

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059557.D
 Acq On : 11 Dec 2019 13:08
 Operator : JC/SP
 Sample : VN1211WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Quant Time: Dec 12 00:50:31 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	7.64	168	238425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	377253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	340865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132090	39.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.28%	
35) Dibromofluoromethane	7.57	113	94576	42.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.02%	
50) Toluene-d8	10.08	98	359152	39.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.16%	
62) 4-Bromofluorobenzene	12.40	95	127494	37.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	54677	19.883	ug/l	99
3) Chloromethane	2.04	50	86724	20.833	ug/l	98
4) Vinyl Chloride	2.17	62	87683	21.370	ug/l	100
5) Bromomethane	2.55	94	51490	20.602	ug/l	99
6) Chloroethane	2.68	64	52846	21.568	ug/l	94
7) Trichlorofluoromethane	3.00	101	107280	21.872	ug/l	97
8) Diethyl Ether	3.38	74	30224	17.980	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	51103	20.019	ug/l	99
10) Methyl Iodide	3.92	142	64681	18.713	ug/l	99
11) Tert butyl alcohol	4.76	59	57205	103.767	ug/l	100
12) 1,1-Dichloroethene	3.71	96	47728	19.233	ug/l	97
13) Acrolein	3.58	56	14303	53.316	ug/l	99
14) Allyl chloride	4.29	41	93523	19.591	ug/l	98
15) Acrylonitrile	4.95	53	146467	100.735	ug/l	98
16) Acetone	3.79	43	138333	88.866	ug/l	99
17) Carbon Disulfide	4.02	76	156484	19.568	ug/l	100
18) Methyl Acetate	4.29	43	78374	19.177	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	170594	20.681	ug/l	99
20) Methylene Chloride	4.52	84	58796	20.800	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	54565	20.487	ug/l	96
22) Diisopropyl ether	5.92	45	187562	20.639	ug/l	98
23) Vinyl Acetate	5.86	43	780292	102.931	ug/l	99
24) 1,1-Dichloroethane	5.82	63	107496	20.834	ug/l	98
25) 2-Butanone	6.81	43	206520	98.563	ug/l	96
26) 2,2-Dichloropropane	6.79	77	97747	20.970	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	61026	20.371	ug/l	99
28) Bromochloromethane	7.17	49	36083	20.285	ug/l	98
29) Tetrahydrofuran	7.18	42	140185	96.184	ug/l	100
30) Chloroform	7.35	83	106107	20.837	ug/l	99
31) Cyclohexane	7.63	56	98840	19.685	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	94461	20.910	ug/l	99
36) 1,1-Dichloropropene	7.77	75	81460	21.046	ug/l	99
37) Ethyl Acetate	6.90	43	85965	19.998	ug/l	99
38) Carbon Tetrachloride	7.75	117	83689	21.937	ug/l	98

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Quant Time: Dec 12 00:50:31 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)
39) Methylcyclohexane	9.06	83	93276	21.484	ug/l	99
40) Benzene	8.02	78	233708	21.137	ug/l	100
41) Methacrylonitrile	7.18	41	127144	67.596	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	89295	21.676	ug/l	99
43) Isopropyl Acetate	8.14	43	135350	20.258	ug/l #	93
44) Trichloroethene	8.82	130	59497	21.300	ug/l	99
45) 1,2-Dichloropropane	9.10	63	62744	21.421	ug/l	98
46) Dibromomethane	9.19	93	40078	20.704	ug/l	99
47) Bromodichloromethane	9.39	83	81976	21.308	ug/l	99
48) Methyl methacrylate	9.18	41	61040	20.894	ug/l	97
49) 1,4-Dioxane	9.19	88	19473	520.985	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	415022	97.269	ug/l	99
52) Toluene	10.14	92	141149	21.425	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	91479	20.408	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	98255	21.417	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	55800	20.942	ug/l	99
56) Ethyl methacrylate	10.42	69	78678	18.539	ug/l	98
57) 1,3-Dichloropropane	10.70	76	96322	21.167	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	83182	76.207	ug/l	99
59) 2-Hexanone	10.74	43	311300	97.371	ug/l	98
60) Dibromochloromethane	10.90	129	61794	20.073	ug/l	98
61) 1,2-Dibromoethane	11.00	107	57848	20.855	ug/l	100
64) Tetrachloroethene	10.62	164	56950	22.860	ug/l	98
65) Chlorobenzene	11.43	112	149518	20.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	56589	21.244	ug/l	99
67) Ethyl Benzene	11.51	91	271804	21.148	ug/l	99
68) m/p-Xylenes	11.62	106	201627	41.820	ug/l	98
69) o-Xylene	11.94	106	93626	20.864	ug/l	96
70) Styrene	11.96	104	146404	19.693	ug/l	96
71) Bromoform	12.12	173	42317	20.190	ug/l #	99
73) Isopropylbenzene	12.25	105	255216	20.880	ug/l	99
74) N-amyl acetate	12.07	43	104498	19.627	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	79016	19.078	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	113221	27.171	ug/l #	100
77) Bromobenzene	12.52	156	59543	19.567	ug/l	93
78) n-propylbenzene	12.59	91	302601	20.147	ug/l	99
79) 2-Chlorotoluene	12.67	91	177814	19.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	215836	20.592	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29319	18.930	ug/l	88
82) 4-Chlorotoluene	12.77	91	185704	20.278	ug/l	98
83) tert-Butylbenzene	12.99	119	177855	20.348	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	215206	20.794	ug/l	98
85) sec-Butylbenzene	13.17	105	251687	20.964	ug/l	100
86) p-Isopropyltoluene	13.29	119	223126	20.794	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	112482	20.069	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	109856	20.017	ug/l	97
89) n-Butylbenzene	13.62	91	208505	20.694	ug/l	98
90) Hexachloroethane	13.87	117	43119	21.881	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	106941	20.332	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18391	20.639	ug/l	93

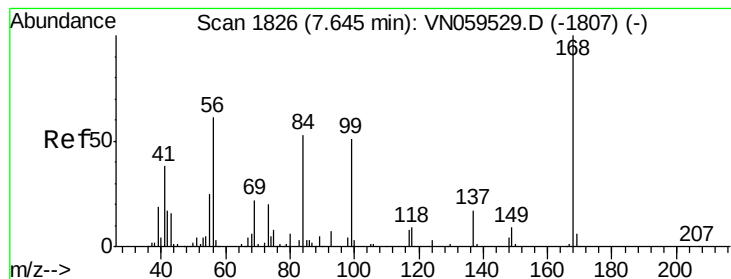
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QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68082	18.714	ug/l	100
94) Hexachlorobutadiene	15.01	225	38522	20.727	ug/l	99
95) Naphthalene	15.13	128	188155	17.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	65764	20.075	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

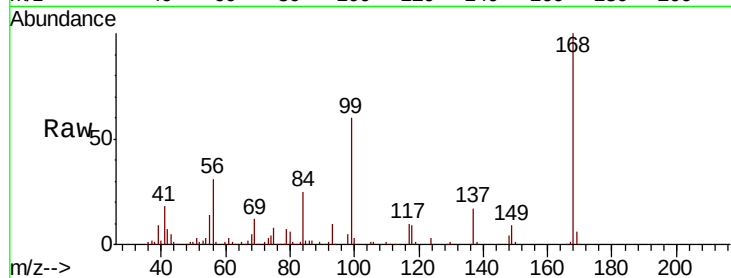
VN1211WBS01

Tot Ion:168 Resp: 238425

Ion Ratio Lower Upper

168 100

99 60.1 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

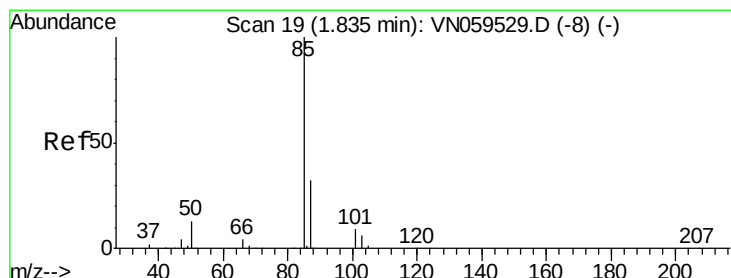
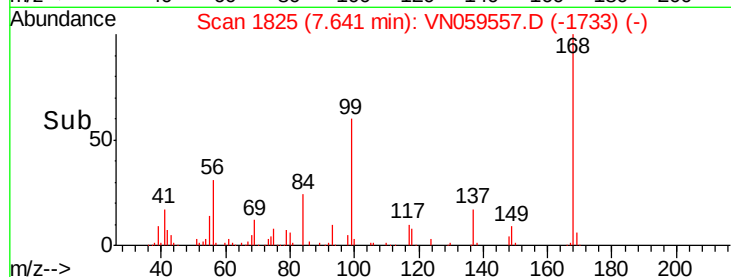
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.883 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059557.D

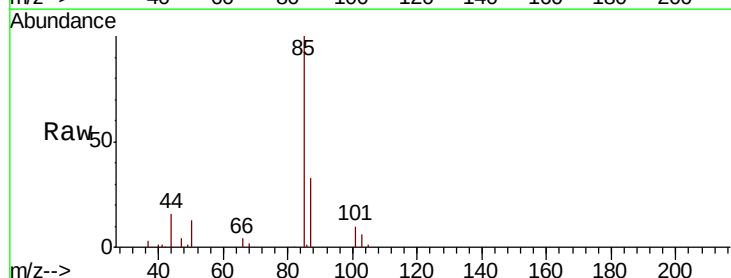
Acq: 11 Dec 2019 13:08

Tgt Ion: 85 Resp: 54677

Ion Ratio Lower Upper

85 100

87 32.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

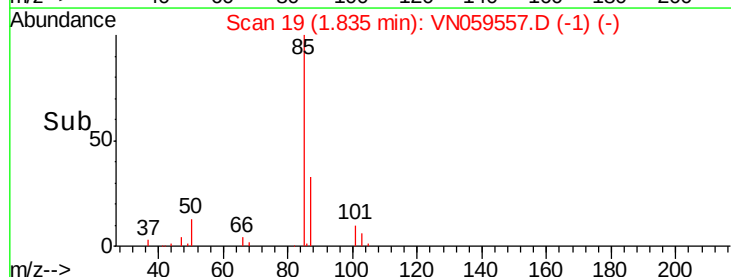
20000

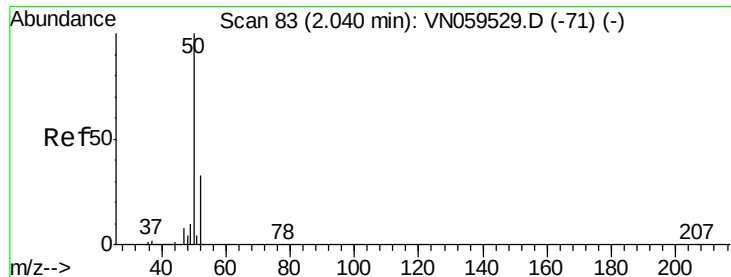
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.833 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

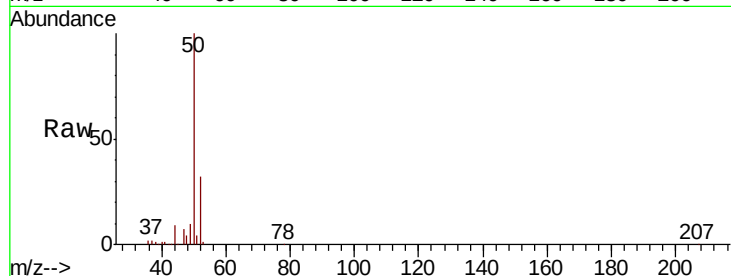
VN1211WBS01

Tot Ion: 50 Resp: 86724

Ion Ratio Lower Upper

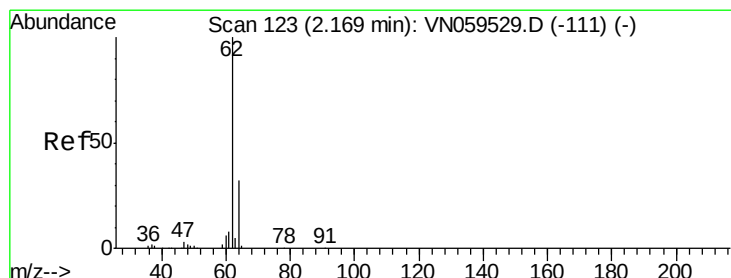
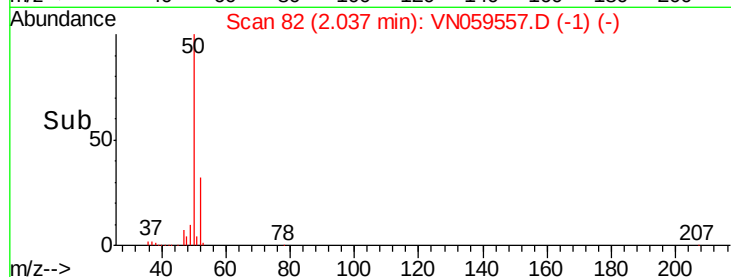
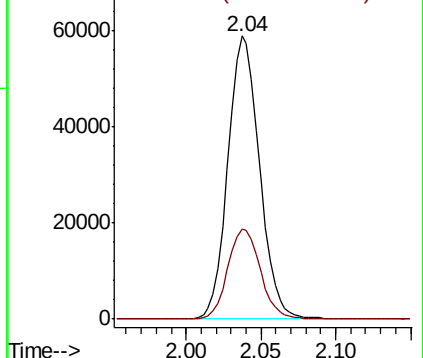
50 100

52 31.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 21.370 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059557.D

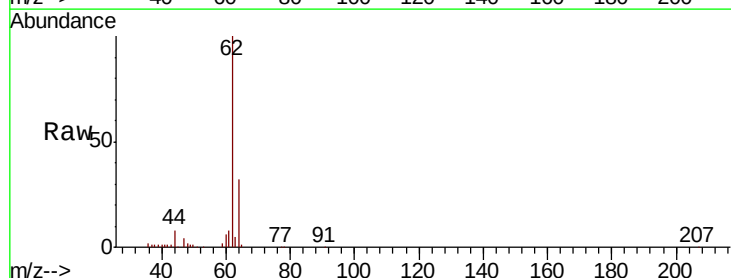
Acq: 11 Dec 2019 13:08

Tgt Ion: 62 Resp: 87683

Ion Ratio Lower Upper

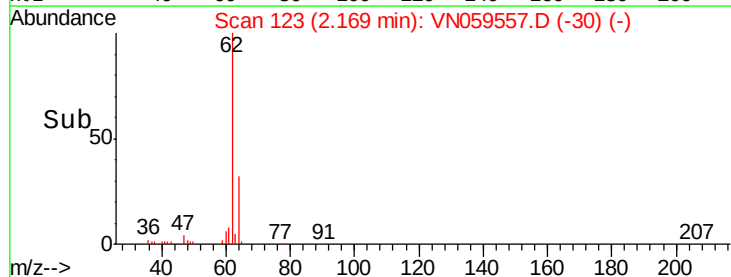
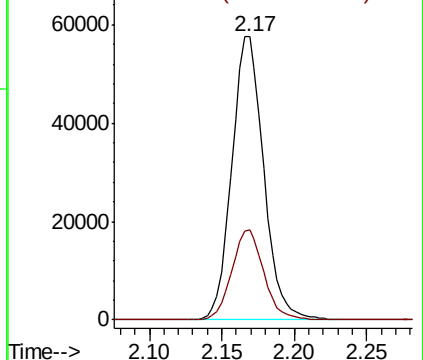
62 100

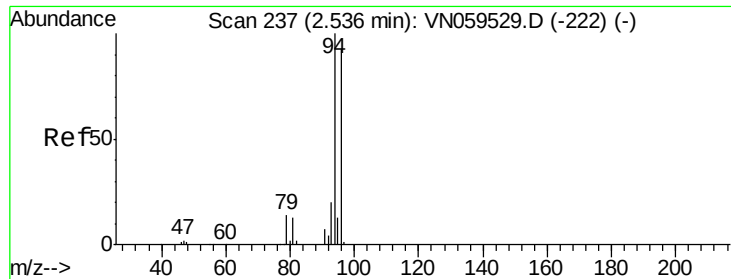
64 31.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.602 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

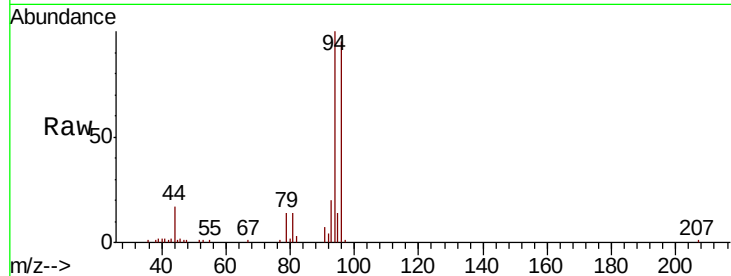
VN1211WBS01

Tot Ion: 94 Resp: 51490

Ion Ratio Lower Upper

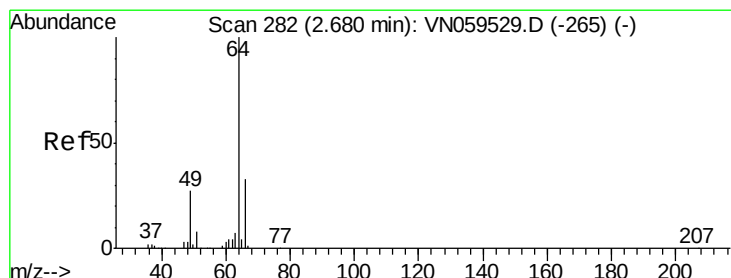
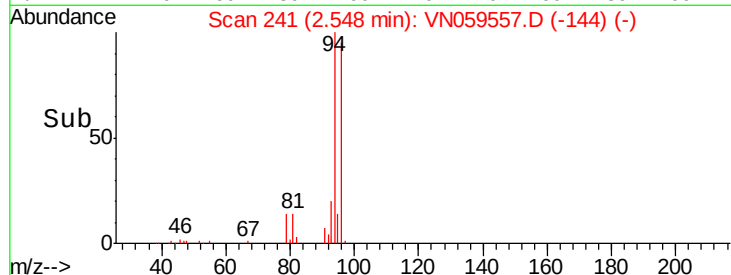
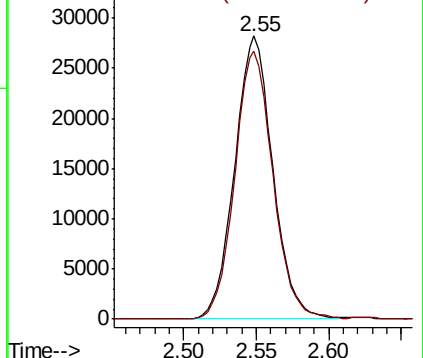
94 100

96 94.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.568 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059557.D

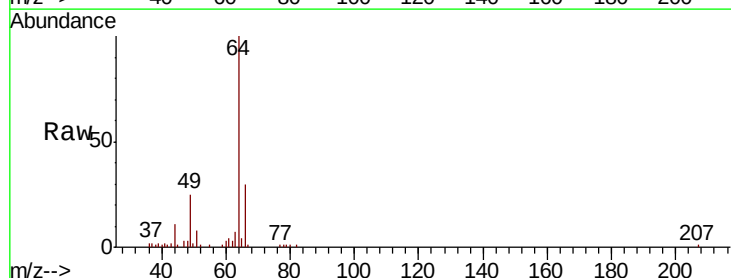
Acq: 11 Dec 2019 13:08

Tgt Ion: 64 Resp: 52846

Ion Ratio Lower Upper

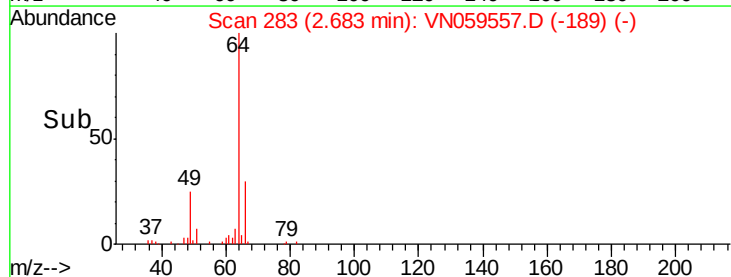
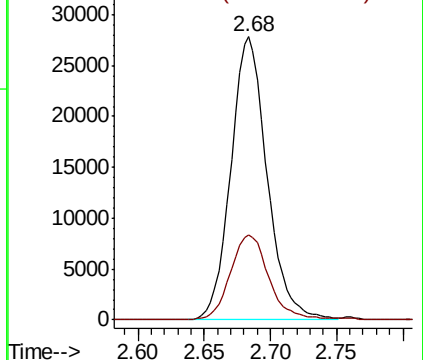
64 100

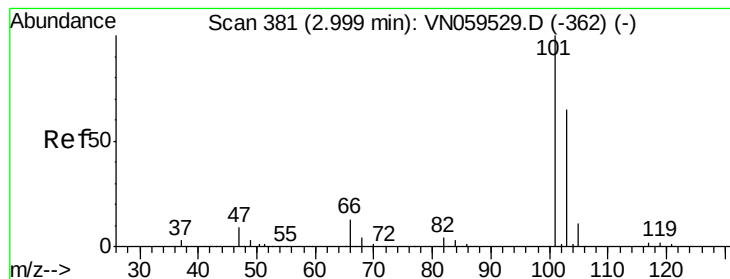
66 30.1 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



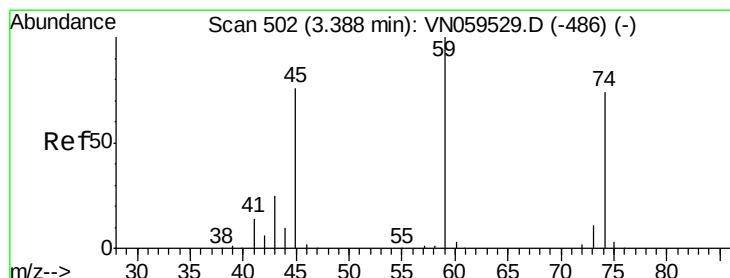
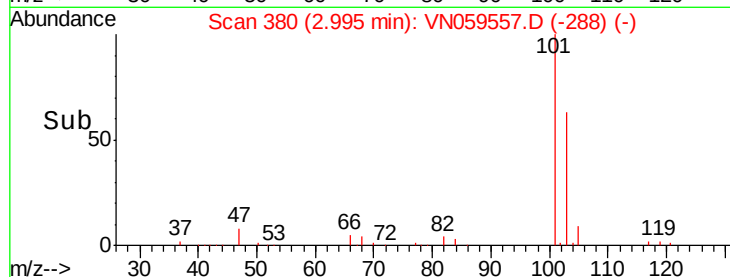
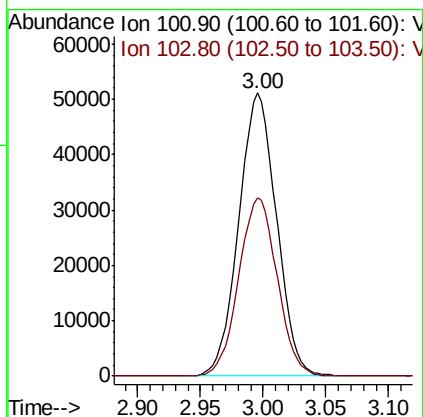
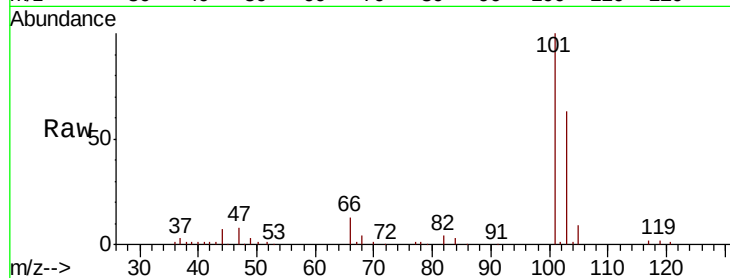


#7

Trichlorofluoromethane
Concen: 21.872 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

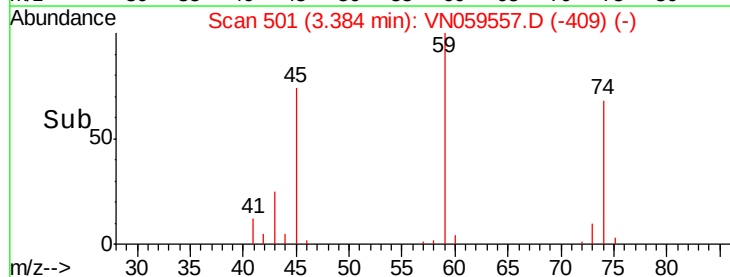
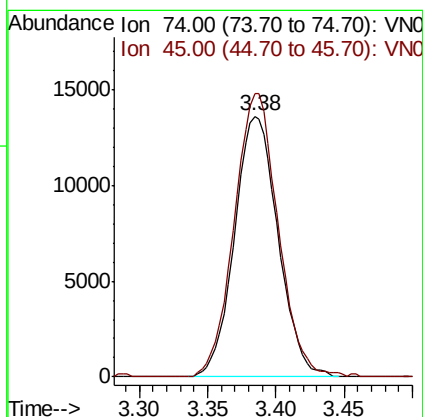
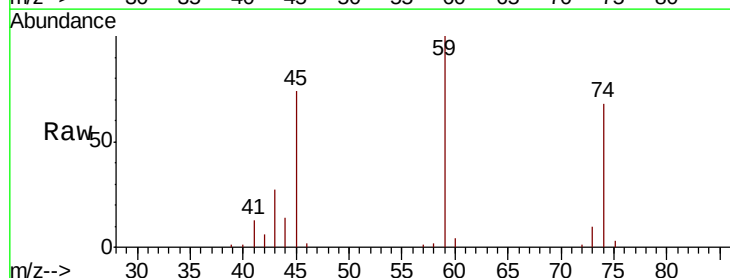
Tot Ion:101 Resp: 107280
Ion Ratio Lower Upper
101 100
103 63.2 52.2 78.4

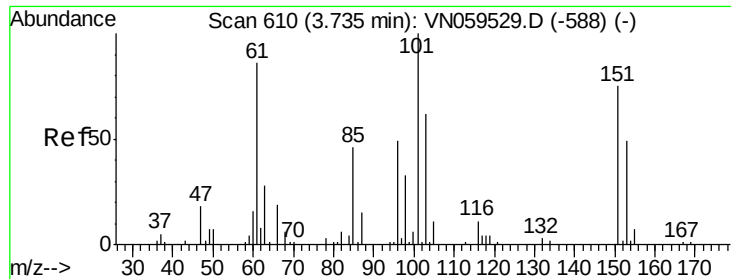


#8

Diethyl Ether
Concen: 17.980 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 74 Resp: 30224
Ion Ratio Lower Upper
74 100
45 109.6 52.6 157.9

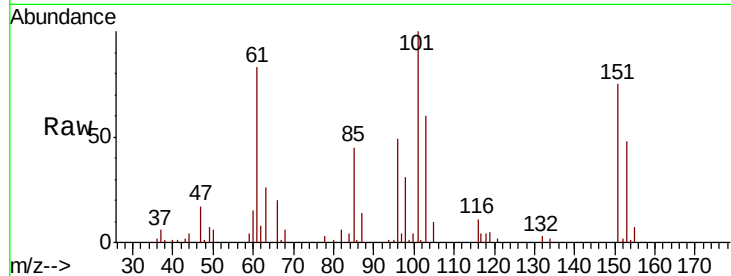




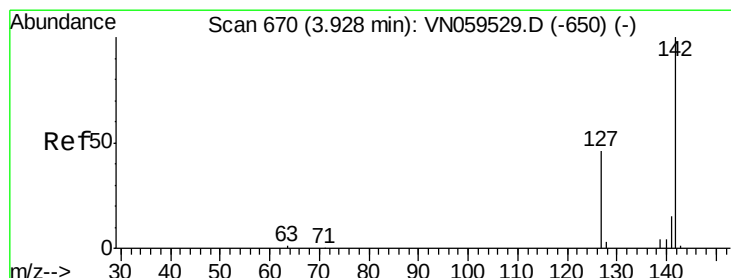
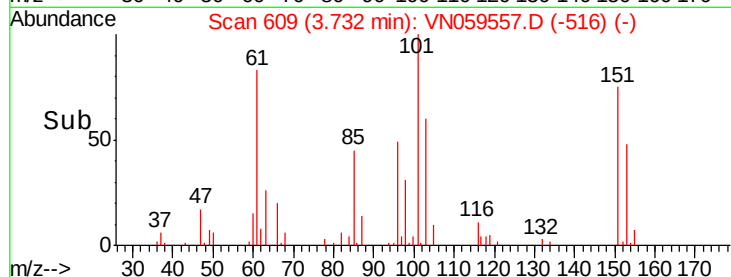
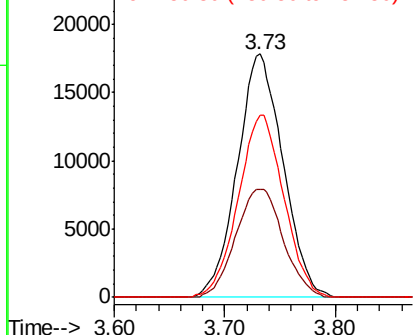
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.019 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

Tot Ion:101 Resp: 51103
 Ion Ratio Lower Upper
 101 100
 85 46.2 36.6 54.8
 151 74.7 59.3 88.9

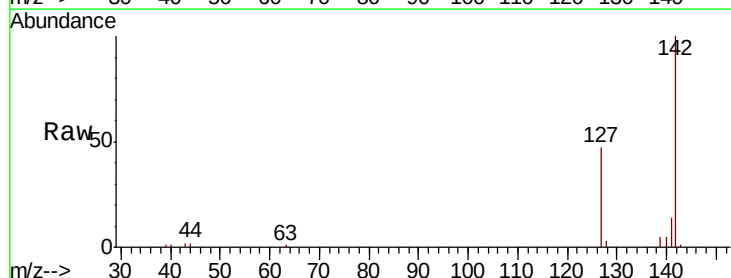


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

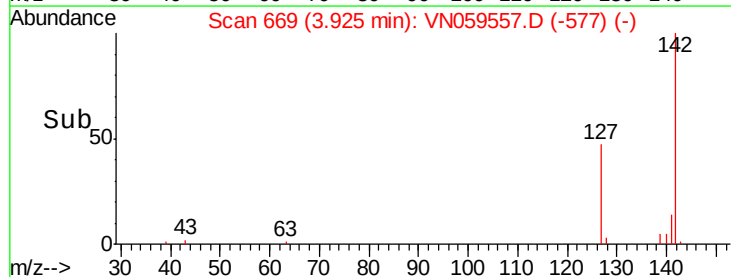
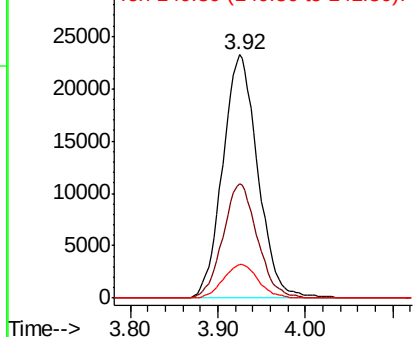


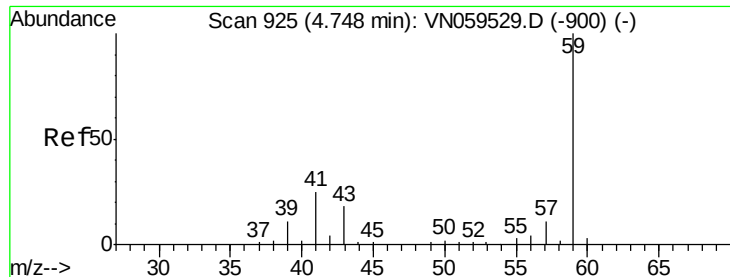
#10
 Methyl Iodide
 Concen: 18.713 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

Tgt Ion:142 Resp: 64681
 Ion Ratio Lower Upper
 142 100
 127 46.0 36.6 54.8
 141 13.7 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

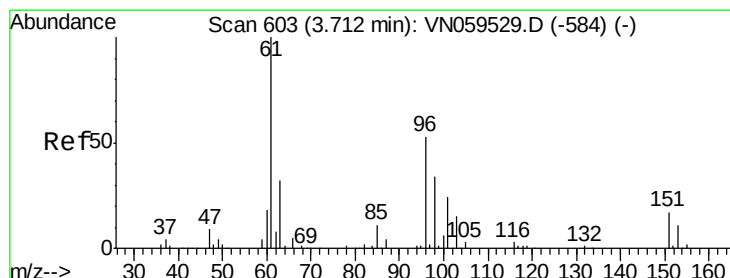
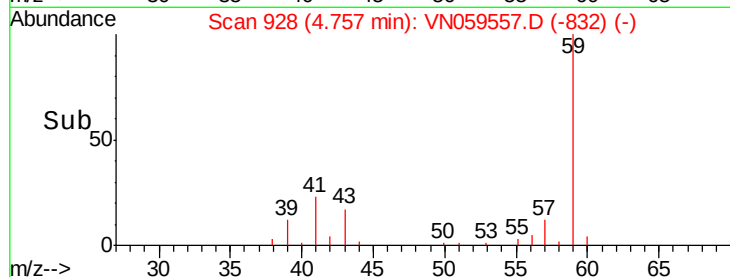
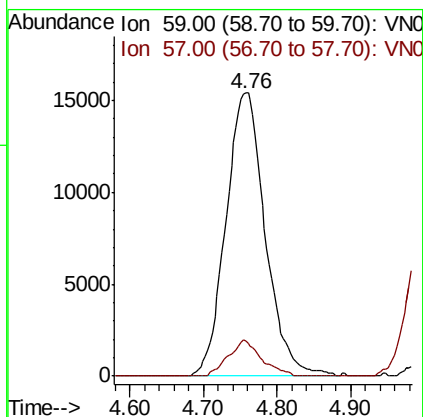
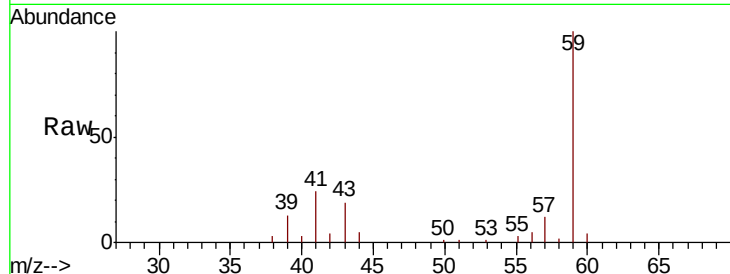




#11
Tert butyl alcohol
Concen: 103.767 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

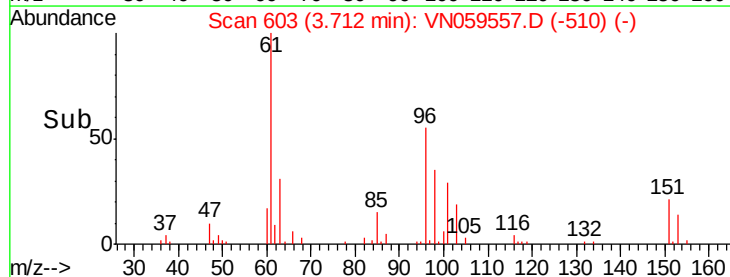
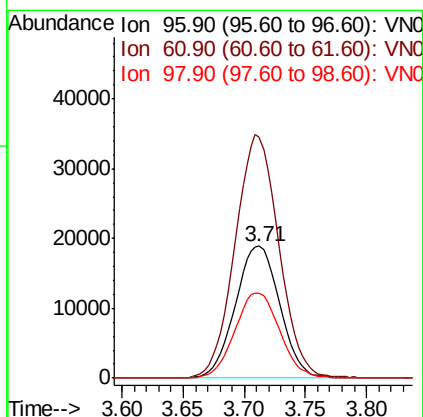
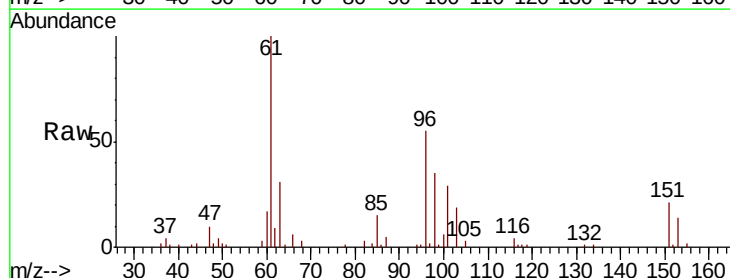
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

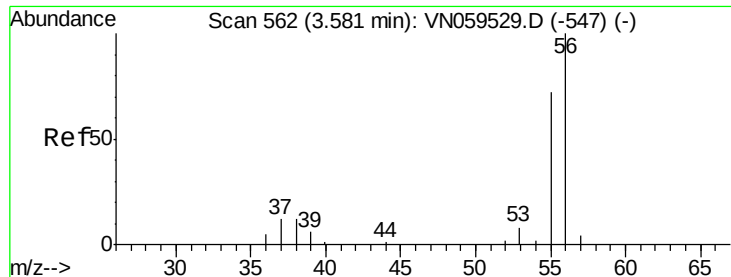
Tot Ion: 59 Resp: 57205
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0



#12
1,1-Dichloroethene
Concen: 19.233 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 96 Resp: 47728
Ion Ratio Lower Upper
96 100
61 183.4 149.8 224.6
98 64.9 50.6 75.8





#13

Acrolein

Concen: 53.316 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

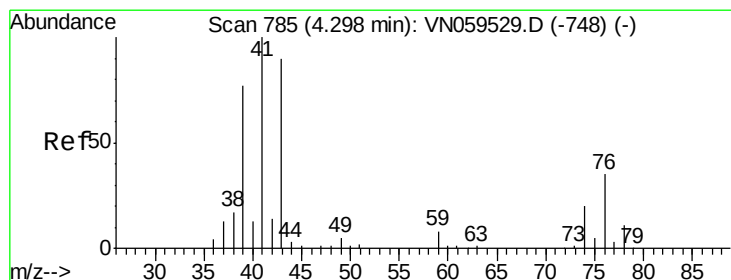
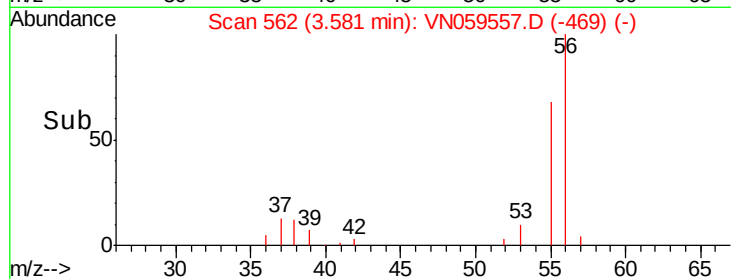
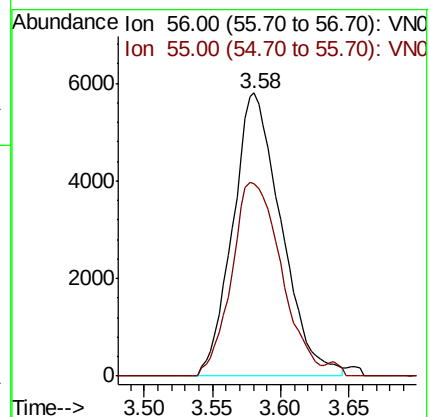
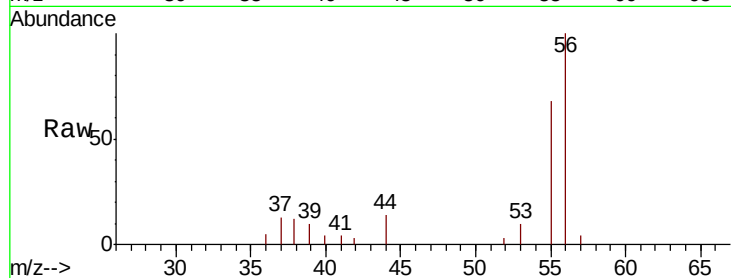
VN1211WBS01

Tot Ion: 56 Resp: 14303

Ion Ratio Lower Upper

56 100

55 70.1 56.9 85.3



#14

Allyl chloride

Concen: 19.591 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

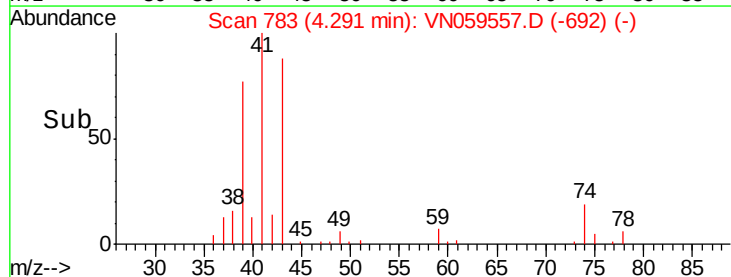
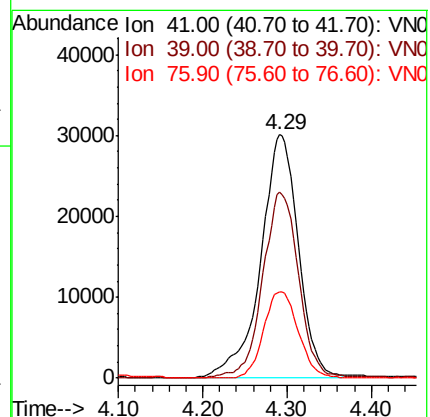
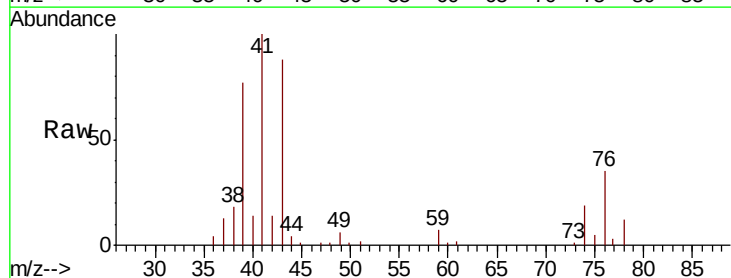
Tgt Ion: 41 Resp: 93523

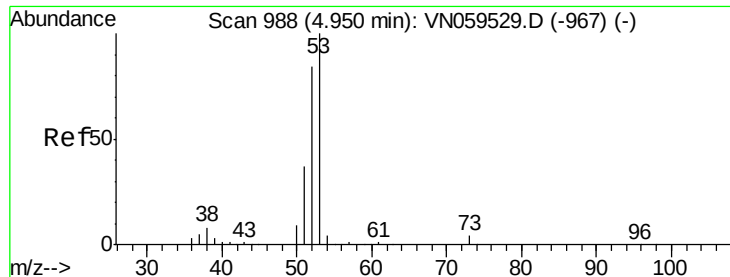
Ion Ratio Lower Upper

41 100

39 72.6 56.7 85.1

76 32.4 25.5 38.3





#15

Acrylonitrile

Concen: 100.735 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

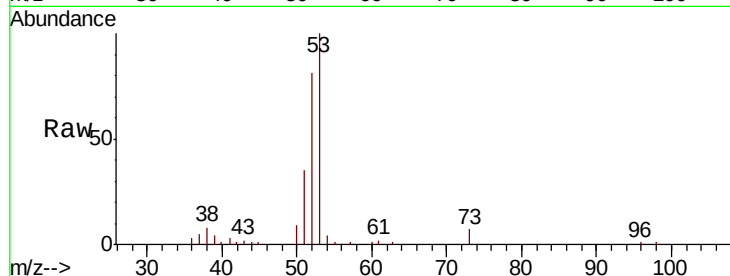
Tot Ion: 53 Resp: 146467

Ion Ratio Lower Upper

53 100

52 81.8 66.6 99.8

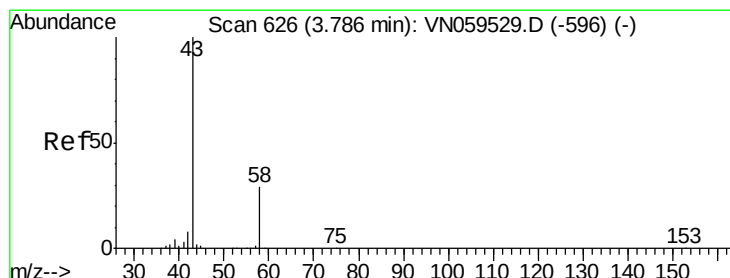
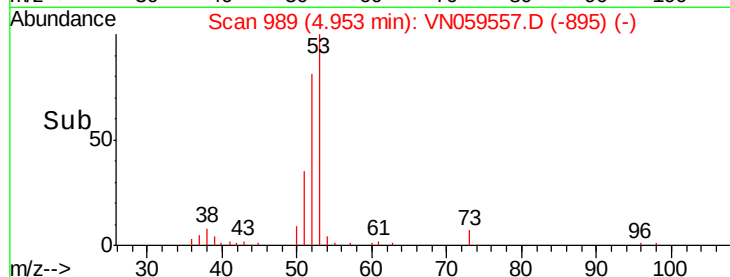
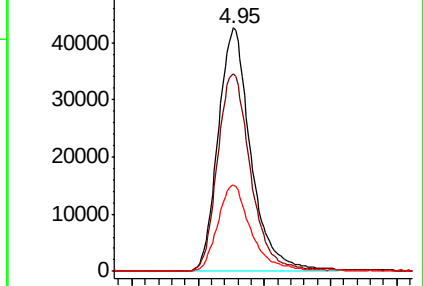
51 36.2 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN059529.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN059529.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN059529.D (-967) (-)



#16

Acetone

Concen: 88.866 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059557.D

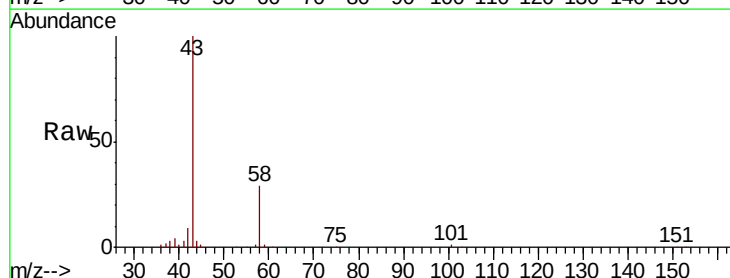
Acq: 11 Dec 2019 13:08

Tgt Ion: 43 Resp: 138333

Ion Ratio Lower Upper

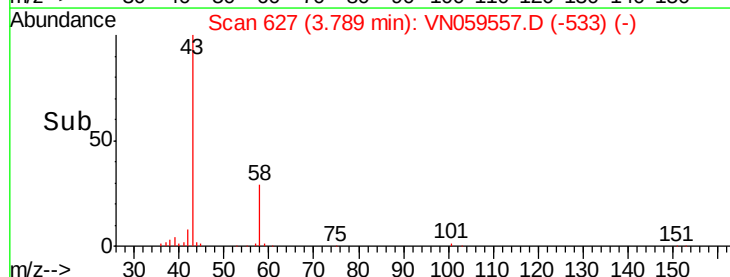
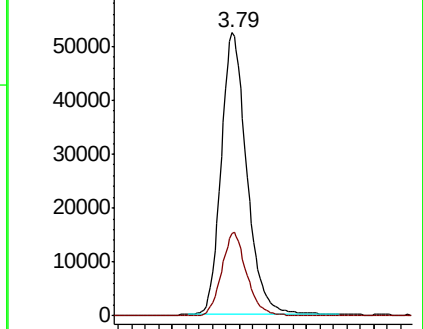
43 100

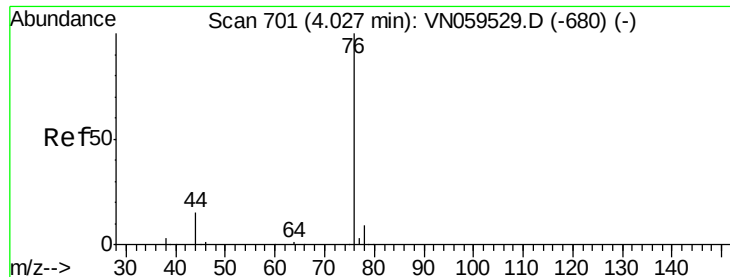
58 29.2 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-596) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-596) (-)





#17

Carbon Disulfide

Concen: 19.568 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

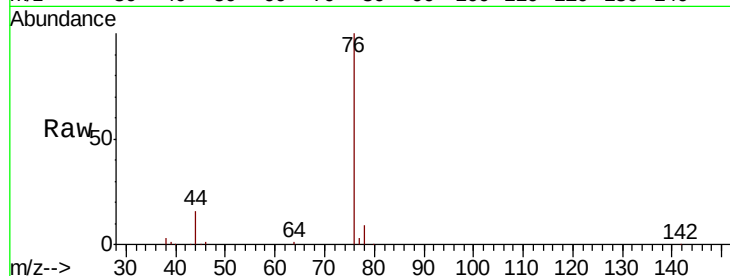
VN1211WBS01

Tot Ion: 76 Resp: 156484

Ion Ratio Lower Upper

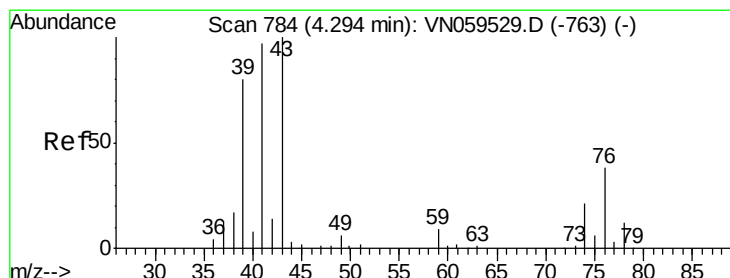
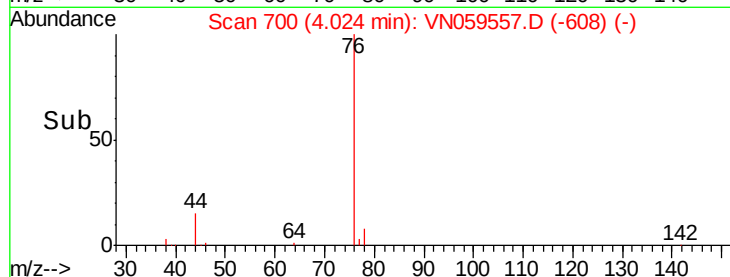
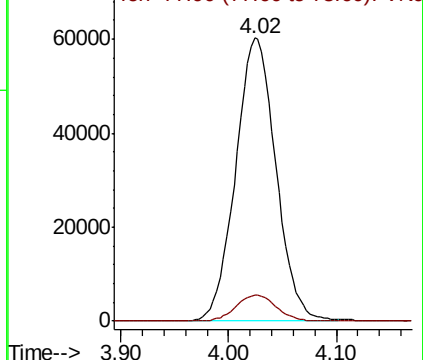
76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 19.177 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059557.D

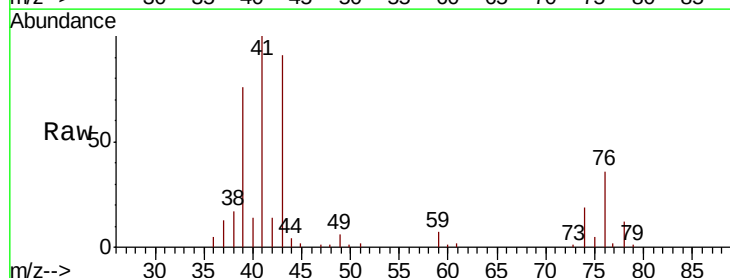
Acq: 11 Dec 2019 13:08

Tgt Ion: 43 Resp: 78374

Ion Ratio Lower Upper

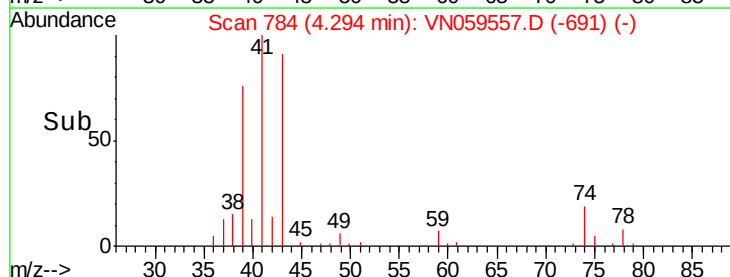
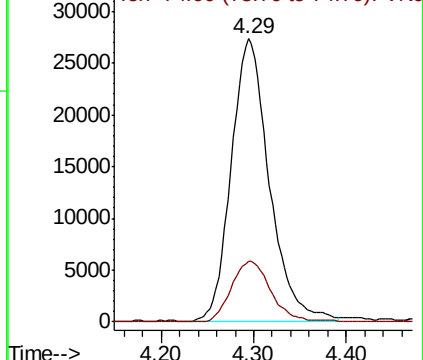
43 100

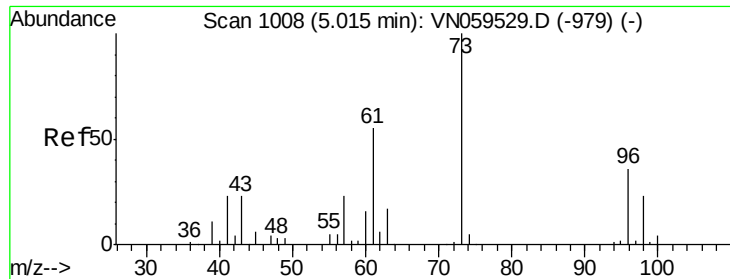
74 21.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

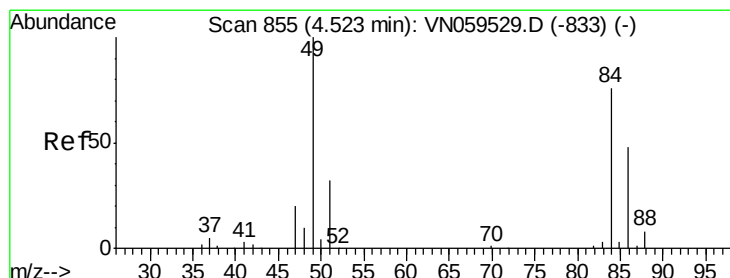
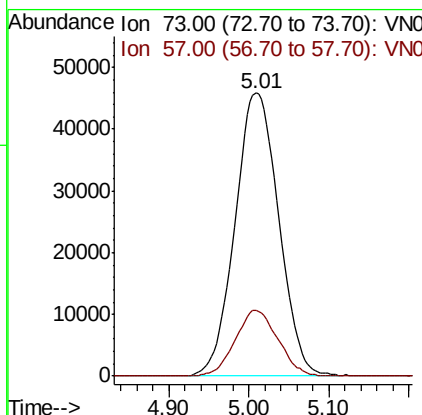
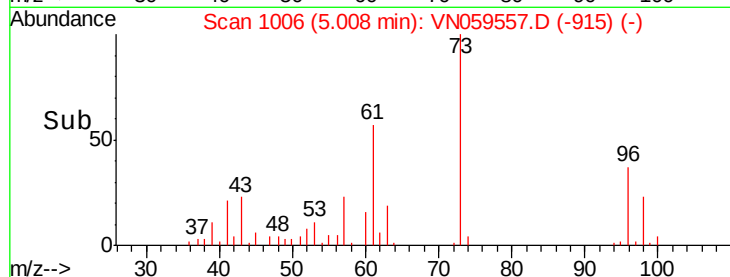
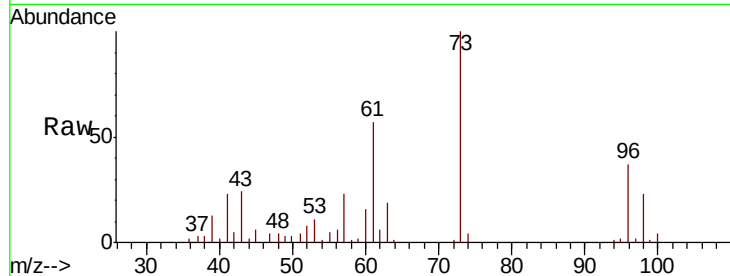




#19
Methyl tert-butyl Ether
Concen: 20.681 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

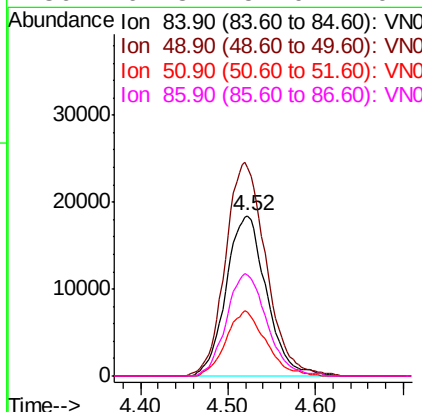
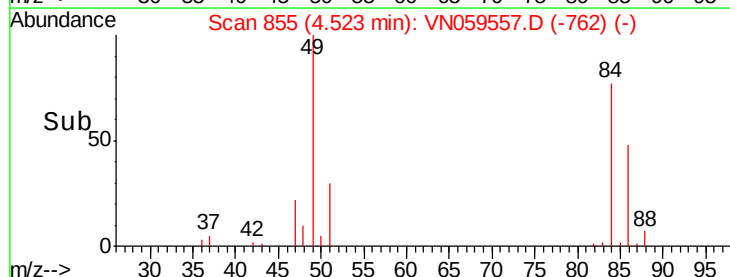
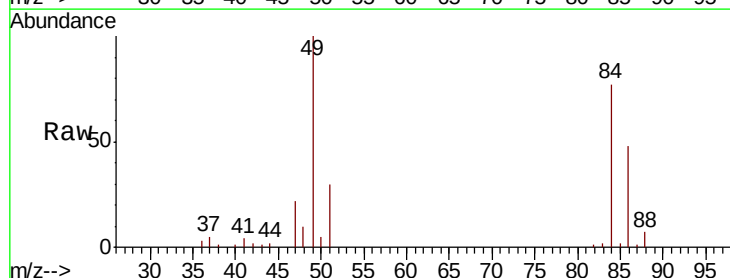
Instrument :
MSVOA_N
ClientSampled :
VN1211WBS01

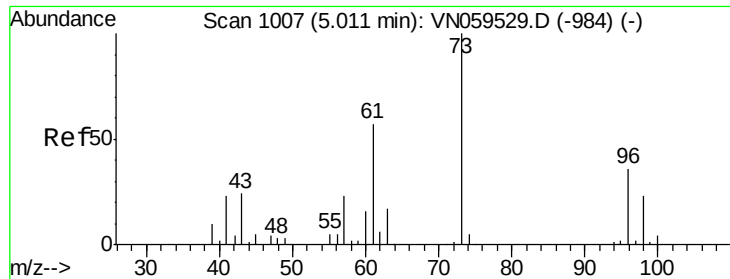
Tot Ion: 73 Resp: 170594
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 20.800 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 84 Resp: 58796
Ion Ratio Lower Upper
84 100
49 129.2 105.8 158.8
51 39.6 33.7 50.5
86 62.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.487 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

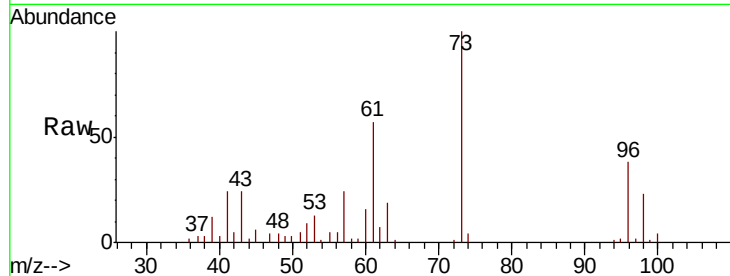
Tot Ion: 96 Resp: 54565

Ion Ratio Lower Upper

96 100

61 150.6 124.8 187.2

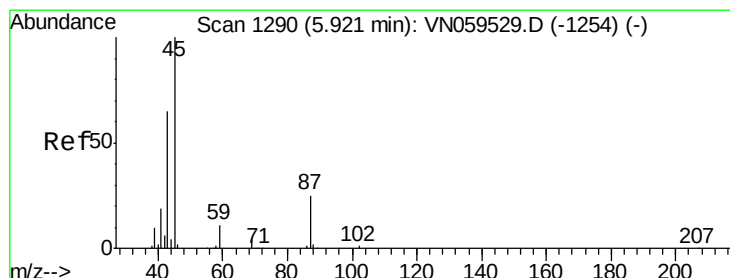
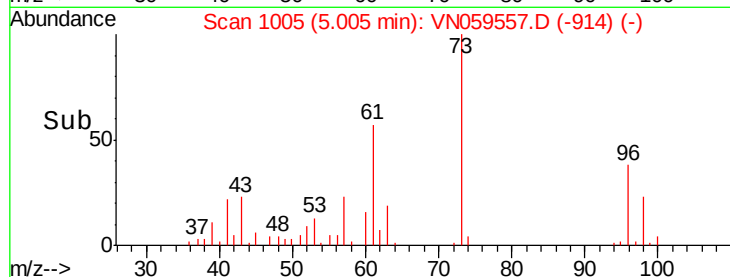
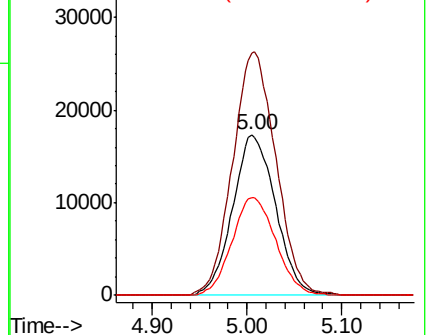
98 61.0 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN059557.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059557.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059557.D (-914) (-)



#22

Diisopropyl ether

Concen: 20.639 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Tgt Ion: 45 Resp: 187562

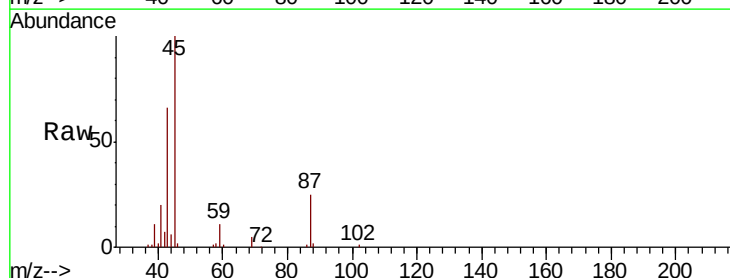
Ion Ratio Lower Upper

45 100

43 63.8 52.8 79.2

87 25.1 20.2 30.4

59 10.9 9.1 13.7

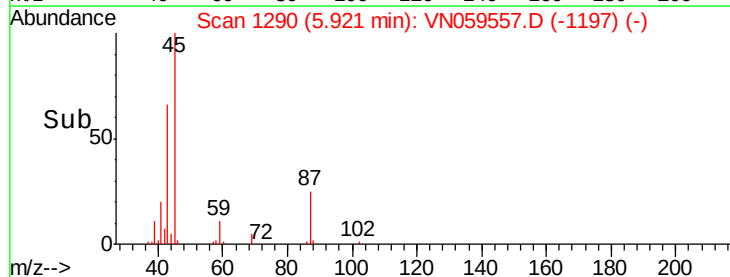
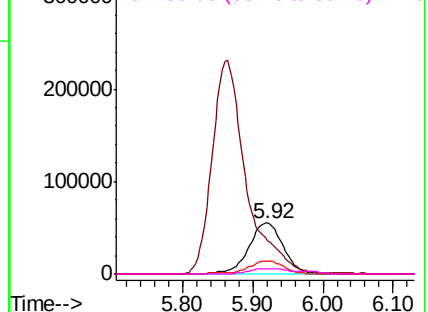


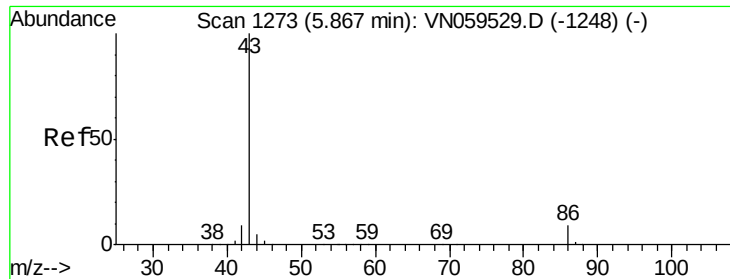
Abundance Ion 45.00 (44.70 to 45.70): VN059557.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059557.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059557.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059557.D (-1197) (-)





#23

Vinyl Acetate

Concen: 102.931 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

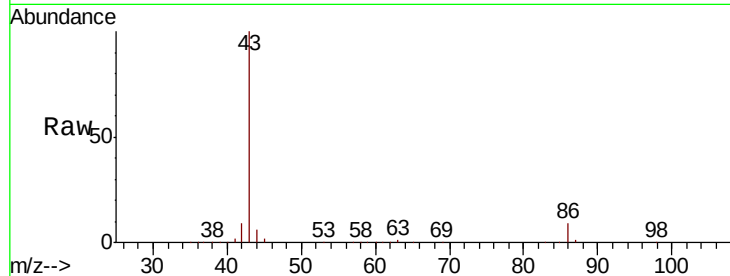
VN1211WBS01

Tot Ion: 43 Resp: 780292

Ion Ratio Lower Upper

43 100

86 9.0 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) (-)

5.86

250000

200000

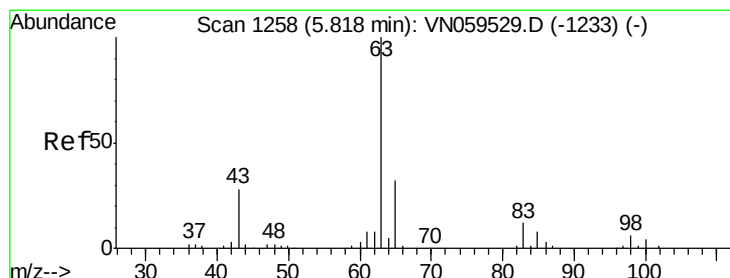
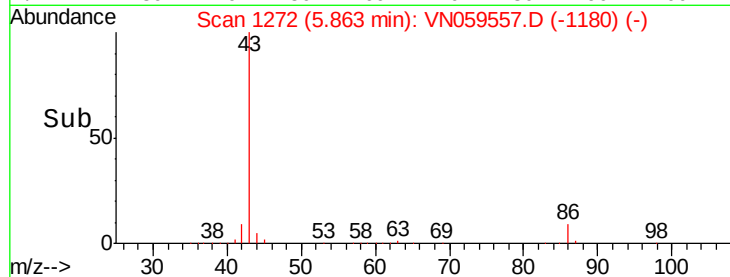
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.834 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

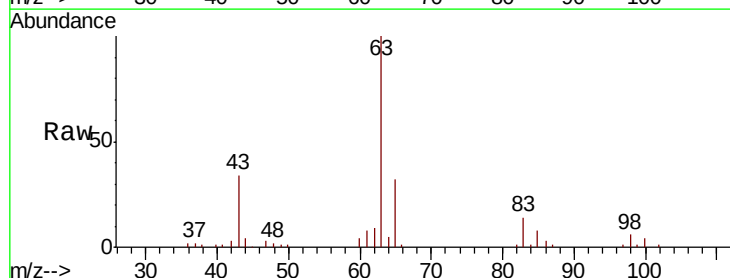
Tgt Ion: 63 Resp: 107496

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

100 4.3 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

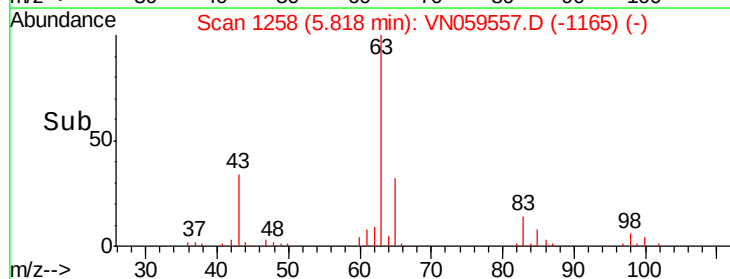
30000

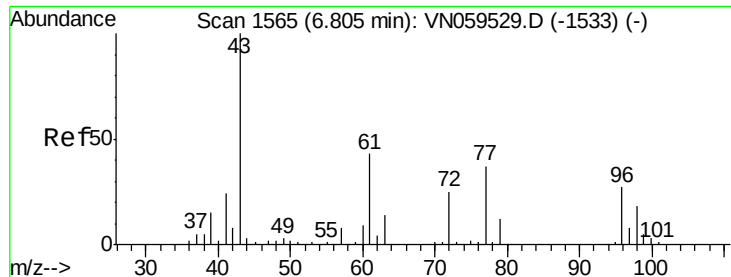
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.563 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

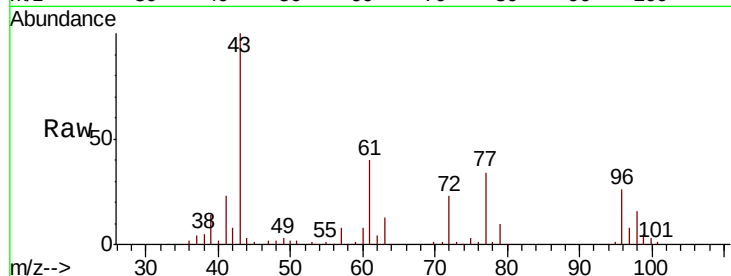
VN1211WBS01

Tot Ion: 43 Resp: 206520

Ion Ratio Lower Upper

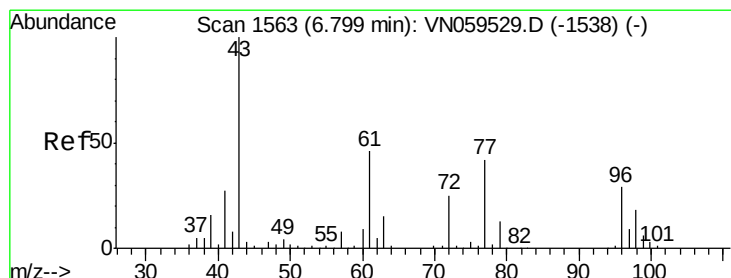
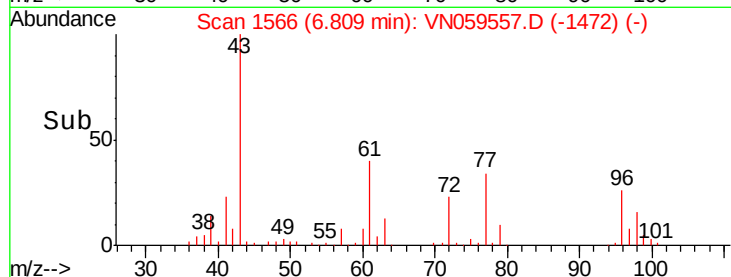
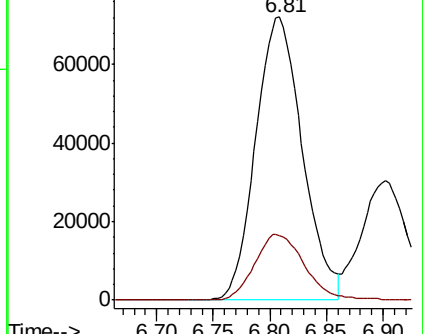
43 100

72 22.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1533) (-)

Ion 72.00 (71.70 to 72.70): VN059529.D (-1533) (-)



#26

2,2-Dichloropropane

Concen: 20.970 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059557.D

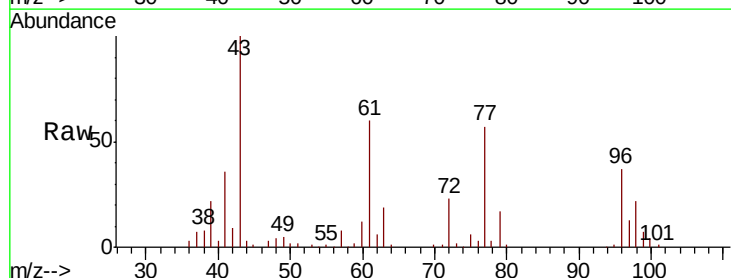
Acq: 11 Dec 2019 13:08

Tgt Ion: 77 Resp: 97747

Ion Ratio Lower Upper

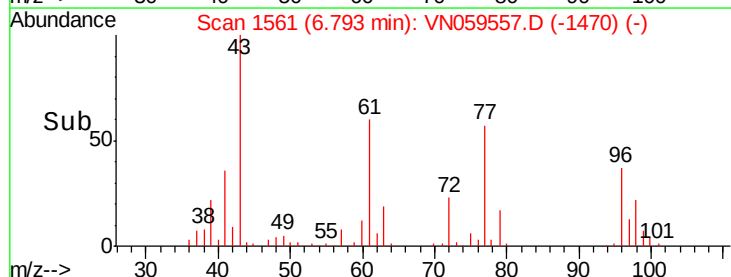
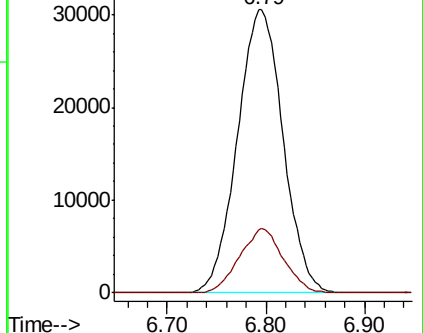
77 100

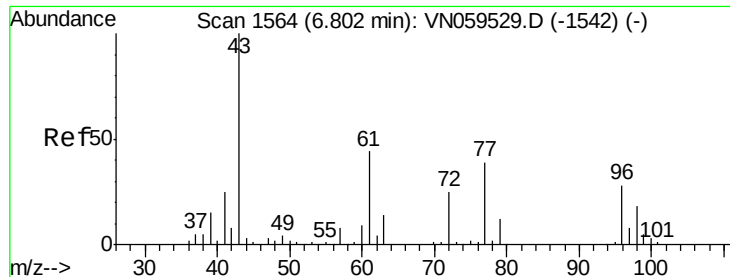
97 21.7 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN059529.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN059529.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.371 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

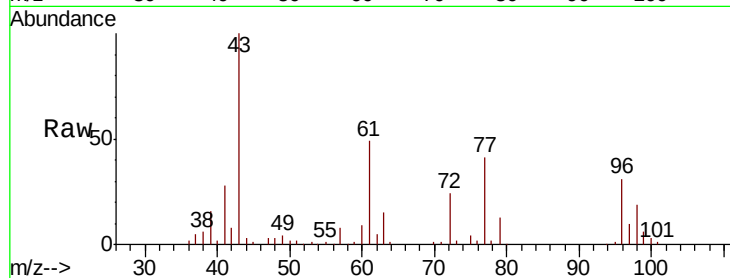
Tot Ion: 96 Resp: 61026

Ion Ratio Lower Upper

96 100

61 161.7 0.0 320.0

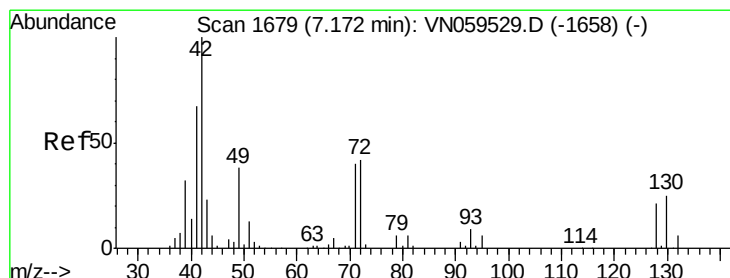
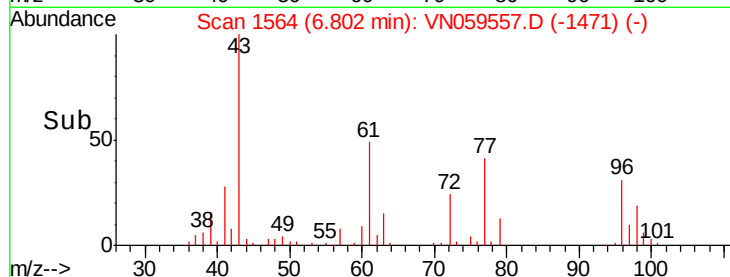
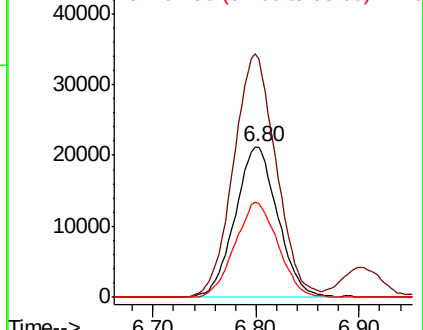
98 63.4 0.0 128.6



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: 20.285 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

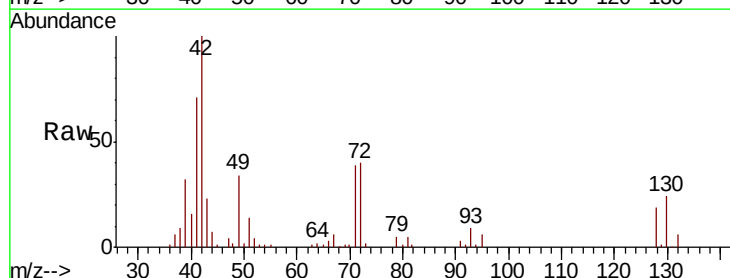
Tgt Ion: 49 Resp: 36083

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.0

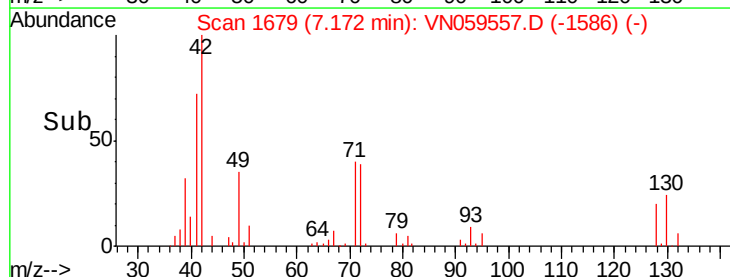
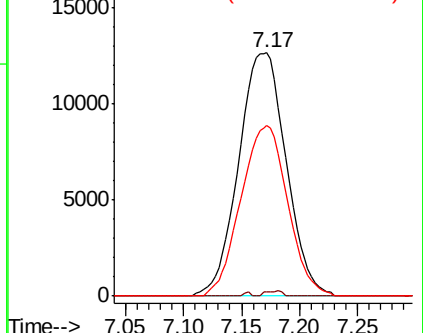
130 68.9 54.2 81.2

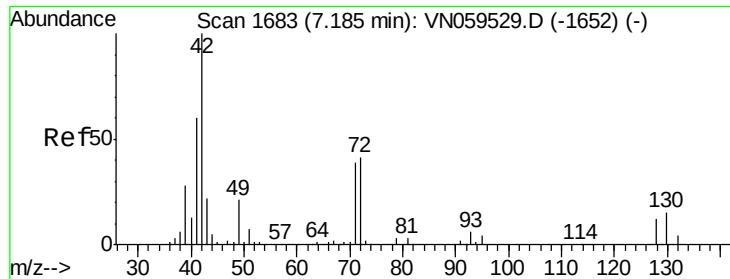


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

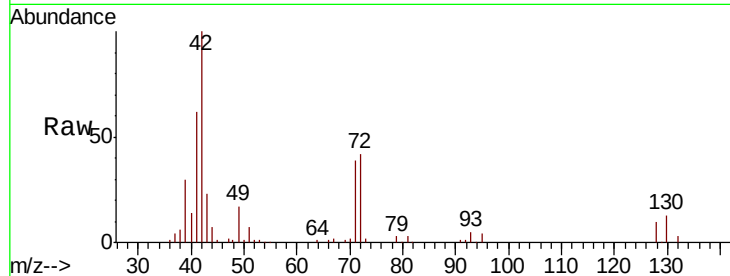




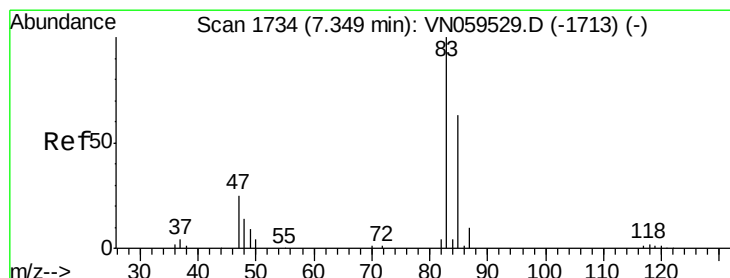
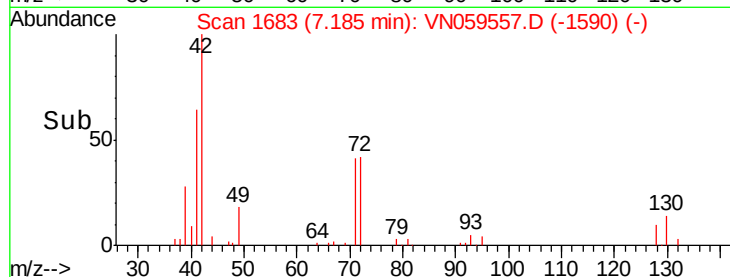
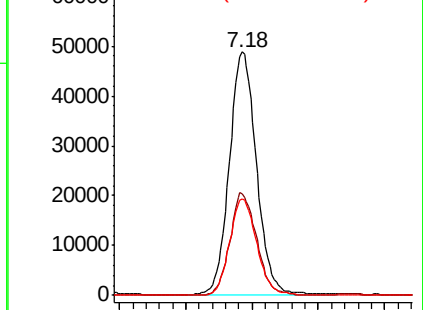
#29
Tetrahydrofuran
Concen: 96.184 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampled :
VN1211WBS01

Tot Ion: 42 Resp: 140185
Ion Ratio Lower Upper
42 100
72 41.1 32.7 49.1
71 39.2 31.4 47.2

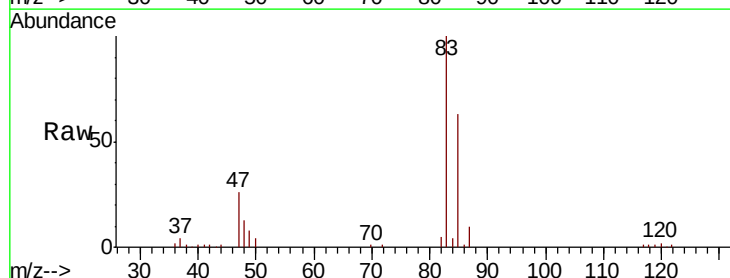


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

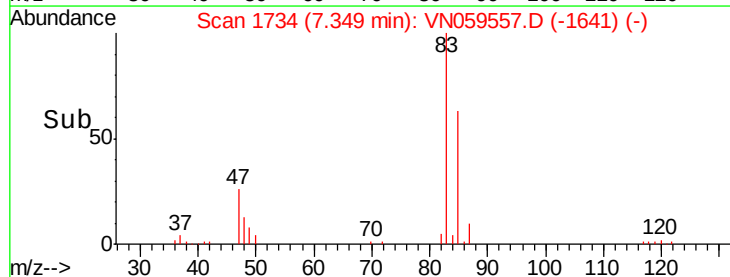
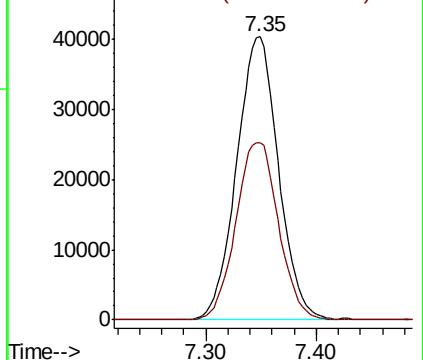


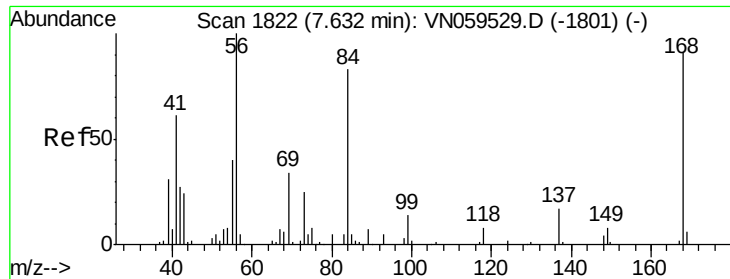
#30
Chloroform
Concen: 20.837 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 83 Resp: 106107
Ion Ratio Lower Upper
83 100
85 62.5 50.6 75.8



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

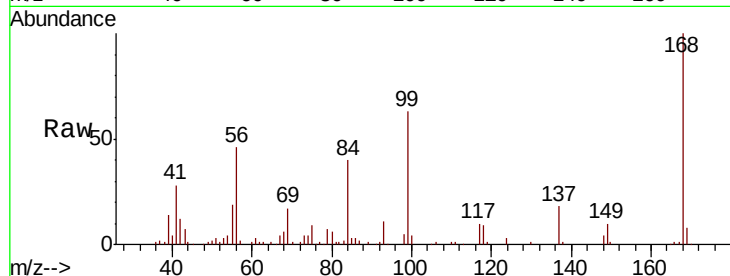




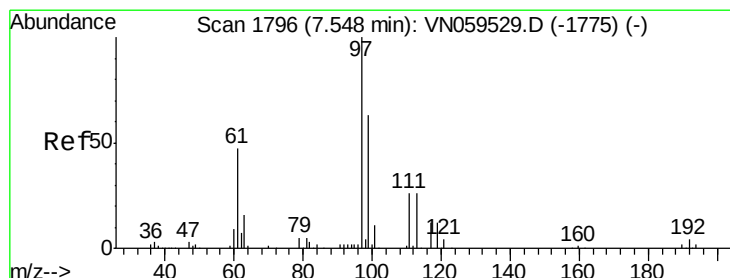
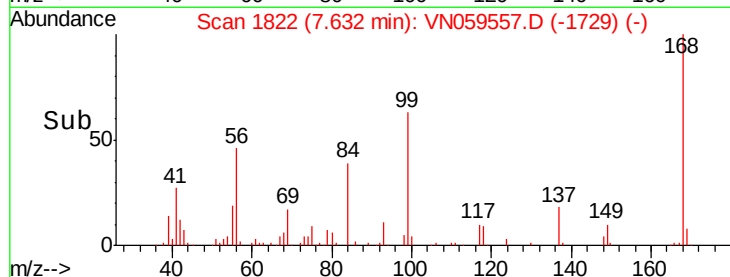
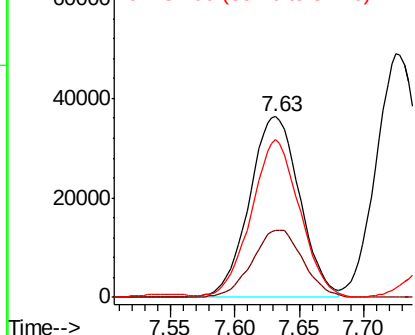
#31
Cyclohexane
Concen: 19.685 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 56 Resp: 98840
Ion Ratio Lower Upper
56 100
69 36.9 26.9 40.3
84 86.1 66.5 99.7

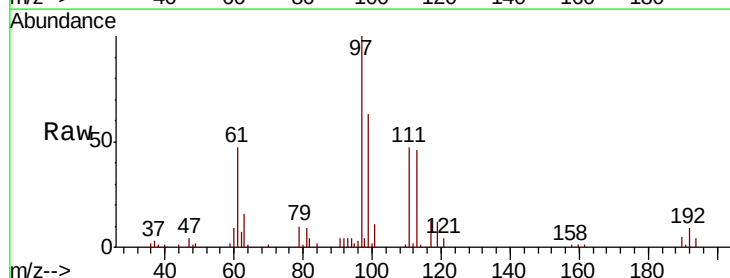


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

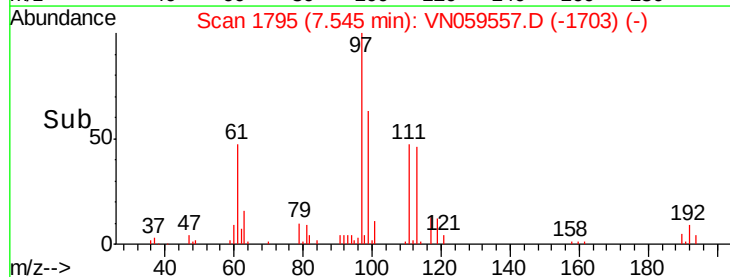
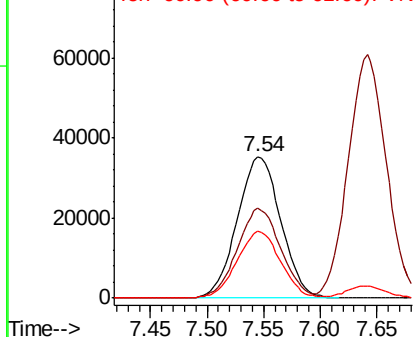


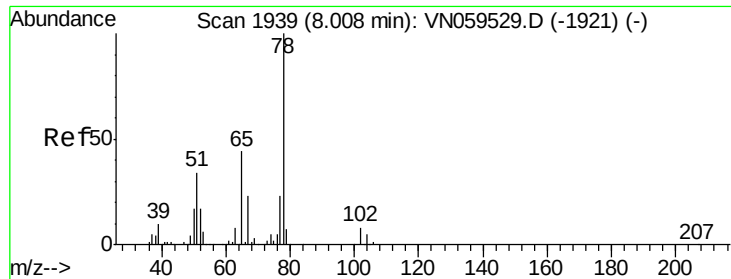
#32
1,1,1-Trichloroethane
Concen: 20.910 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 97 Resp: 94461
Ion Ratio Lower Upper
97 100
99 63.4 51.4 77.2
61 47.3 38.5 57.7



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

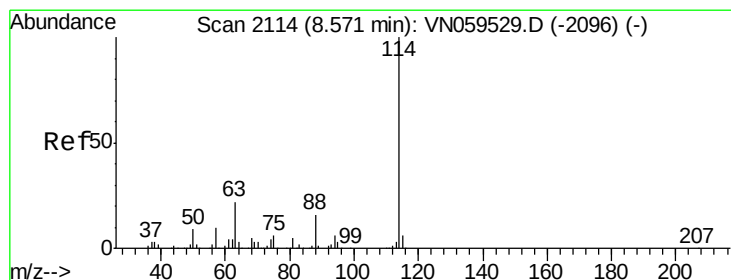
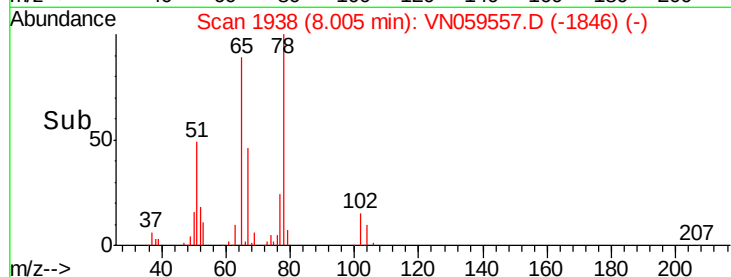
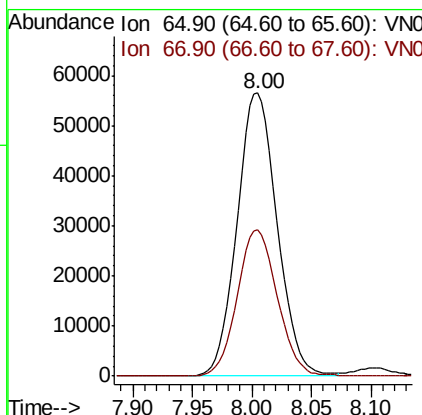
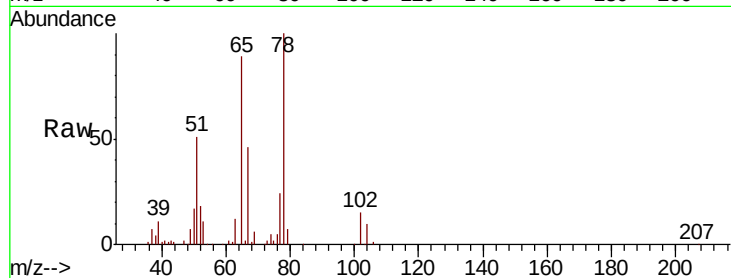




#33
 1,2-Dichloroethane-d4
 Concen: 39.640 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

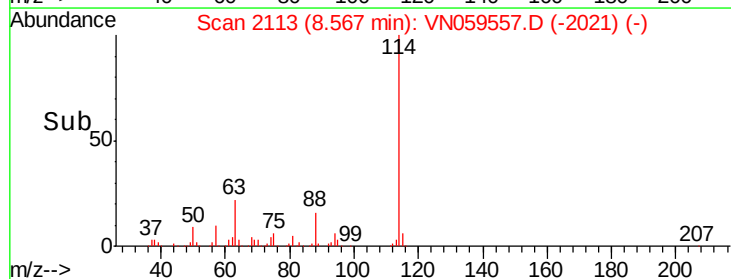
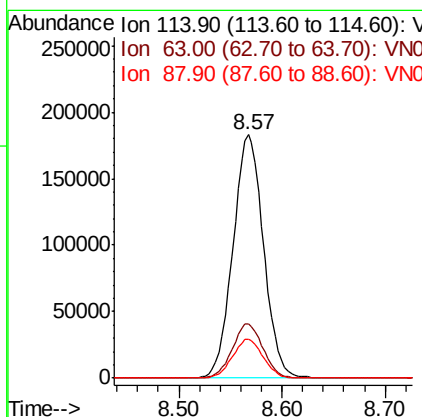
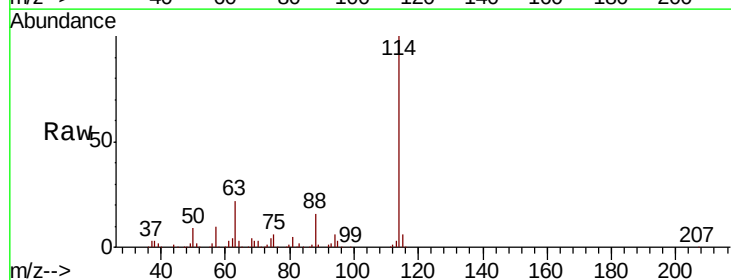
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

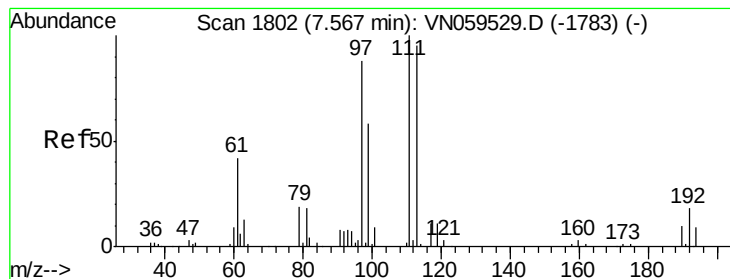
Tot Ion: 65 Resp: 132090
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

Tgt Ion: 114 Resp: 377253
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 42.011 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampled :

VN1211WBS01

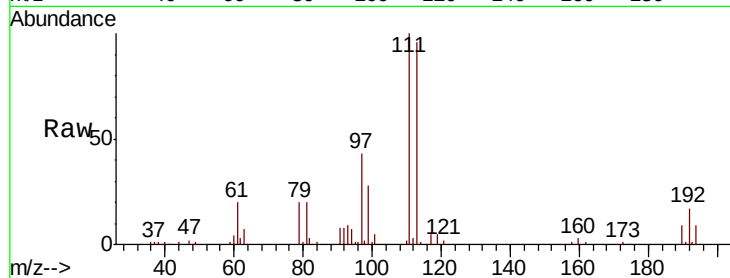
Tot Ion:113 Resp: 94576

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

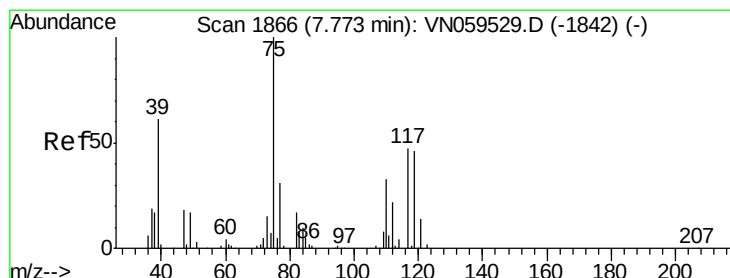
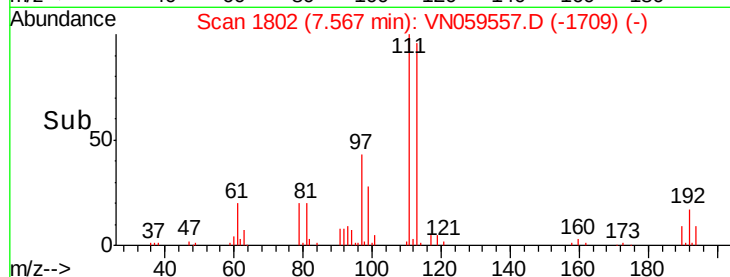
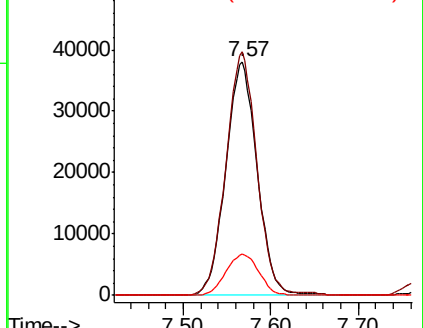
192 18.5 14.8 22.2



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: 21.046 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

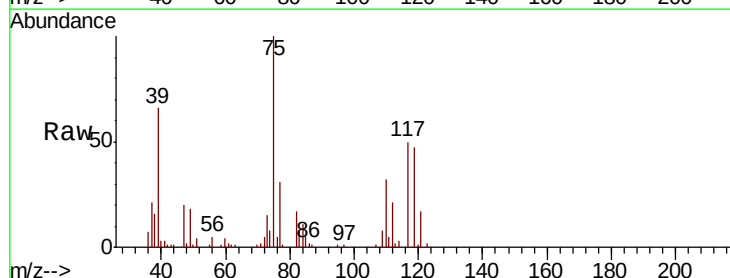
Tgt Ion: 75 Resp: 81460

Ion Ratio Lower Upper

75 100

110 32.8 16.7 50.0

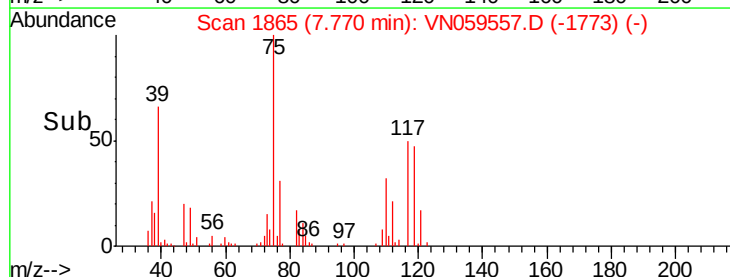
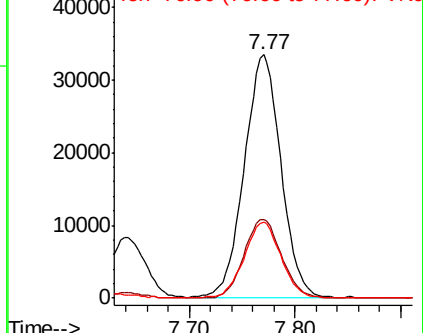
77 31.2 24.6 37.0

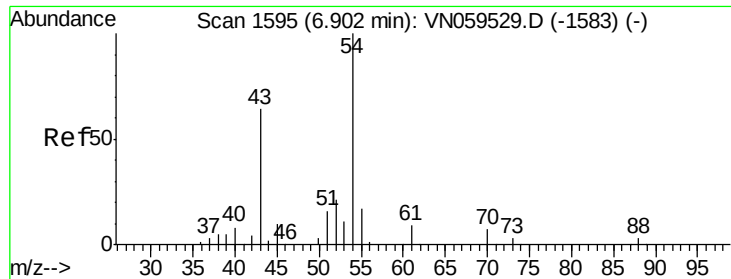


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

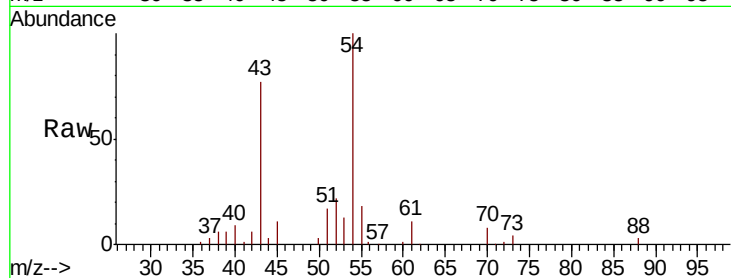




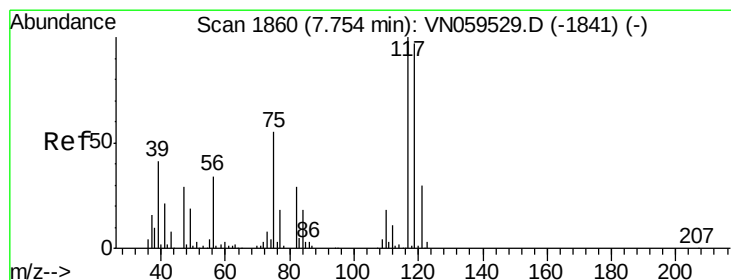
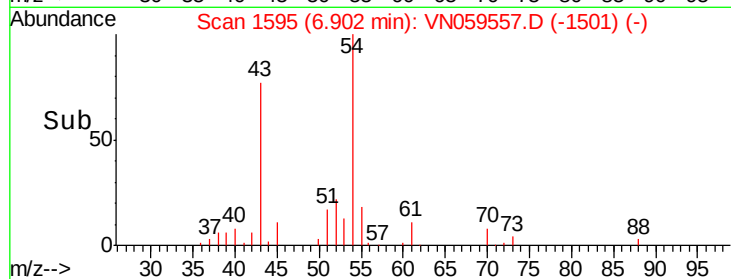
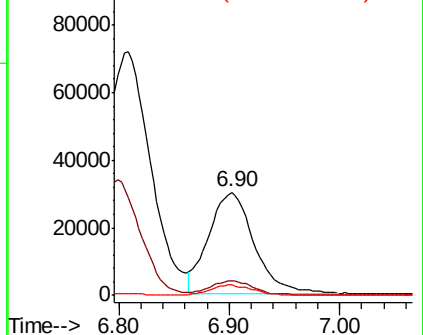
#37
Ethyl Acetate
Concen: 19.998 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 43 Resp: 85965
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.6
70 9.4 7.7 11.5

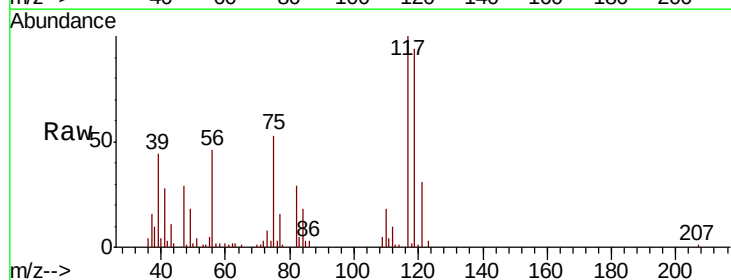


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

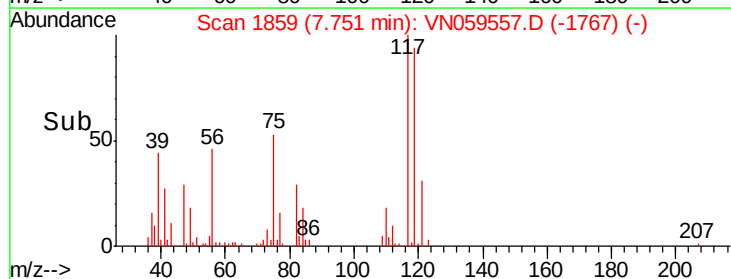
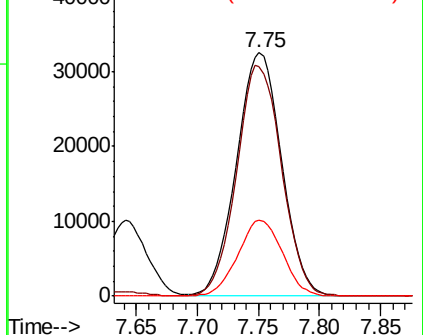


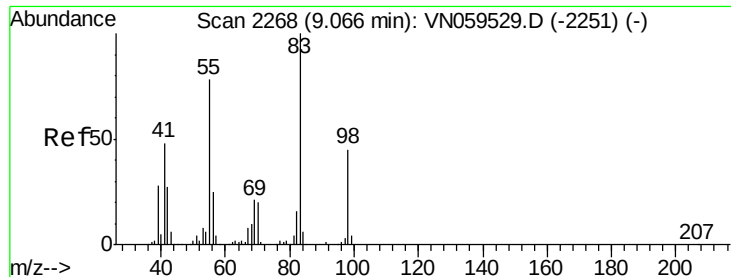
#38
Carbon Tetrachloride
Concen: 21.937 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 117 Resp: 83689
Ion Ratio Lower Upper
117 100
119 94.1 77.0 115.4
121 31.3 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

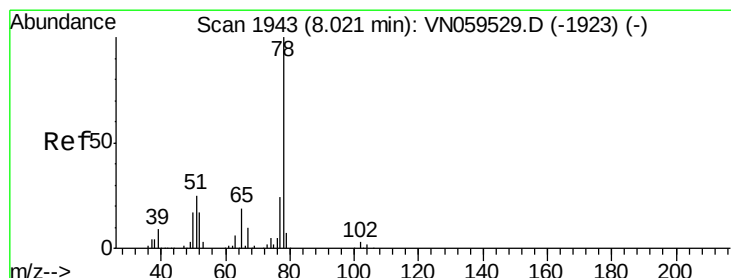
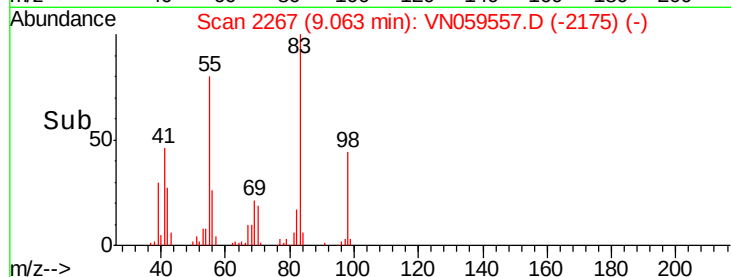
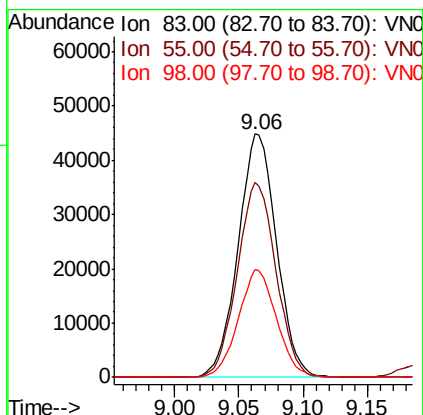
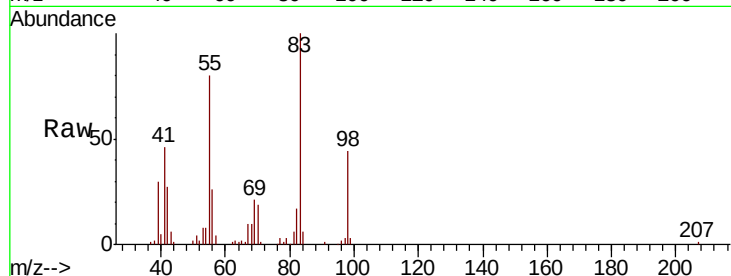




#39
Methylvlcyclohexane
Concen: 21.484 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

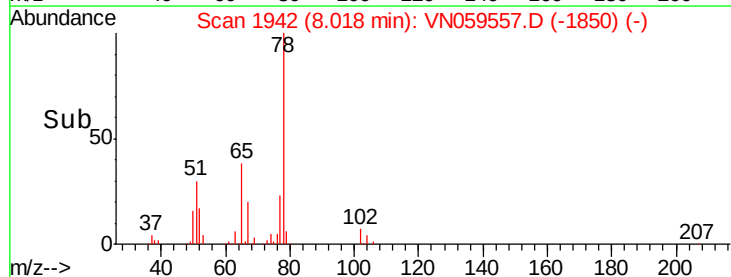
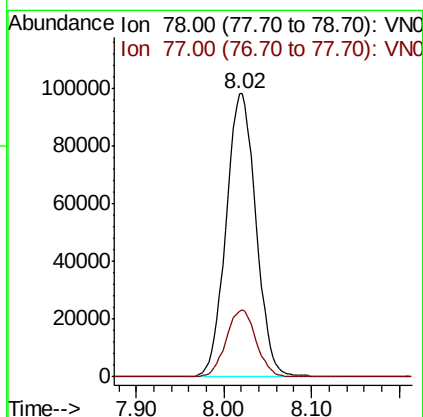
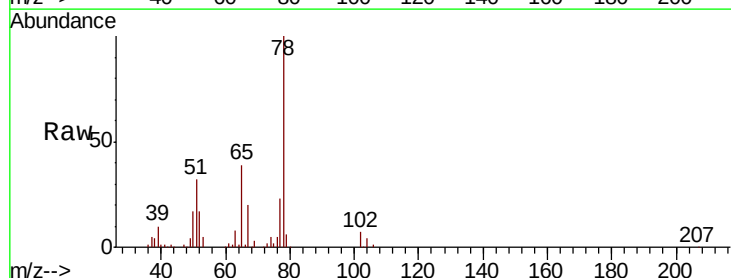
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

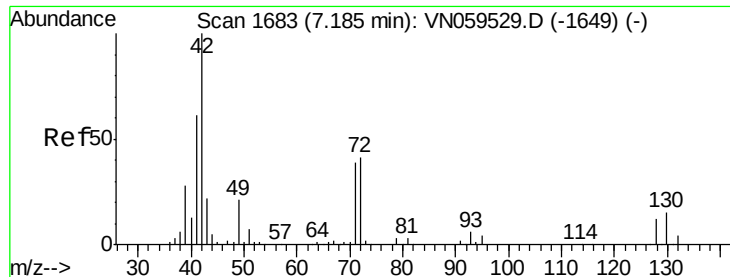
Tot Ion: 83 Resp: 93276
Ion Ratio Lower Upper
83 100
55 80.0 62.7 94.1
98 44.3 35.7 53.5



#40
Benzene
Concen: 21.137 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 78 Resp: 233708
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

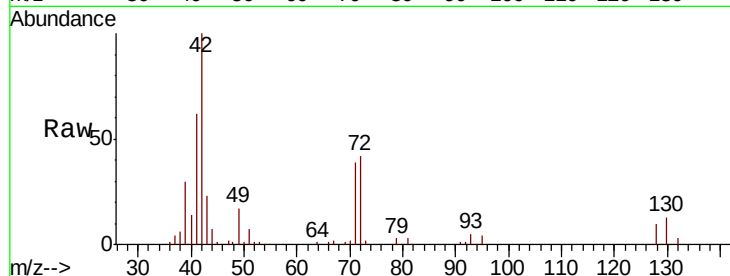




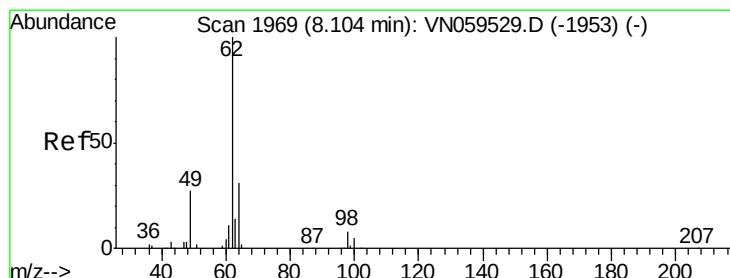
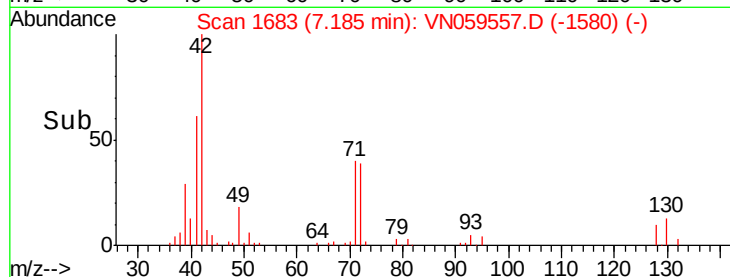
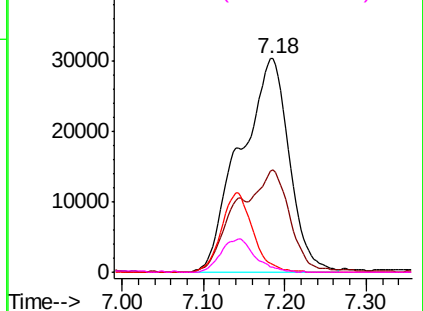
#41
Methacrylonitrile
Concen: 67.596 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion:	41	Resp:	127144
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

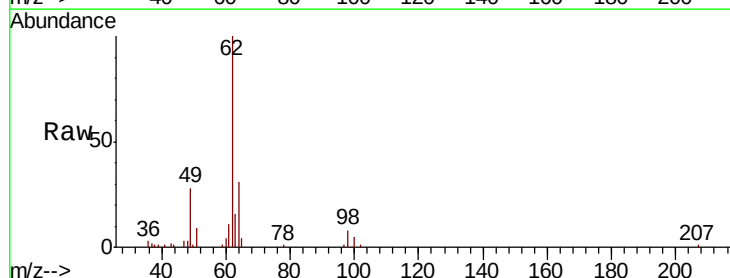


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

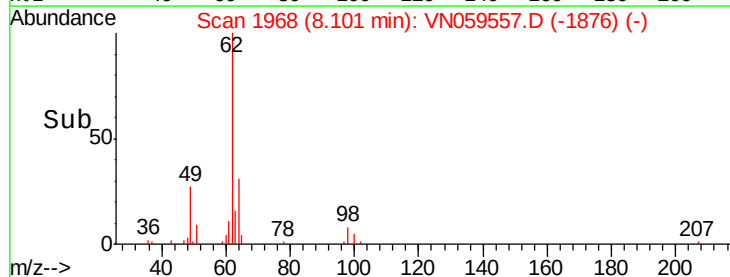
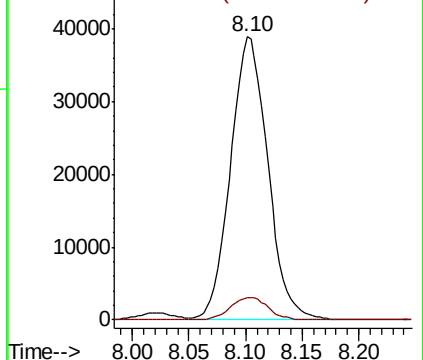


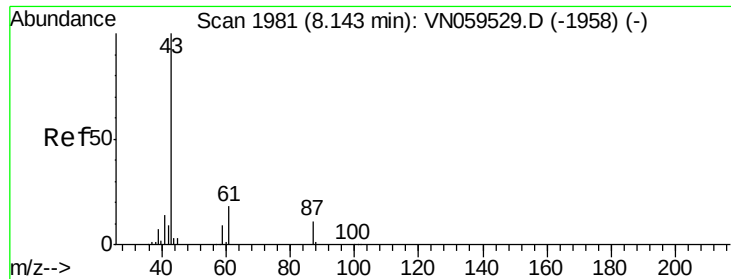
#42
1,2-Dichloroethane
Concen: 21.676 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion:	62	Resp:	89295
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.258 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

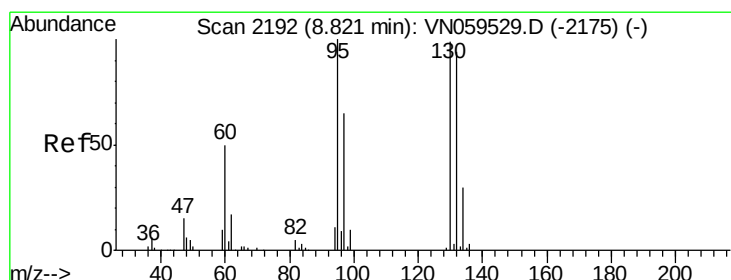
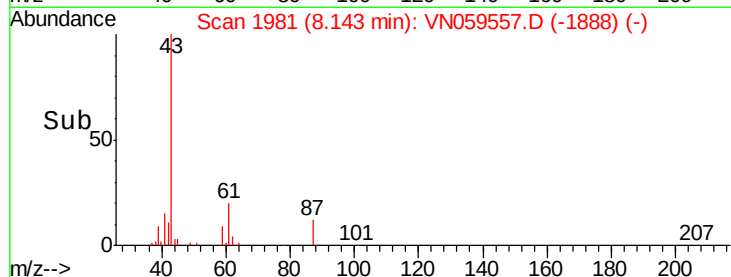
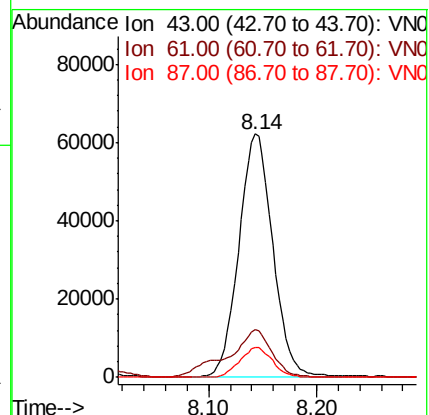
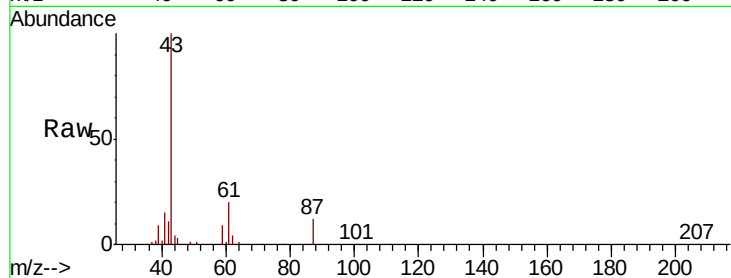
Tot Ion: 43 Resp: 135350

Ion Ratio Lower Upper

43 100

61 19.8 19.8 29.6#

87 12.0 9.4 14.2



#44

Trichloroethene

Concen: 21.300 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059557.D

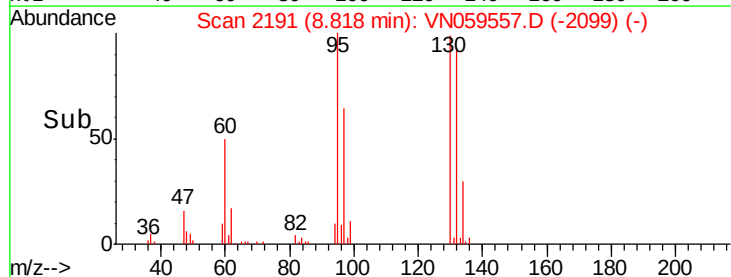
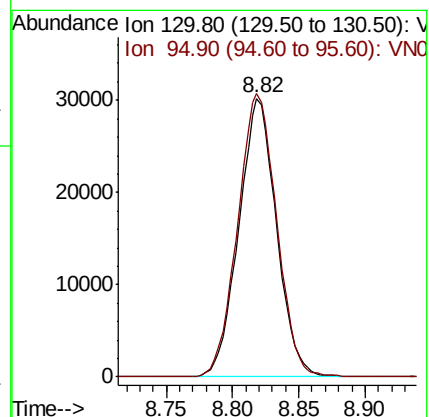
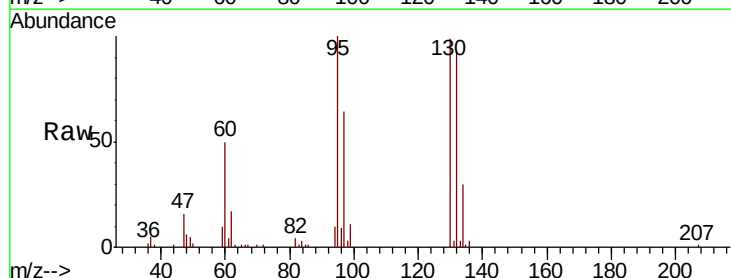
Acq: 11 Dec 2019 13:08

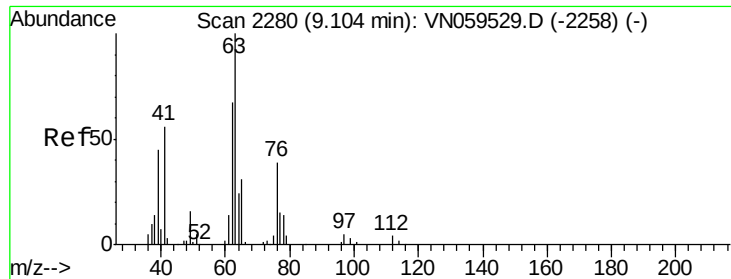
Tgt Ion:130 Resp: 59497

Ion Ratio Lower Upper

130 100

95 101.5 0.0 202.0





#45

1,2-Dichloropropane

Concen: 21.421 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

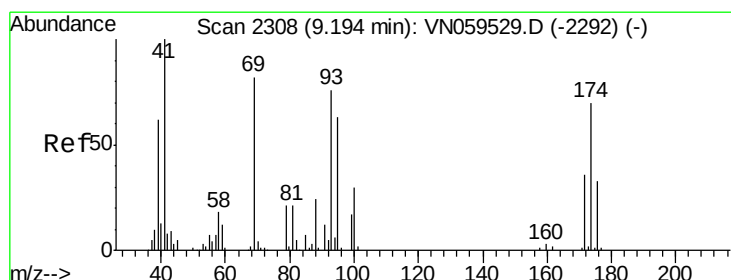
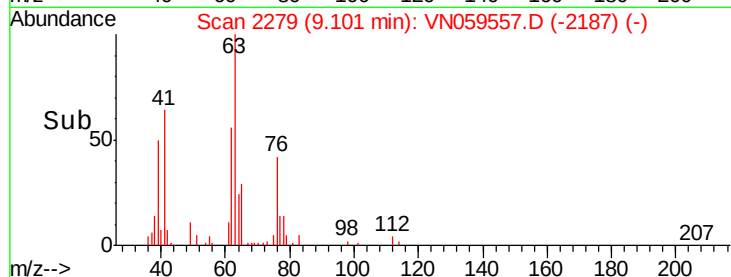
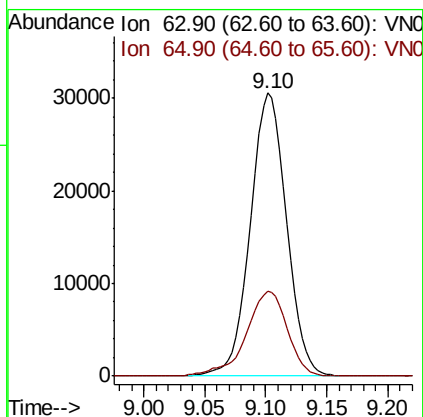
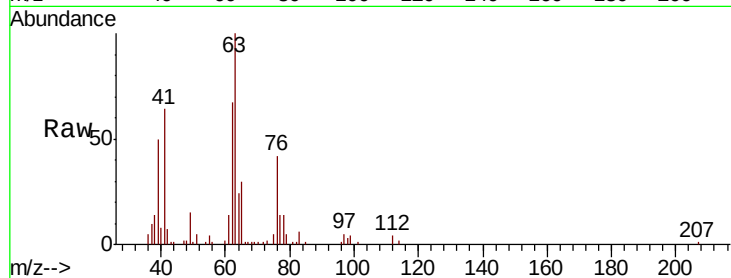
VN1211WBS01

Tot Ion: 63 Resp: 62744

Ion Ratio Lower Upper

63 100

65 29.9 24.8 37.2



#46

Dibromomethane

Concen: 20.704 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

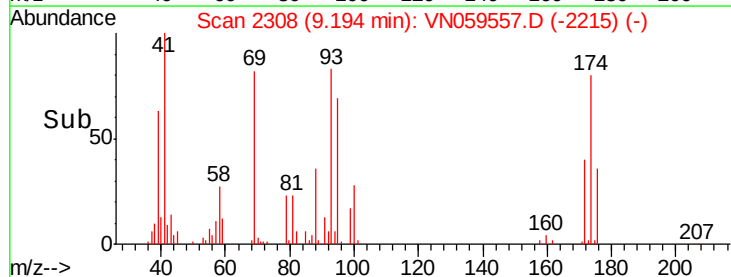
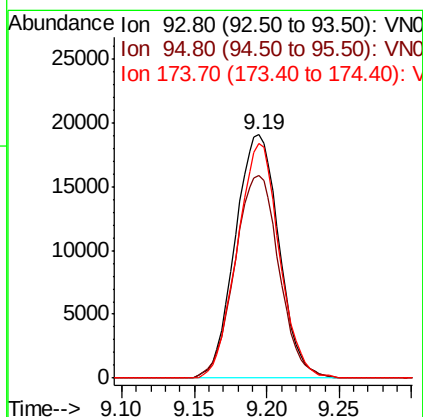
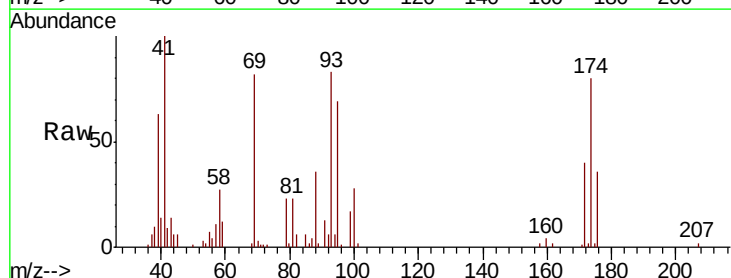
Tgt Ion: 93 Resp: 40078

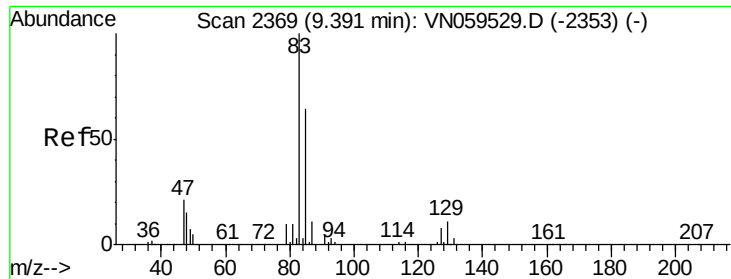
Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.6

174 93.0 75.6 113.4

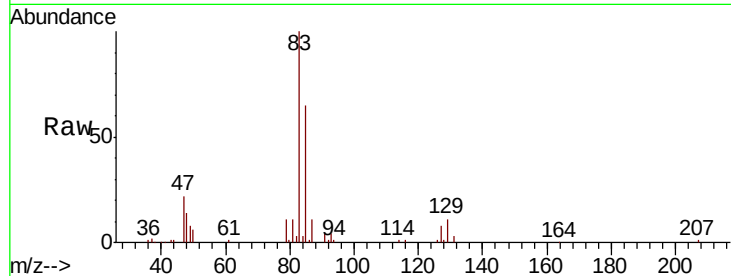




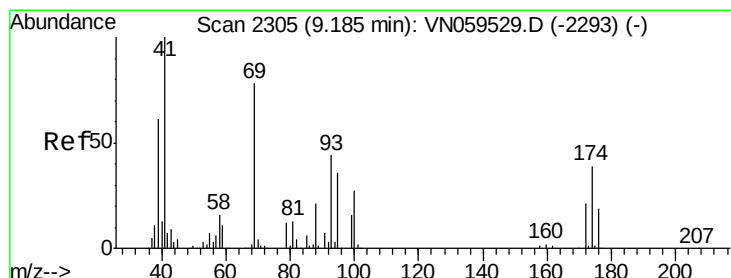
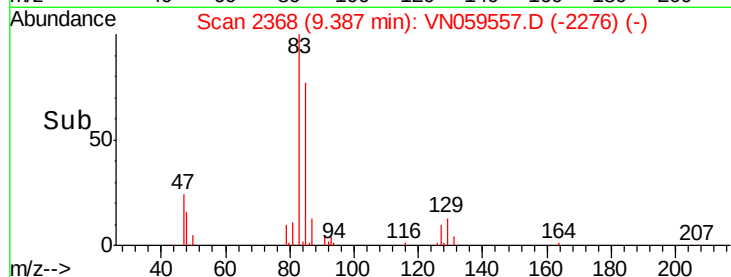
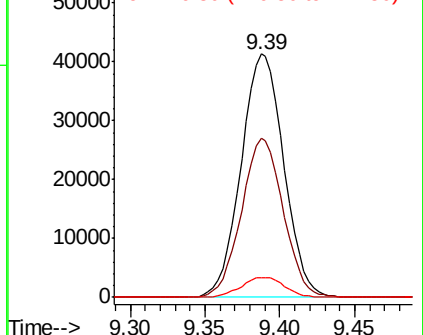
#47
Bromodichloromethane
Concen: 21.308 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 83 Resp: 81976
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.0
127 8.3 6.7 10.1

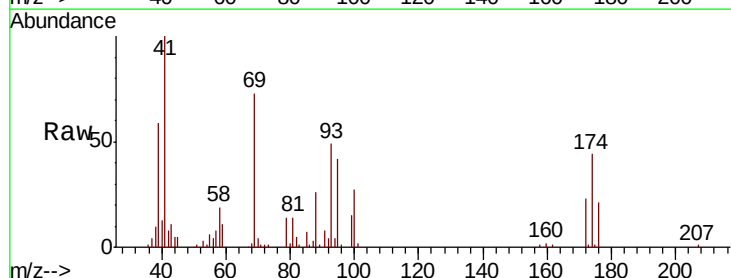


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

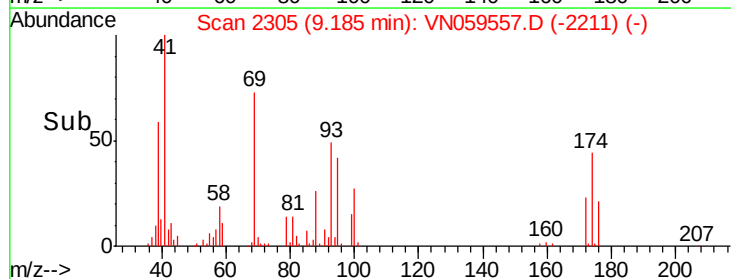
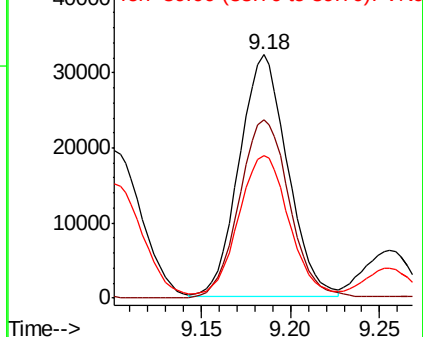


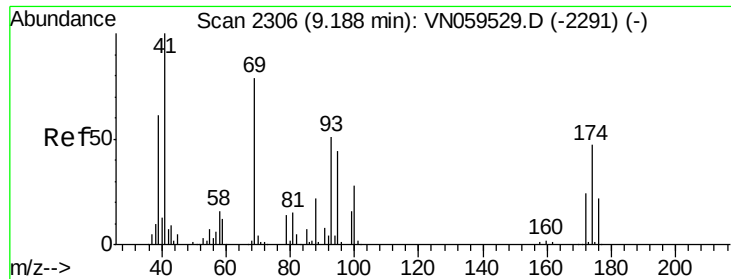
#48
Methyl methacrylate
Concen: 20.894 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 41 Resp: 61040
Ion Ratio Lower Upper
41 100
69 76.7 64.0 96.0
39 61.1 50.0 75.0



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

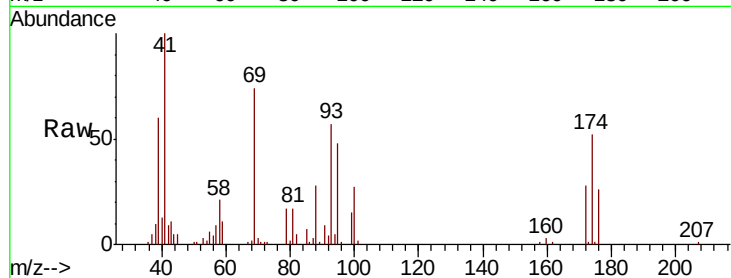




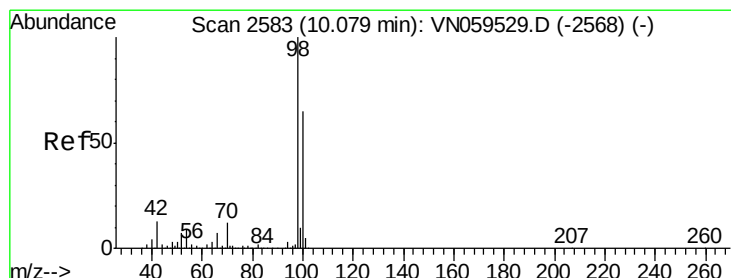
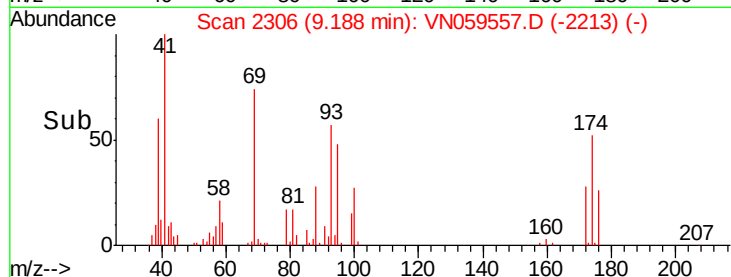
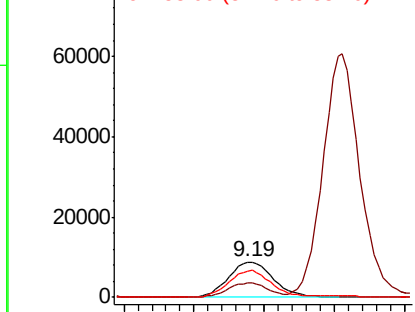
#49
1,4-Dioxane
Concen: 520.985 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion: 88 Resp: 19473
Ion Ratio Lower Upper
88 100
43 36.7 31.4 47.0
58 73.1 61.0 91.6

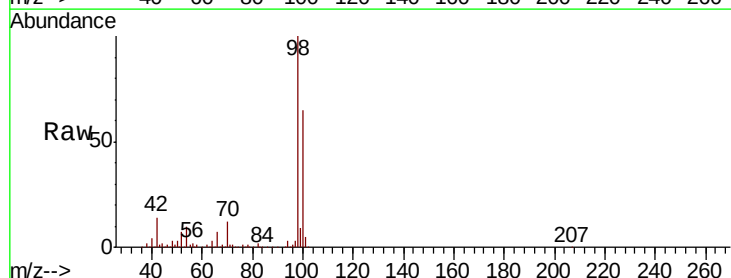


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

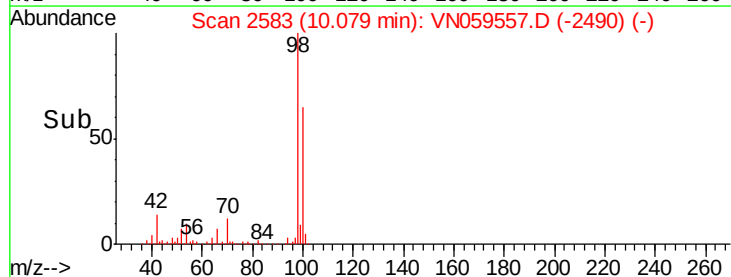
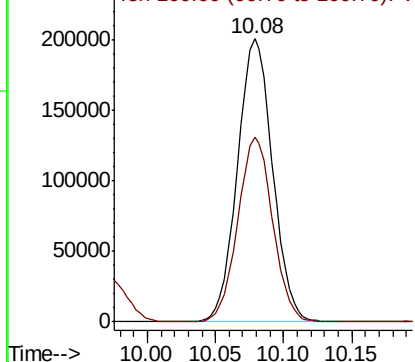


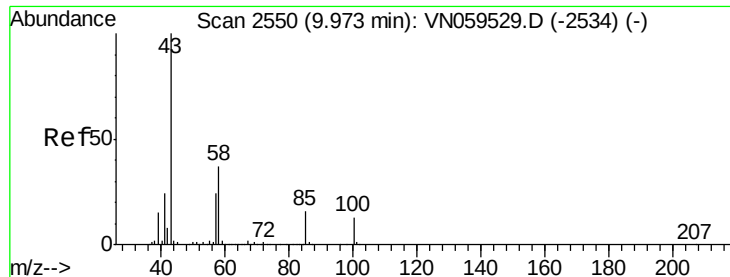
#50
Toluene-d8
Concen: 39.077 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 98 Resp: 359152
Ion Ratio Lower Upper
98 100
100 65.0 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: 97.269 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

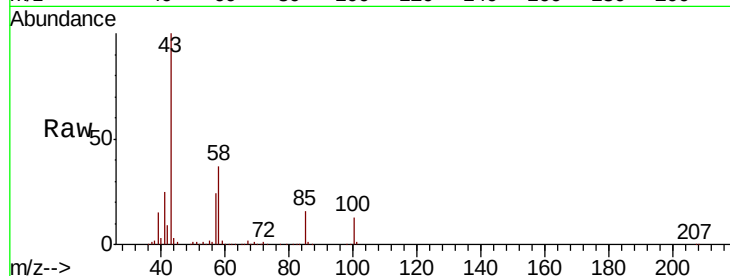
VN1211WBS01

Tot Ion: 43 Resp: 415022

Ion Ratio Lower Upper

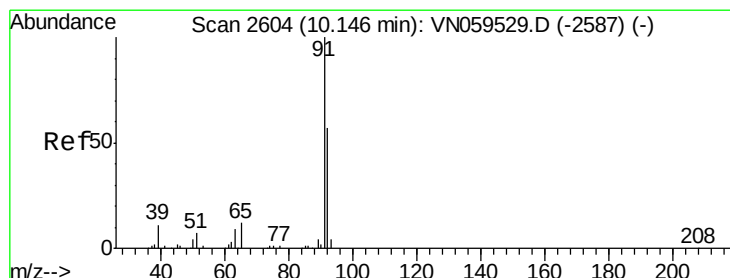
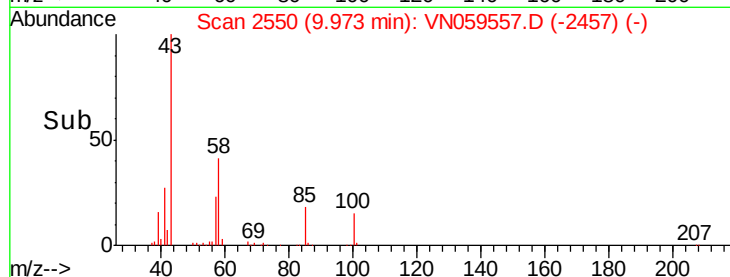
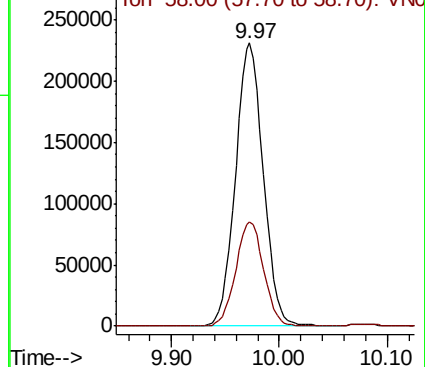
43 100

58 37.0 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.425 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059557.D

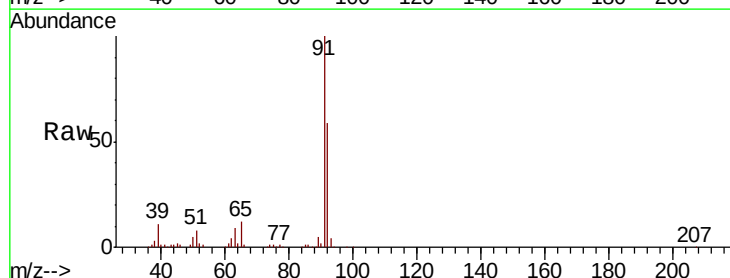
Acq: 11 Dec 2019 13:08

Tgt Ion: 92 Resp: 141149

Ion Ratio Lower Upper

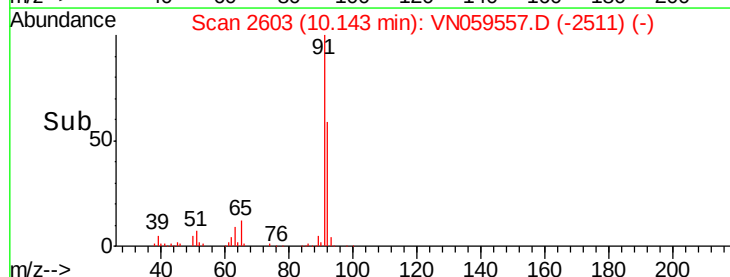
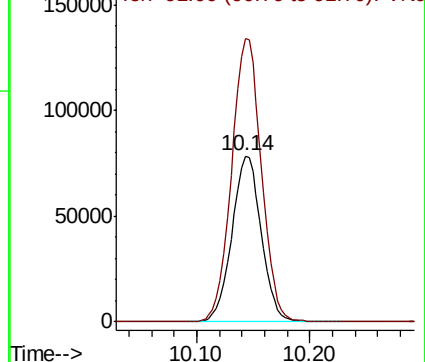
92 100

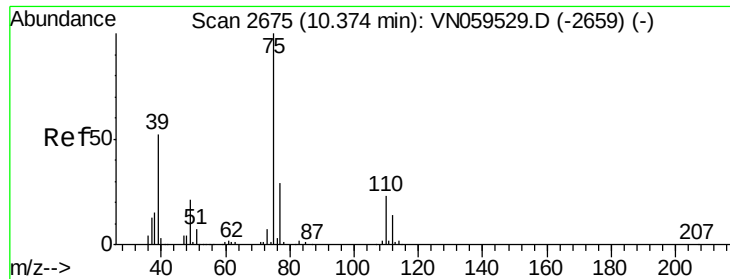
91 173.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.408 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampled :

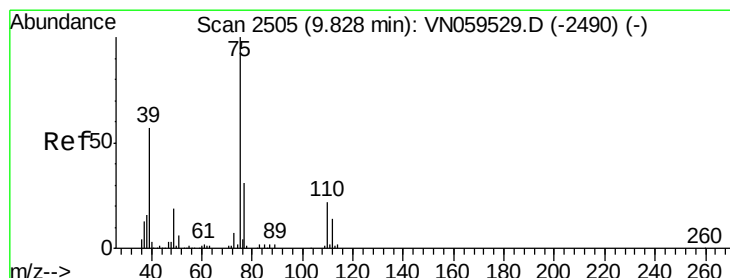
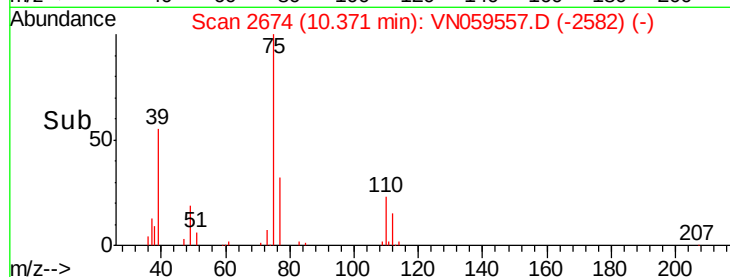
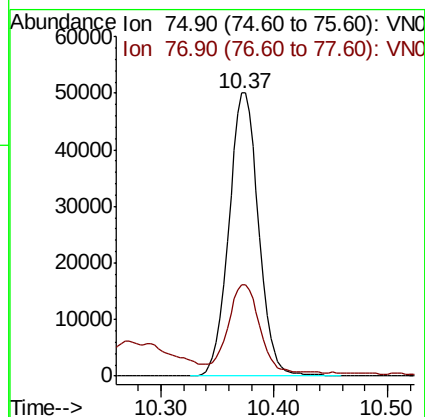
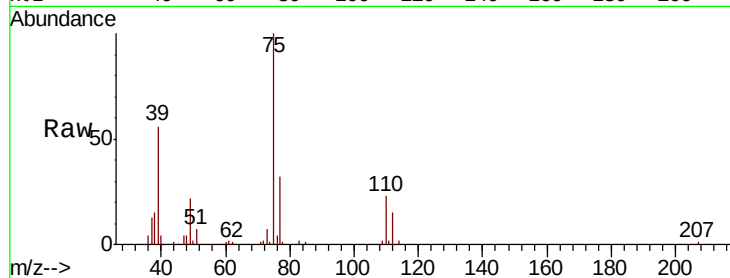
VN1211WBS01

Tot Ion: 75 Resp: 91479

Ion Ratio Lower Upper

75 100

77 31.1 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 21.417 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

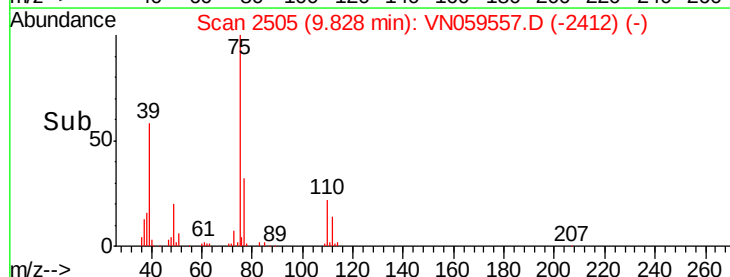
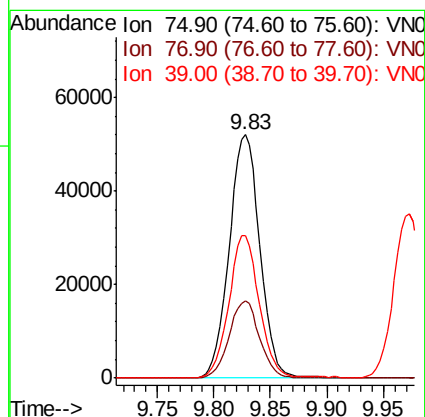
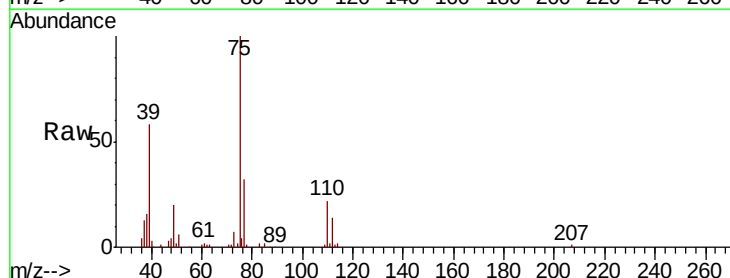
Tgt Ion: 75 Resp: 98255

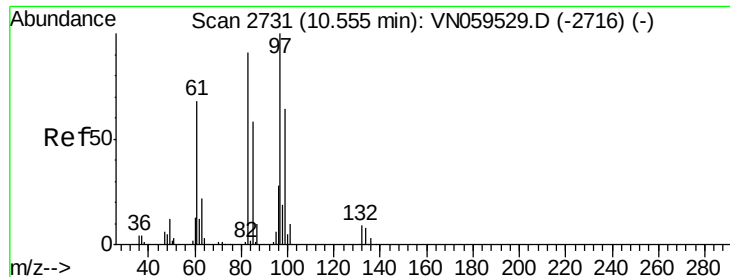
Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 58.4 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 20.942 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

Tot Ion: 97 Resp: 55800

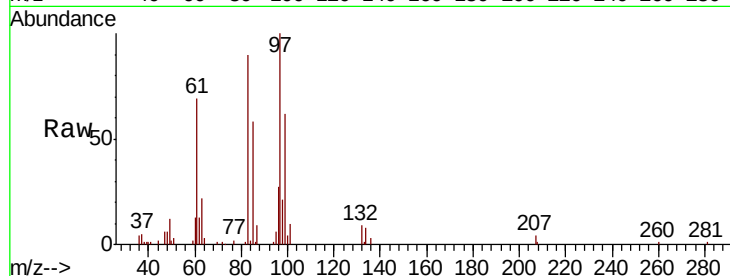
Ion Ratio Lower Upper

97 100

83 89.8 72.9 109.3

85 58.2 46.1 69.1

99 62.4 50.8 76.2

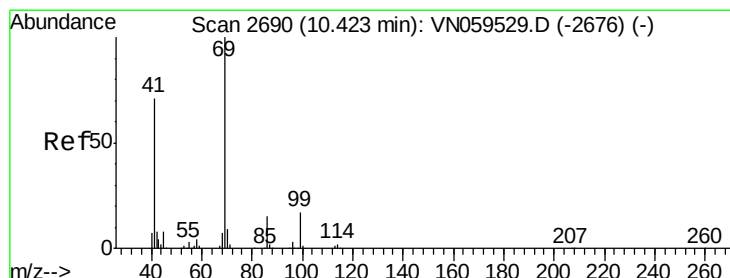
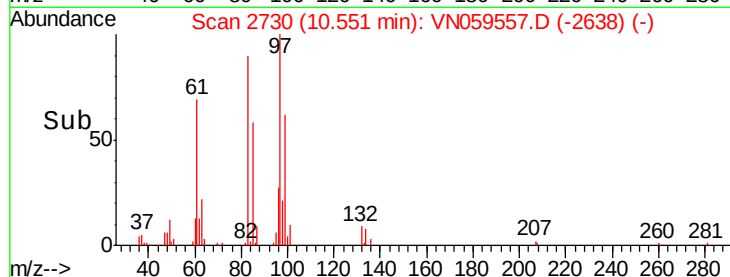
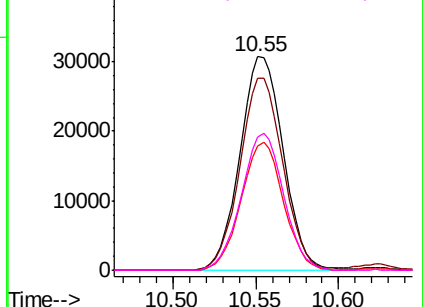


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.539 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

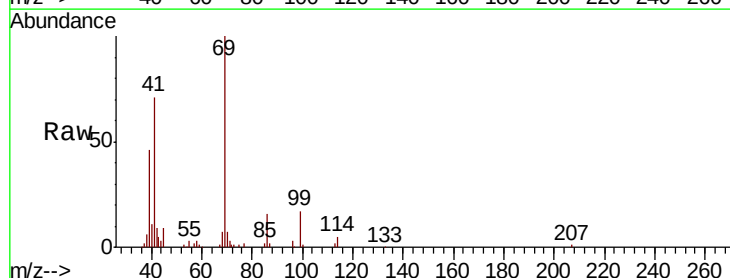
Tgt Ion: 69 Resp: 78678

Ion Ratio Lower Upper

69 100

41 70.3 57.7 86.5

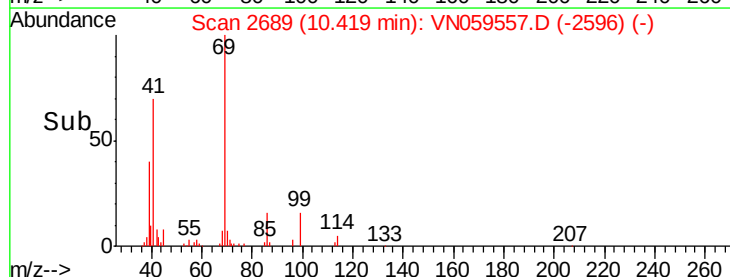
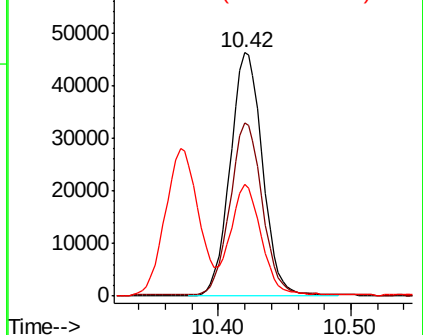
39 43.9 34.2 51.2

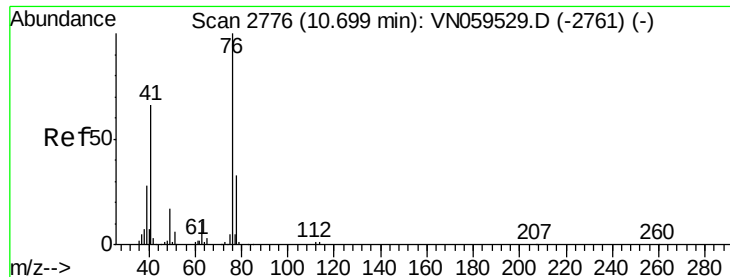


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.167 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

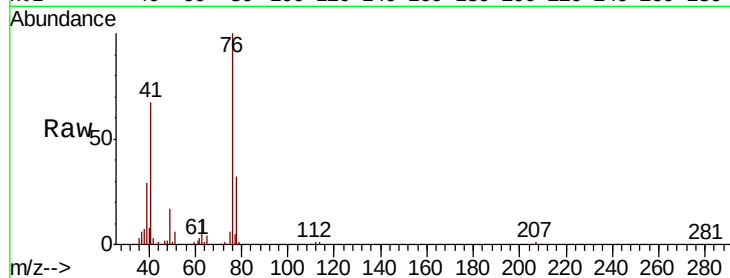
VN1211WBS01

Tot Ion: 76 Resp: 96322

Ion Ratio Lower Upper

76 100

78 32.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

60000

50000

40000

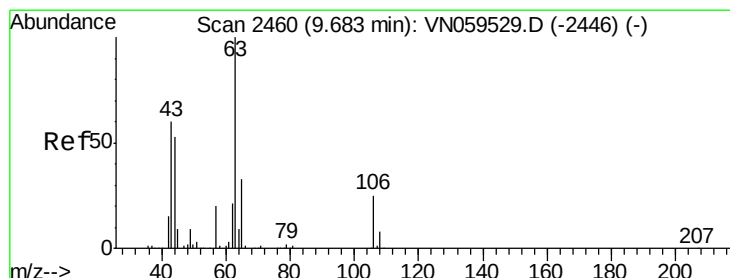
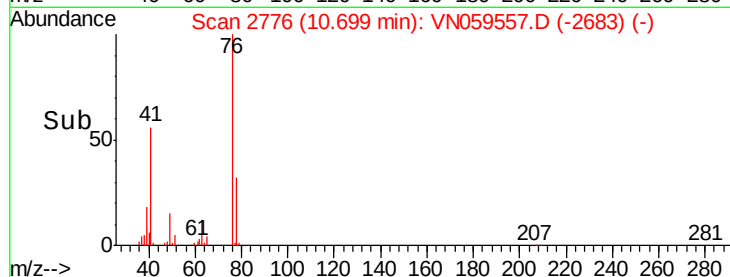
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 76.207 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059557.D

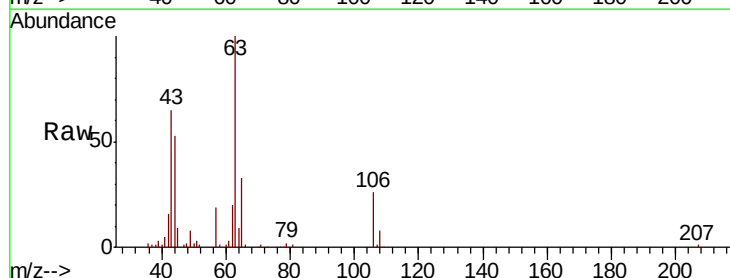
Acq: 11 Dec 2019 13:08

Tgt Ion: 63 Resp: 83182

Ion Ratio Lower Upper

63 100

106 25.4 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

50000

40000

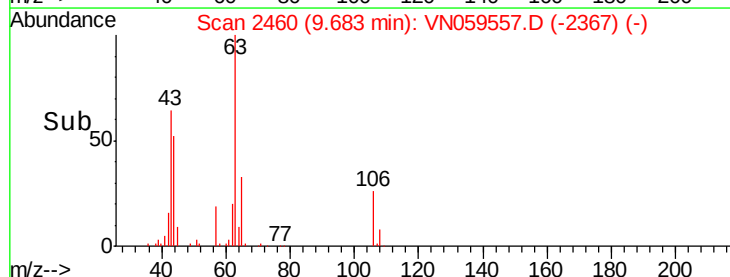
30000

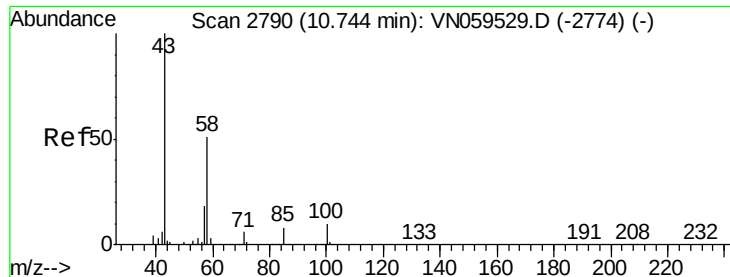
20000

10000

0

Time-->

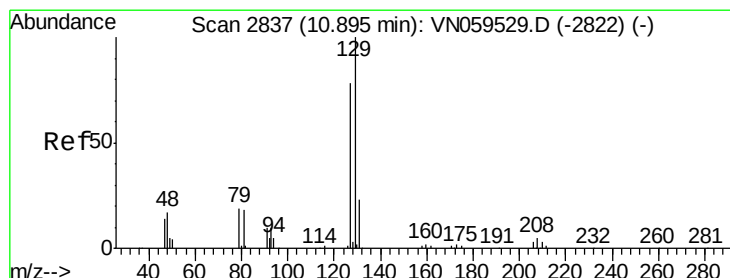
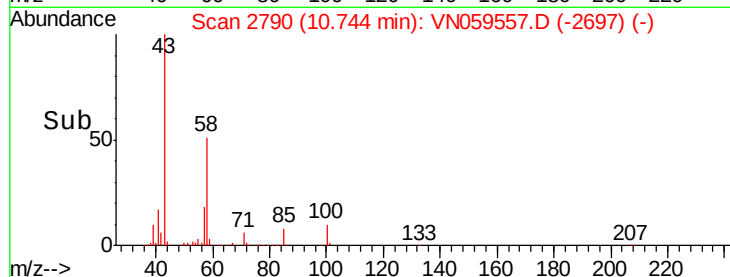
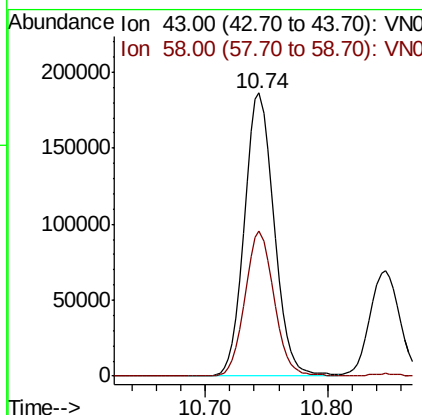
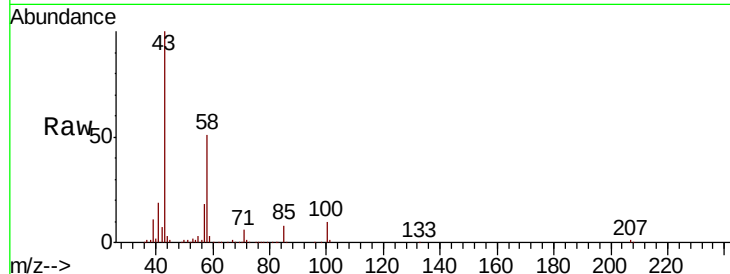




#59
2-Hexanone
Concen: 97.371 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

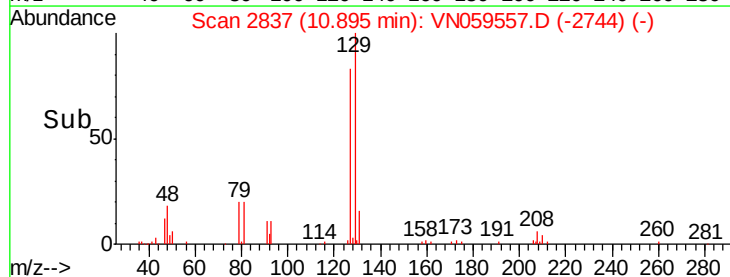
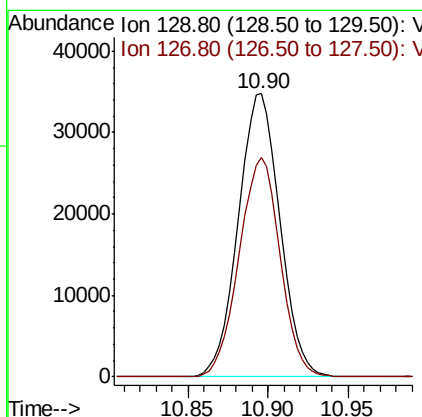
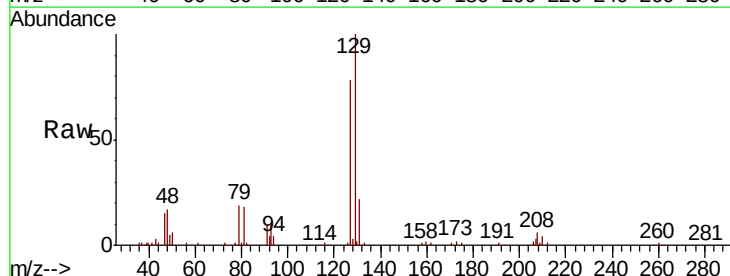
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

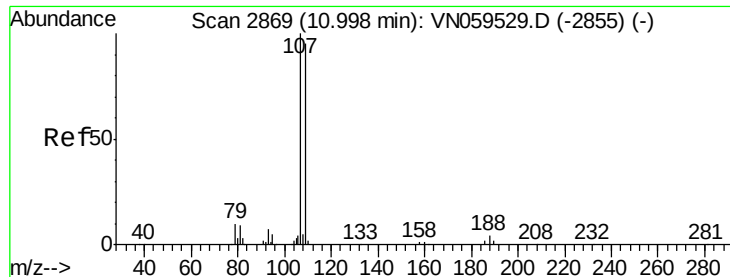
Tot Ion: 43 Resp: 311300
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.6



#60
Dibromochloromethane
Concen: 20.073 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 129 Resp: 61794
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.855 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

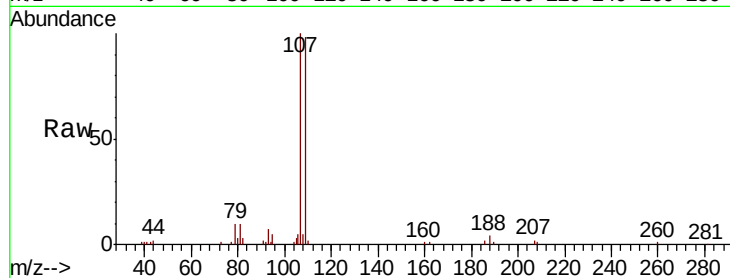
VN1211WBS01

Tot Ion:107 Resp: 57848

Ion Ratio Lower Upper

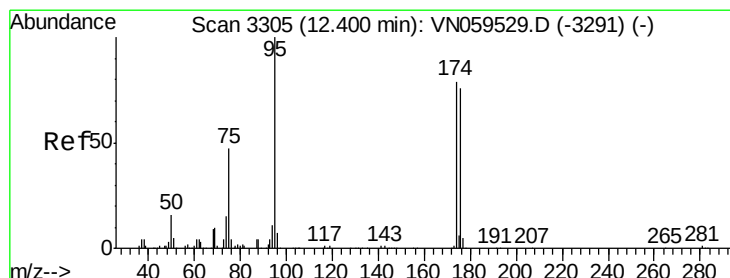
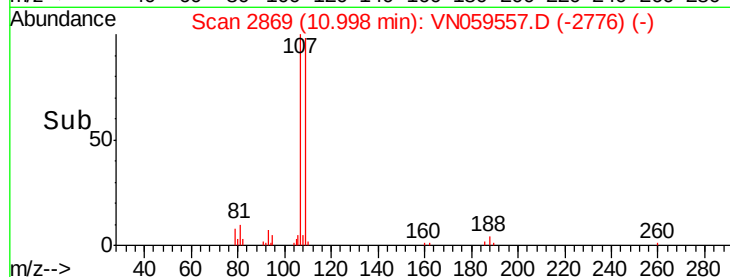
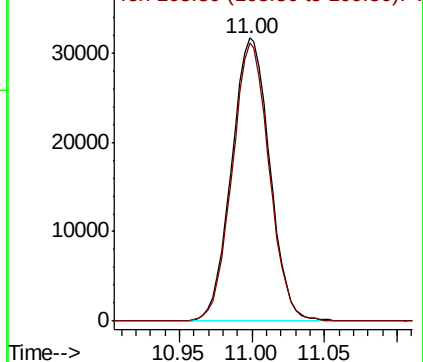
107 100

109 95.2 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 37.475 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

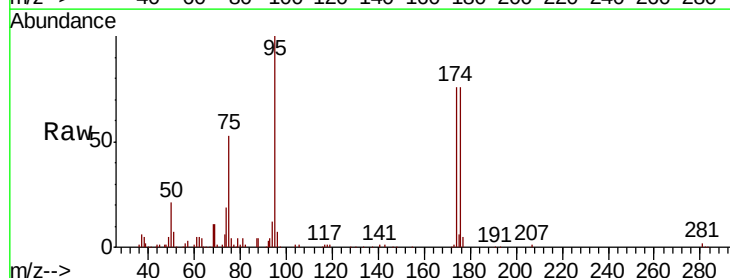
Tgt Ion: 95 Resp: 127494

Ion Ratio Lower Upper

95 100

174 76.3 0.0 158.0

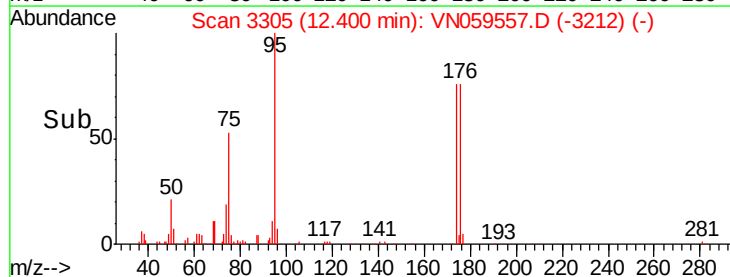
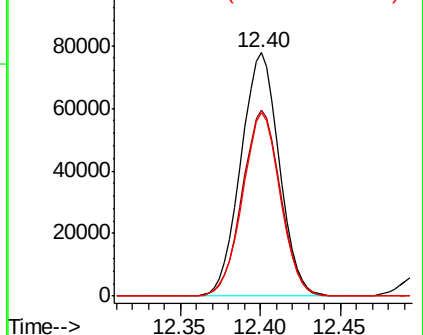
176 74.2 0.0 155.4

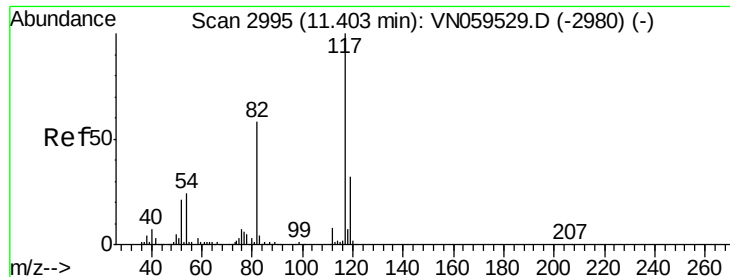


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

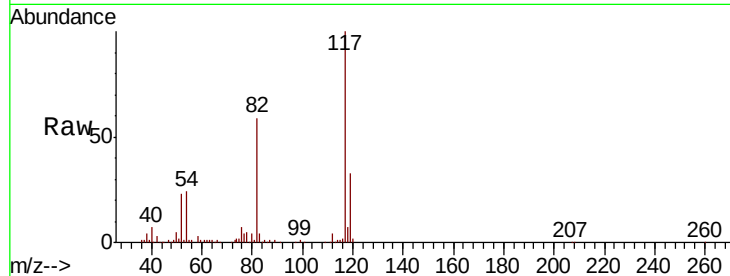




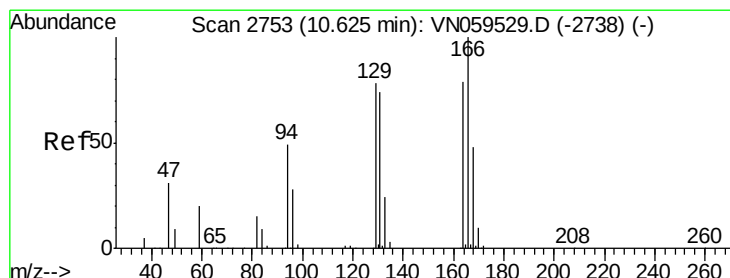
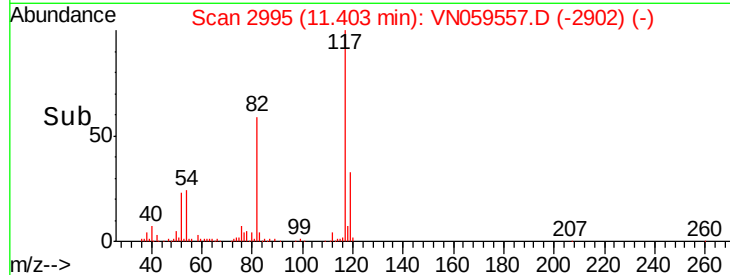
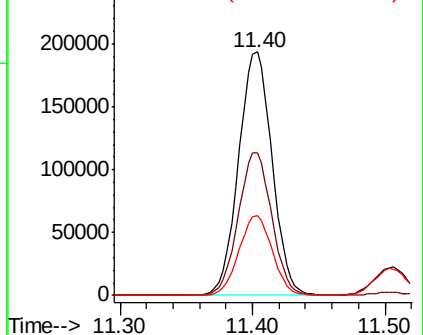
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion:117 Resp: 340865
Ion Ratio Lower Upper
117 100
82 58.6 46.5 69.7
119 32.7 25.2 37.8

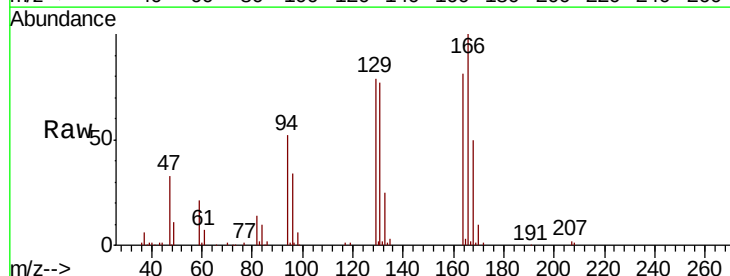


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

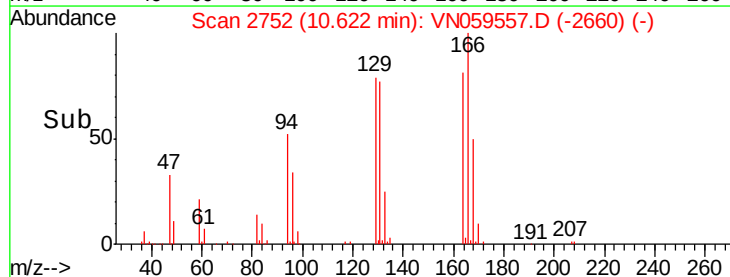
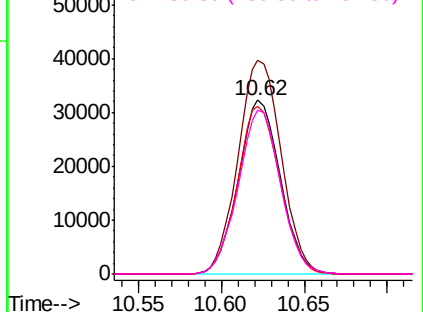


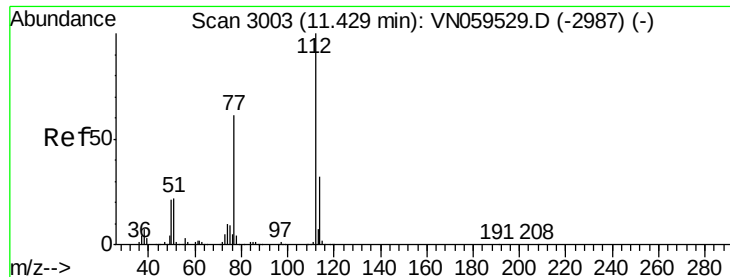
#64
Tetrachloroethene
Concen: 22.860 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion:164 Resp: 56950
Ion Ratio Lower Upper
164 100
166 122.8 101.6 152.4
129 96.7 79.0 118.6
131 94.0 74.7 112.1



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

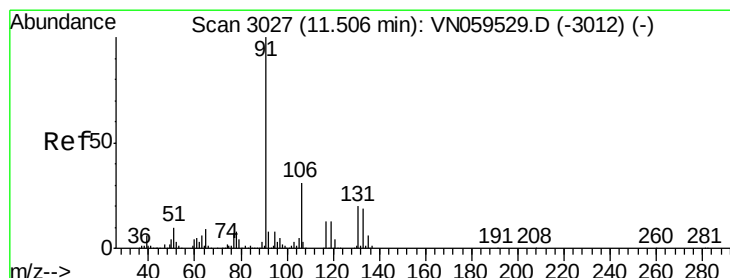
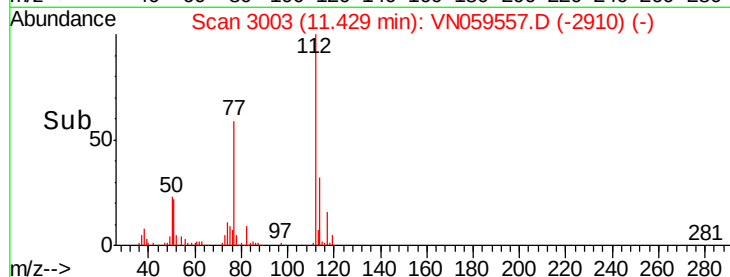
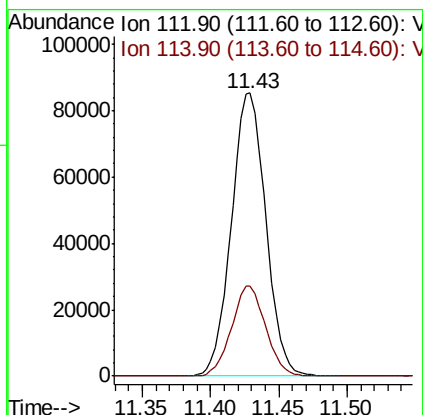
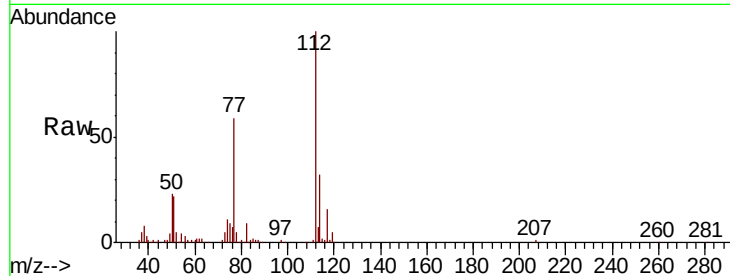




#65
Chlorobenzene
Concen: 20.934 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

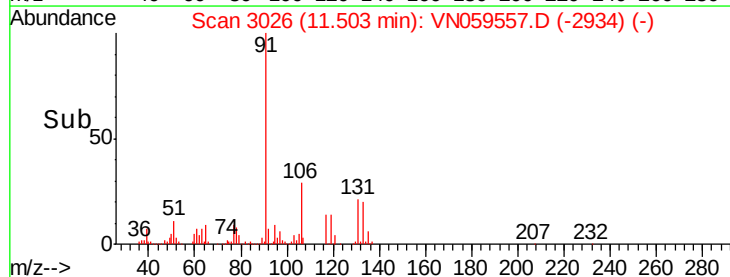
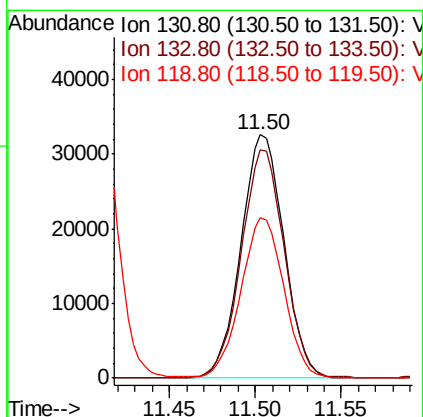
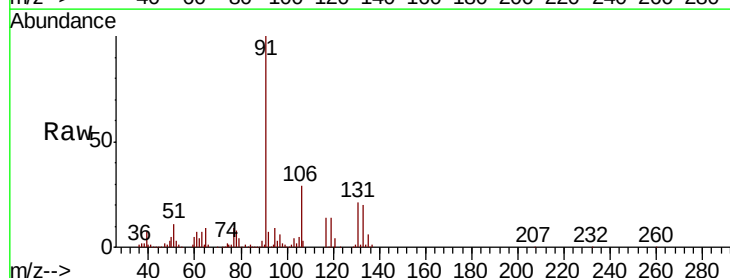
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

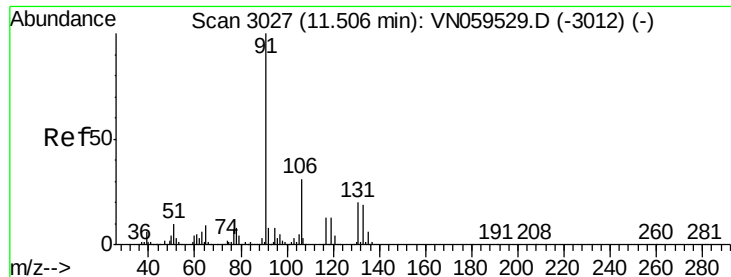
Tot Ion:112 Resp: 149518
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.244 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion:131 Resp: 56589
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 65.8 33.4 100.2

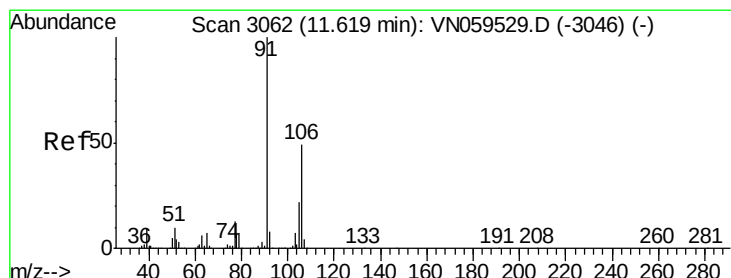
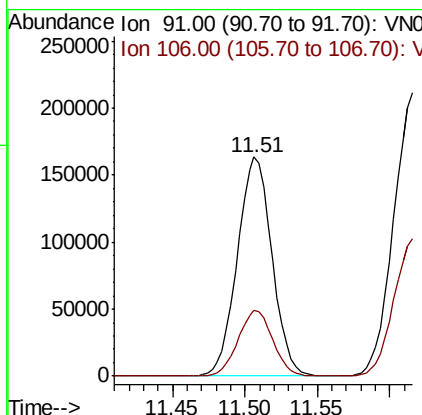
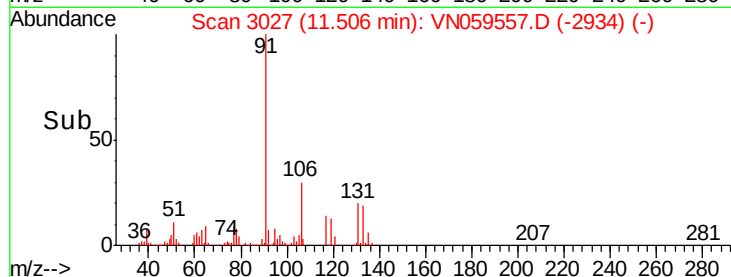
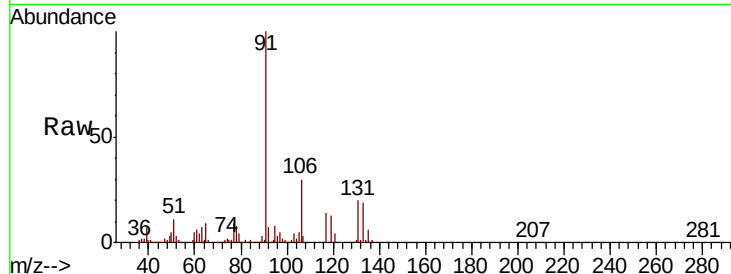




#67
Ethyl Benzene
Concen: 21.148 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

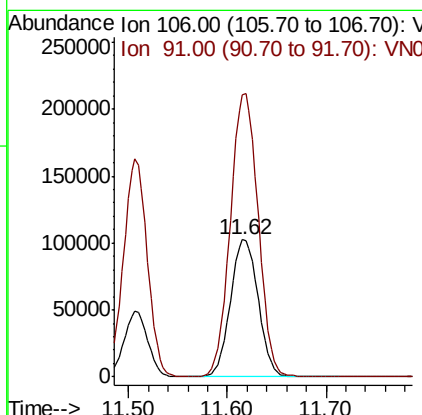
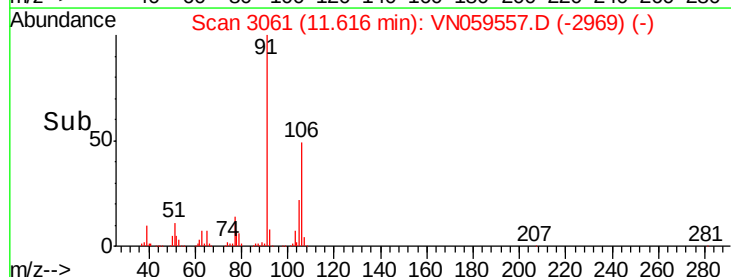
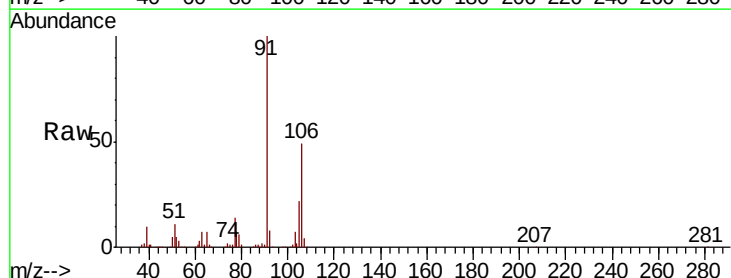
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

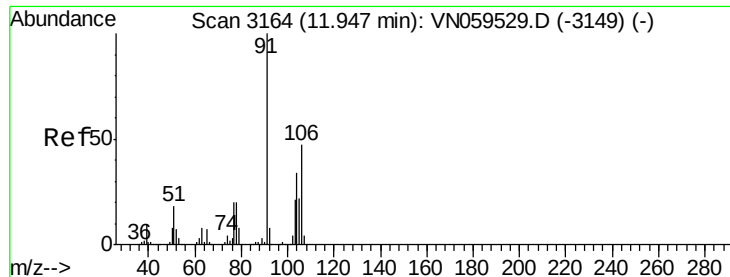
Tot Ion: 91 Resp: 271804
Ion Ratio Lower Upper
91 100
106 30.0 24.5 36.7



#68
m/p-Xylenes
Concen: 41.820 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion: 106 Resp: 201627
Ion Ratio Lower Upper
106 100
91 206.1 162.9 244.3

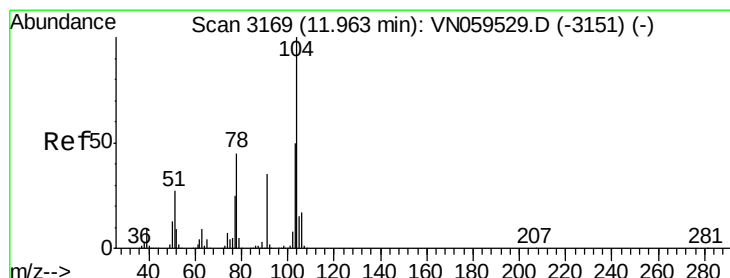
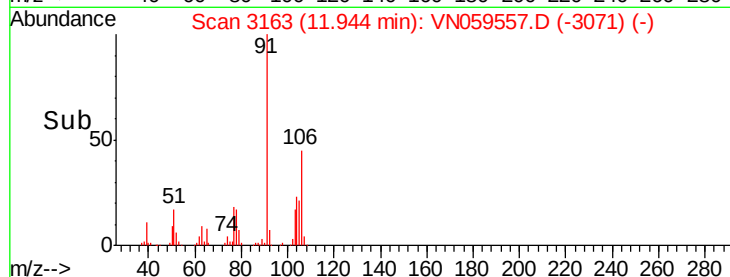
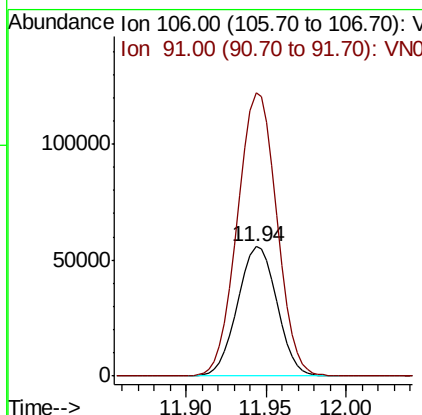
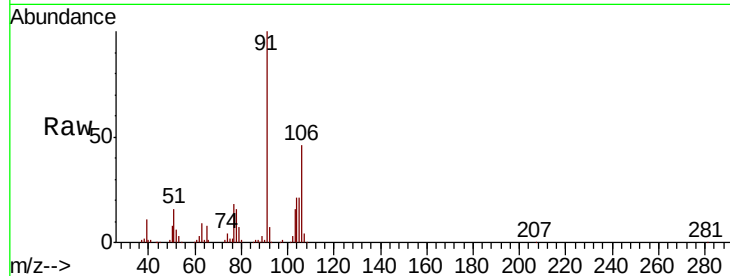




#69
o-Xylene
Concen: 20.864 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

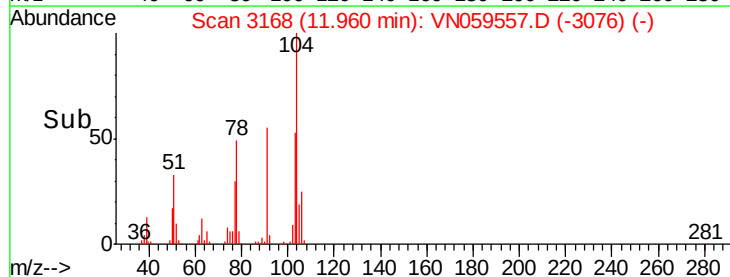
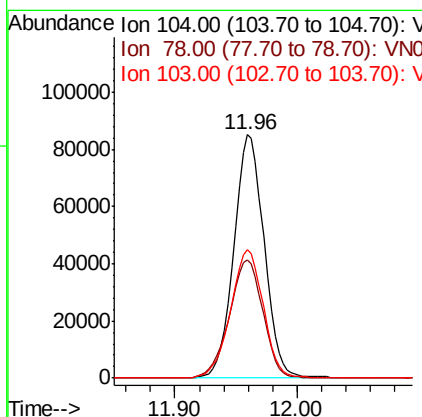
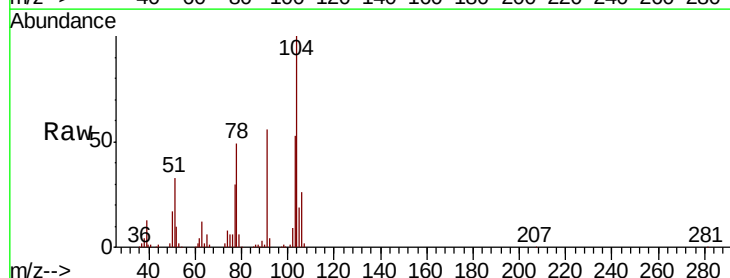
Instrument :
MSVOA_N
ClientSampled :
VN1211WBS01

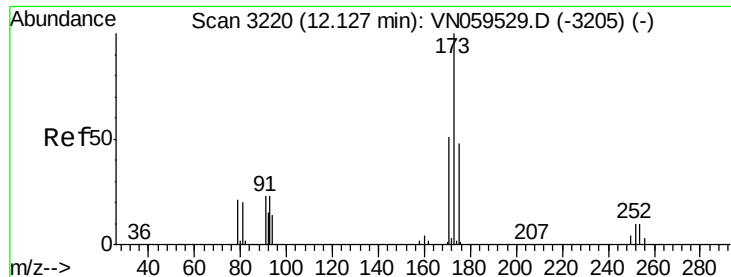
Tot Ion:106 Resp: 93626
Ion Ratio Lower Upper
106 100
91 218.8 106.7 319.9



#70
Styrene
Concen: 19.693 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion:104 Resp: 146404
Ion Ratio Lower Upper
104 100
78 54.0 40.6 60.8
103 57.2 43.9 65.9





#71

Bromoform

Concen: 20.190 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

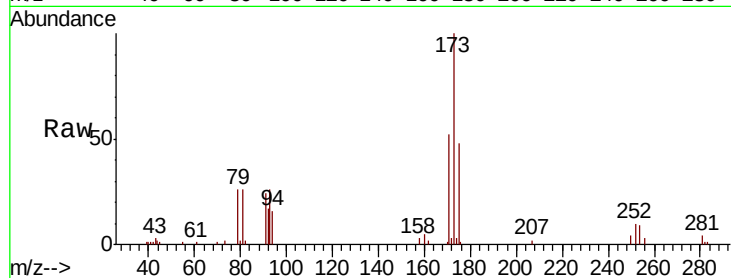
Tot Ion:173 Resp: 42317

Ion Ratio Lower Upper

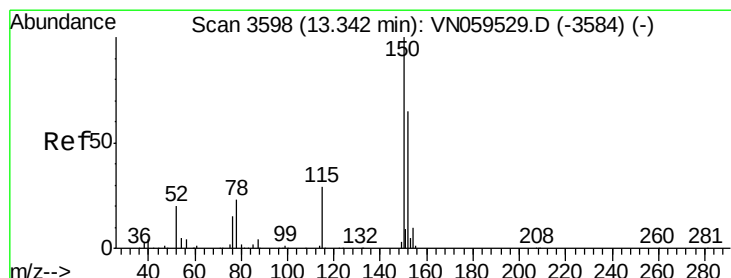
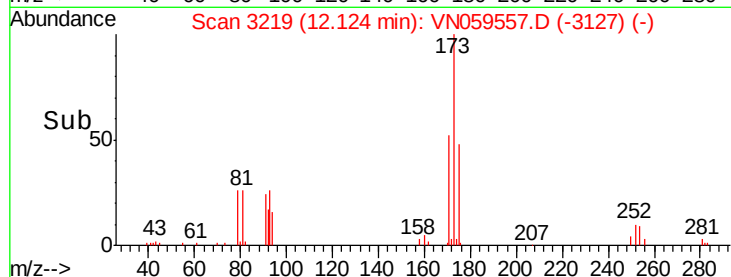
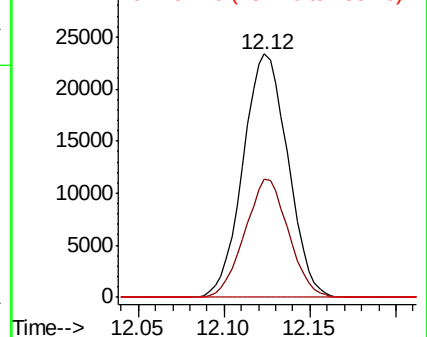
173 100

175 47.3 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: VN059557.D

Acq: 11 Dec 2019 13:08

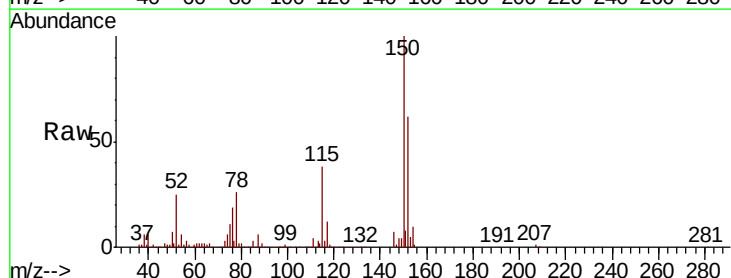
Tgt Ion:152 Resp: 162950

Ion Ratio Lower Upper

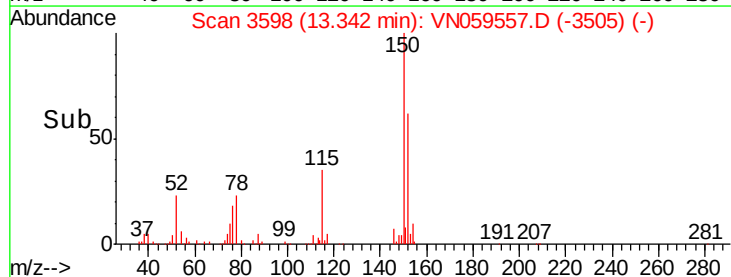
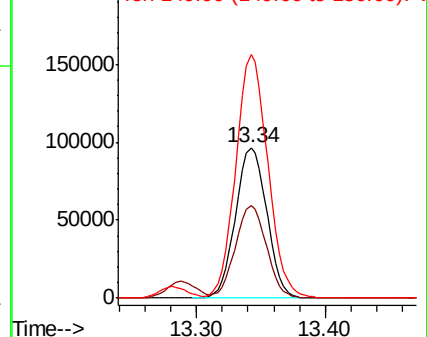
152 100

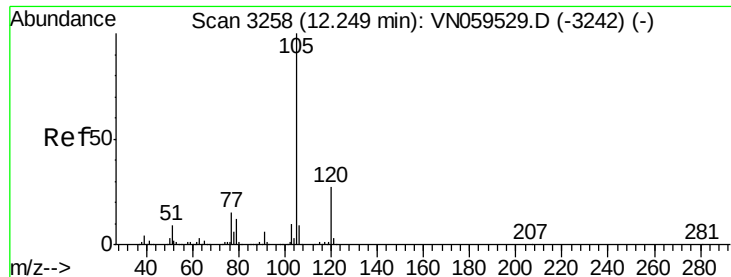
115 60.9 29.4 88.2

150 165.1 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: 20.880 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

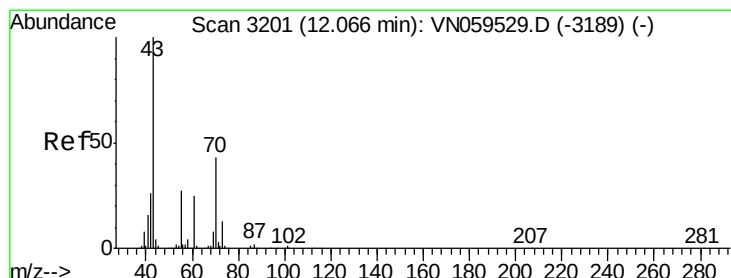
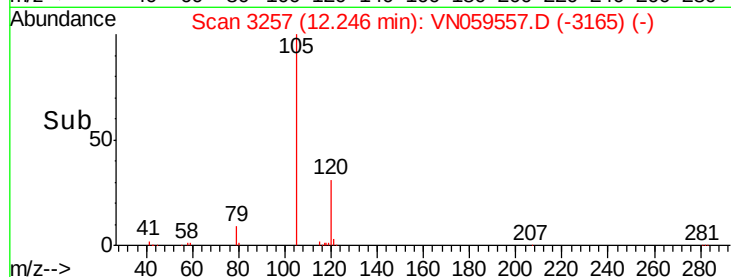
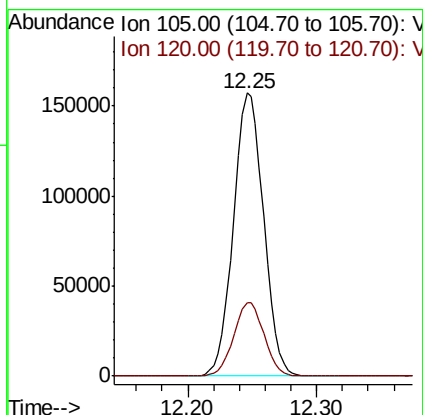
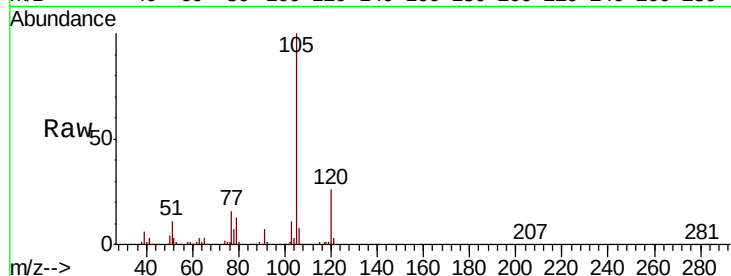
VN1211WBS01

Tot Ion: 105 Resp: 255216

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 19.627 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Tgt Ion: 43 Resp: 104498

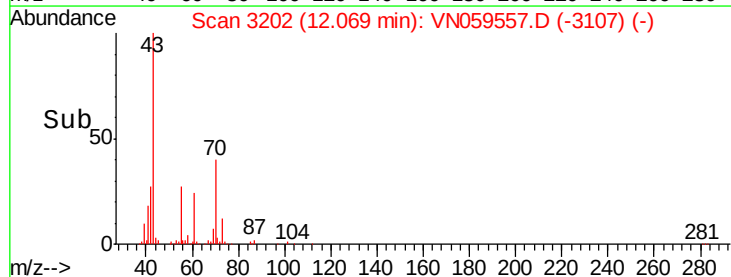
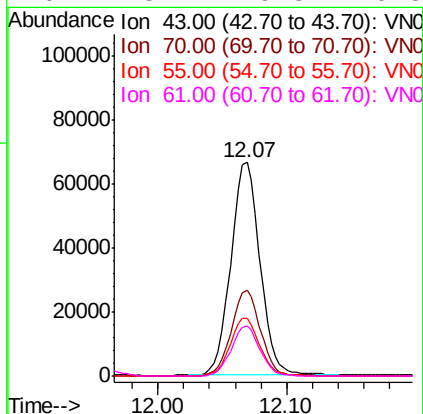
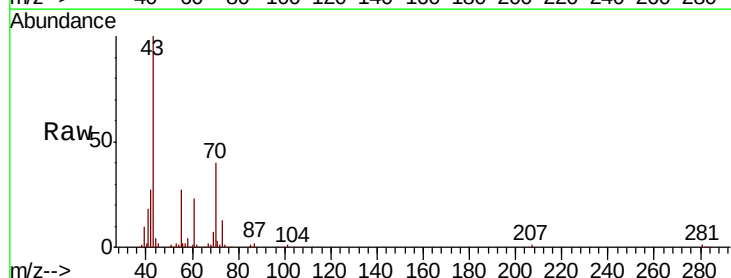
Ion Ratio Lower Upper

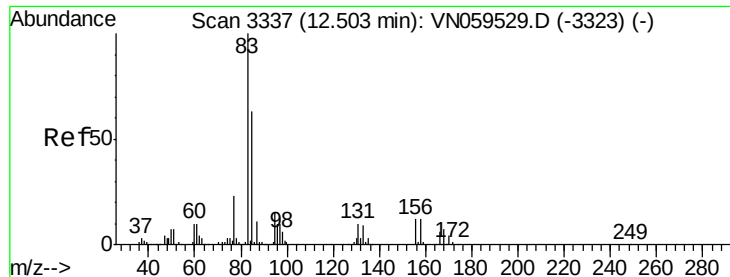
43 100

70 40.2 34.2 51.4

55 27.6 21.3 31.9

61 23.2 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.078 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

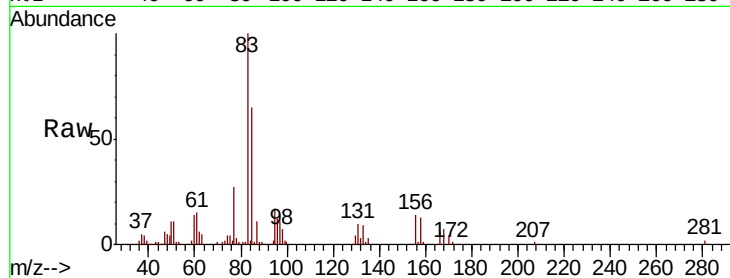
Tot Ion: 83 Resp: 79016

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

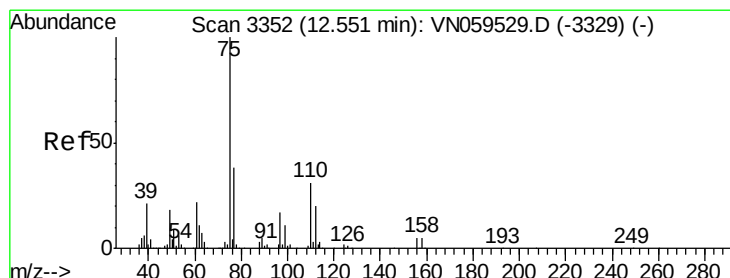
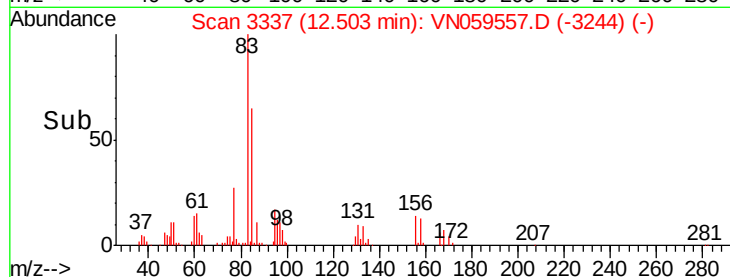
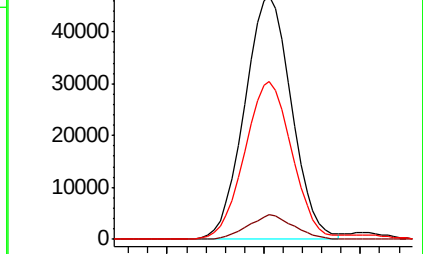
85 65.2 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN059557.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059557.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059557.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 27.171 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059557.D

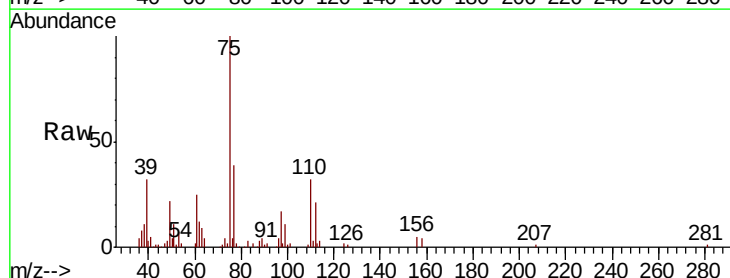
Acq: 11 Dec 2019 13:08

Tgt Ion: 75 Resp: 113221

Ion Ratio Lower Upper

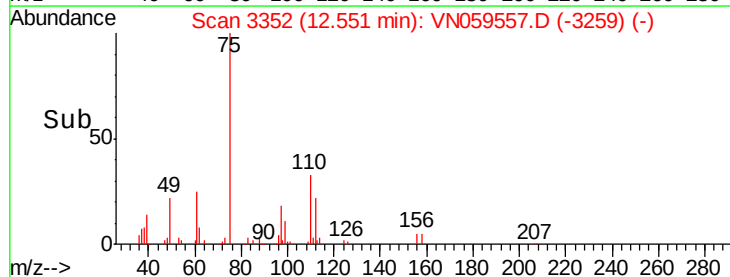
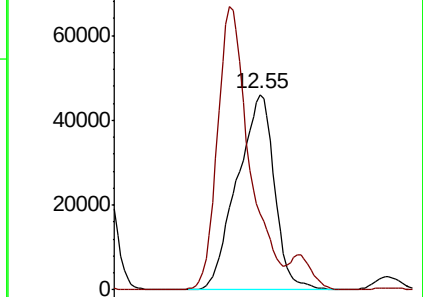
75 100

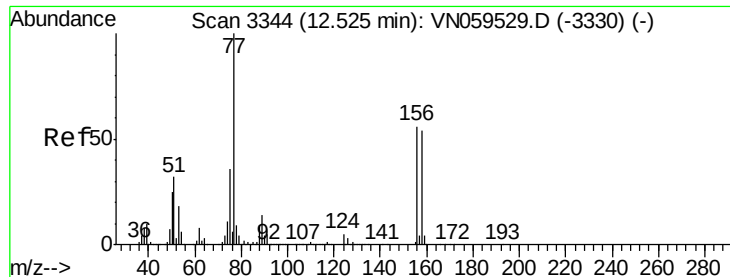
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059557.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059557.D (-3259) (-)





#77

Bromobenzene

Concen: 19.567 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

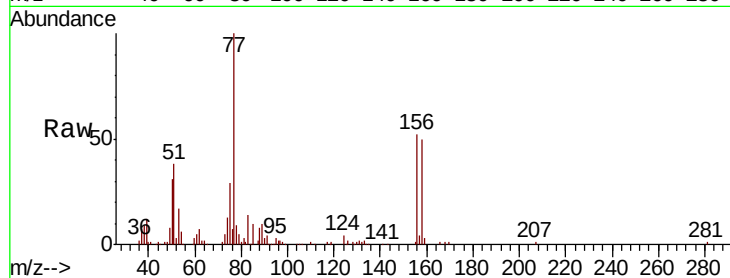
Tot Ion:156 Resp: 59543

Ion Ratio Lower Upper

156 100

77 235.4 109.3 327.8

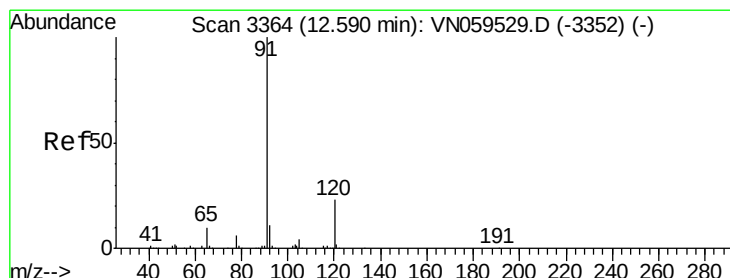
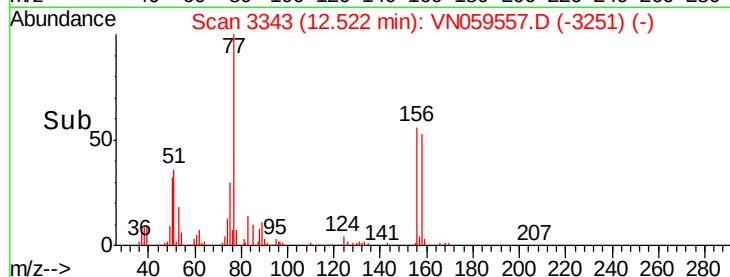
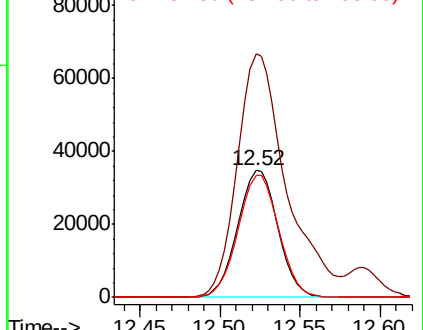
158 96.9 48.6 145.8



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: 20.147 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059557.D

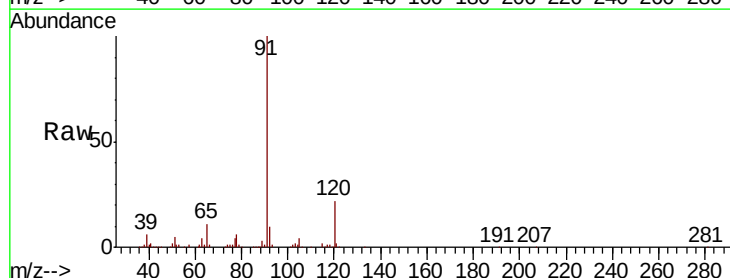
Acq: 11 Dec 2019 13:08

Tgt Ion: 91 Resp: 302601

Ion Ratio Lower Upper

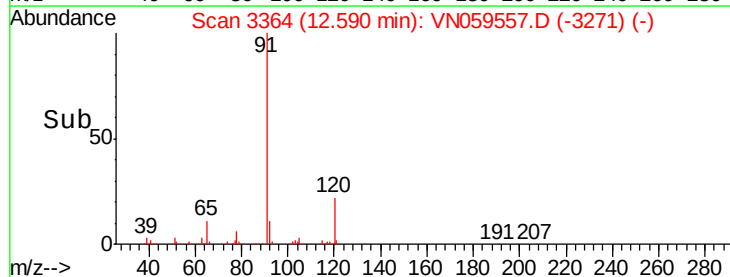
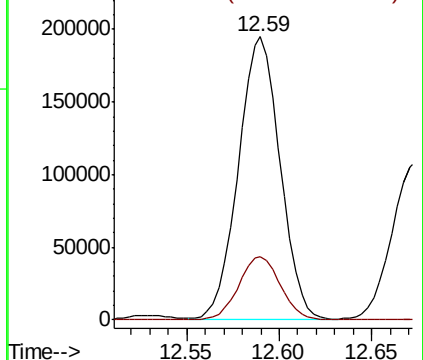
91 100

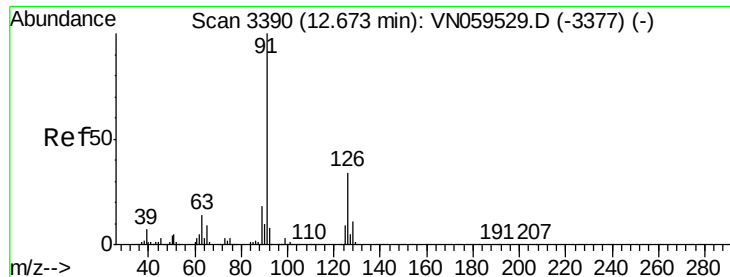
120 22.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.853 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

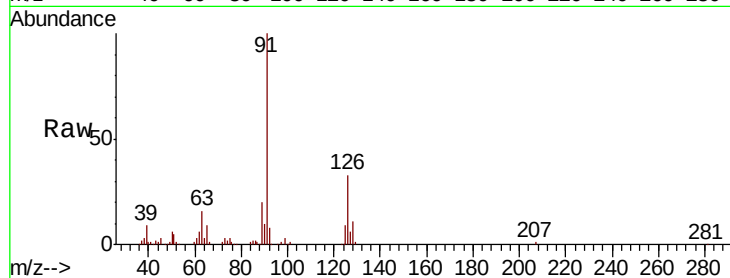
VN1211WBS01

Tot Ion: 91 Resp: 177814

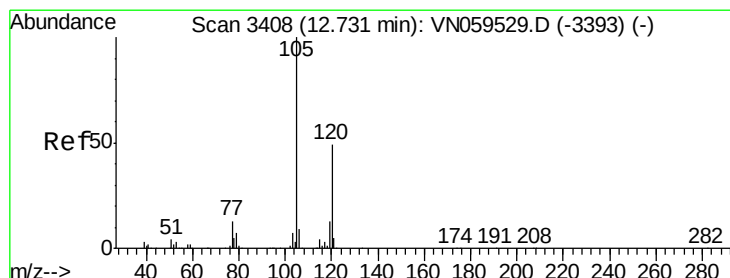
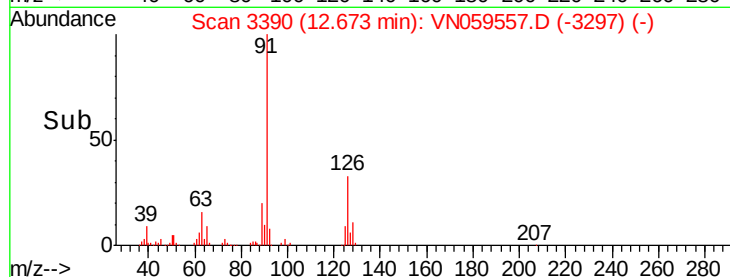
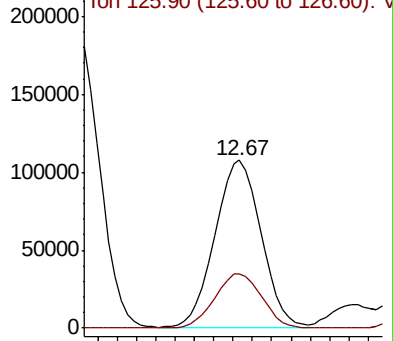
Ion Ratio Lower Upper

91 100

126 33.5 16.9 50.7



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



#80

1,3,5-Trimethylbenzene

Concen: 20.592 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059557.D

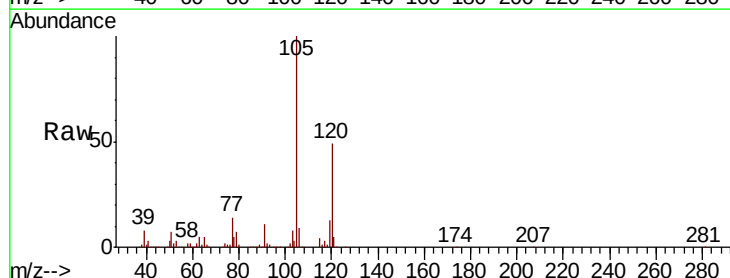
Acq: 11 Dec 2019 13:08

Tgt Ion: 105 Resp: 215836

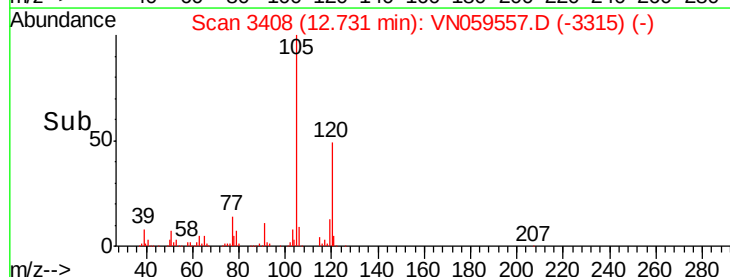
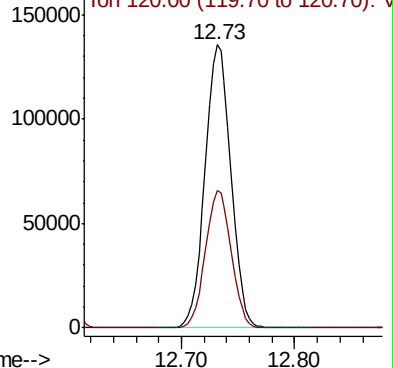
Ion Ratio Lower Upper

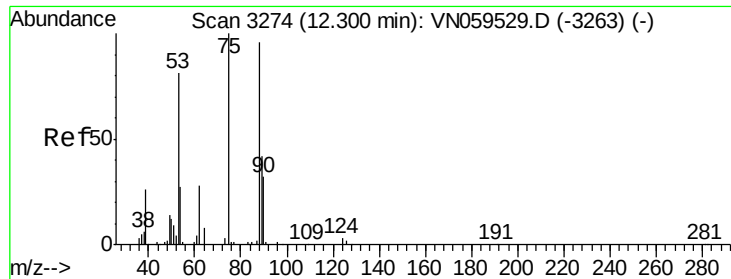
105 100

120 48.4 24.5 73.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.930 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

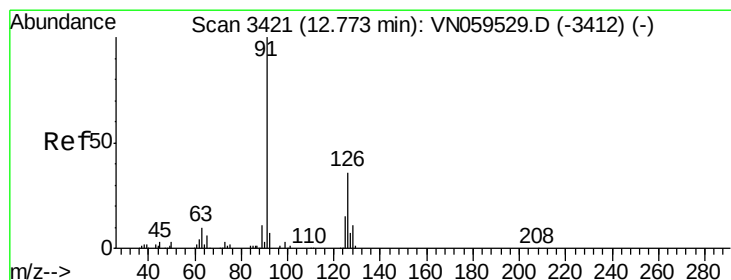
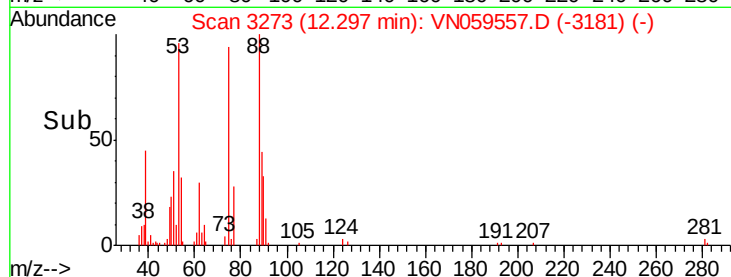
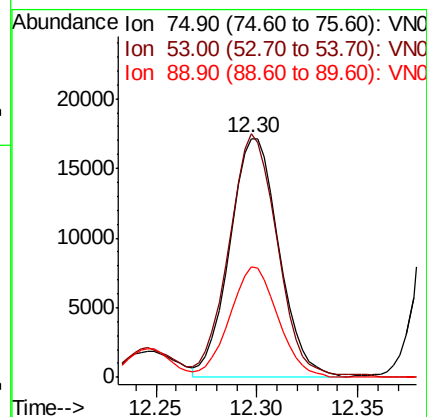
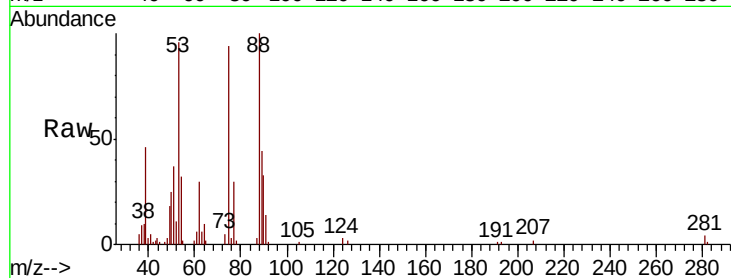
Tot Ion: 75 Resp: 29319

Ion Ratio Lower Upper

75 100

53 100.4 67.0 100.6

89 45.2 35.5 53.3



#82

4-Chlorotoluene

Concen: 20.278 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059557.D

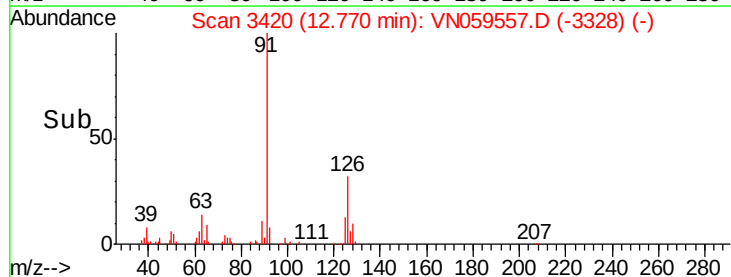
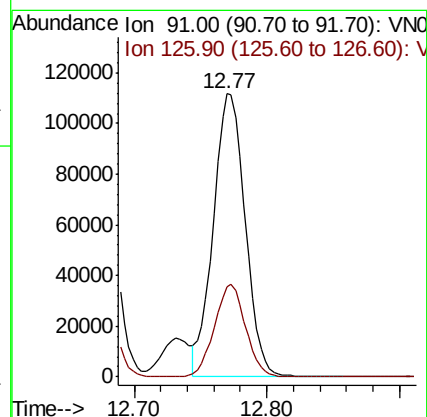
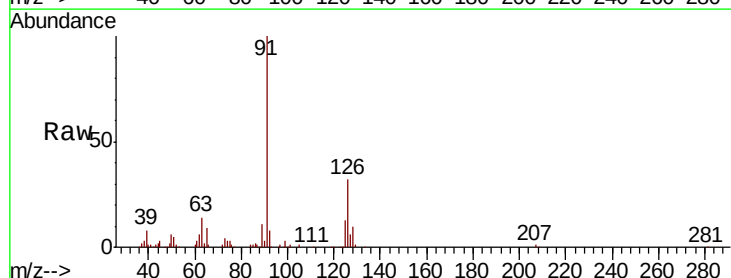
Acq: 11 Dec 2019 13:08

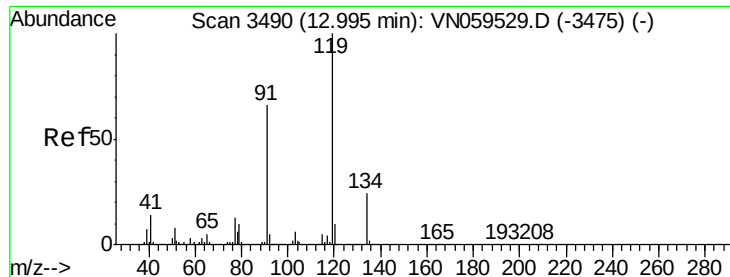
Tgt Ion: 91 Resp: 185704

Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.4





#83

tert-Butylbenzene

Concen: 20.348 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampled :

VN1211WBS01

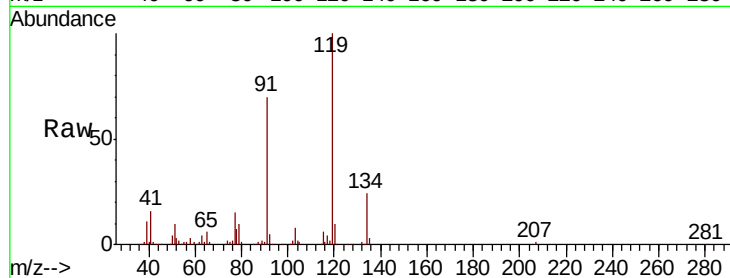
Tot Ion:119 Resp: 177855

Ion Ratio Lower Upper

119 100

91 69.1 32.8 98.4

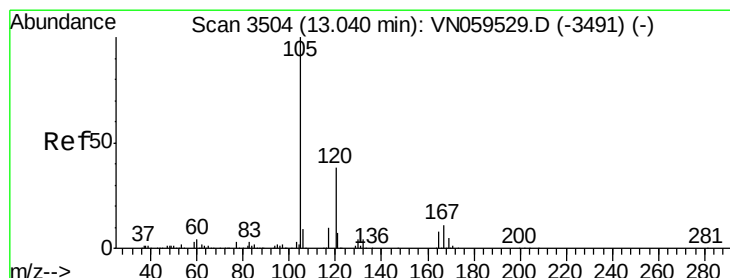
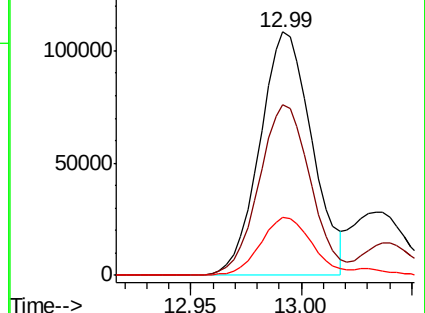
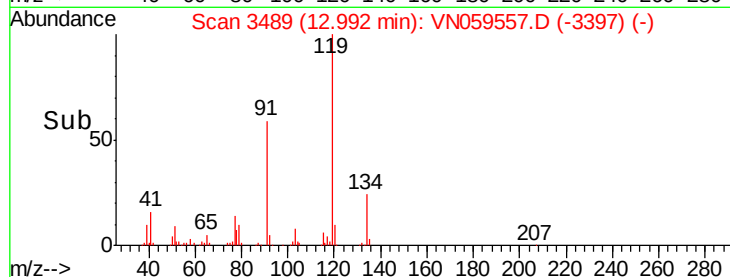
134 23.6 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.794 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059557.D

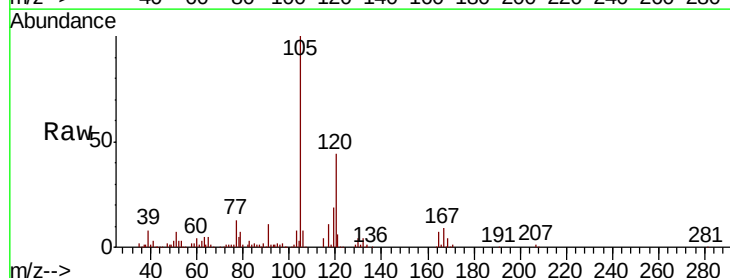
Acq: 11 Dec 2019 13:08

Tgt Ion:105 Resp: 215206

Ion Ratio Lower Upper

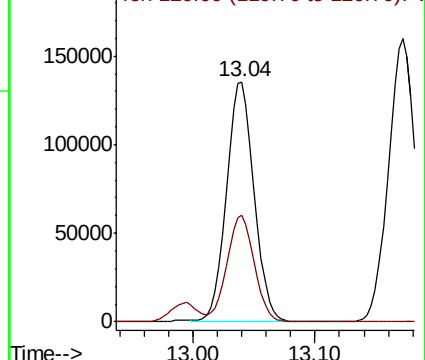
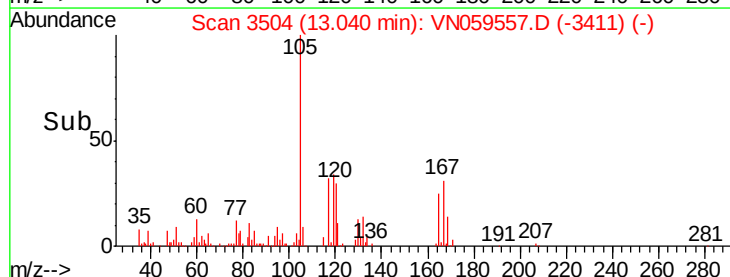
105 100

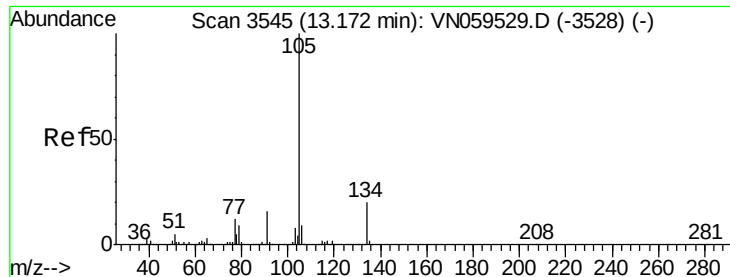
120 44.0 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.964 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampled :

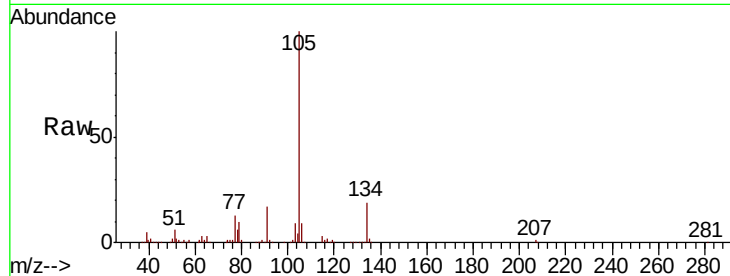
VN1211WBS01

Tot Ion:105 Resp: 251687

Ion Ratio Lower Upper

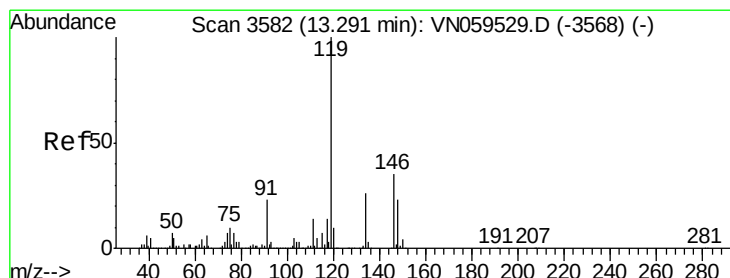
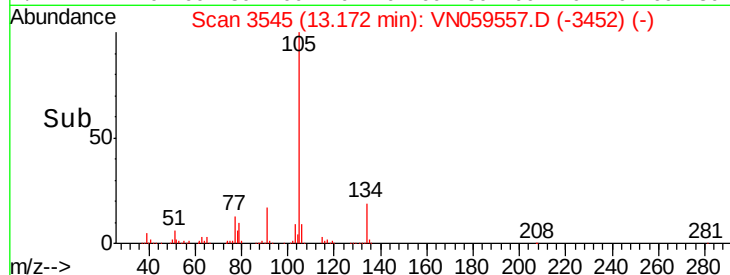
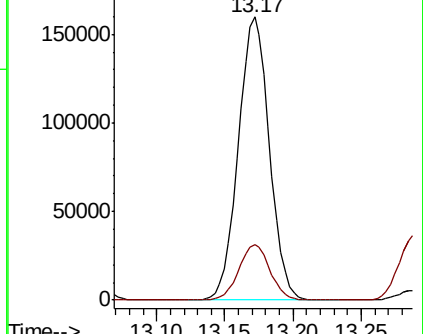
105 100

134 19.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.794 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

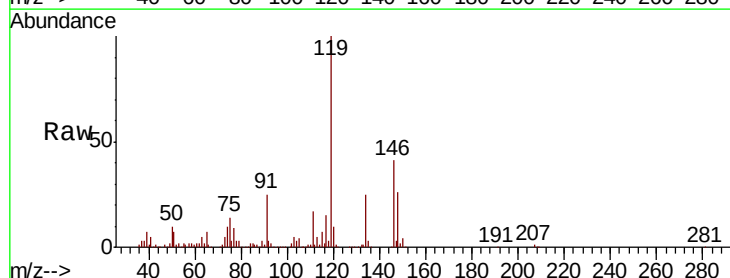
Tgt Ion:119 Resp: 223126

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

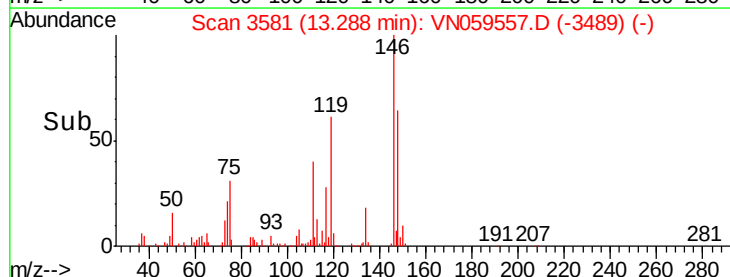
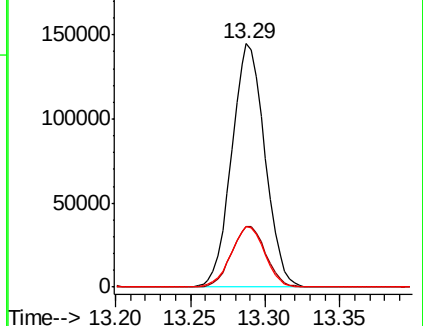
91 25.2 11.7 35.1

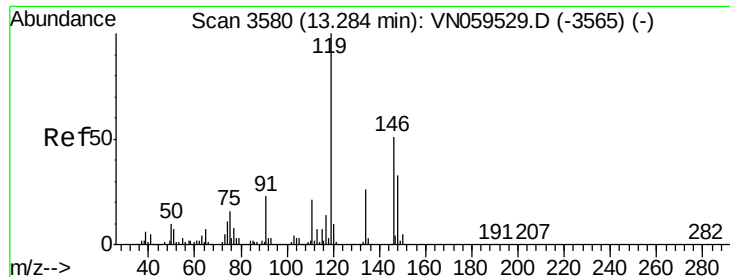


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

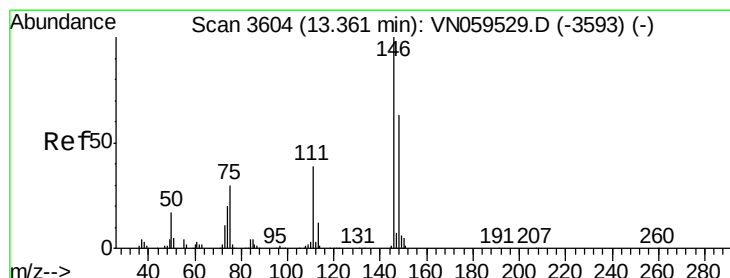
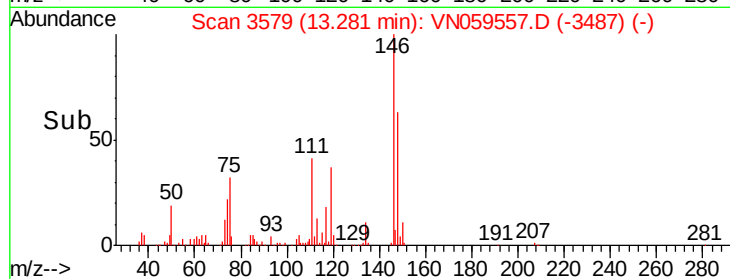
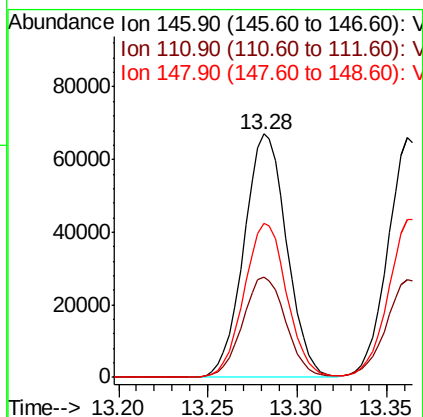
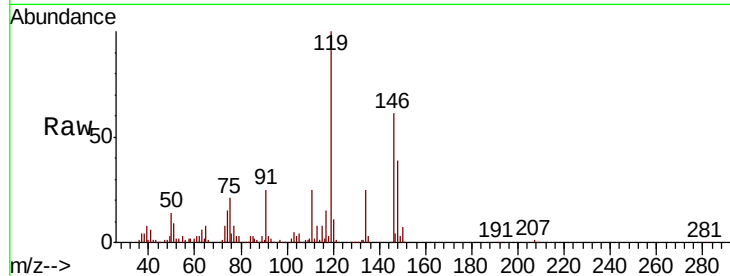




#87
 1,3-Dichlorobenzene
 Concen: 20.069 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

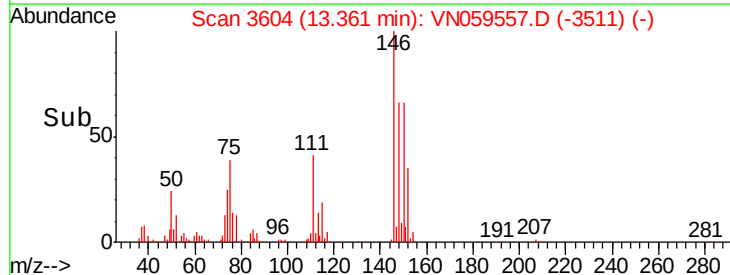
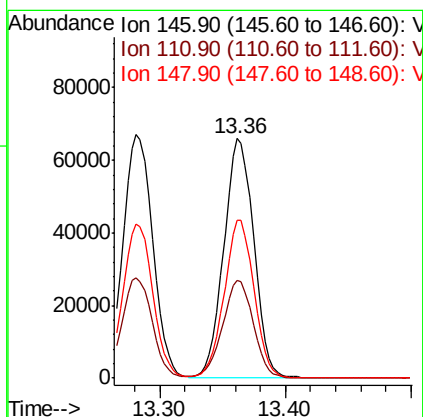
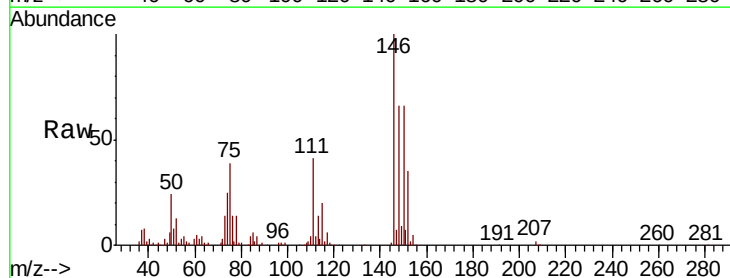
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

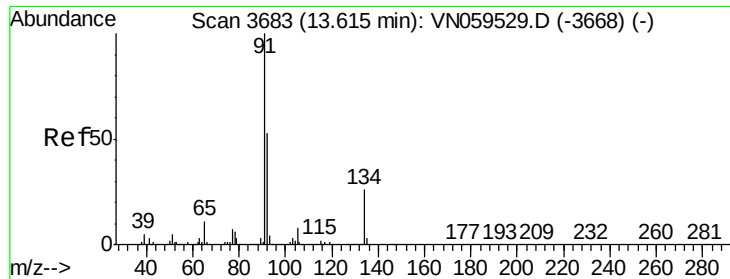
Tot Ion:146 Resp: 112482
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.6 61.8
 148 63.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.017 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

Tgt Ion:146 Resp: 109856
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.0 59.9
 148 65.5 31.9 95.7





#89

n-Butylbenzene

Concen: 20.694 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

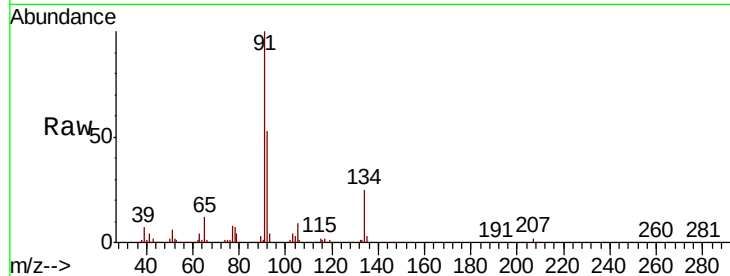
Tot Ion: 91 Resp: 208505

Ion Ratio Lower Upper

91 100

92 51.4 26.3 78.9

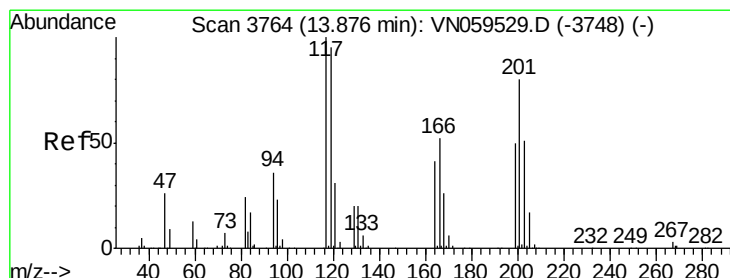
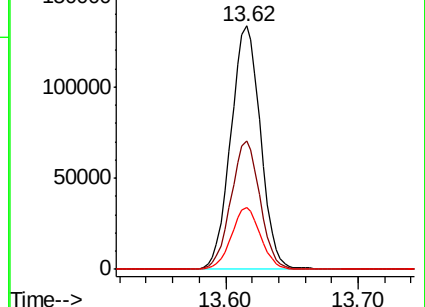
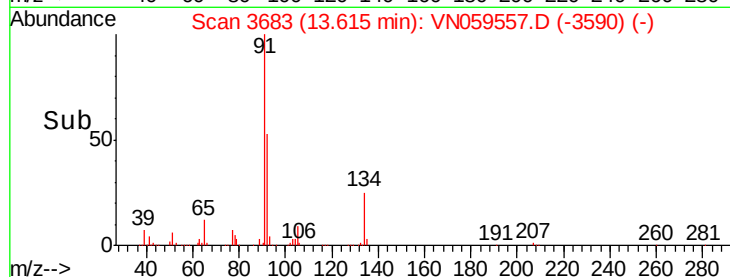
134 24.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN059557.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059557.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059557.D (-3668) (-)



#90

Hexachloroethane

Concen: 21.881 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059557.D

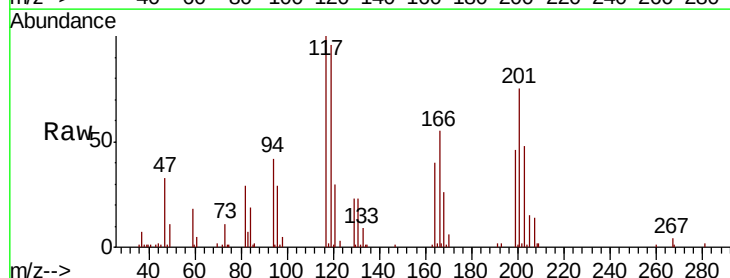
Acq: 11 Dec 2019 13:08

Tgt Ion: 117 Resp: 43119

Ion Ratio Lower Upper

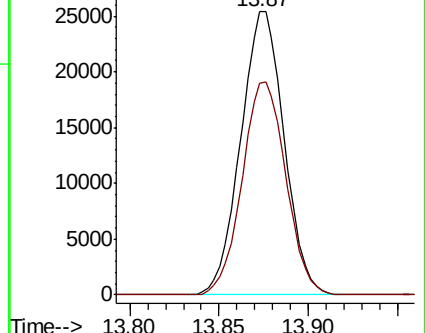
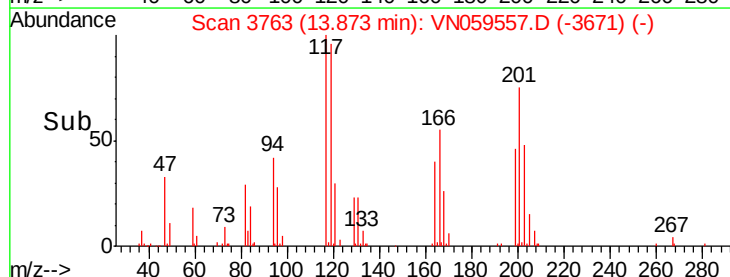
117 100

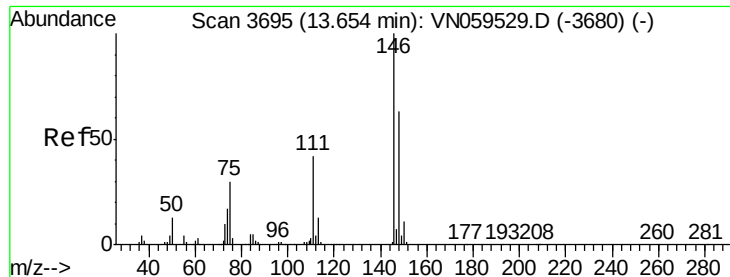
201 75.5 40.5 121.5



Abundance Ion 116.80 (116.50 to 117.50): VN059557.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN059557.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.332 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBS01

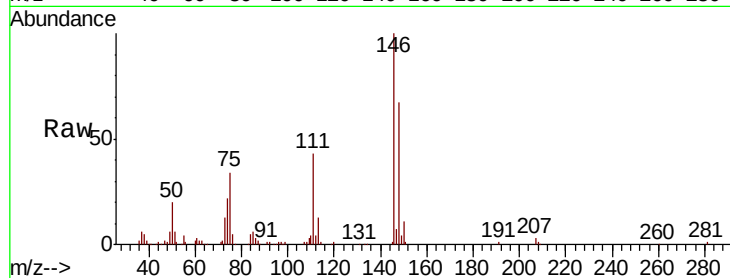
Tot Ion:146 Resp: 106941

Ion Ratio Lower Upper

146 100

111 42.2 20.9 62.7

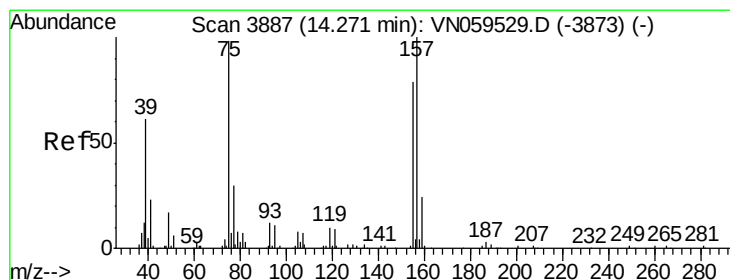
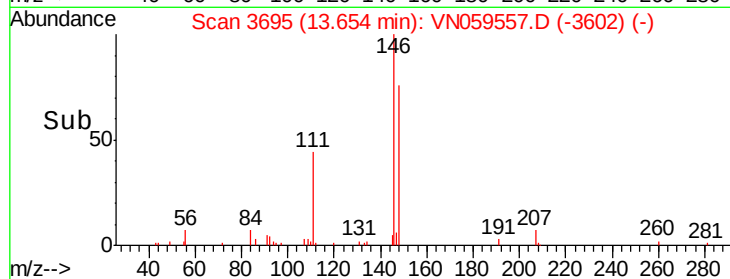
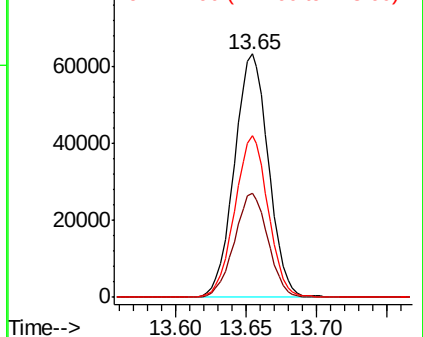
148 65.2 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.639 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059557.D

Acq: 11 Dec 2019 13:08

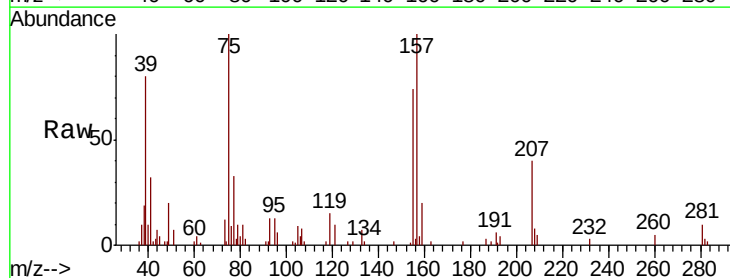
Tgt Ion: 75 Resp: 18391

Ion Ratio Lower Upper

75 100

155 73.2 40.4 121.1

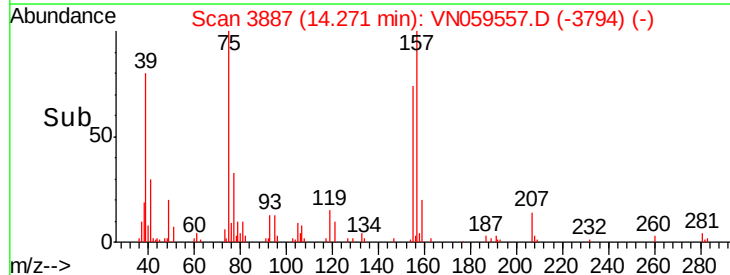
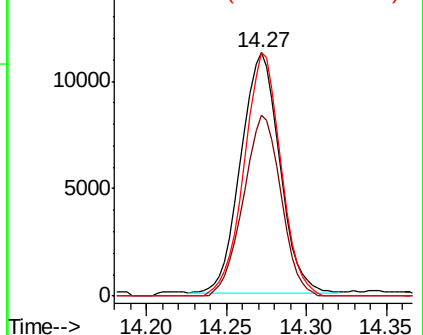
157 96.6 51.1 153.3

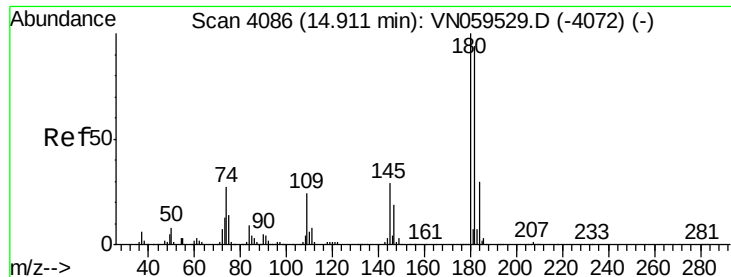


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

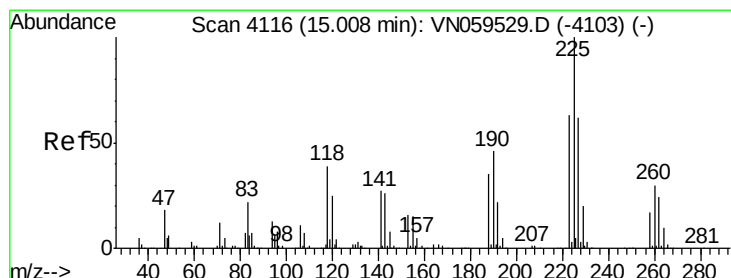
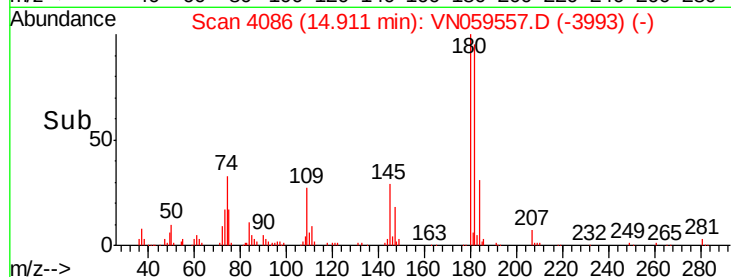
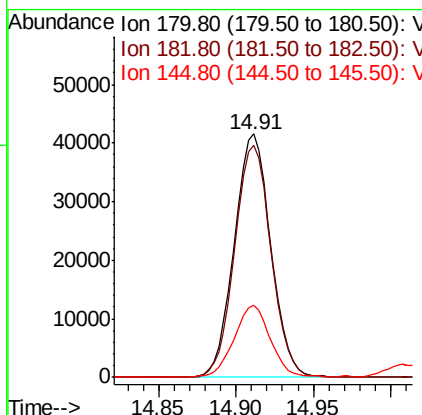
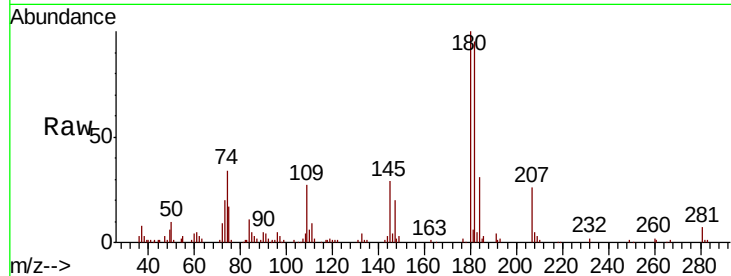




#93
 1,2,4-Trichlorobenzene
 Concen: 18.714 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

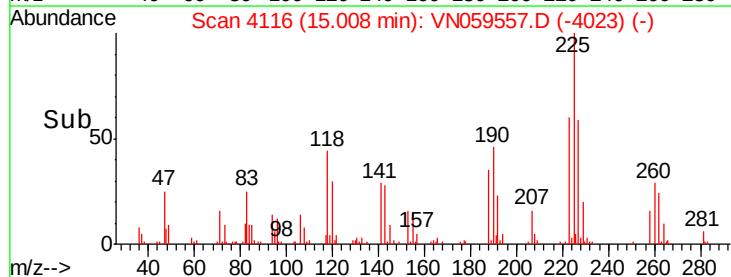
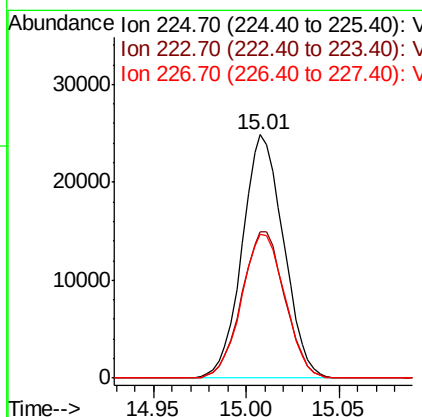
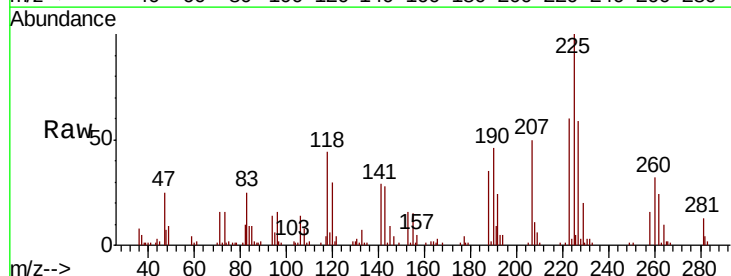
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBS01

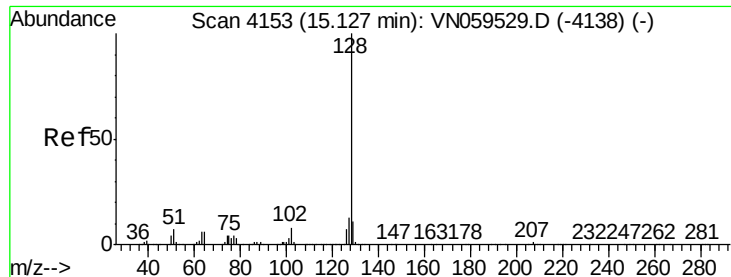
Tot Ion:180 Resp: 68082
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 142.0
 145 29.4 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 20.727 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059557.D
 Acq: 11 Dec 2019 13:08

Tgt Ion:225 Resp: 38522
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.3 93.9
 227 61.7 31.6 95.0

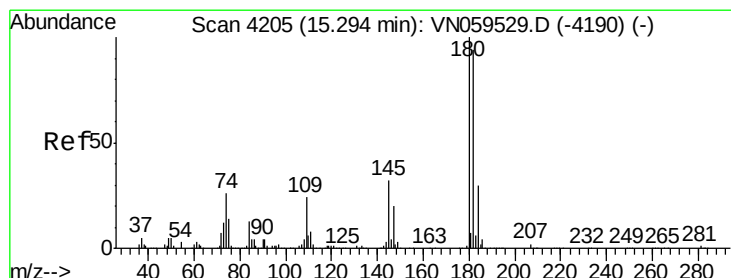
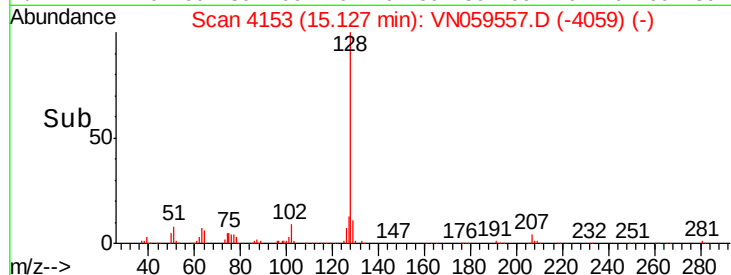
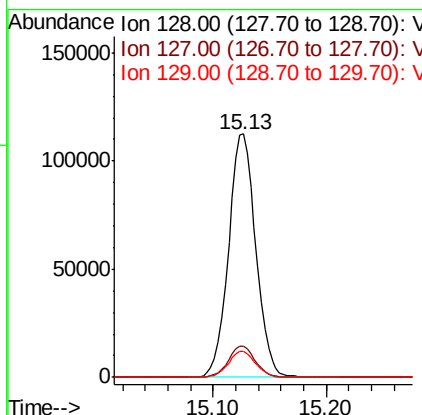
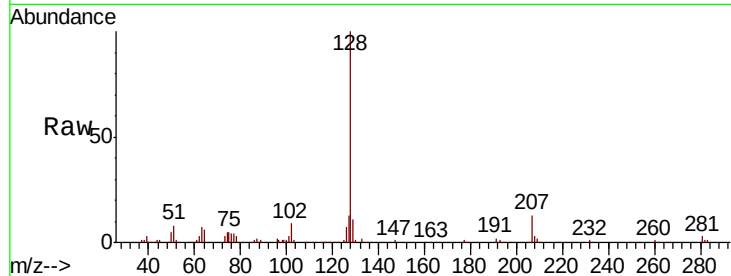




#95
Naphthalene
Concen: 17.693 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.075 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059557.D
Acq: 11 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.1	141.4
145	32.4	15.8	47.4

