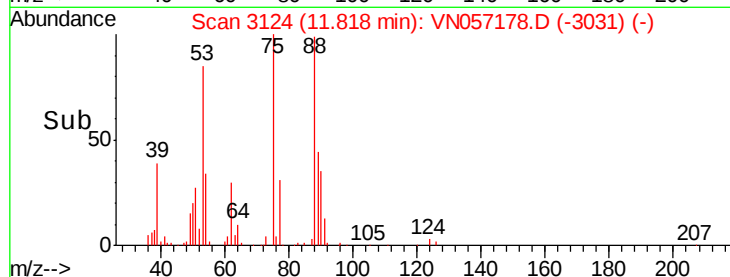
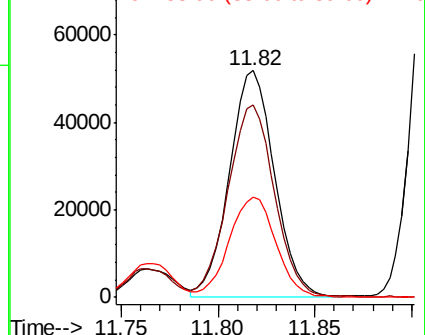
89 45.4 36.4 54.6



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: 19.691 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057178.D

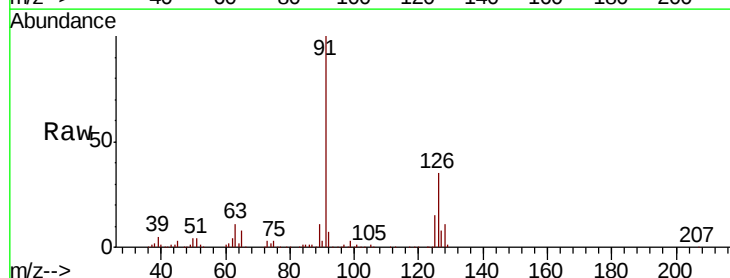
Acq: 11 Aug 2019 11:25

Tgt Ion: 91 Resp: 627512

Ion Ratio Lower Upper

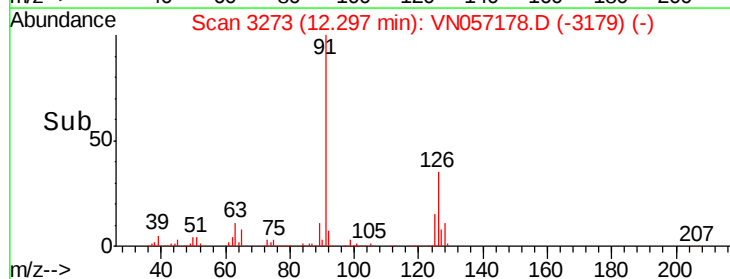
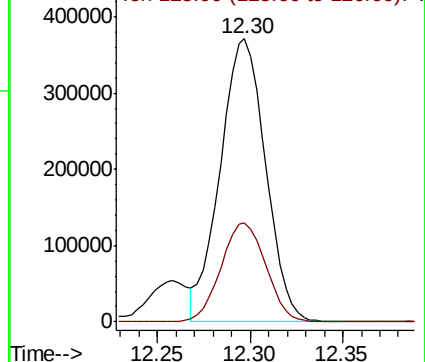
91 100

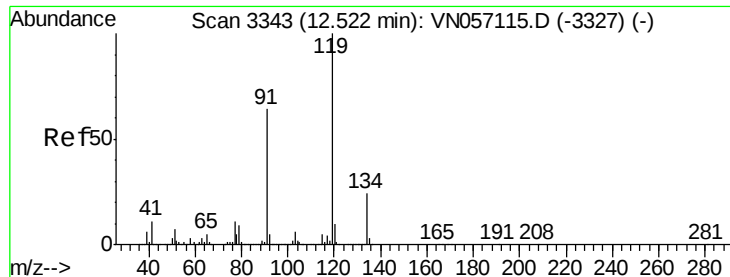
126 34.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

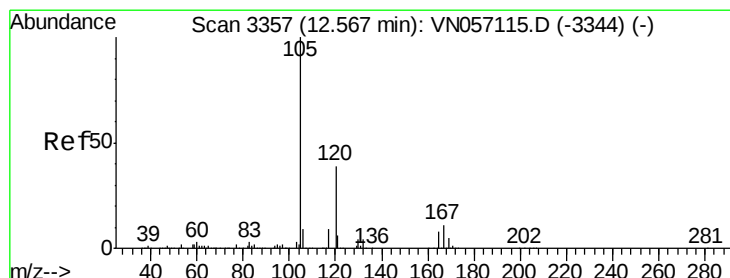
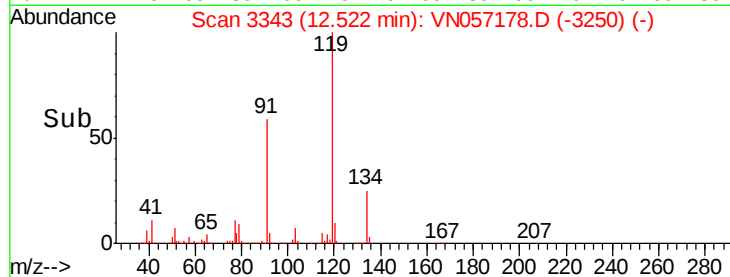
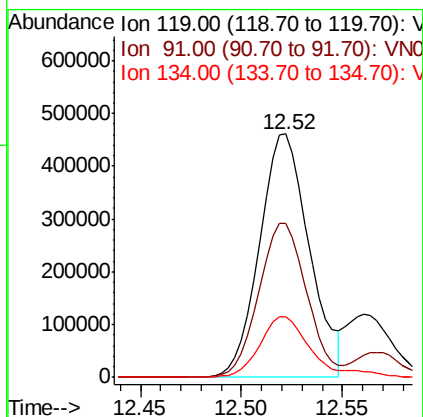
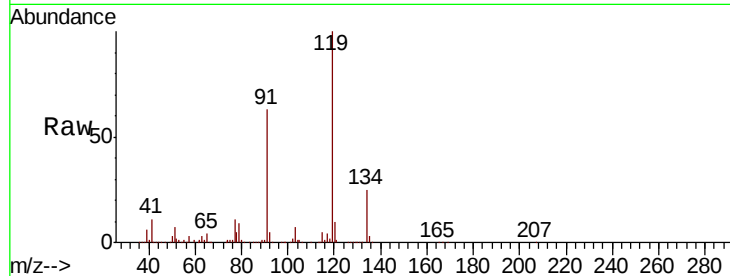




#83
 tert-Butylbenzene
 Concen: 21.481 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

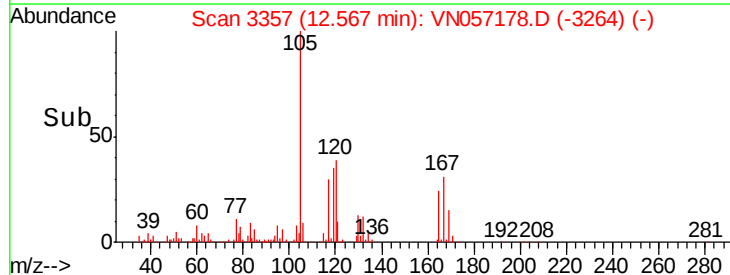
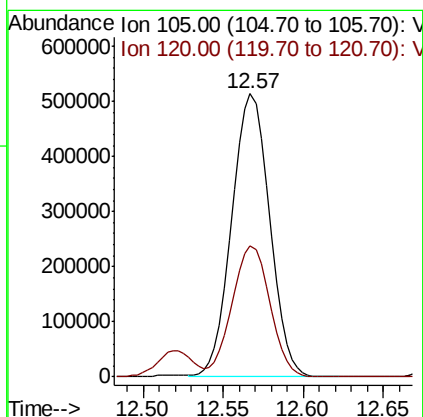
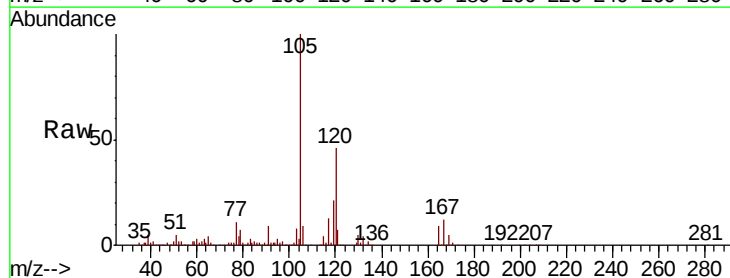
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

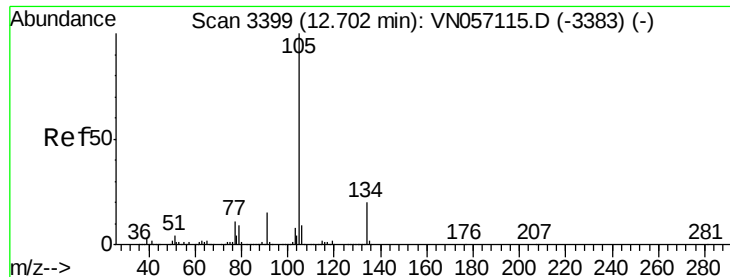
Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.4	94.2
134	24.2	13.2	39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.298 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.8

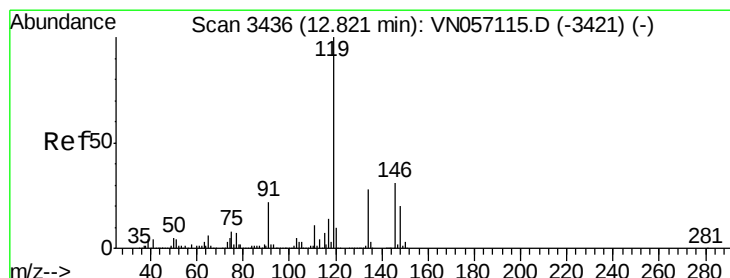
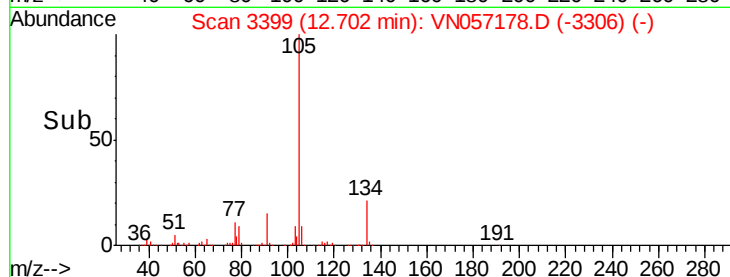
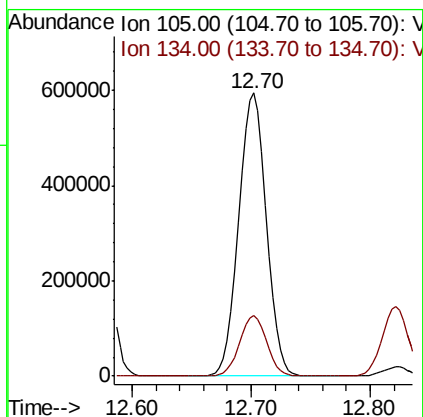
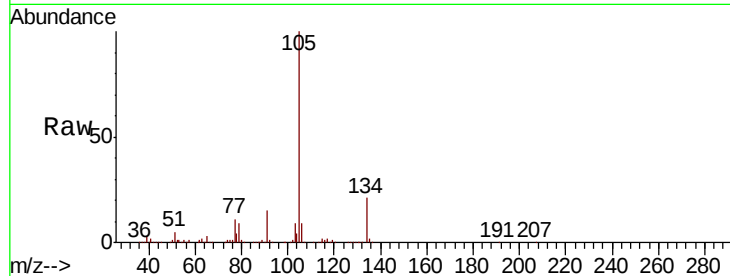




#85
 sec-Butylbenzene
 Concen: 19.074 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

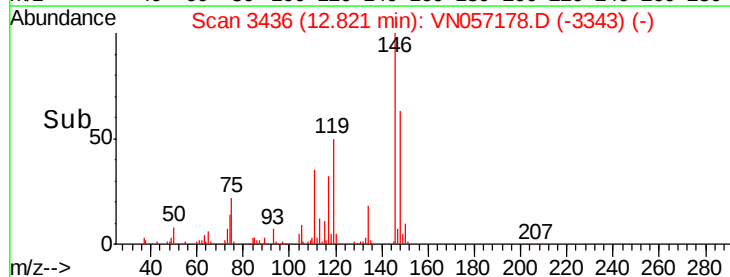
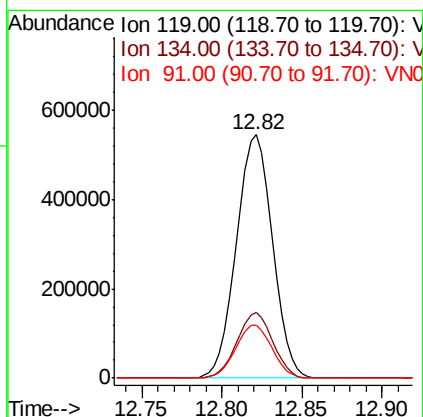
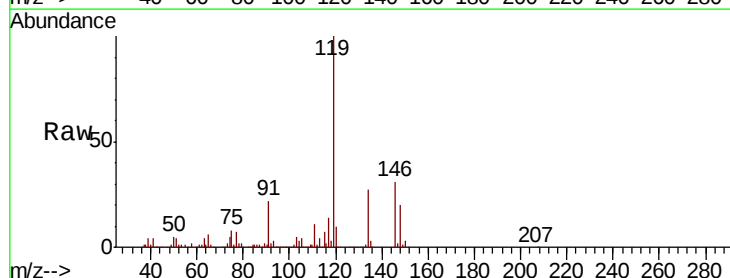
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0811WBS01

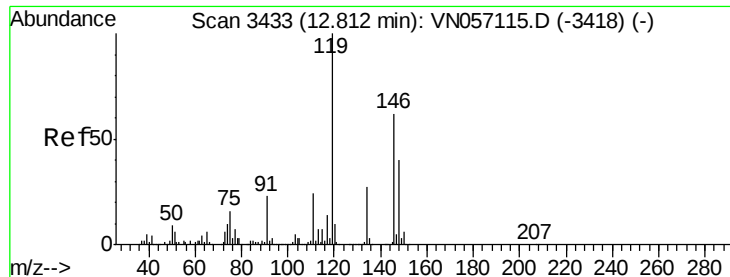
Tgt Ion:105 Resp: 953401
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.088 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion:119 Resp: 837167
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.8 41.3
 91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 19.960 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

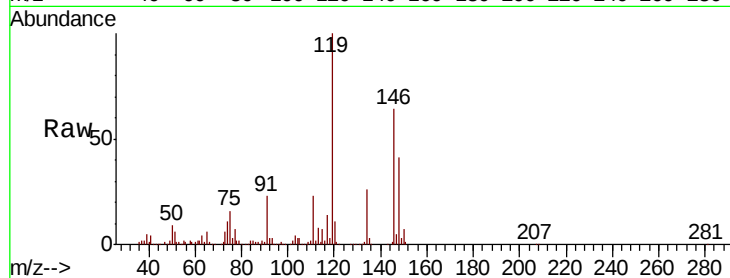
Tgt Ion:146 Resp: 391852

Ion Ratio Lower Upper

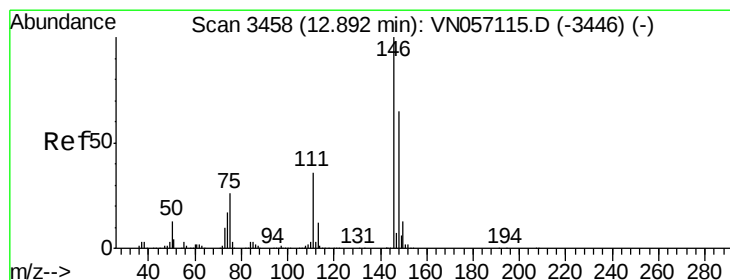
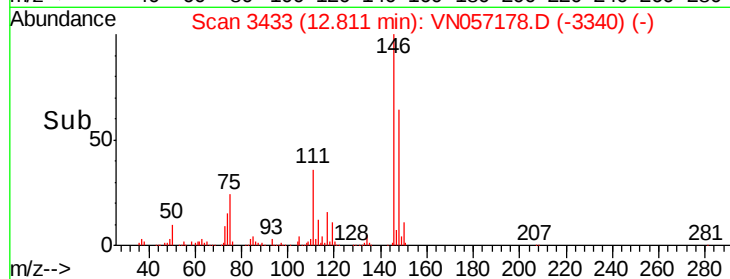
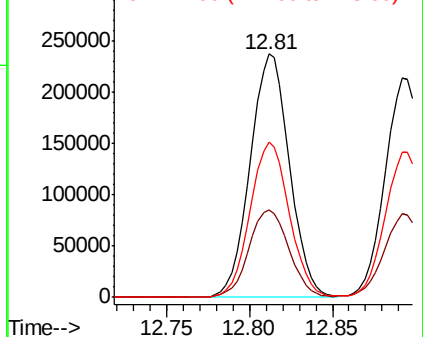
146 100

111 36.6 18.8 56.4

148 63.5 32.4 97.0



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



#88

1,4-Dichlorobenzene

Concen: 19.189 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

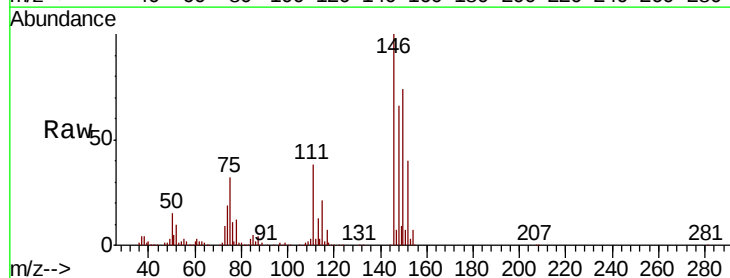
Tgt Ion:146 Resp: 356929

Ion Ratio Lower Upper

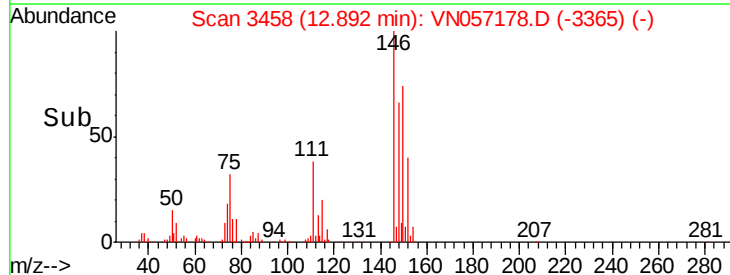
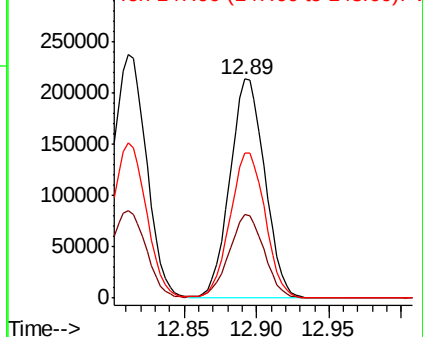
146 100

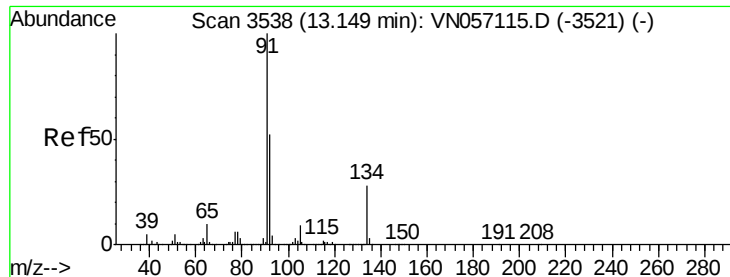
111 38.4 18.2 54.6

148 66.7 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: 19.777 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0811WBS01

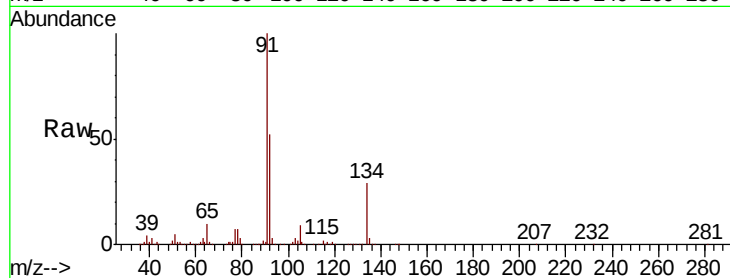
Tgt Ion: 91 Resp: 599287

Ion Ratio Lower Upper

91 100

92 52.0 26.5 79.4

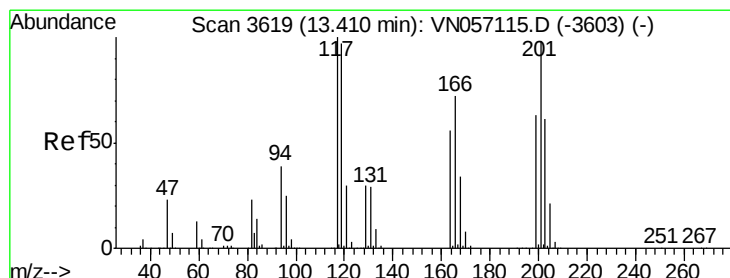
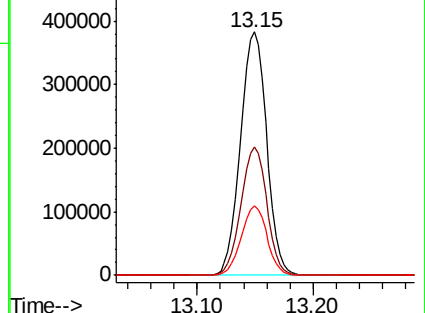
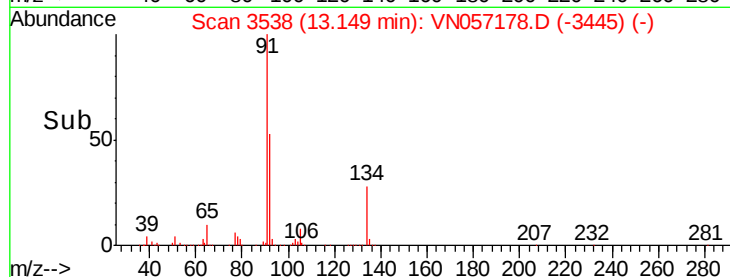
134 27.9 14.1 42.3



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: 21.513 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057178.D

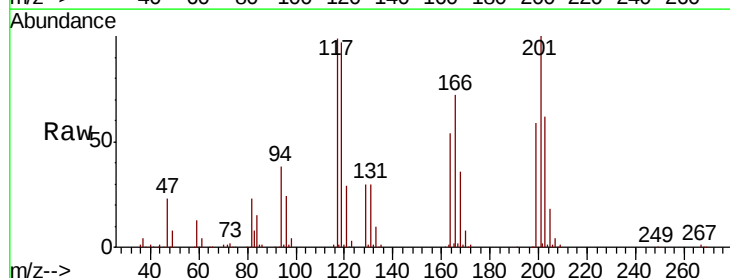
Acq: 11 Aug 2019 11:25

Tgt Ion: 117 Resp: 153806

Ion Ratio Lower Upper

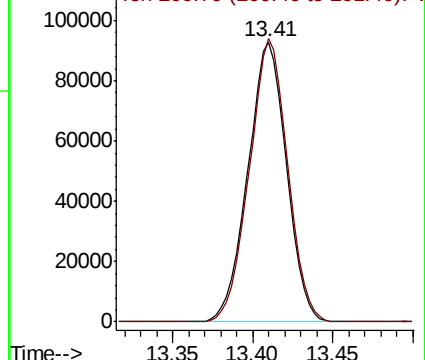
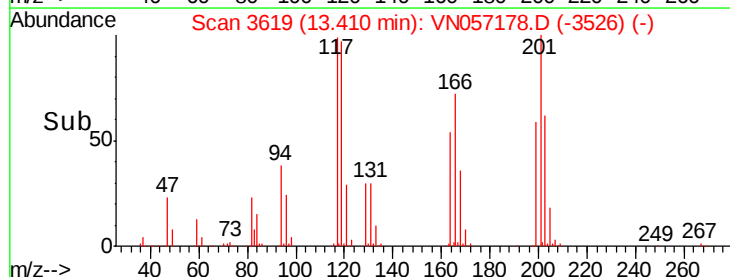
117 100

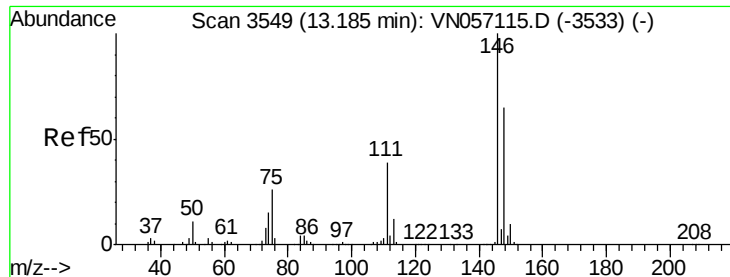
201 100.2 49.3 147.8



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

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





#91

1,2-Dichlorobenzene

Concen: 19.686 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

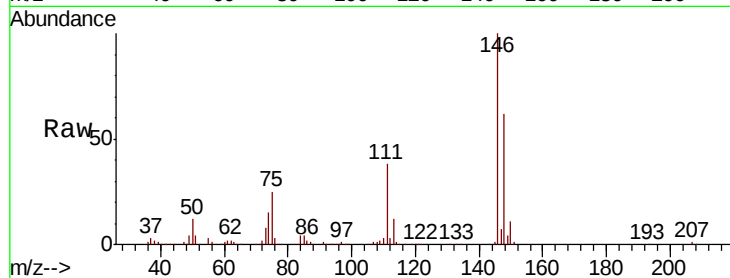
Tgt Ion:146 Resp: 385913

Ion Ratio Lower Upper

146 100

111 38.6 19.2 57.6

148 63.7 32.4 97.0

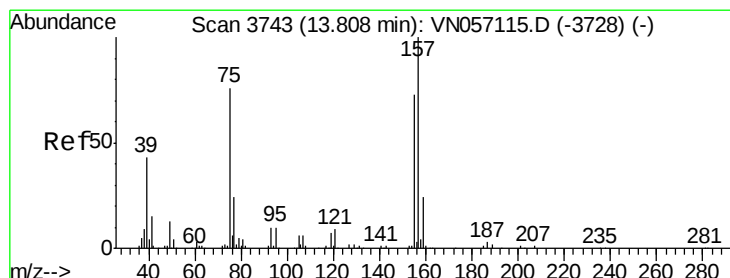
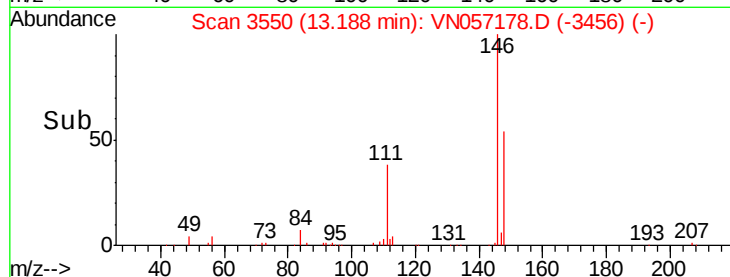
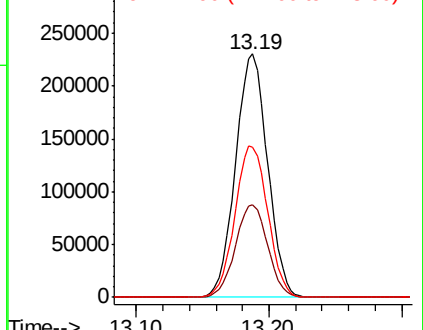


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.066 ug/l

RT: 13.81 min Scan# 3743

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

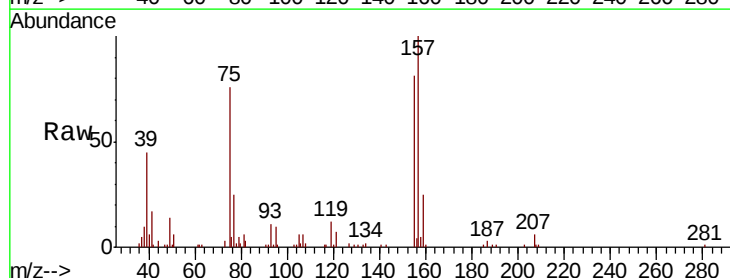
Tgt Ion: 75 Resp: 36433

Ion Ratio Lower Upper

75 100

155 105.4 49.3 147.9

157 131.2 65.3 195.8

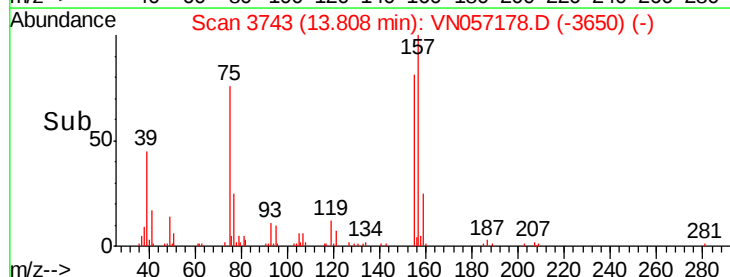
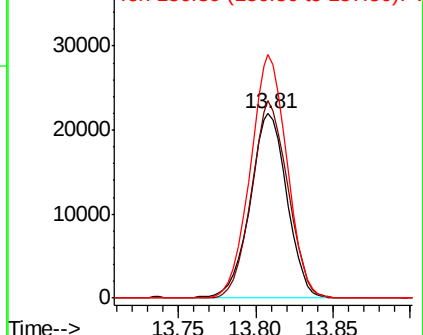


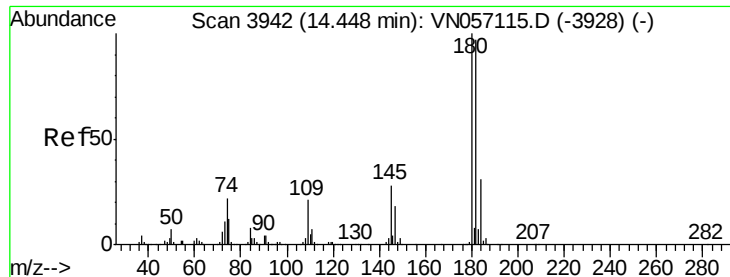
Abundance

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

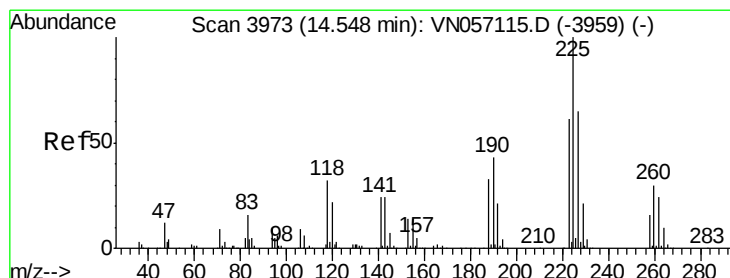
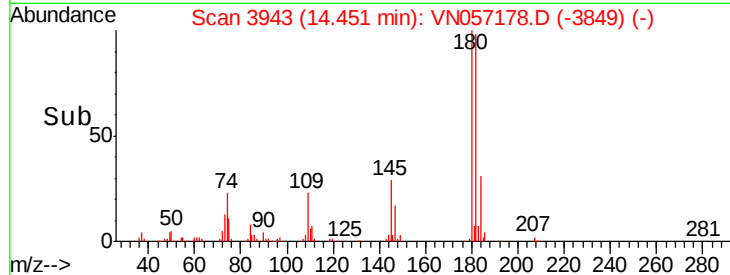
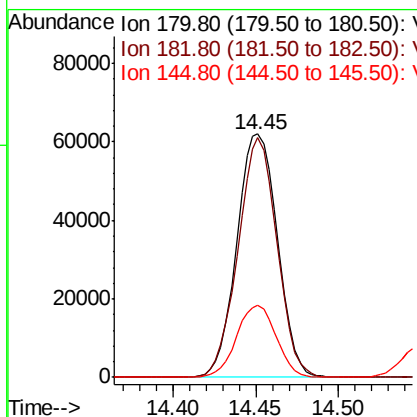
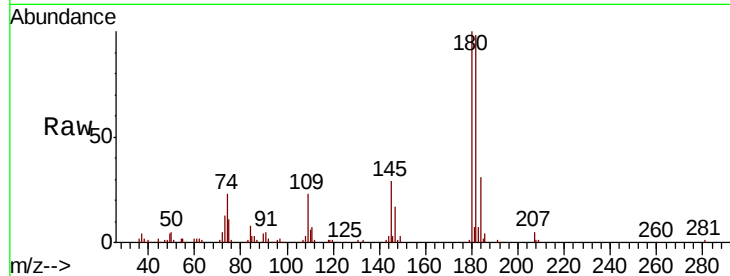




#93
 1,2,4-Trichlorobenzene
 Concen: 17.145 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

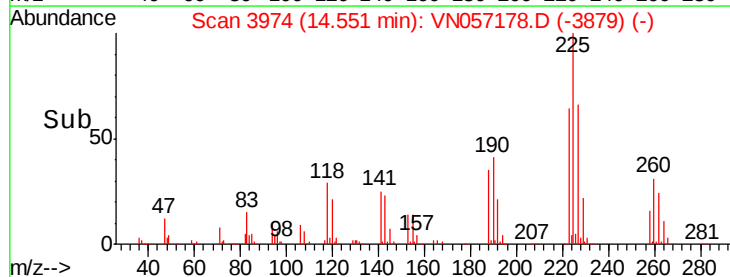
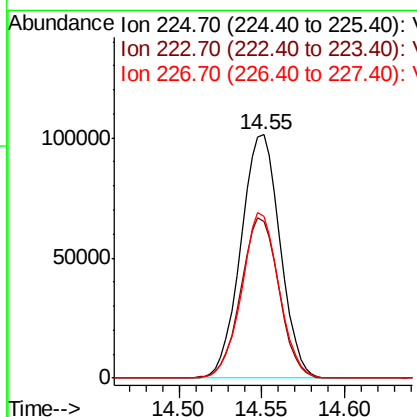
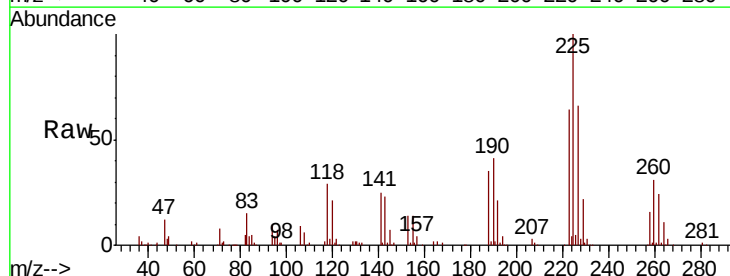
Instrument :
 MSVOA_N
 ClientSampled :
 VN0811WBS01

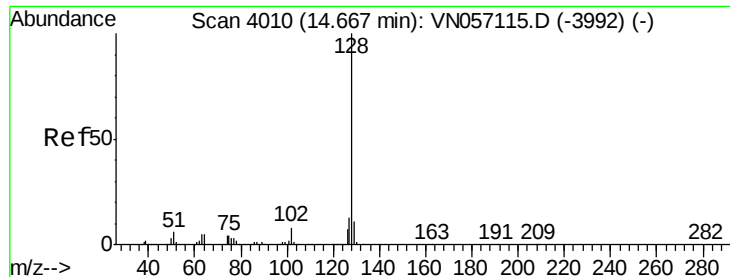
Tgt Ion:180 Resp: 105794
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.5 142.6
 145 28.9 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 22.232 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057178.D
 Acq: 11 Aug 2019 11:25

Tgt Ion:225 Resp: 166420
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.9 92.8
 227 64.7 32.4 97.0





#95

Naphthalene

Concen: 15.330 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0811WBS01

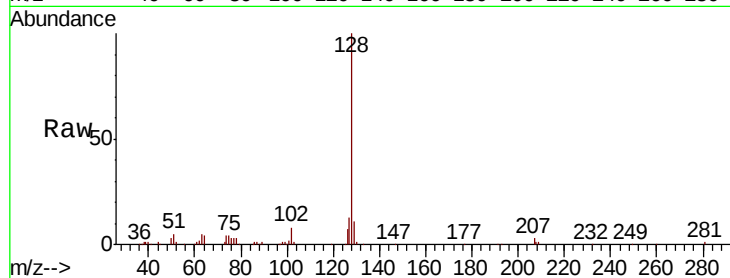
Tgt Ion:128 Resp: 194299

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

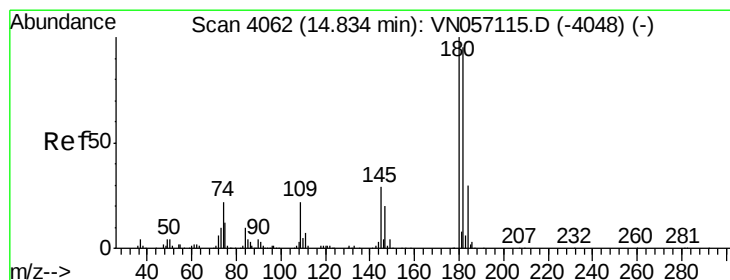
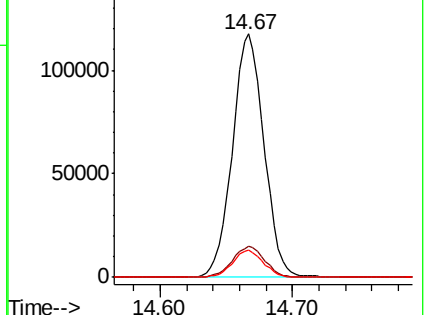
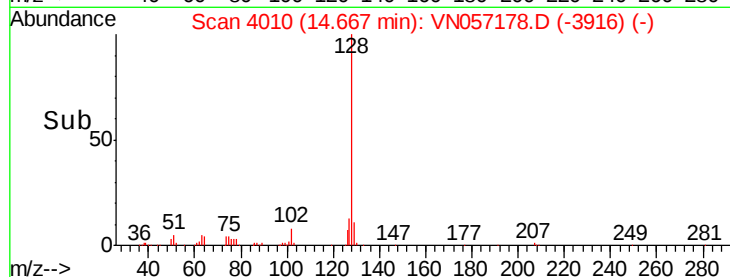
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.585 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057178.D

Acq: 11 Aug 2019 11:25

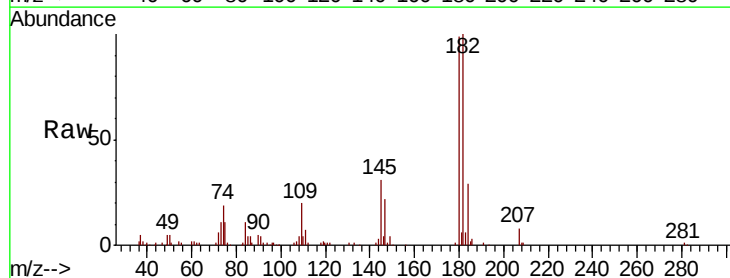
Tgt Ion:180 Resp: 105492

Ion Ratio Lower Upper

180 100

182 97.3 48.3 144.8

145 30.7 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

