

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
 Data File : VN059577.D
 Acq On : 12 Dec 2019 16:13
 Operator : JC/SP
 Sample : VN1212WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Quant Time: Dec 13 04:07:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	273735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	448892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	398575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179631	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	192473	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.57	113	137990	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.08	98	527872	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	187480	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.84	85	59360	18.801	ug/l 99
3) Chloromethane	2.04	50	92100	19.270	ug/l 98
4) Vinyl Chloride	2.17	62	91104	19.339	ug/l 100
5) Bromomethane	2.54	94	55883	19.476	ug/l 97
6) Chloroethane	2.68	64	54874	19.507	ug/l 99
7) Trichlorofluoromethane	3.00	101	111276	19.760	ug/l 100
8) Diethyl Ether	3.39	74	35840	18.571	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57635	19.666	ug/l 98
10) Methyl Iodide	3.93	142	68047	17.147	ug/l 99
11) Tert butyl alcohol	4.76	59	62366	98.536	ug/l 99
12) 1,1-Dichloroethene	3.72	96	53459	18.764	ug/l 94
13) Acrolein	3.58	56	38171	123.932	ug/l 97
14) Allyl chloride	4.30	41	106172	19.372	ug/l 98
15) Acrylonitrile	4.96	53	160633	96.227	ug/l 100
16) Acetone	3.79	43	151912	85.001	ug/l 99
17) Carbon Disulfide	4.03	76	161652	17.554	ug/l 99
18) Methyl Acetate	4.30	43	87161	18.576	ug/l 100
19) Methyl tert-butyl Ether	5.01	73	193172	20.397	ug/l 98
20) Methylene Chloride	4.53	84	71079	21.916	ug/l 99
21) trans-1,2-Dichloroethene	5.02	96	59300	19.392	ug/l 93
22) Diisopropyl ether	5.93	45	207885	19.925	ug/l 98
23) Vinyl Acetate	5.87	43	882483	101.395	ug/l 100
24) 1,1-Dichloroethane	5.82	63	117462	19.829	ug/l 99
25) 2-Butanone	6.81	43	228169	94.849	ug/l 99
26) 2,2-Dichloropropane	6.80	77	107442	20.076	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	68192	19.826	ug/l 99
28) Bromochloromethane	7.17	49	47990	23.007	ug/l 97
29) Tetrahydrofuran	7.19	42	155857	93.143	ug/l 100
30) Chloroform	7.35	83	115571	19.768	ug/l 98
31) Cyclohexane	7.63	56	108485	18.819	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	102688	19.799	ug/l 100
36) 1,1-Dichloropropene	7.77	75	87561	19.012	ug/l 99
37) Ethyl Acetate	6.90	43	99163	19.434	ug/l 100
38) Carbon Tetrachloride	7.75	117	90974	20.041	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	101334	19.615	ug/l	99
40) Benzene	8.02	78	253037	19.233	ug/l	99
41) Methacrylonitrile	7.19	41	141590	63.263	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	98181	20.029	ug/l	99
43) Isopropyl Acetate	8.15	43	152945	19.238	ug/l	99
44) Trichloroethene	8.82	130	64705	19.467	ug/l	95
45) 1,2-Dichloropropane	9.10	63	68989	19.794	ug/l	99
46) Dibromomethane	9.19	93	42811	18.586	ug/l	97
47) Bromodichloromethane	9.39	83	90410	19.750	ug/l	98
48) Methyl methacrylate	9.19	41	66966	19.265	ug/l	99
49) 1,4-Dioxane	9.19	88	20018	450.094	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	460515	90.651	ug/l	99
52) Toluene	10.15	92	151827	19.368	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	100479	18.839	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	108829	19.936	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	60558	19.101	ug/l	99
56) Ethyl methacrylate	10.42	69	86156	17.231	ug/l	99
57) 1,3-Dichloropropane	10.70	76	107183	19.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	134785	103.777	ug/l	98
59) 2-Hexanone	10.74	43	332843	87.719	ug/l	99
60) Dibromochloromethane	10.90	129	66350	18.215	ug/l	98
61) 1,2-Dibromoethane	11.00	107	62320	18.882	ug/l	100
64) Tetrachloroethene	10.63	164	55384	19.013	ug/l	99
65) Chlorobenzene	11.43	112	159618	19.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	61170	19.638	ug/l	99
67) Ethyl Benzene	11.51	91	290170	19.308	ug/l	99
68) m/p-Xylenes	11.62	106	216020	38.318	ug/l	99
69) o-Xylene	11.95	106	102730	19.578	ug/l	98
70) Styrene	11.96	104	157129	18.075	ug/l	97
71) Bromoform	12.12	173	44942	18.338	ug/l #	99
73) Isopropylbenzene	12.25	105	274443	20.368	ug/l	100
74) N-amyl acetate	12.07	43	114552	19.517	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	88970	19.486	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123759	26.941	ug/l #	100
77) Bromobenzene	12.52	156	65897	19.644	ug/l	97
78) n-propylbenzene	12.59	91	323176	19.518	ug/l	98
79) 2-Chlorotoluene	12.67	91	191964	19.443	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	227814	19.716	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31144	18.241	ug/l #	86
82) 4-Chlorotoluene	12.77	91	193339	19.151	ug/l	100
83) tert-Butylbenzene	12.99	119	192281	19.956	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	228657	20.042	ug/l	99
85) sec-Butylbenzene	13.17	105	260723	19.700	ug/l	99
86) p-Isopropyltoluene	13.29	119	233843	19.769	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	115389	18.675	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116690	19.288	ug/l	99
89) n-Butylbenzene	13.62	91	215249	19.380	ug/l	98
90) Hexachloroethane	13.87	117	44208	20.350	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	114147	19.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19396	19.836	ug/l	93

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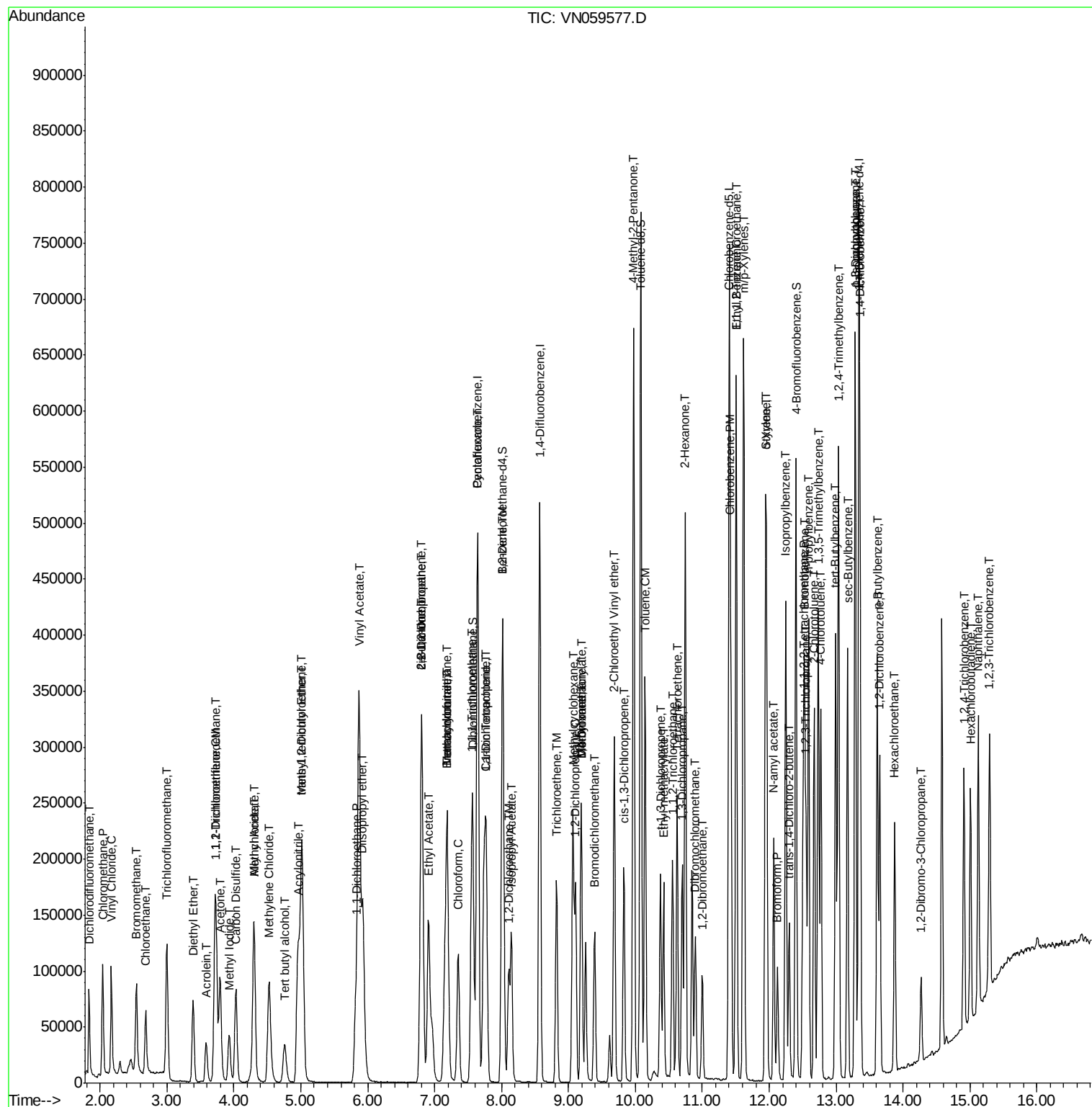
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69559	17.345	ug/l	96
94) Hexachlorobutadiene	15.01	225	36269	17.702	ug/l	98
95) Naphthalene	15.12	128	203634	17.371	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	70114	19.494	ug/l	99

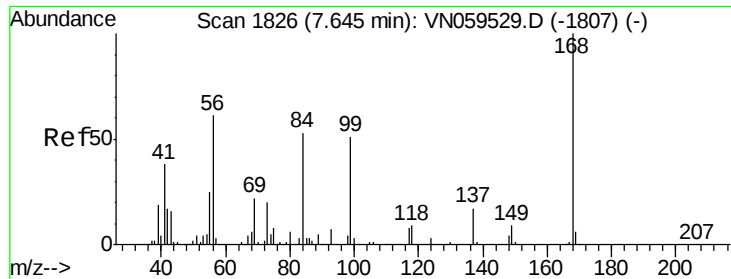
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

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MSVOA_N

ClientSampleId :

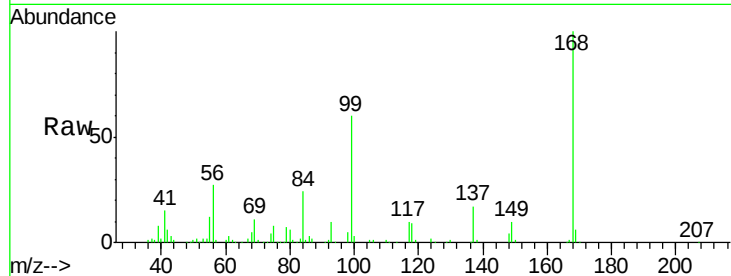
VN1212WBSD01

Tgt Ion:168 Resp: 273735

Ion Ratio Lower Upper

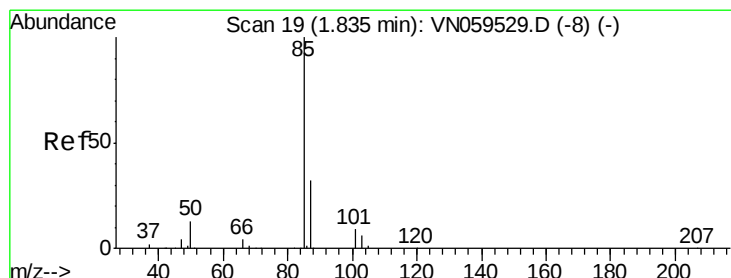
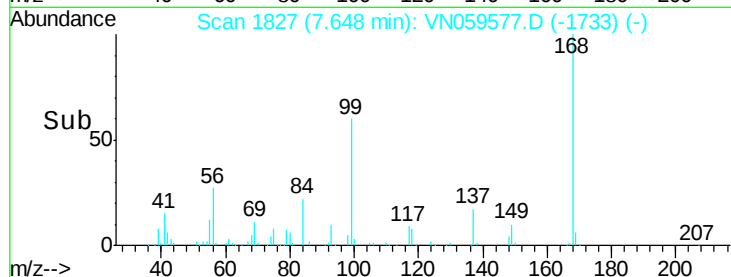
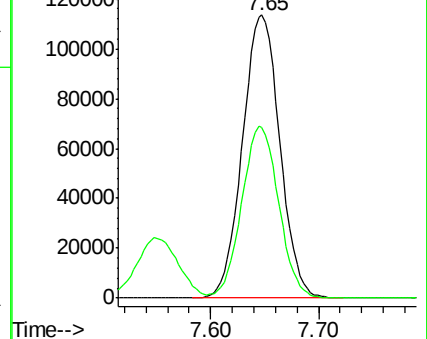
168 100

99 60.3 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.801 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN059577.D

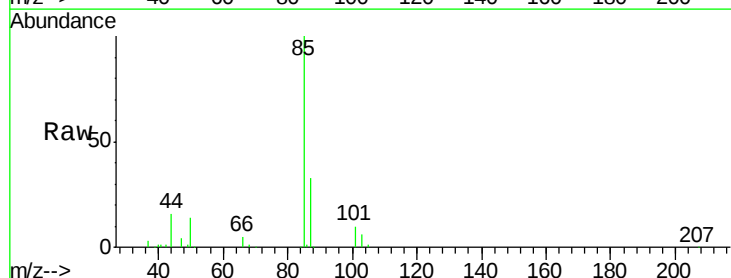
Acq: 12 Dec 2019 16:13

Tgt Ion: 85 Resp: 59360

Ion Ratio Lower Upper

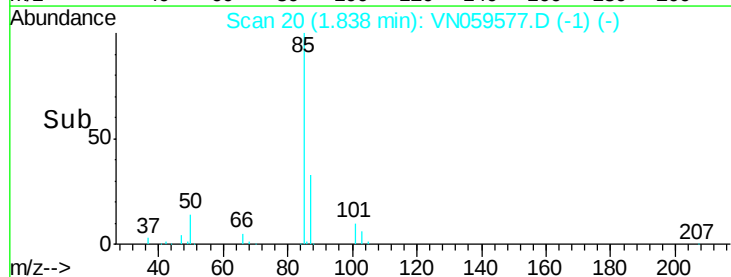
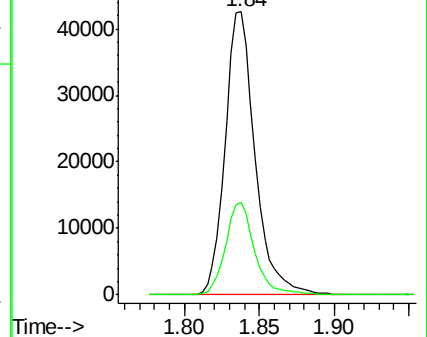
85 100

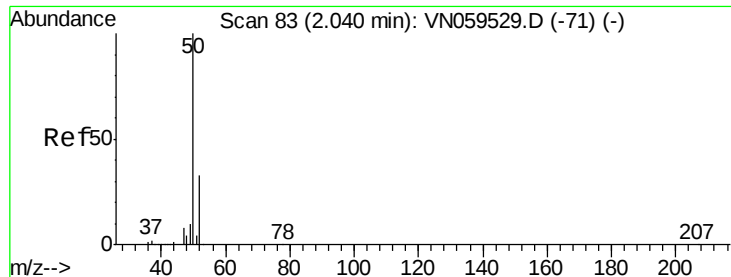
87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.270 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

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ClientSampleId :

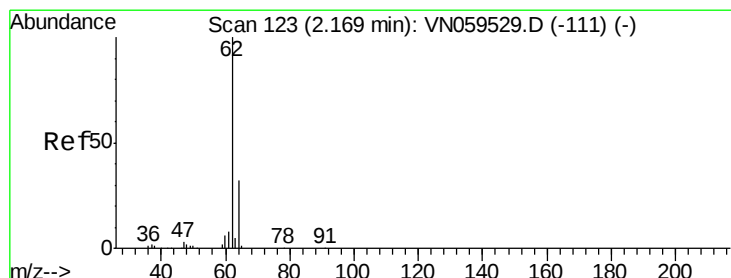
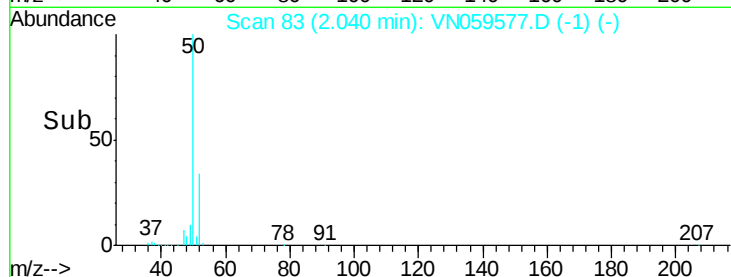
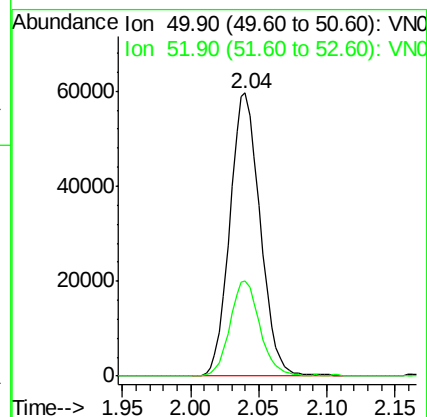
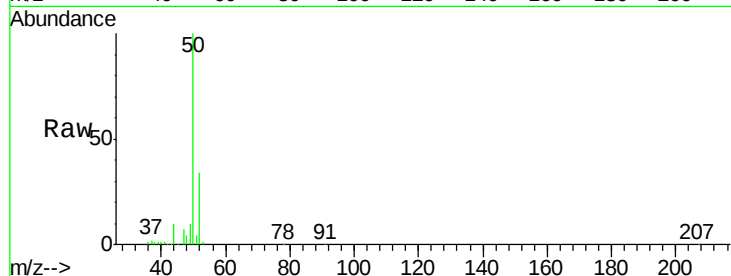
VN1212WBSD01

Tgt Ion: 50 Resp: 92100

Ion Ratio Lower Upper

50 100

52 33.7 26.2 39.4



#4

Vinyl Chloride

Concen: 19.339 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059577.D

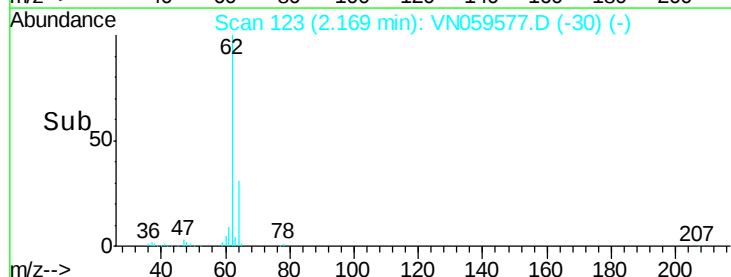
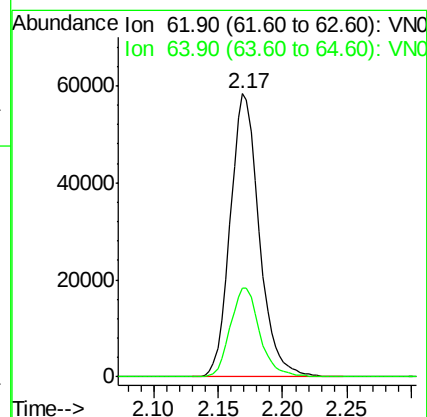
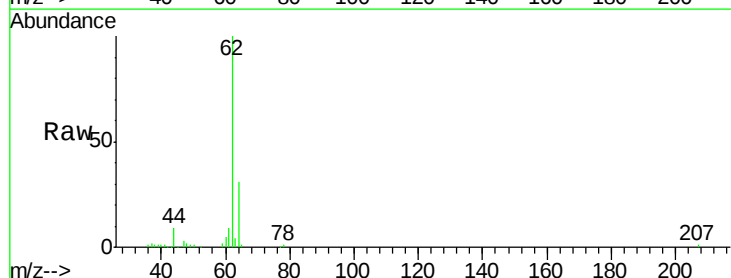
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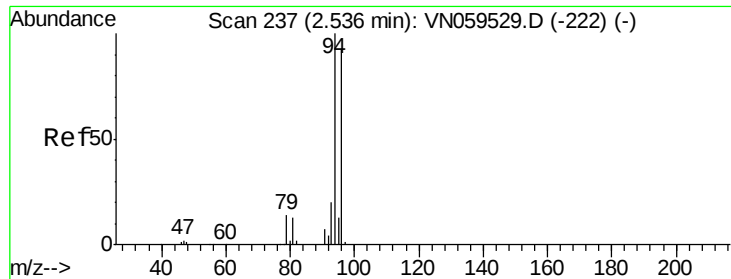
Tgt Ion: 62 Resp: 91104

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0

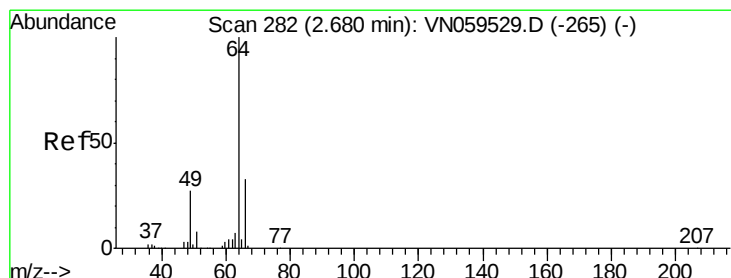
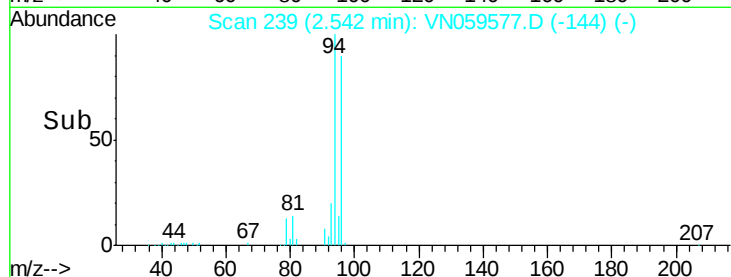
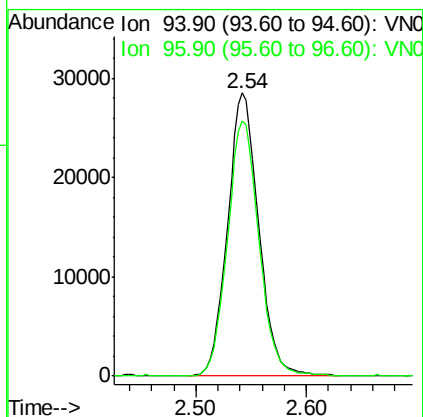
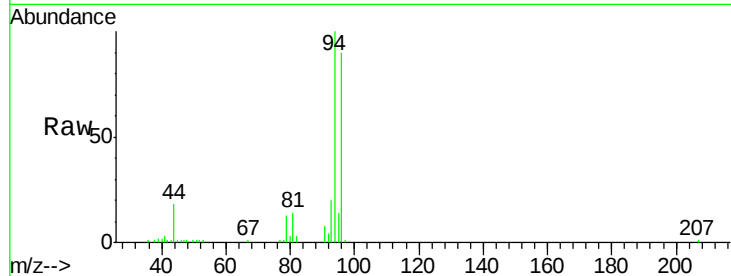




#5
 Bromomethane
 Concen: 19.476 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. 0.01 min
 Lab File: VN059577.D
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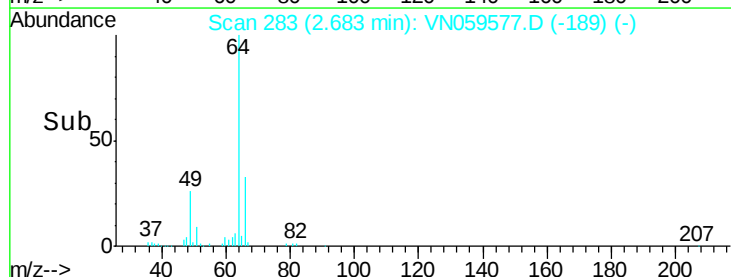
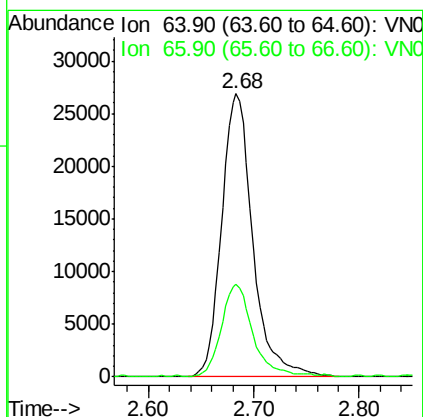
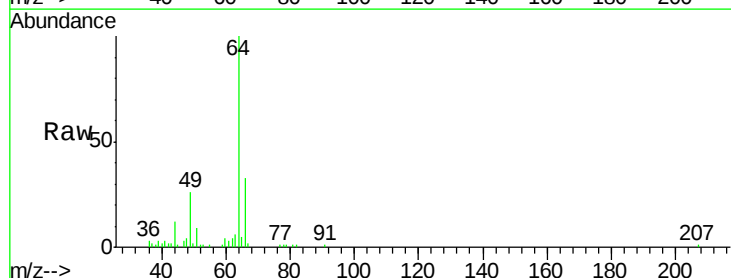
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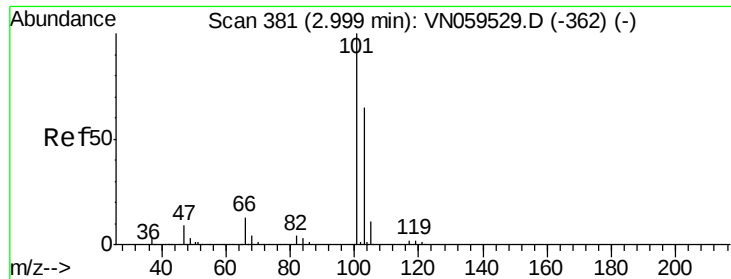
Tgt Ion: 94 Resp: 55883
 Ion Ratio Lower Upper
 94 100
 96 90.3 74.6 112.0



#6
 Chloroethane
 Concen: 19.507 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 64 Resp: 54874
 Ion Ratio Lower Upper
 64 100
 66 32.7 26.7 40.1



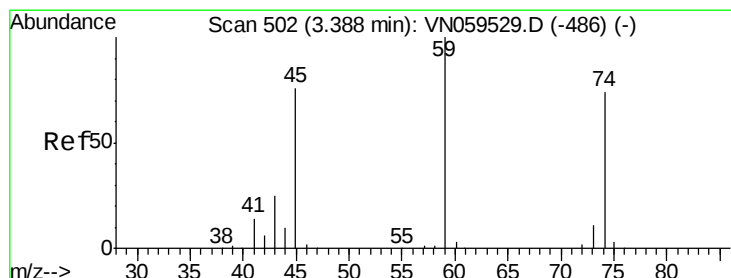
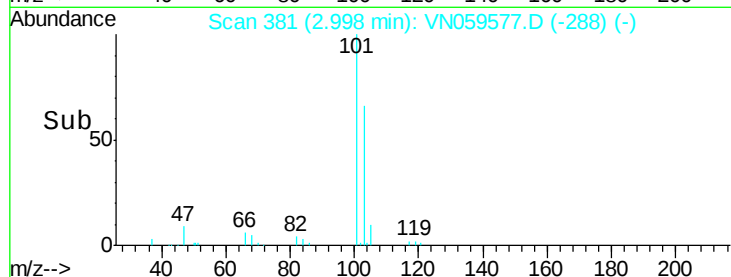
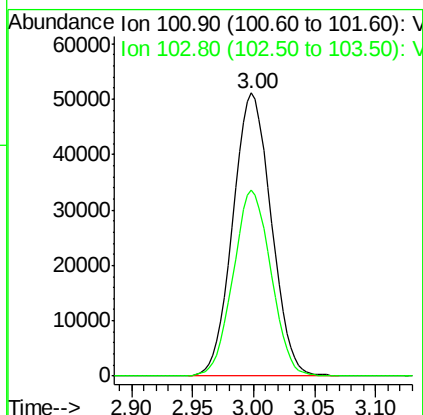
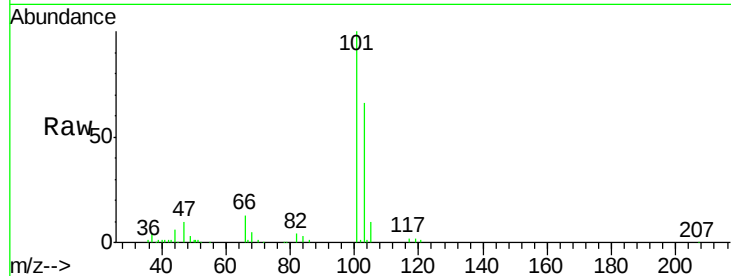


#7

Trichlorofluoromethane
 Concen: 19.760 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

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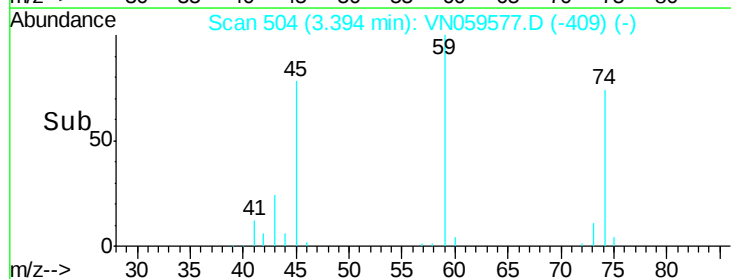
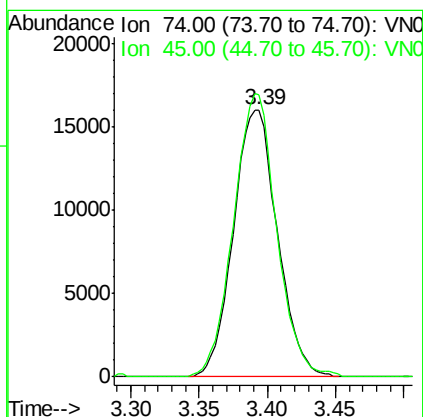
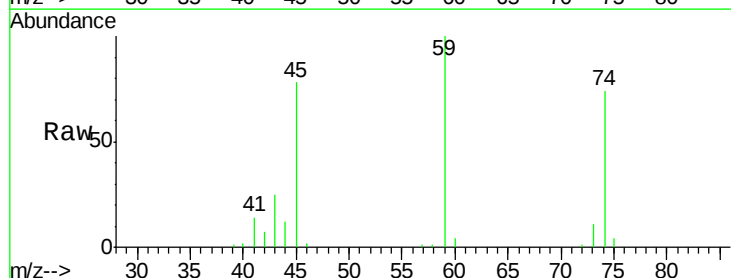
Tgt Ion:101 Resp: 111276
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4

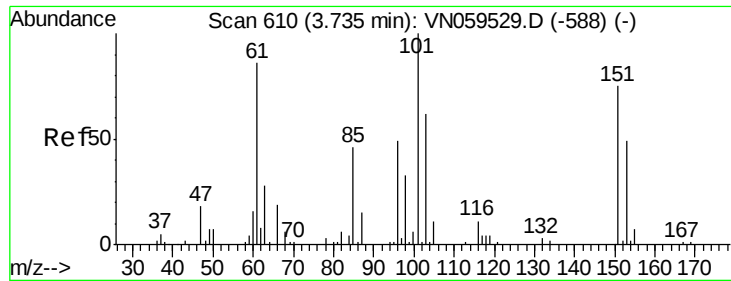


#8

Diethyl Ether
 Concen: 18.571 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 74 Resp: 35840
 Ion Ratio Lower Upper
 74 100
 45 104.1 52.6 157.9

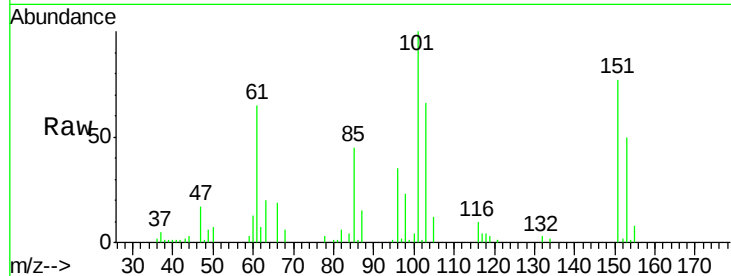




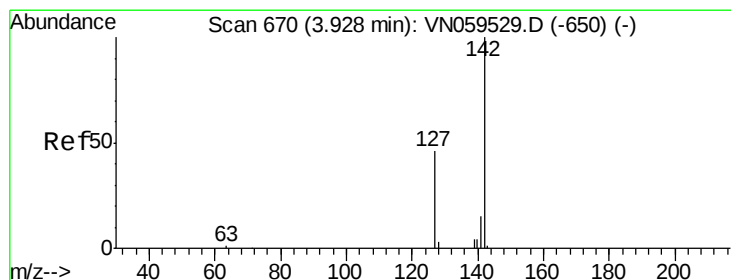
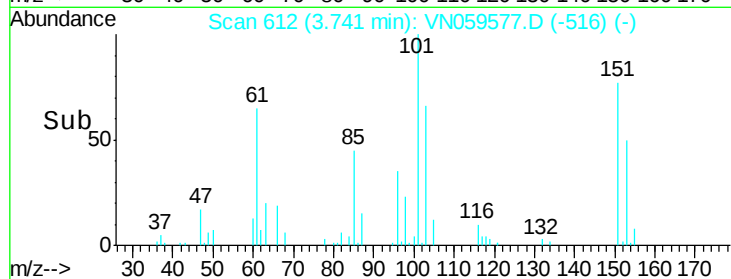
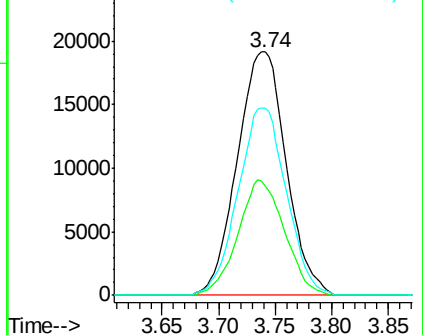
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.666 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tgt Ion:101 Resp: 57635
 Ion Ratio Lower Upper
 101 100
 85 44.9 36.6 54.8
 151 76.0 59.3 88.9

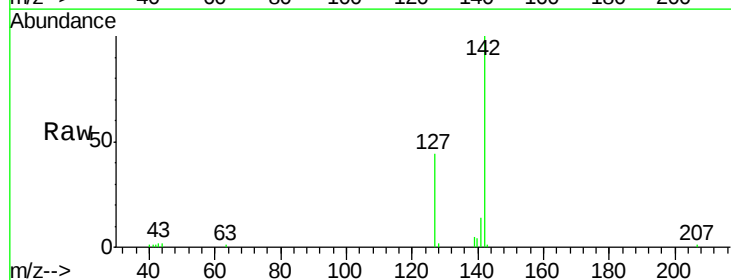


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

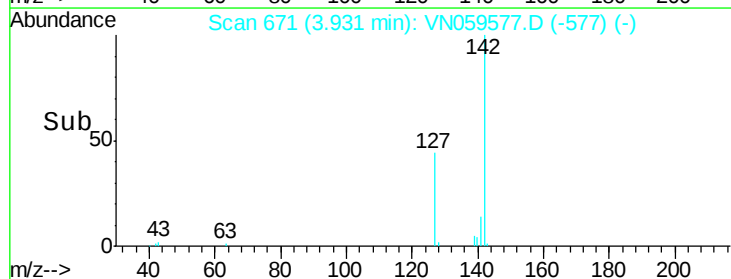
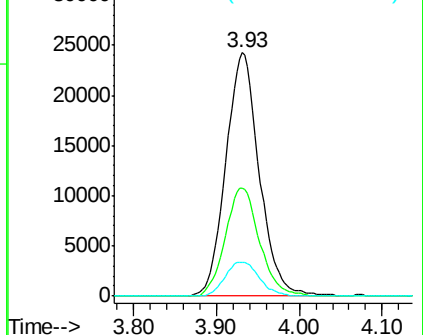


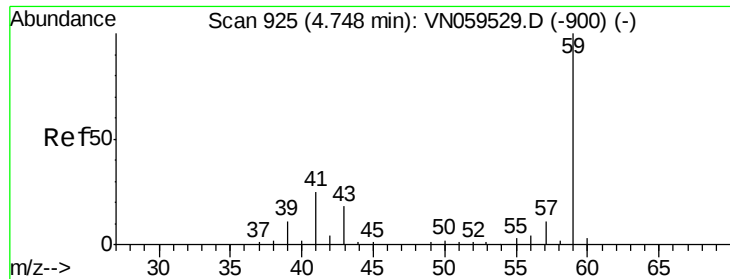
#10
 Methyl Iodide
 Concen: 17.147 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion:142 Resp: 68047
 Ion Ratio Lower Upper
 142 100
 127 45.3 36.6 54.8
 141 14.3 11.6 17.4



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

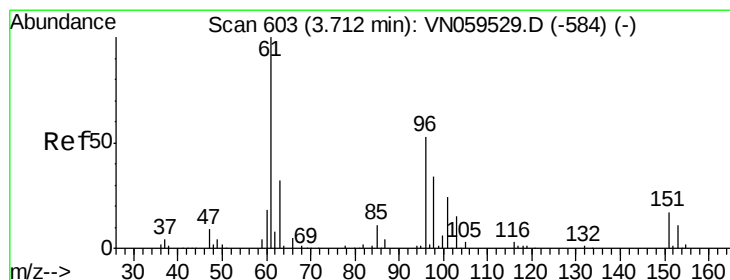
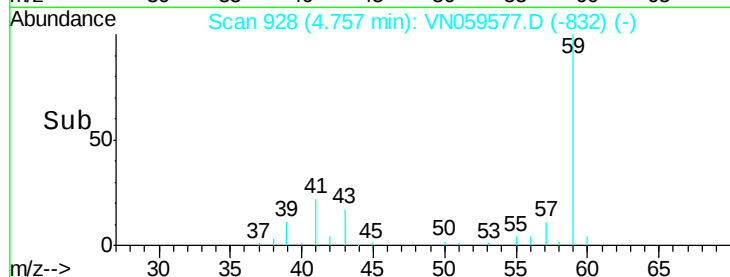
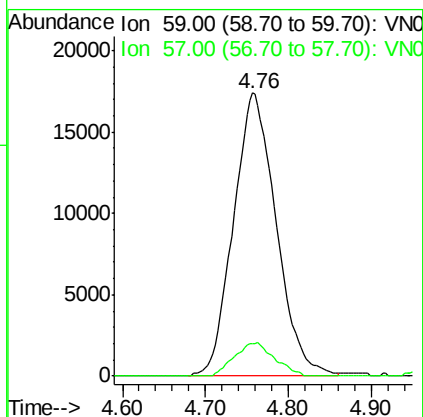
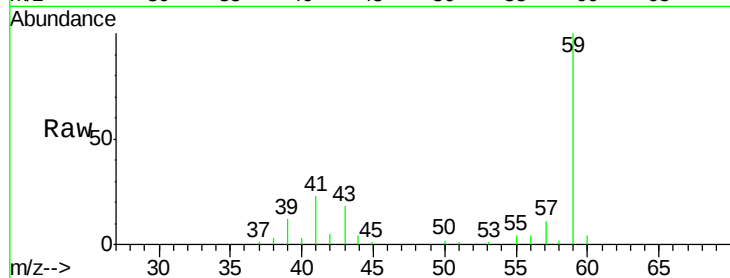




#11
Tert butyl alcohol
Concen: 98.536 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

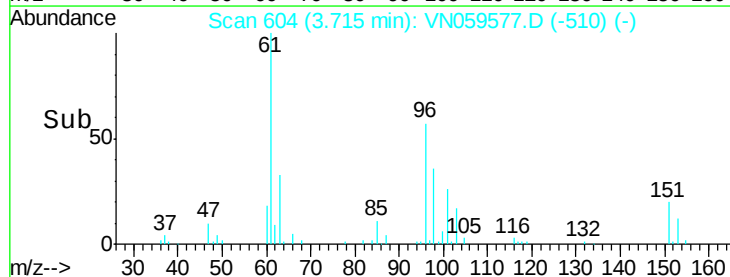
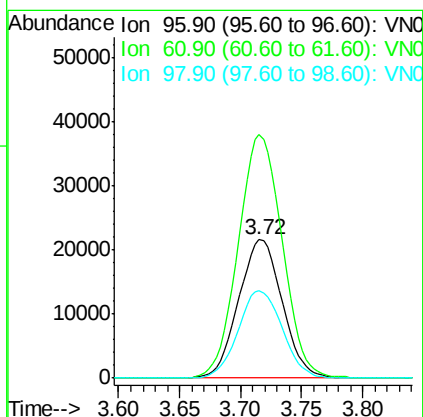
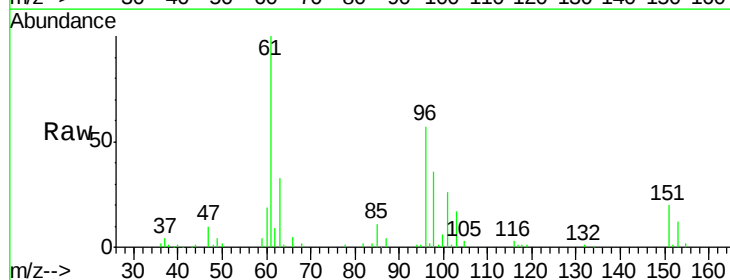
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

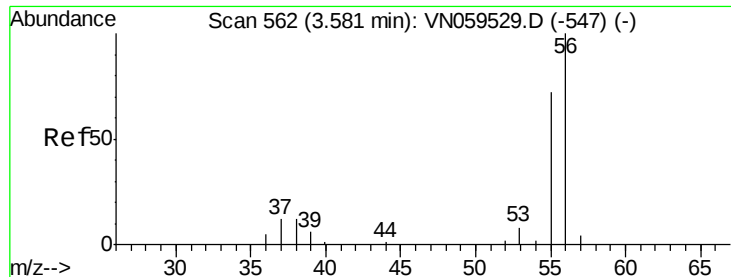
Tgt Ion: 59 Resp: 62366
Ion Ratio Lower Upper
59 100
57 11.0 8.6 13.0



#12
1,1-Dichloroethene
Concen: 18.764 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 96 Resp: 53459
Ion Ratio Lower Upper
96 100
61 176.0 149.8 224.6
98 63.2 50.6 75.8





#13

Acrolein

Concen: 123.932 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

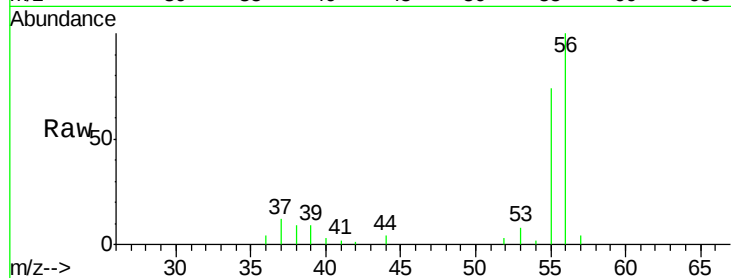
VN1212WBSD01

Tgt Ion: 56 Resp: 38171

Ion Ratio Lower Upper

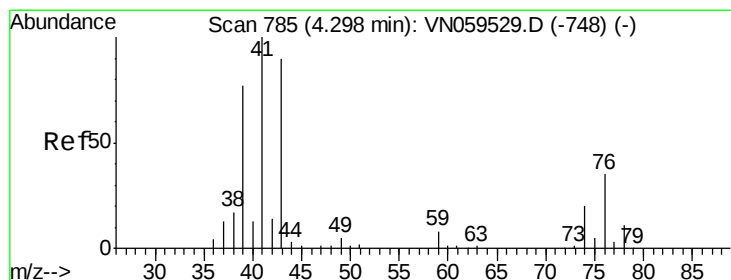
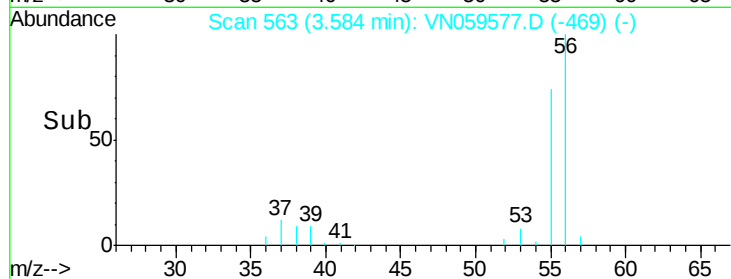
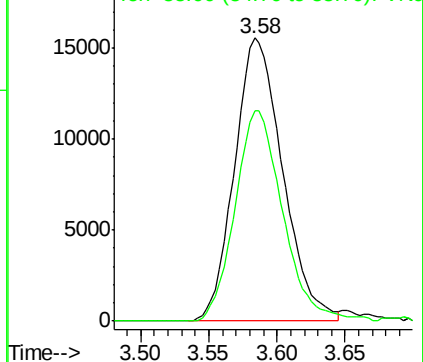
56 100

55 73.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.372 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

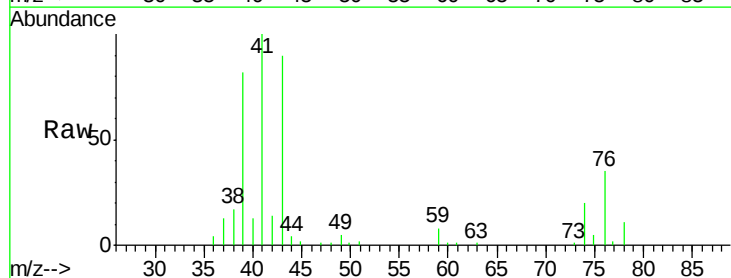
Tgt Ion: 41 Resp: 106172

Ion Ratio Lower Upper

41 100

39 72.5 56.7 85.1

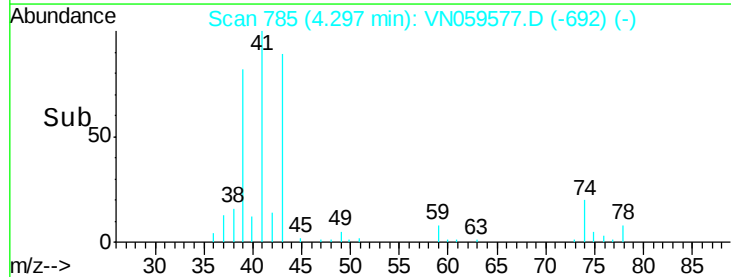
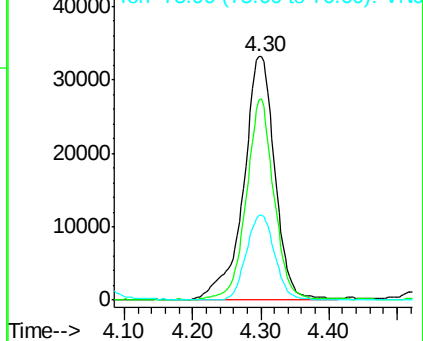
76 31.4 25.5 38.3

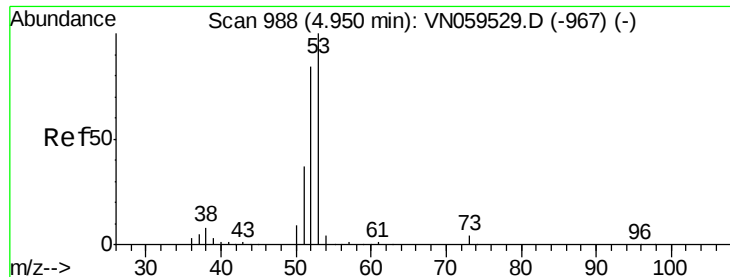


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.227 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

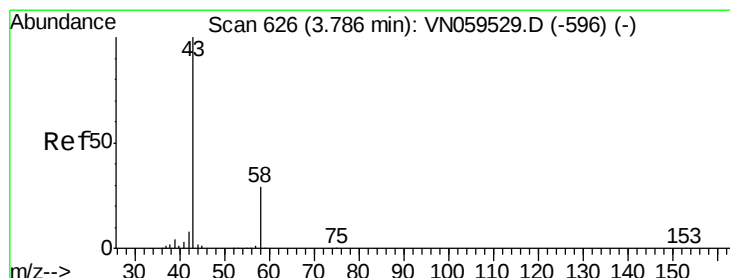
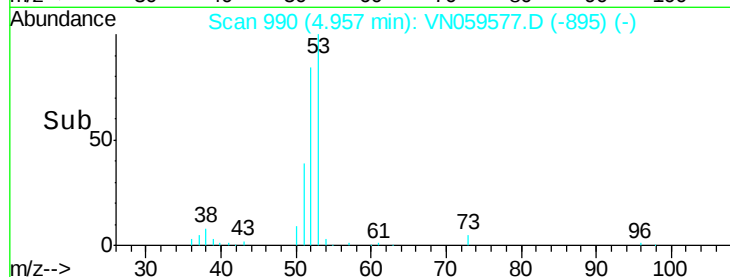
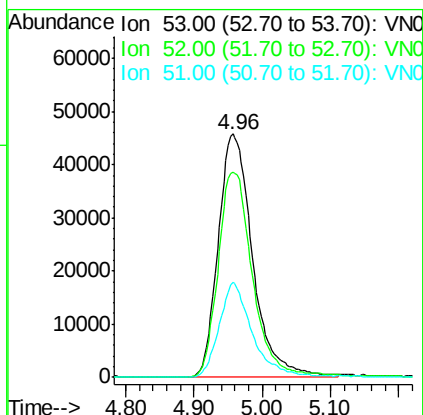
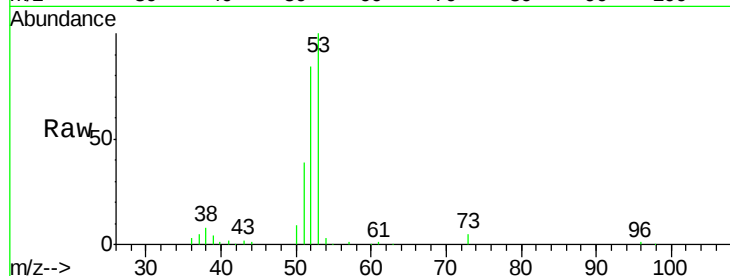
Tgt Ion: 53 Resp: 160633

Ion Ratio Lower Upper

53 100

52 83.4 66.6 99.8

51 37.3 29.8 44.8



#16

Acetone

Concen: 85.001 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059577.D

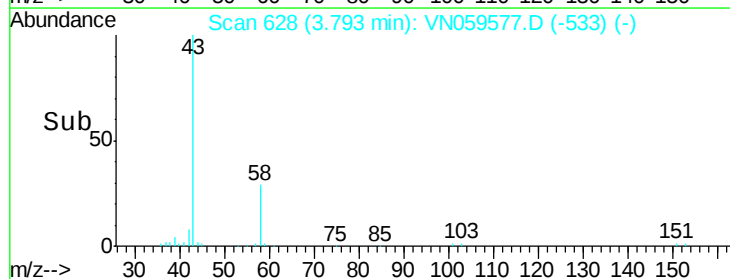
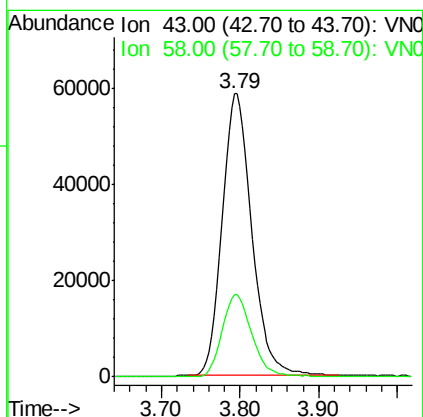
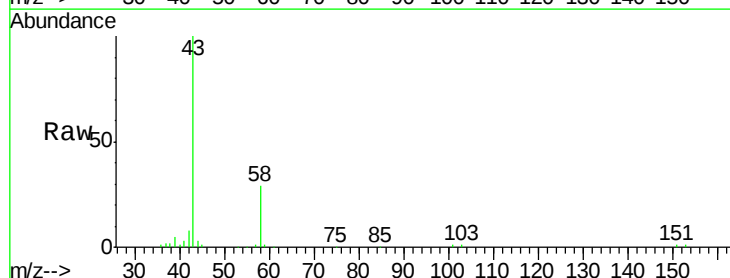
Acq: 12 Dec 2019 16:13

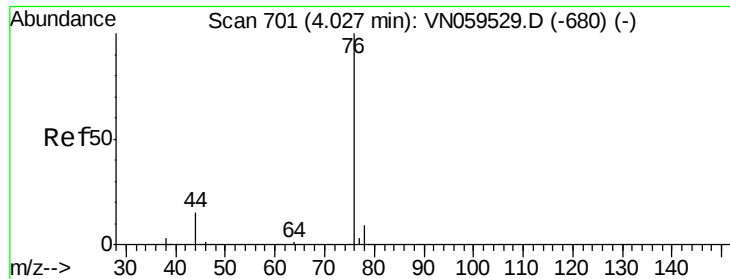
Tgt Ion: 43 Resp: 151912

Ion Ratio Lower Upper

43 100

58 29.1 23.0 34.4

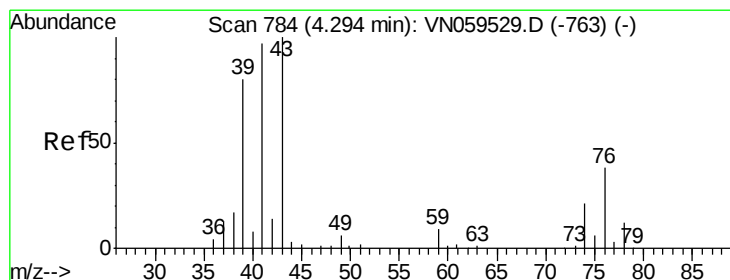
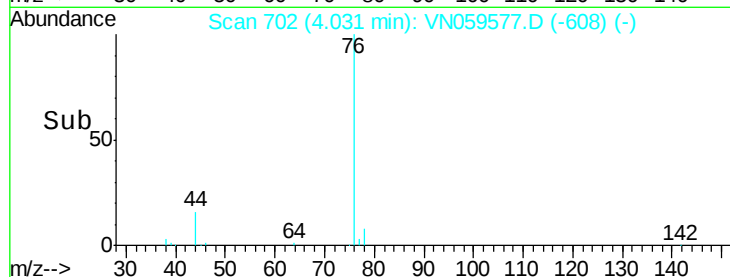
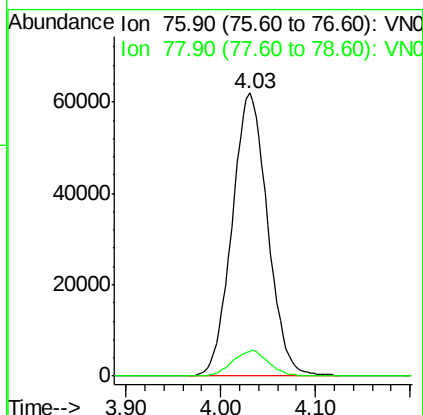
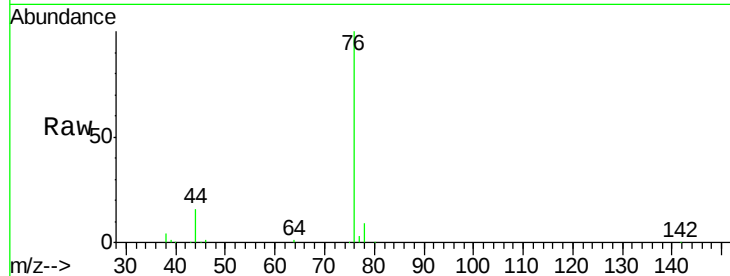




#17
Carbon Disulfide
Concen: 17.554 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

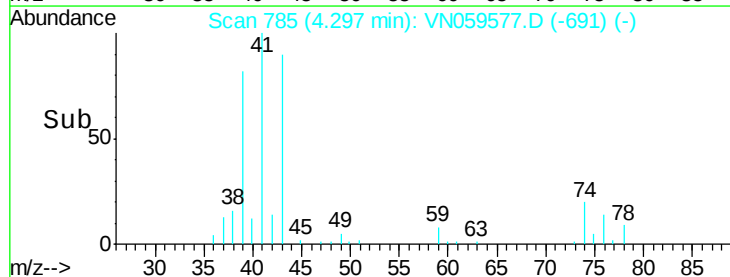
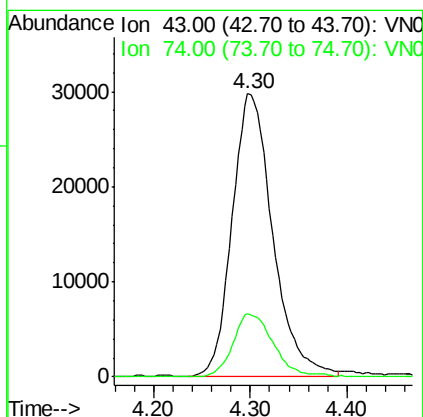
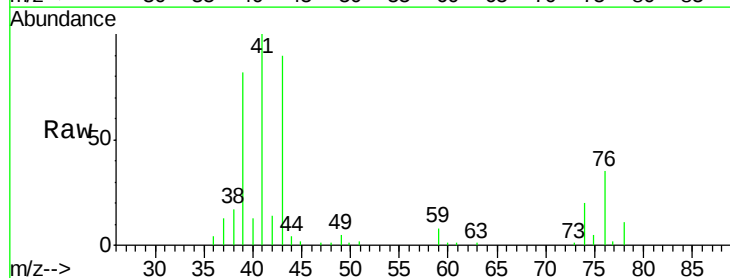
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

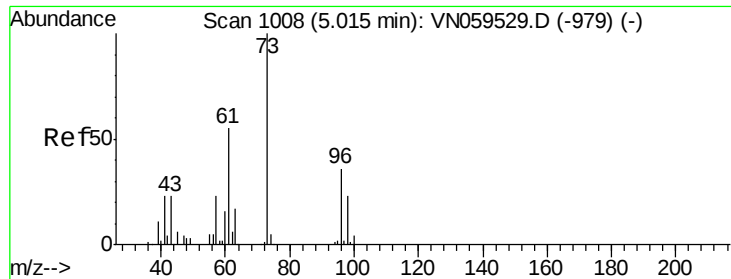
Tgt Ion: 76 Resp: 161652
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 18.576 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 43 Resp: 87161
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3

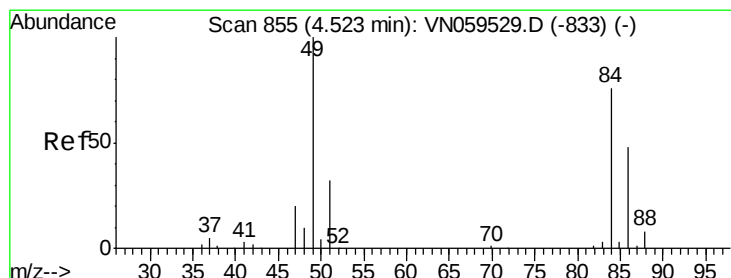
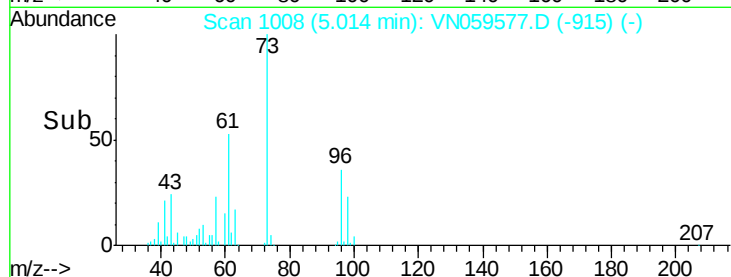
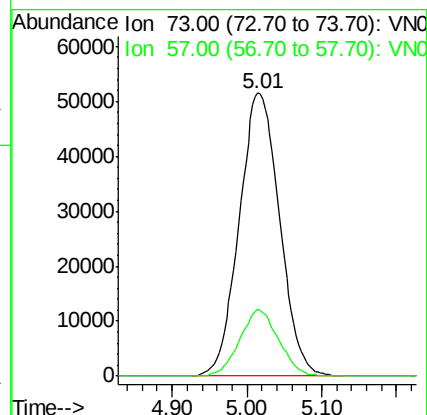
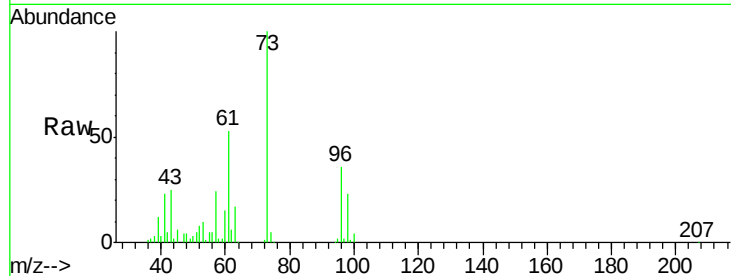




#19
Methyl tert-butyl Ether
Concen: 20.397 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

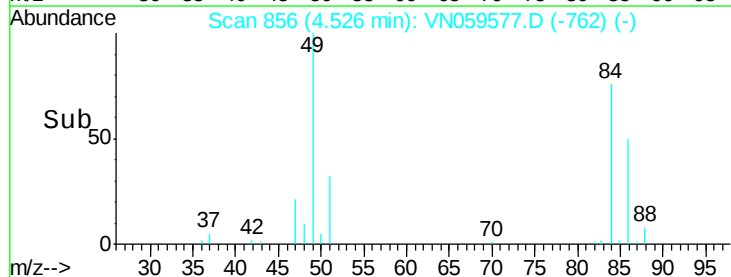
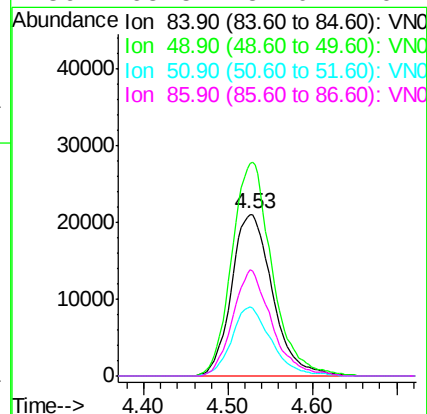
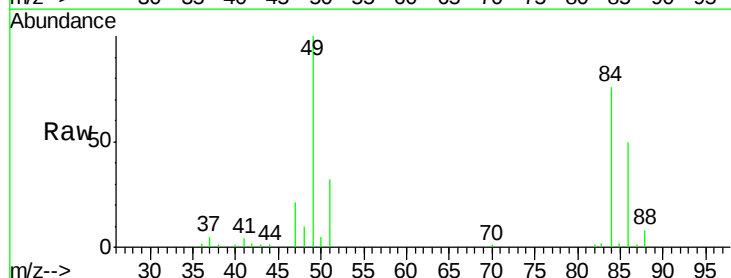
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

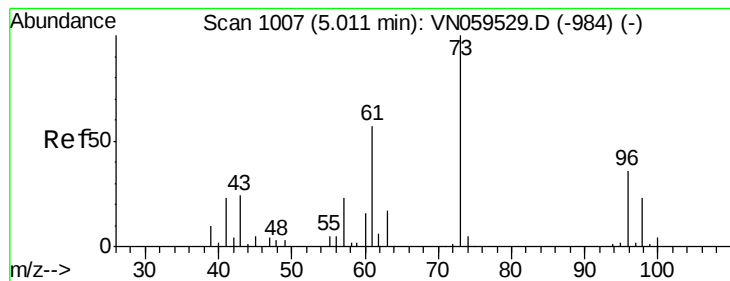
Tgt Ion: 73 Resp: 193172
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5



#20
Methylene Chloride
Concen: 21.916 ug/l
RT: 4.53 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 84 Resp: 71079
Ion Ratio Lower Upper
84 100
49 131.0 105.8 158.8
51 42.5 33.7 50.5
86 65.5 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.392 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

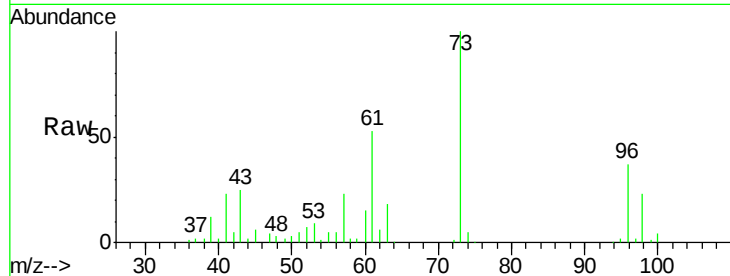
Tgt Ion: 96 Resp: 59300

Ion Ratio Lower Upper

96 100

61 143.5 124.8 187.2

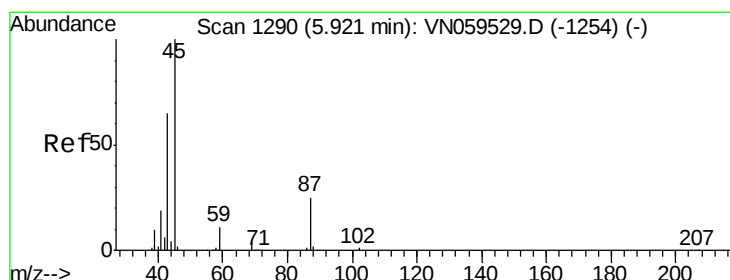
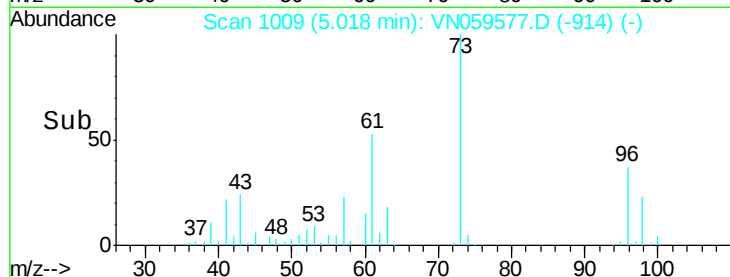
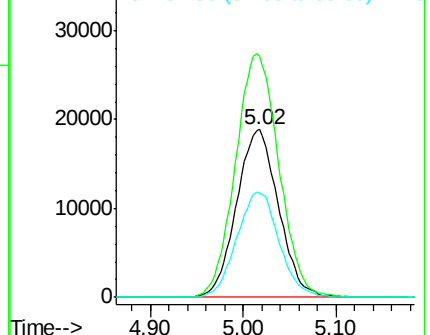
98 62.3 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN059577.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059577.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059577.D (-914) (-)



#22

Diisopropyl ether

Concen: 19.925 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion: 45 Resp: 207885

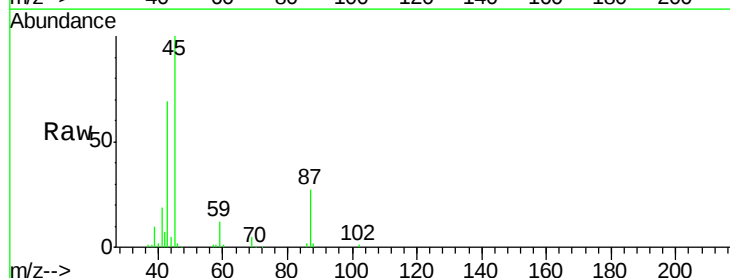
Ion Ratio Lower Upper

45 100

43 66.9 52.8 79.2

87 27.0 20.2 30.4

59 12.0 9.1 13.7

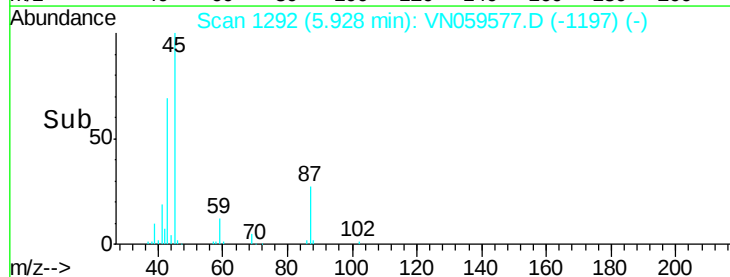
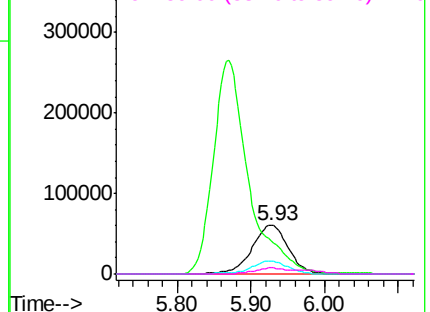


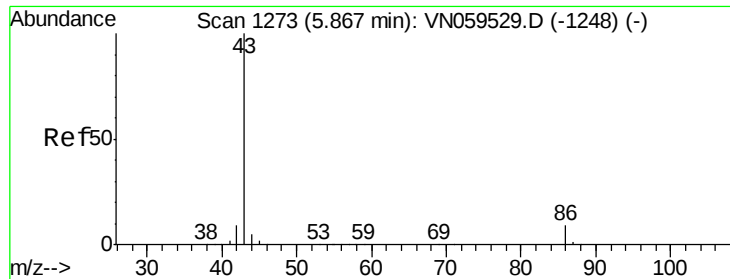
Abundance Ion 45.00 (44.70 to 45.70): VN059577.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059577.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059577.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059577.D (-1197) (-)





#23

Vinyl Acetate

Concen: 101.395 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

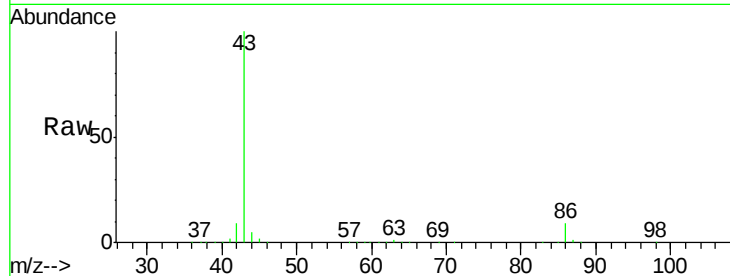
VN1212WBSD01

Tgt Ion: 43 Resp: 882483

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1248) (-)

Ion 86.00 (85.70 to 86.70): VN059529.D (-1248) (-)

5.87

250000

200000

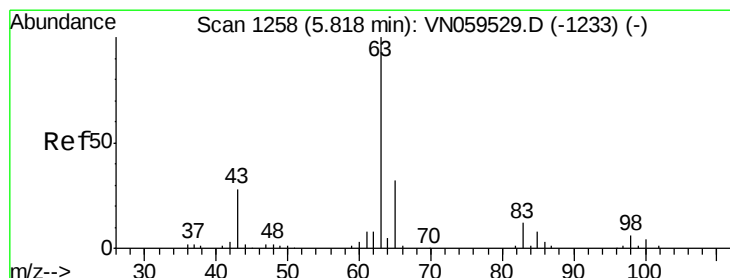
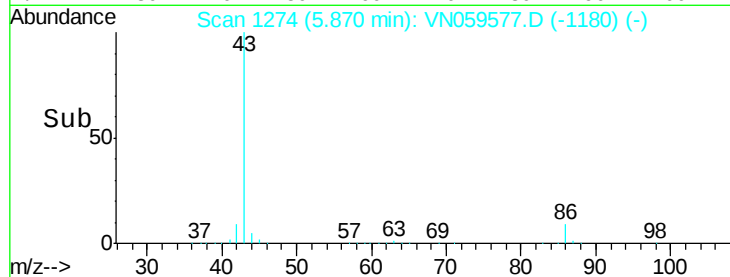
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.829 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

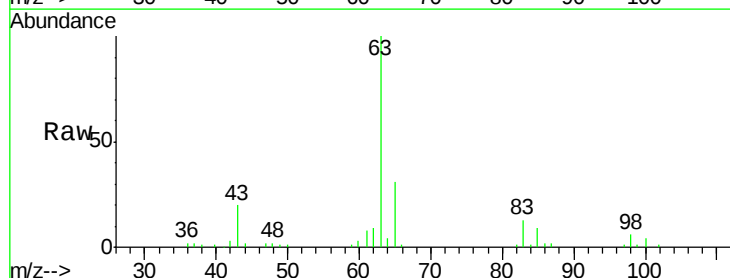
Tgt Ion: 63 Resp: 117462

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

100 4.0 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN059529.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059529.D (-1233) (-)

5.82

40000

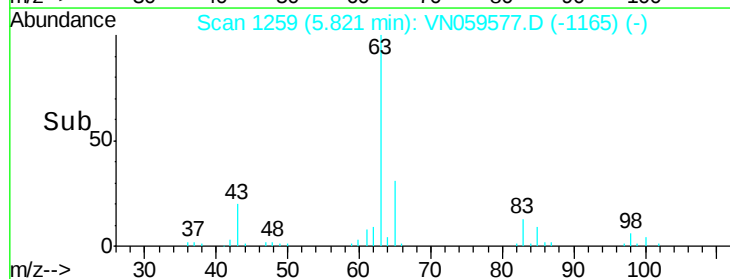
30000

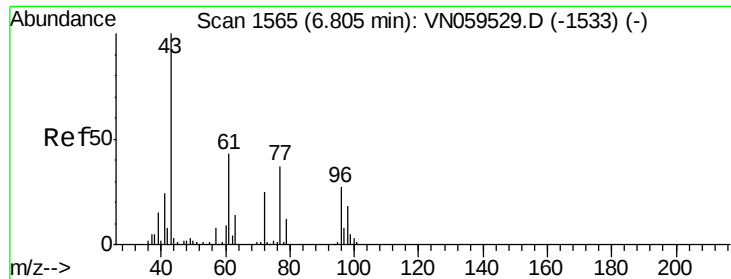
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.849 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

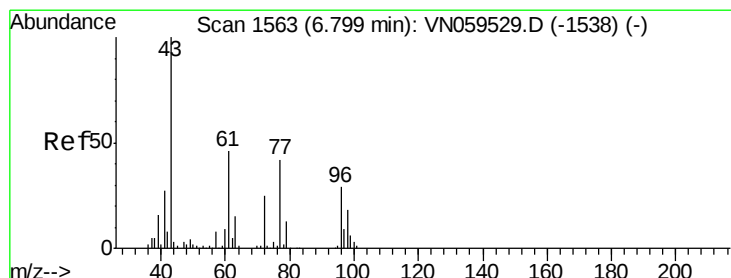
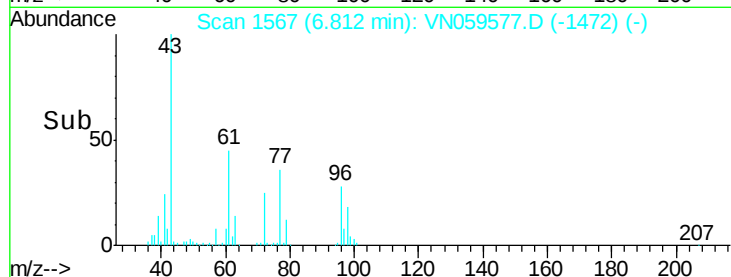
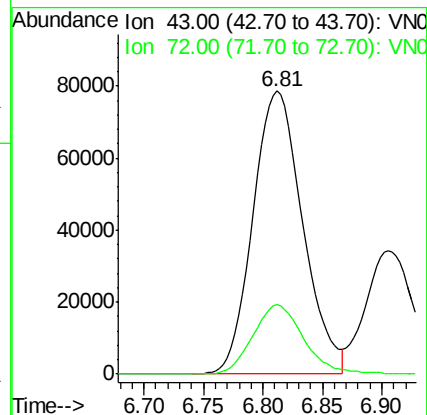
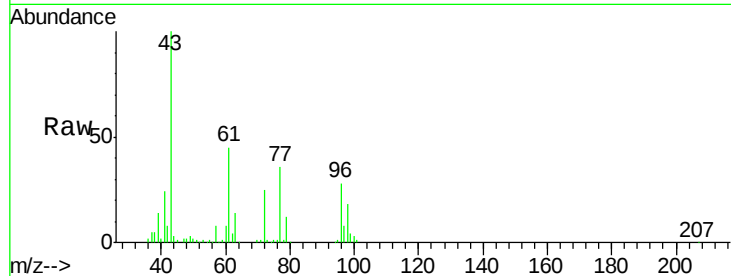
VN1212WBSD01

Tgt Ion: 43 Resp: 228169

Ion Ratio Lower Upper

43 100

72 24.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.076 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059577.D

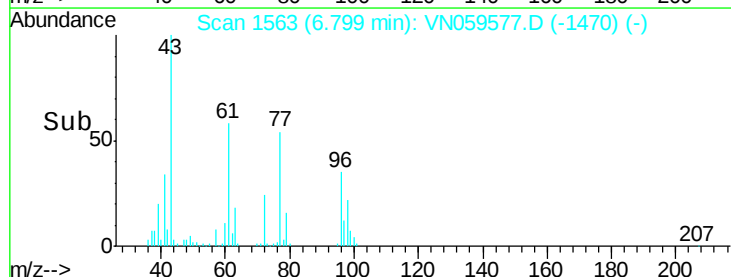
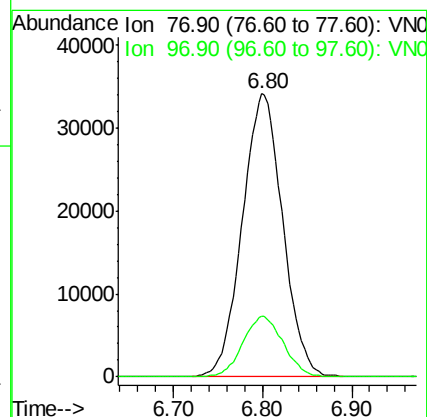
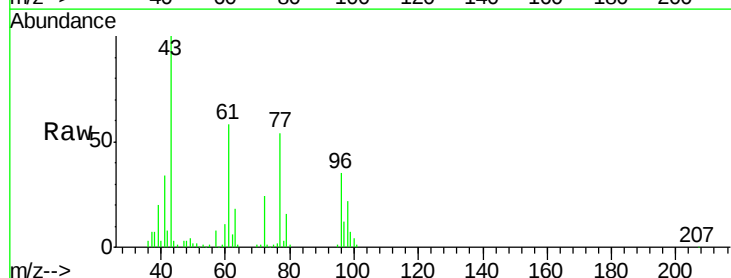
Acq: 12 Dec 2019 16:13

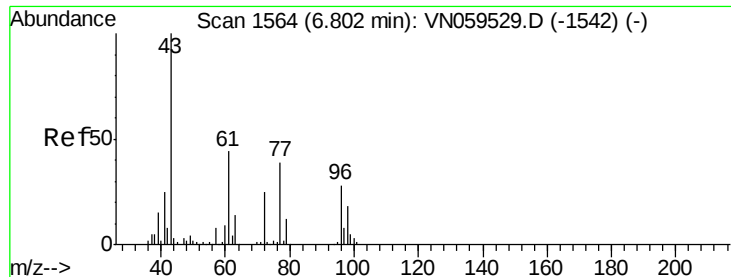
Tgt Ion: 77 Resp: 107442

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.826 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

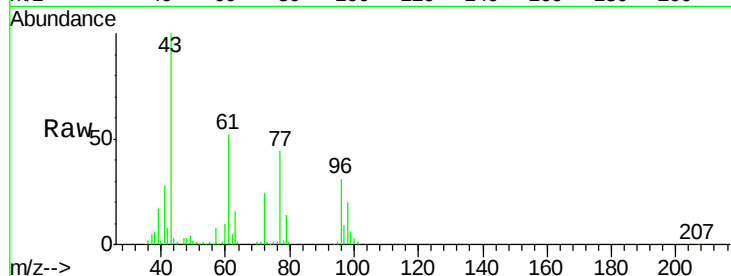
Tgt Ion: 96 Resp: 68192

Ion Ratio Lower Upper

96 100

61 162.1 0.0 320.0

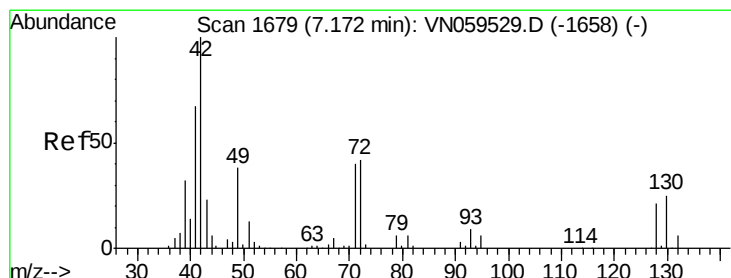
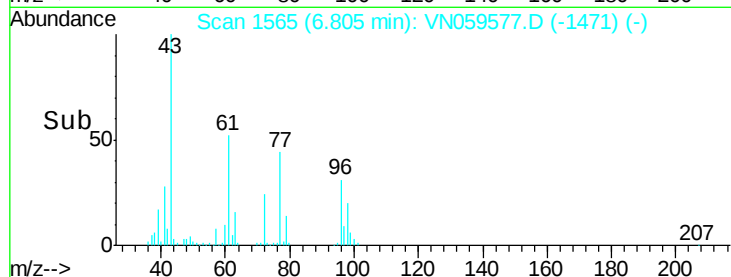
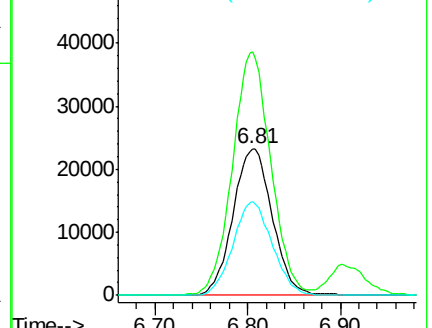
98 63.5 0.0 128.6



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: 23.007 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

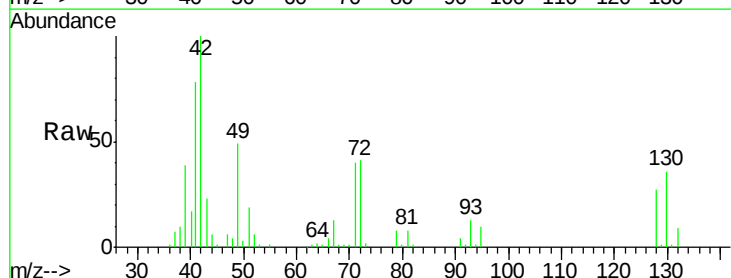
Tgt Ion: 49 Resp: 47990

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.0

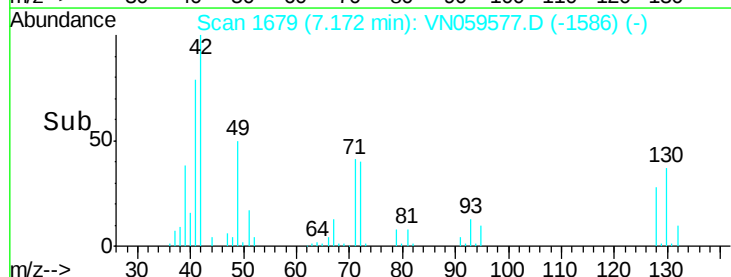
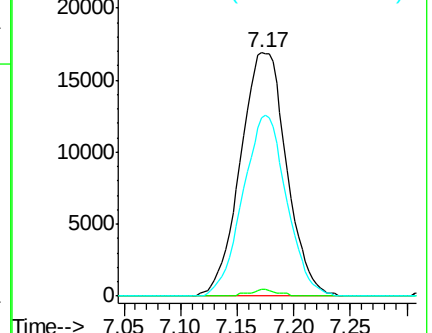
130 70.4 54.2 81.2

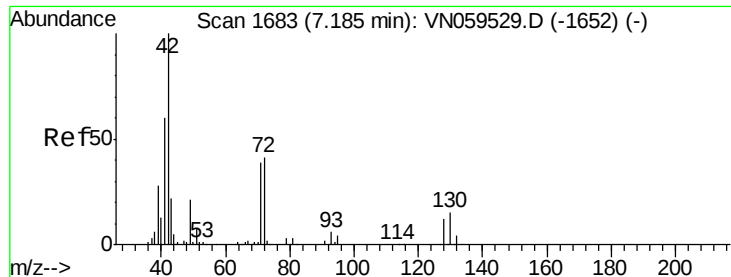


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

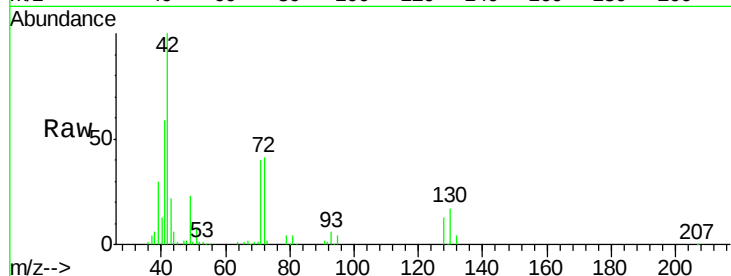




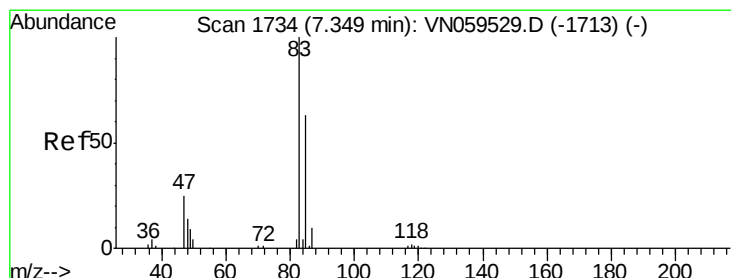
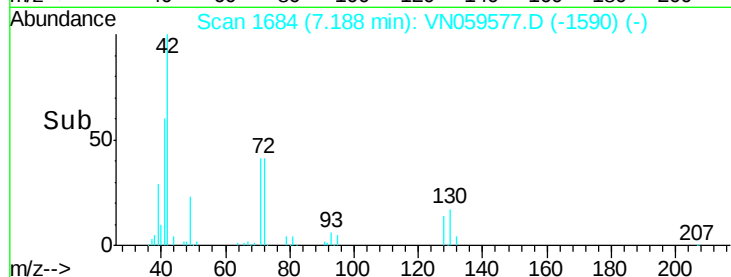
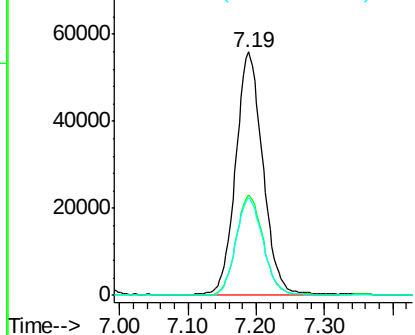
#29
Tetrahydrofuran
Concen: 93.143 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
VN1212WBSD01

Tgt Ion: 42 Resp: 155857
Ion Ratio Lower Upper
42 100
72 40.9 32.7 49.1
71 39.8 31.4 47.2

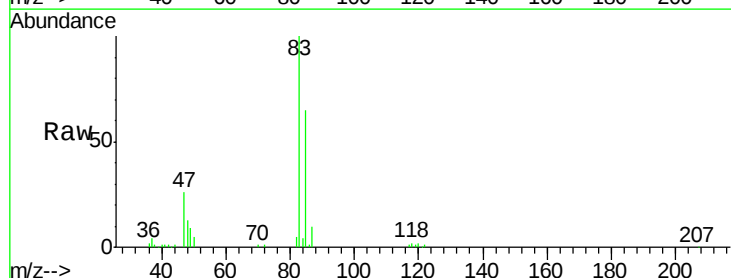


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

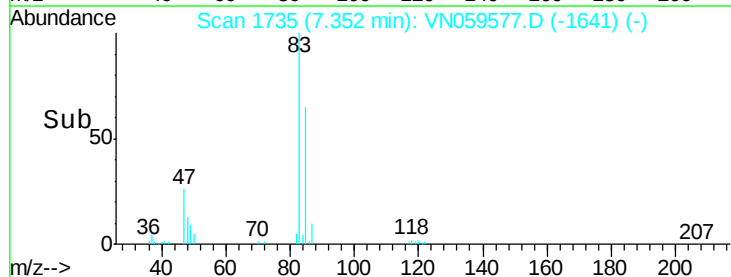
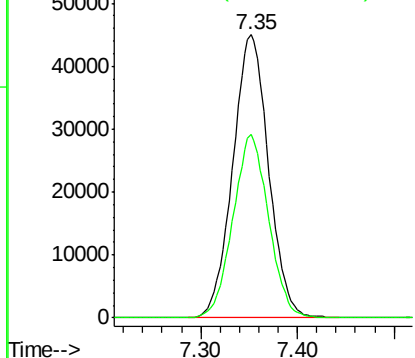


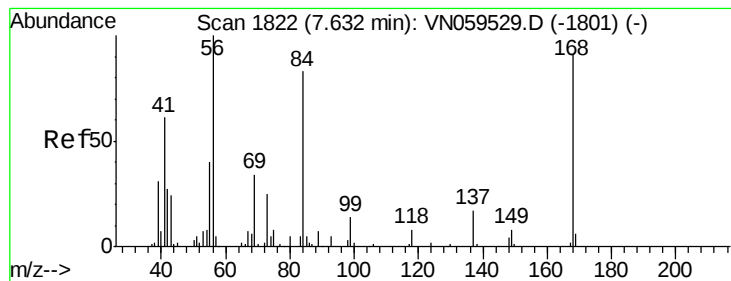
#30
Chloroform
Concen: 19.768 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 83 Resp: 115571
Ion Ratio Lower Upper
83 100
85 64.8 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.819 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

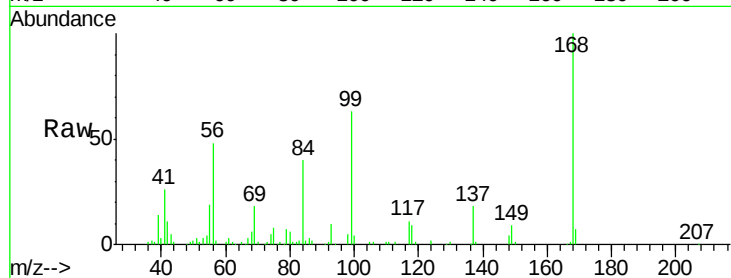
Tgt Ion: 56 Resp: 108485

Ion Ratio Lower Upper

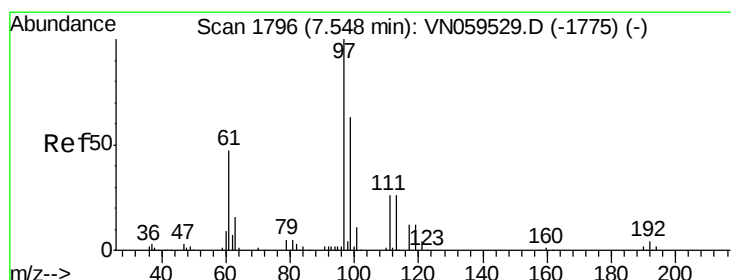
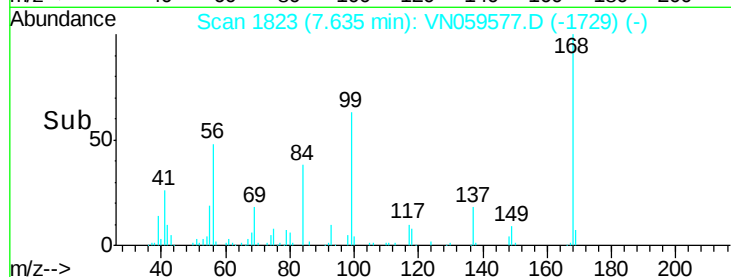
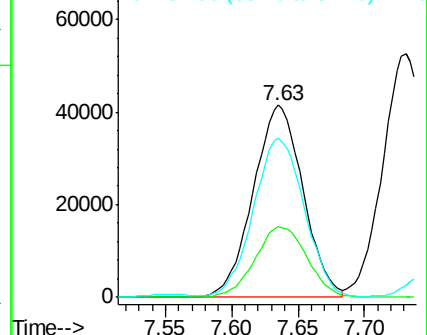
56 100

69 36.7 26.9 40.3

84 81.9 66.5 99.7



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



#32

1,1,1-Trichloroethane

Concen: 19.799 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

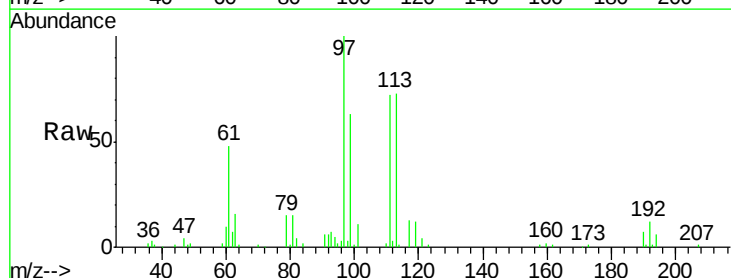
Tgt Ion: 97 Resp: 102688

Ion Ratio Lower Upper

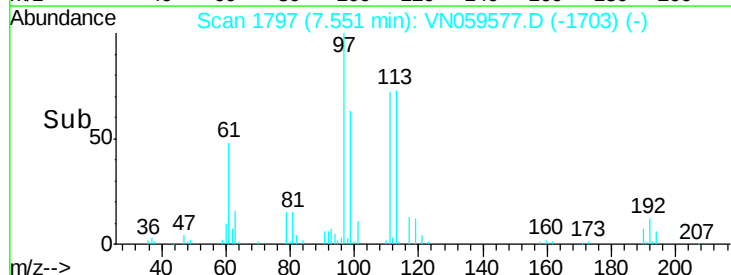
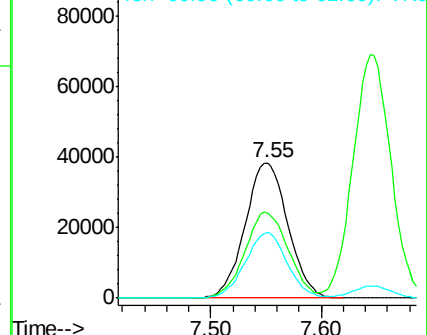
97 100

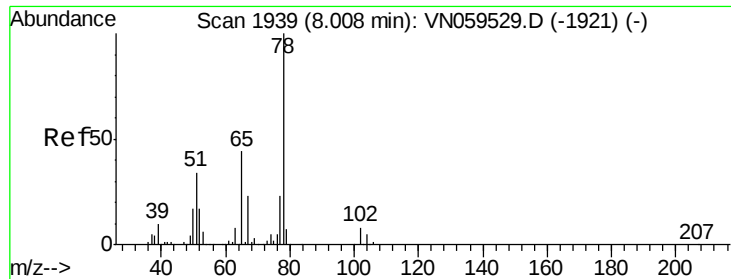
99 64.3 51.4 77.2

61 47.5 38.5 57.7



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

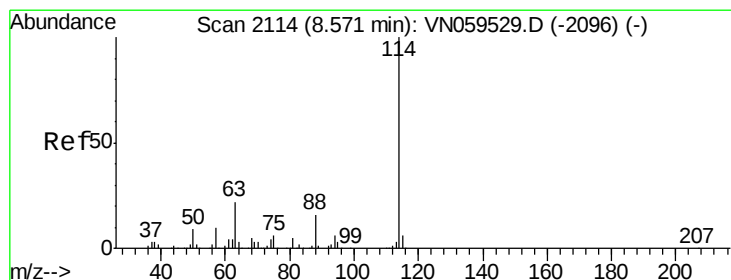
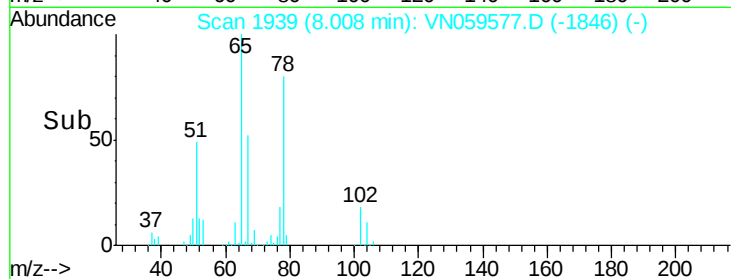
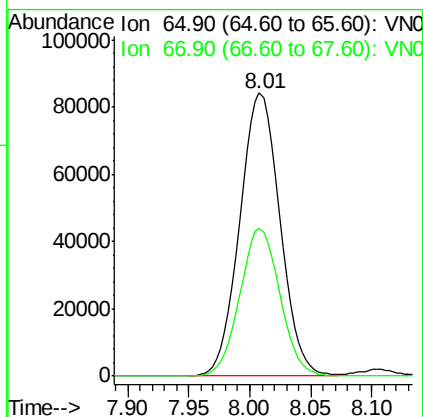
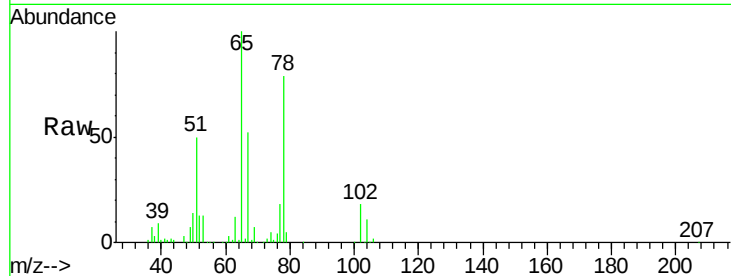




#33
 1,2-Dichloroethane-d4
 Concen: 50.310 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

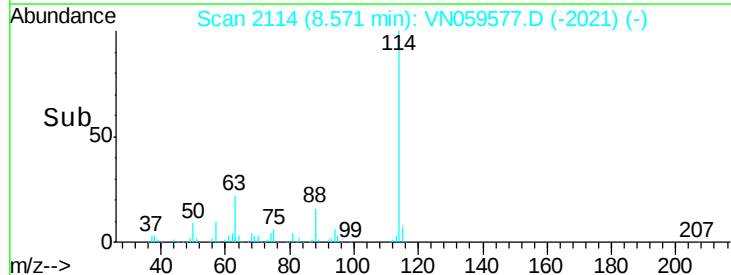
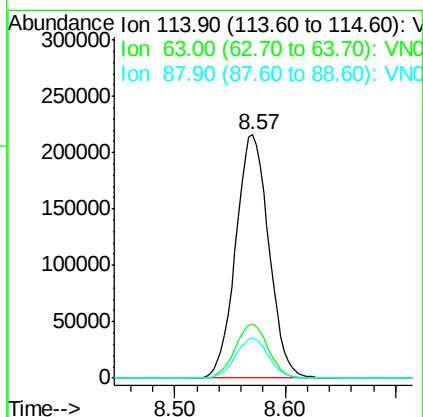
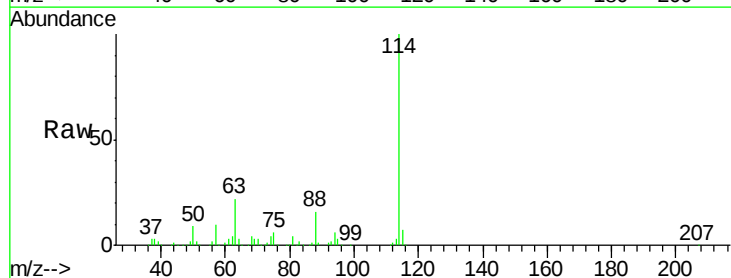
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

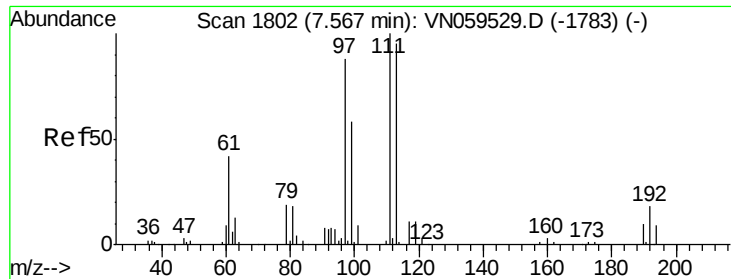
Tgt Ion: 65 Resp: 192473
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 114 Resp: 448892
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.513 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN1212WBSD01

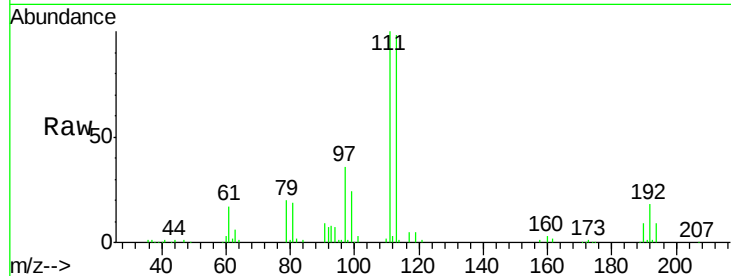
Tgt Ion:113 Resp: 137990

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

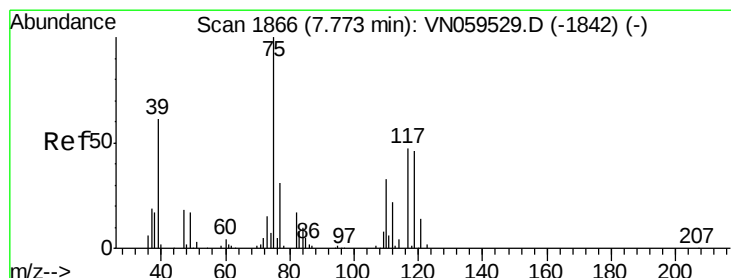
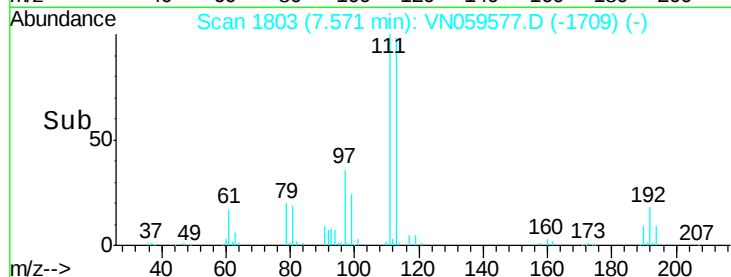
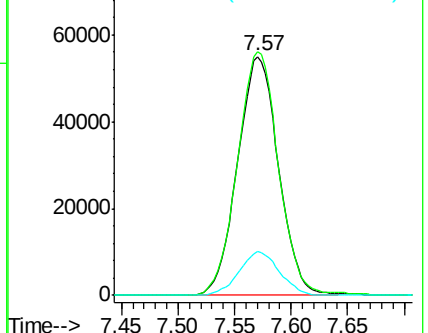
192 18.1 14.8 22.2



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: 19.012 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

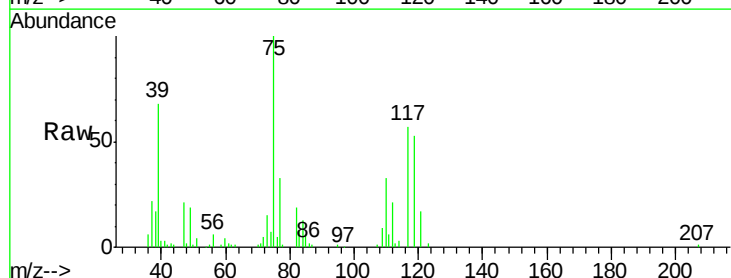
Tgt Ion: 75 Resp: 87561

Ion Ratio Lower Upper

75 100

110 32.4 16.7 50.0

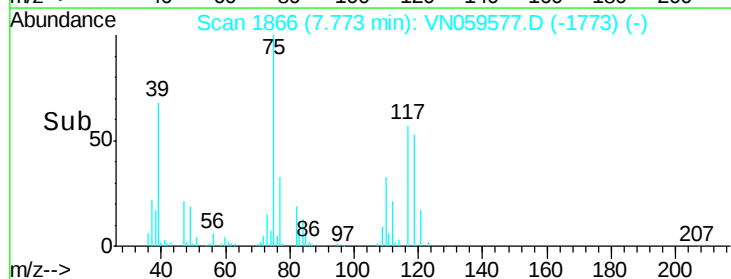
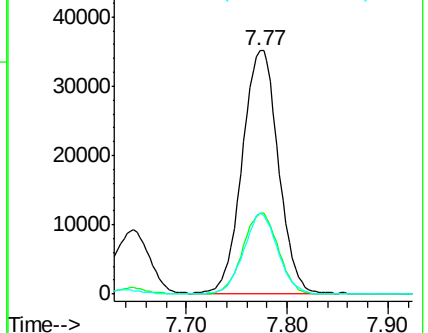
77 31.1 24.6 37.0

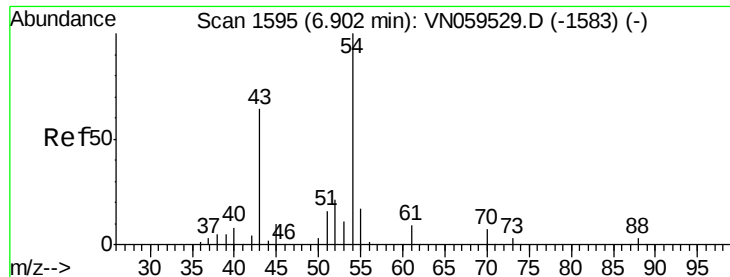


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

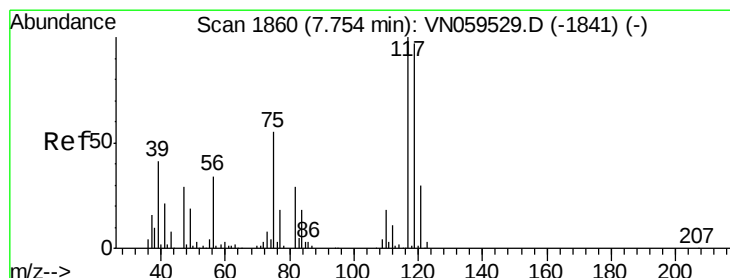
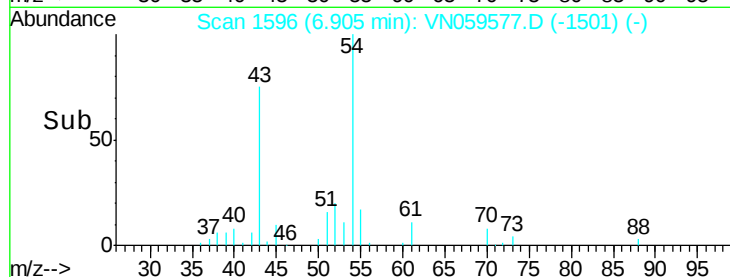
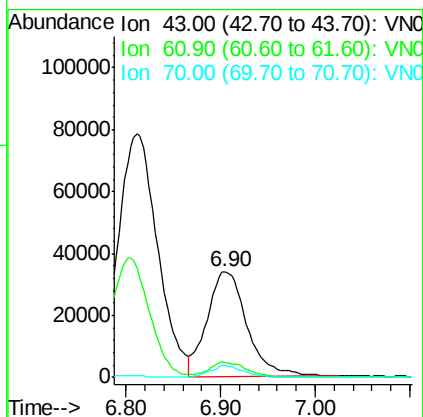
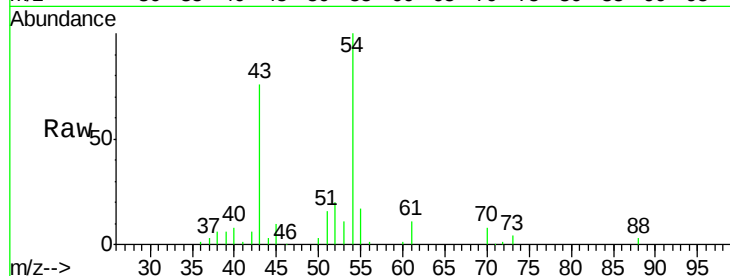




#37
Ethyl Acetate
Concen: 19.434 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

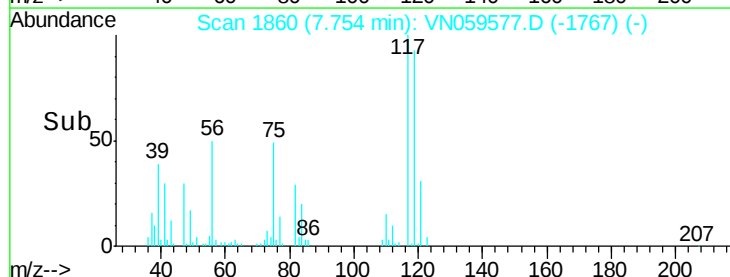
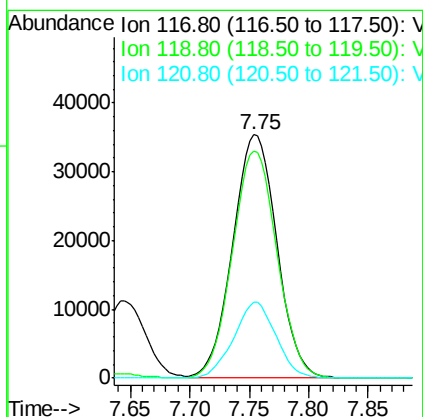
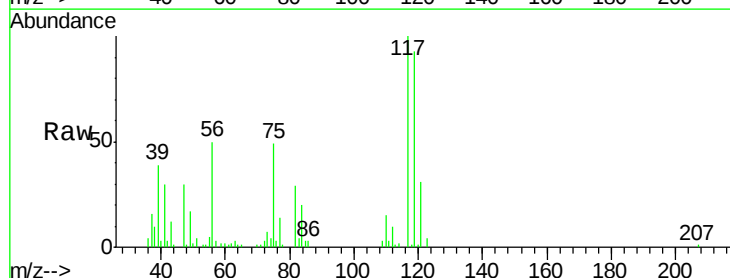
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

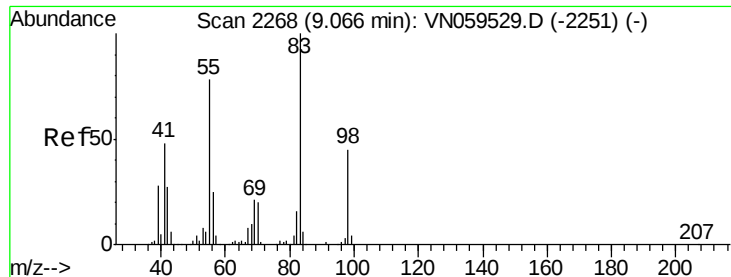
Tgt Ion: 43 Resp: 99163
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 9.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 20.041 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 117 Resp: 90974
Ion Ratio Lower Upper
117 100
119 93.5 77.0 115.4
121 31.1 24.1 36.1

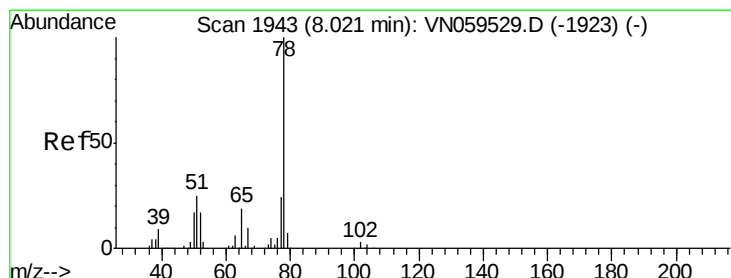
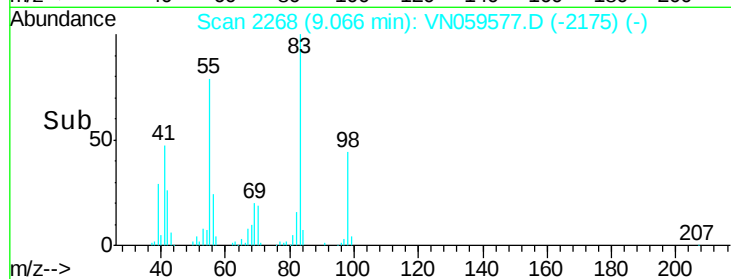
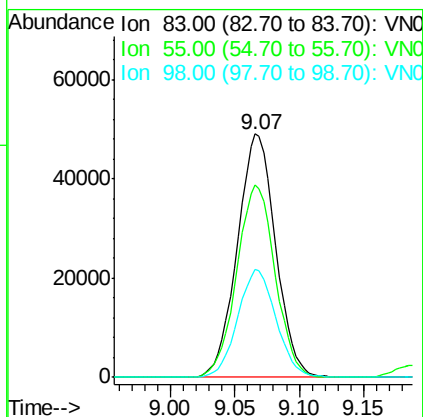
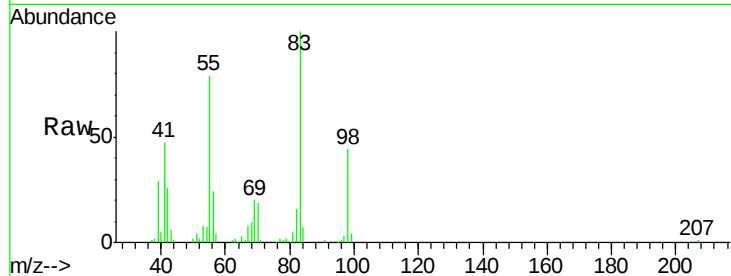




#39
Methylcyclohexane
Concen: 19.615 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

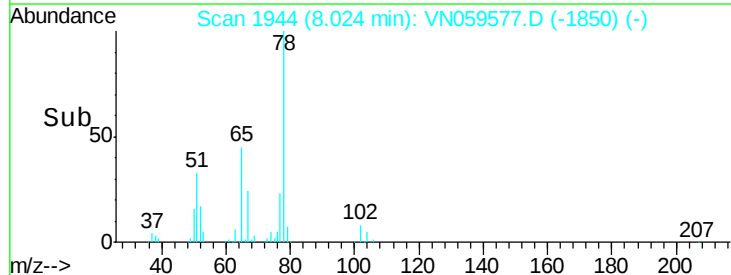
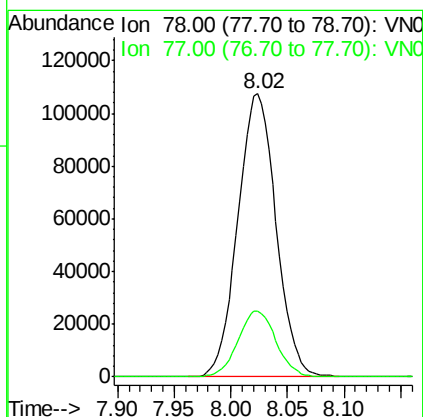
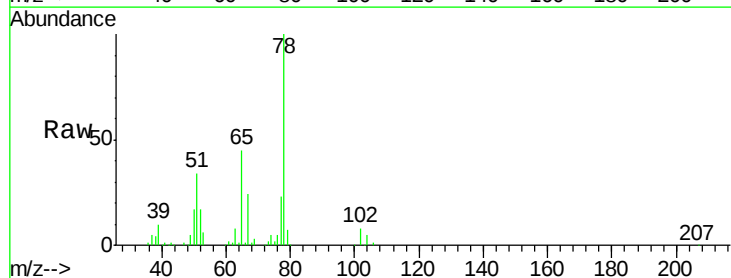
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

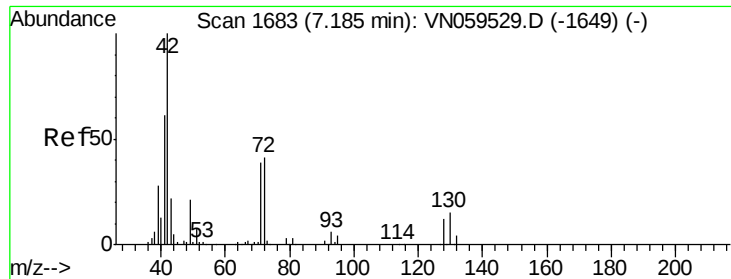
Tgt Ion: 83 Resp: 101334
Ion Ratio Lower Upper
83 100
55 78.8 62.7 94.1
98 44.2 35.7 53.5



#40
Benzene
Concen: 19.233 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 78 Resp: 253037
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

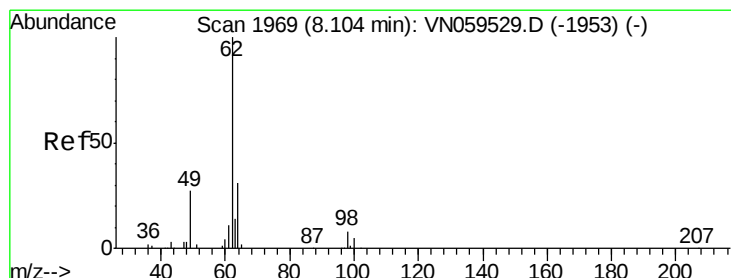
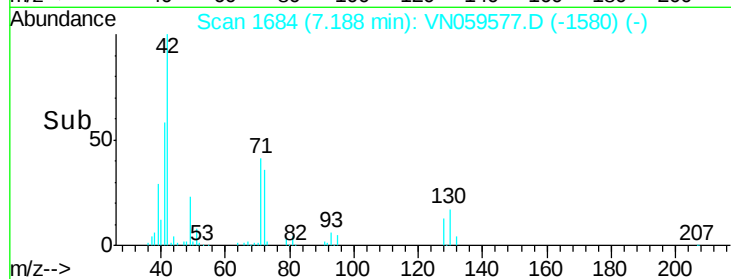
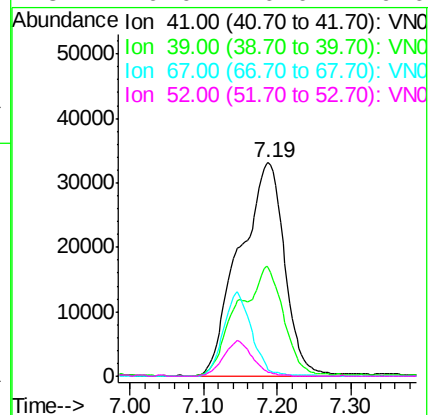
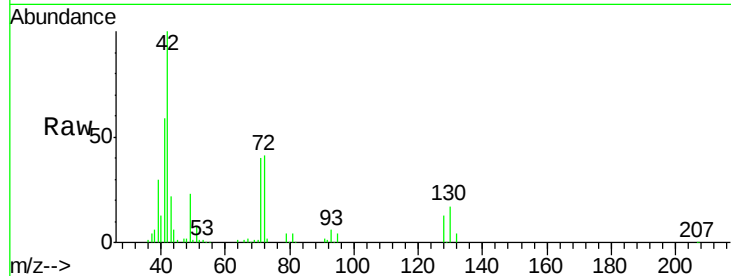




#41
Methacrylonitrile
Concen: 63.263 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

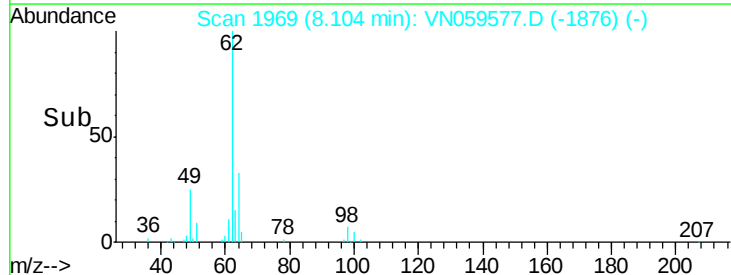
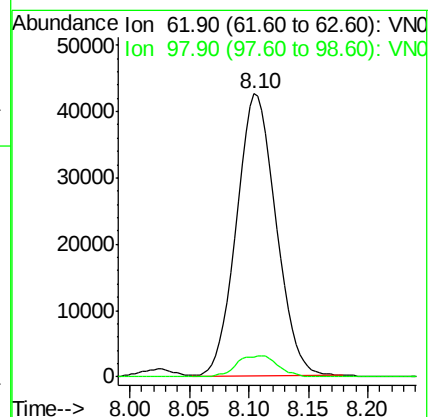
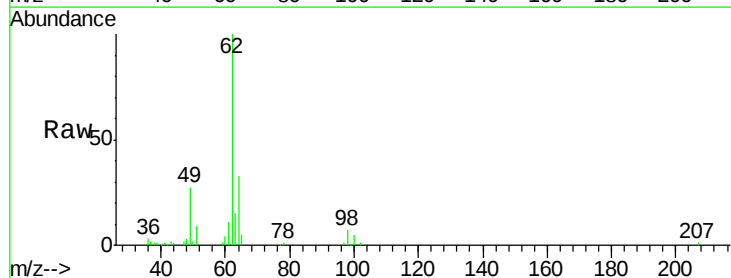
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

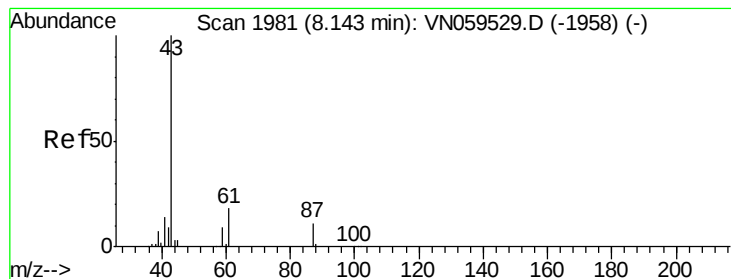
Tgt Ion: 41 Resp: 141590
Ion Ratio Lower Upper
41 100
39 27.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.029 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 62 Resp: 98181
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.4





#43

Isopropyl Acetate

Concen: 19.238 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

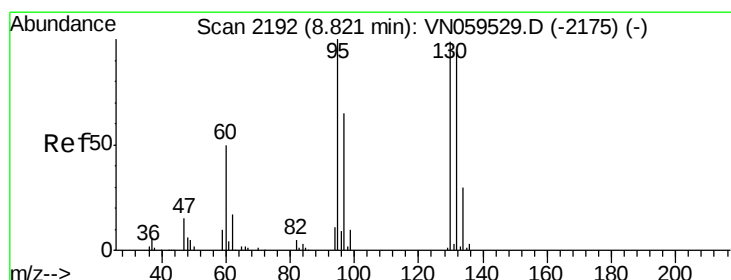
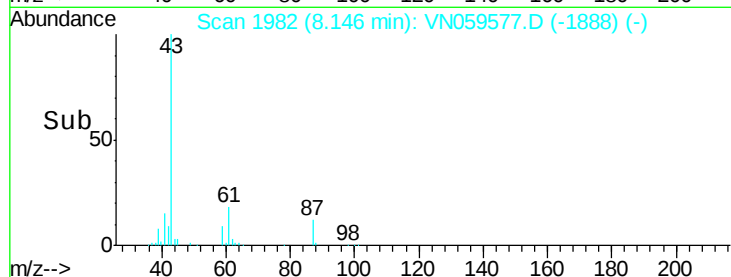
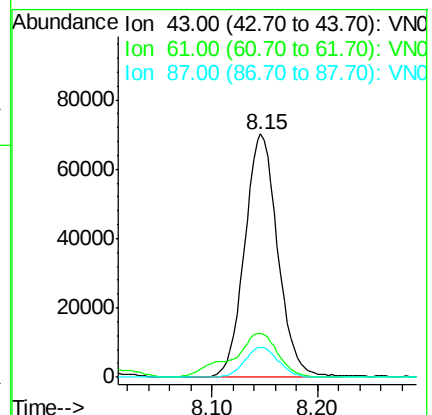
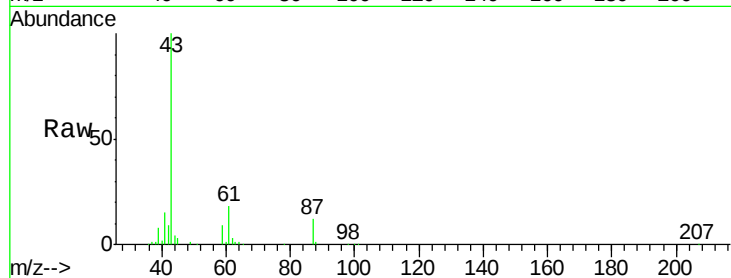
Tgt Ion: 43 Resp: 152945

Ion Ratio Lower Upper

43 100

61 25.3 19.8 29.6

87 12.4 9.4 14.2



#44

Trichloroethene

Concen: 19.467 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059577.D

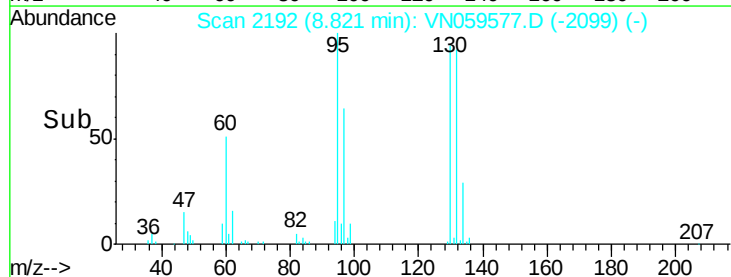
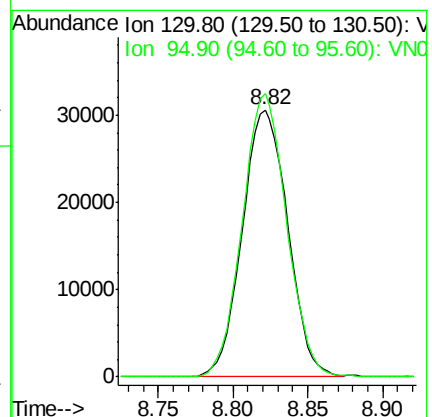
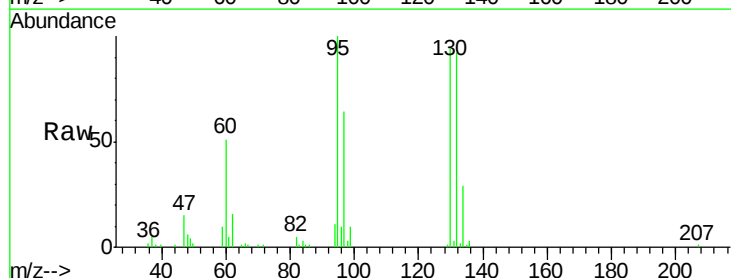
Acq: 12 Dec 2019 16:13

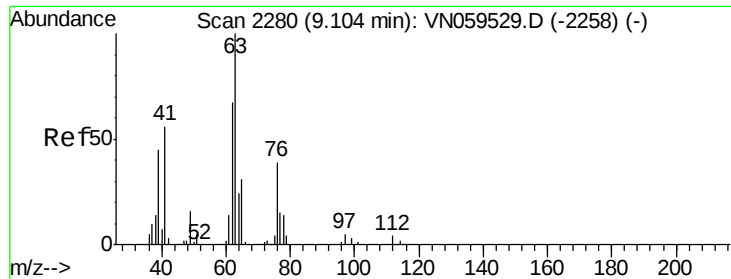
Tgt Ion: 130 Resp: 64705

Ion Ratio Lower Upper

130 100

95 106.1 0.0 202.0

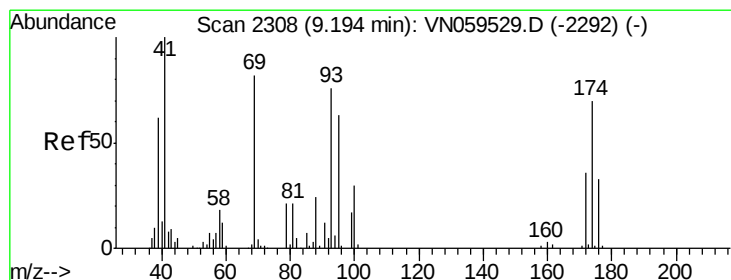
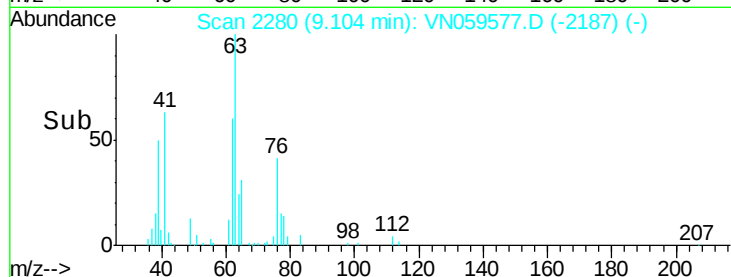
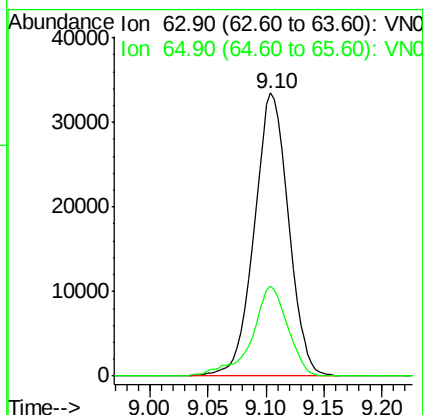
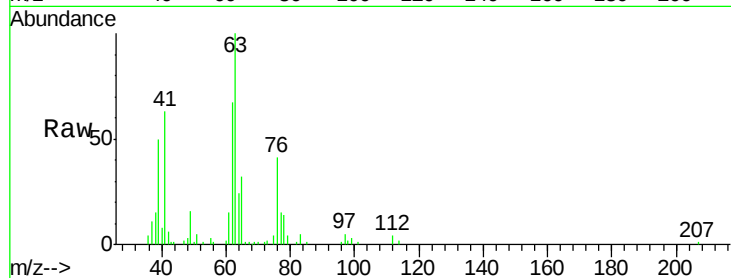




#45
 1,2-Dichloropropane
 Concen: 19.794 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

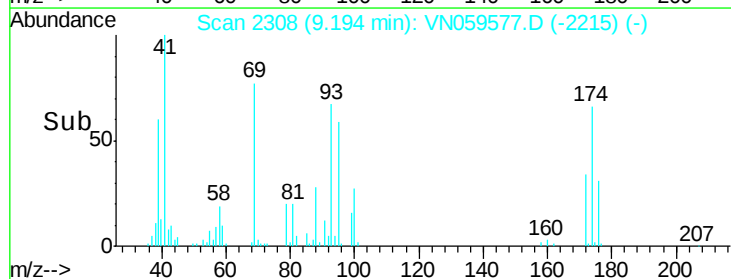
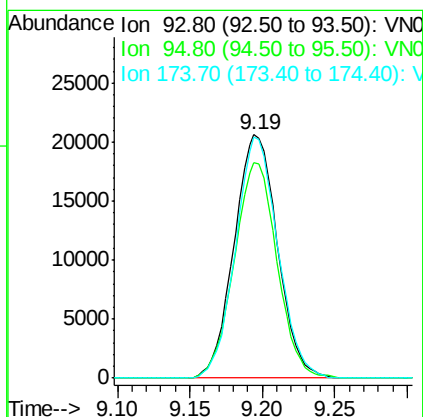
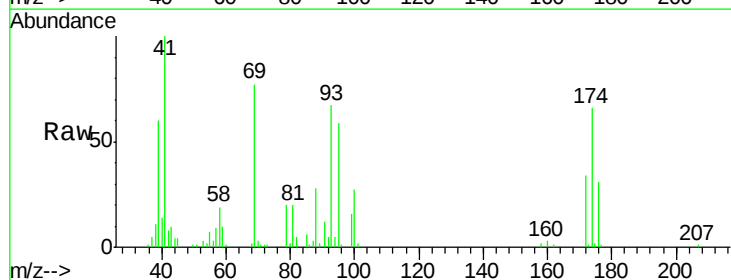
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

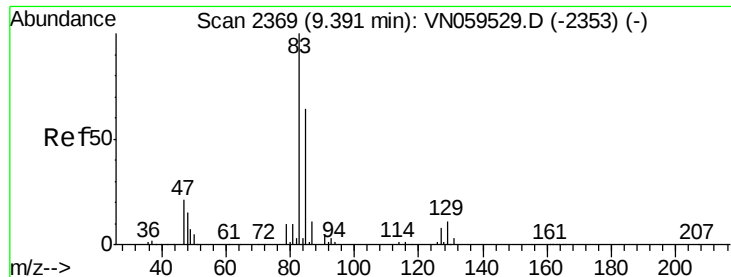
Tgt Ion: 63 Resp: 68989
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2



#46
 Dibromomethane
 Concen: 18.586 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 93 Resp: 42811
 Ion Ratio Lower Upper
 93 100
 95 87.3 67.0 100.6
 174 96.7 75.6 113.4





#47

Bromodichloromethane

Concen: 19.750 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

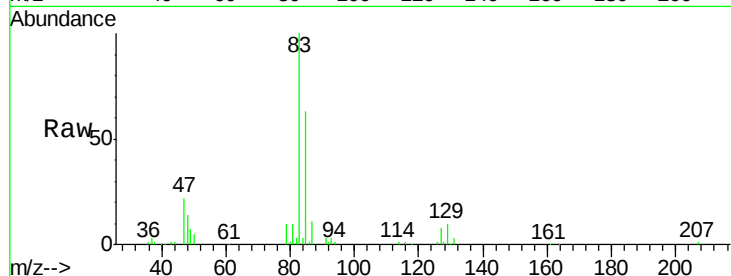
Tgt Ion: 83 Resp: 90410

Ion Ratio Lower Upper

83 100

85 62.9 51.4 77.0

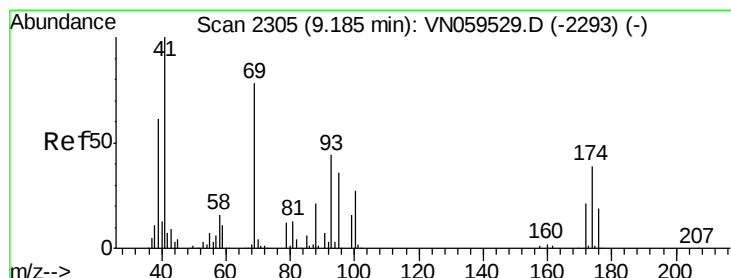
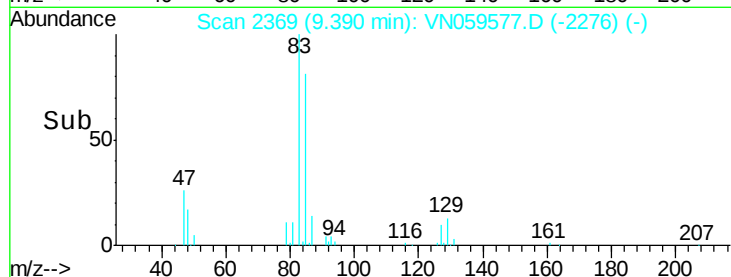
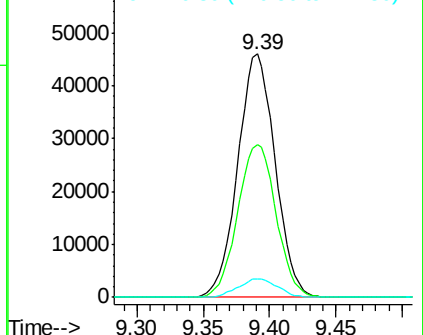
127 7.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN059577.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059577.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059577.D (-2276) (-)



#48

Methyl methacrylate

Concen: 19.265 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

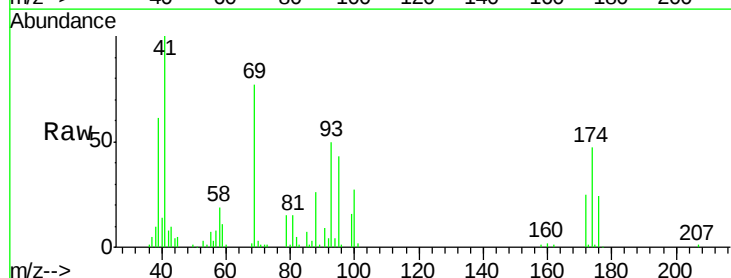
Tgt Ion: 41 Resp: 66966

Ion Ratio Lower Upper

41 100

69 79.8 64.0 96.0

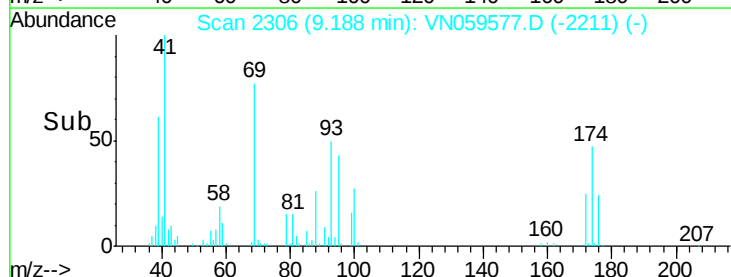
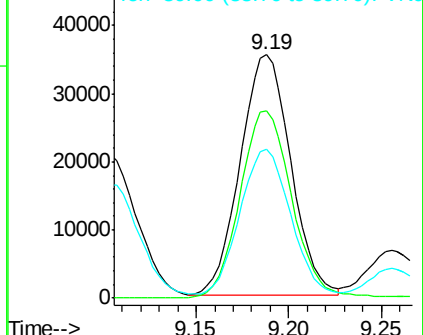
39 63.2 50.0 75.0

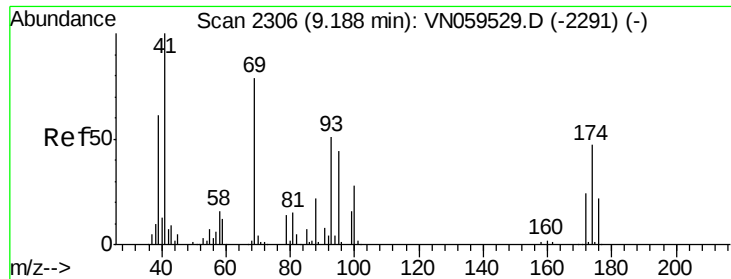


Abundance Ion 41.00 (40.70 to 41.70): VN059577.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN059577.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN059577.D (-2211) (-)

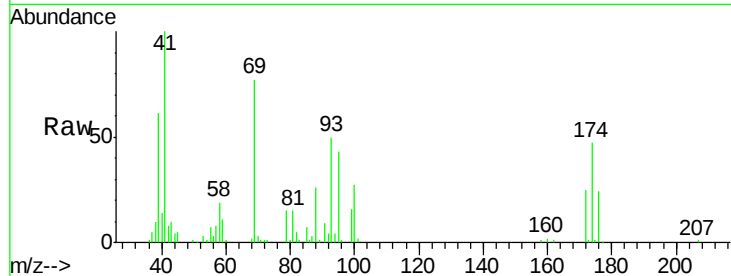




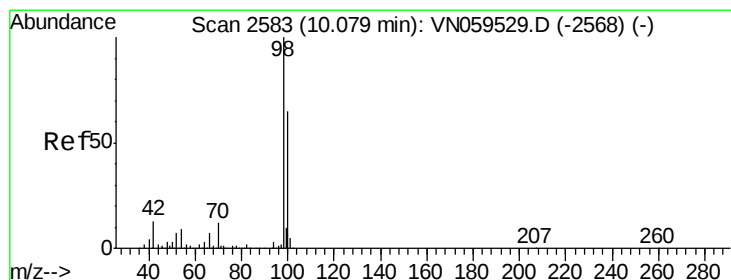
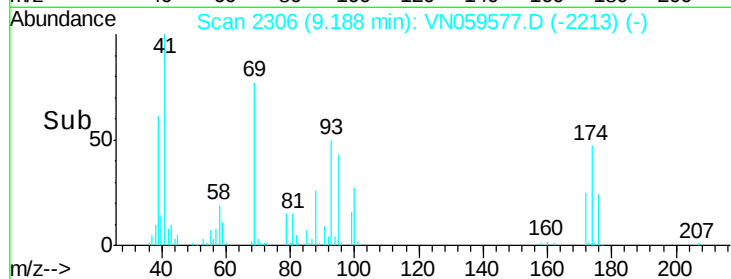
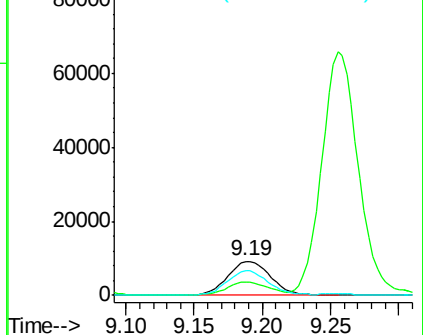
#49
1,4-Dioxane
Concen: 450.094 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tgt Ion: 88 Resp: 20018
Ion Ratio Lower Upper
88 100
43 38.0 31.4 47.0
58 69.9 61.0 91.6

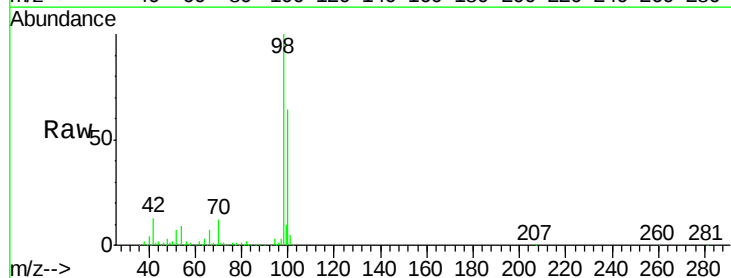


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

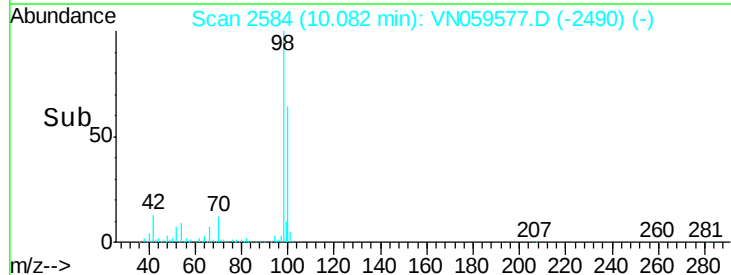
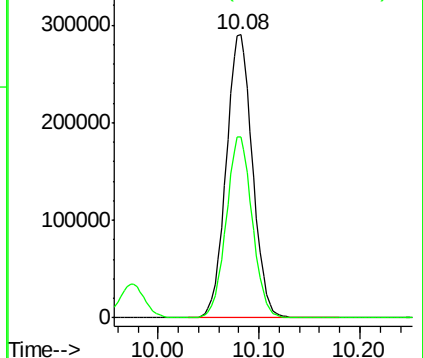


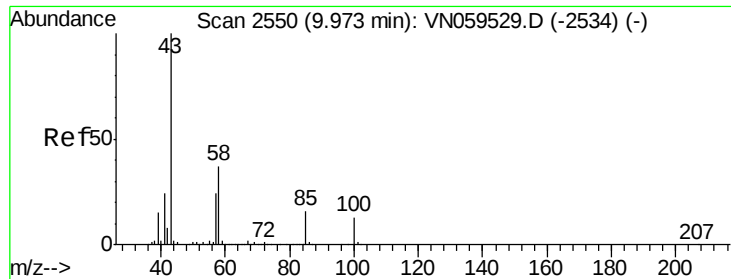
#50
Toluene-d8
Concen: 48.269 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 98 Resp: 527872
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.8



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

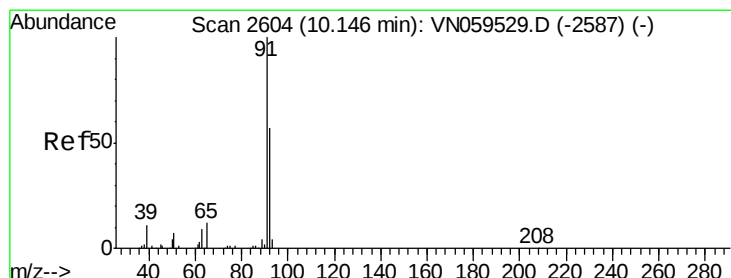
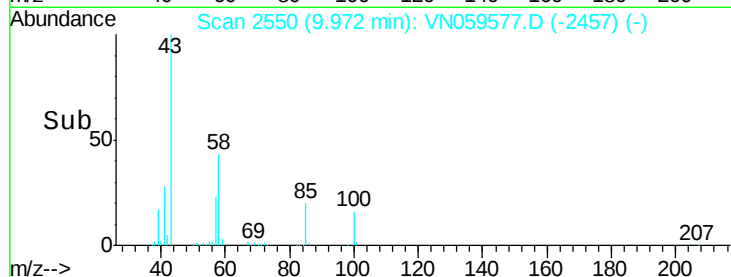
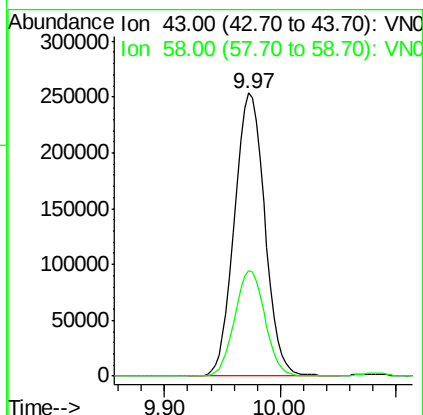
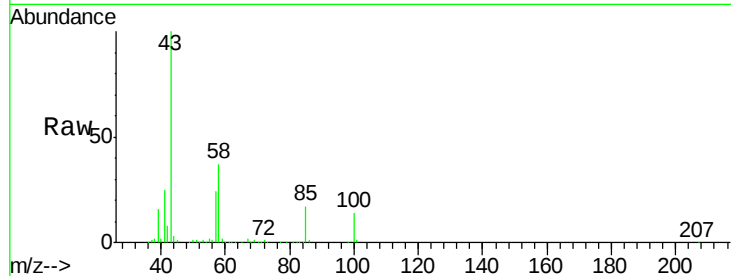




#51
 4-Methyl-2-Pentanone
 Concen: 90.651 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

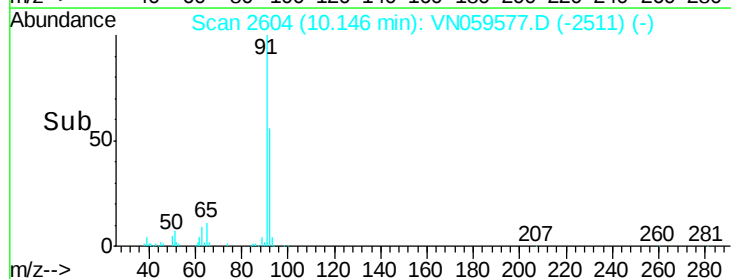
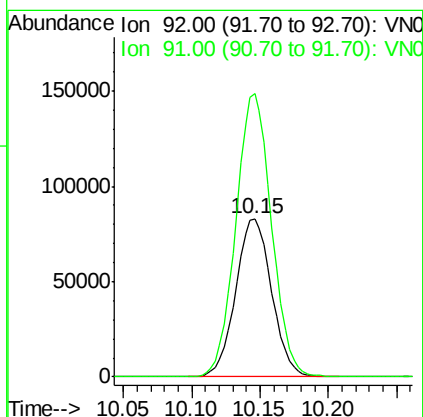
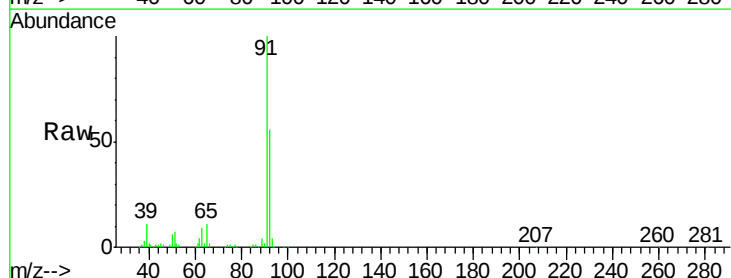
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

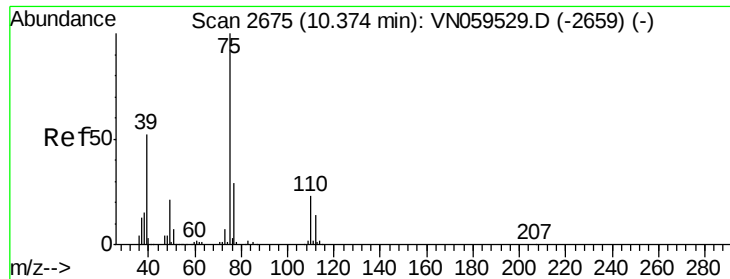
Tgt Ion: 43 Resp: 460515
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.1 45.1



#52
 Toluene
 Concen: 19.368 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 92 Resp: 151827
 Ion Ratio Lower Upper
 92 100
 91 177.7 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.839 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

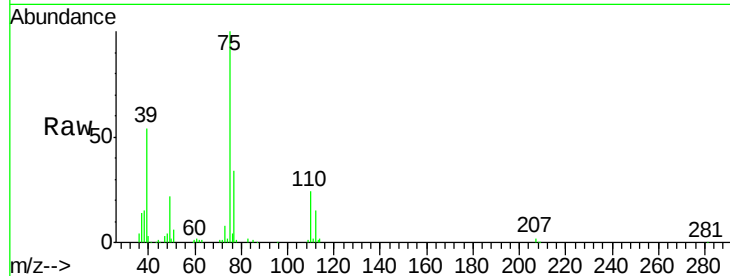
VN1212WBSD01

Tgt Ion: 75 Resp: 100479

Ion Ratio Lower Upper

75 100

77 32.1 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

60000

50000

40000

30000

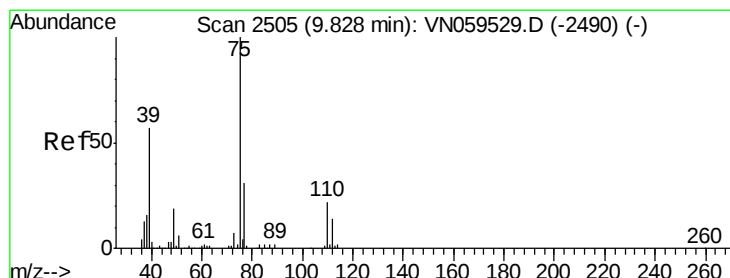
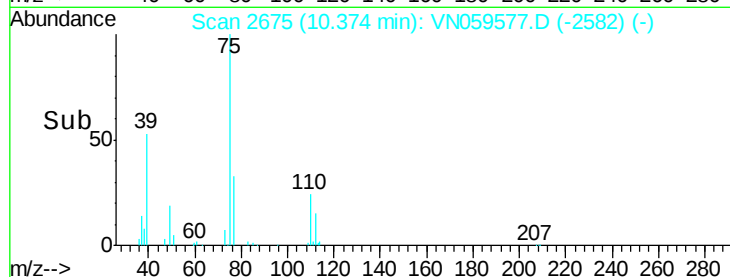
20000

10000

0

10.30 10.35 10.40 10.45

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.936 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

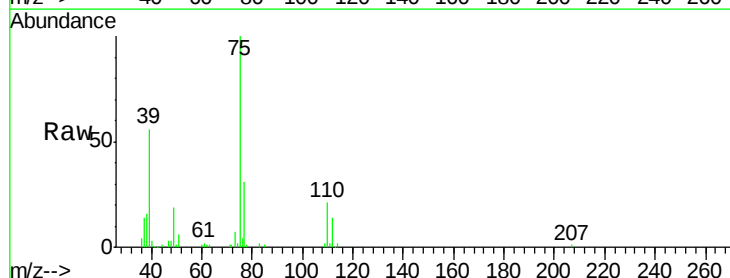
Tgt Ion: 75 Resp: 108829

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 56.2 45.6 68.4



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

80000

60000

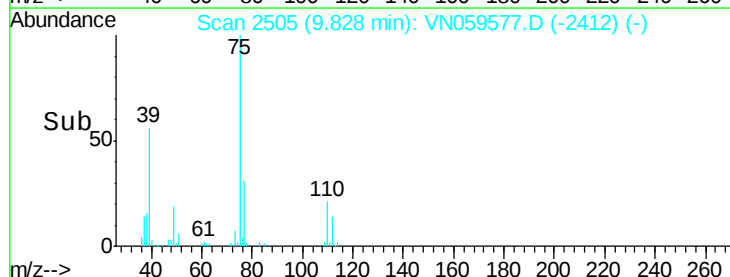
40000

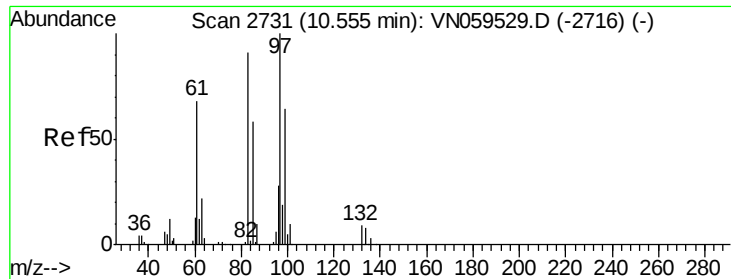
20000

0

9.75 9.80 9.85 9.90

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.101 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tgt Ion: 97 Resp: 60558

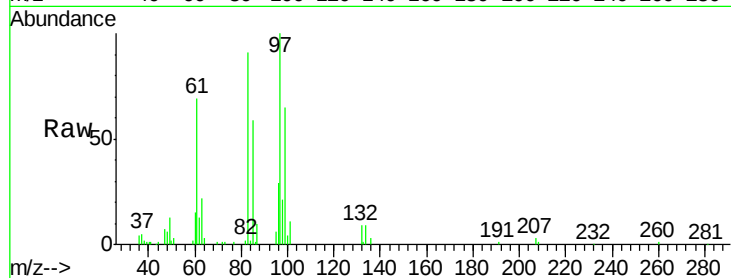
Ion Ratio Lower Upper

97 100

83 90.9 72.9 109.3

85 59.1 46.1 69.1

99 65.1 50.8 76.2



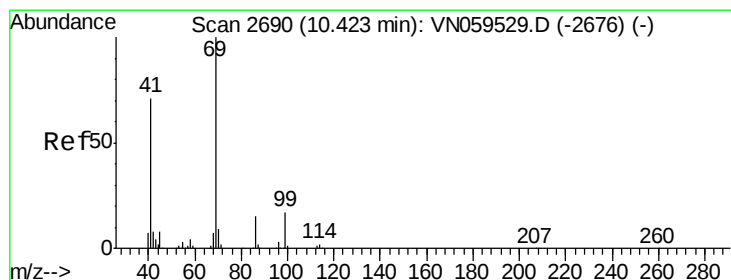
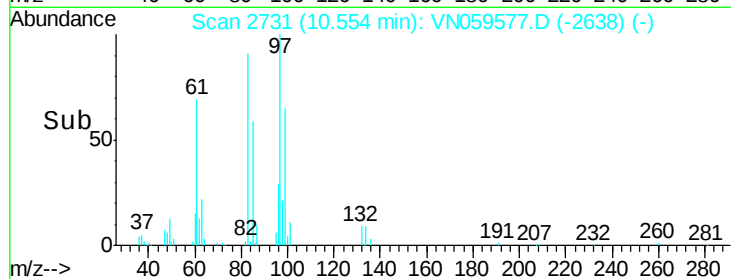
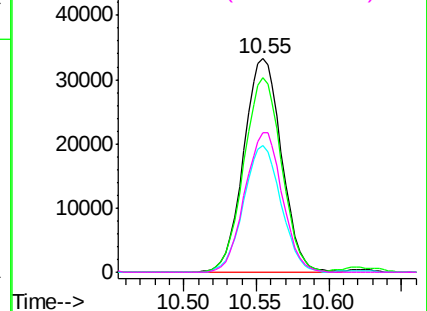
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.231 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

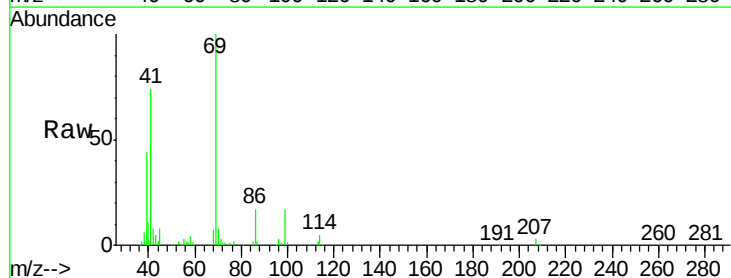
Tgt Ion: 69 Resp: 86156

Ion Ratio Lower Upper

69 100

41 73.1 57.7 86.5

39 42.9 34.2 51.2

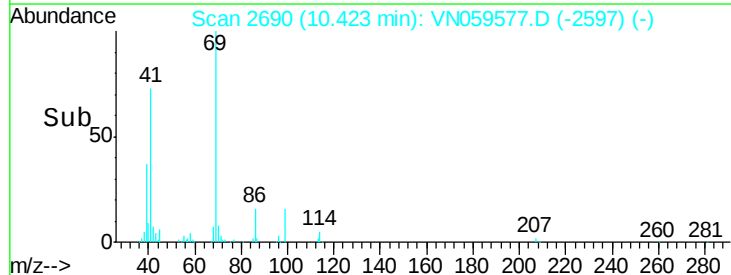
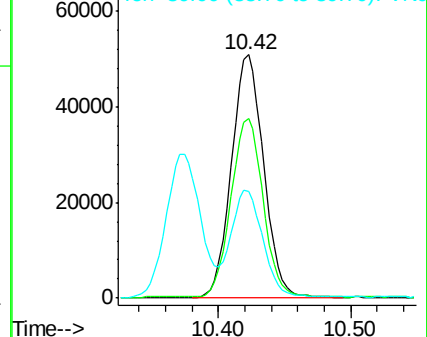


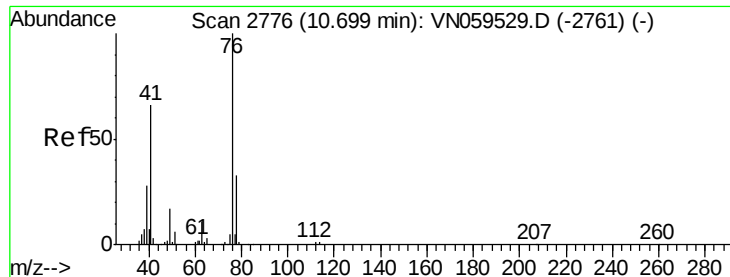
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.795 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

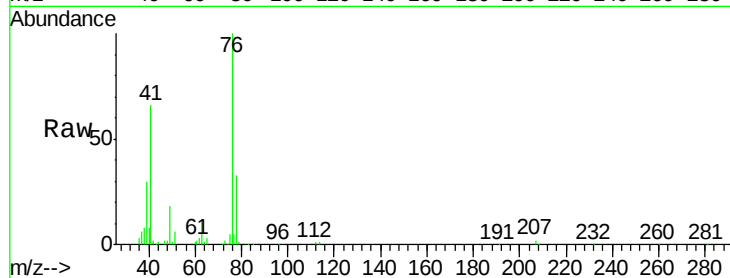
VN1212WBSD01

Tgt Ion: 76 Resp: 107183

Ion Ratio Lower Upper

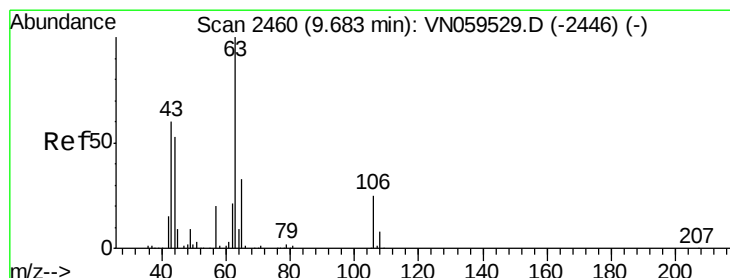
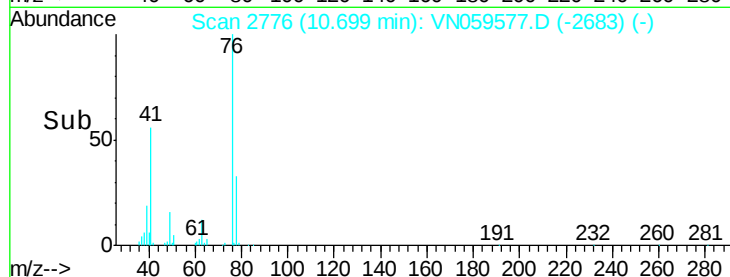
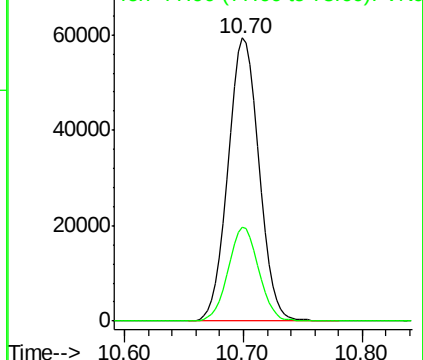
76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 103.777 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059577.D

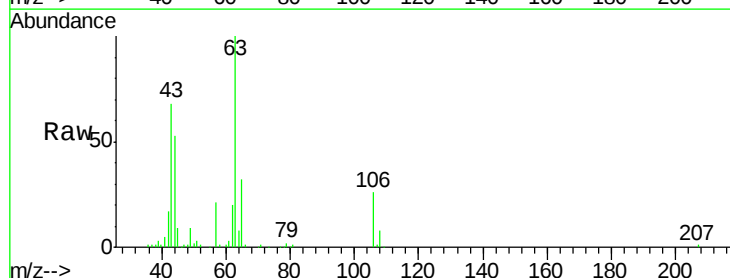
Acq: 12 Dec 2019 16:13

Tgt Ion: 63 Resp: 134785

Ion Ratio Lower Upper

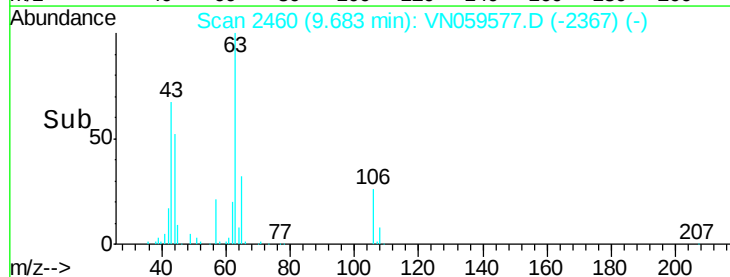
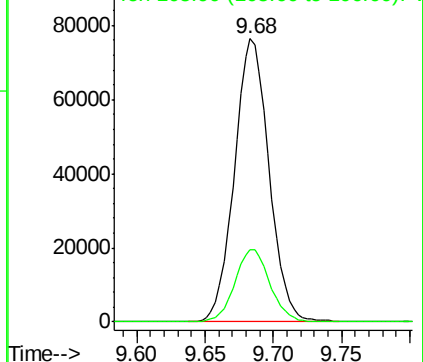
63 100

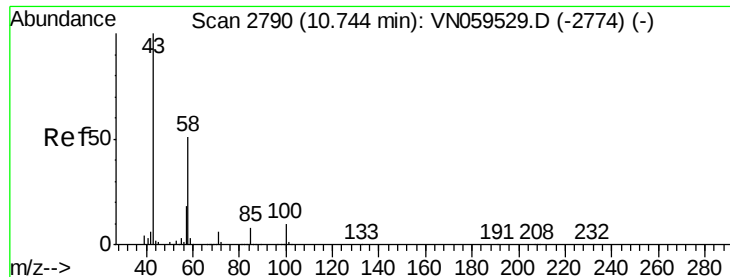
106 25.8 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

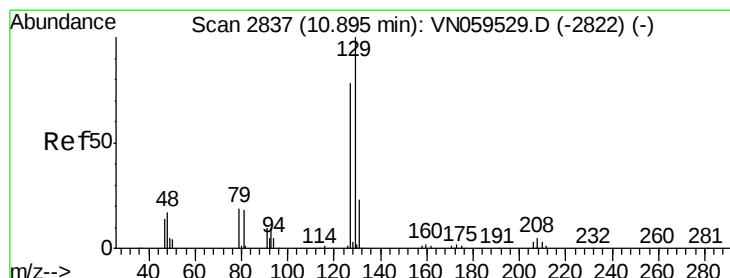
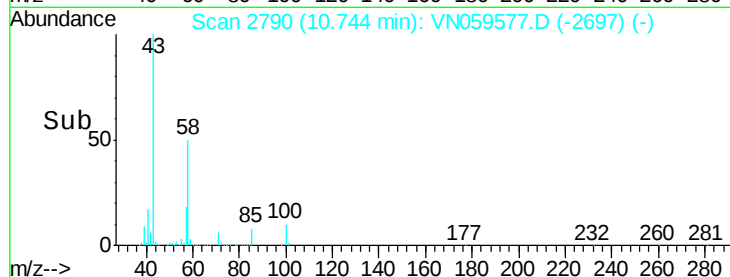
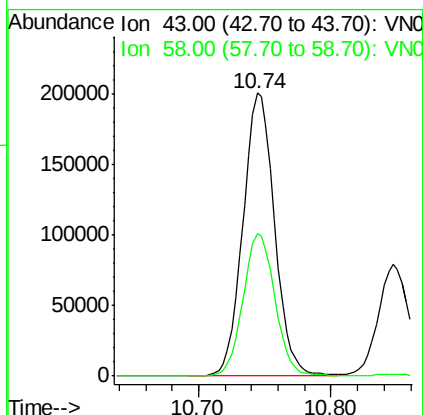
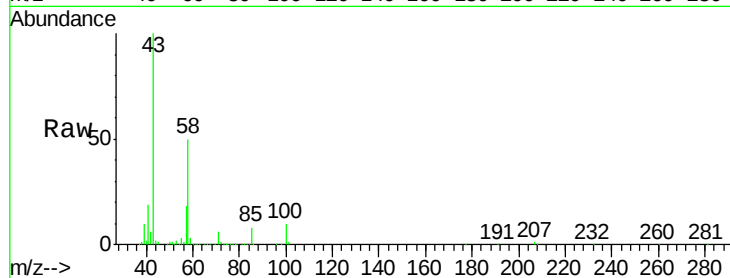




#59
2-Hexanone
Concen: 87.719 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

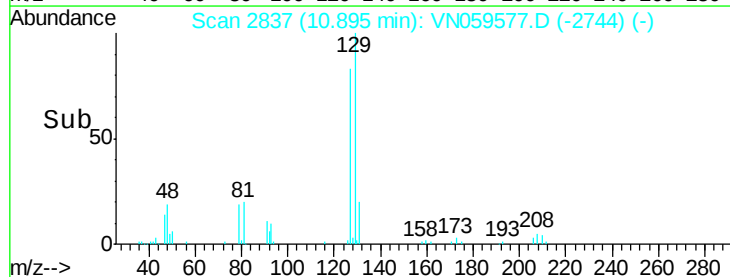
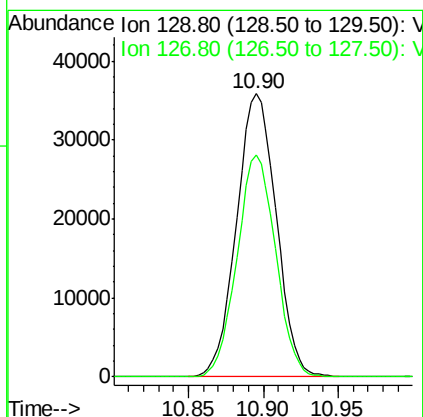
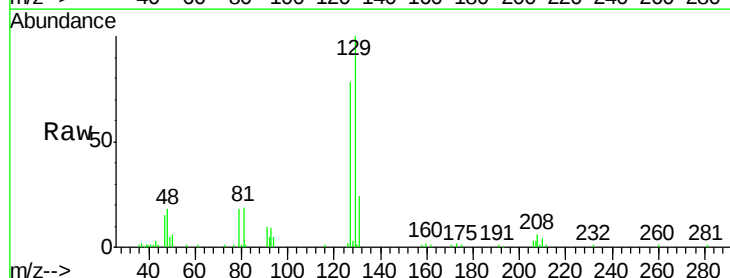
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

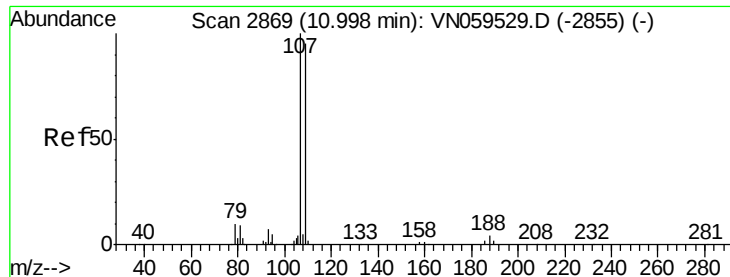
Tgt Ion: 43 Resp: 332843
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.6



#60
Dibromochloromethane
Concen: 18.215 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 129 Resp: 66350
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.6

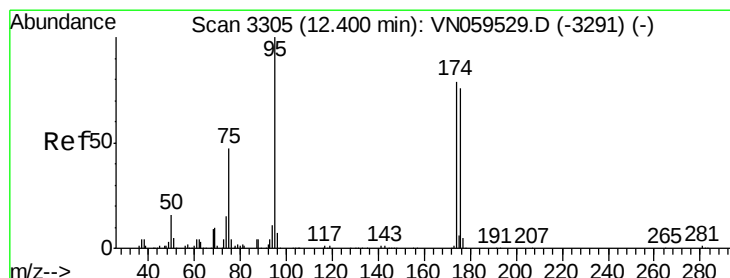
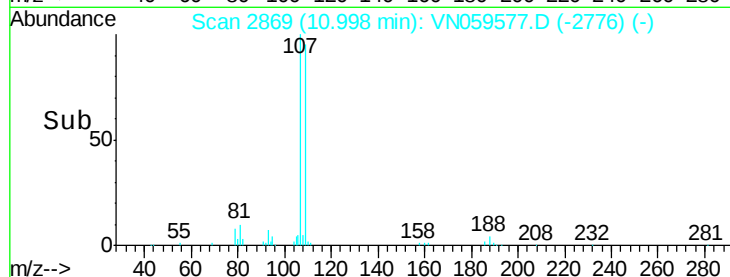
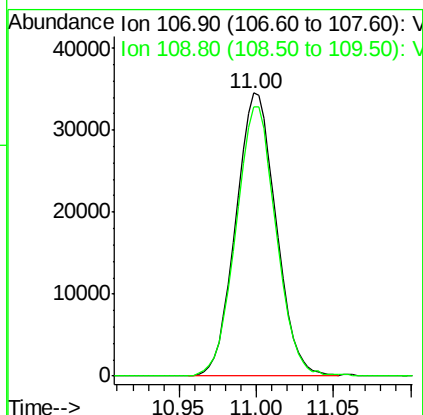
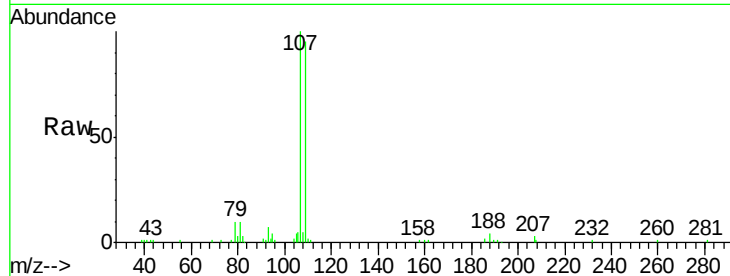




#61
 1,2-Dibromoethane
 Concen: 18.882 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

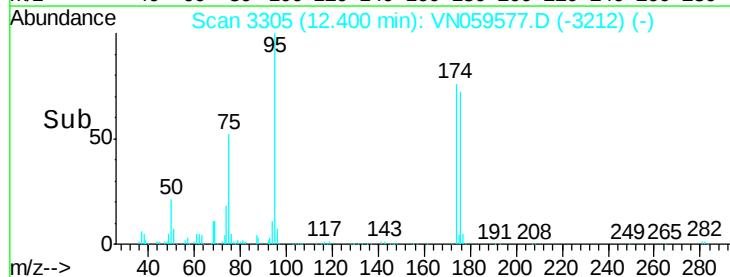
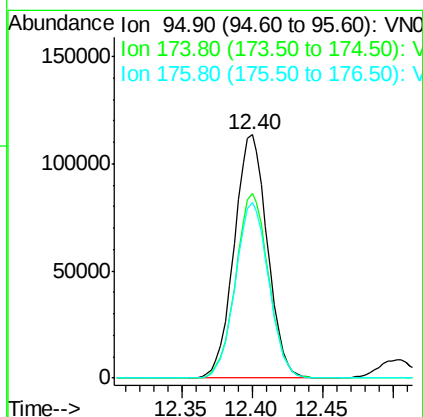
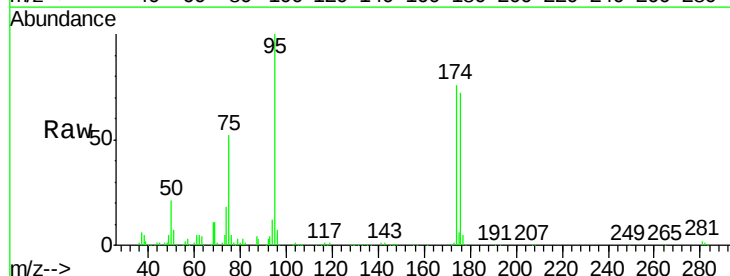
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

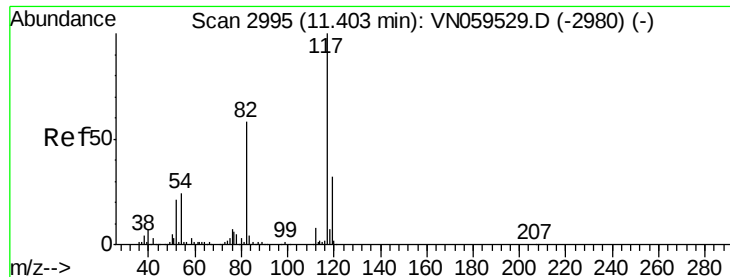
Tgt Ion: 107 Resp: 62320
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 46.312 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 95 Resp: 187480
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 158.0
 176 72.6 0.0 155.4

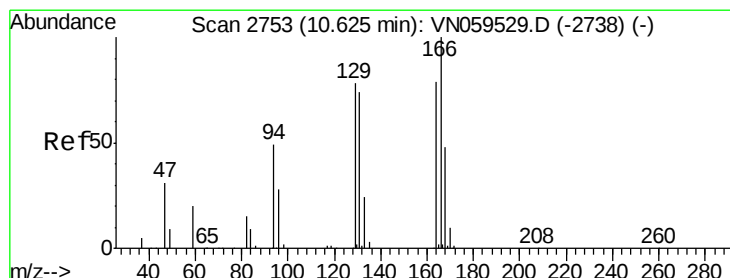
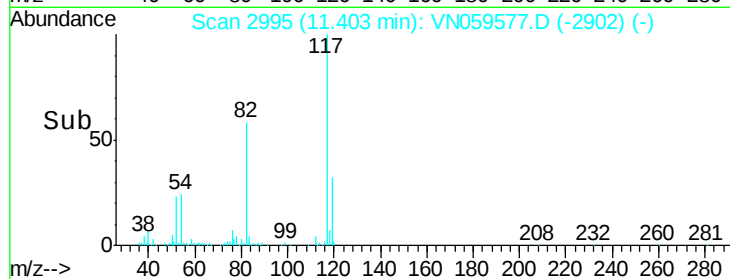
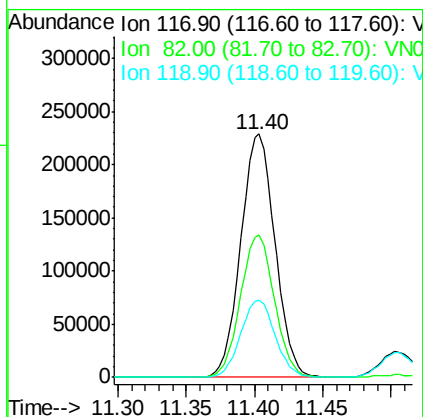
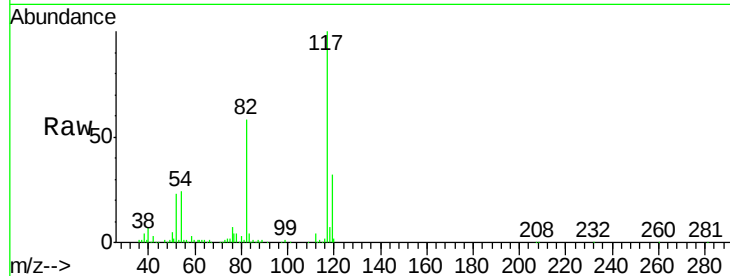




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

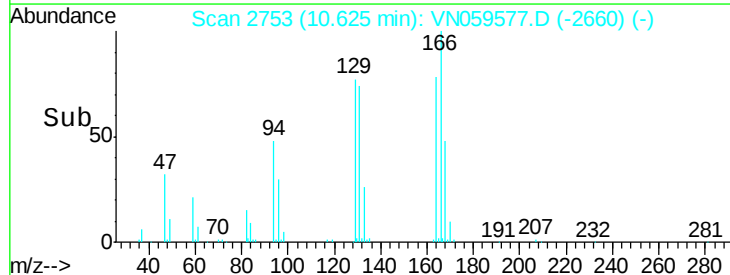
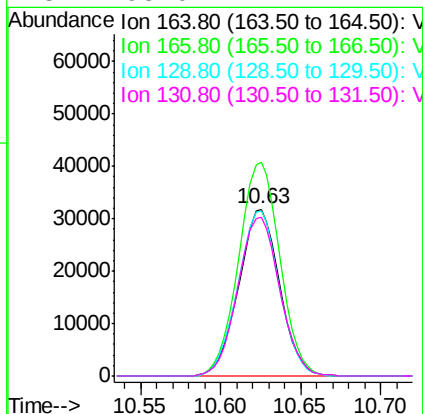
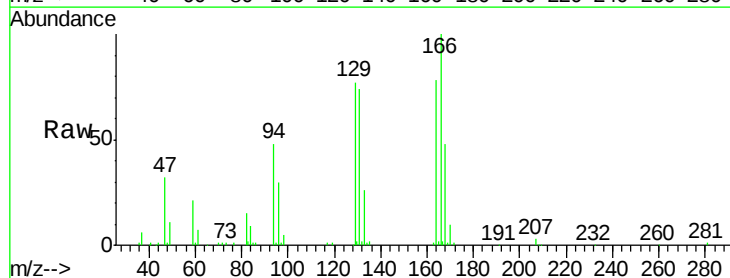
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

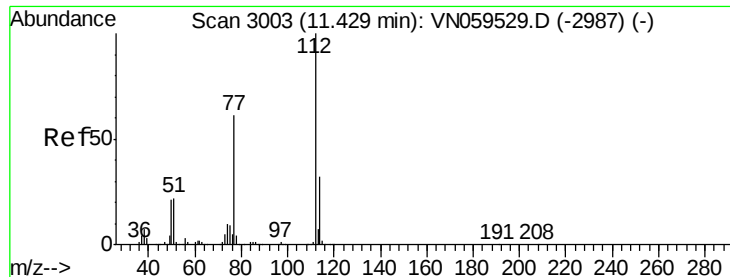
Tgt Ion:117 Resp: 398575
Ion Ratio Lower Upper
117 100
82 58.4 46.5 69.7
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 19.013 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion:164 Resp: 55384
Ion Ratio Lower Upper
164 100
166 128.2 101.6 152.4
129 99.2 79.0 118.6
131 95.0 74.7 112.1





#65

Chlorobenzene

Concen: 19.113 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

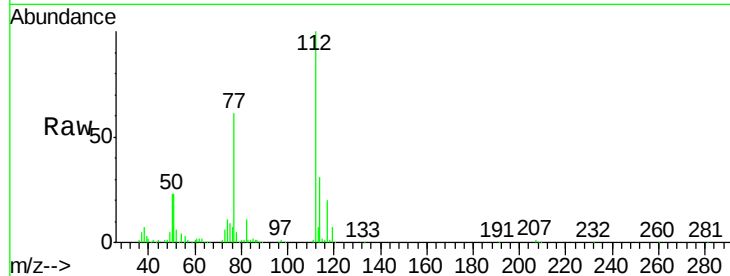
VN1212WBSD01

Tgt Ion:112 Resp: 159618

Ion Ratio Lower Upper

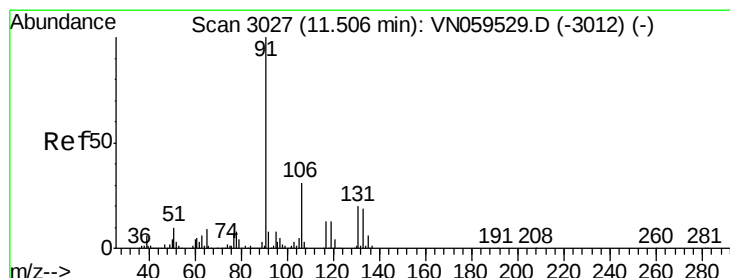
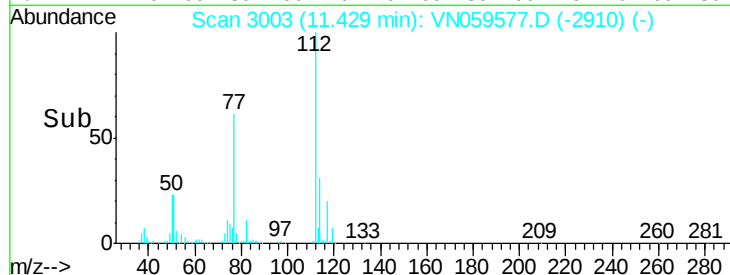
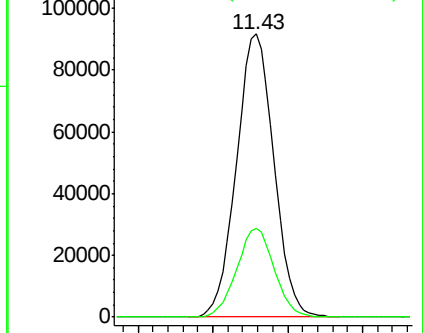
112 100

114 31.4 26.0 39.0



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: 19.638 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

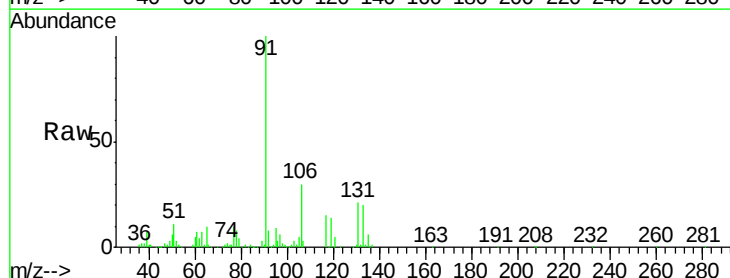
Tgt Ion:131 Resp: 61170

Ion Ratio Lower Upper

131 100

133 96.0 47.8 143.3

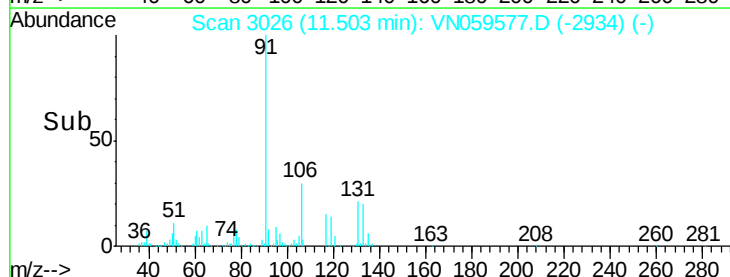
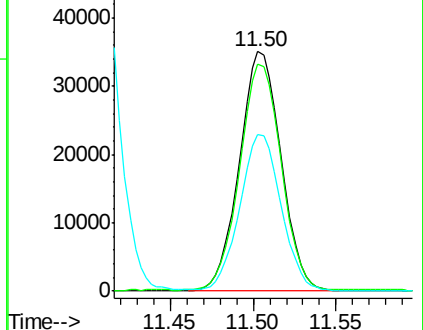
119 65.3 33.4 100.2

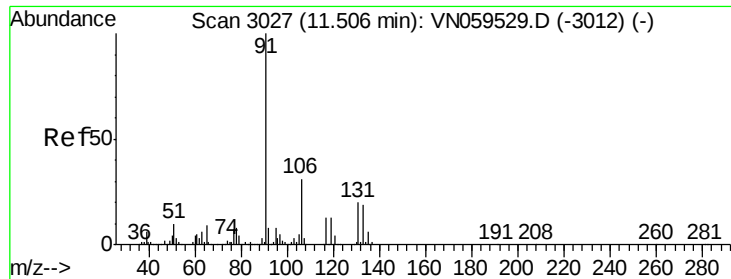


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.308 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

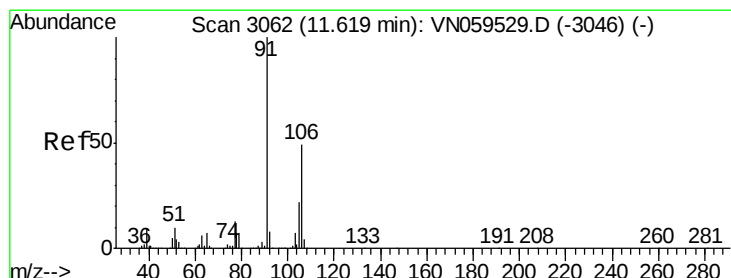
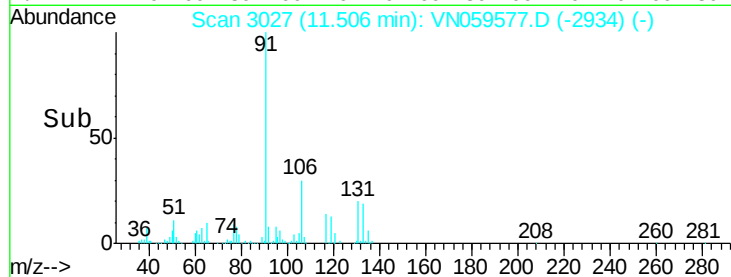
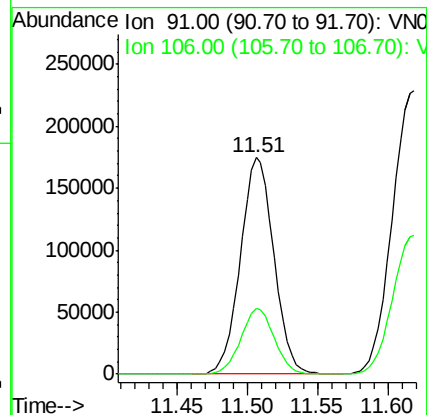
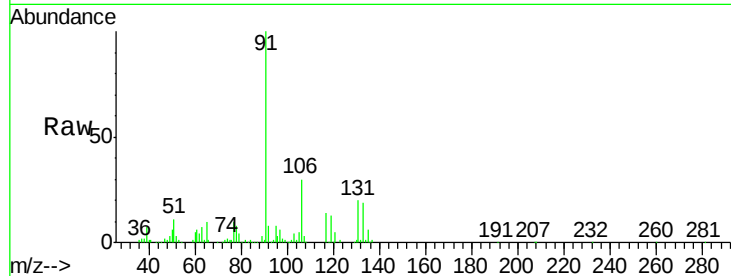
VN1212WBSD01

Tgt Ion: 91 Resp: 290170

Ion Ratio Lower Upper

91 100

106 30.2 24.5 36.7



#68

m/p-Xylenes

Concen: 38.318 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059577.D

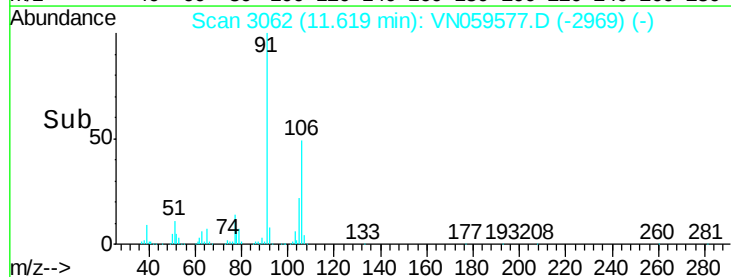
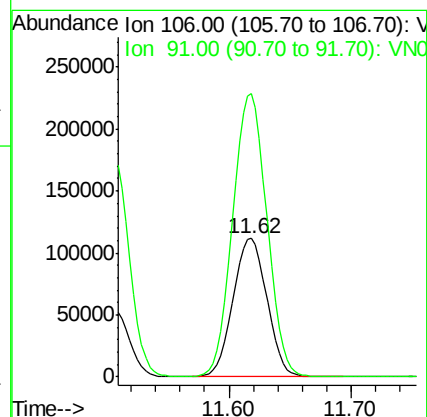
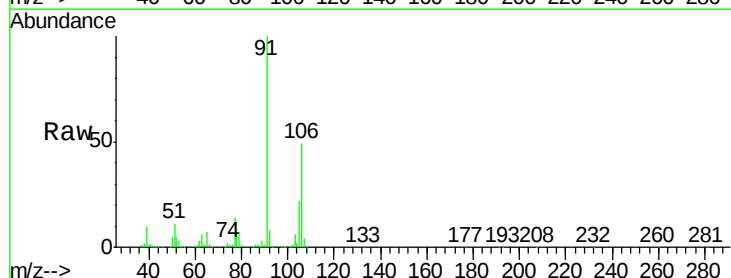
Acq: 12 Dec 2019 16:13

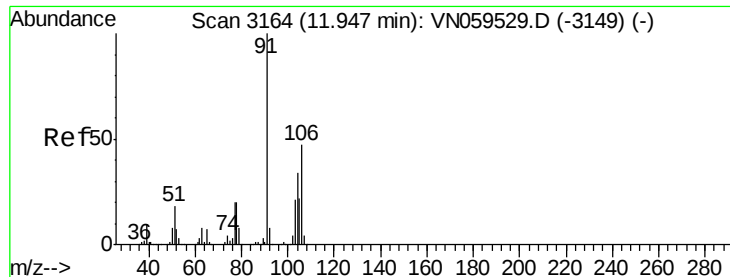
Tgt Ion: 106 Resp: 216020

Ion Ratio Lower Upper

106 100

91 205.6 162.9 244.3

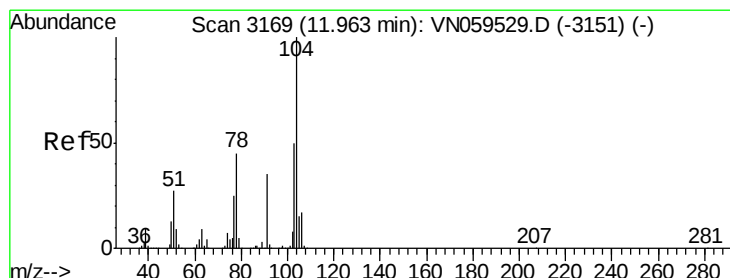
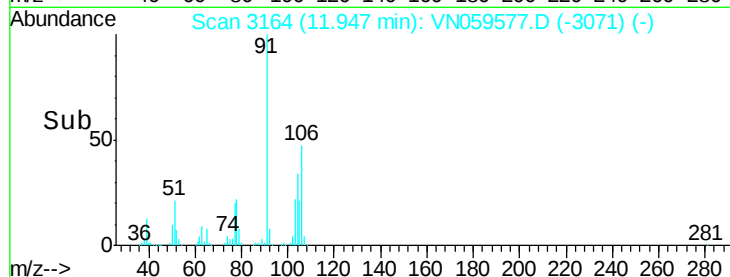
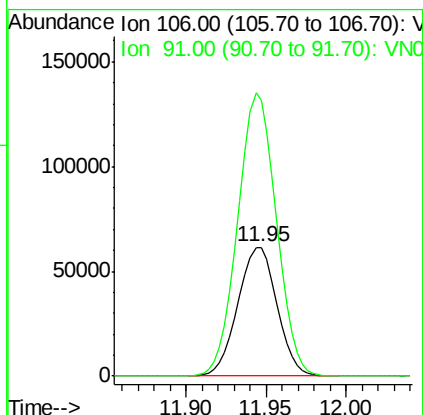
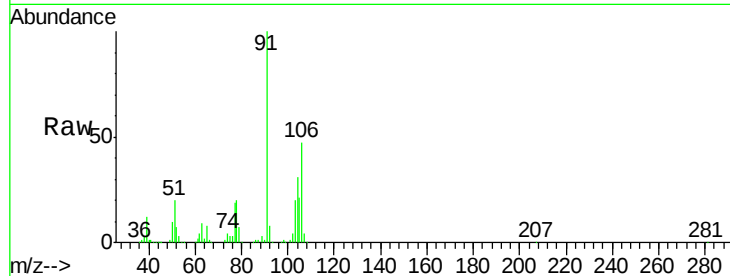




#69
o-Xylene
Concen: 19.578 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

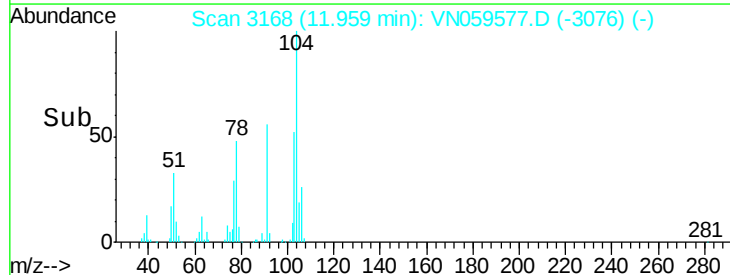
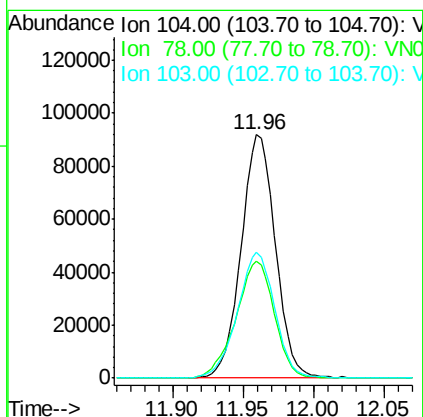
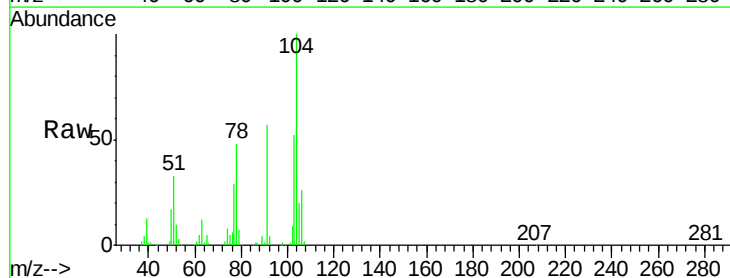
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

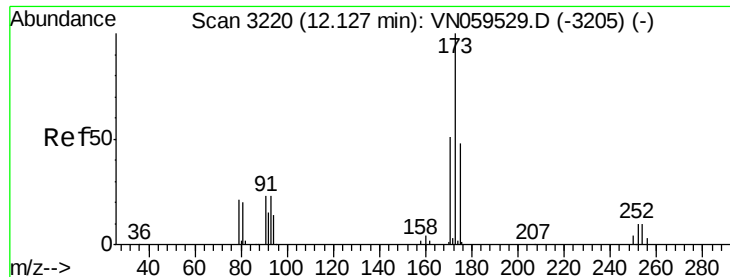
Tgt Ion:106 Resp: 102730
Ion Ratio Lower Upper
106 100
91 216.4 106.7 319.9



#70
Styrene
Concen: 18.075 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion:104 Resp: 157129
Ion Ratio Lower Upper
104 100
78 53.9 40.6 60.8
103 56.4 43.9 65.9

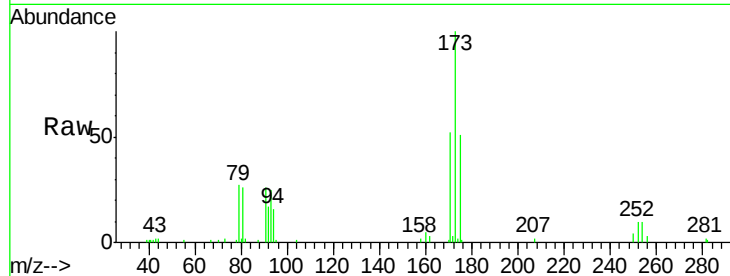




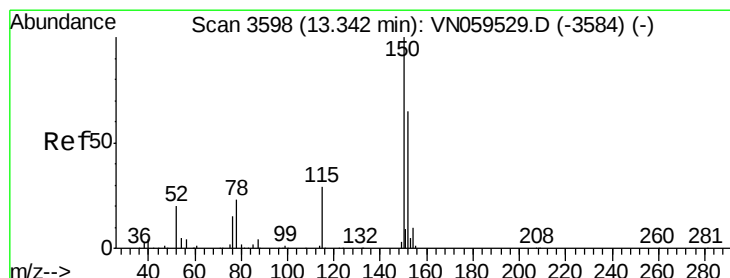
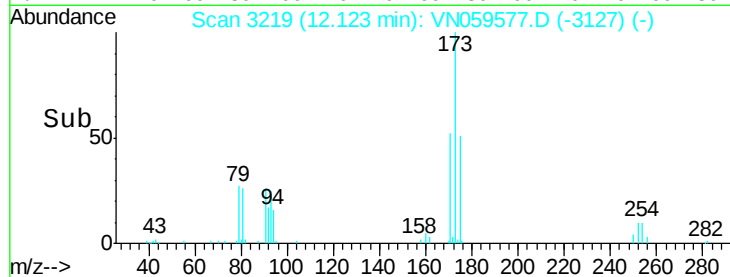
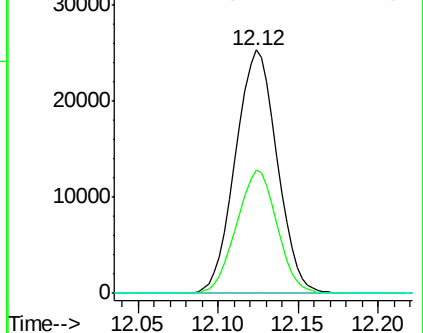
#71
Bromoform
Concen: 18.338 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tgt Ion:173 Resp: 44942
Ion Ratio Lower Upper
173 100
175 49.1 24.1 72.4
254 0.0 0.0 0.0

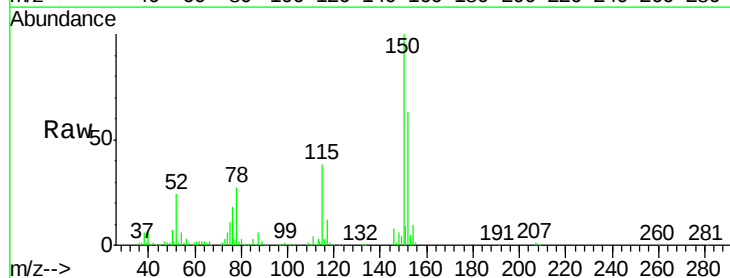


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

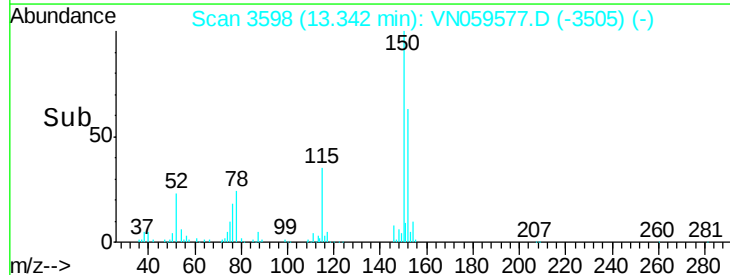
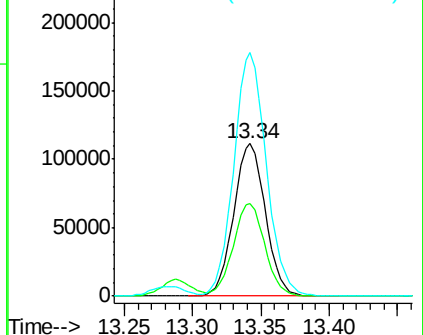


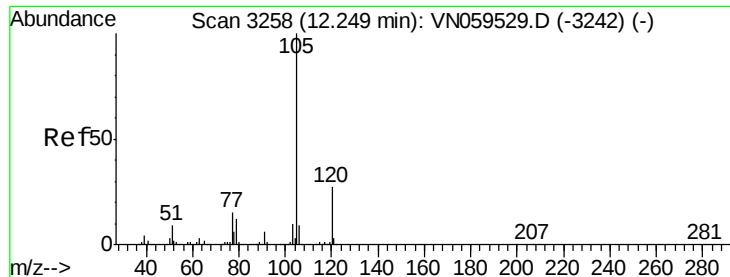
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion:152 Resp: 179631
Ion Ratio Lower Upper
152 100
115 61.0 29.4 88.2
150 164.0 0.0 342.4



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: 20.368 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

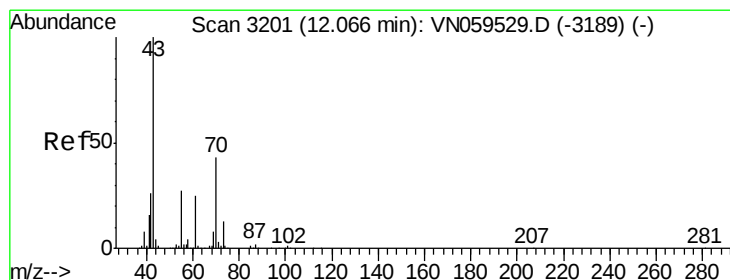
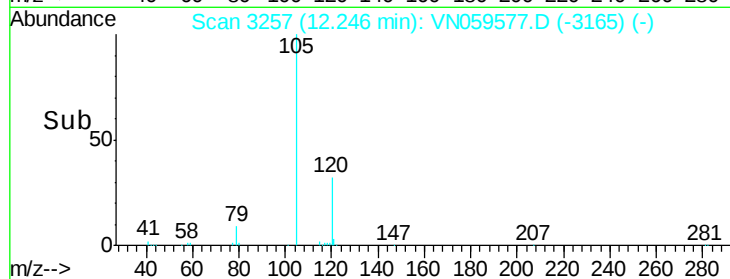
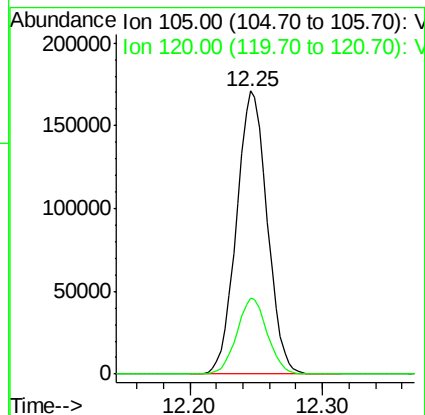
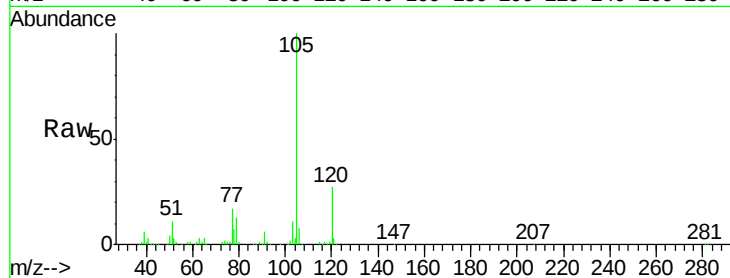
VN1212WBSD01

Tgt Ion: 105 Resp: 274443

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



#74

N-ethyl acetate

Concen: 19.517 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion: 43 Resp: 114552

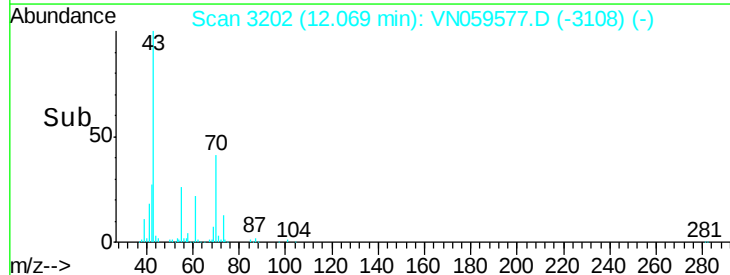
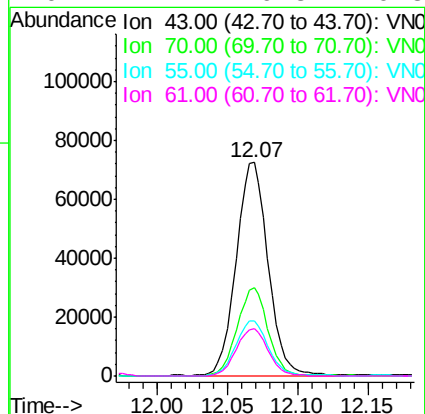
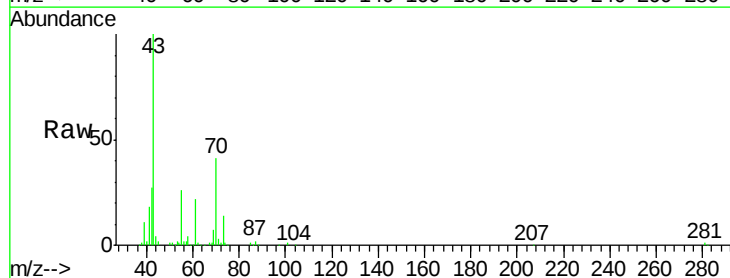
Ion Ratio Lower Upper

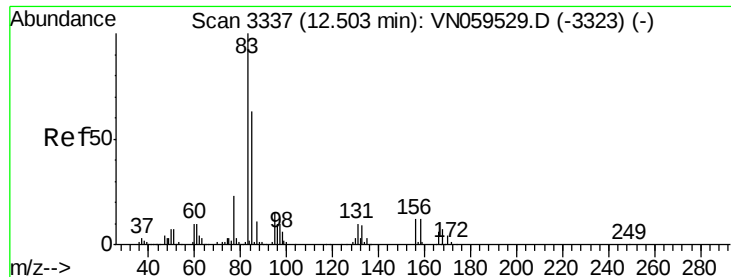
43 100

70 40.0 34.2 51.4

55 26.5 21.3 31.9

61 22.2 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.486 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN1212WBSD01

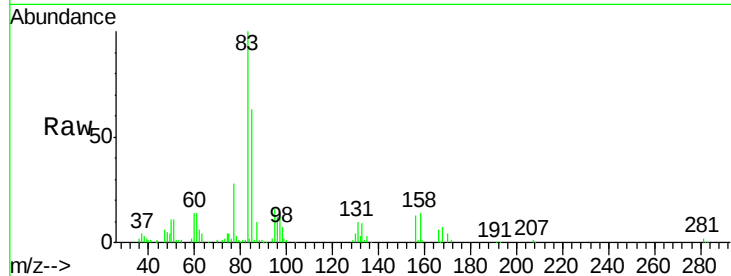
Tgt Ion: 83 Resp: 88970

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

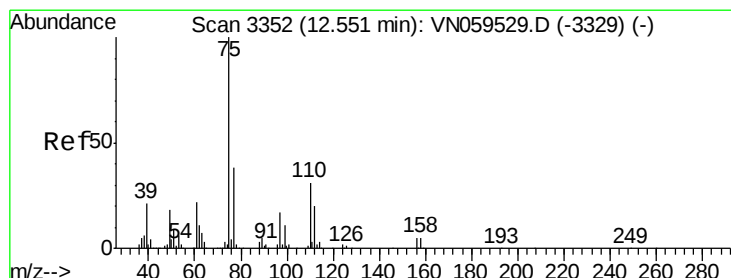
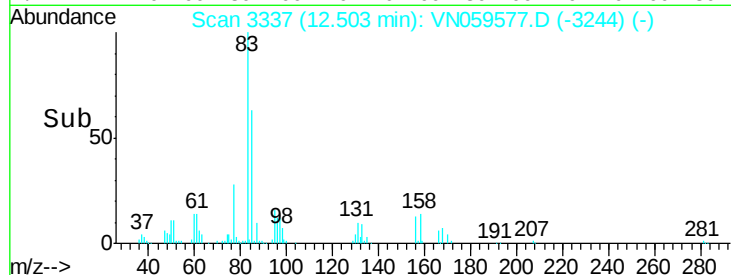
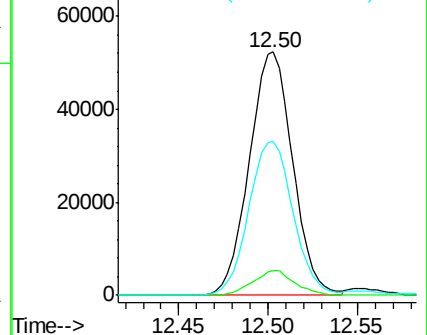
85 64.4 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.941 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059577.D

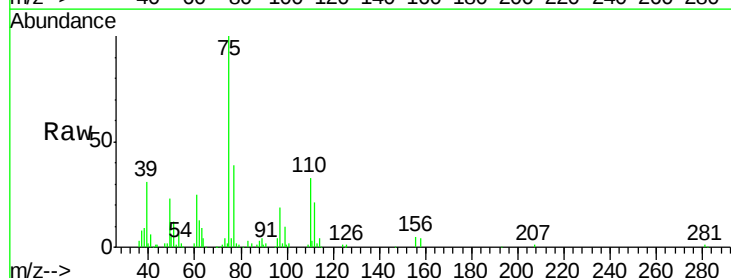
Acq: 12 Dec 2019 16:13

Tgt Ion: 75 Resp: 123759

Ion Ratio Lower Upper

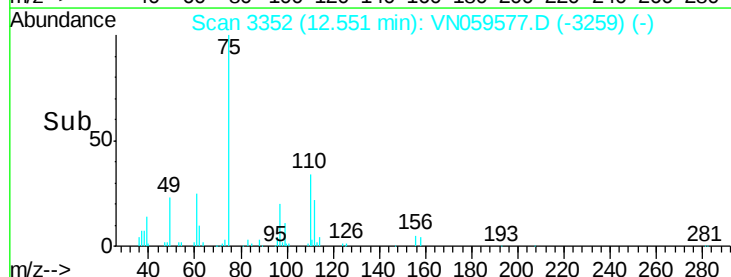
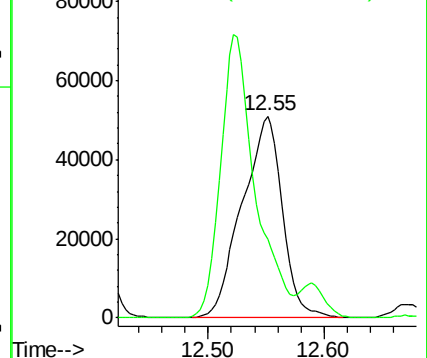
75 100

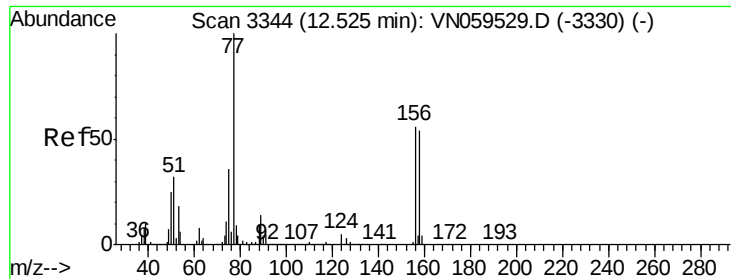
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.644 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

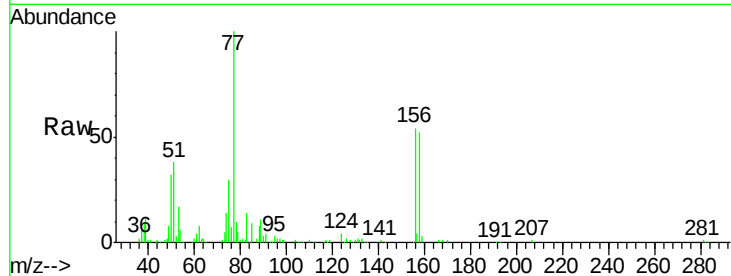
Tgt Ion:156 Resp: 65897

Ion Ratio Lower Upper

156 100

77 226.4 109.3 327.8

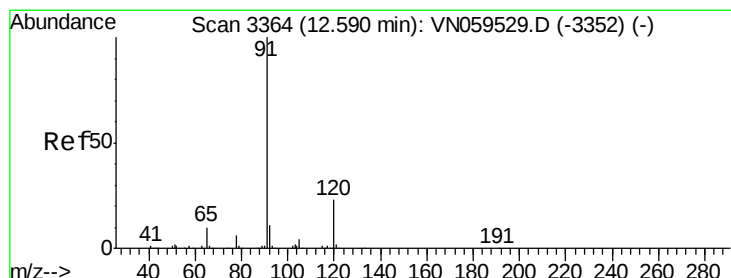
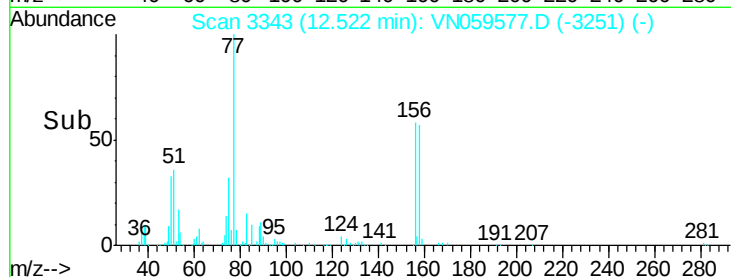
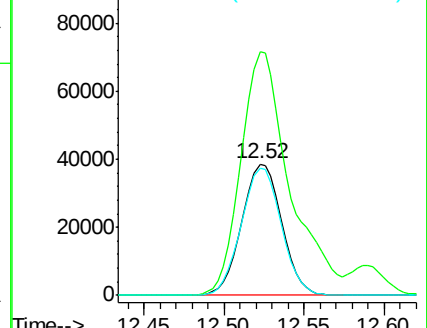
158 96.9 48.6 145.8



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: 19.518 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059577.D

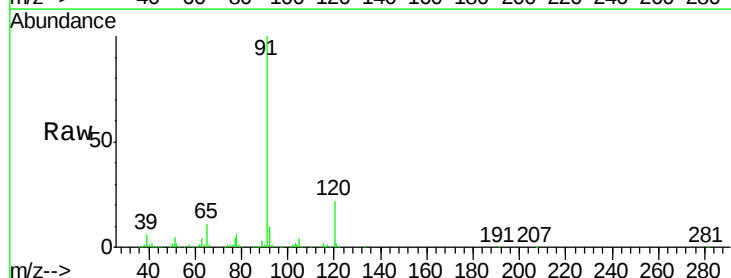
Acq: 12 Dec 2019 16:13

Tgt Ion: 91 Resp: 323176

Ion Ratio Lower Upper

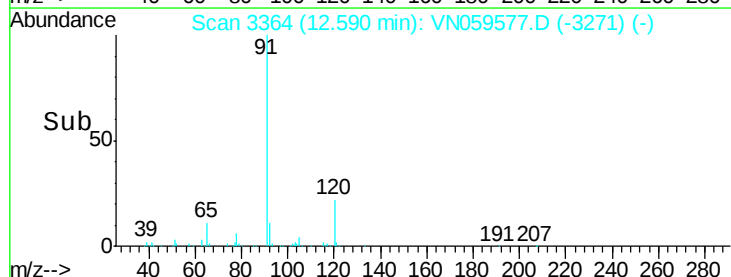
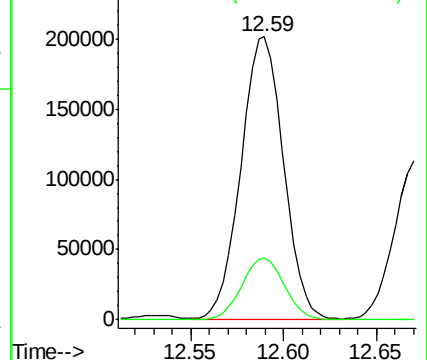
91 100

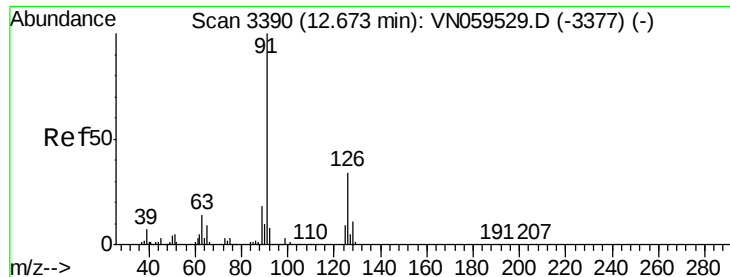
120 21.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.443 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

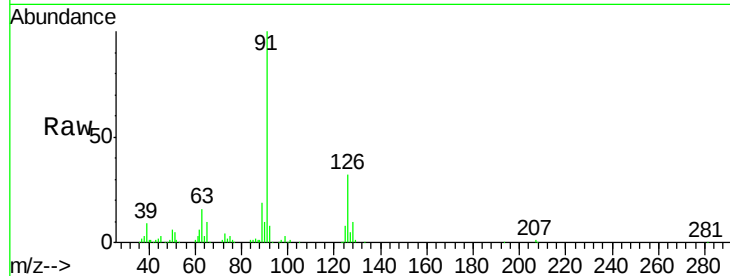
VN1212WBSD01

Tgt Ion: 91 Resp: 191964

Ion Ratio Lower Upper

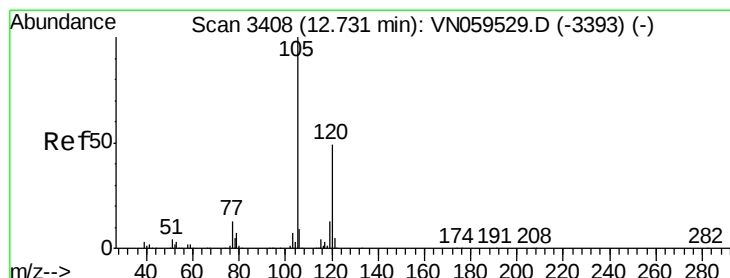
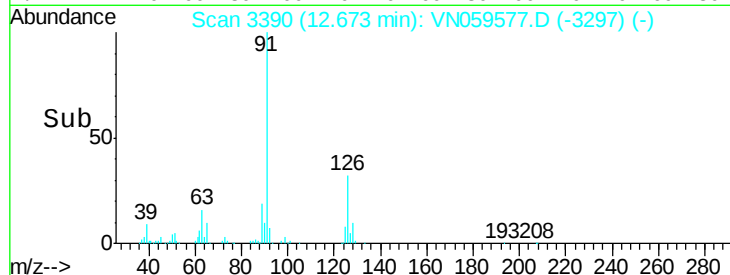
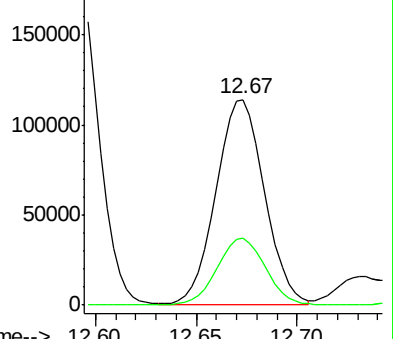
91 100

126 32.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.716 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059577.D

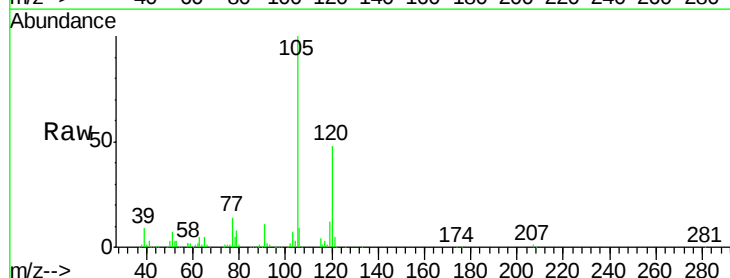
Acq: 12 Dec 2019 16:13

Tgt Ion: 105 Resp: 227814

Ion Ratio Lower Upper

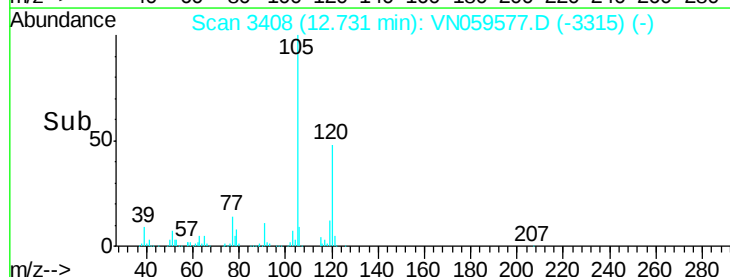
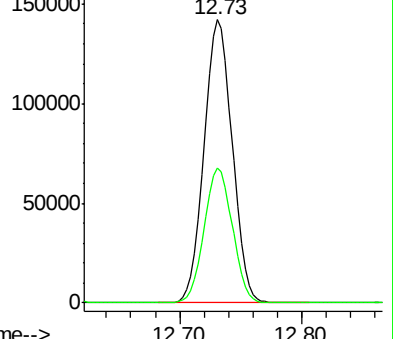
105 100

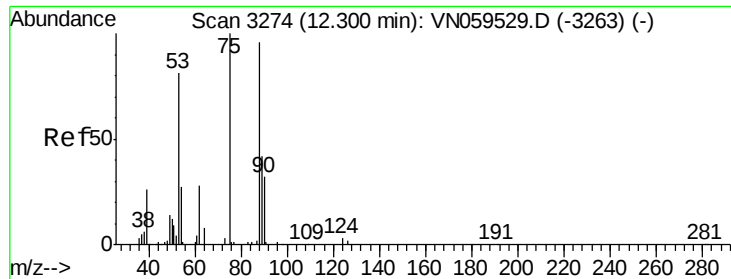
120 47.7 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059529.D (-3393) (-)

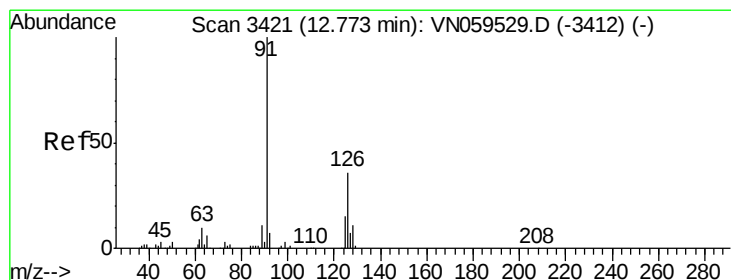
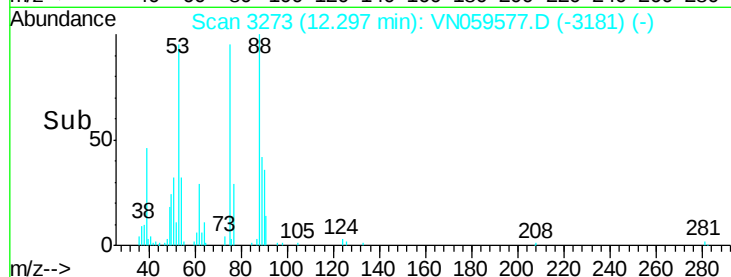
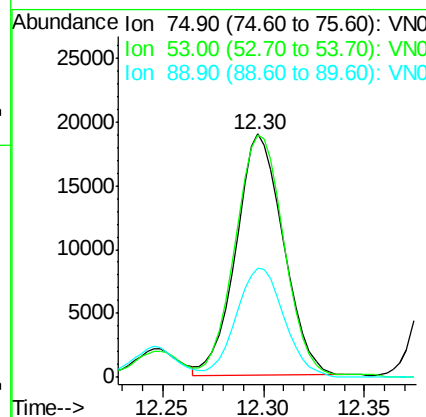
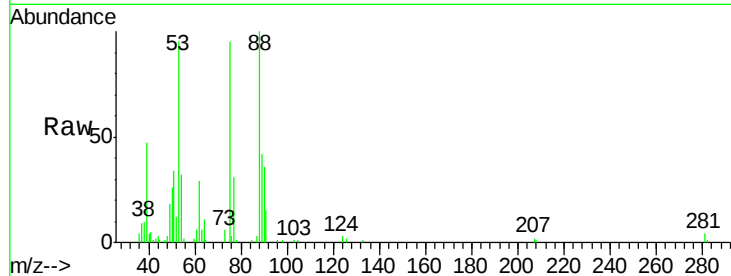




#81
trans-1,4-Dichloro-2-butene
Concen: 18.241 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

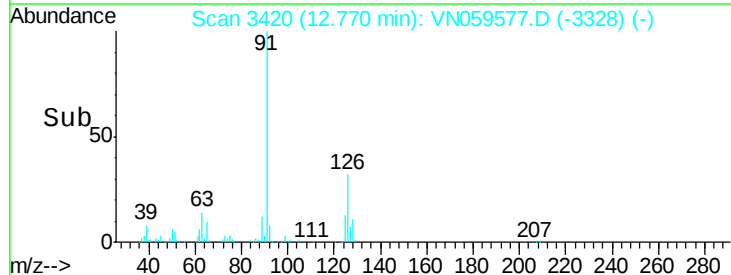
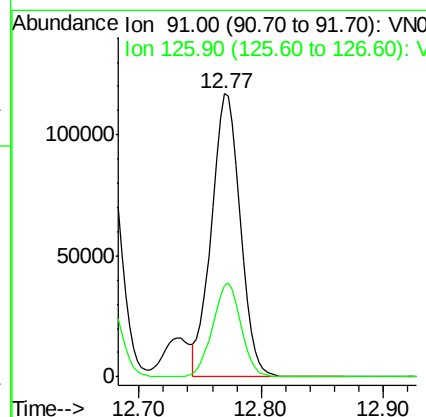
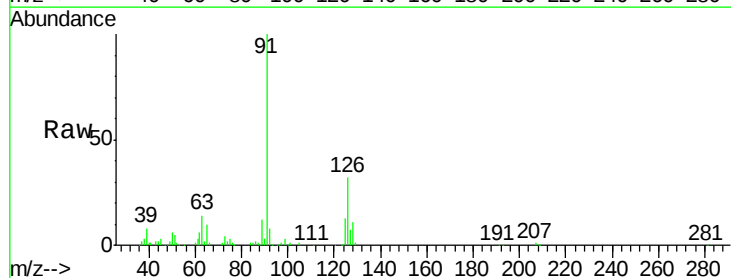
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

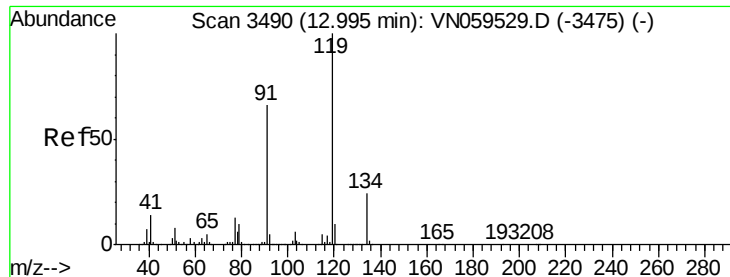
Tgt Ion: 75 Resp: 31144
Ion Ratio Lower Upper
75 100
53 101.9 67.0 100.6#
89 46.0 35.5 53.3



#82
4-Chlorotoluene
Concen: 19.151 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 91 Resp: 193339
Ion Ratio Lower Upper
91 100
126 32.6 16.4 49.4

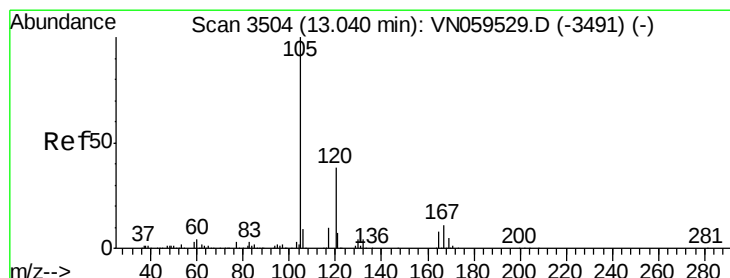
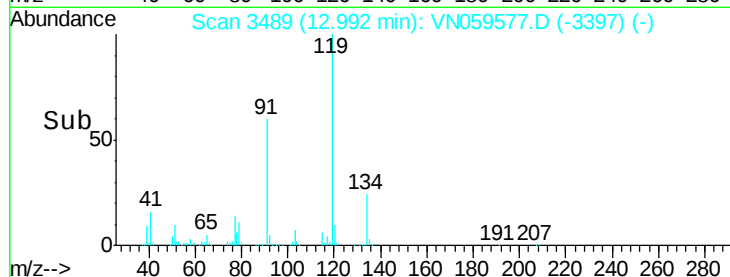
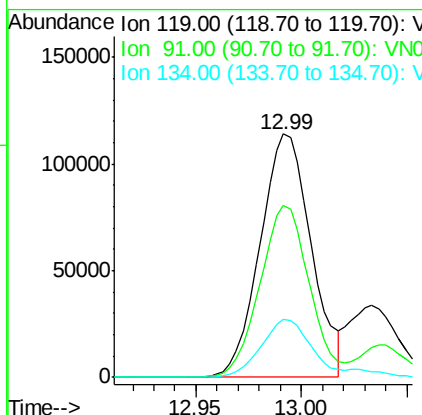
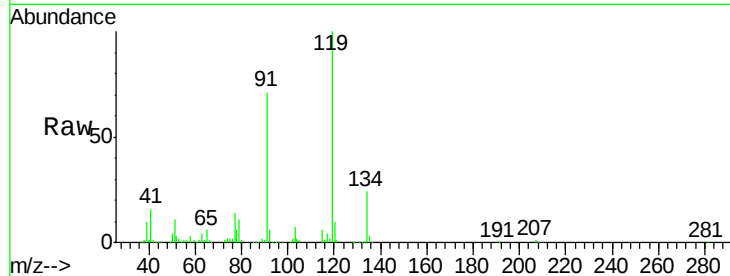




#83
 tert-Butylbenzene
 Concen: 19.956 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

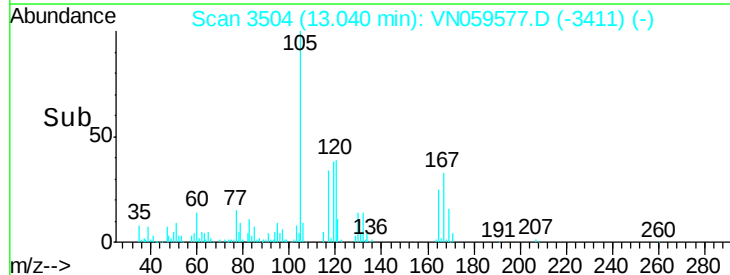
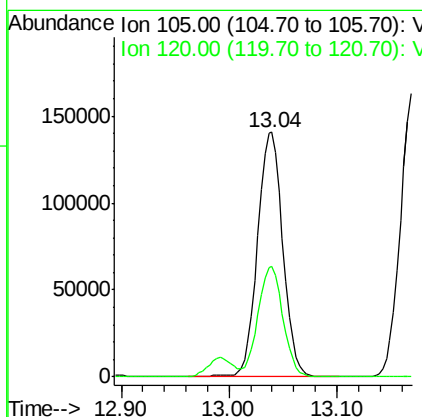
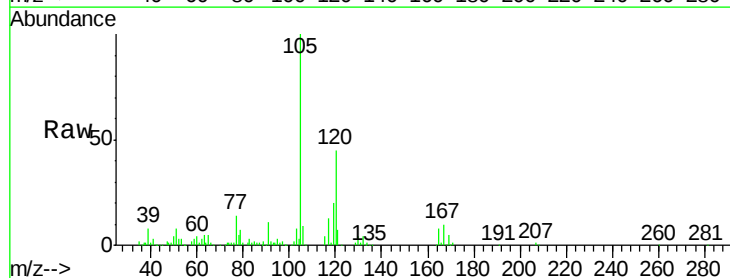
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

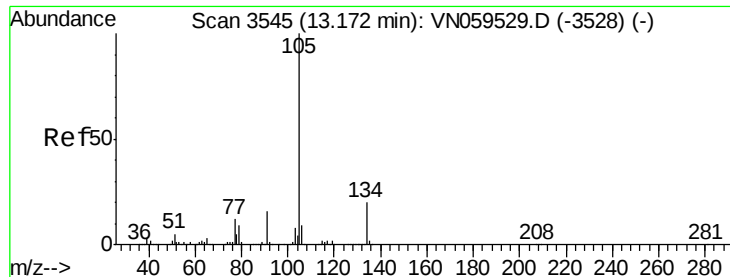
Tgt Ion:119 Resp: 192281
 Ion Ratio Lower Upper
 119 100
 91 68.4 32.8 98.4
 134 23.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.042 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion:105 Resp: 228657
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.8 68.3

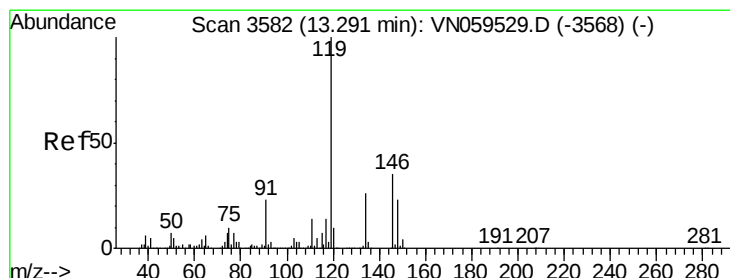
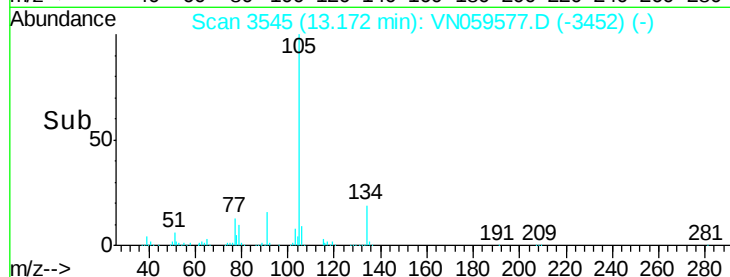
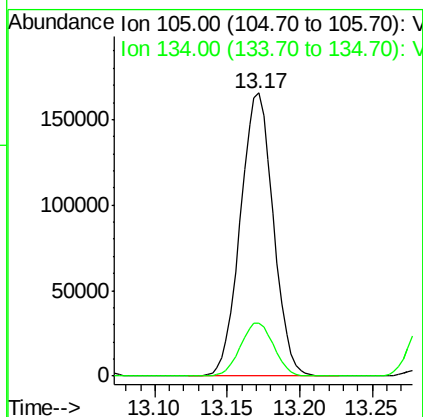
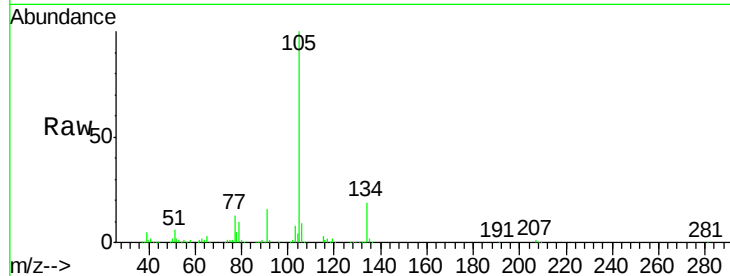




#85
 sec-Butylbenzene
 Concen: 19.700 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

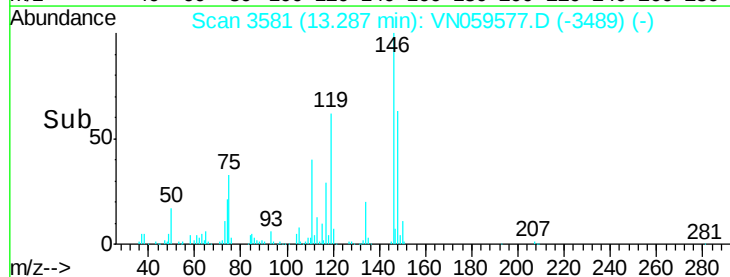
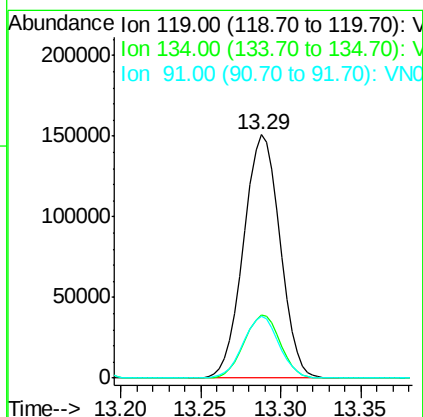
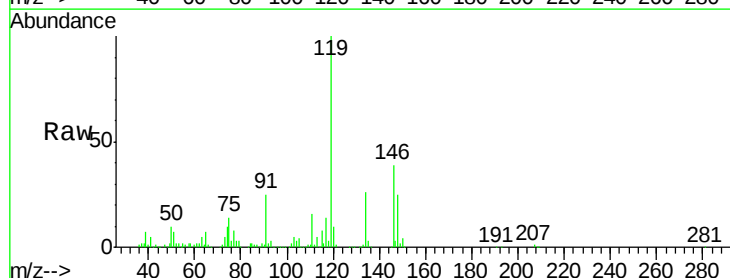
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tgt Ion:105 Resp: 260723
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.769 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion:119 Resp: 233843
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 25.1 11.7 35.1

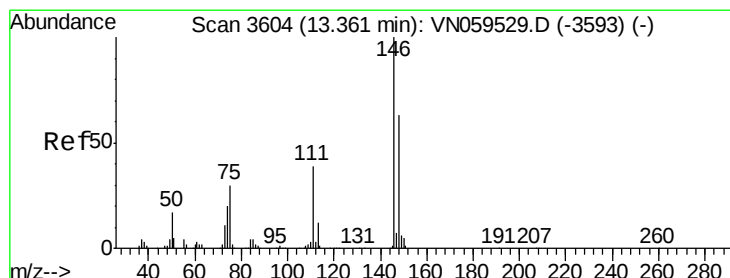
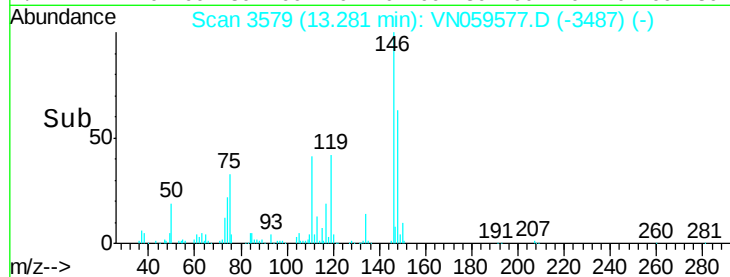
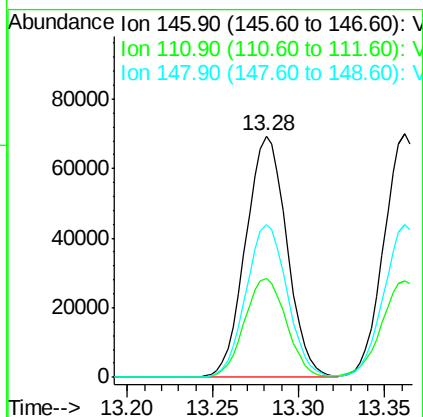
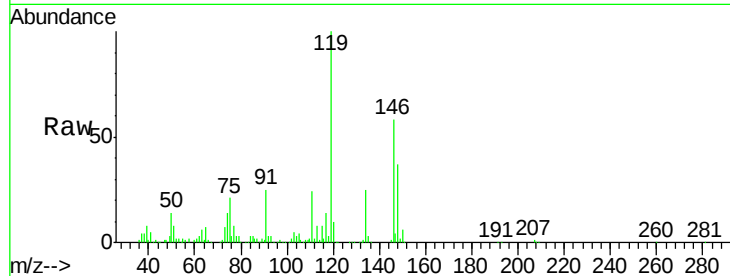




#87
 1,3-Dichlorobenzene
 Concen: 18.675 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

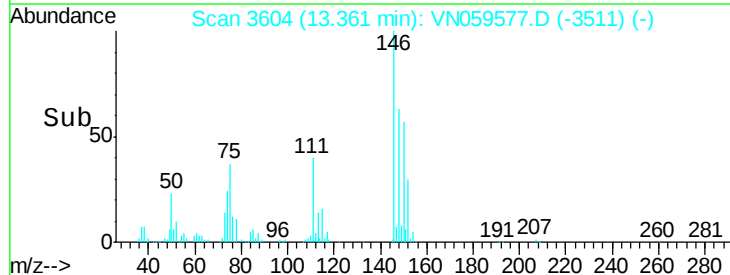
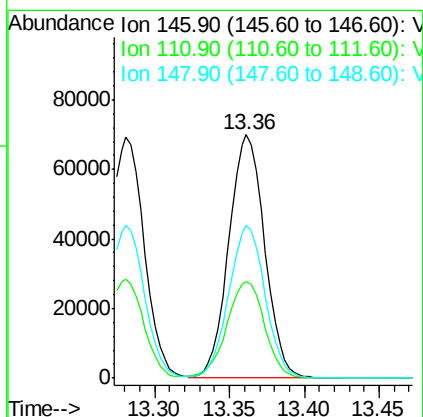
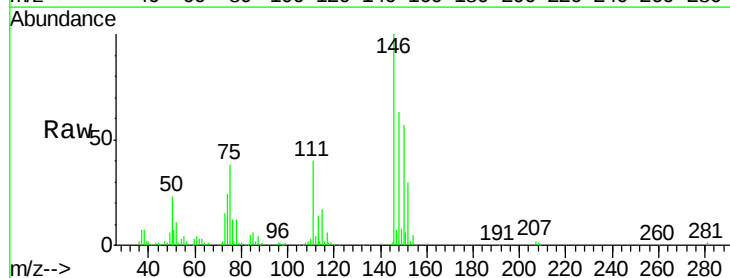
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

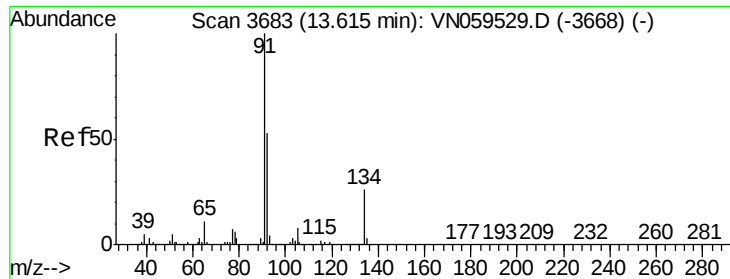
Tgt Ion:146 Resp: 115389
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.6 61.8
 148 63.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.288 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion:146 Resp: 116690
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.0 59.9
 148 63.8 31.9 95.7

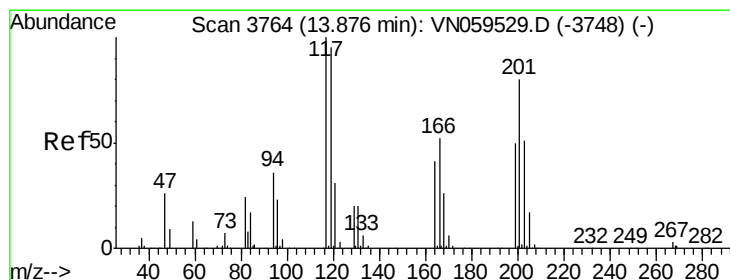
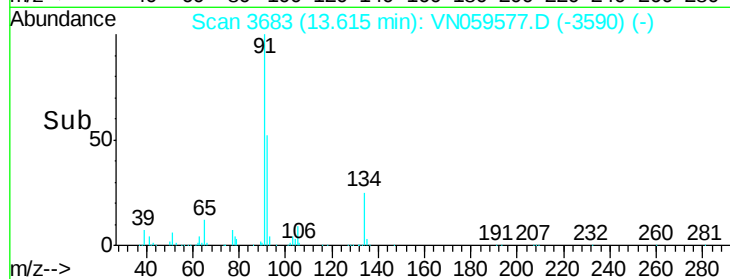
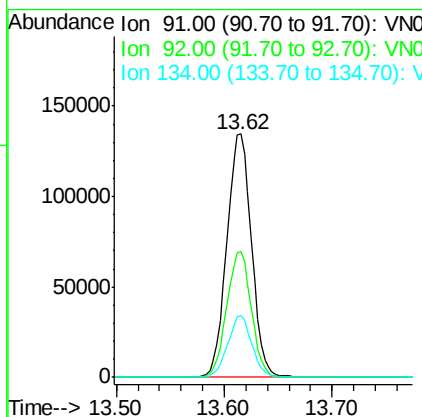
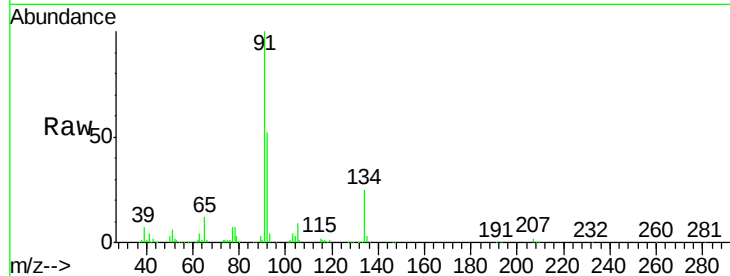




#89
n-Butylbenzene
Concen: 19.380 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

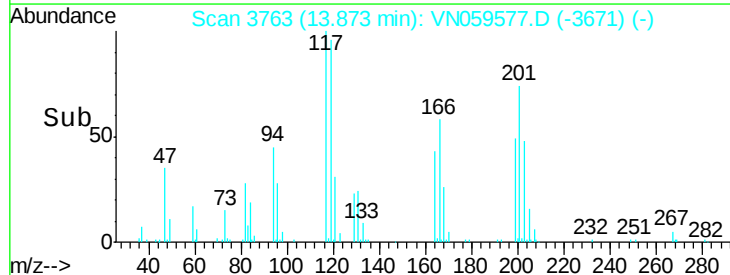
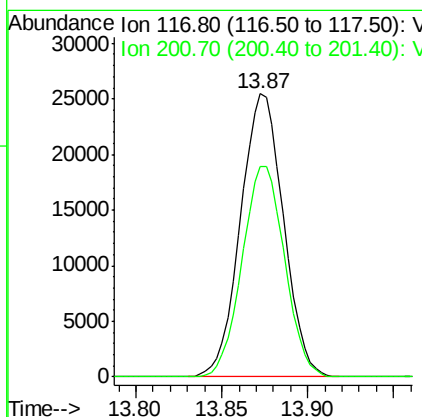
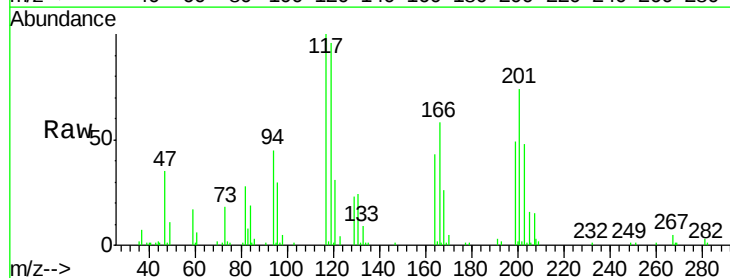
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

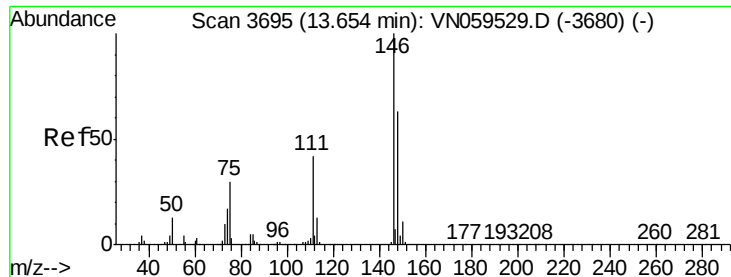
Tgt Ion: 91 Resp: 215249
Ion Ratio Lower Upper
91 100
92 51.4 26.3 78.9
134 24.5 12.8 38.4



#90
Hexachloroethane
Concen: 20.350 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 117 Resp: 44208
Ion Ratio Lower Upper
117 100
201 73.6 40.5 121.5

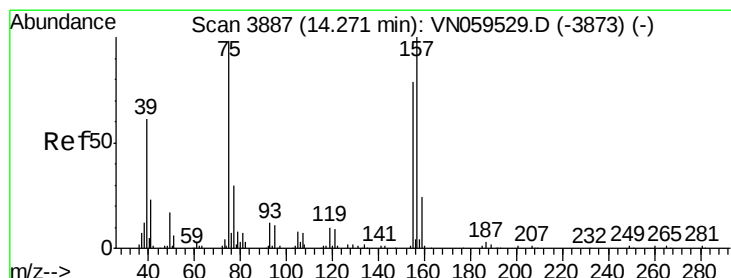
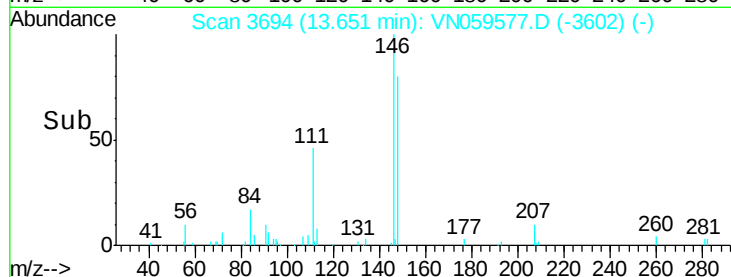
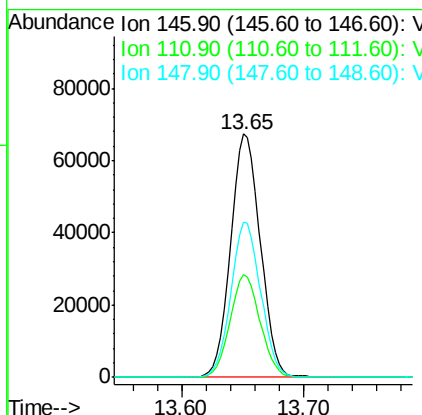
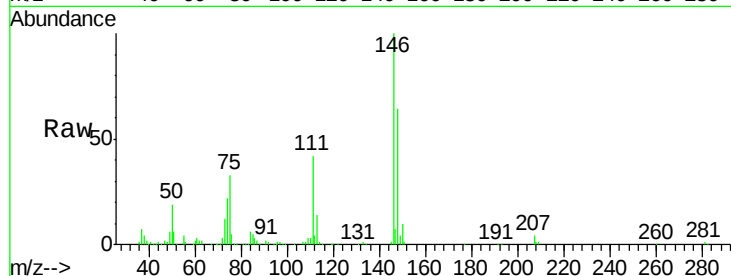




#91
 1,2-Dichlorobenzene
 Concen: 19.686 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

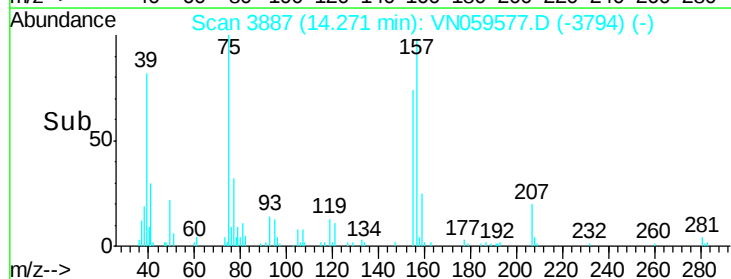
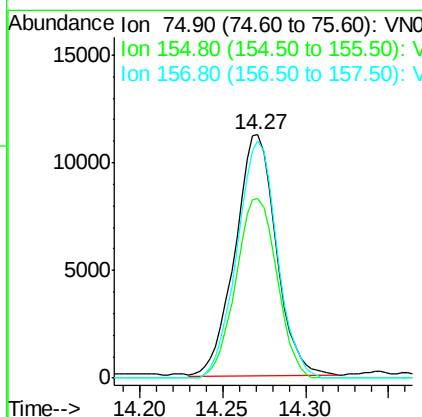
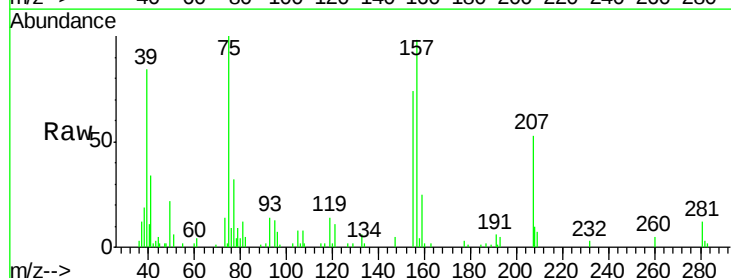
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

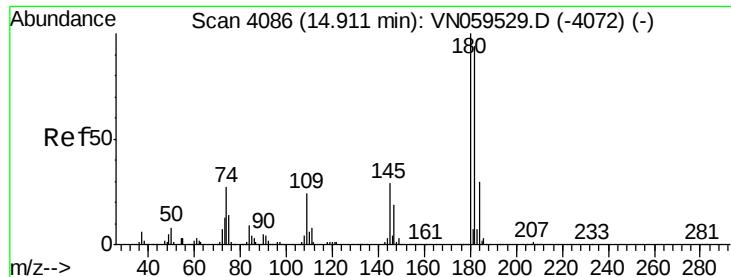
Tgt Ion: 146 Resp: 114147
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.9 62.7
 148 64.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.836 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 75 Resp: 19396
 Ion Ratio Lower Upper
 75 100
 155 74.0 40.4 121.1
 157 95.6 51.1 153.3

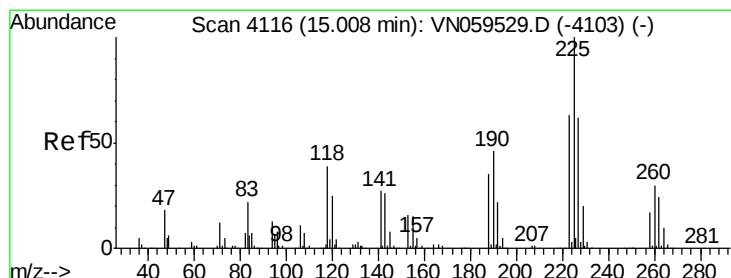
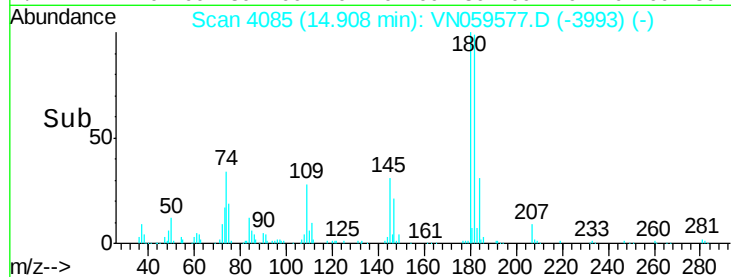
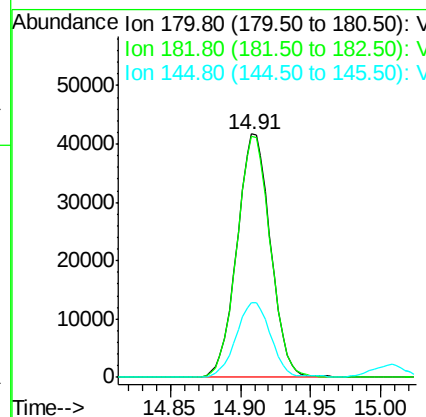
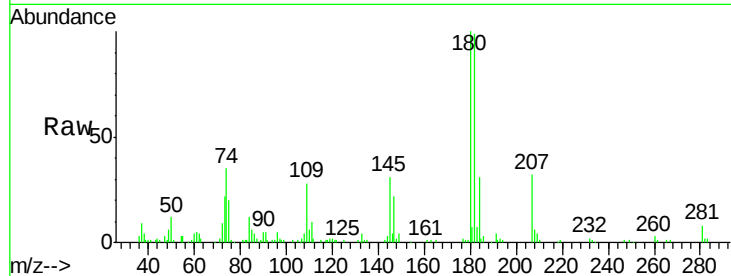




#93
 1,2,4-Trichlorobenzene
 Concen: 17.345 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

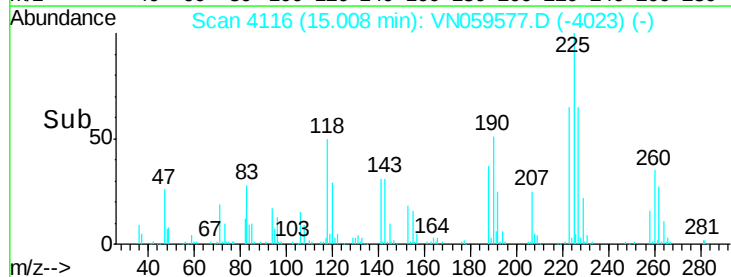
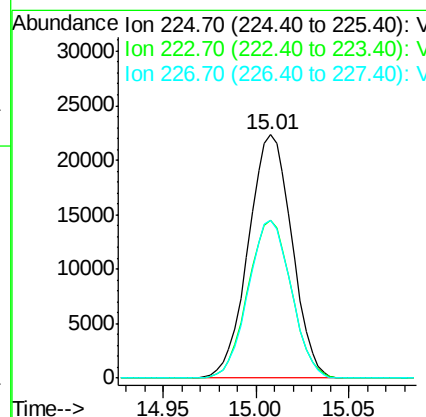
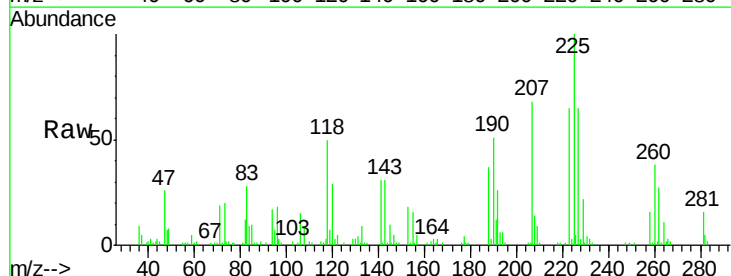
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

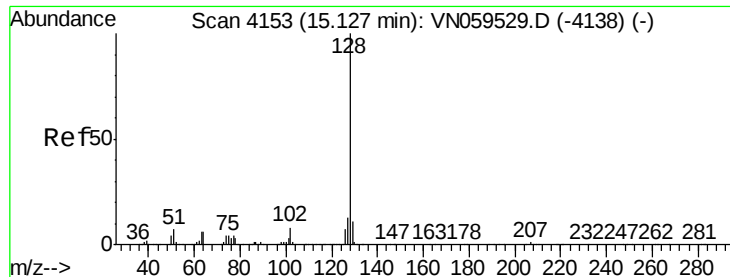
Tgt Ion:180 Resp: 69559
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.3 142.0
 145 31.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 17.702 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion:225 Resp: 36269
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.3 93.9
 227 63.8 31.6 95.0

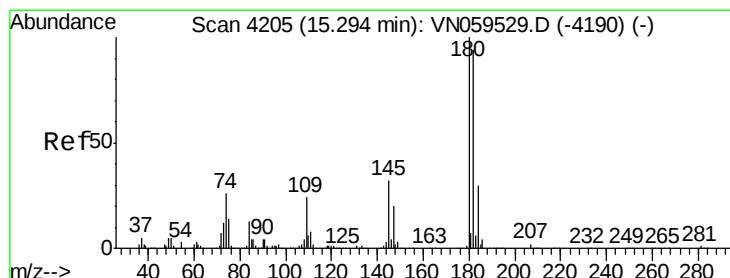
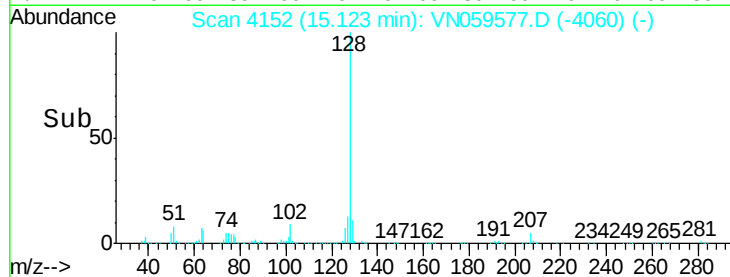
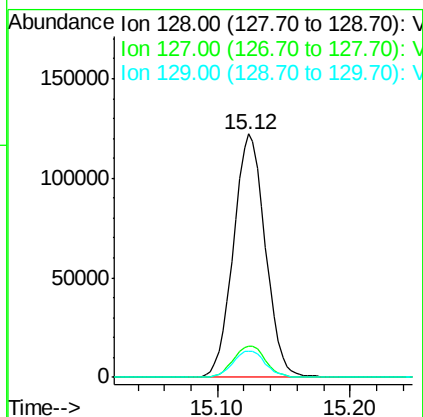
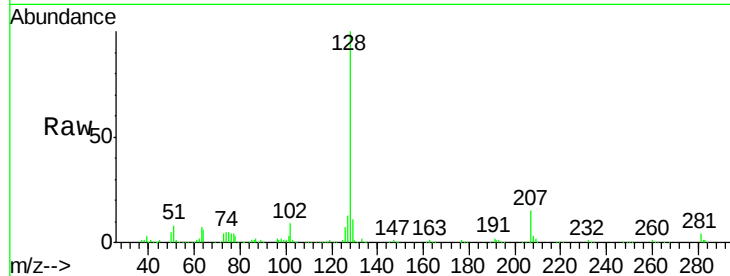




#95
Naphthalene
Concen: 17.371 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tgt Ion:128 Resp: 203634
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.494 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion:180 Resp: 70114
Ion Ratio Lower Upper
180 100
182 93.4 47.1 141.4
145 31.3 15.8 47.4

