

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
 Data File : VN059671.D
 Acq On : 19 Dec 2019 15:03
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Quant Time: Dec 20 01:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	253778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	401754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	371236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170367	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	162130	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
35) Dibromofluoromethane	7.57	113	112427	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	10.08	98	444141	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
62) 4-Bromofluorobenzene	12.40	95	156127	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	79954	24.381	ug/l	98
3) Chloromethane	2.04	50	86321	16.587	ug/l	100
4) Vinyl Chloride	2.17	62	83758	16.972	ug/l	96
5) Bromomethane	2.54	94	60807	21.195	ug/l	98
6) Chloroethane	2.68	64	59118	21.315	ug/l	97
7) Trichlorofluoromethane	3.00	101	93895	17.341	ug/l	97
8) Diethyl Ether	3.39	74	43646	25.799	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	66021	24.196	ug/l	99
10) Methyl Iodide	3.92	142	98906	27.380	ug/l	97
11) Tert butyl alcohol	4.76	59	90166	133.181	ug/l	98
12) 1,1-Dichloroethene	3.71	96	62035	23.306	ug/l	92
13) Acrolein	3.58	56	45302	93.936	ug/l	100
14) Allyl chloride	4.29	41	148449	27.167	ug/l	94
15) Acrylonitrile	4.96	53	243570	148.734	ug/l	99
16) Acetone	3.79	43	188923	86.169	ug/l	99
17) Carbon Disulfide	4.02	76	244548	26.850	ug/l	100
18) Methyl Acetate	4.29	43	128633	27.999	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	257520	27.401	ug/l	100
20) Methylene Chloride	4.52	84	81991	25.894	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	77939	26.265	ug/l	98
22) Diisopropyl ether	5.92	45	236801	23.506	ug/l	96
23) Vinyl Acetate	5.86	43	997121	126.127	ug/l	99
24) 1,1-Dichloroethane	5.82	63	129617	22.714	ug/l	100
25) 2-Butanone	6.81	43	259613	99.022	ug/l	99
26) 2,2-Dichloropropane	6.80	77	117214	22.600	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	73701	22.414	ug/l	98
28) Bromochloromethane	7.17	49	56492	23.807	ug/l	97
29) Tetrahydrofuran	7.19	42	177488	111.110	ug/l	98
30) Chloroform	7.35	83	125905	22.415	ug/l	98
31) Cyclohexane	7.63	56	117214	21.739	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	111573	22.032	ug/l	99
36) 1,1-Dichloropropene	7.77	75	96084	22.933	ug/l	98
37) Ethyl Acetate	6.90	43	109982	22.586	ug/l	100
38) Carbon Tetrachloride	7.75	117	96287	22.147	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	107991	22.724	ug/l	98
40) Benzene	8.02	78	277828	22.691	ug/l	99
41) Methacrylonitrile	7.18	41	161816	80.519	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	107552	22.937	ug/l	100
43) Isopropyl Acetate	8.14	43	173738	22.948	ug/l	100
44) Trichloroethene	8.82	130	71006	22.140	ug/l	99
45) 1,2-Dichloropropane	9.10	63	75637	22.876	ug/l	99
46) Dibromomethane	9.19	93	48309	22.302	ug/l	98
47) Bromodichloromethane	9.39	83	98782	22.873	ug/l	99
48) Methyl methacrylate	9.18	41	76460	22.260	ug/l	99
49) 1,4-Dioxane	9.19	88	20066	407.647	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	535217	118.570	ug/l	100
52) Toluene	10.14	92	166446	22.125	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	112513	22.526	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	117506	22.381	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	67554	22.883	ug/l	98
56) Ethyl methacrylate	10.42	69	98883	22.563	ug/l	100
57) 1,3-Dichloropropane	10.70	76	119810	23.309	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	160006	114.798	ug/l	99
59) 2-Hexanone	10.74	43	392282	110.267	ug/l	98
60) Dibromochloromethane	10.89	129	72708	22.566	ug/l	98
61) 1,2-Dibromoethane	11.00	107	68649	21.927	ug/l	99
64) Tetrachloroethene	10.62	164	67968	19.640	ug/l	99
65) Chlorobenzene	11.43	112	176455	21.967	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	67954	22.272	ug/l	99
67) Ethyl Benzene	11.50	91	323885	22.338	ug/l	100
68) m/p-Xylenes	11.62	106	235222	43.933	ug/l	100
69) o-Xylene	11.94	106	113449	22.269	ug/l	99
70) Styrene	11.96	104	175506	21.442	ug/l	98
71) Bromoform	12.12	173	50729	22.119	ug/l #	98
73) Isopropylbenzene	12.25	105	294432	22.016	ug/l	100
74) N-amyl acetate	12.07	43	131491	21.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96932	22.849	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141019	33.436	ug/l #	100
77) Bromobenzene	12.52	156	71609	21.773	ug/l	99
78) n-propylbenzene	12.59	91	357065	22.586	ug/l	100
79) 2-Chlorotoluene	12.67	91	210053	21.973	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	255622	22.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36795	21.548	ug/l	98
82) 4-Chlorotoluene	12.77	91	214377	21.902	ug/l	99
83) tert-Butylbenzene	12.99	119	213324	22.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255938	22.743	ug/l	100
85) sec-Butylbenzene	13.17	105	291875	22.893	ug/l	98
86) p-Isopropyltoluene	13.28	119	256843	22.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126268	20.878	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	125932	20.653	ug/l	99
89) n-Butylbenzene	13.61	91	228585	21.115	ug/l	99
90) Hexachloroethane	13.87	117	49218	22.550	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	124112	20.809	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	22813	20.278	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

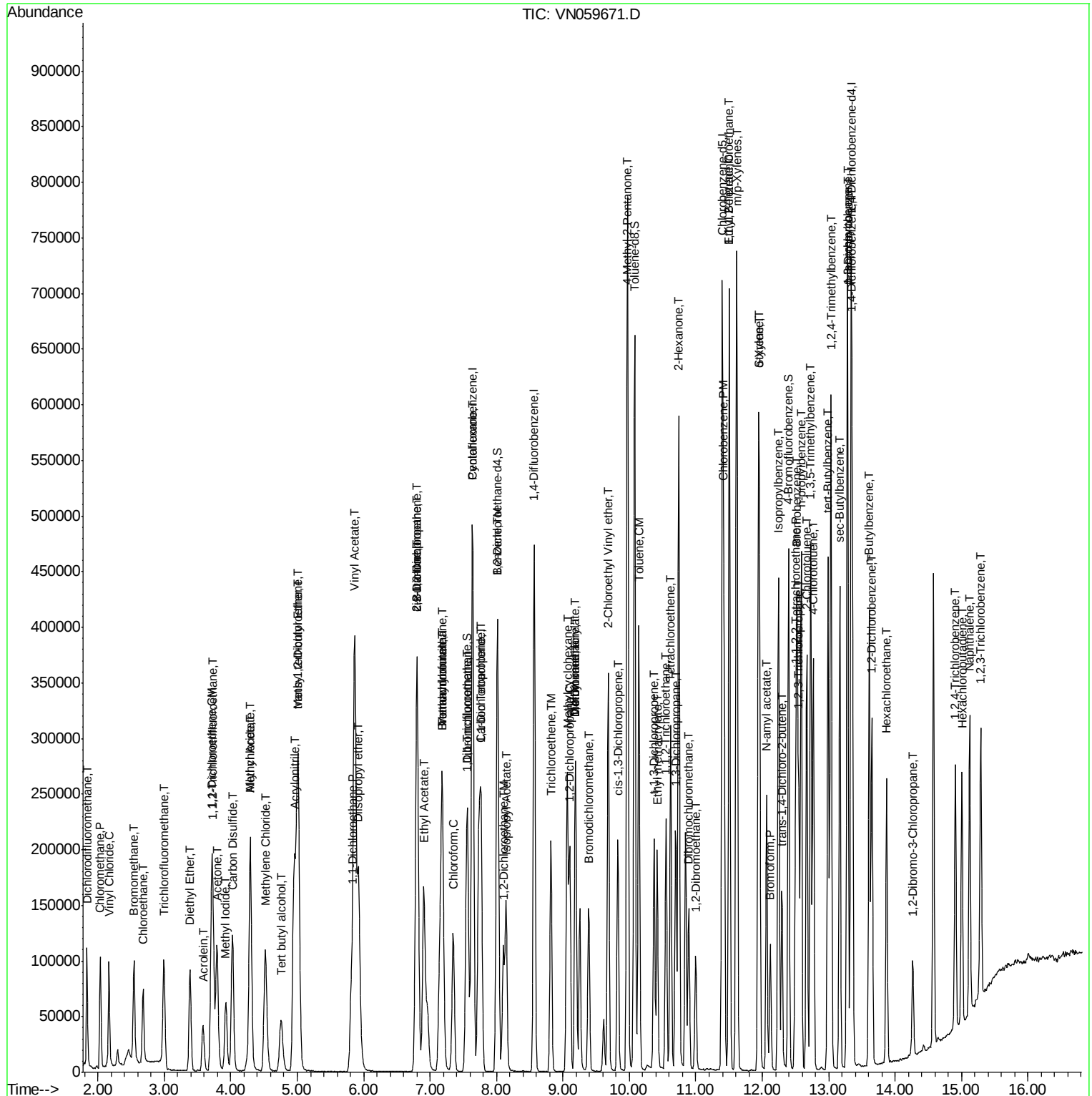
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69496	18.044	ug/l	97
94) Hexachlorobutadiene	15.00	225	39821	20.085	ug/l	99
95) Naphthalene	15.12	128	205242	17.851	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	71706	18.408	ug/l	99

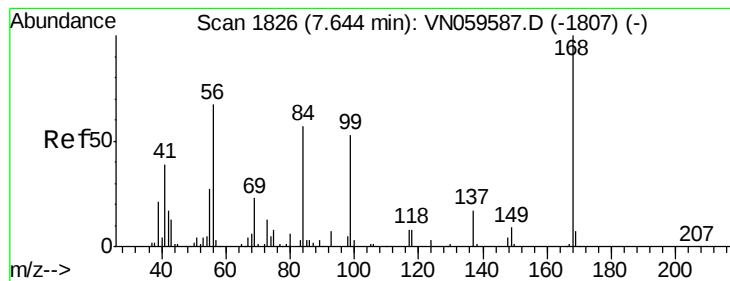
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
Data File : VN059671.D
Acq On : 19 Dec 2019 15:03
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Quant Time: Dec 20 01:53:19 2019
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

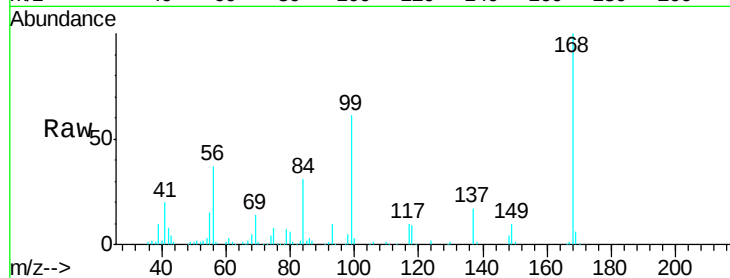
VN1219WBSD01

Tgt Ion:168 Resp: 253778

Ion Ratio Lower Upper

168 100

99 60.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

40000

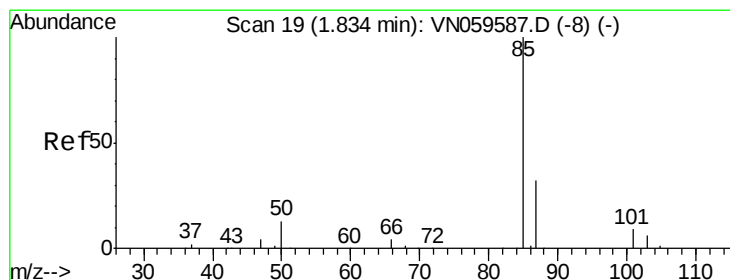
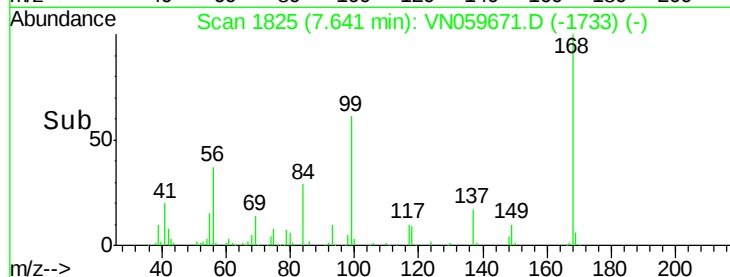
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 24.381 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059671.D

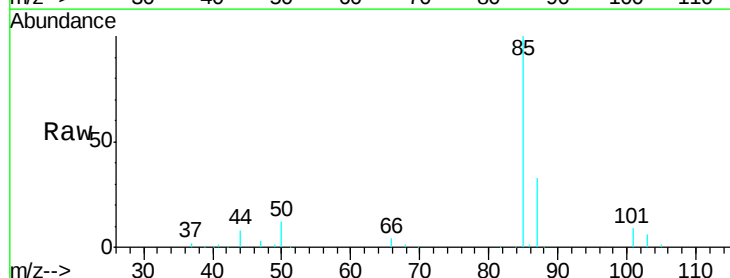
Acq: 19 Dec 2019 15:03

Tgt Ion: 85 Resp: 79954

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

40000

20000

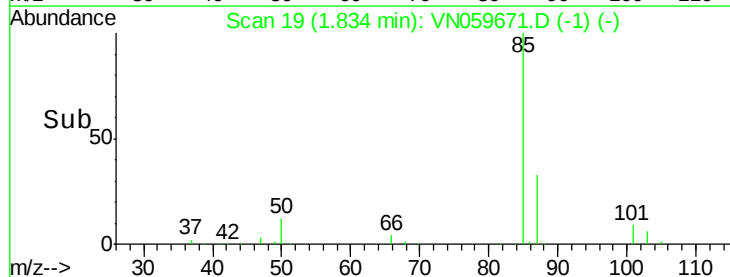
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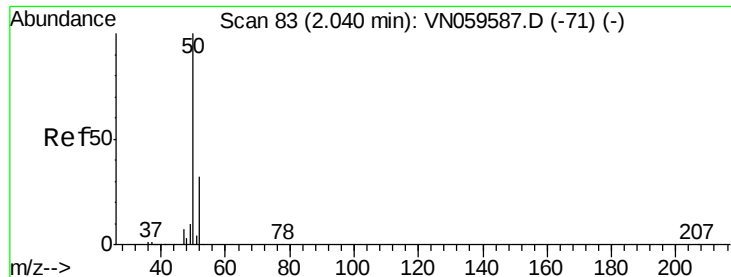
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.587 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

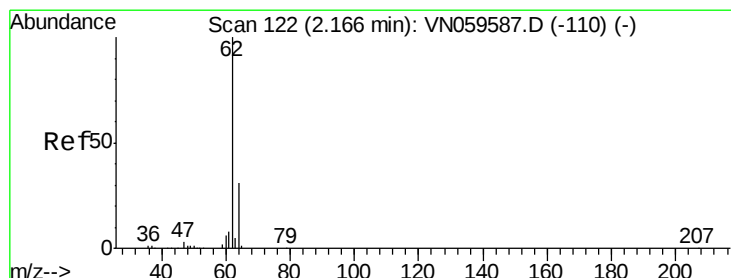
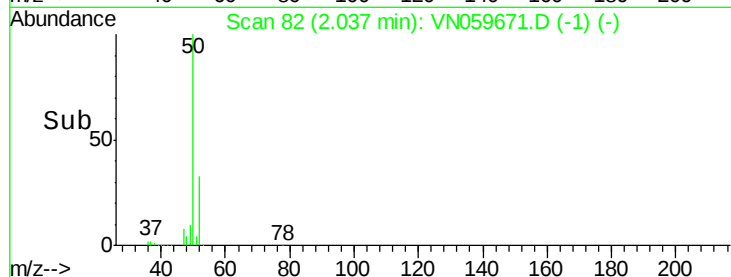
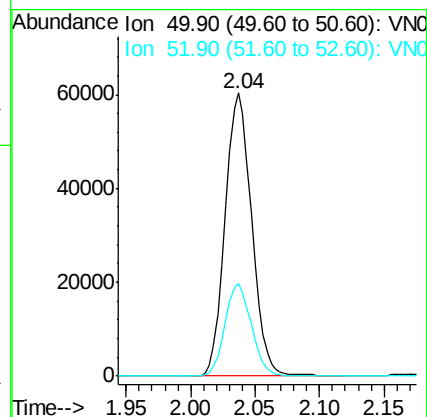
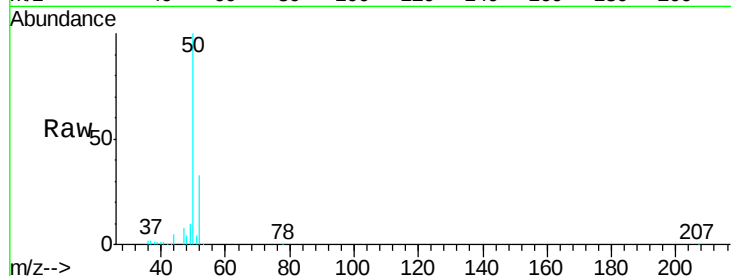
VN1219WBSD01

Tgt Ion: 50 Resp: 86321

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 16.972 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059671.D

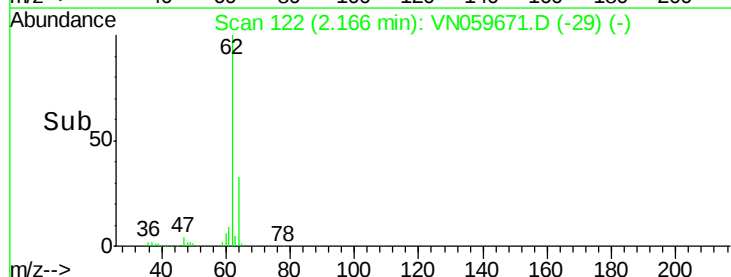
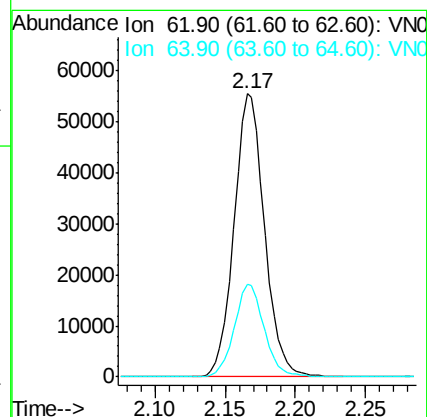
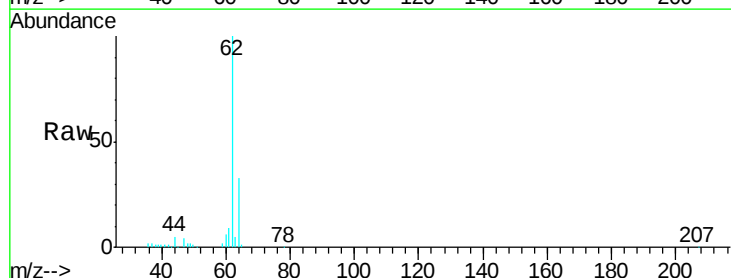
Acq: 19 Dec 2019 15:03

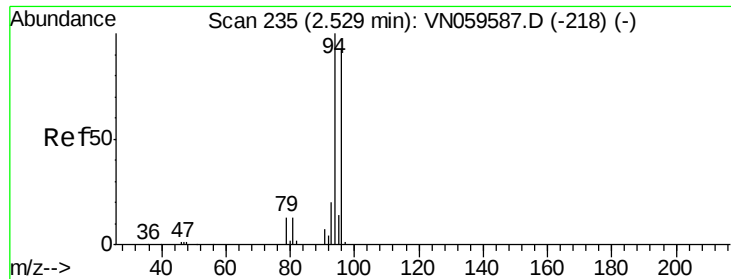
Tgt Ion: 62 Resp: 83758

Ion Ratio Lower Upper

62 100

64 32.9 24.6 37.0





#5

Bromomethane

Concen: 21.195 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

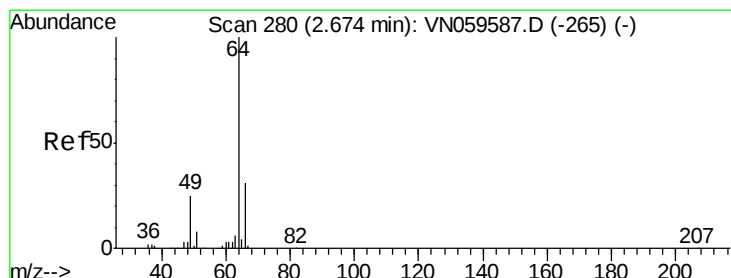
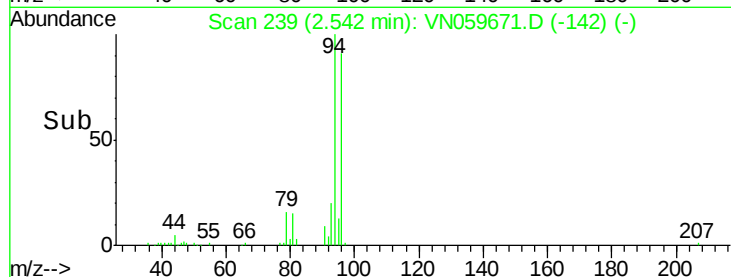
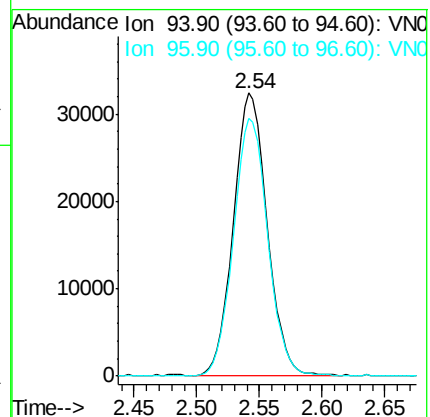
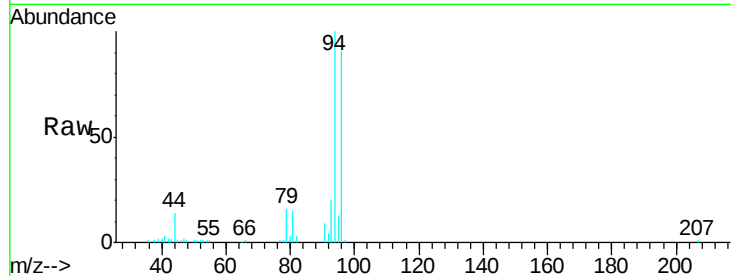
VN1219WBSD01

Tgt Ion: 94 Resp: 60807

Ion Ratio Lower Upper

94 100

96 91.0 74.7 112.1



#6

Chloroethane

Concen: 21.315 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059671.D

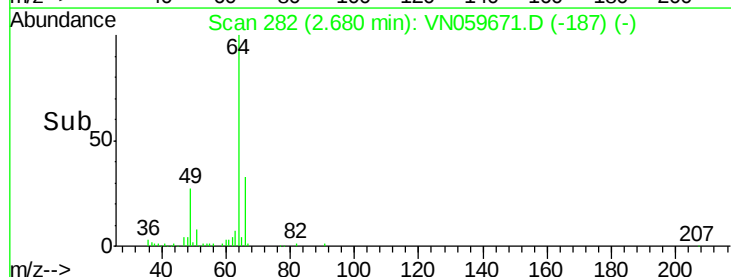
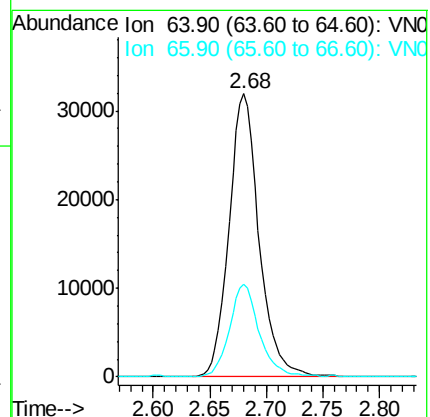
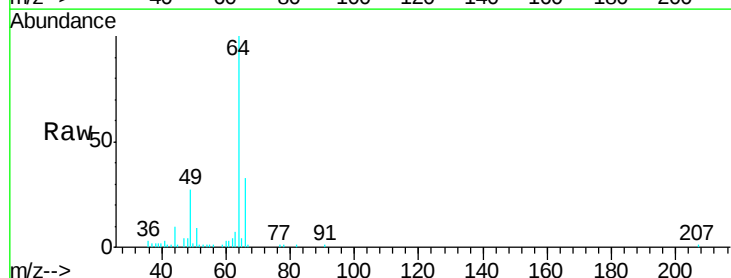
Acq: 19 Dec 2019 15:03

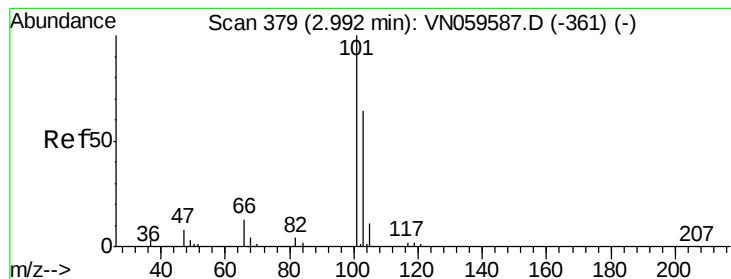
Tgt Ion: 64 Resp: 59118

Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7



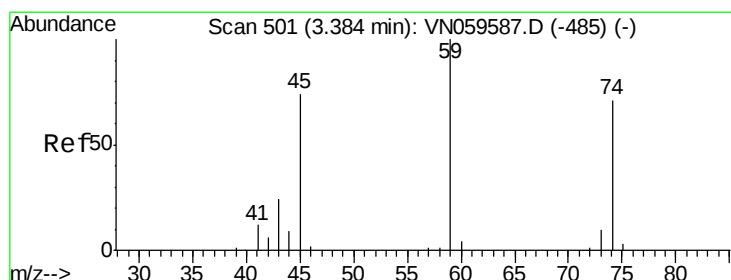
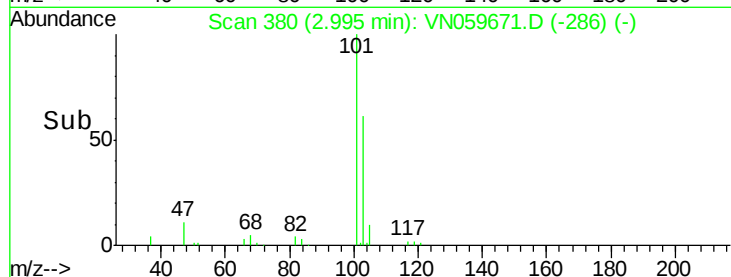
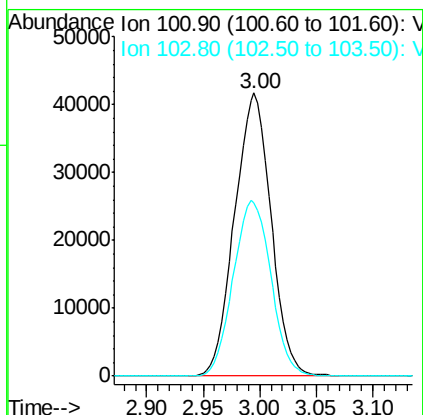
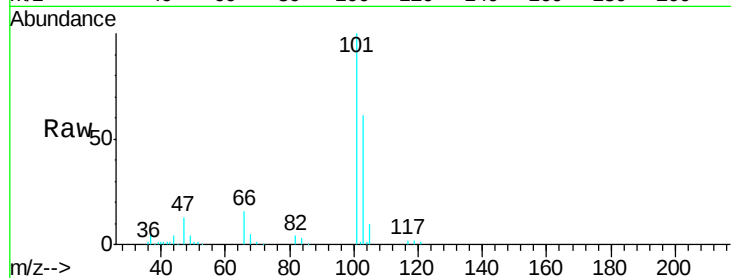


#7

Trichlorofluoromethane
Concen: 17.341 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

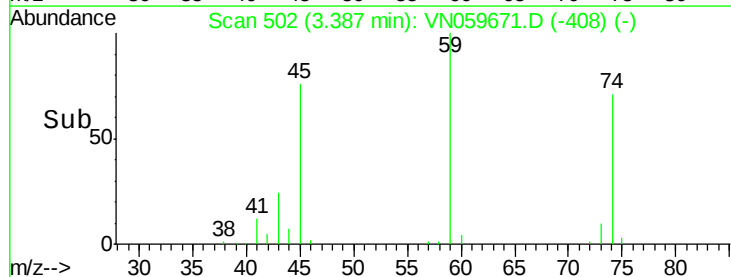
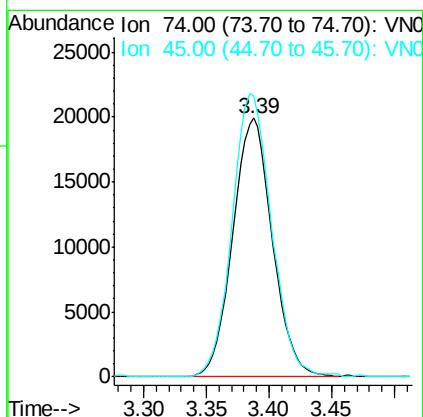
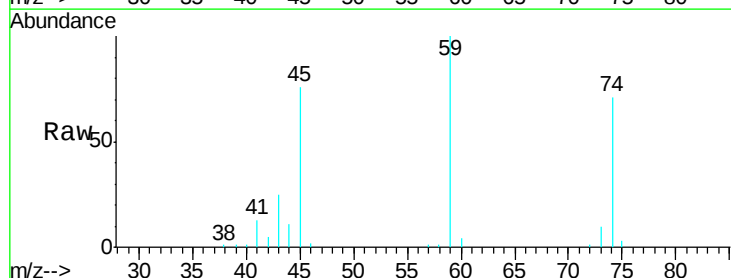
Tgt Ion:101 Resp: 93895
Ion Ratio Lower Upper
101 100
103 61.3 51.0 76.6

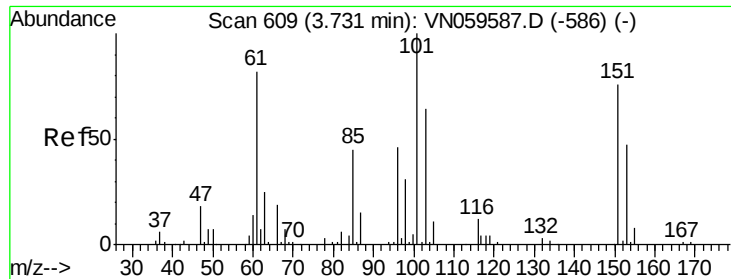


#8

Diethyl Ether
Concen: 25.799 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 74 Resp: 43646
Ion Ratio Lower Upper
74 100
45 109.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.196 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

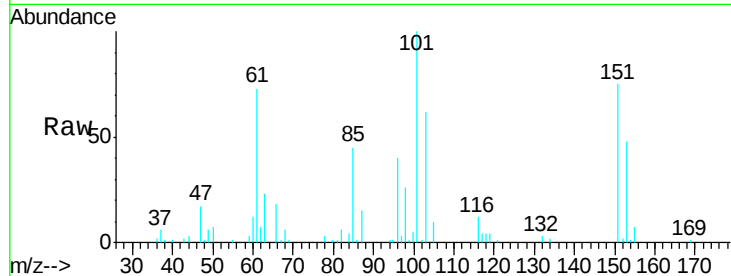
Tgt Ion:101 Resp: 66021

Ion Ratio Lower Upper

101 100

85 46.1 36.6 54.8

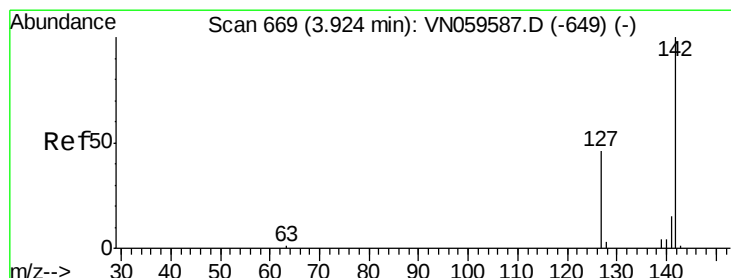
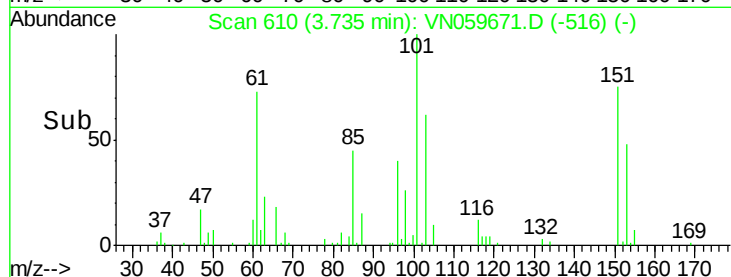
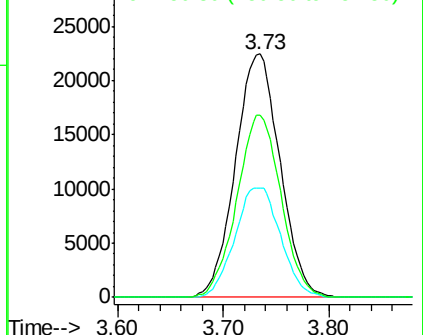
151 74.1 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.380 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

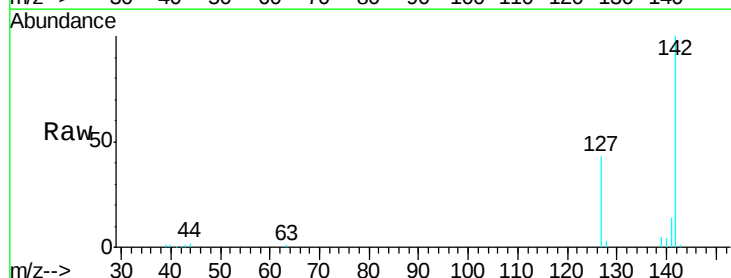
Tgt Ion:142 Resp: 98906

Ion Ratio Lower Upper

142 100

127 43.7 36.7 55.1

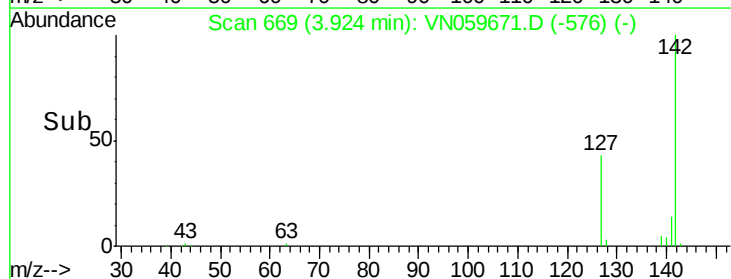
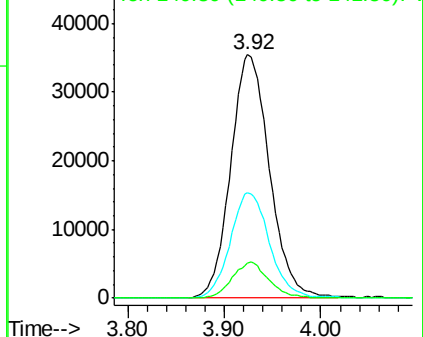
141 13.8 11.7 17.5

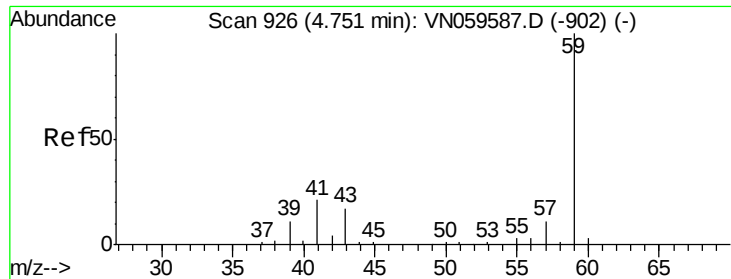


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

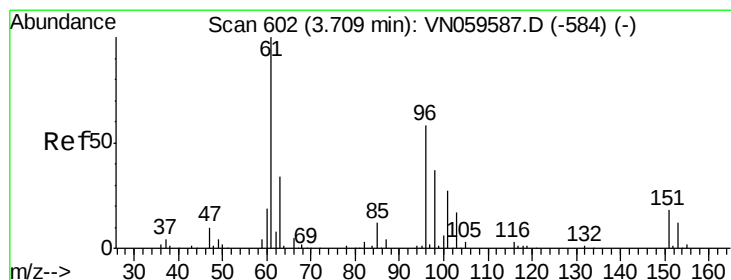
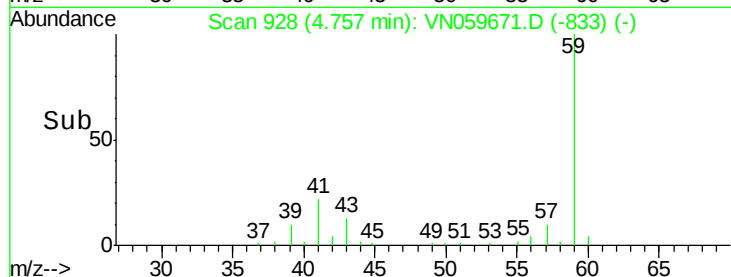
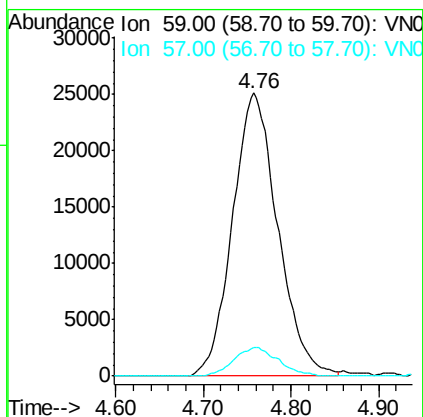
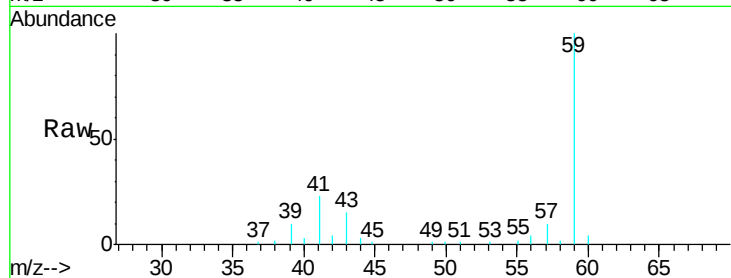




#11
Tert butyl alcohol
Concen: 133.181 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

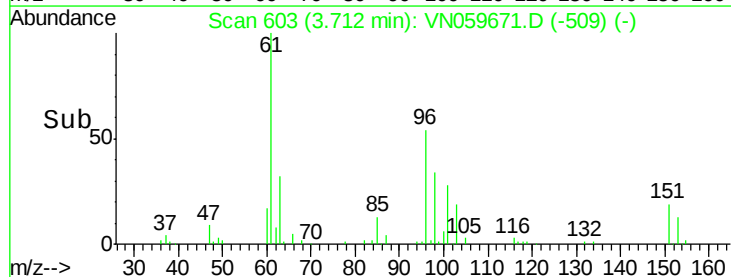
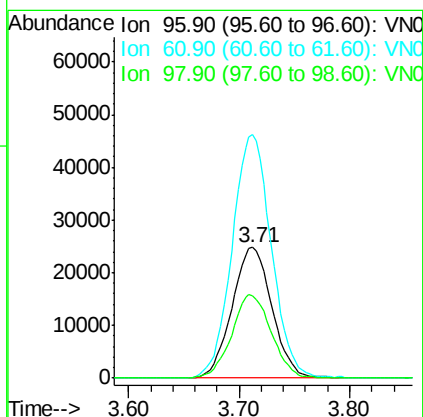
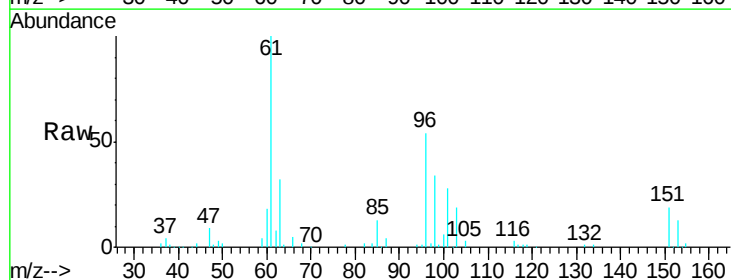
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

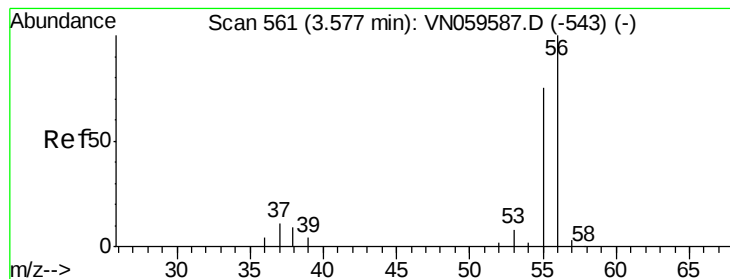
Tgt Ion: 59 Resp: 90166
Ion Ratio Lower Upper
59 100
57 9.9 8.6 12.8



#12
1,1-Dichloroethene
Concen: 23.306 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 96 Resp: 62035
Ion Ratio Lower Upper
96 100
61 186.0 137.5 206.3
98 62.8 50.2 75.4





#13

Acrolein

Concen: 93.936 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

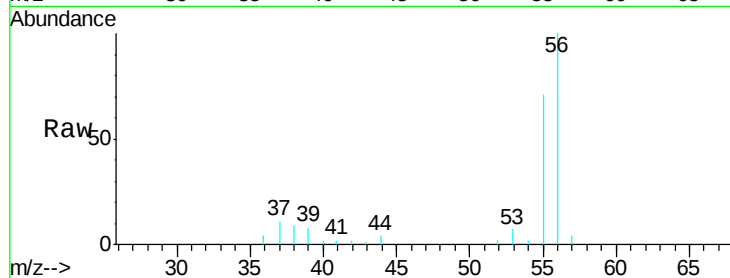
VN1219WBSD01

Tgt Ion: 56 Resp: 45302

Ion Ratio Lower Upper

56 100

55 73.5 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

20000

15000

10000

5000

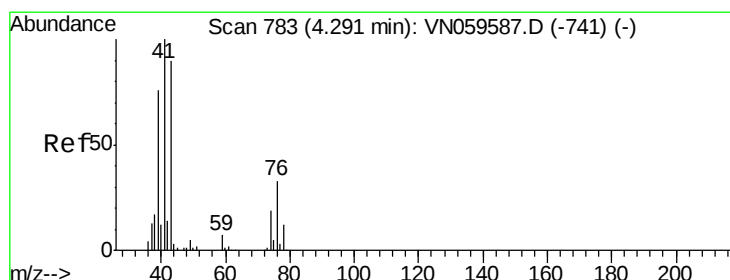
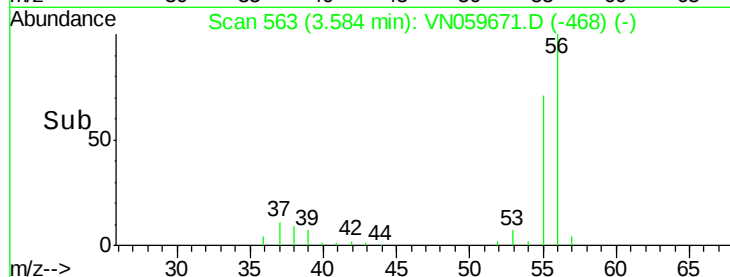
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 27.167 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

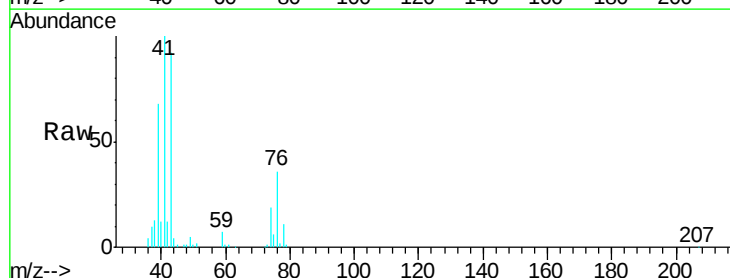
Tgt Ion: 41 Resp: 148449

Ion Ratio Lower Upper

41 100

39 65.2 57.8 86.8

76 32.2 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

60000

40000

20000

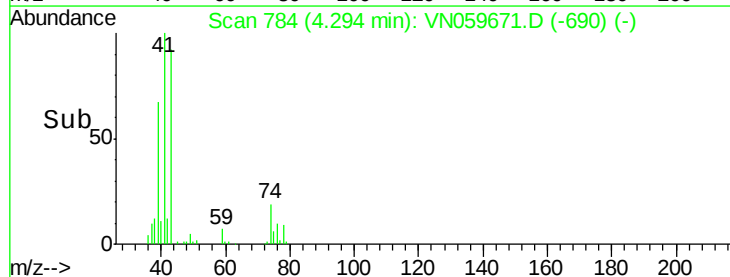
0

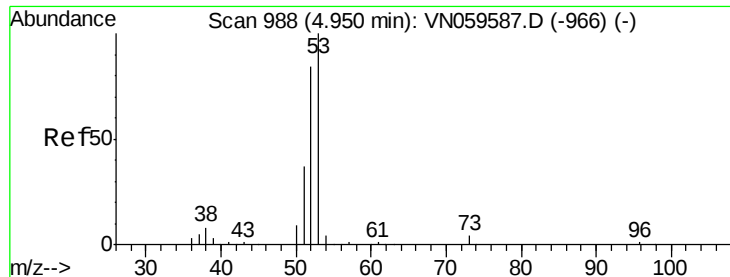
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 148.734 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

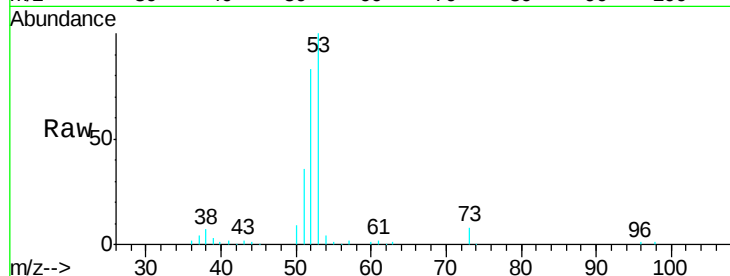
Tgt Ion: 53 Resp: 243570

Ion Ratio Lower Upper

53 100

52 82.2 66.3 99.5

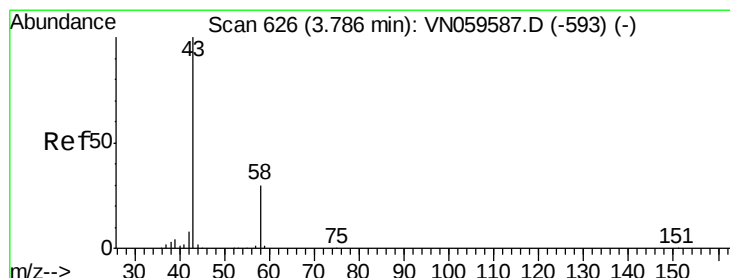
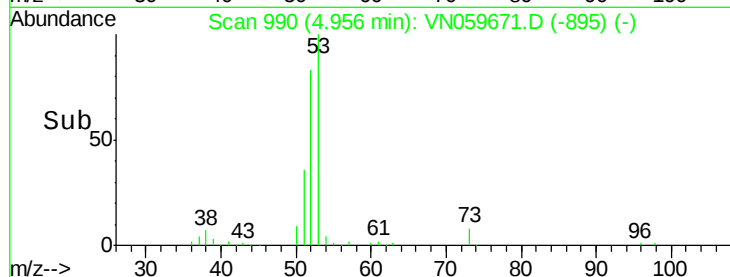
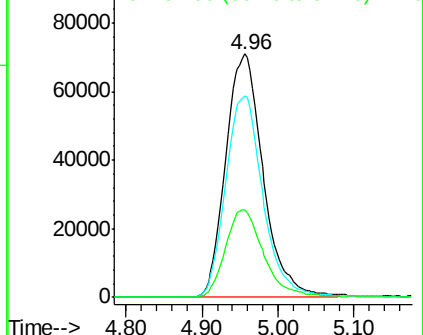
51 36.9 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)



#16

Acetone

Concen: 86.169 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059671.D

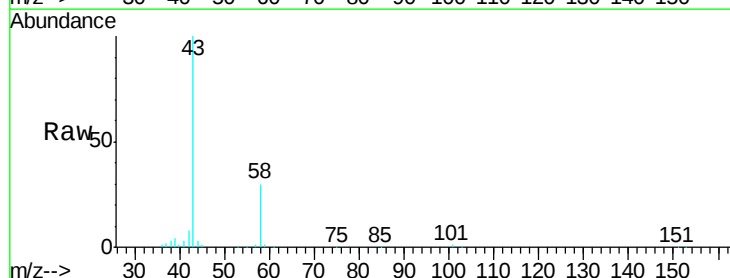
Acq: 19 Dec 2019 15:03

Tgt Ion: 43 Resp: 188923

Ion Ratio Lower Upper

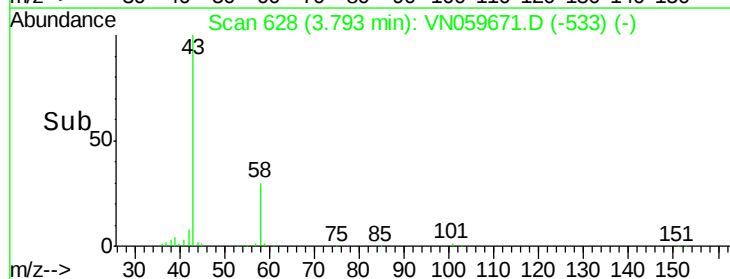
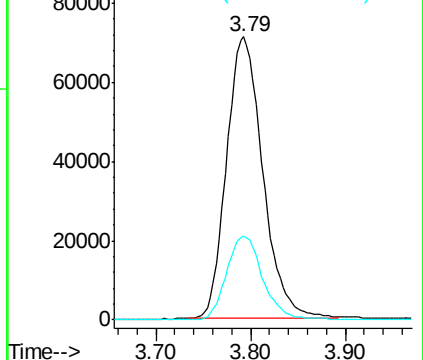
43 100

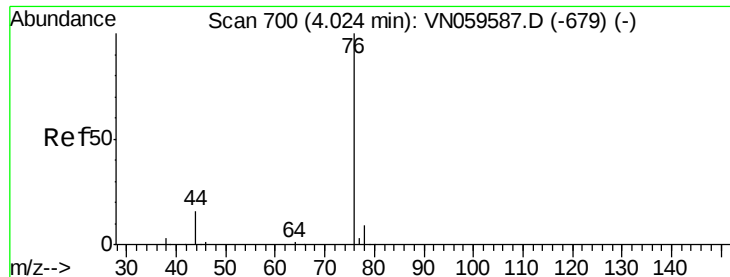
58 29.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

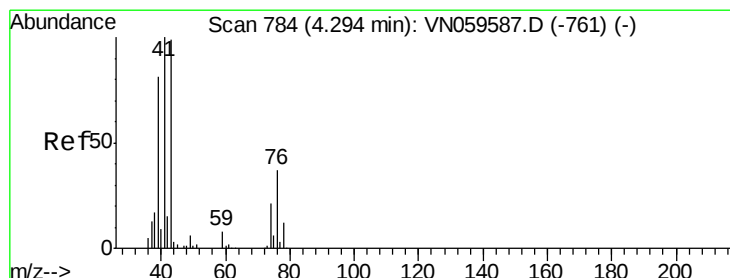
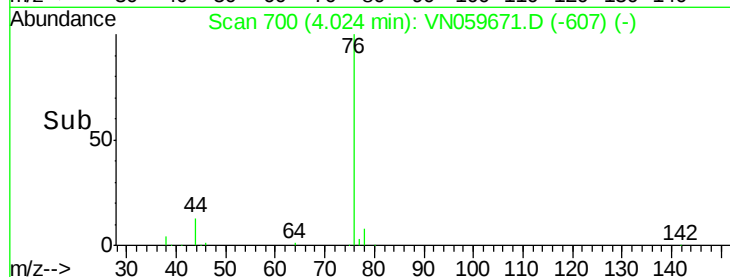
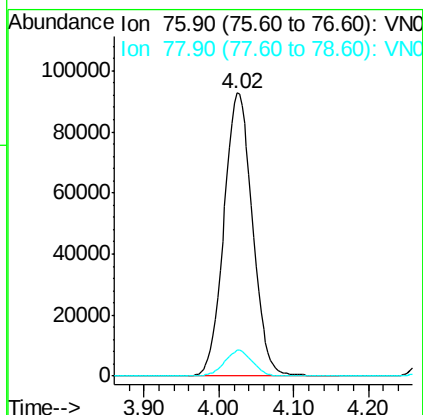
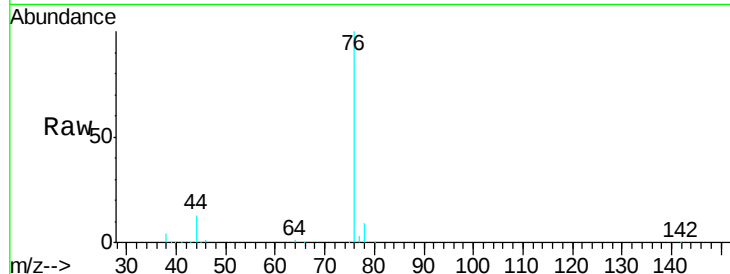




#17
Carbon Disulfide
Concen: 26.850 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

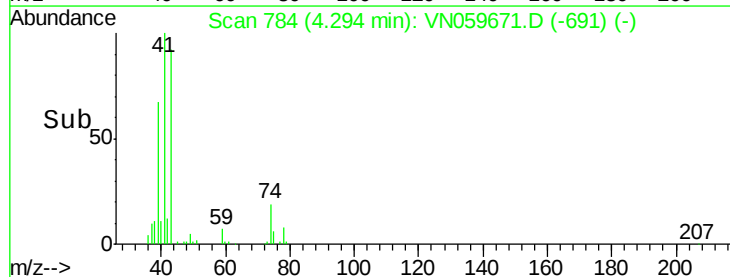
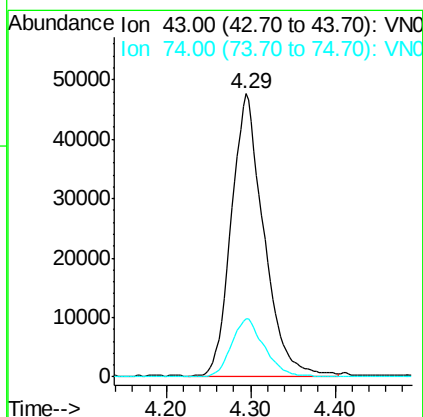
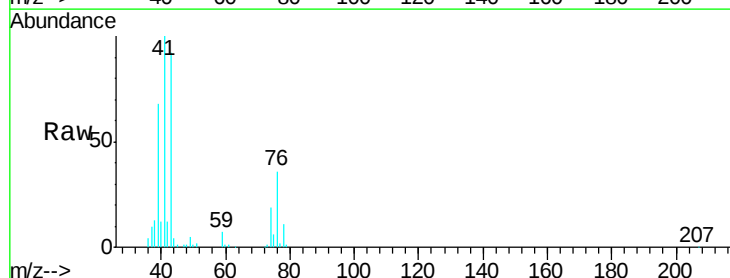
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

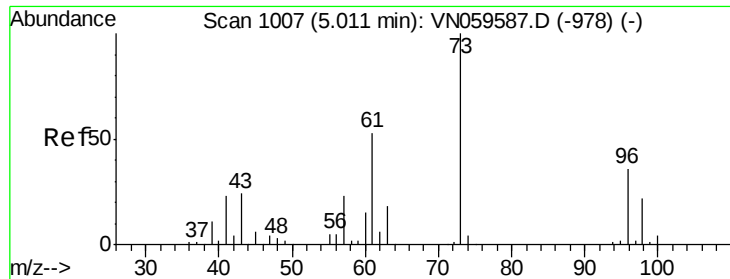
Tgt Ion: 76 Resp: 244548
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 27.999 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 43 Resp: 128633
Ion Ratio Lower Upper
43 100
74 20.6 17.5 26.3

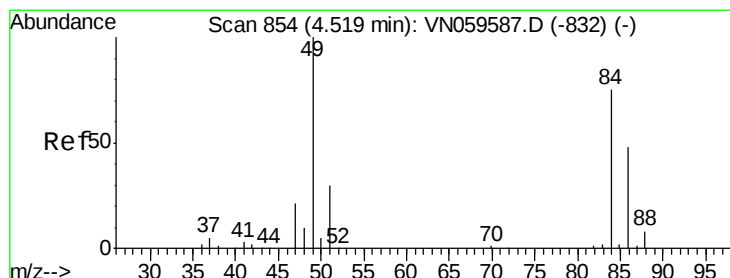
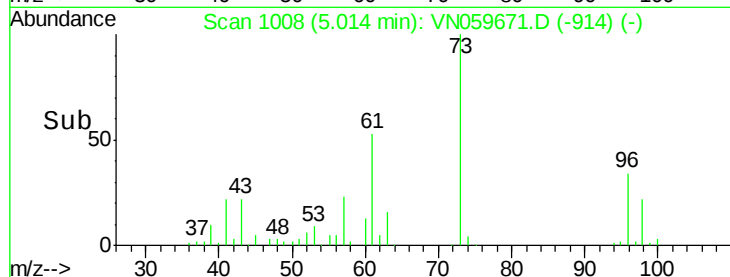
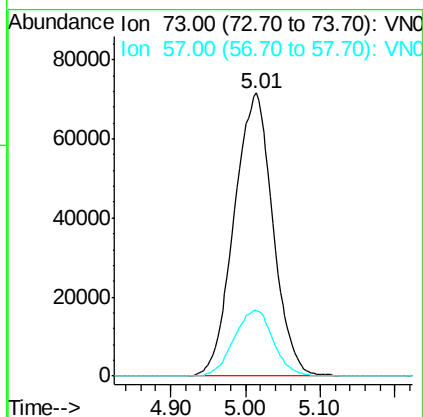
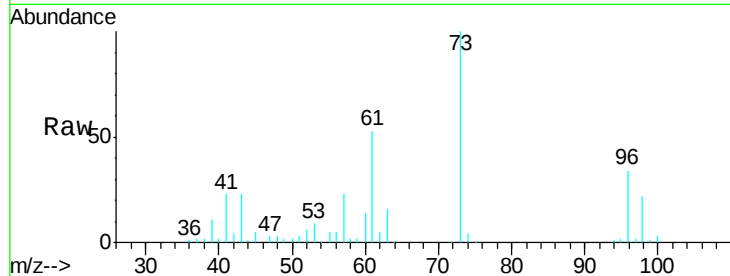




#19
Methyl tert-butyl Ether
Concen: 27.401 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

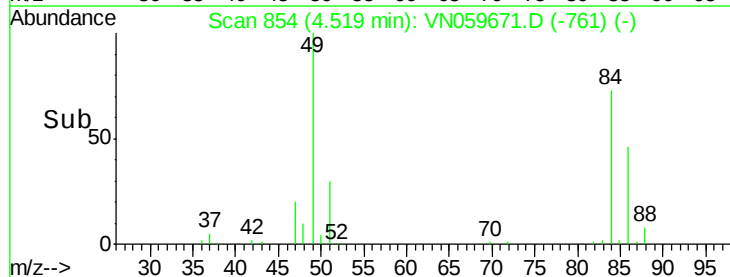
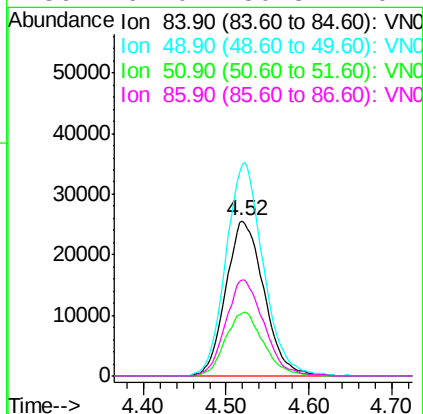
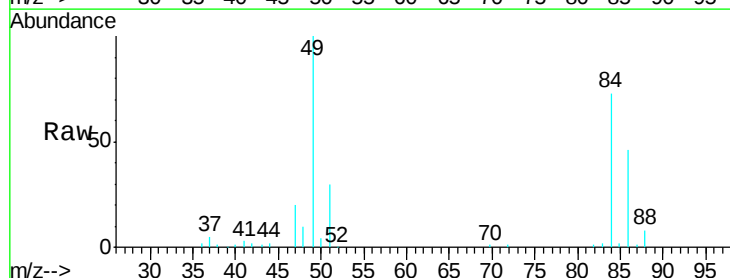
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

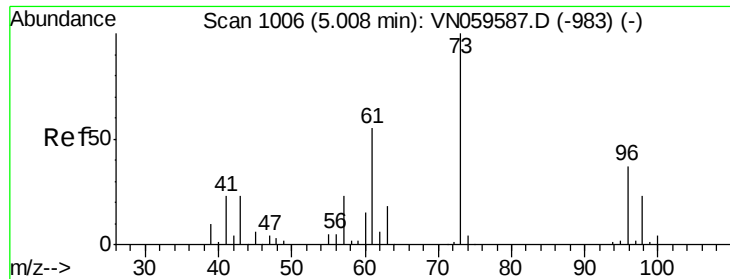
Tgt Ion: 73 Resp: 257520
Ion Ratio Lower Upper
73 100
57 23.4 18.6 27.8



#20
Methylene Chloride
Concen: 25.894 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 84 Resp: 81991
Ion Ratio Lower Upper
84 100
49 136.1 106.6 160.0
51 40.3 31.9 47.9
86 62.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 26.265 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

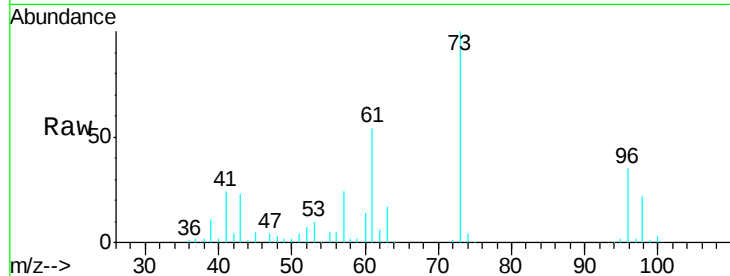
Tgt Ion: 96 Resp: 77939

Ion Ratio Lower Upper

96 100

61 154.6 120.4 180.6

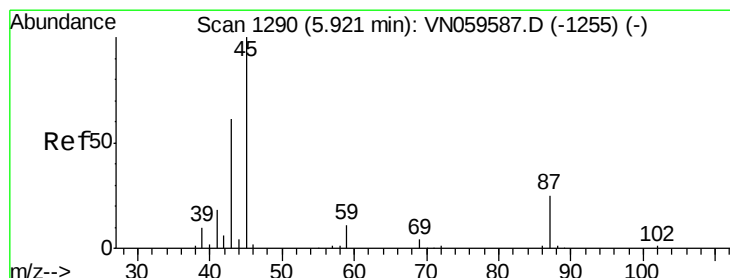
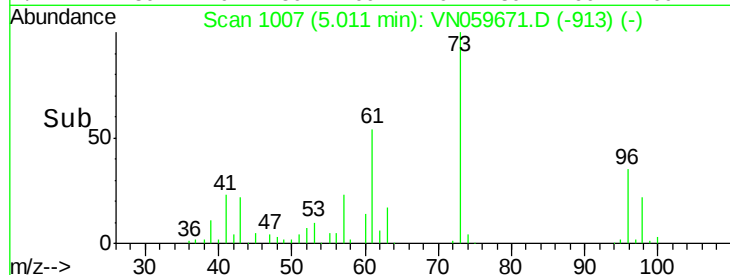
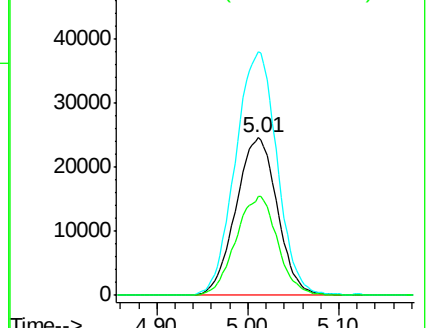
98 62.7 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-983) (-)



#22

Diisopropyl ether

Concen: 23.506 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion: 45 Resp: 236801

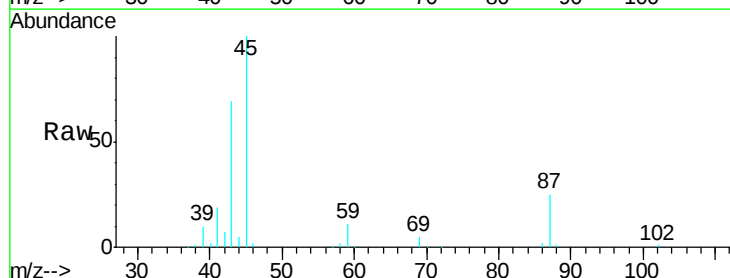
Ion Ratio Lower Upper

45 100

43 67.1 50.8 76.2

87 25.1 21.0 31.6

59 10.8 9.1 13.7

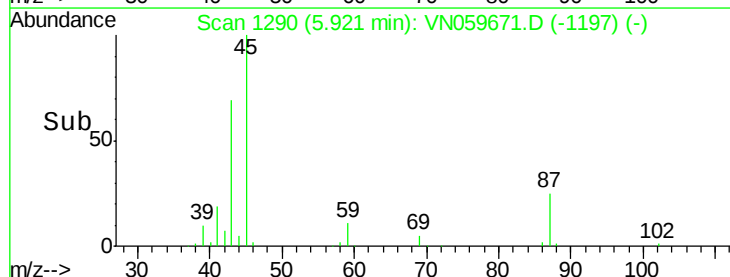
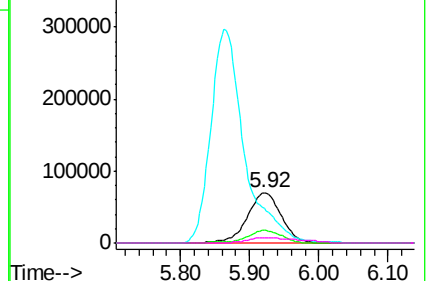


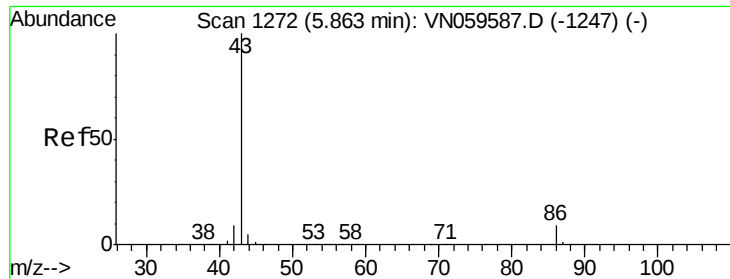
Abundance Ion 45.00 (44.70 to 45.70): VN059587.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN059587.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN059587.D (-1255) (-)

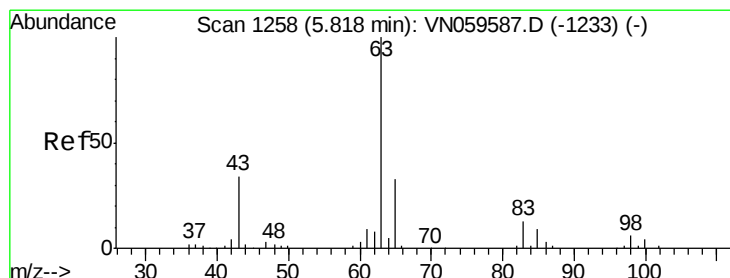
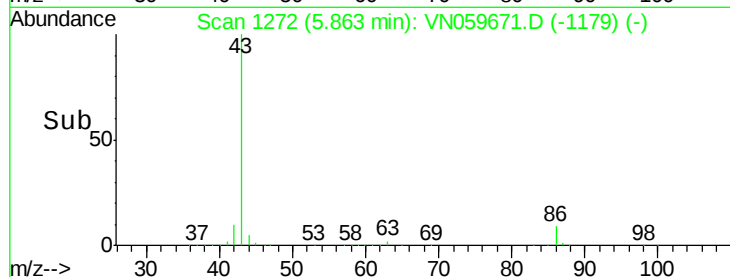
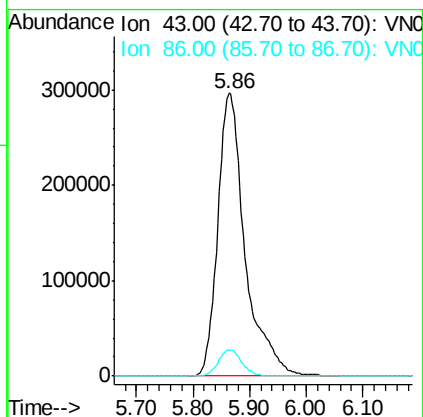
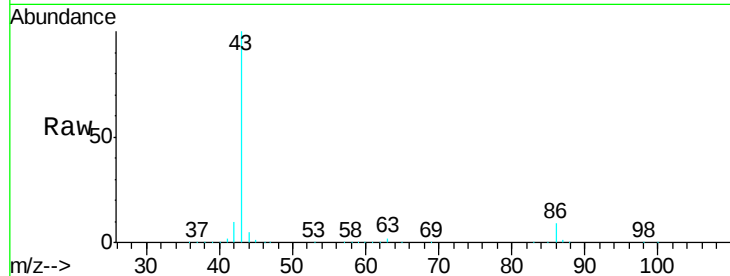




#23
 Vinyl Acetate
 Concen: 126.127 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

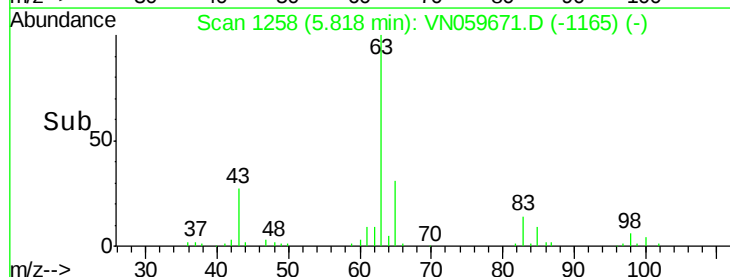
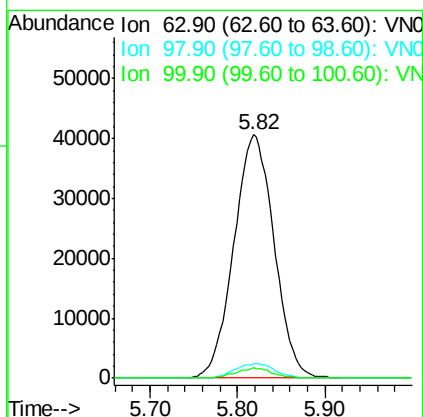
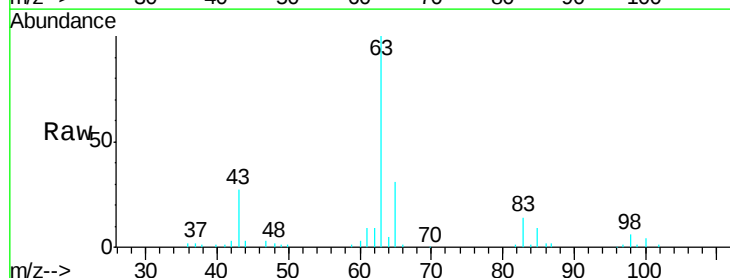
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

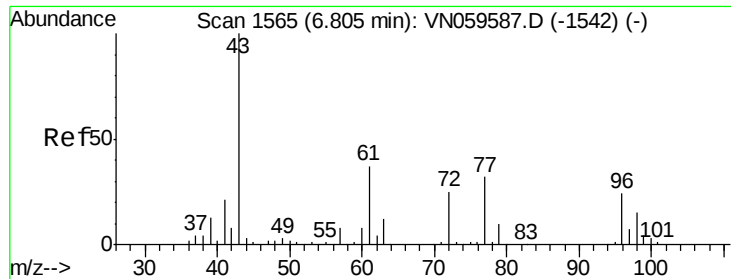
Tgt Ion: 43 Resp: 997121
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 22.714 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion: 63 Resp: 129617
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 99.022 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

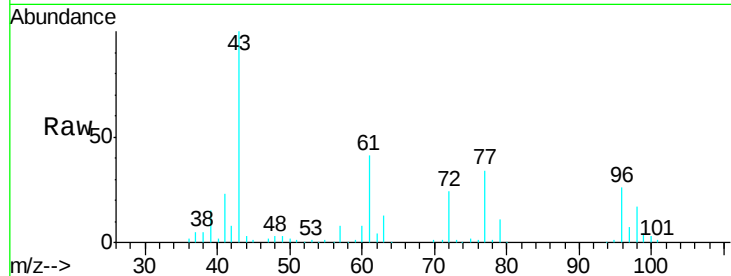
VN1219WBSD01

Tgt Ion: 43 Resp: 259613

Ion Ratio Lower Upper

43 100

72 24.4 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

100000

80000

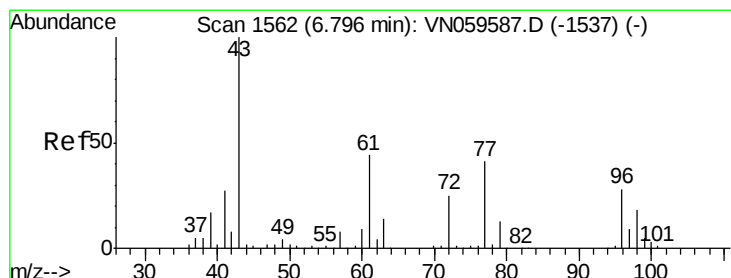
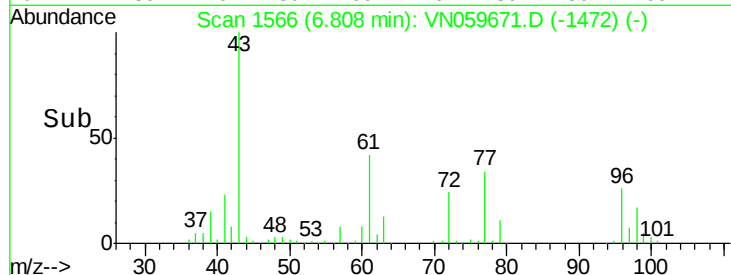
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 22.600 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059671.D

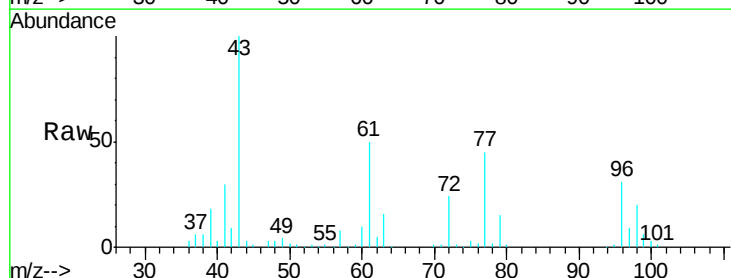
Acq: 19 Dec 2019 15:03

Tgt Ion: 77 Resp: 117214

Ion Ratio Lower Upper

77 100

97 21.1 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

40000

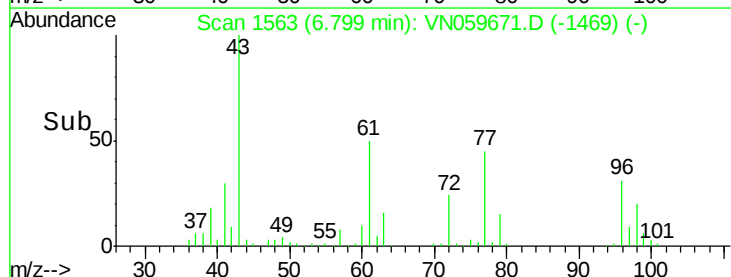
30000

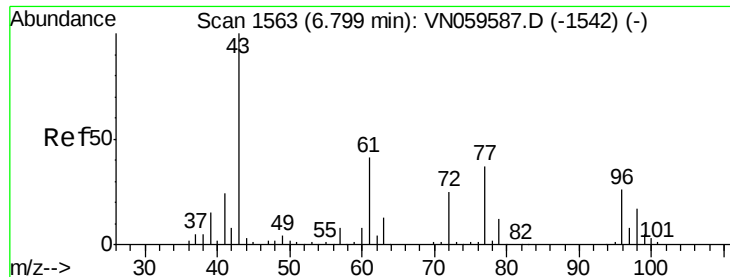
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 22.414 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

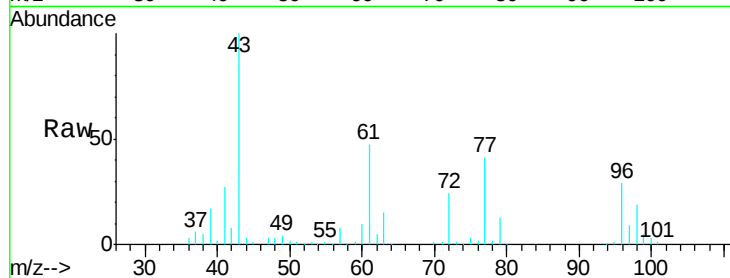
Tgt Ion: 96 Resp: 73701

Ion Ratio Lower Upper

96 100

61 161.4 0.0 317.6

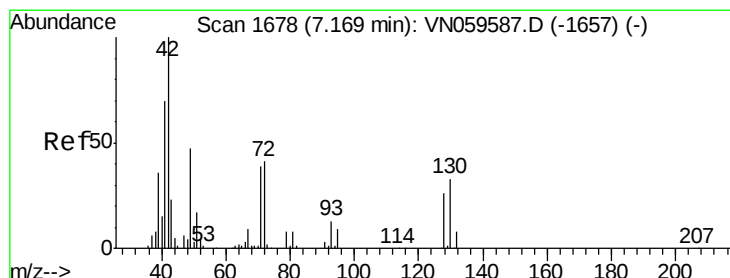
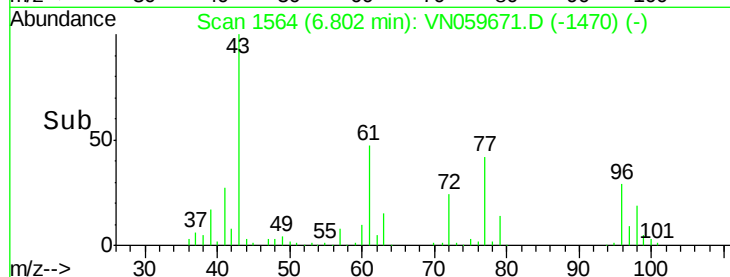
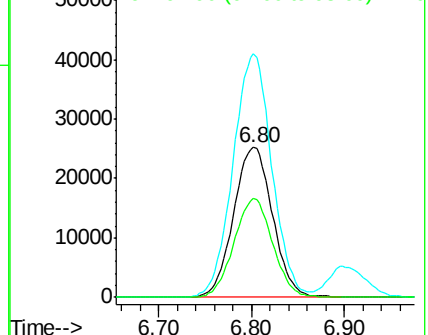
98 65.1 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1542) (-)



#28

Bromochloromethane

Concen: 23.807 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

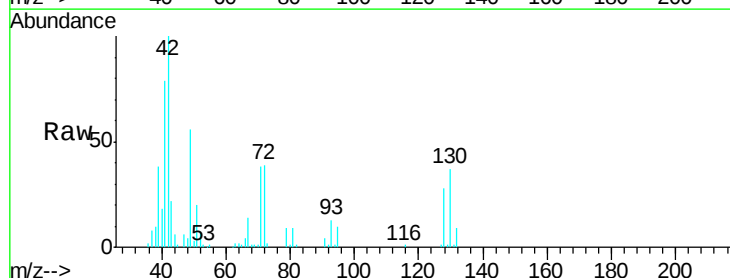
Tgt Ion: 49 Resp: 56492

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

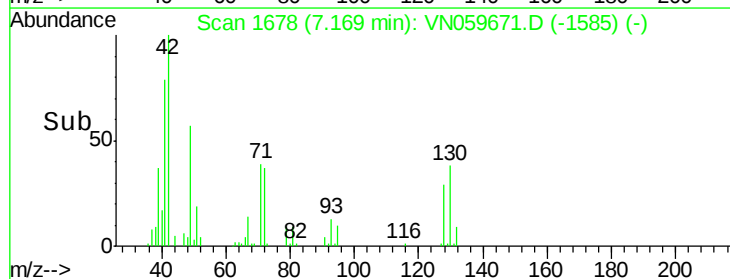
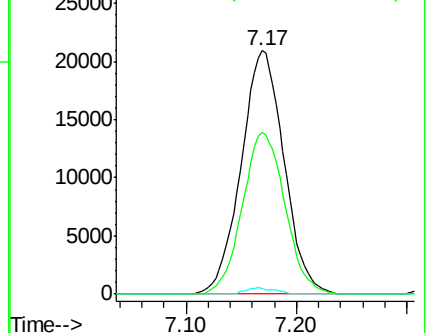
130 65.8 54.7 82.1

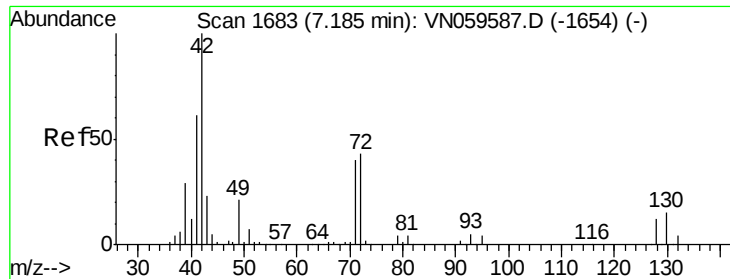


Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059587.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059587.D (-1657) (-)





#29

Tetrahydrofuran

Concen: 111.110 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

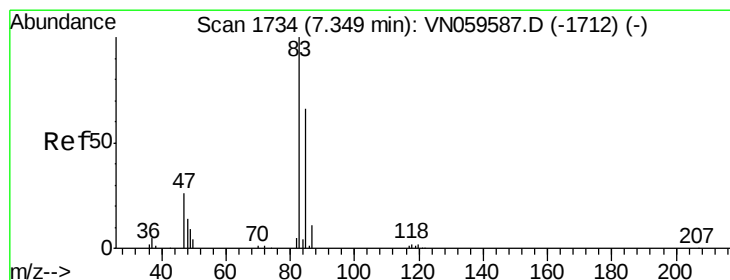
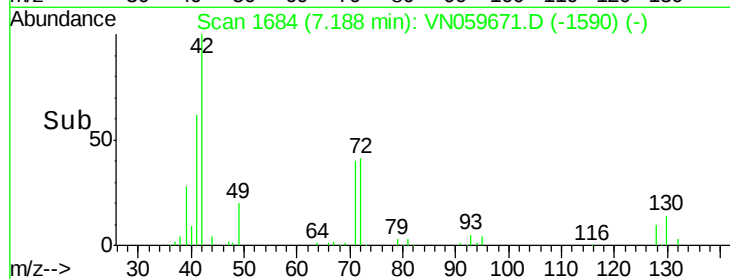
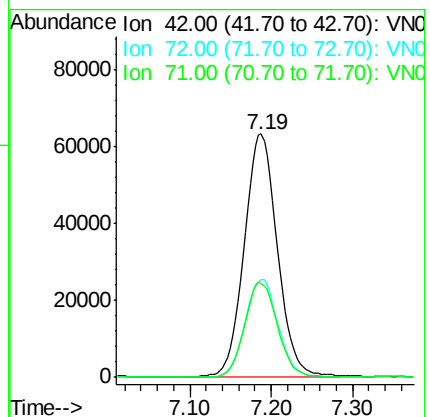
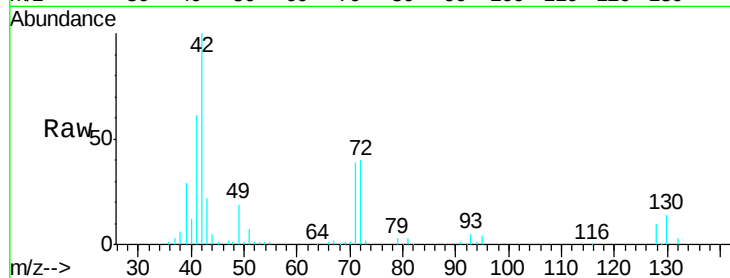
Tgt Ion: 42 Resp: 177488

Ion Ratio Lower Upper

42 100

72 39.9 33.1 49.7

71 38.6 31.4 47.0



#30

Chloroform

Concen: 22.415 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059671.D

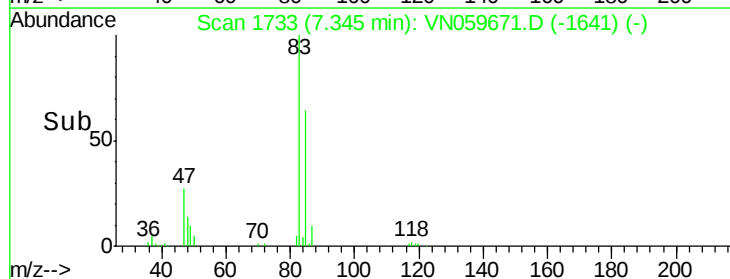
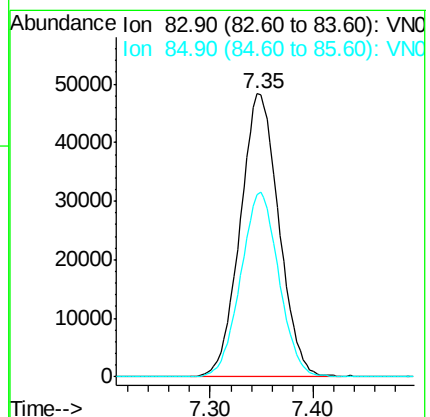
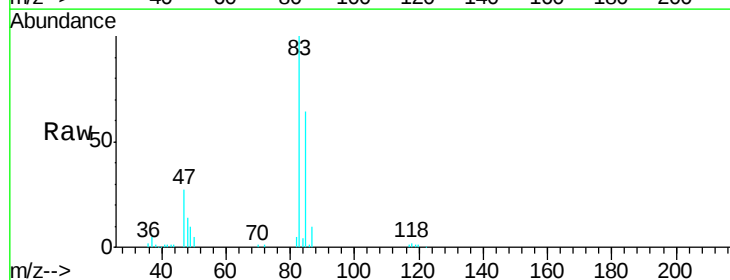
Acq: 19 Dec 2019 15:03

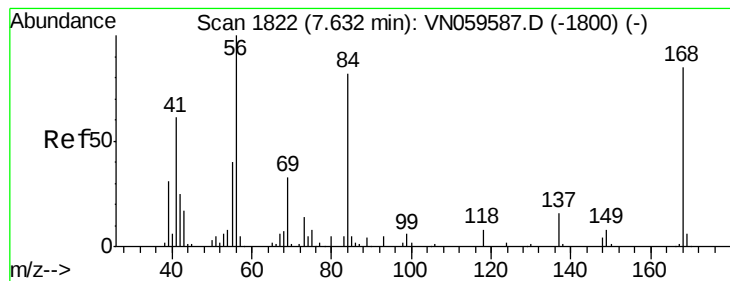
Tgt Ion: 83 Resp: 125905

Ion Ratio Lower Upper

83 100

85 64.2 52.4 78.6





#31

Cyclohexane

Concen: 21.739 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

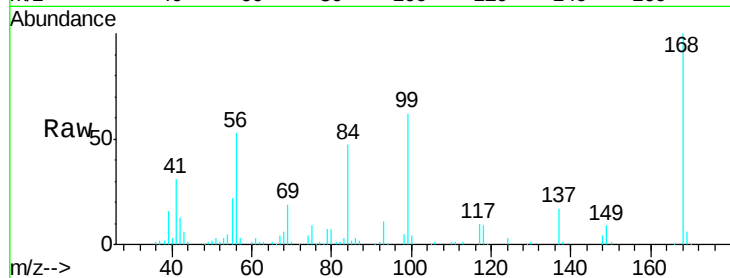
Tgt Ion: 56 Resp: 117214

Ion Ratio Lower Upper

56 100

69 36.1 26.5 39.7

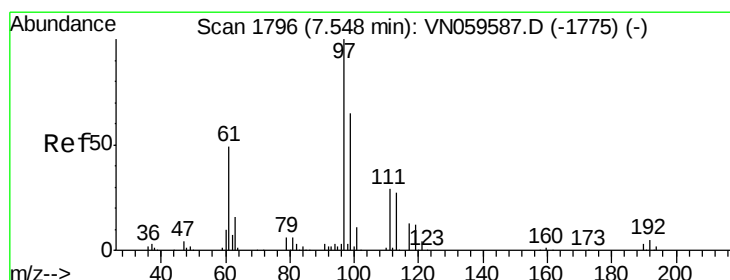
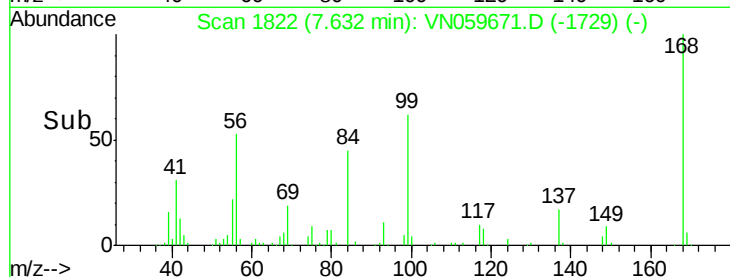
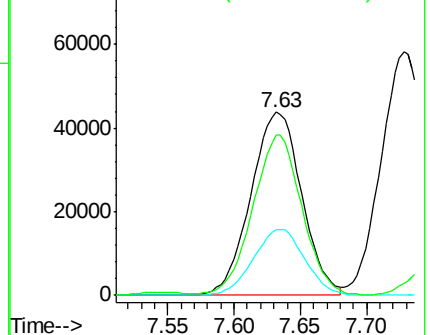
84 86.7 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.032 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

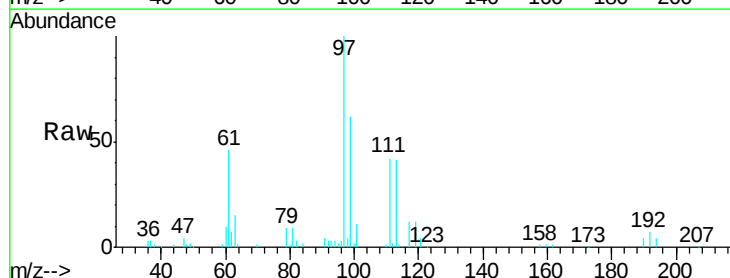
Tgt Ion: 97 Resp: 111573

Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

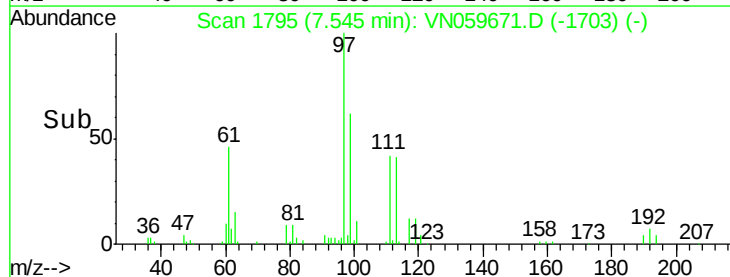
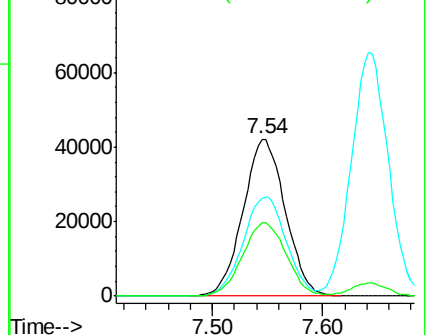
61 48.4 38.5 57.7

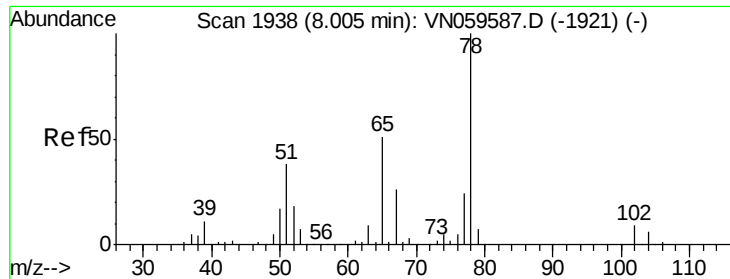


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

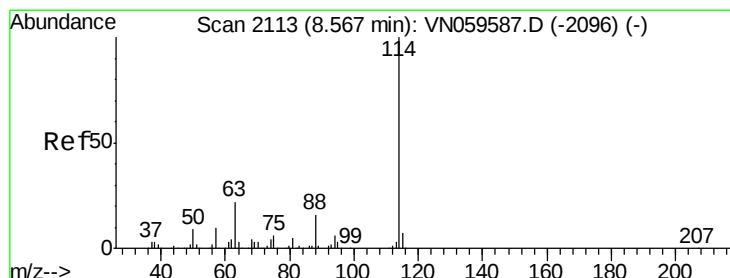
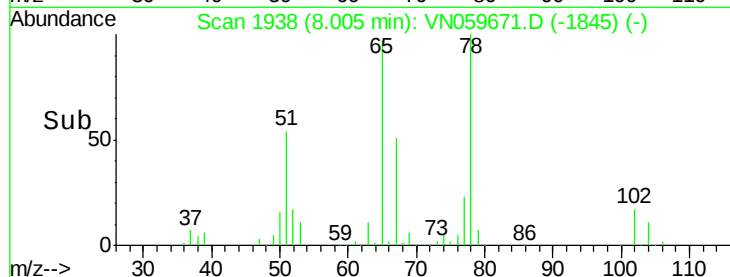
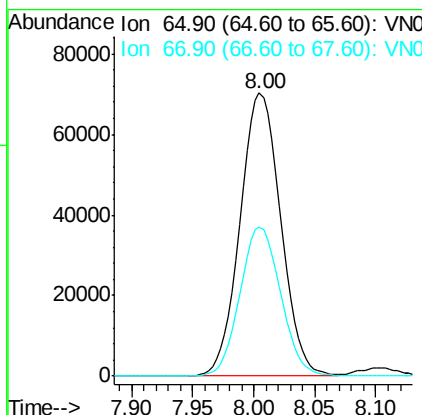
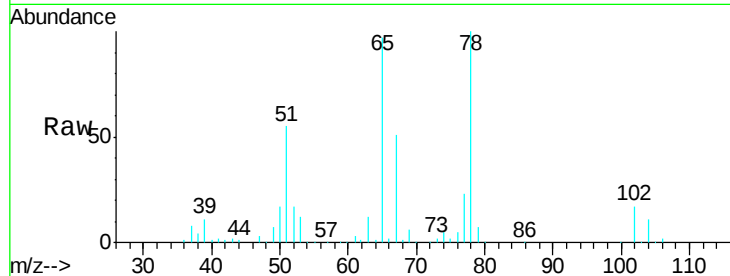




#33
 1,2-Dichloroethane-d4
 Concen: 43.904 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

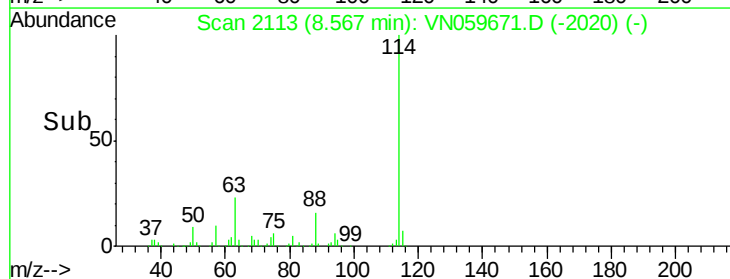
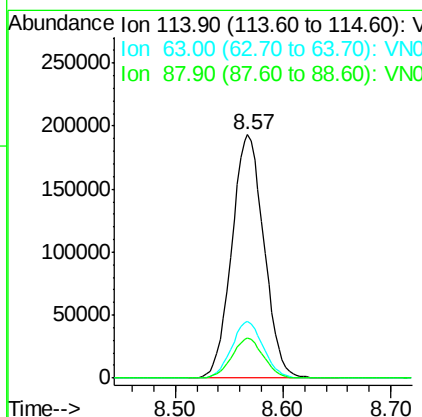
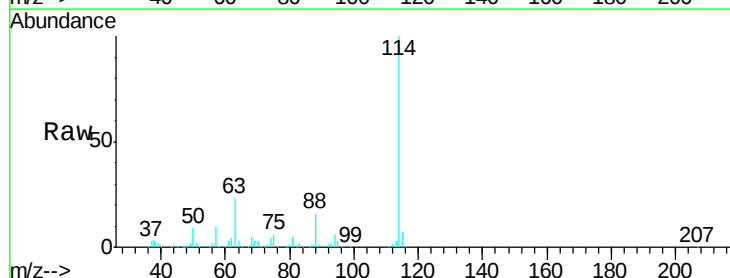
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

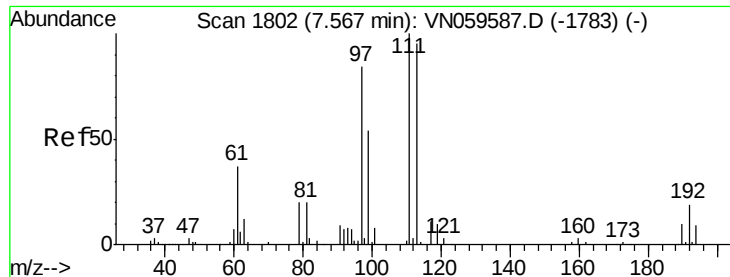
Tgt Ion: 65 Resp: 162130
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion: 114 Resp: 401754
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 43.6
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 44.725 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

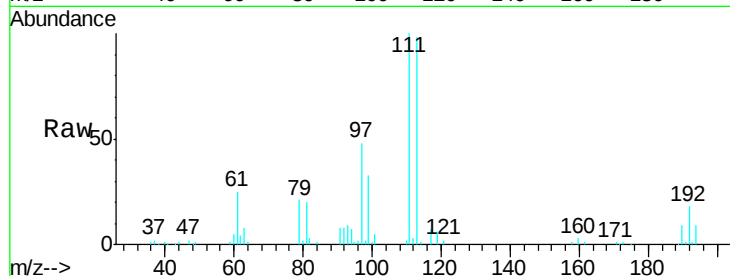
Tgt Ion:113 Resp: 112427

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

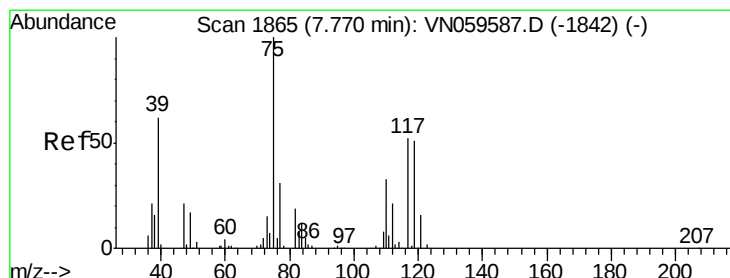
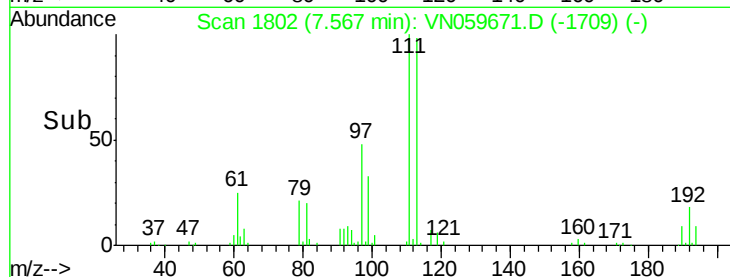
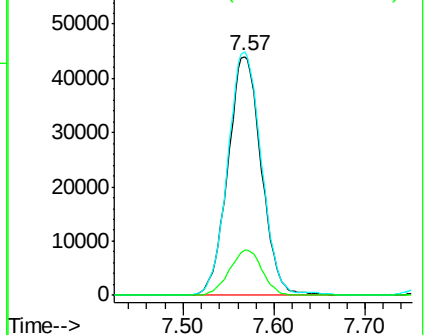
192 18.6 15.4 23.2



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: 22.933 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

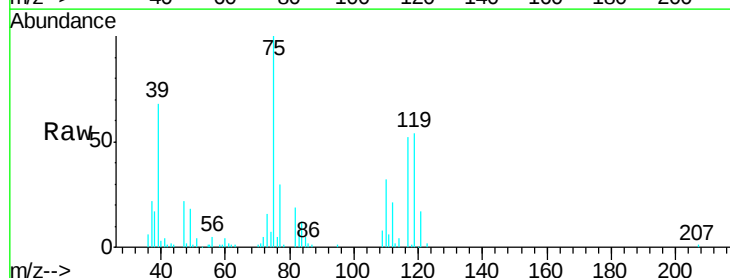
Tgt Ion: 75 Resp: 96084

Ion Ratio Lower Upper

75 100

110 32.2 16.6 49.7

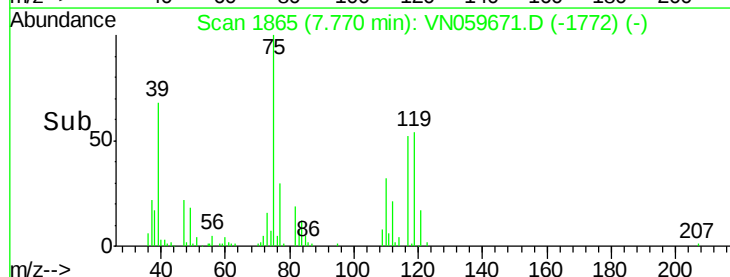
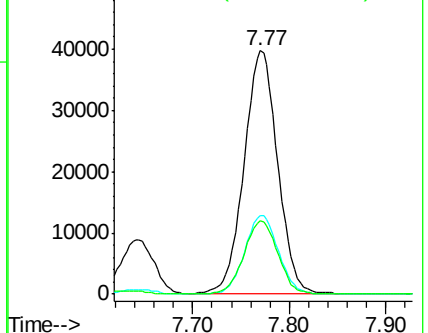
77 30.2 25.1 37.7

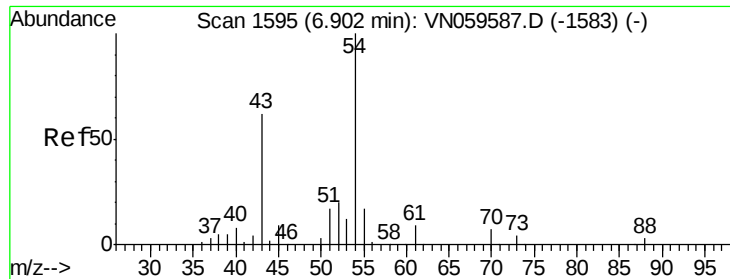


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

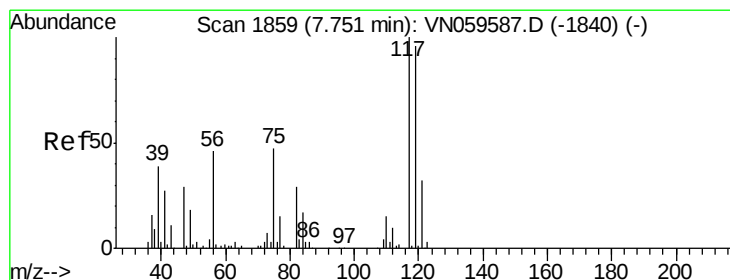
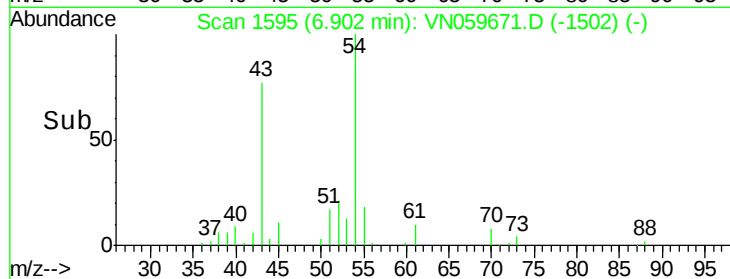
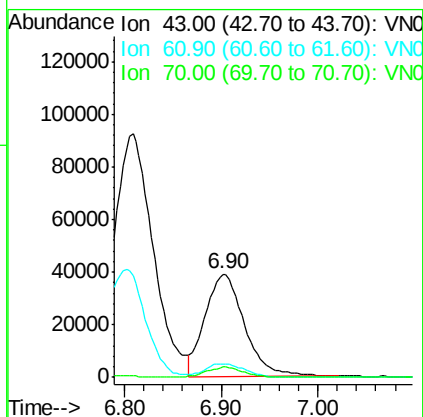
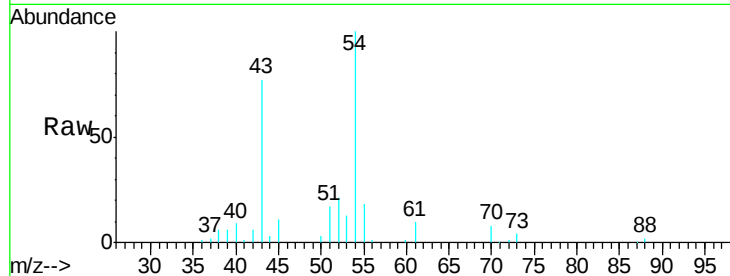




#37
 Ethyl Acetate
 Concen: 22.586 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

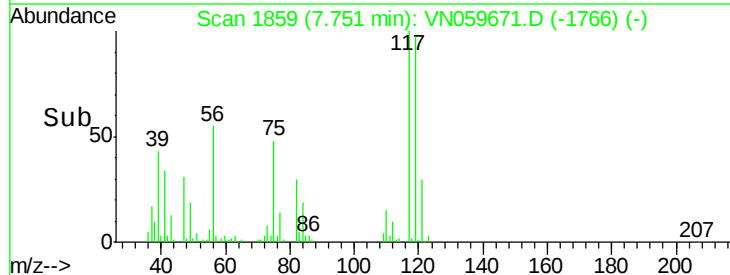
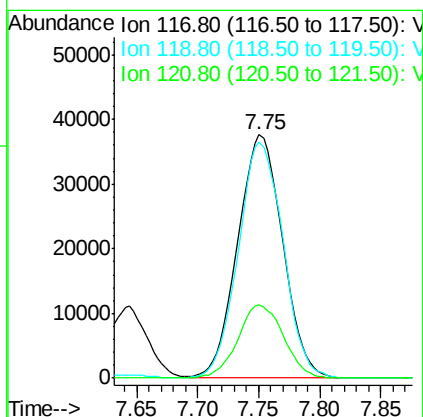
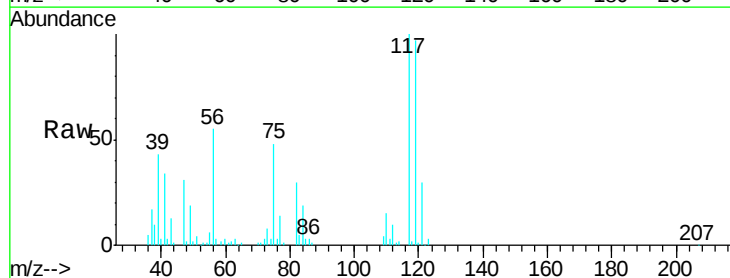
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBSD01

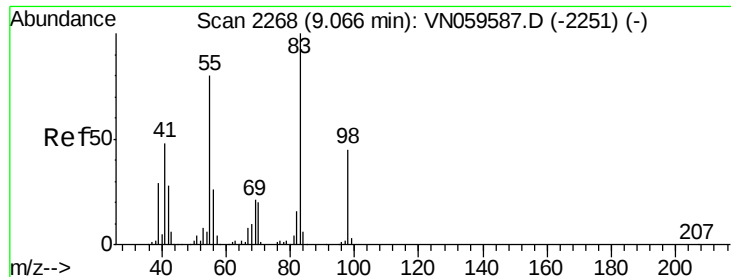
Tgt Ion: 43 Resp: 109982
 Ion Ratio Lower Upper
 43 100
 61 13.6 10.9 16.3
 70 9.5 7.7 11.5



#38
 Carbon Tetrachloride
 Concen: 22.147 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion: 117 Resp: 96287
 Ion Ratio Lower Upper
 117 100
 119 97.0 76.5 114.7
 121 30.1 25.1 37.7

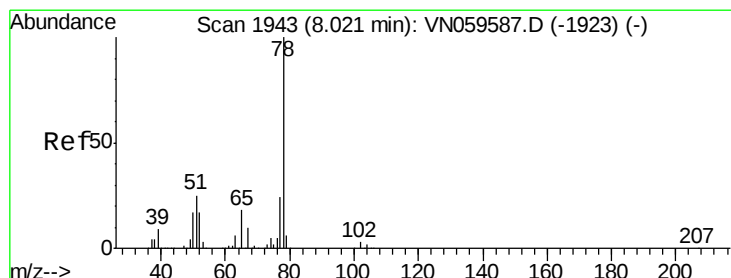
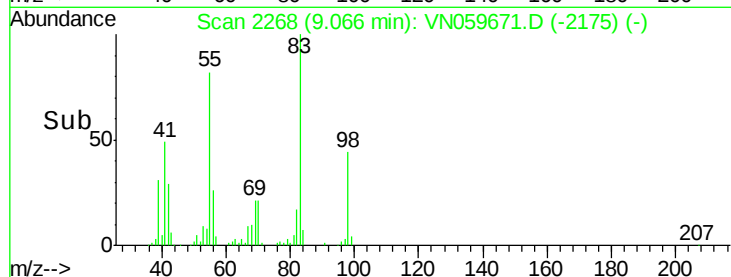
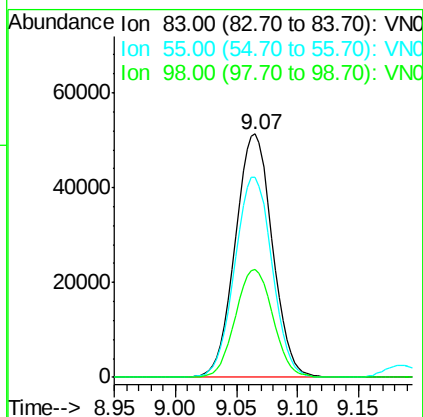
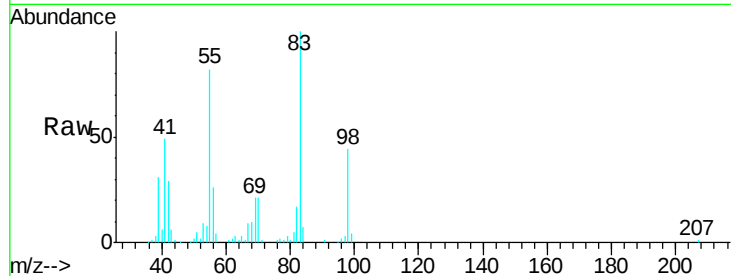




#39
Methylcyclohexane
Concen: 22.724 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

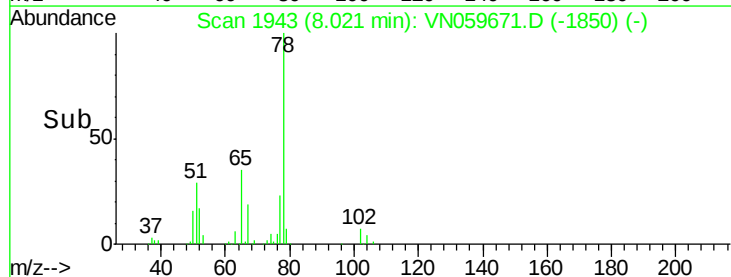
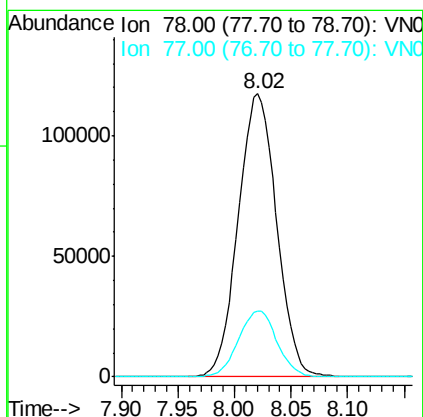
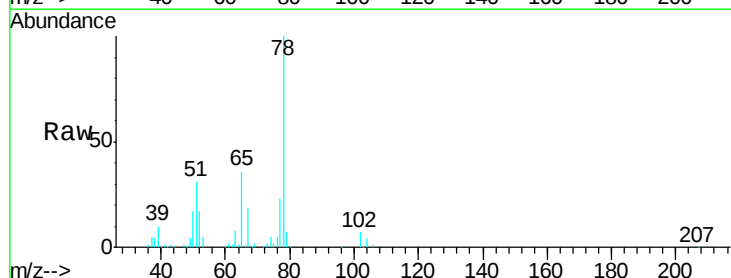
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

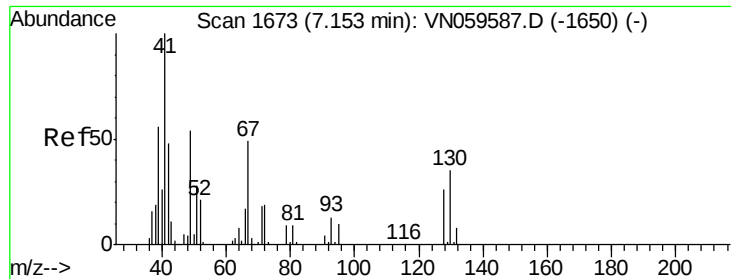
Tgt Ion: 83 Resp: 107991
Ion Ratio Lower Upper
83 100
55 82.2 64.2 96.2
98 44.4 35.9 53.9



#40
Benzene
Concen: 22.691 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 78 Resp: 277828
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3

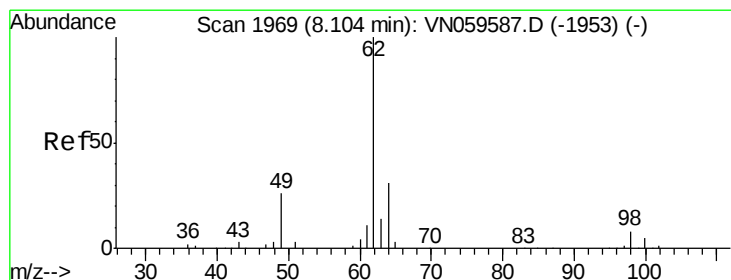
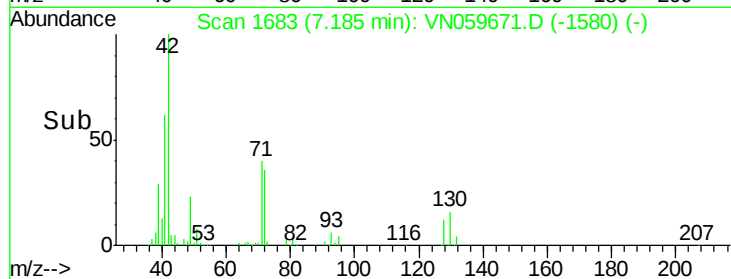
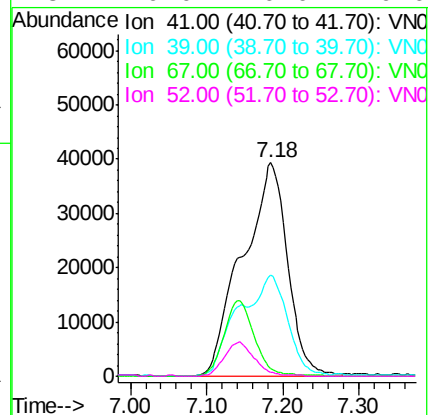
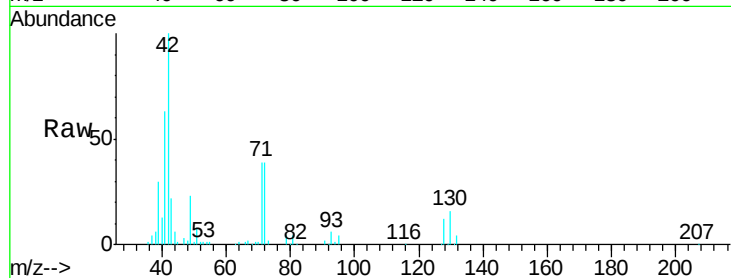




#41
Methacrylonitrile
Concen: 80.519 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

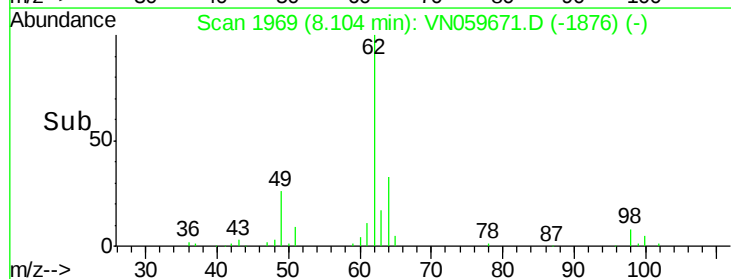
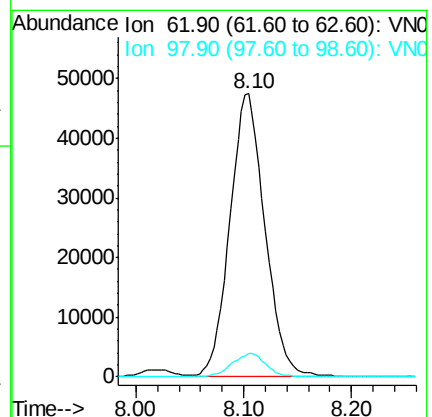
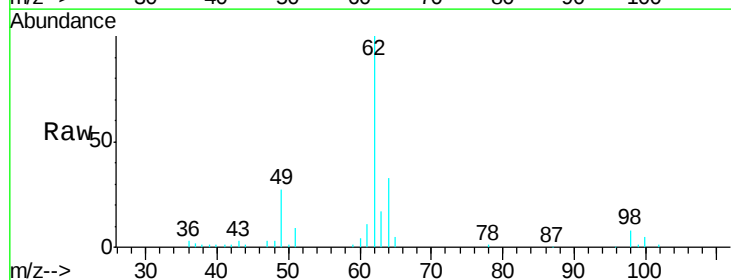
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

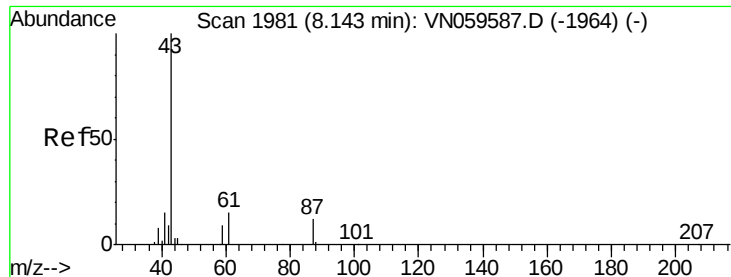
Tgt Ion:	41	Resp:	161816
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 22.937 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion:	62	Resp:	107552
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 22.948 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

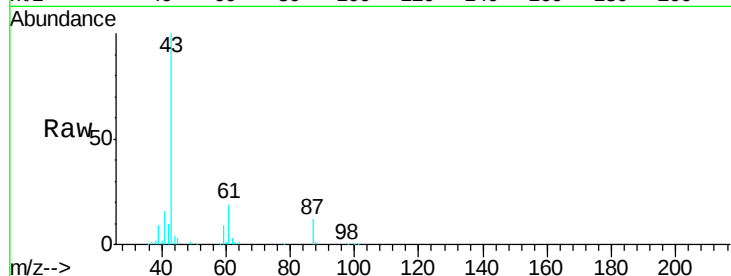
Tgt Ion: 43 Resp: 173738

Ion Ratio Lower Upper

43 100

61 25.4 20.2 30.2

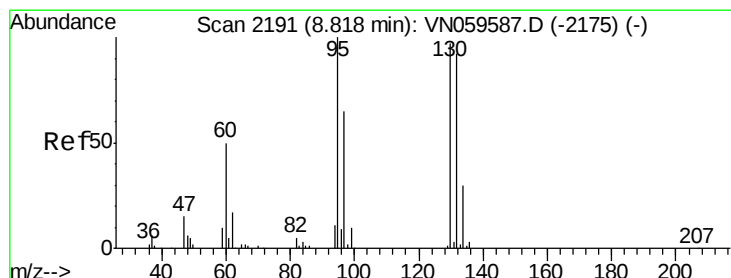
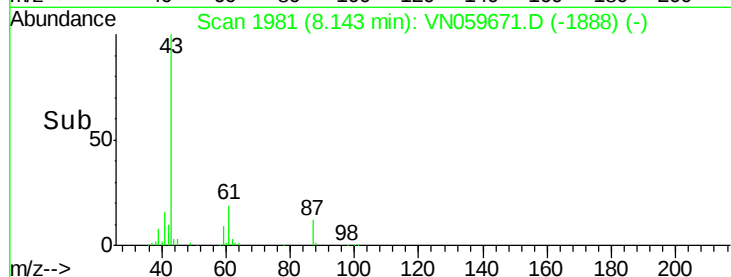
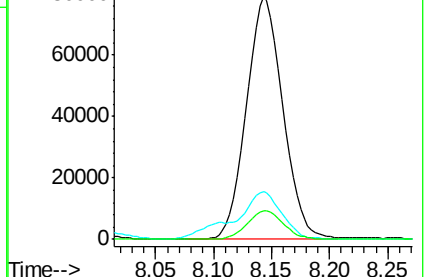
87 11.7 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)



#44

Trichloroethene

Concen: 22.140 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059671.D

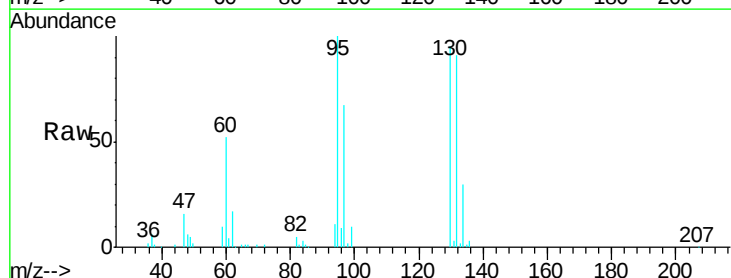
Acq: 19 Dec 2019 15:03

Tgt Ion: 130 Resp: 71006

Ion Ratio Lower Upper

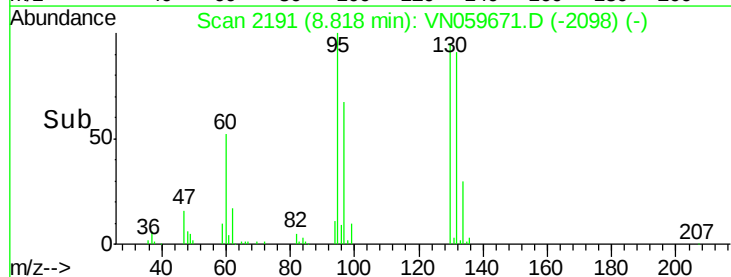
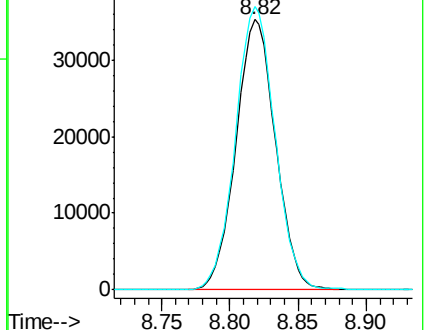
130 100

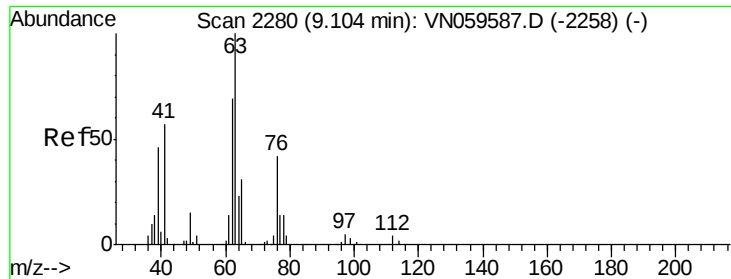
95 104.8 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059587.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059587.D (-2175) (-)

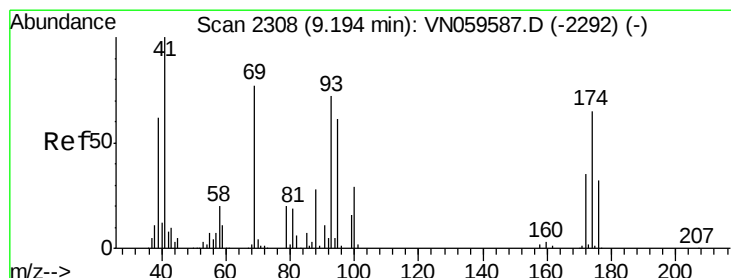
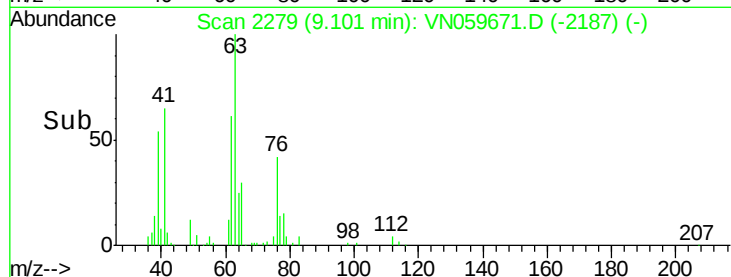
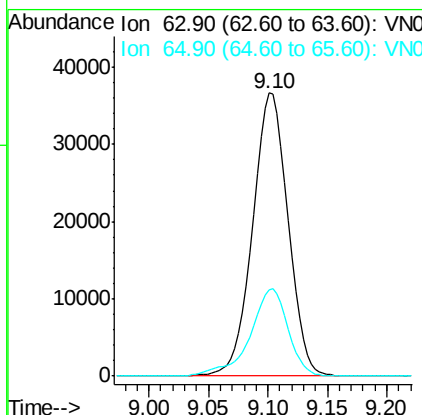
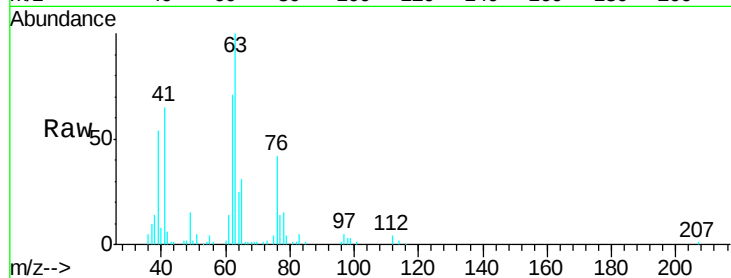




#45
 1,2-Dichloropropane
 Concen: 22.876 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

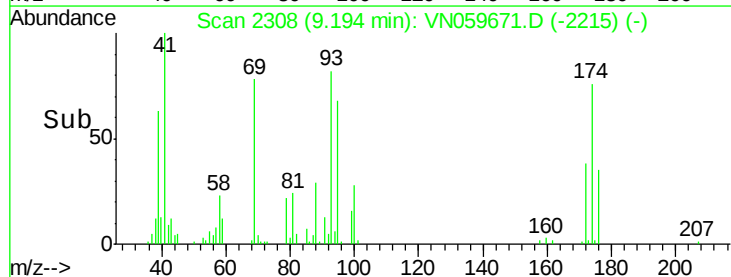
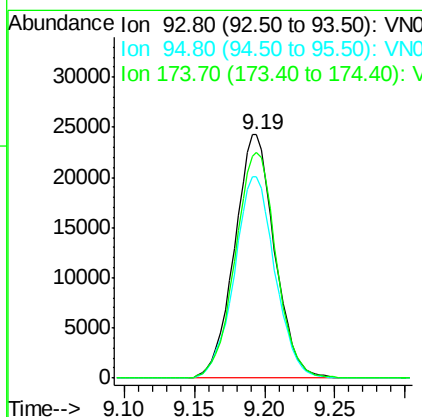
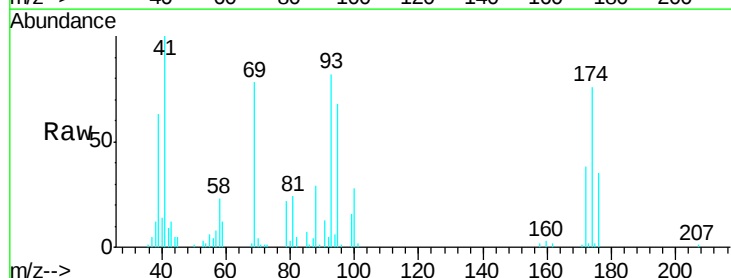
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

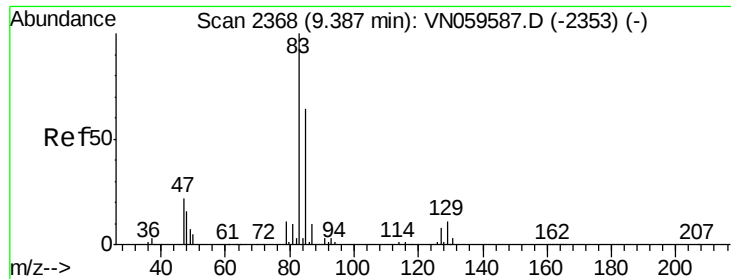
Tgt Ion: 63 Resp: 75637
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.9 37.3



#46
 Dibromomethane
 Concen: 22.302 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion: 93 Resp: 48309
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 94.2 73.4 110.2





#47

Bromodichloromethane

Concen: 22.873 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

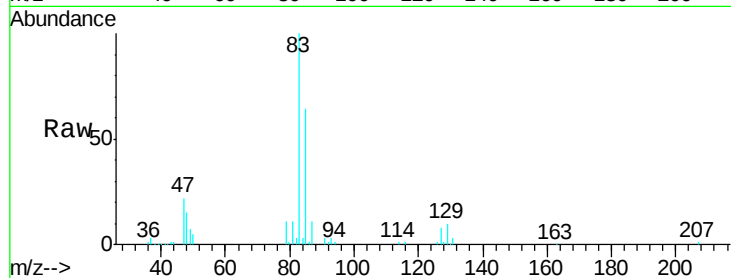
Tgt Ion: 83 Resp: 98782

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

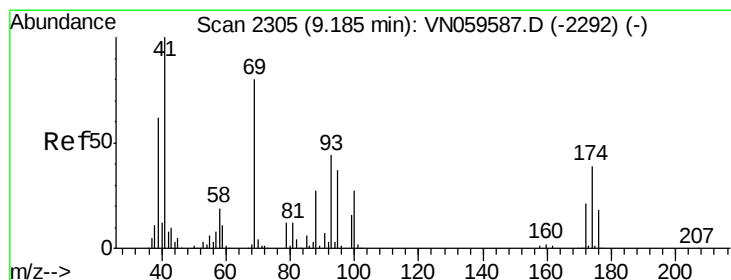
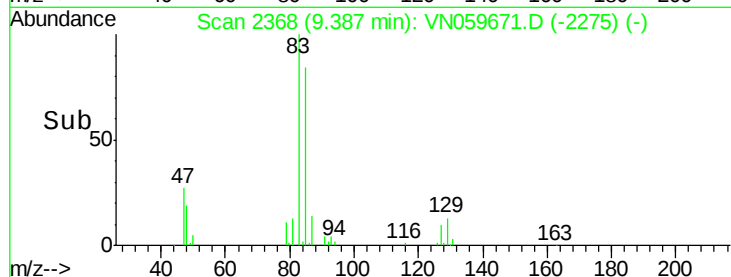
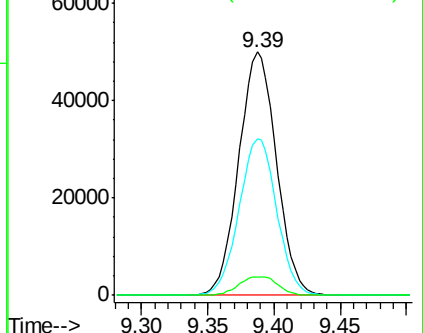
127 7.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059671.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059671.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059671.D (-2275) (-)



#48

Methyl methacrylate

Concen: 22.260 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

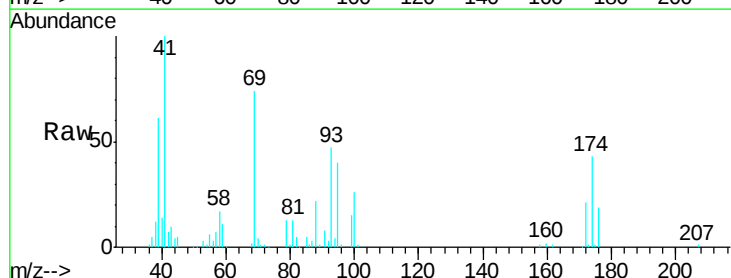
Tgt Ion: 41 Resp: 76460

Ion Ratio Lower Upper

41 100

69 78.9 64.4 96.6

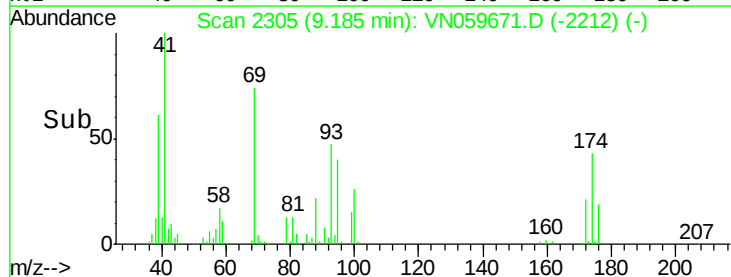
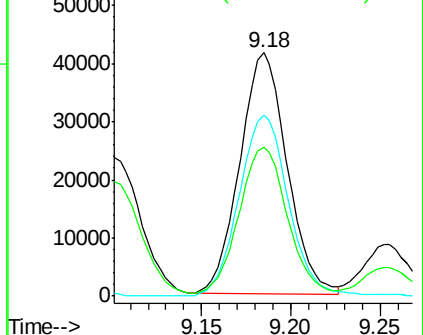
39 63.6 51.3 76.9

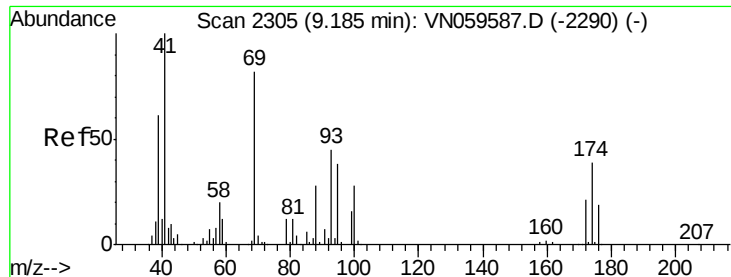


Abundance Ion 41.00 (40.70 to 41.70): VN059671.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059671.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059671.D (-2212) (-)

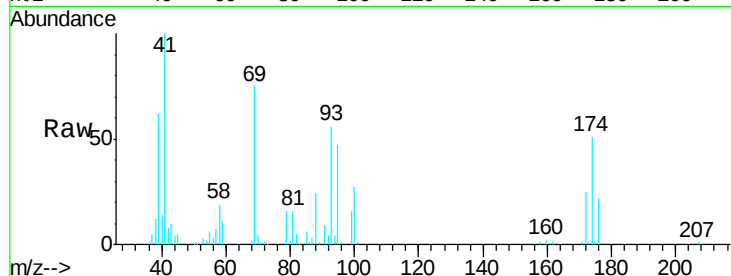




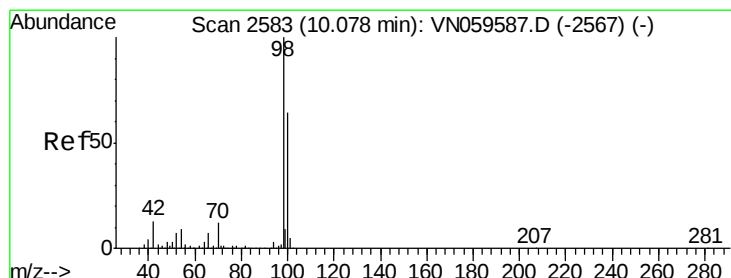
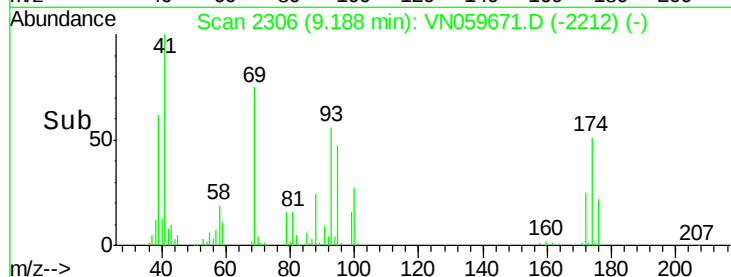
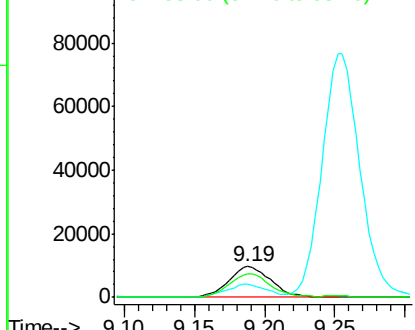
#49
1,4-Dioxane
Concen: 407.647 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion: 88 Resp: 20066
Ion Ratio Lower Upper
88 100
43 41.2 29.7 44.5
58 77.1 56.6 85.0

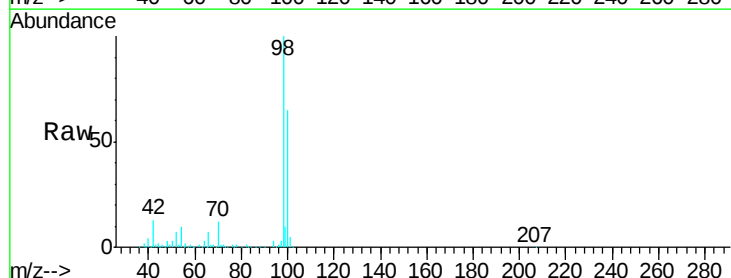


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

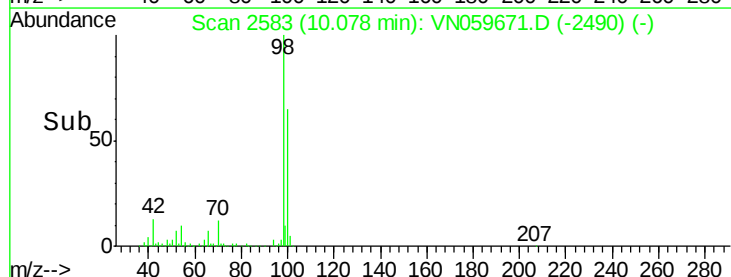
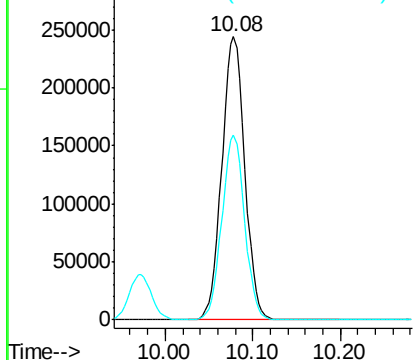


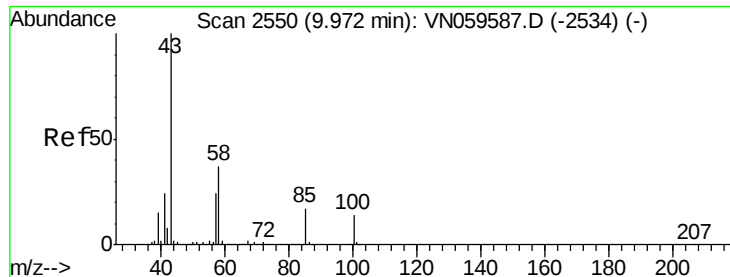
#50
Toluene-d8
Concen: 44.627 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 98 Resp: 444141
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 118.570 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

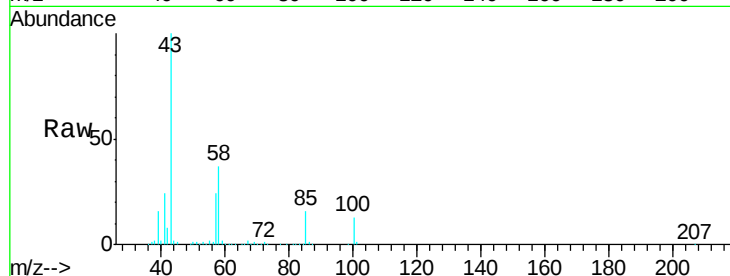
VN1219WBSD01

Tgt Ion: 43 Resp: 535217

Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

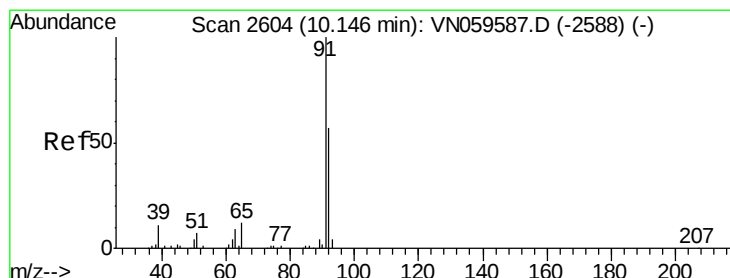
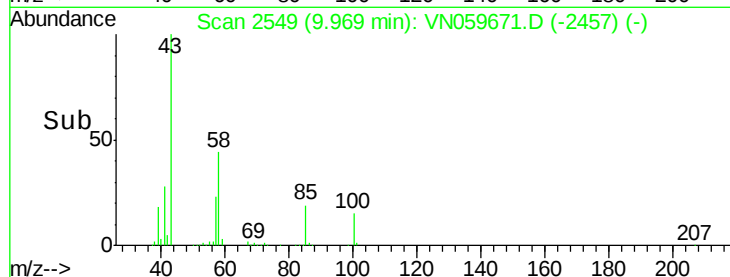
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 22.125 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059671.D

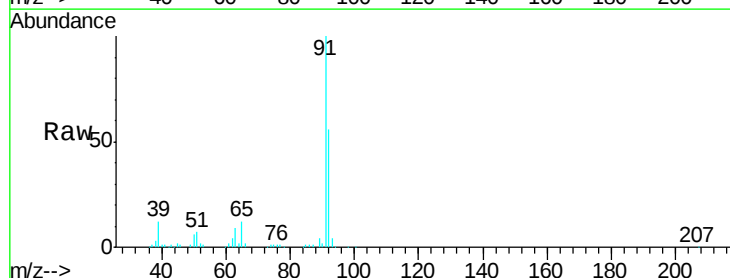
Acq: 19 Dec 2019 15:03

Tgt Ion: 92 Resp: 166446

Ion Ratio Lower Upper

92 100

91 177.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

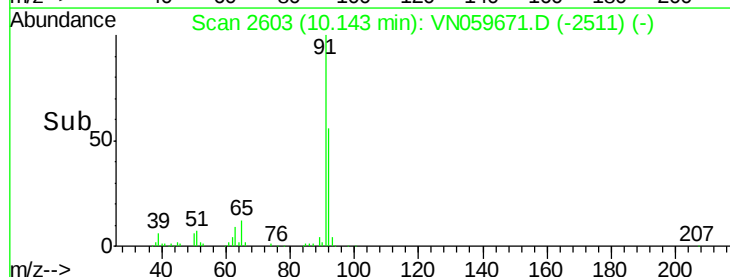
150000

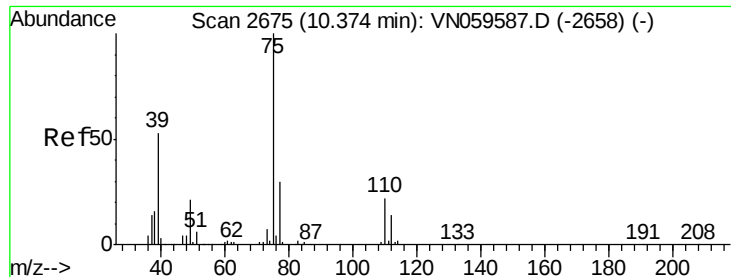
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.526 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

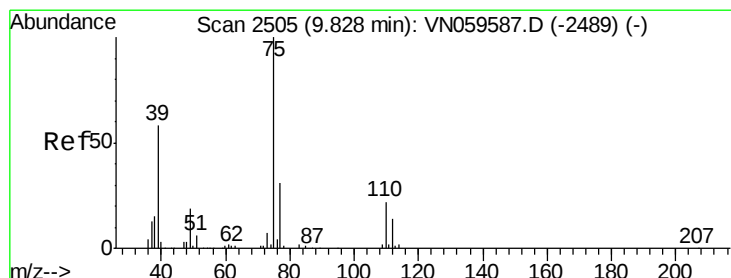
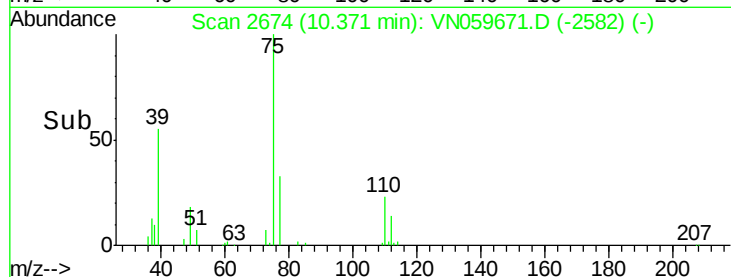
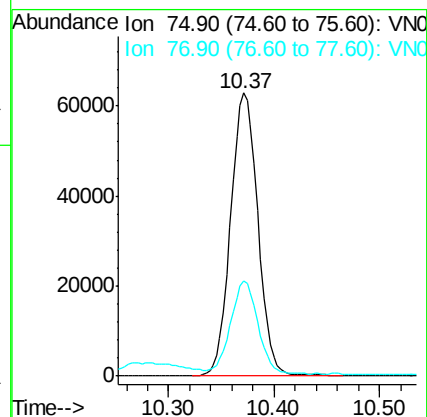
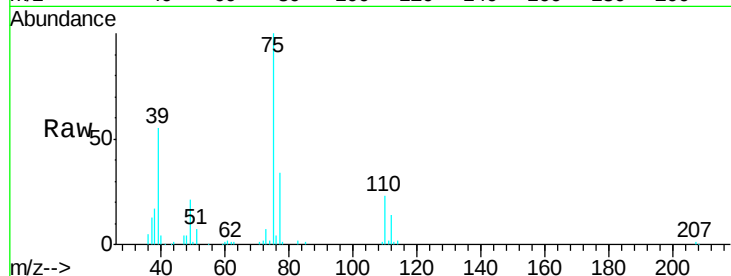
VN1219WBSD01

Tgt Ion: 75 Resp: 112513

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 22.381 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

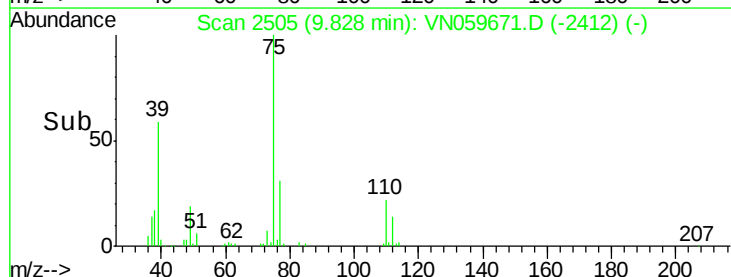
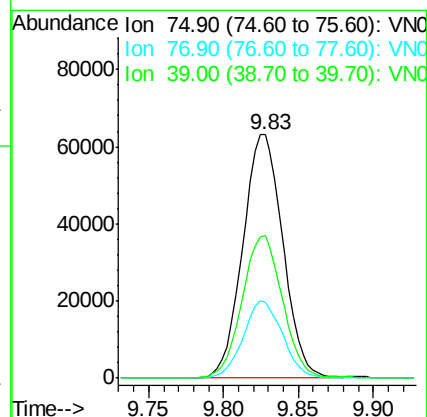
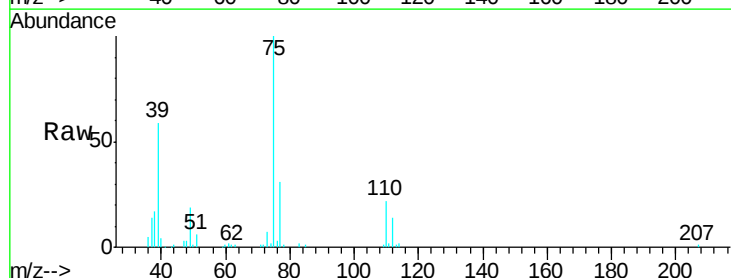
Tgt Ion: 75 Resp: 117506

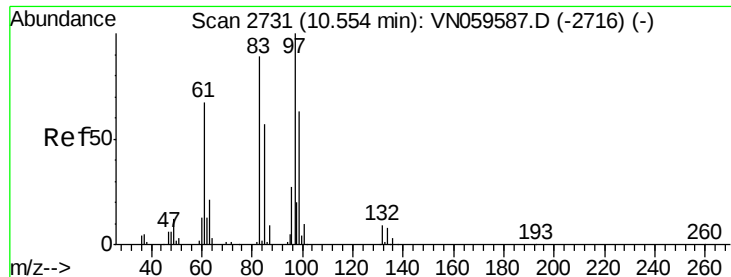
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 58.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 22.883 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion: 97 Resp: 67554

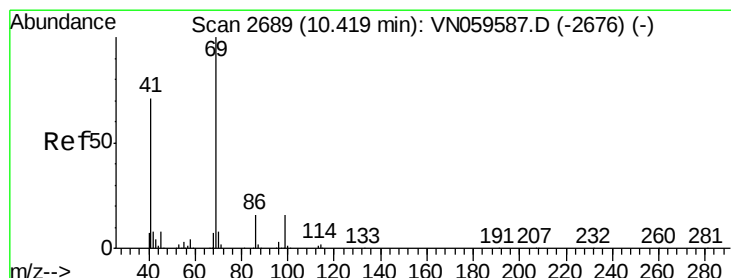
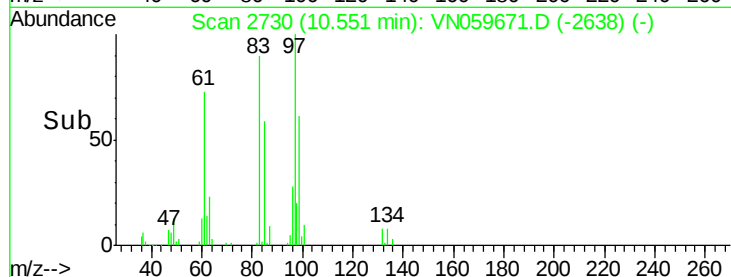
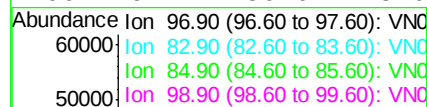
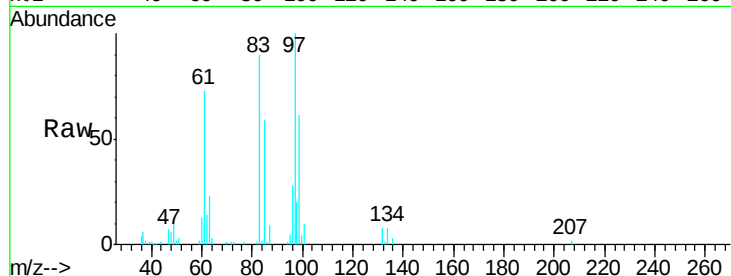
Ion Ratio Lower Upper

97 100

83 90.0 71.3 106.9

85 59.4 45.8 68.8

99 61.2 50.0 75.0



#56

Ethyl methacrylate

Concen: 22.563 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

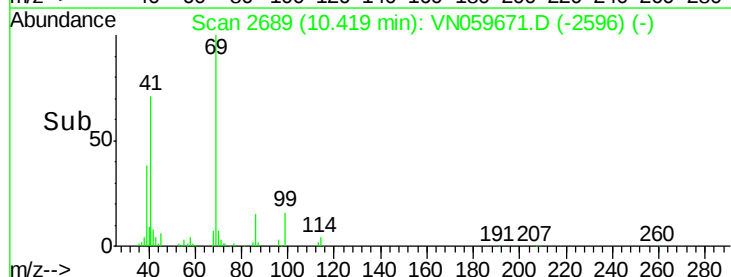
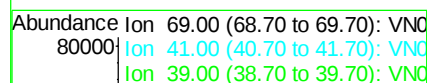
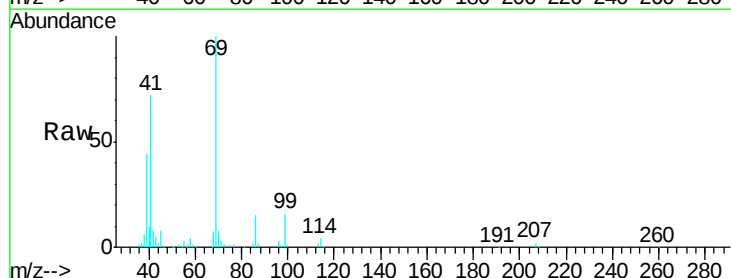
Tgt Ion: 69 Resp: 98883

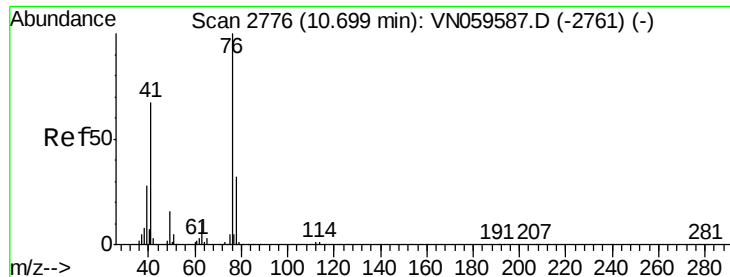
Ion Ratio Lower Upper

69 100

41 71.6 57.1 85.7

39 42.9 34.7 52.1





#57

1,3-Dichloropropane

Concen: 23.309 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

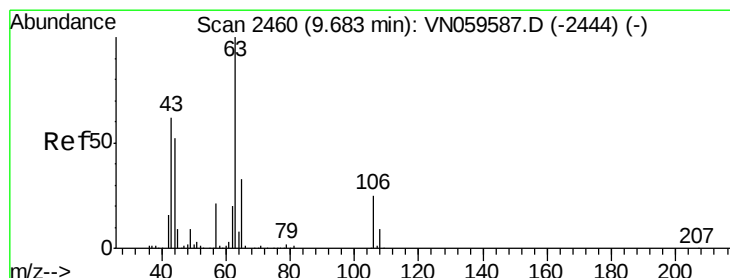
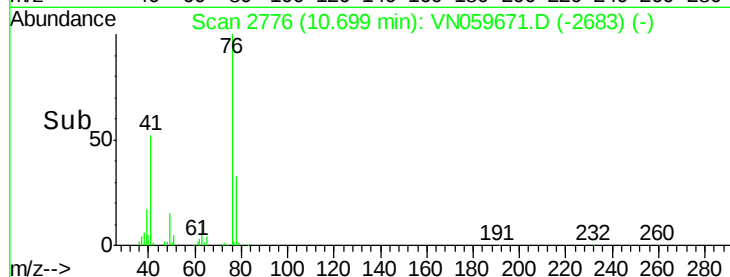
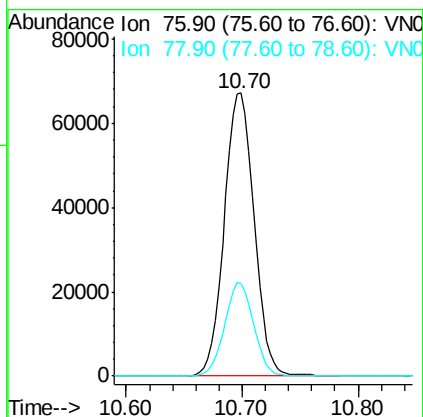
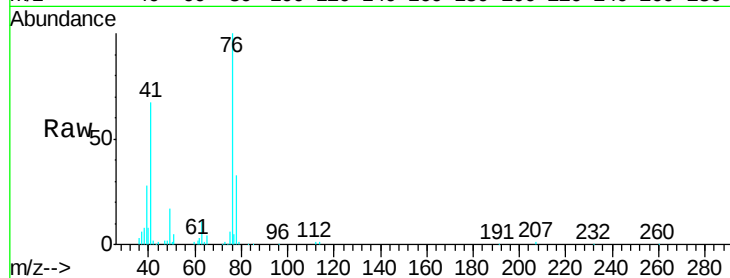
VN1219WBSD01

Tgt Ion: 76 Resp: 119810

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 114.798 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059671.D

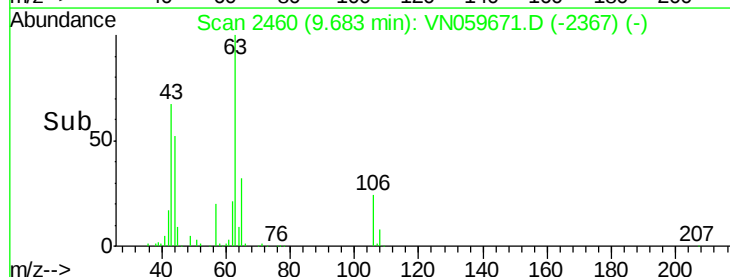
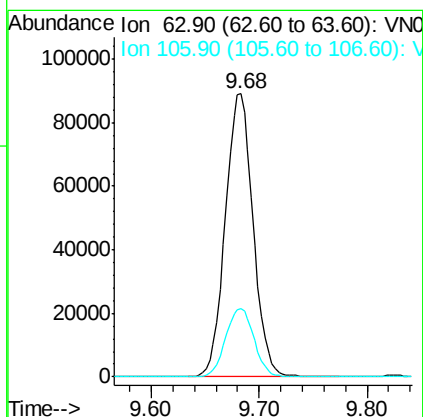
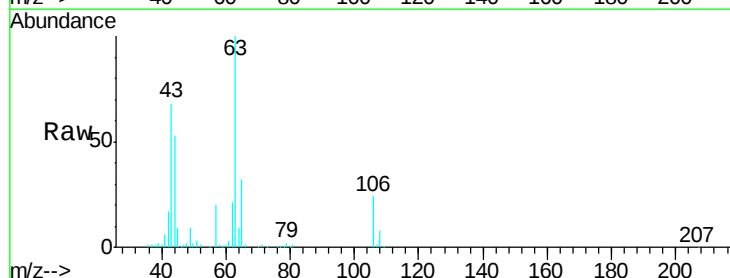
Acq: 19 Dec 2019 15:03

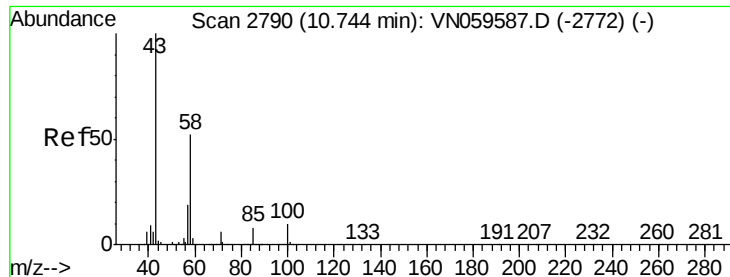
Tgt Ion: 63 Resp: 160006

Ion Ratio Lower Upper

63 100

106 24.7 20.2 30.2

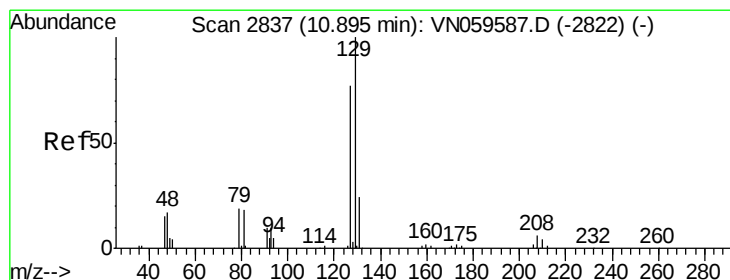
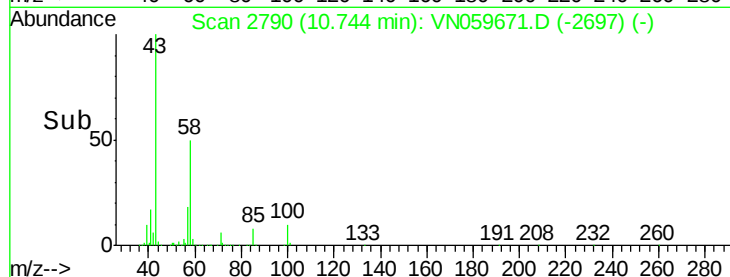
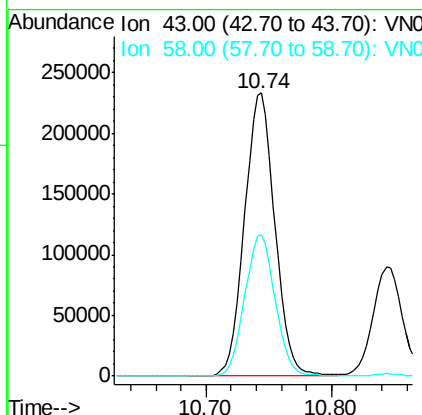
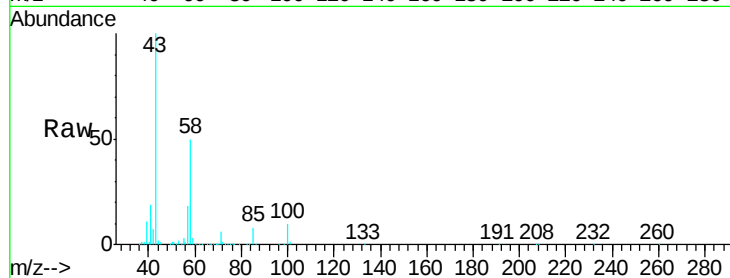




#59
2-Hexanone
Concen: 110.267 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

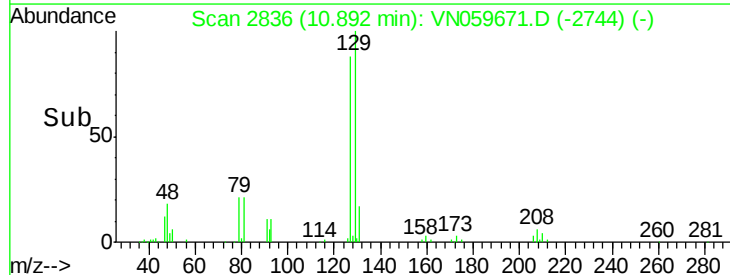
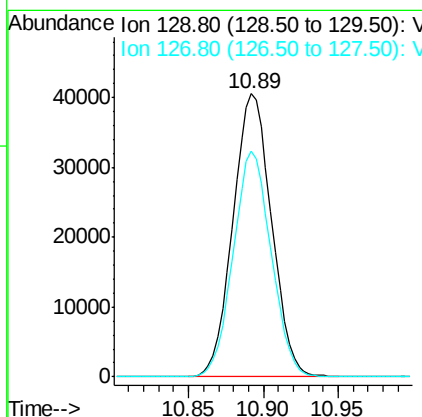
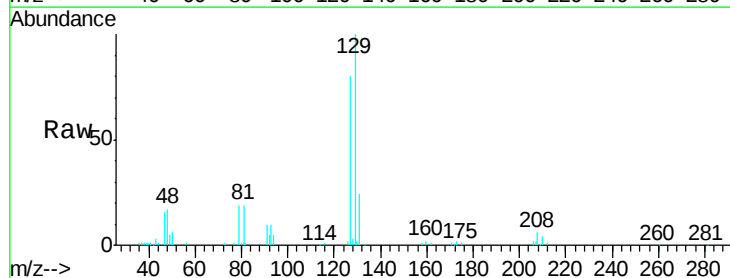
Instrument :
MSVOA_N
ClientSampled :
VN1219WBSD01

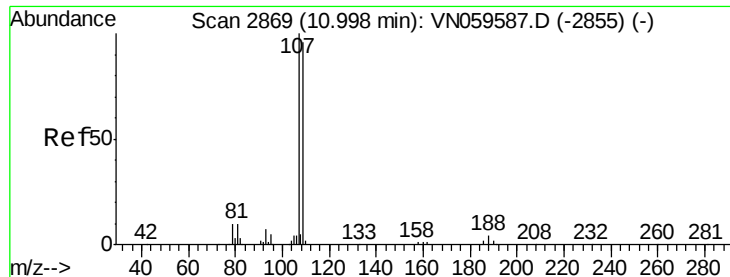
Tgt Ion: 43 Resp: 392282
Ion Ratio Lower Upper
43 100
58 50.3 25.8 77.3



#60
Dibromochloromethane
Concen: 22.566 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion: 129 Resp: 72708
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.927 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

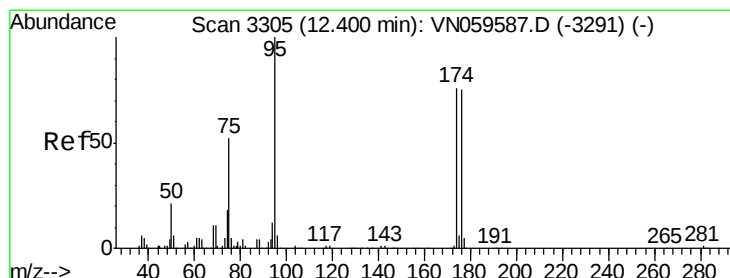
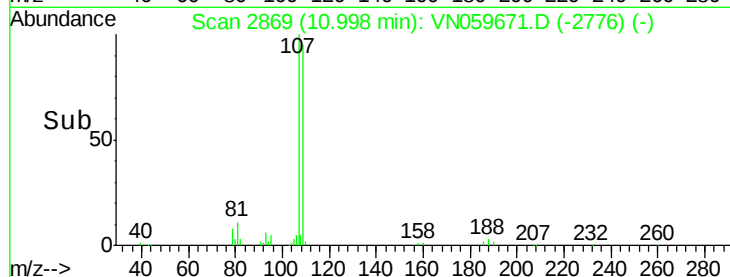
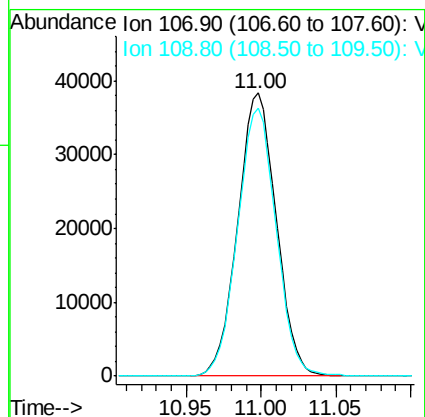
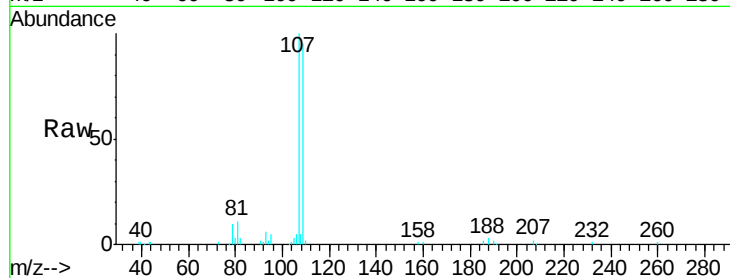
VN1219WBSD01

Tgt Ion: 107 Resp: 68649

Ion Ratio Lower Upper

107 100

109 95.0 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 42.993 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

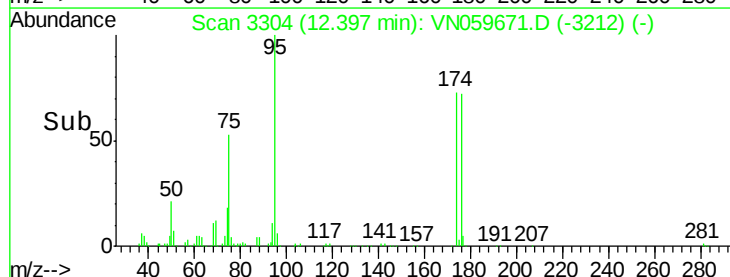
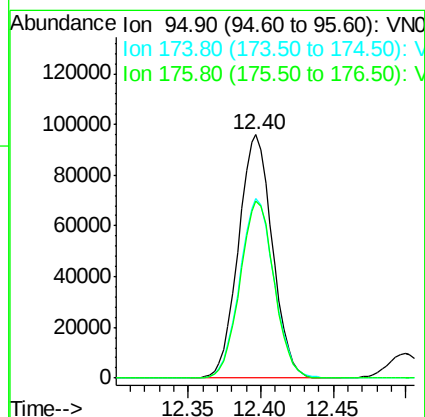
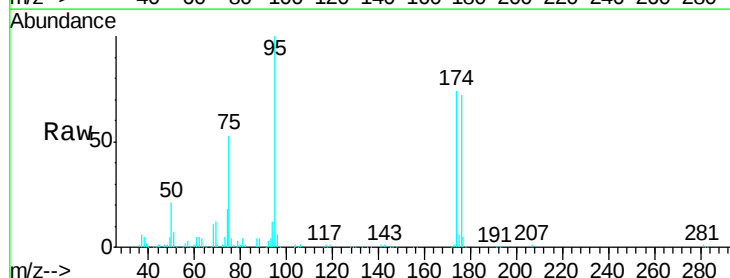
Tgt Ion: 95 Resp: 156127

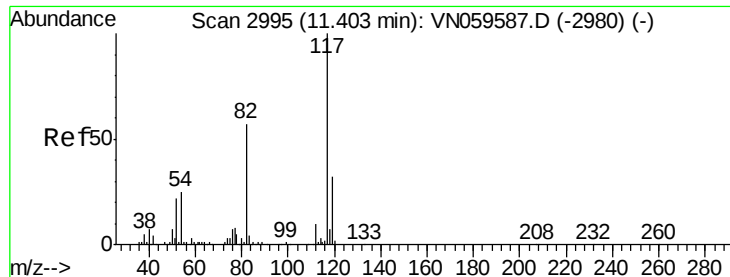
Ion Ratio Lower Upper

95 100

174 74.8 0.0 151.4

176 73.0 0.0 146.0

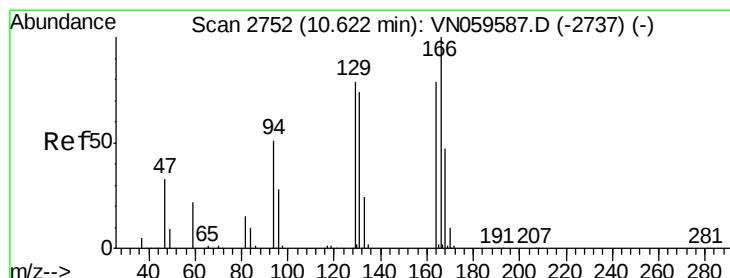
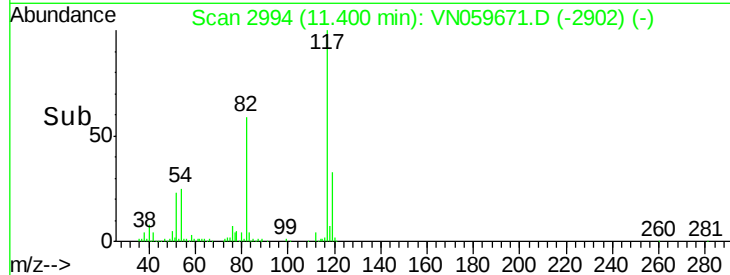
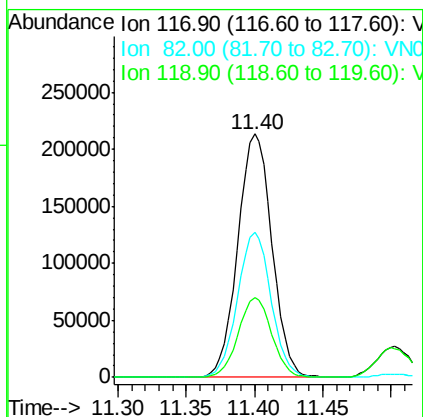
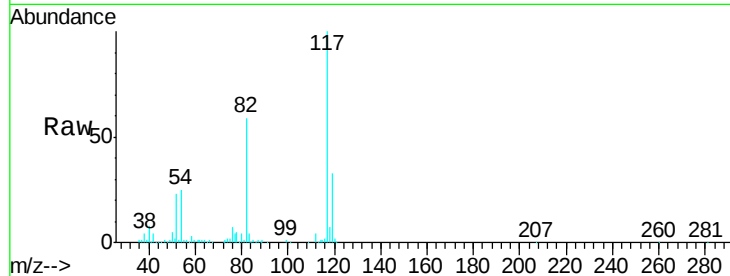




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

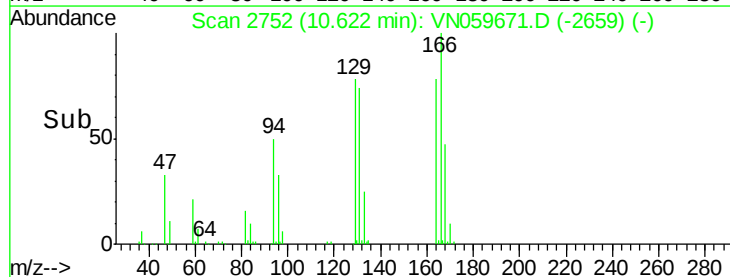
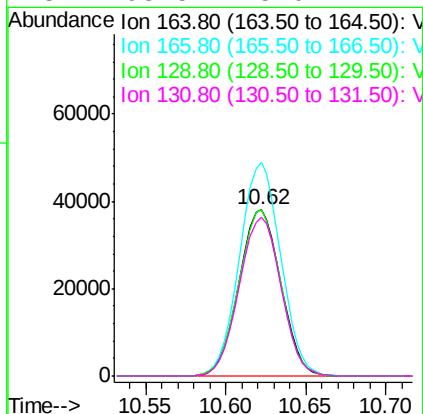
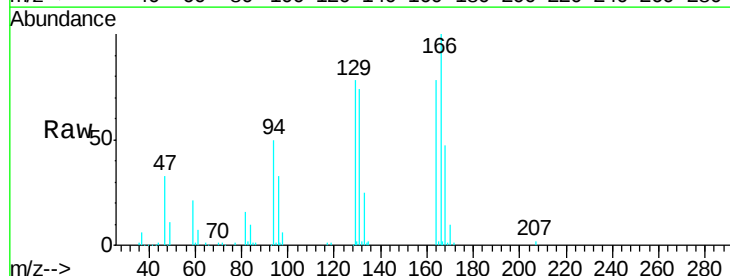
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

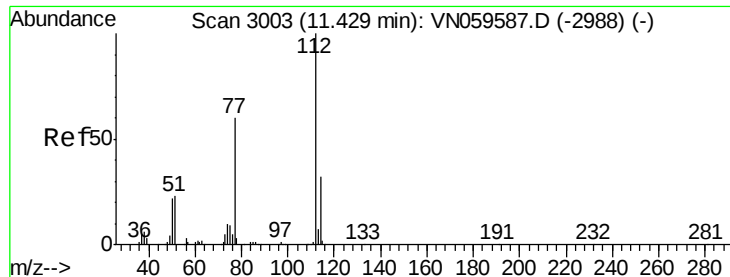
Tgt Ion:117 Resp: 371236
Ion Ratio Lower Upper
117 100
82 59.5 45.9 68.9
119 32.8 25.5 38.3



#64
Tetrachloroethene
Concen: 19.640 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion:164 Resp: 67968
Ion Ratio Lower Upper
164 100
166 128.4 101.4 152.0
129 99.7 80.2 120.4
131 95.5 75.0 112.4





#65

Chlorobenzene

Concen: 21.967 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

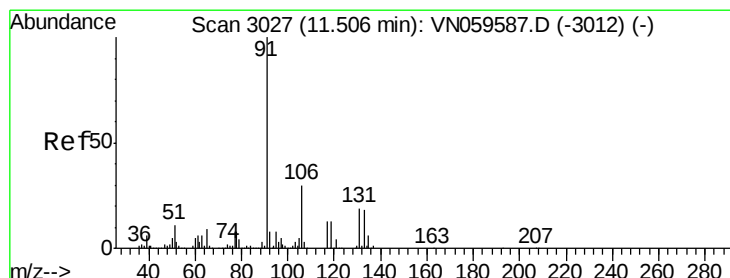
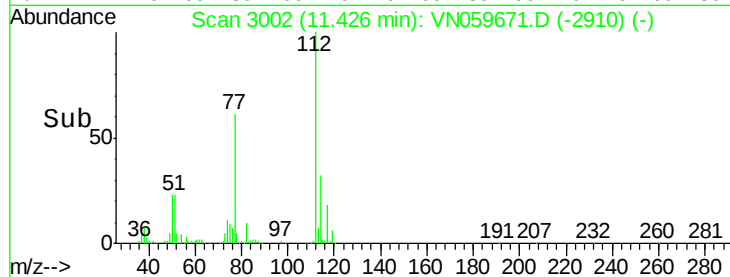
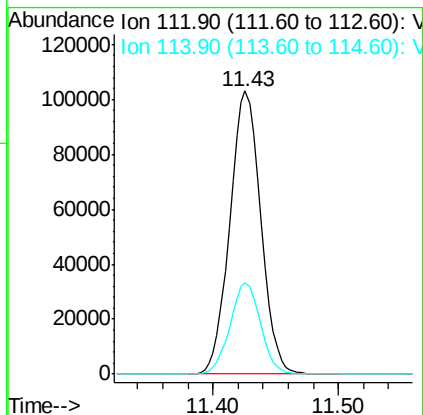
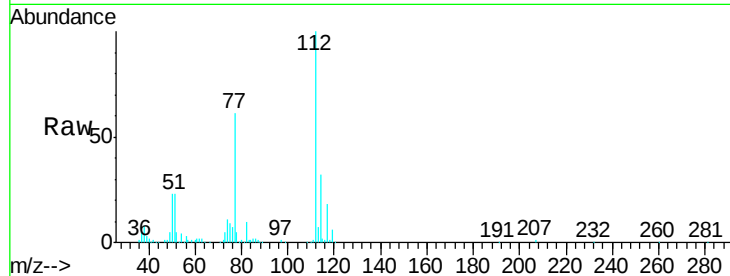
VN1219WBSD01

Tgt Ion:112 Resp: 176455

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 22.272 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

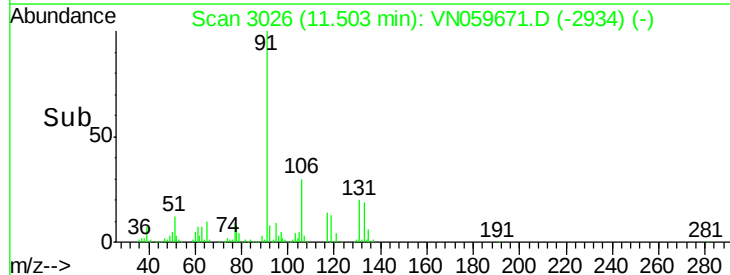
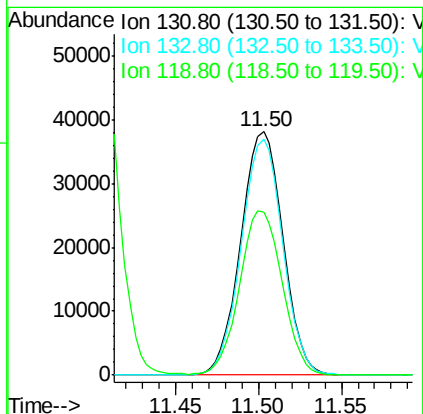
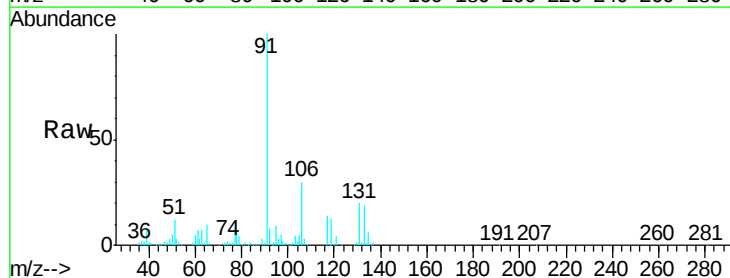
Tgt Ion:131 Resp: 67954

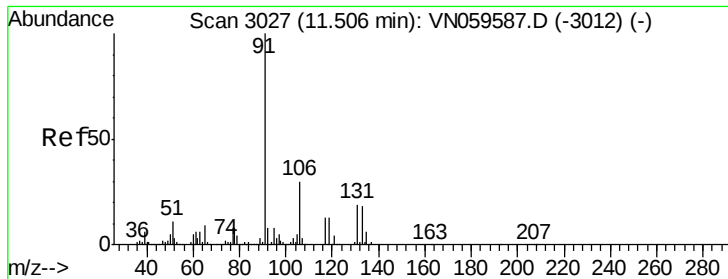
Ion Ratio Lower Upper

131 100

133 95.3 47.4 142.2

119 67.9 33.1 99.3





#67

Ethyl Benzene

Concen: 22.338 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

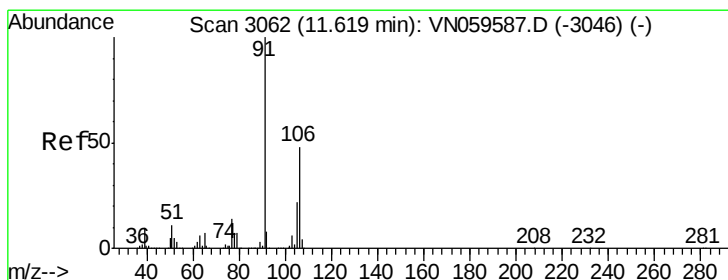
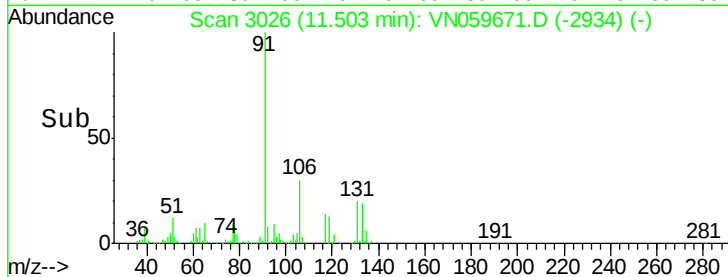
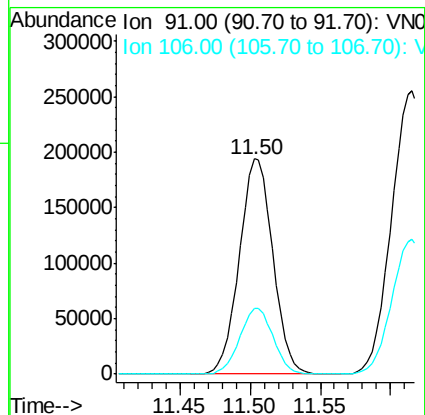
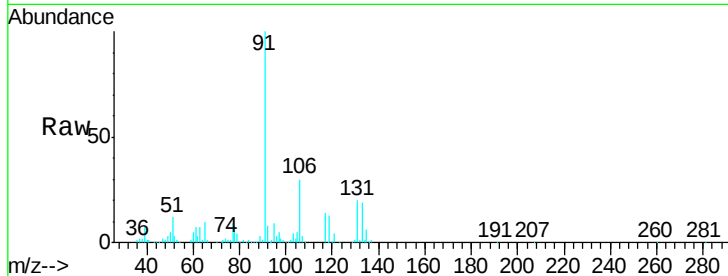
VN1219WBSD01

Tgt Ion: 91 Resp: 323885

Ion Ratio Lower Upper

91 100

106 30.3 24.1 36.1



#68

m/p-Xylenes

Concen: 43.933 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059671.D

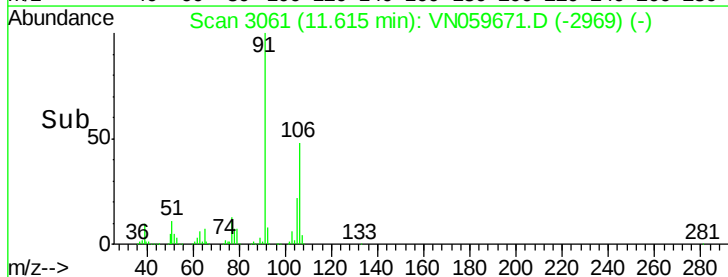
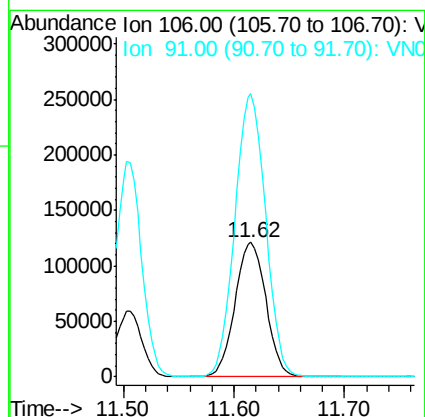
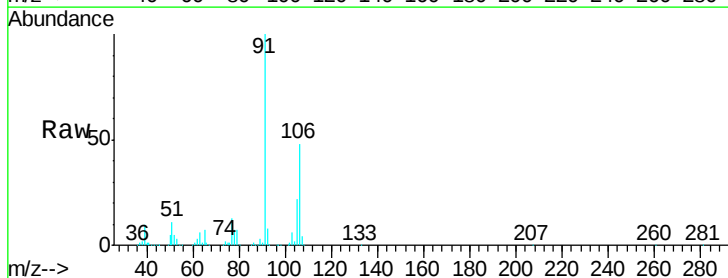
Acq: 19 Dec 2019 15:03

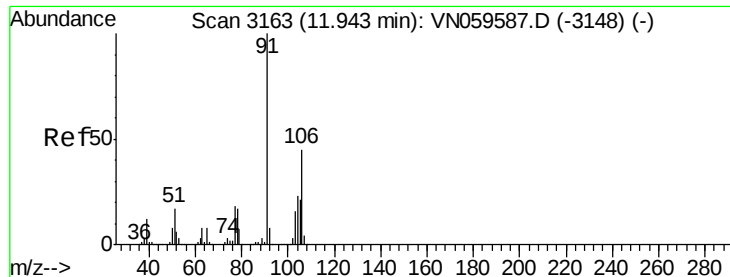
Tgt Ion: 106 Resp: 235222

Ion Ratio Lower Upper

106 100

91 209.6 167.9 251.9

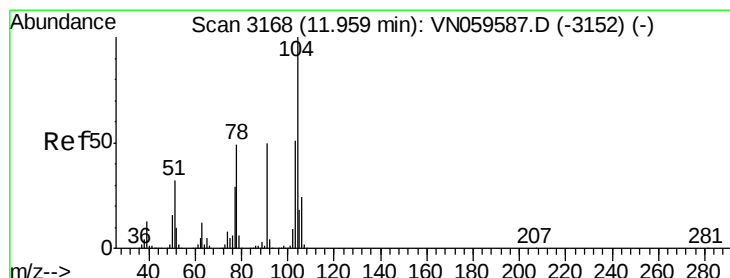
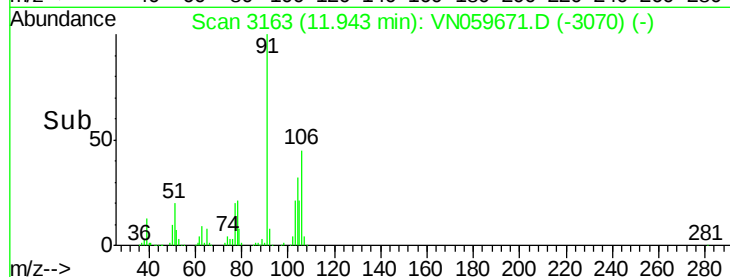
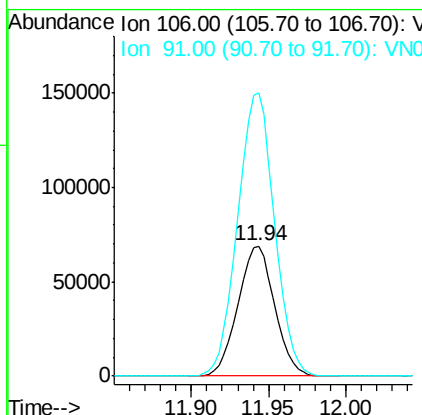
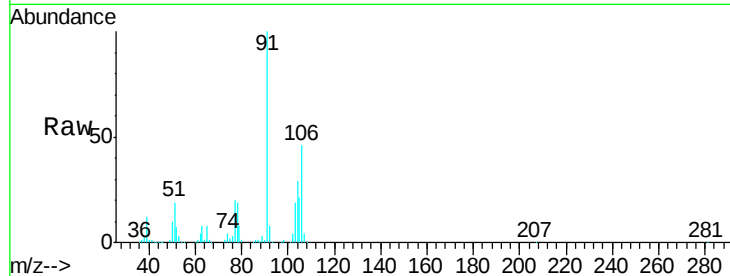




#69
o-Xylene
Concen: 22.269 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

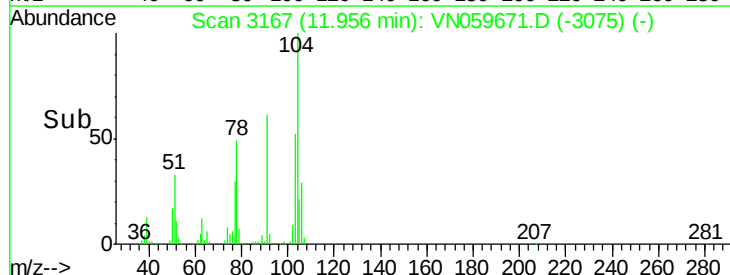
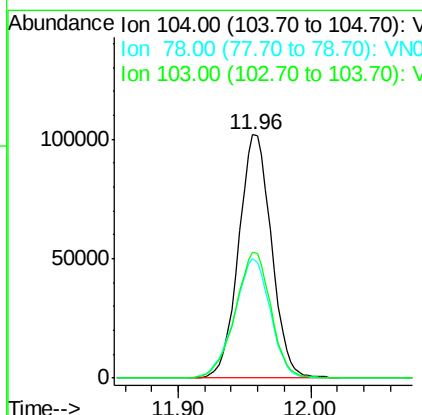
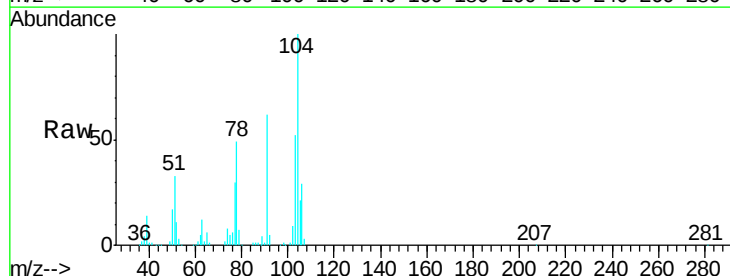
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

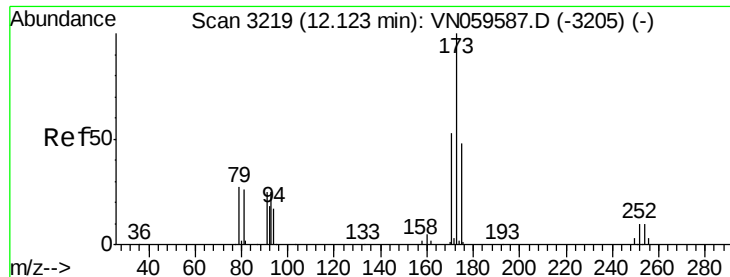
Tgt Ion:106 Resp: 113449
Ion Ratio Lower Upper
106 100
91 219.2 110.3 330.9



#70
Styrene
Concen: 21.442 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion:104 Resp: 175506
Ion Ratio Lower Upper
104 100
78 53.9 42.4 63.6
103 56.3 43.9 65.9





#71

Bromoform

Concen: 22.119 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

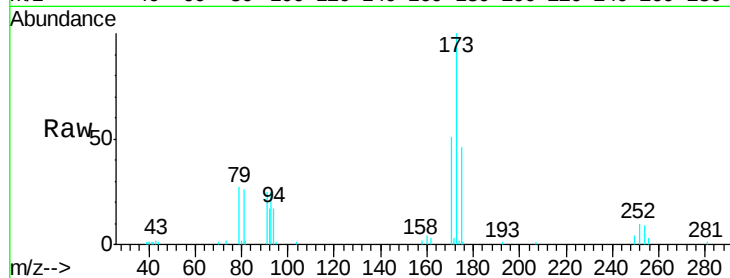
Tgt Ion:173 Resp: 50729

Ion Ratio Lower Upper

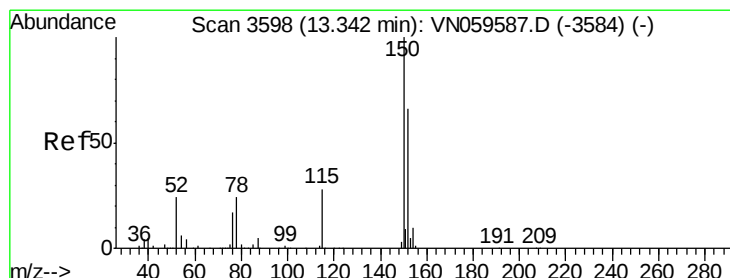
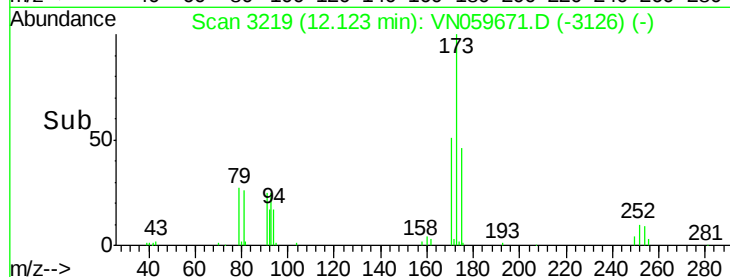
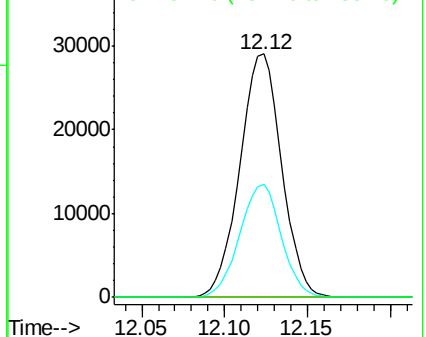
173 100

175 46.4 23.8 71.4

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# 3597

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

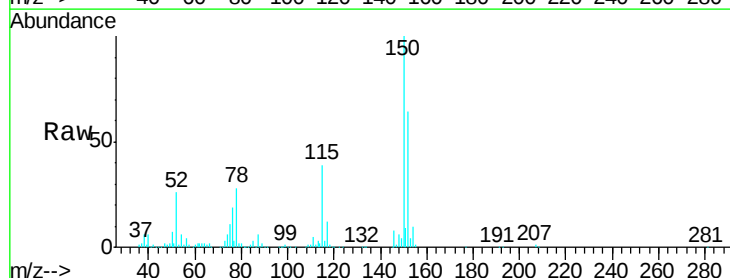
Tgt Ion:152 Resp: 170367

Ion Ratio Lower Upper

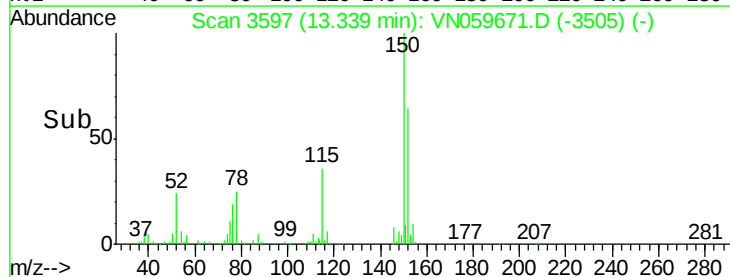
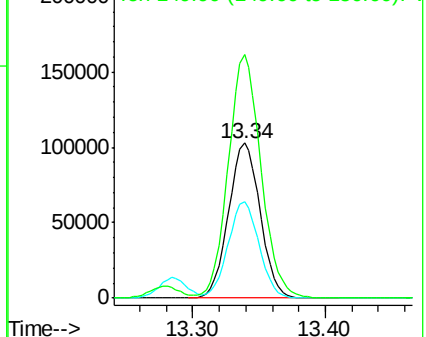
152 100

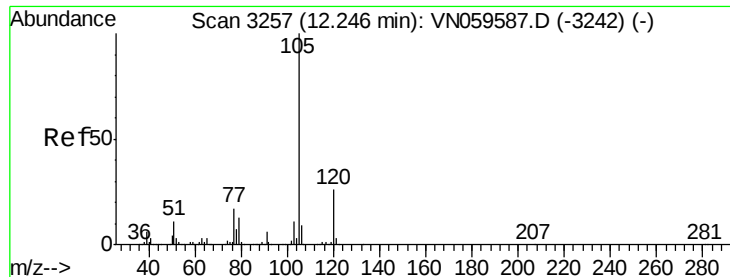
115 60.6 30.3 90.9

150 162.6 0.0 345.2



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: 22.016 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

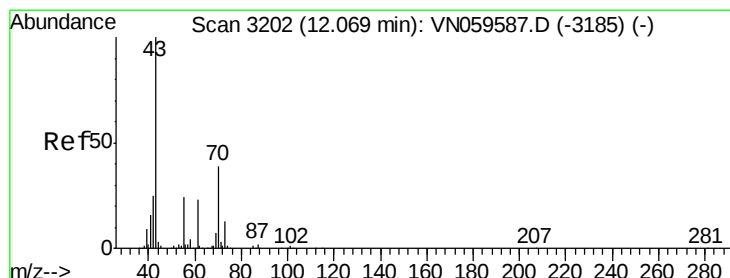
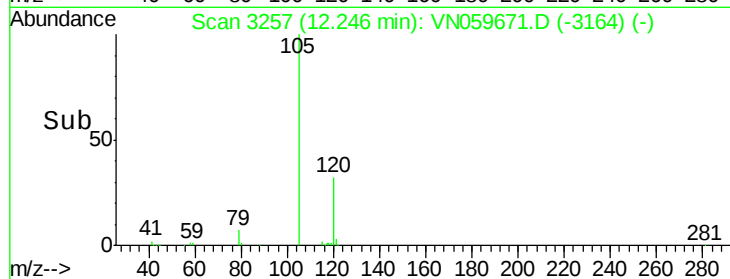
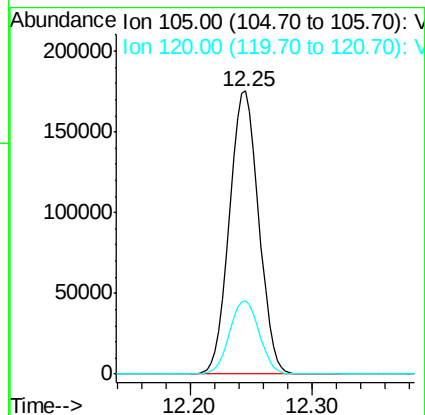
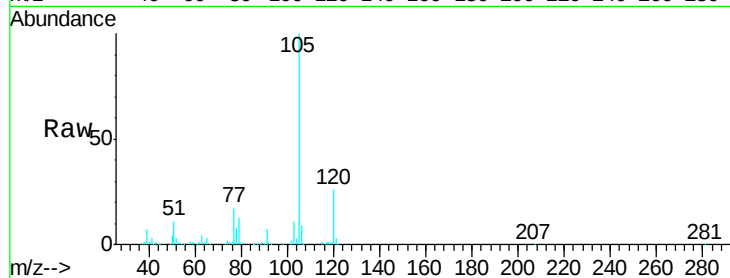
VN1219WBSD01

Tgt Ion: 105 Resp: 294432

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 21.434 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Tgt Ion: 43 Resp: 131491

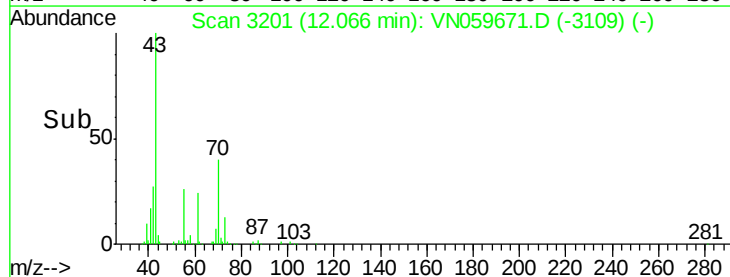
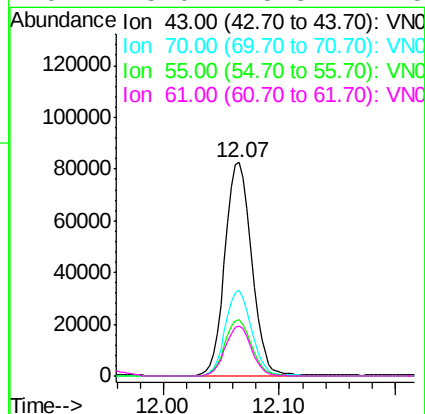
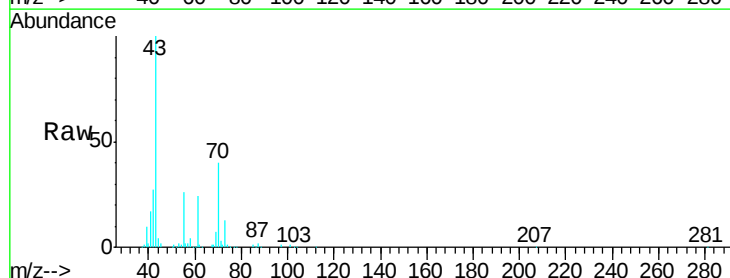
Ion Ratio Lower Upper

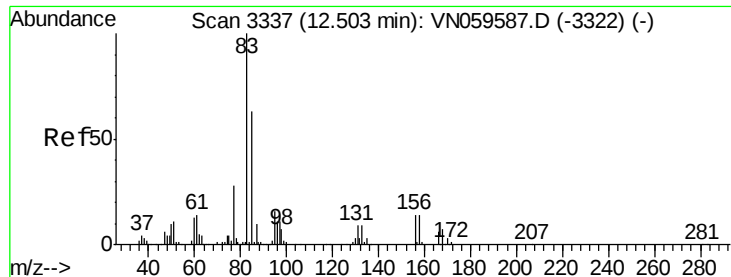
43 100

70 39.5 31.3 46.9

55 26.6 19.8 29.6

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.849 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

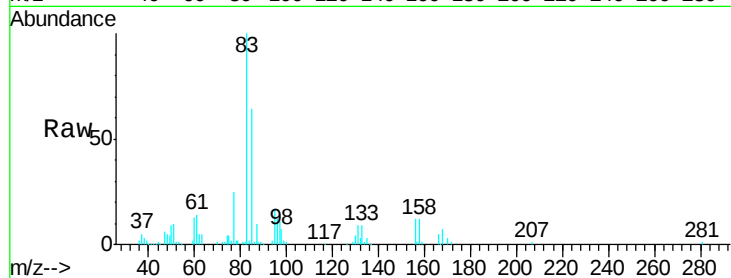
Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion:	83	Resp:	96932
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.2	31.9	95.5

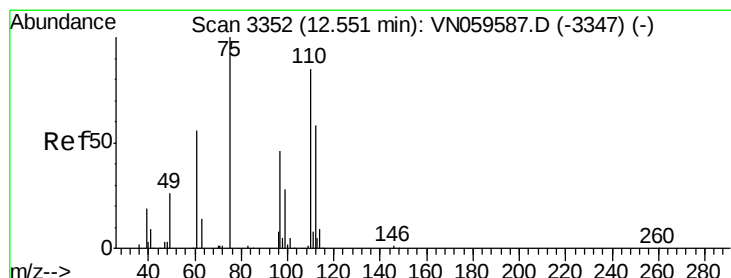
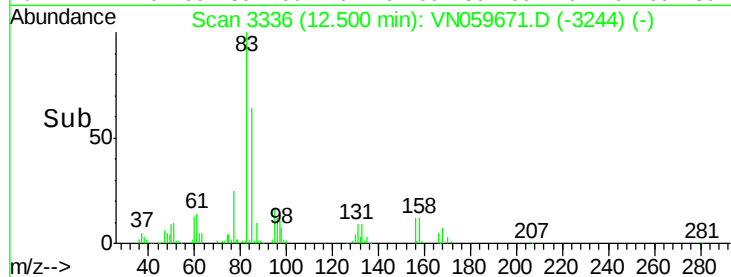
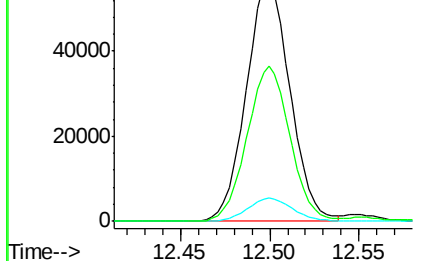


Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059587.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.436 ug/l

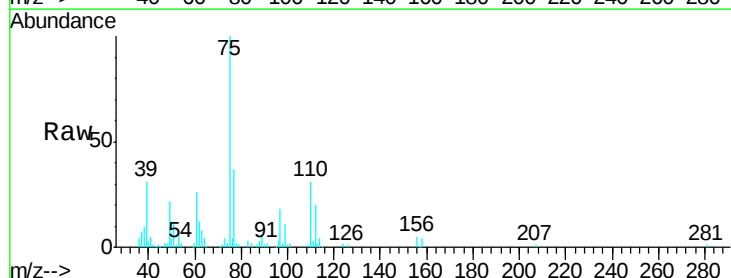
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

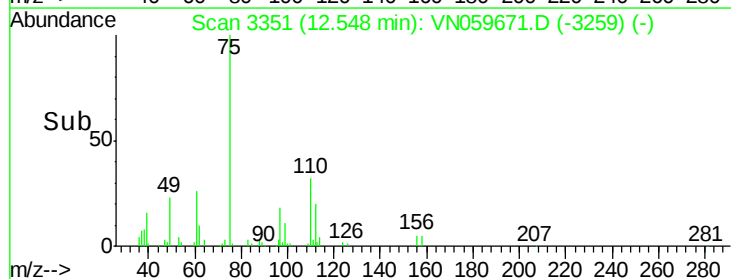
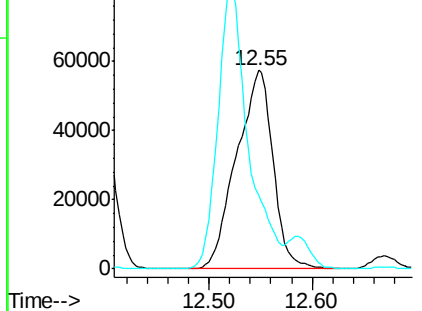
Tgt Ion:	75	Resp:	141019
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

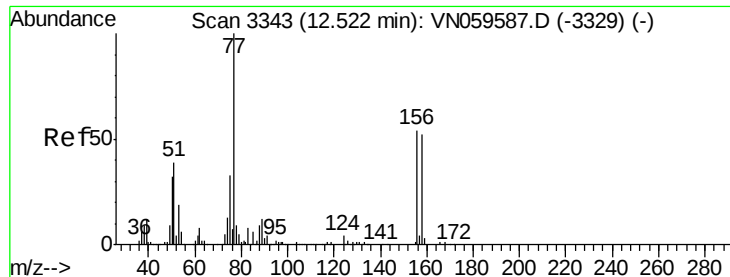


Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059587.D (-3347) (-)

Time-->





#77

Bromobenzene

Concen: 21.773 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampled :

VN1219WBSD01

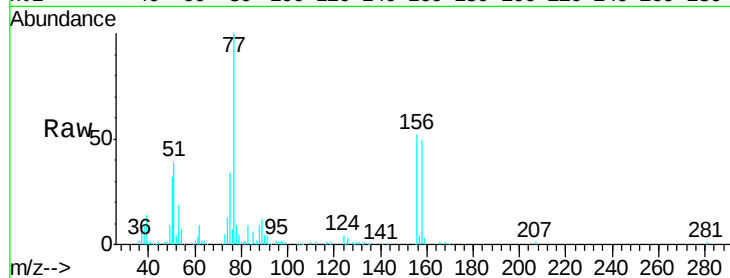
Tgt Ion:156 Resp: 71609

Ion Ratio Lower Upper

156 100

77 233.1 115.8 347.4

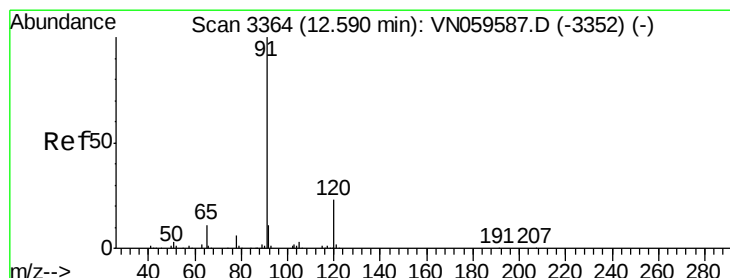
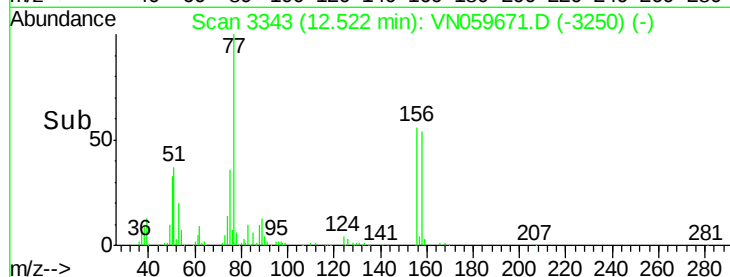
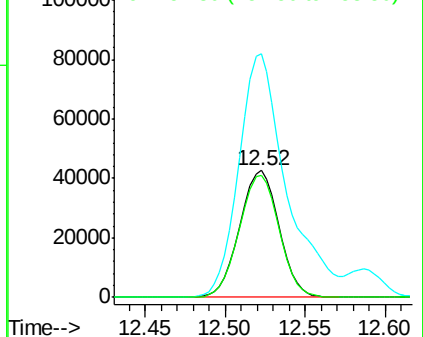
158 97.2 49.2 147.6



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: 22.586 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059671.D

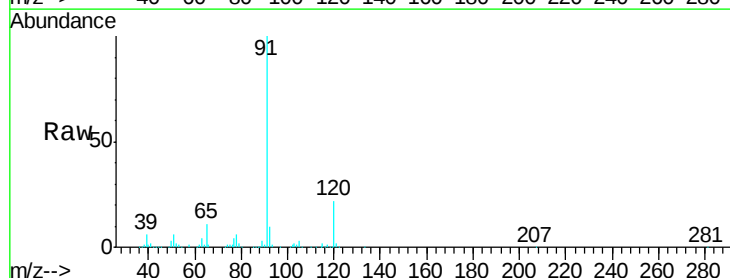
Acq: 19 Dec 2019 15:03

Tgt Ion: 91 Resp: 357065

Ion Ratio Lower Upper

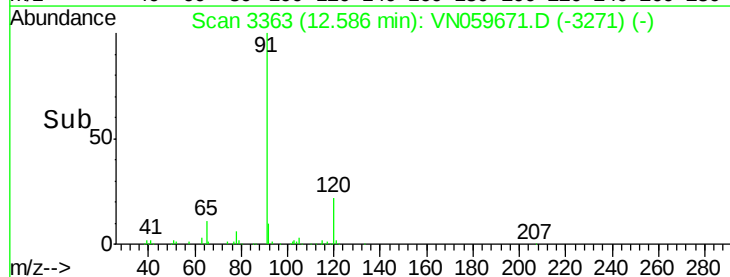
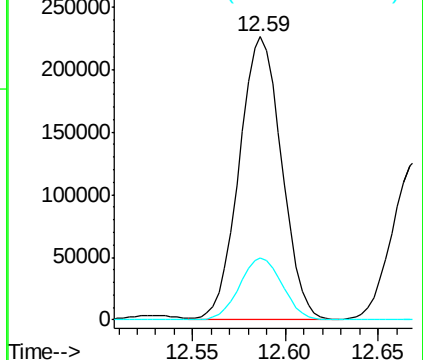
91 100

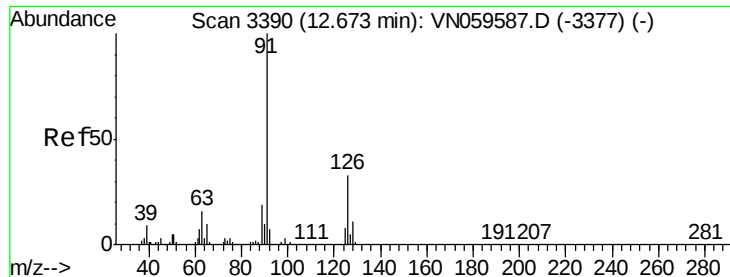
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.973 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

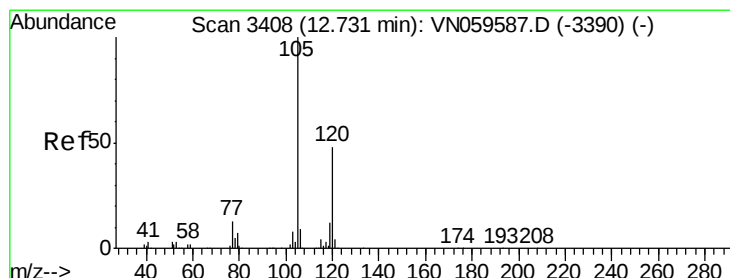
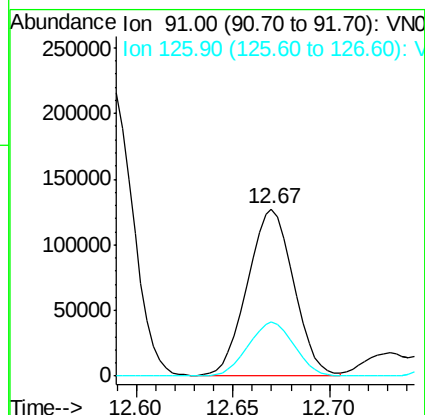
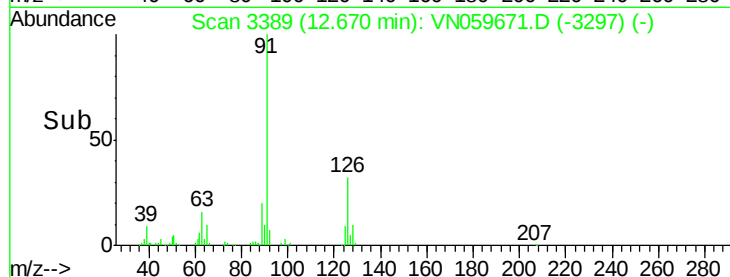
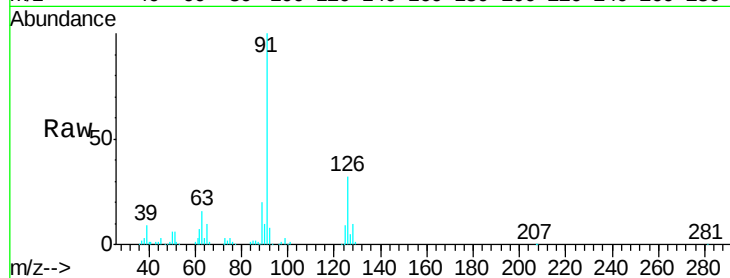
VN1219WBSD01

Tgt Ion: 91 Resp: 210053

Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 22.586 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059671.D

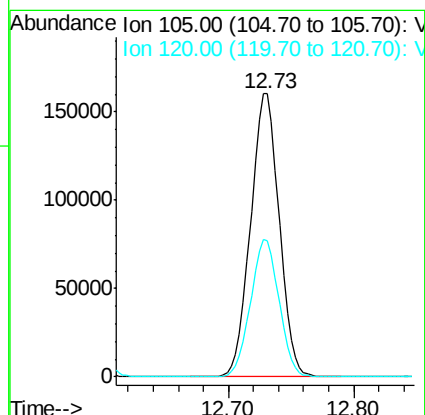
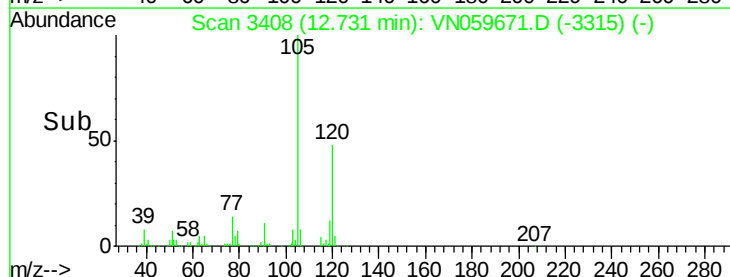
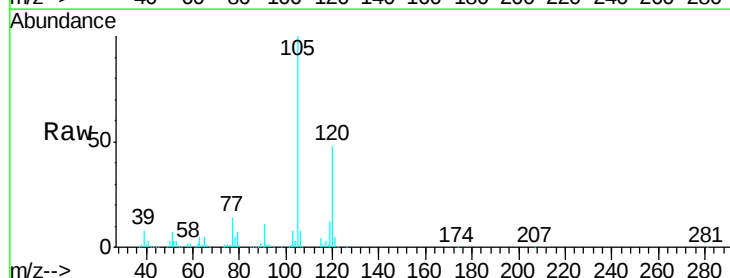
Acq: 19 Dec 2019 15:03

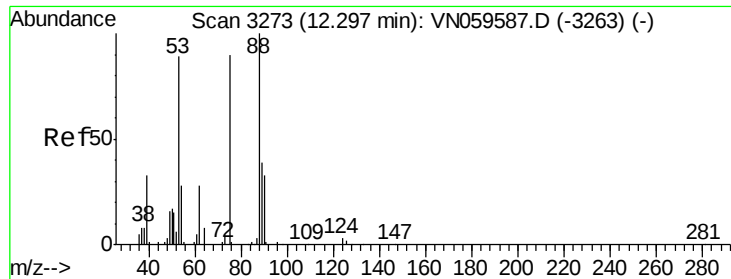
Tgt Ion: 105 Resp: 255622

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.548 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

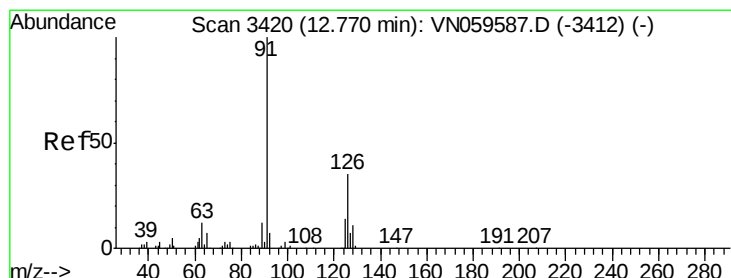
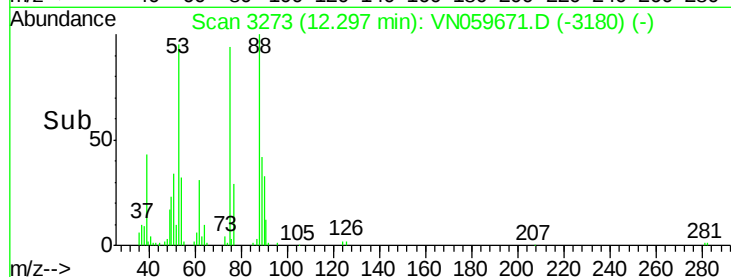
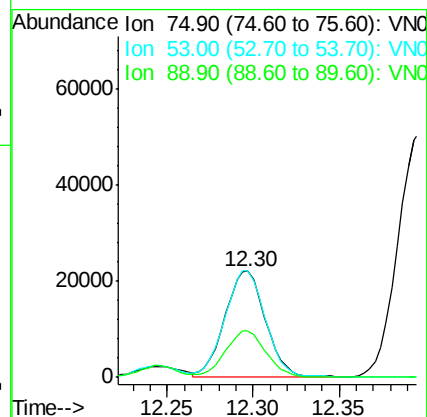
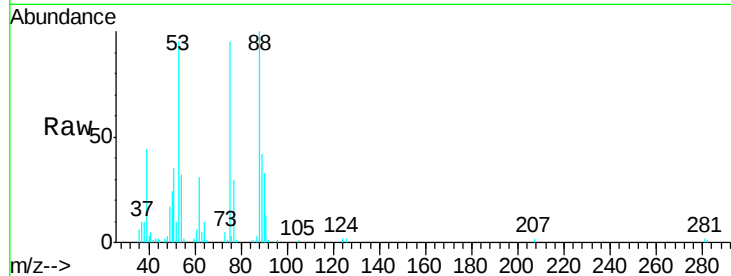
Tgt Ion: 75 Resp: 36795

Ion Ratio Lower Upper

75 100

53 100.1 78.1 117.1

89 43.7 35.4 53.2



#82

4-Chlorotoluene

Concen: 21.902 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059671.D

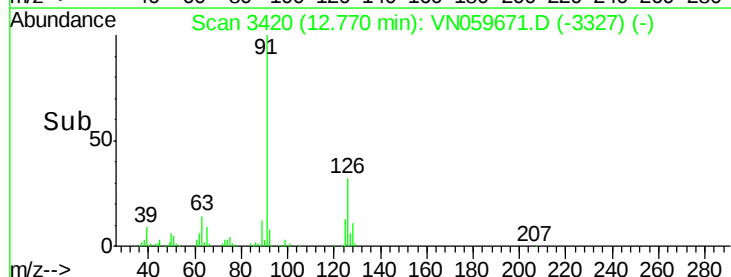
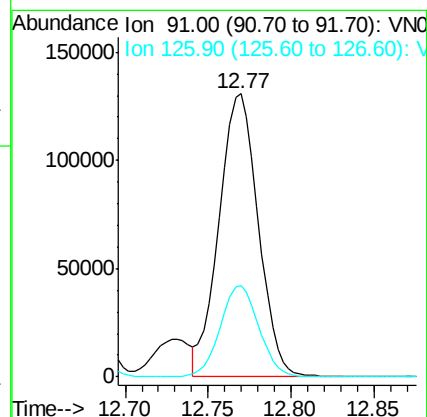
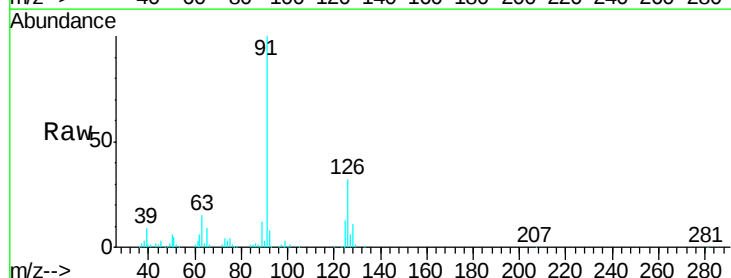
Acq: 19 Dec 2019 15:03

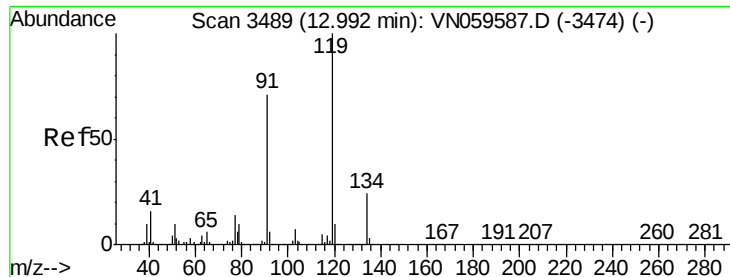
Tgt Ion: 91 Resp: 214377

Ion Ratio Lower Upper

91 100

126 31.9 16.3 48.8

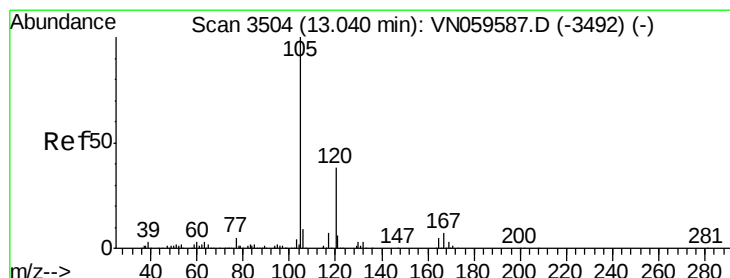
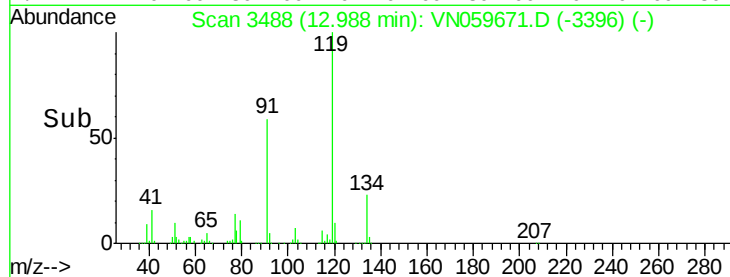
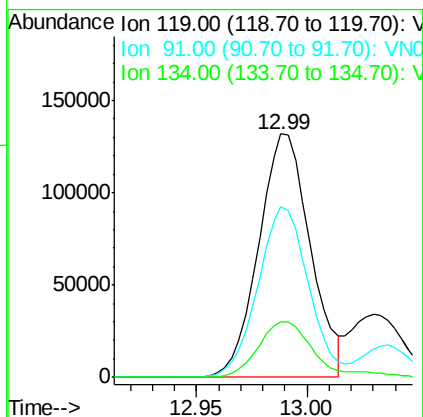
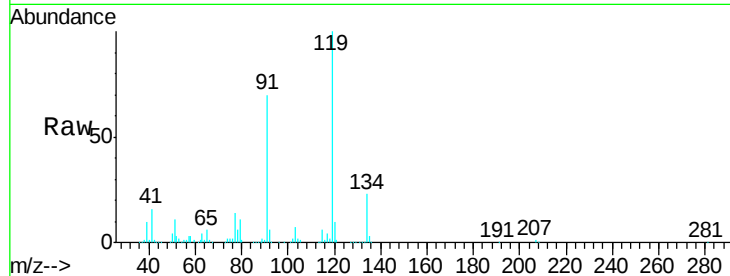




#83
 tert-Butylbenzene
 Concen: 22.257 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

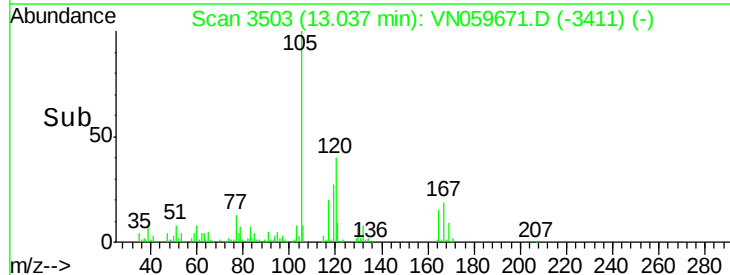
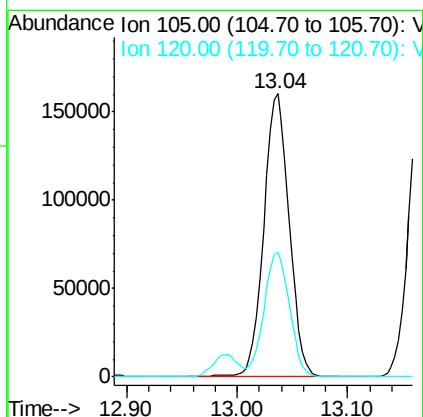
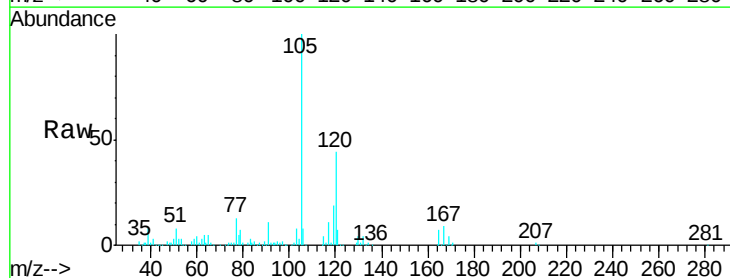
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBSD01

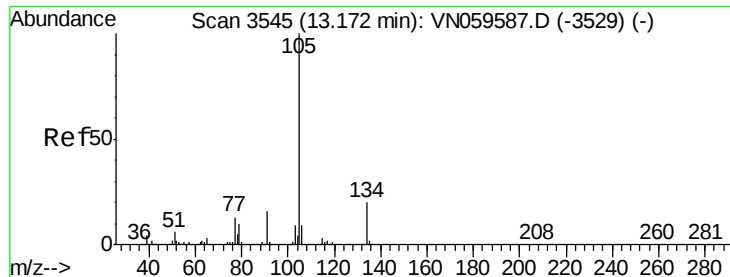
Tgt Ion:119 Resp: 213324
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.8 104.4
 134 25.1 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 22.743 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion:105 Resp: 255938
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.3 66.9





#85

sec-Butylbenzene

Concen: 22.893 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

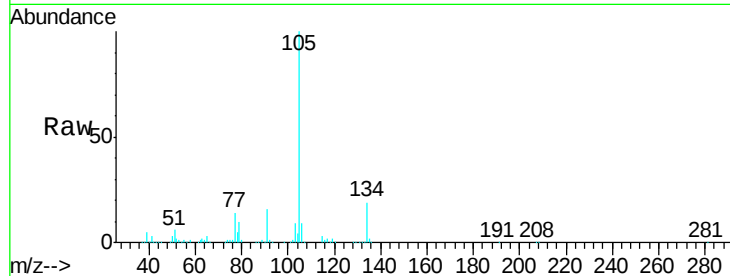
VN1219WBSD01

Tgt Ion:105 Resp: 291875

Ion Ratio Lower Upper

105 100

134 18.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

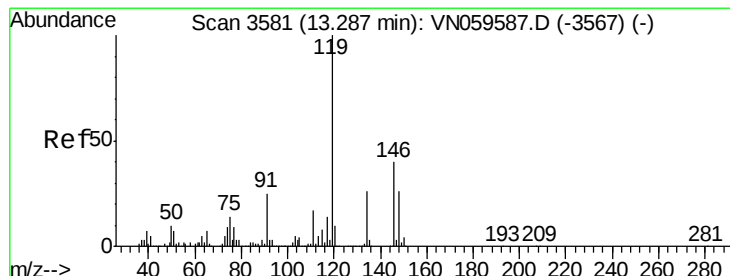
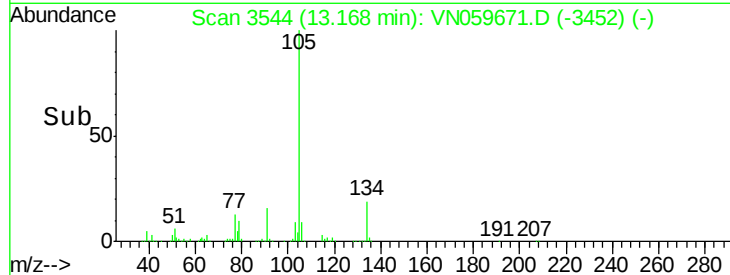
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.243 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

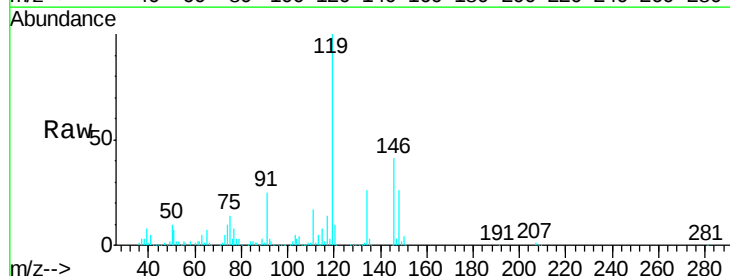
Tgt Ion:119 Resp: 256843

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.2 12.4 37.4



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

13.28

200000

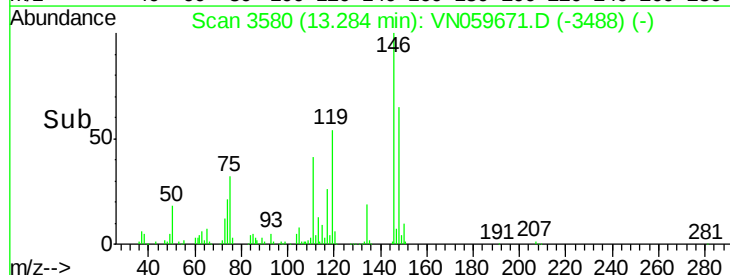
150000

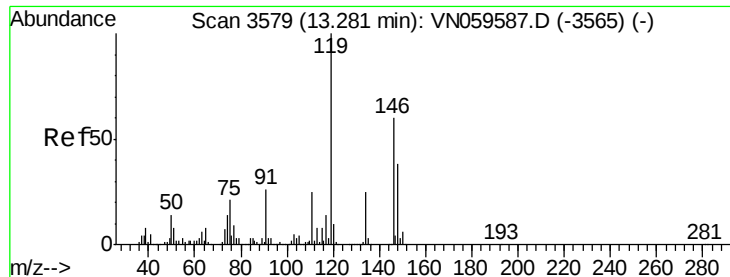
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.878 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

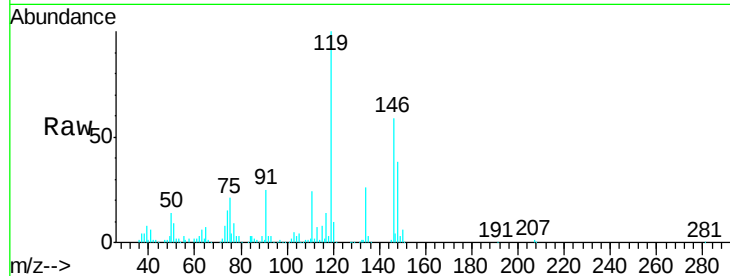
Tgt Ion:146 Resp: 126268

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.2

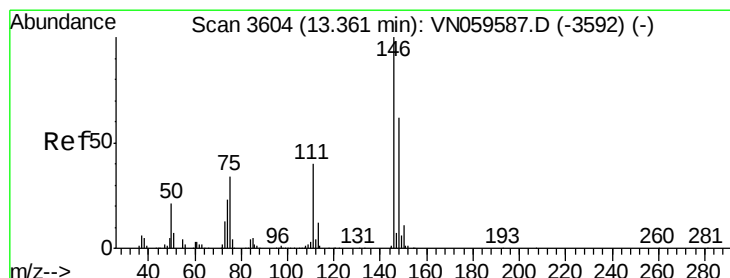
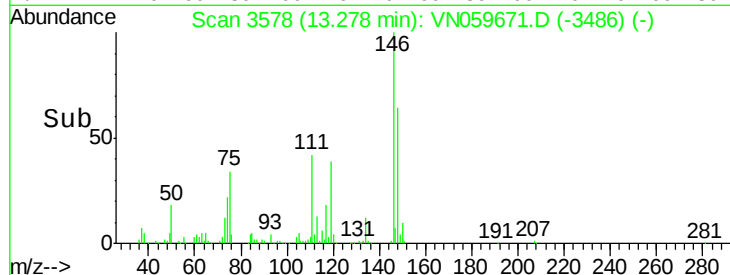
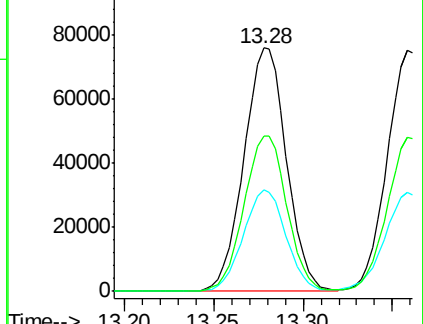
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.653 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

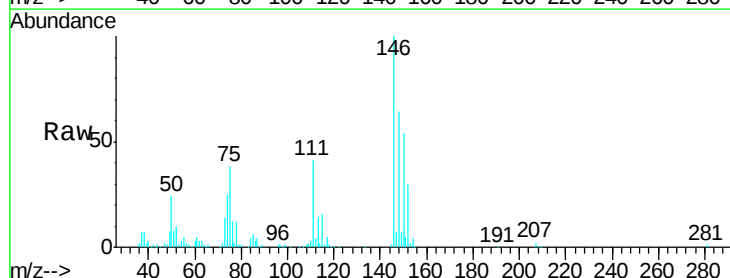
Tgt Ion:146 Resp: 125932

Ion Ratio Lower Upper

146 100

111 42.7 20.8 62.2

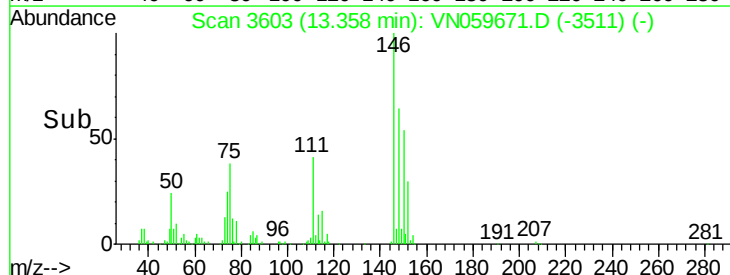
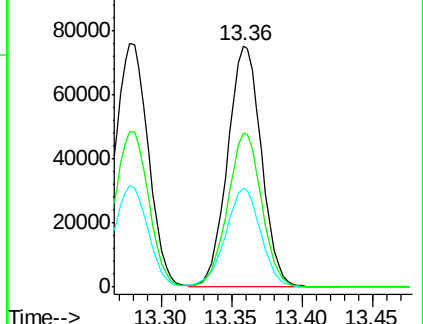
148 63.9 31.8 95.4

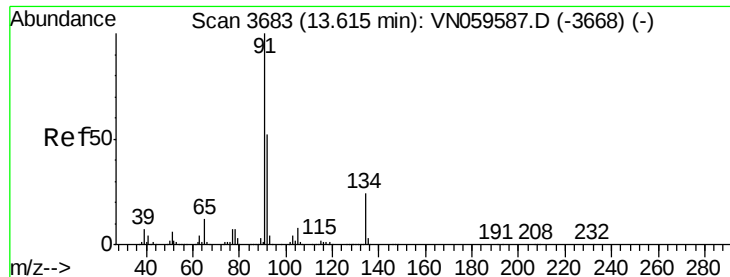


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.115 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

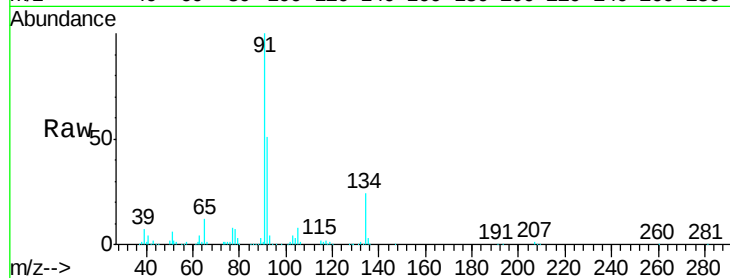
Tgt Ion: 91 Resp: 228585

Ion Ratio Lower Upper

91 100

92 51.2 25.9 77.7

134 24.5 12.3 36.8

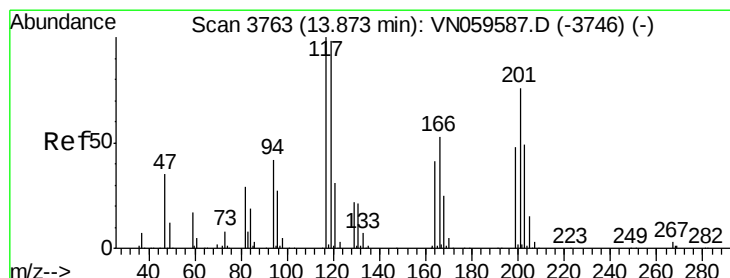
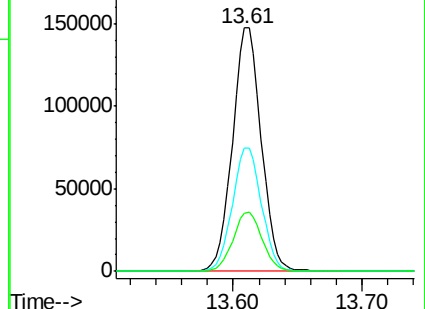
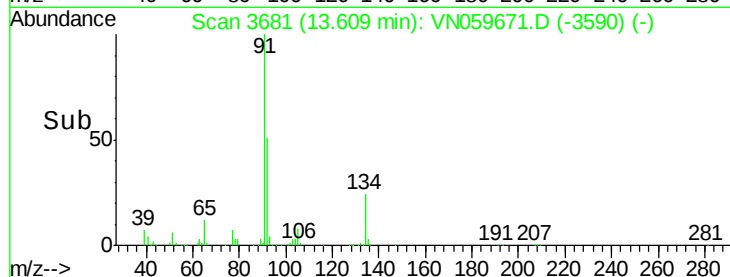


Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 22.550 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN059671.D

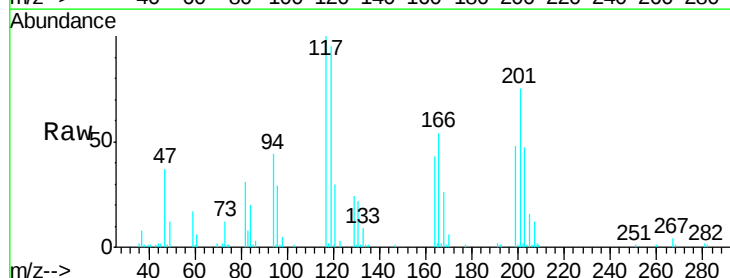
Acq: 19 Dec 2019 15:03

Tgt Ion: 117 Resp: 49218

Ion Ratio Lower Upper

117 100

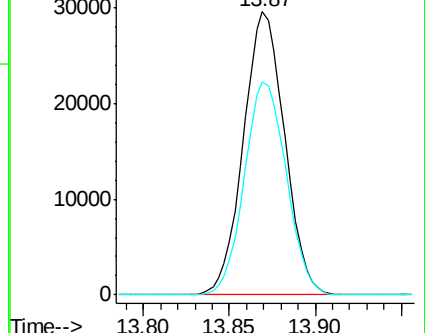
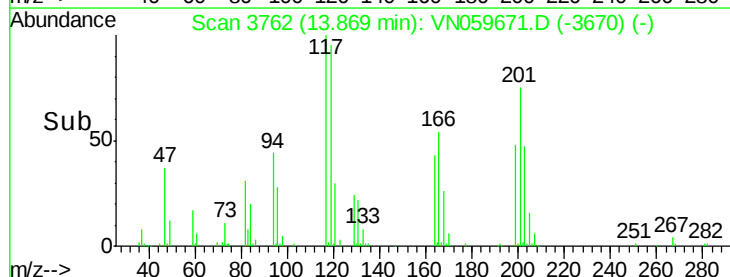
201 76.5 37.8 113.4

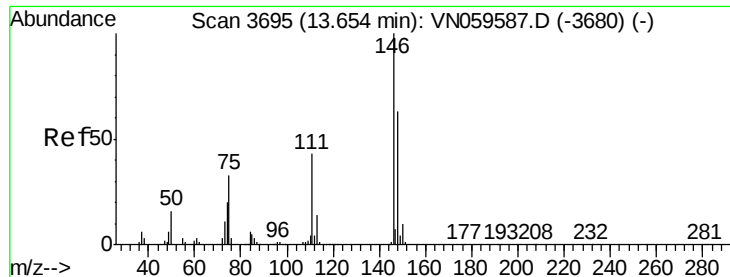


Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.809 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

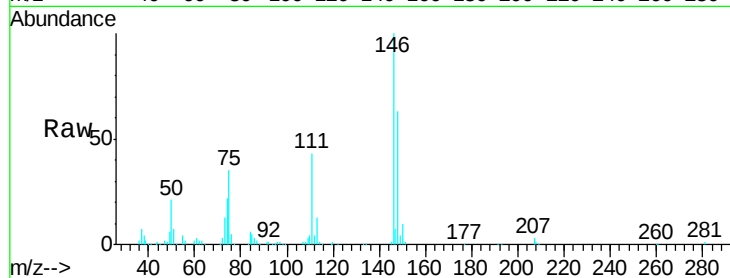
Tgt Ion:146 Resp: 124112

Ion Ratio Lower Upper

146 100

111 43.0 21.6 64.8

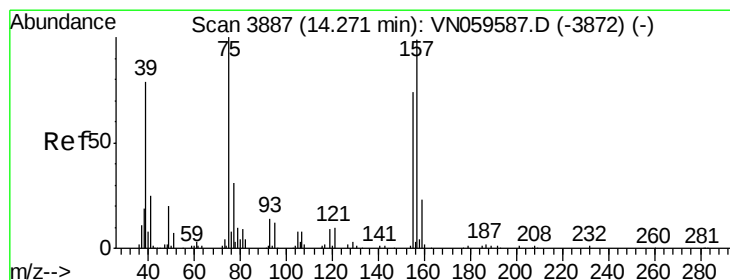
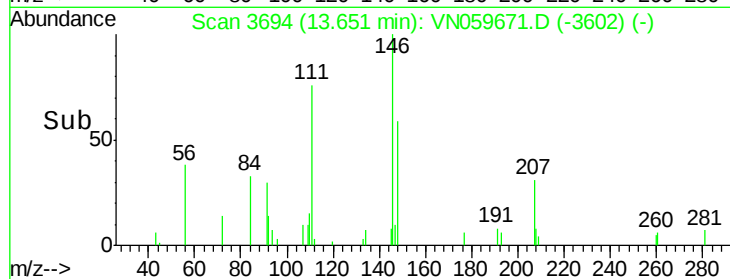
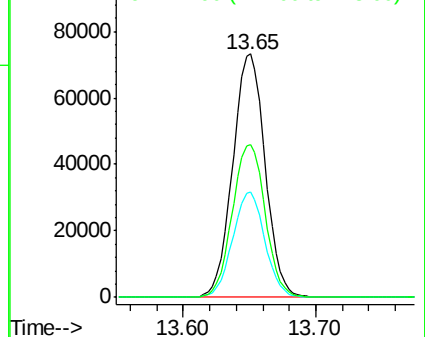
148 63.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.278 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059671.D

Acq: 19 Dec 2019 15:03

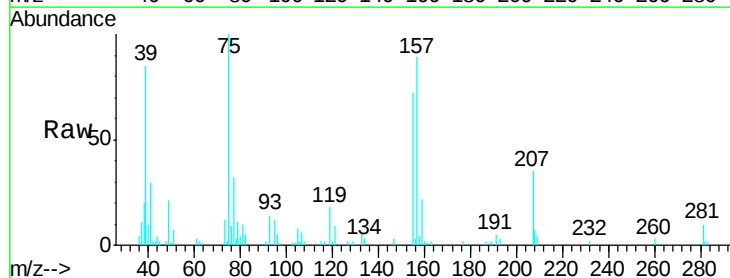
Tgt Ion: 75 Resp: 22813

Ion Ratio Lower Upper

75 100

155 69.9 37.0 110.9

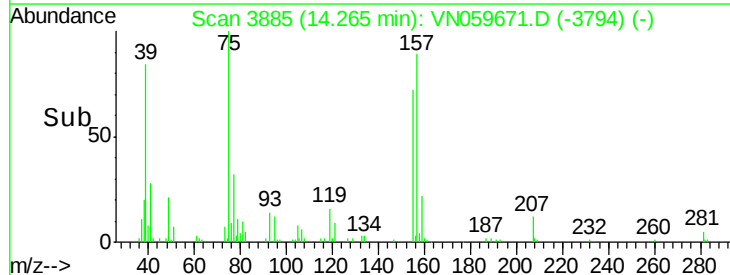
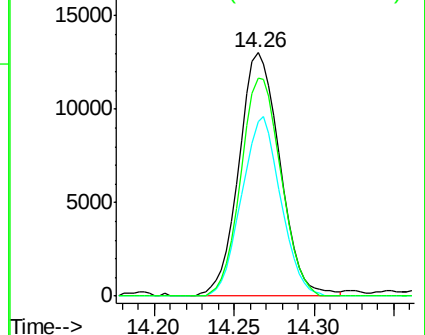
157 87.1 48.4 145.2

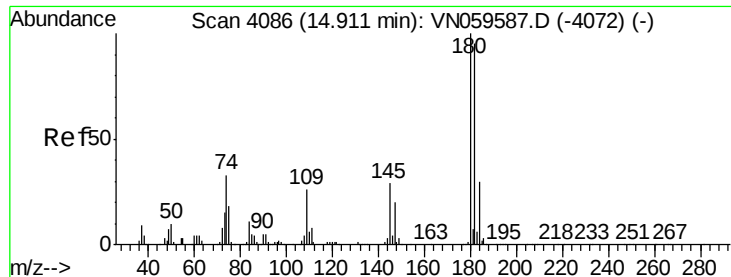


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

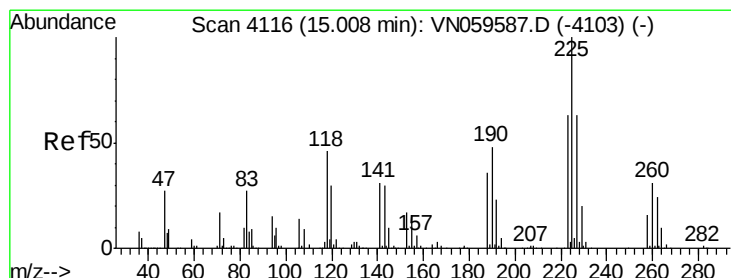
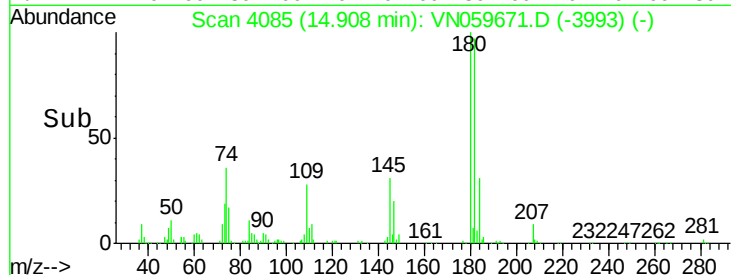
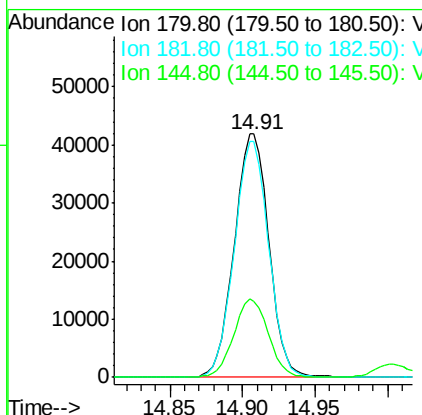
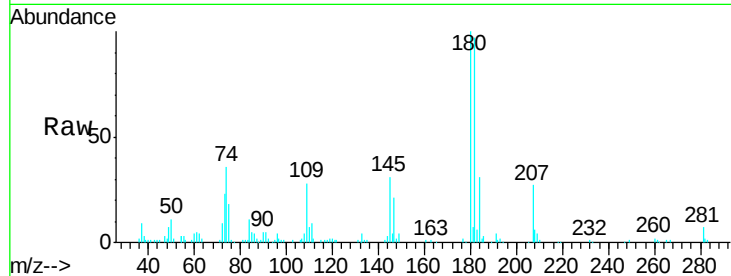




#93
 1,2,4-Trichlorobenzene
 Concen: 18.044 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

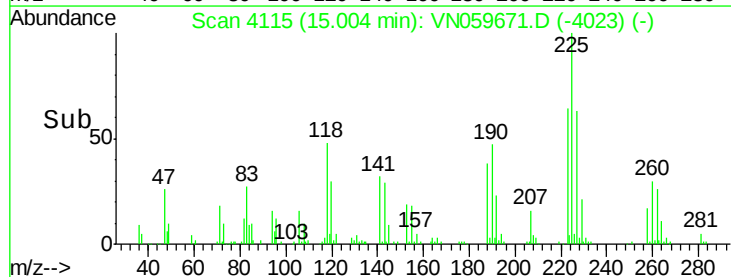
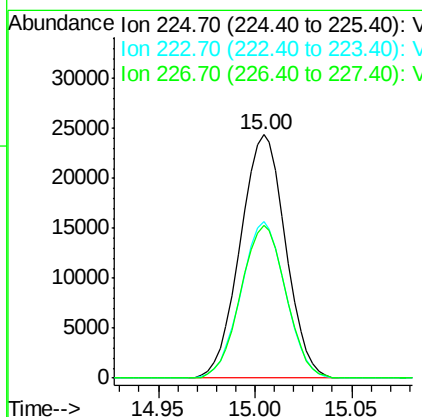
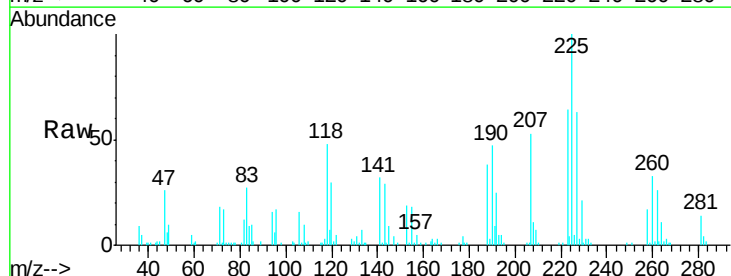
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBSD01

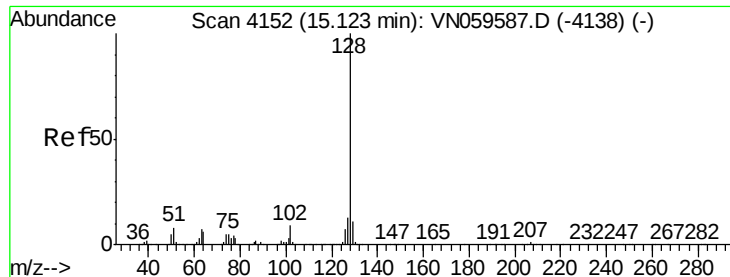
Tgt Ion:180 Resp: 69496
 Ion Ratio Lower Upper
 180 100
 182 96.4 46.9 140.7
 145 32.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.085 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059671.D
 Acq: 19 Dec 2019 15:03

Tgt Ion:225 Resp: 39821
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.8 95.3
 227 62.5 32.1 96.5

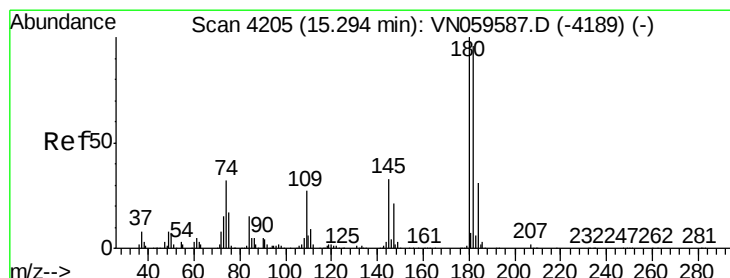
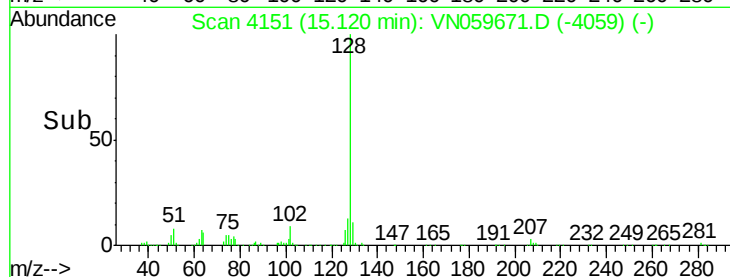
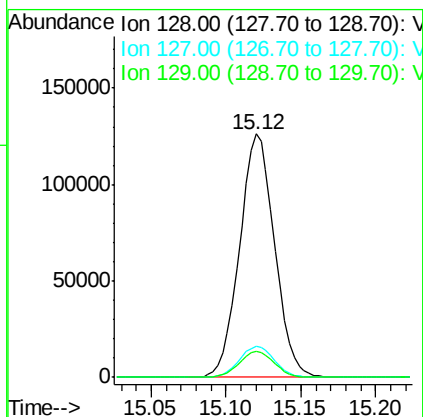
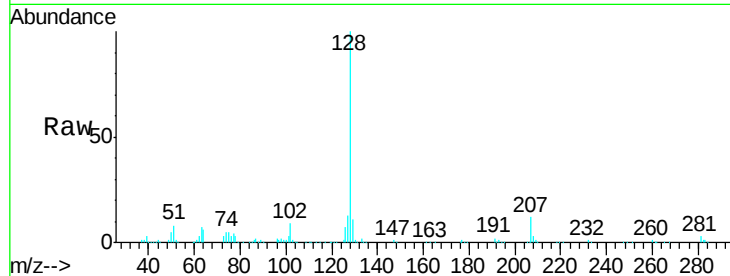




#95
Naphthalene
Concen: 17.851 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:128 Resp: 205242
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.408 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059671.D
Acq: 19 Dec 2019 15:03

Tgt Ion:180 Resp: 71706
Ion Ratio Lower Upper
180 100
182 95.9 47.4 142.3
145 31.9 16.3 48.9

