

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
 Data File : VN059672.D
 Acq On : 19 Dec 2019 15:49
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Quant Time: Dec 20 01:53:50 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	201941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136524	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	154864	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	7.56	113	104747	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	10.08	98	400014	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.40	95	141378	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	52263	20.028	ug/l	99
3) Chloromethane	2.04	50	69319	16.740	ug/l	100
4) Vinyl Chloride	2.17	62	60543	15.417	ug/l	99
5) Bromomethane	2.54	94	38877	17.030	ug/l	98
6) Chloroethane	2.68	64	33317	15.096	ug/l	99
7) Trichlorofluoromethane	3.00	101	75980	17.635	ug/l	96
8) Diethyl Ether	3.38	74	25249	18.756	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	56297	25.928	ug/l	96
10) Methyl Iodide	3.92	142	50402	17.534	ug/l	99
11) Tert butyl alcohol	4.75	59	46191	85.741	ug/l	98
12) 1,1-Dichloroethene	3.71	96	54603	25.779	ug/l	96
13) Acrolein	3.58	56	34907	90.962	ug/l	98
14) Allyl chloride	4.29	41	82483	18.970	ug/l	99
15) Acrylonitrile	4.95	53	133781	102.662	ug/l	100
16) Acetone	3.78	43	147934	84.794	ug/l	97
17) Carbon Disulfide	4.02	76	123751	17.549	ug/l	99
18) Methyl Acetate	4.29	43	72032	19.704	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	153985	20.590	ug/l	100
20) Methylene Chloride	4.52	84	52004	20.639	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	46037	19.497	ug/l	99
22) Diisopropyl ether	5.92	45	169350	21.126	ug/l	96
23) Vinyl Acetate	5.86	43	716821	113.947	ug/l	99
24) 1,1-Dichloroethane	5.82	63	93013	20.483	ug/l	99
25) 2-Butanone	6.80	43	186969	89.620	ug/l	100
26) 2,2-Dichloropropane	6.79	77	83461	20.223	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	52433	20.040	ug/l	98
28) Bromochloromethane	7.17	49	40603	21.549	ug/l	97
29) Tetrahydrofuran	7.18	42	123971	97.529	ug/l	99
30) Chloroform	7.35	83	92002	20.583	ug/l	100
31) Cyclohexane	7.63	56	83965	19.570	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	80562	19.992	ug/l	99
36) 1,1-Dichloropropene	7.77	75	68097	20.786	ug/l	99
37) Ethyl Acetate	6.90	43	78175	20.530	ug/l	100
38) Carbon Tetrachloride	7.75	117	68009	20.005	ug/l	96

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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)
39) Methylcyclohexane	9.06	83	75653	20.358	ug/l	99
40) Benzene	8.02	78	203977	21.305	ug/l	100
41) Methacrylonitrile	7.18	41	113130	71.990	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	80990	22.089	ug/l	100
43) Isopropyl Acetate	8.14	43	124508	21.032	ug/l	99
44) Trichloroethene	8.82	130	52411	20.899	ug/l	98
45) 1,2-Dichloropropane	9.10	63	56686	21.925	ug/l	96
46) Dibromomethane	9.19	93	36264	21.410	ug/l	97
47) Bromodichloromethane	9.39	83	72253	21.395	ug/l	99
48) Methyl methacrylate	9.18	41	55009	20.480	ug/l	97
49) 1,4-Dioxane	9.18	88	13258	344.444	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	377139	106.848	ug/l	99
52) Toluene	10.14	92	122525	20.828	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	81059	20.754	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	86798	21.142	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	51246	22.200	ug/l	98
56) Ethyl methacrylate	10.42	69	70344	20.527	ug/l	99
57) 1,3-Dichloropropane	10.70	76	86502	21.522	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	126547	116.109	ug/l	99
59) 2-Hexanone	10.74	43	274690	98.743	ug/l	99
60) Dibromochloromethane	10.89	129	53246	21.134	ug/l	98
61) 1,2-Dibromoethane	11.00	107	49992	20.420	ug/l	99
64) Tetrachloroethene	10.62	164	50465	18.137	ug/l	99
65) Chlorobenzene	11.43	112	128904	19.959	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	50094	20.420	ug/l	99
67) Ethyl Benzene	11.50	91	231055	19.820	ug/l	99
68) m/p-Xylenes	11.62	106	170155	39.527	ug/l	100
69) o-Xylene	11.94	106	74689	18.234	ug/l	96
70) Styrene	11.96	104	117473	17.850	ug/l	97
71) Bromoform	12.12	173	34638	18.784	ug/l #	98
73) Isopropylbenzene	12.24	105	219662	20.496	ug/l	99
74) N-amyl acetate	12.07	43	90977	18.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	69159	20.343	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	100878	29.848	ug/l #	100
77) Bromobenzene	12.52	156	52606	19.960	ug/l	99
78) n-propylbenzene	12.59	91	255379	20.158	ug/l	99
79) 2-Chlorotoluene	12.67	91	154947	20.227	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	182637	20.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	26022	19.017	ug/l	99
82) 4-Chlorotoluene	12.77	91	157010	20.018	ug/l	99
83) tert-Butylbenzene	12.99	119	152547	19.861	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	185000	20.514	ug/l	99
85) sec-Butylbenzene	13.17	105	205313	20.096	ug/l	99
86) p-Isopropyltoluene	13.28	119	185726	20.071	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	92584	19.103	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90453	18.511	ug/l	97
89) n-Butylbenzene	13.61	91	164577	18.971	ug/l	99
90) Hexachloroethane	13.87	117	34090	19.490	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	93067	19.472	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15459	17.356	ug/l	98

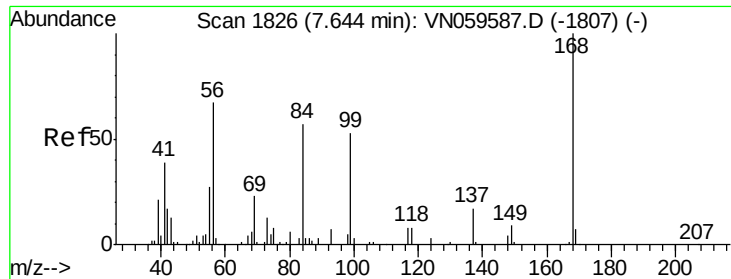
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121919\
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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	53037	17.184	ug/l	98
94) Hexachlorobutadiene	15.00	225	29742	18.805	ug/l	98
95) Naphthalene	15.12	128	154778	16.799	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	54877	17.580	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

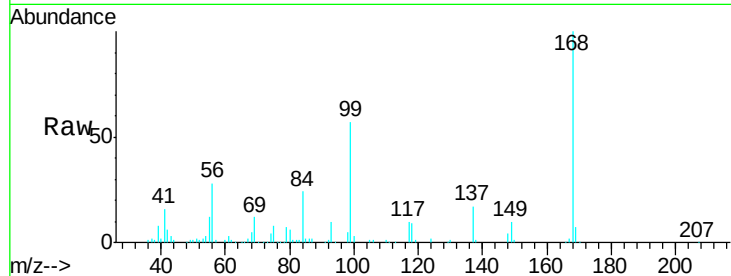
VN1219WBSD01

Tgt Ion:168 Resp: 201941

Ion Ratio Lower Upper

168 100

99 57.2 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

80000

60000

40000

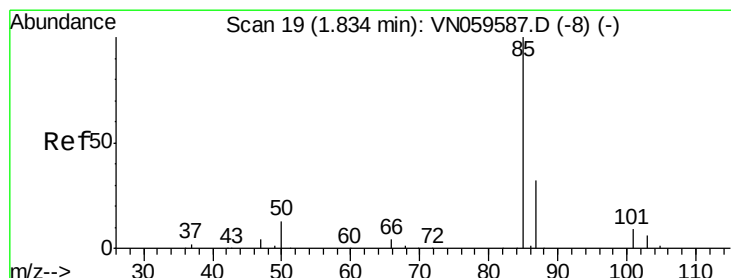
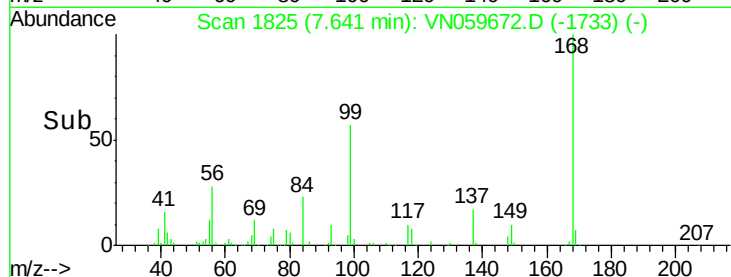
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.028 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059672.D

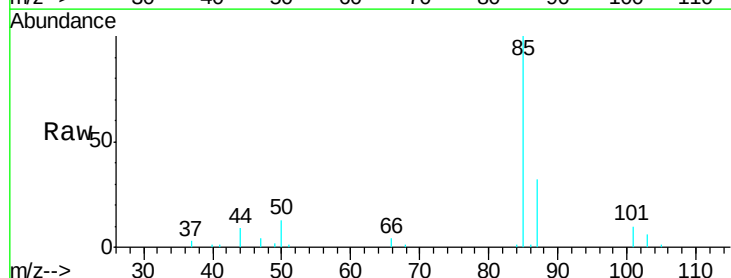
Acq: 19 Dec 2019 15:49

Tgt Ion: 85 Resp: 52263

Ion Ratio Lower Upper

85 100

87 32.3 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

40000

30000

20000

10000

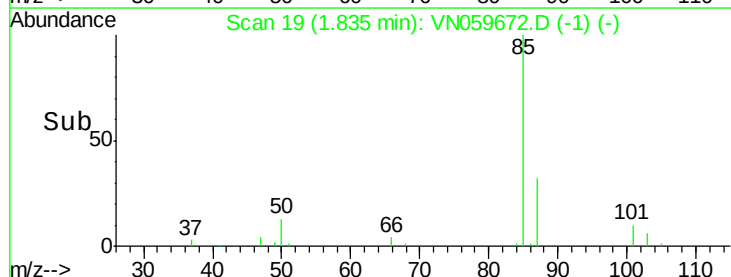
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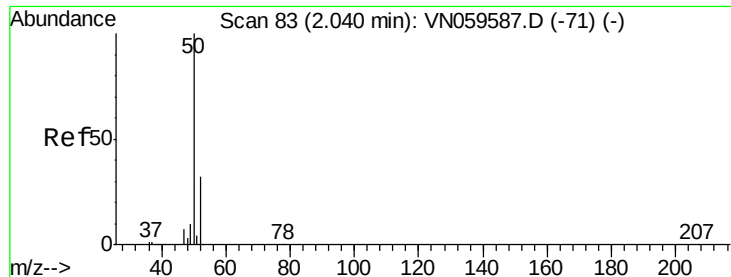
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.740 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

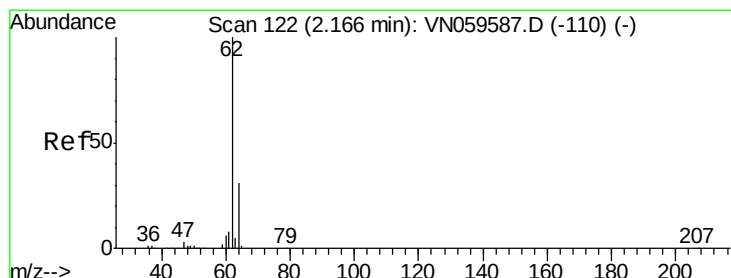
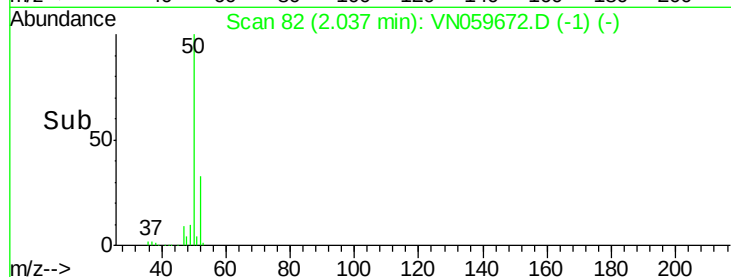
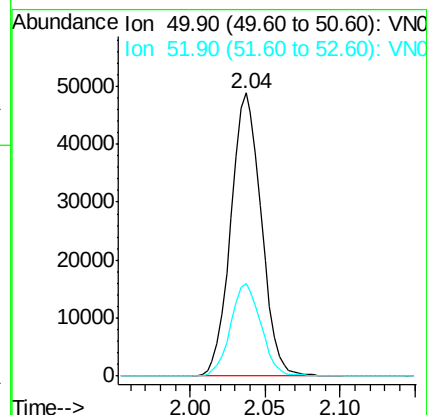
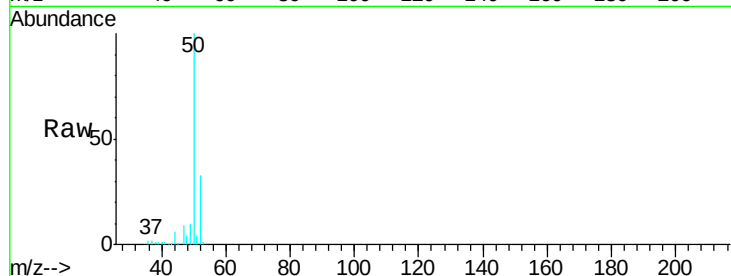
VN1219WBSD01

Tgt Ion: 50 Resp: 69319

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9



#4

Vinyl Chloride

Concen: 15.417 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059672.D

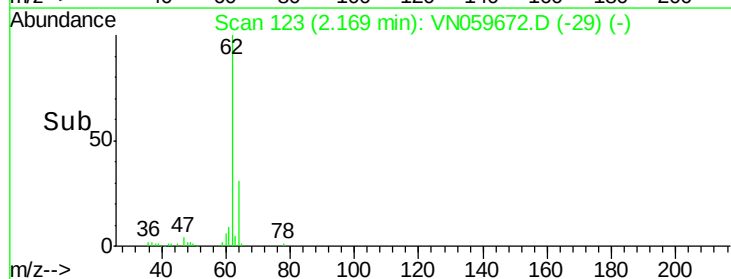
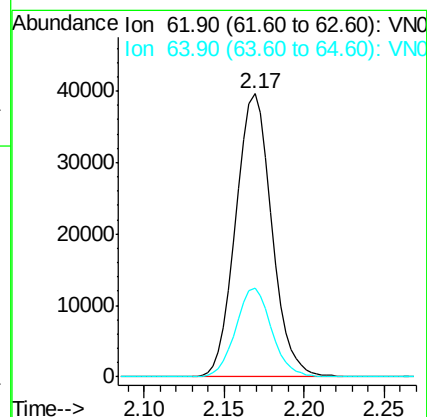
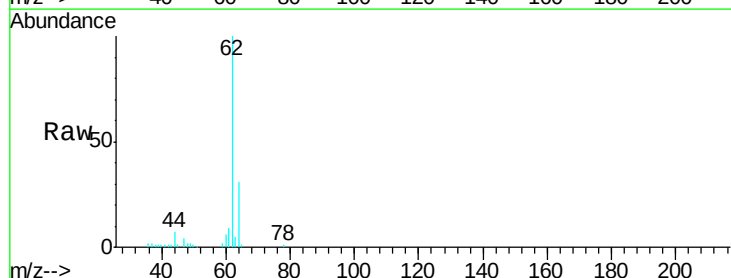
Acq: 19 Dec 2019 15:49

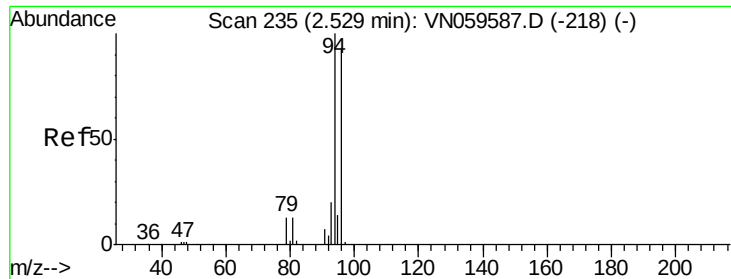
Tgt Ion: 62 Resp: 60543

Ion Ratio Lower Upper

62 100

64 31.3 24.6 37.0





#5

Bromomethane

Concen: 17.030 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

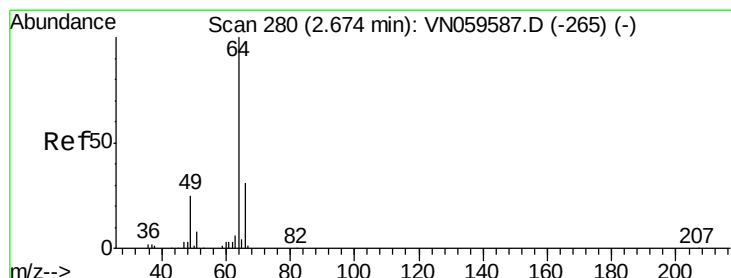
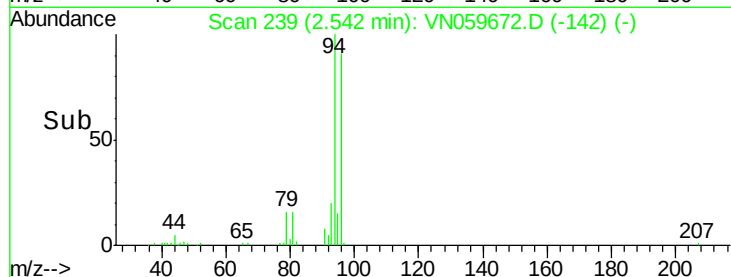
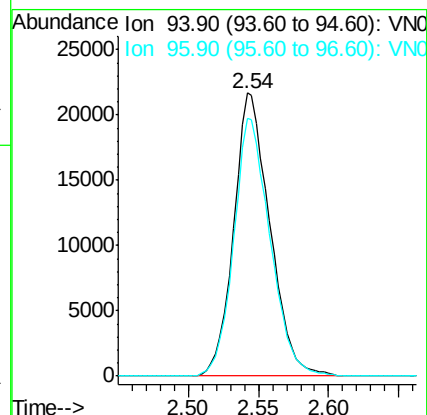
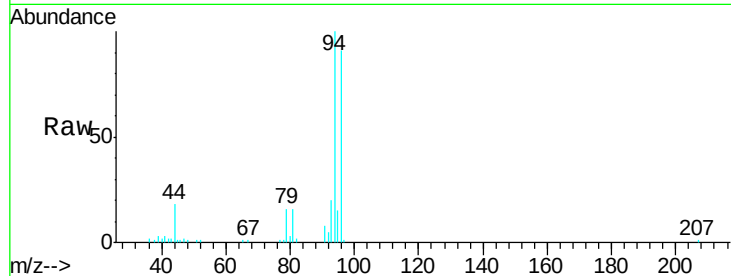
VN1219WBSD01

Tgt Ion: 94 Resp: 38877

Ion Ratio Lower Upper

94 100

96 91.0 74.7 112.1



#6

Chloroethane

Concen: 15.096 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059672.D

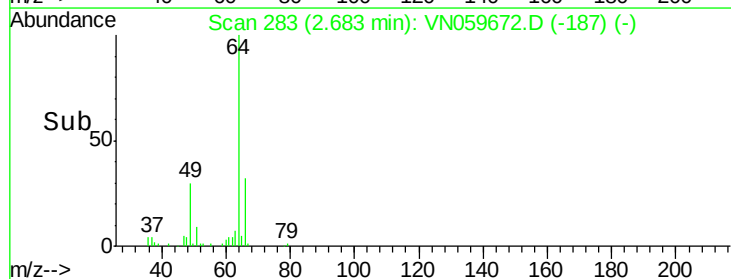
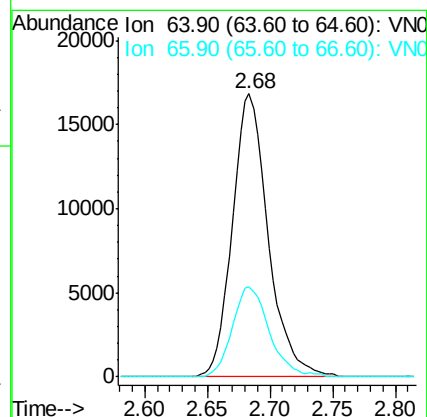
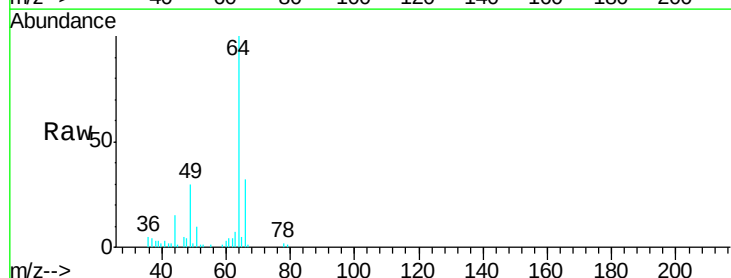
Acq: 19 Dec 2019 15:49

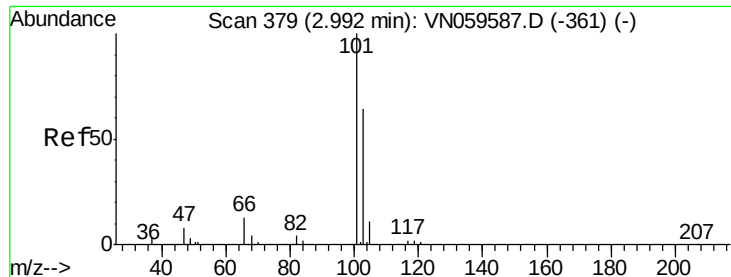
Tgt Ion: 64 Resp: 33317

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



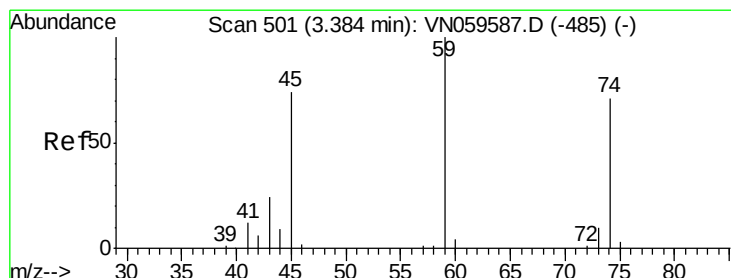
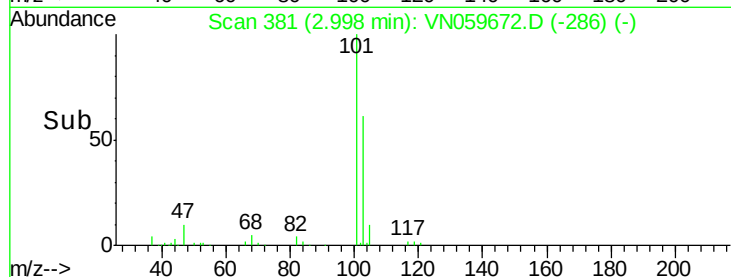
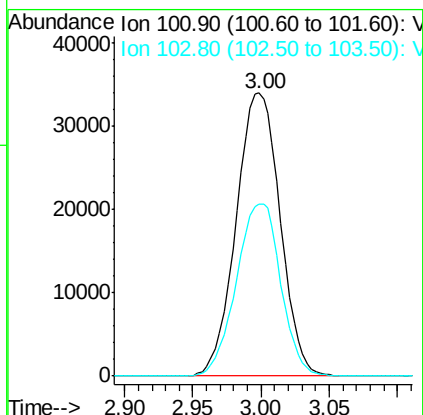
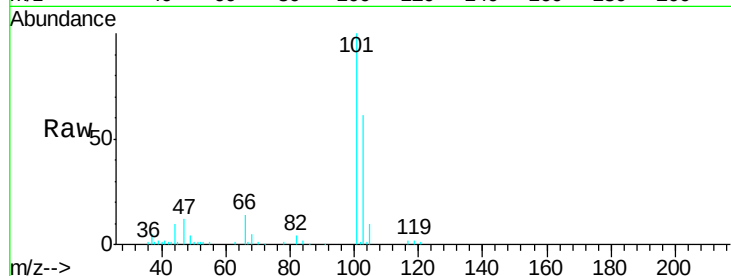


#7

Trichlorofluoromethane
 Concen: 17.635 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Instrument :
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 ClientSampleId :
 VN1219WBSD01

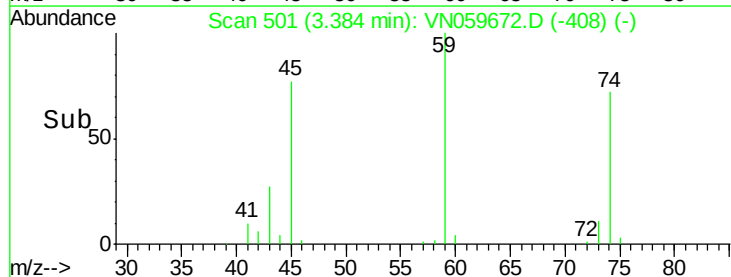
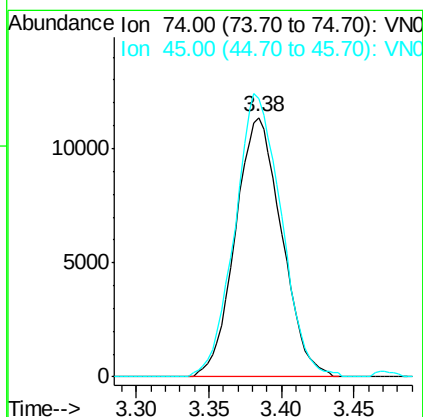
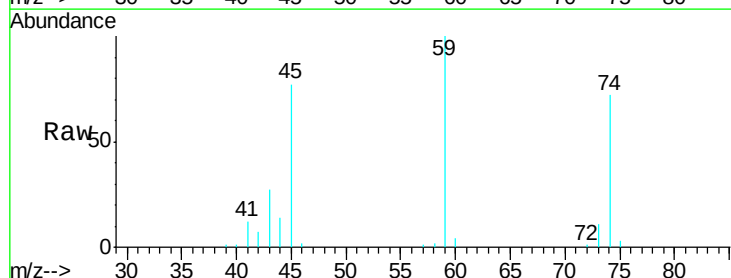
Tgt Ion:101 Resp: 75980
 Ion Ratio Lower Upper
 101 100
 103 60.6 51.0 76.6

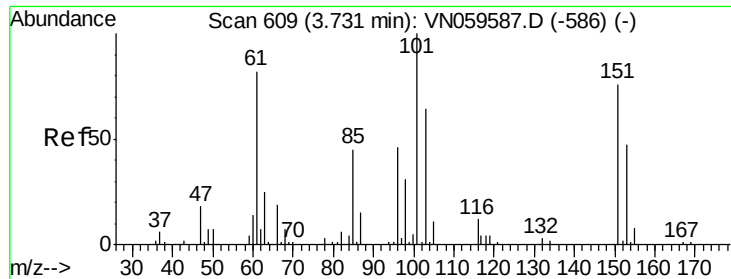


#8

Diethyl Ether
 Concen: 18.756 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion: 74 Resp: 25249
 Ion Ratio Lower Upper
 74 100
 45 109.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.928 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

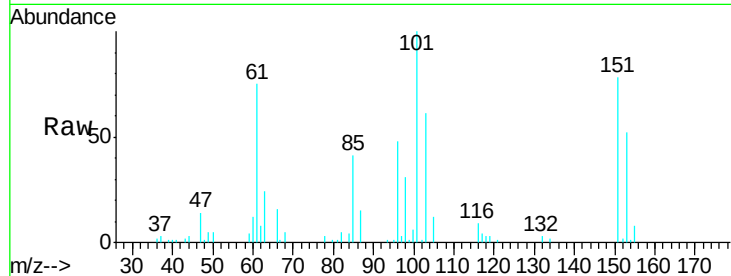
Tgt Ion:101 Resp: 56297

Ion Ratio Lower Upper

101 100

85 42.9 36.6 54.8

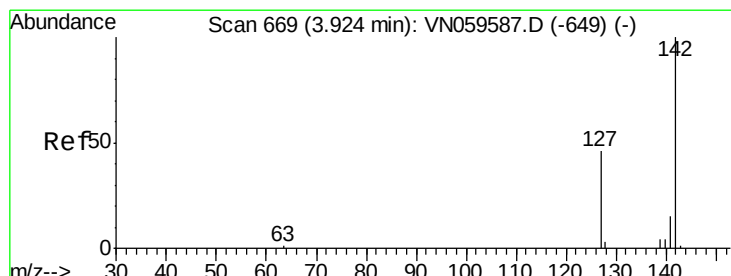
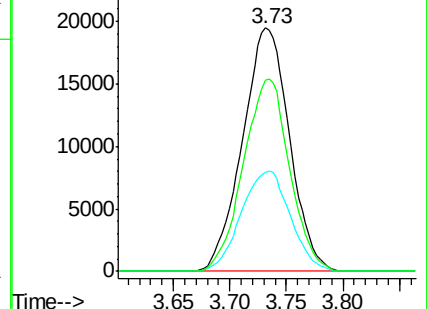
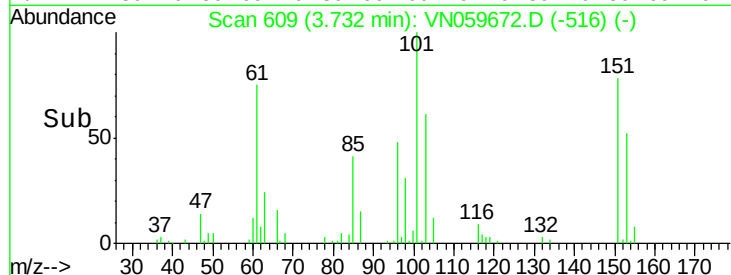
151 77.5 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.534 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

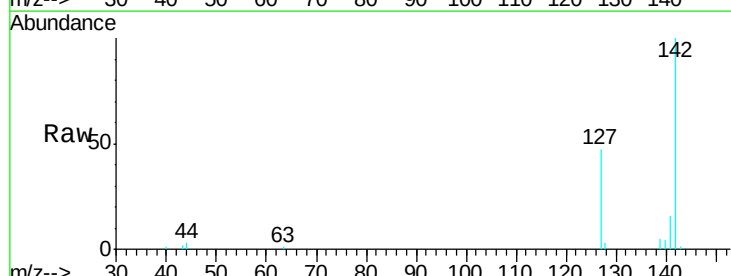
Tgt Ion:142 Resp: 50402

Ion Ratio Lower Upper

142 100

127 46.5 36.7 55.1

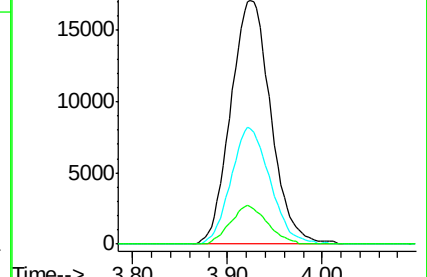
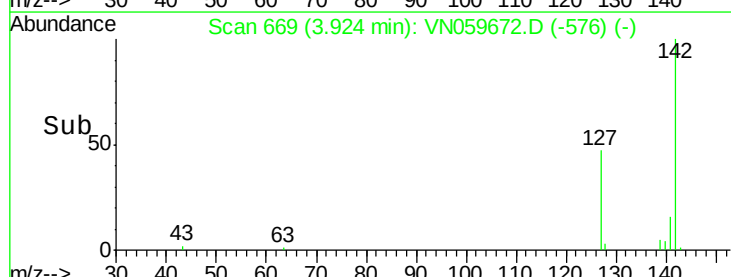
141 14.6 11.7 17.5

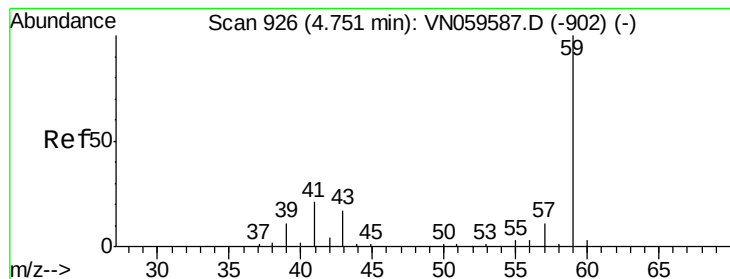


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 85.741 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

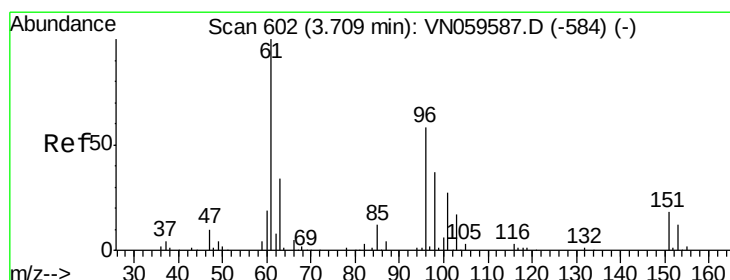
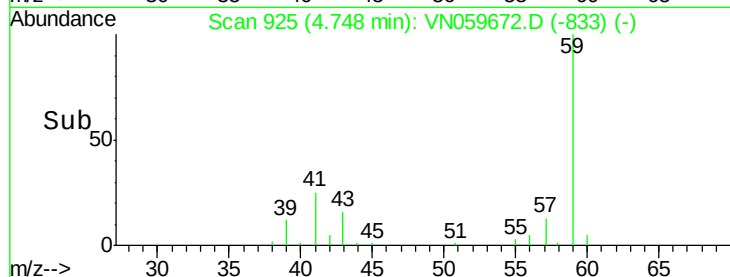
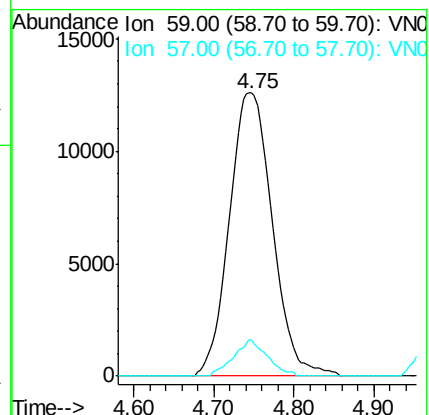
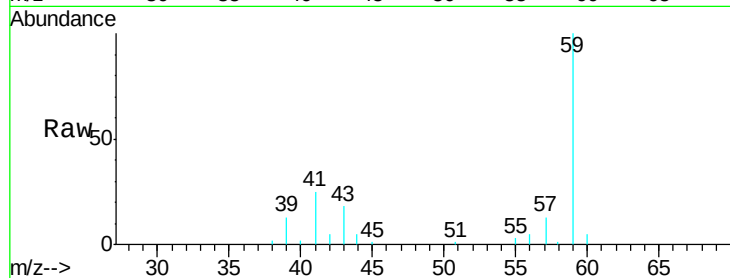
VN1219WBSD01

Tgt Ion: 59 Resp: 46191

Ion Ratio Lower Upper

59 100

57 10.0 8.6 12.8



#12

1,1-Dichloroethene

Concen: 25.779 ug/l

RT: 3.71 min Scan# 602

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

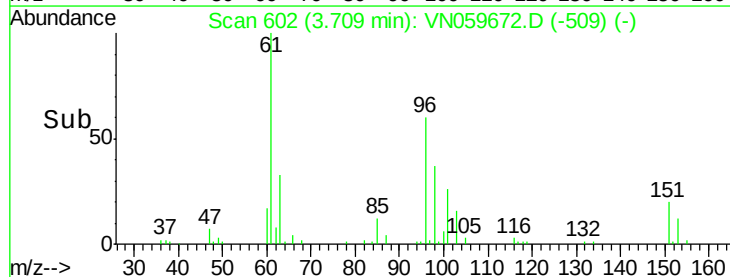
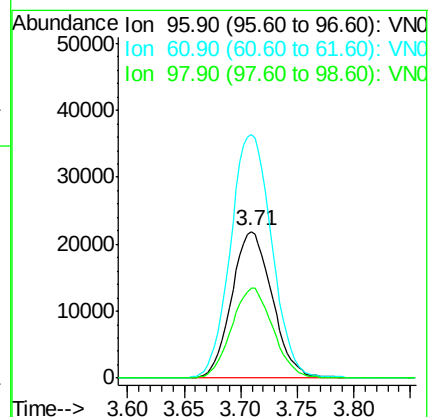
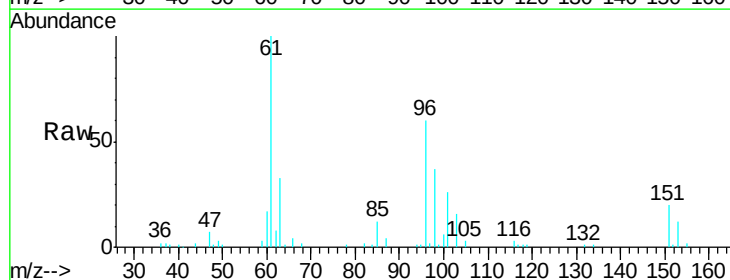
Tgt Ion: 96 Resp: 54603

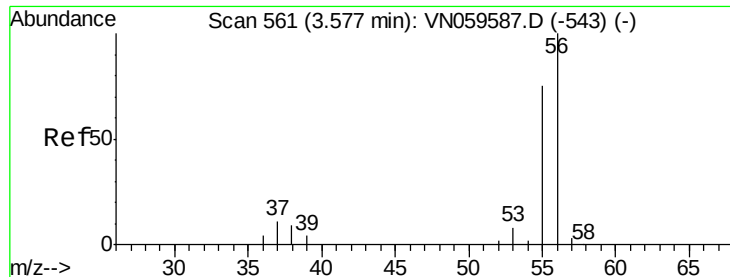
Ion Ratio Lower Upper

96 100

61 165.5 137.5 206.3

98 61.4 50.2 75.4





#13

Acrolein

Concen: 90.962 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

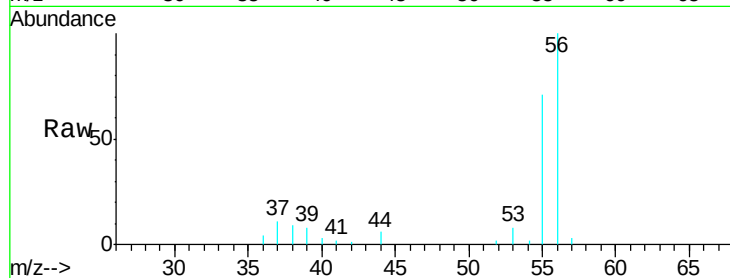
VN1219WBSD01

Tgt Ion: 56 Resp: 34907

Ion Ratio Lower Upper

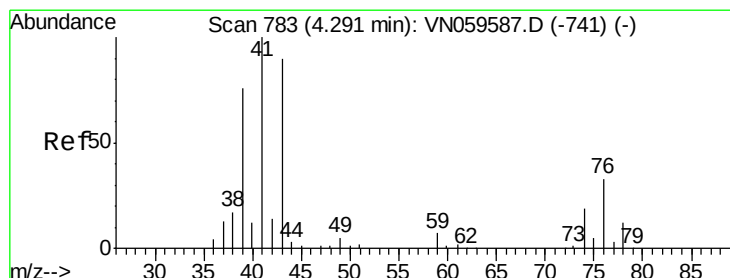
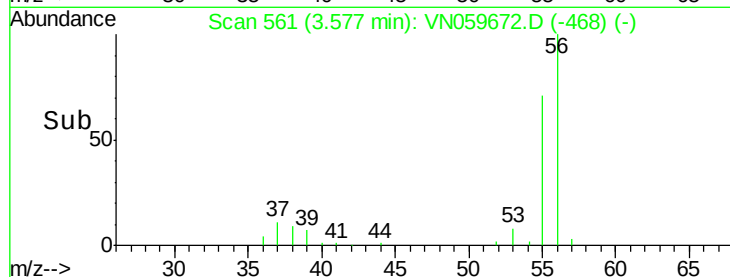
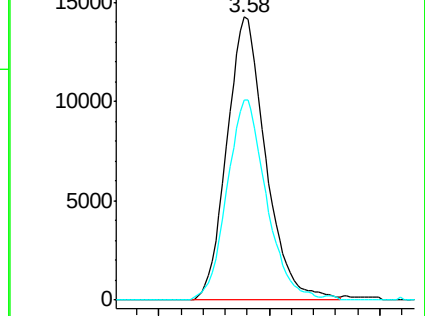
56 100

55 71.5 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.970 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

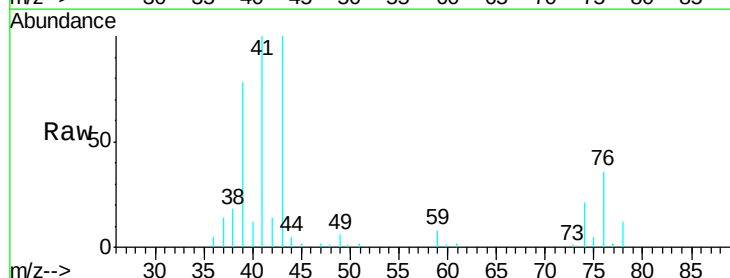
Tgt Ion: 41 Resp: 82483

Ion Ratio Lower Upper

41 100

39 72.7 57.8 86.8

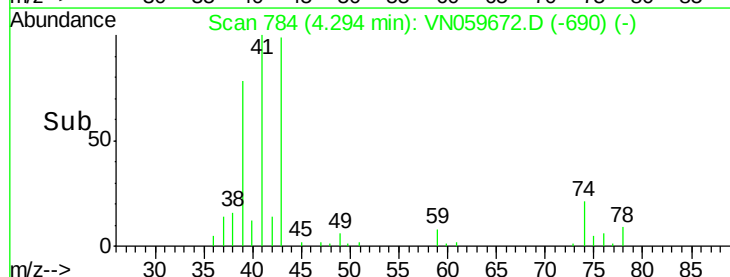
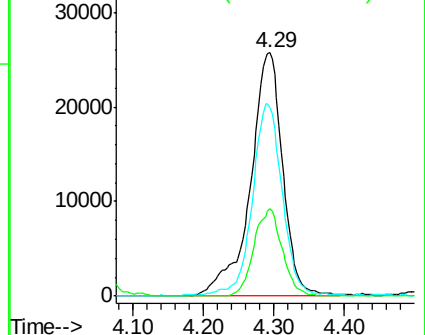
76 31.2 25.4 38.0

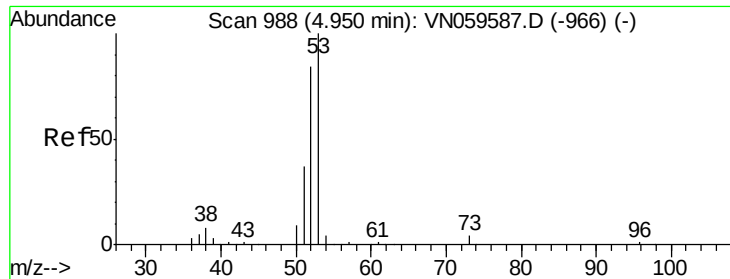


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.662 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VN1219WBSD01

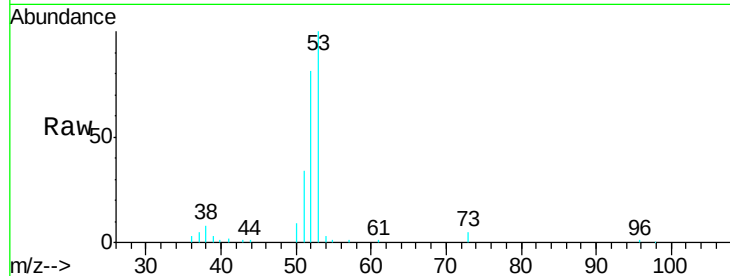
Tgt Ion: 53 Resp: 133781

Ion Ratio Lower Upper

53 100

52 82.6 66.3 99.5

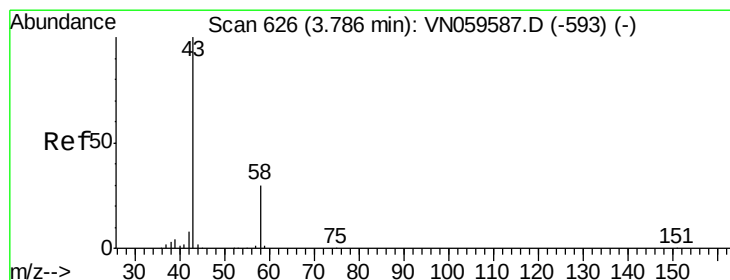
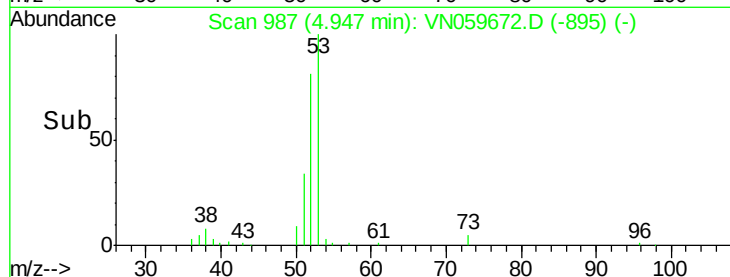
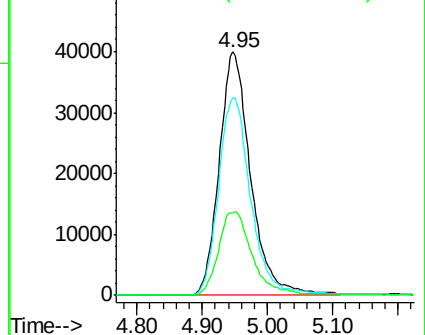
51 36.6 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 84.794 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.00 min

Lab File: VN059672.D

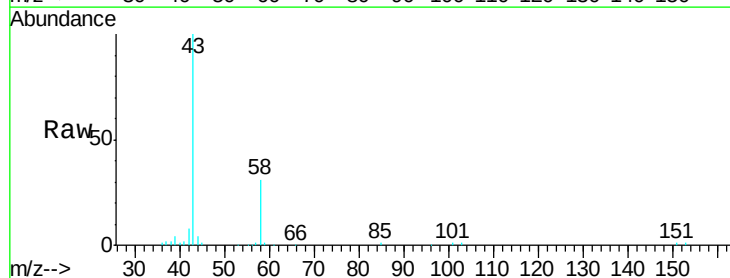
Acq: 19 Dec 2019 15:49

Tgt Ion: 43 Resp: 147934

Ion Ratio Lower Upper

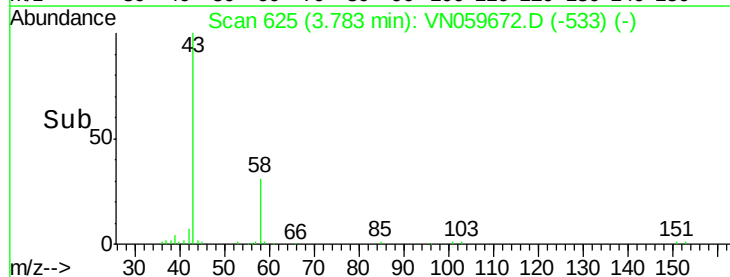
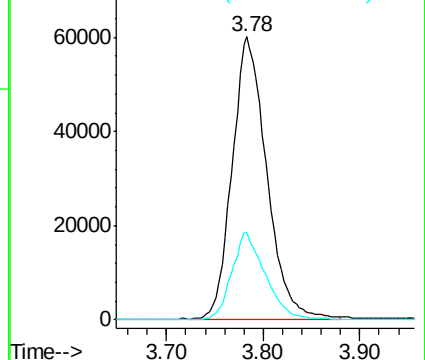
43 100

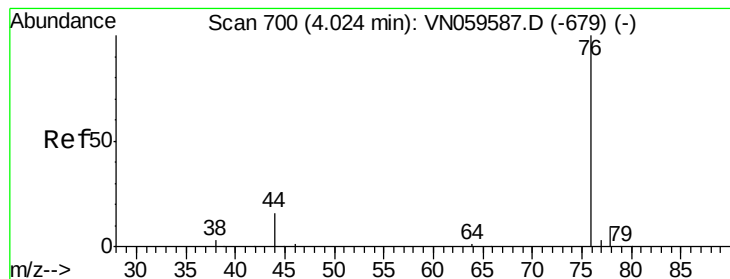
58 31.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.549 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

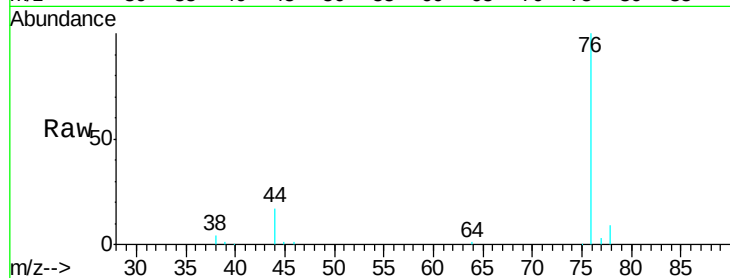
VN1219WBSD01

Tgt Ion: 76 Resp: 123751

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.02

50000

40000

30000

20000

10000

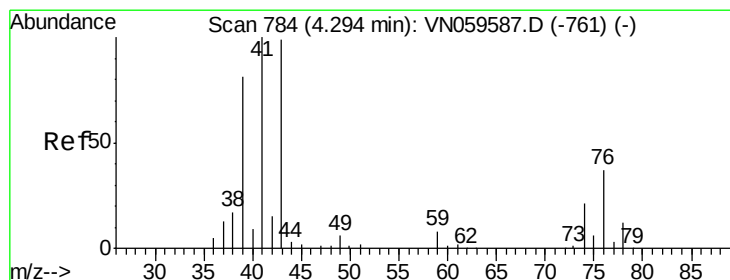
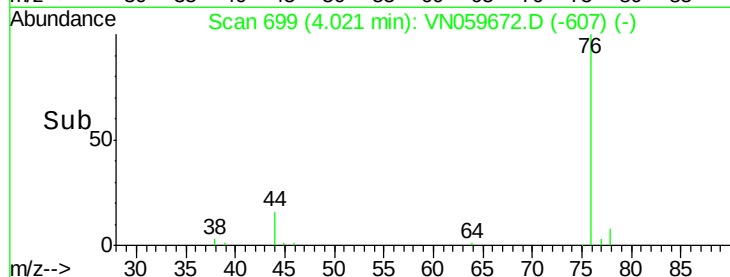
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 19.704 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059672.D

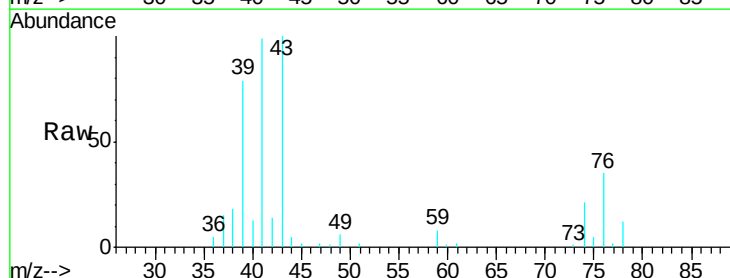
Acq: 19 Dec 2019 15:49

Tgt Ion: 43 Resp: 72032

Ion Ratio Lower Upper

43 100

74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

30000

25000

20000

15000

10000

5000

0

Time-->

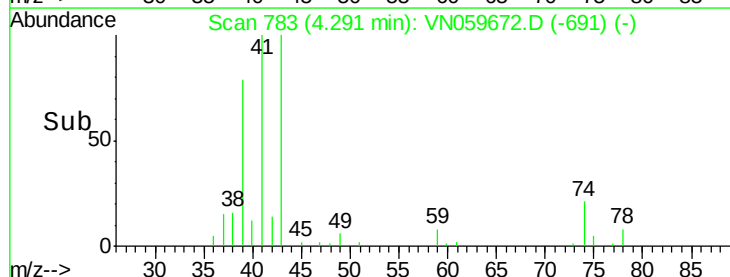
4.20

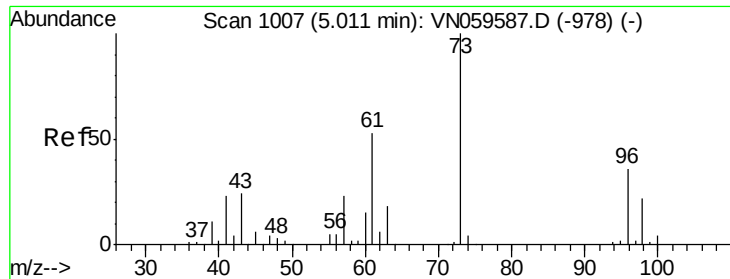
4.25

4.30

4.35

4.40

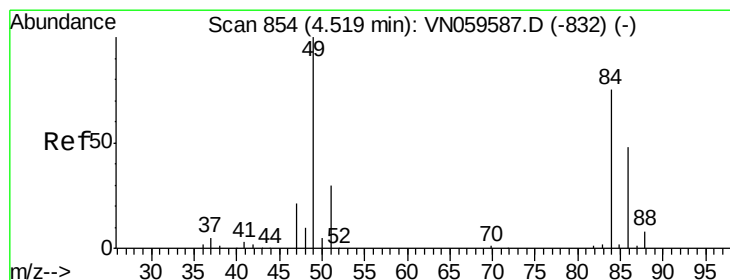
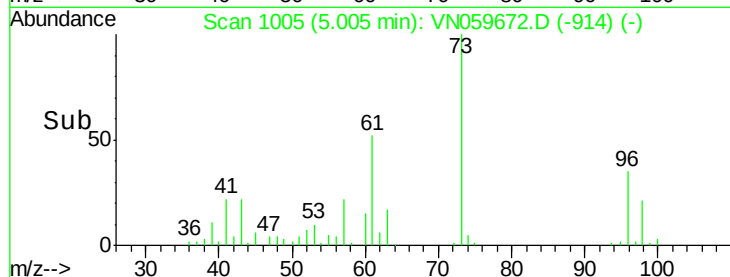
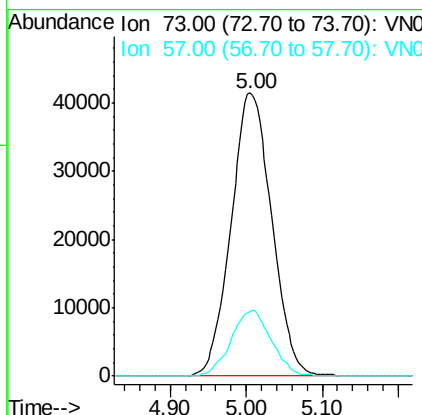
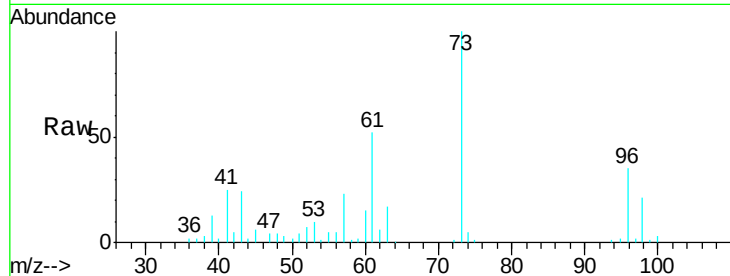




#19
Methyl tert-butyl Ether
Concen: 20.590 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

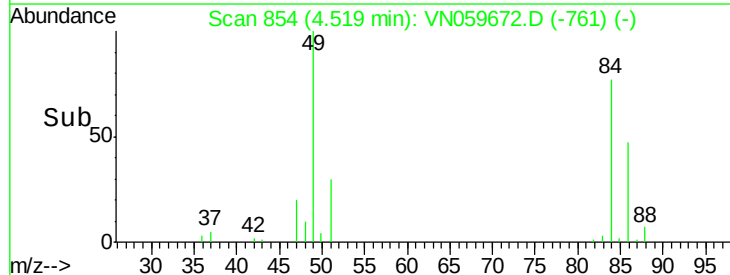
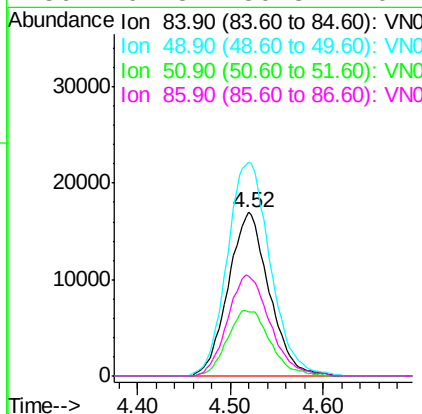
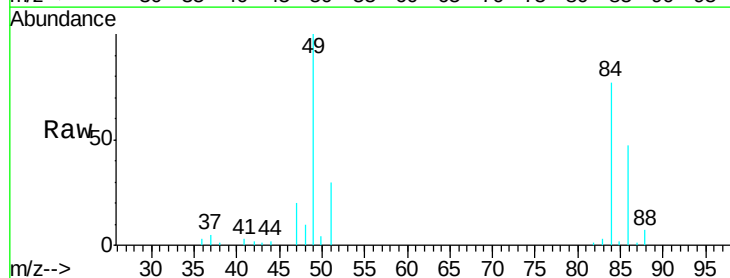
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

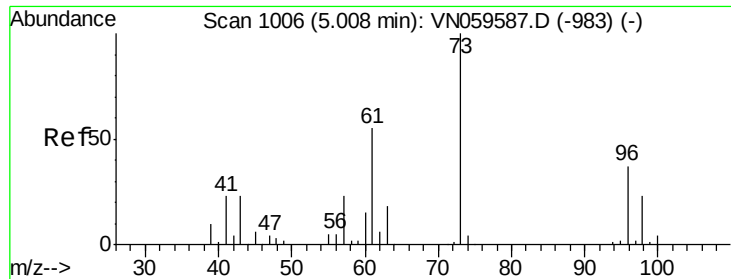
Tgt Ion: 73 Resp: 153985
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8



#20
Methylene Chloride
Concen: 20.639 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 84 Resp: 52004
Ion Ratio Lower Upper
84 100
49 130.5 106.6 160.0
51 39.4 31.9 47.9
86 61.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.497 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

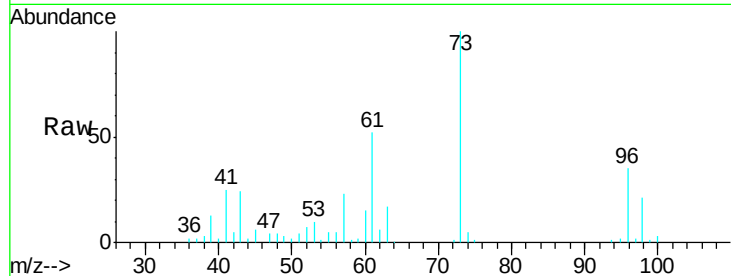
Tgt Ion: 96 Resp: 46037

Ion Ratio Lower Upper

96 100

61 150.1 120.4 180.6

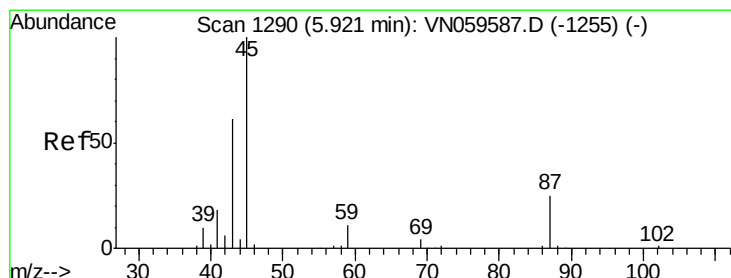
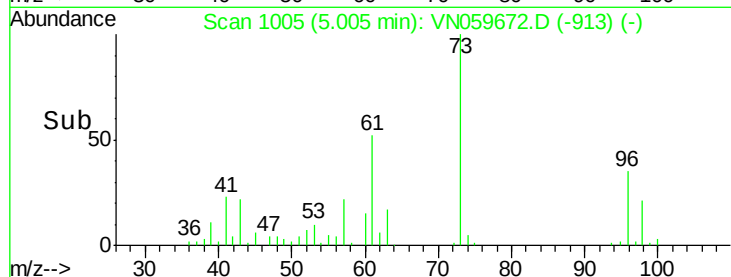
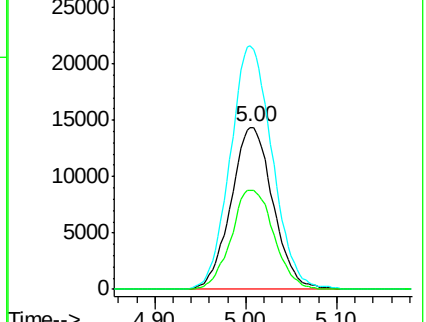
98 61.3 50.6 75.8



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: 21.126 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion: 45 Resp: 169350

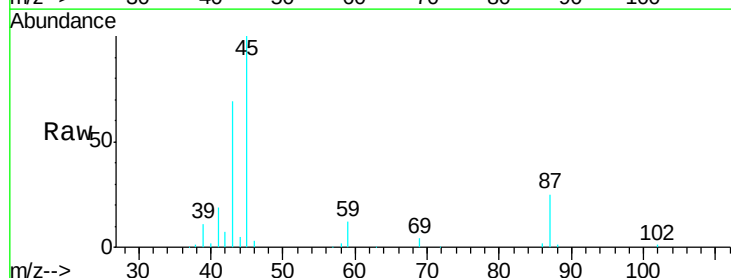
Ion Ratio Lower Upper

45 100

43 67.0 50.8 76.2

87 25.0 21.0 31.6

59 11.0 9.1 13.7

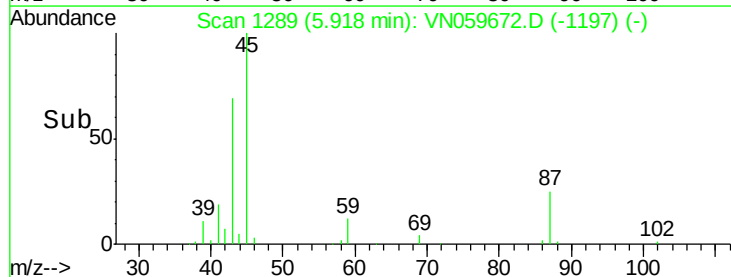
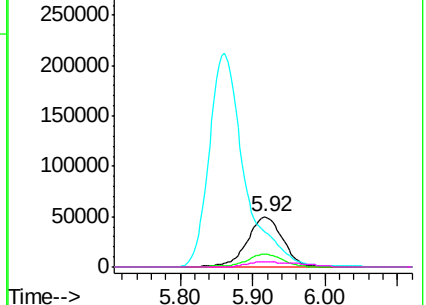


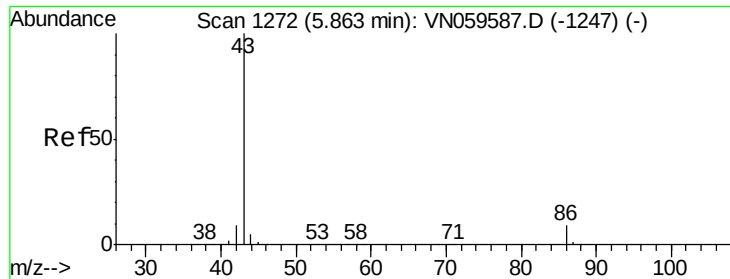
Abundance Ion 45.00 (44.70 to 45.70): VN059587.D (-1255) (-)

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: 113.947 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

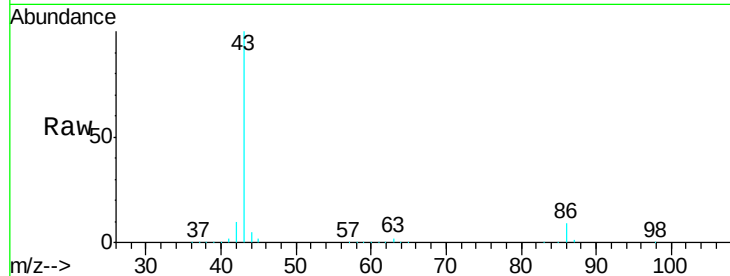
VN1219WBSD01

Tgt Ion: 43 Resp: 716821

Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN059587.D (-1247) (-)

5.86

250000

200000

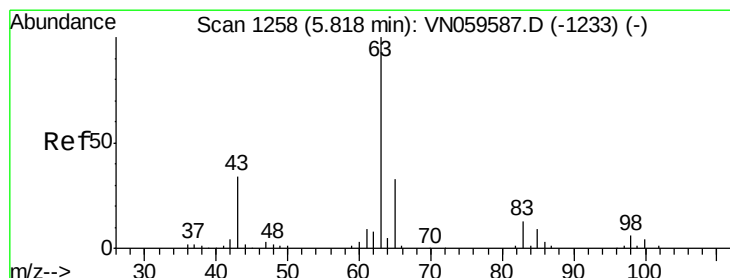
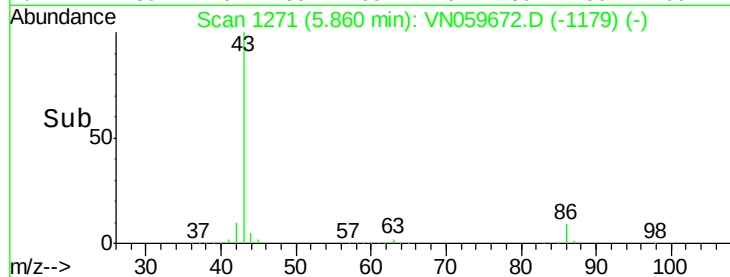
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.483 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

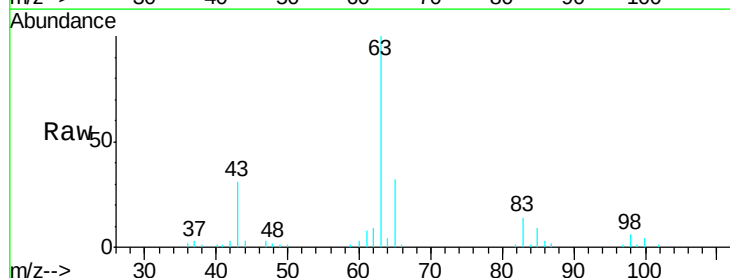
Tgt Ion: 63 Resp: 93013

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059587.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059587.D (-1233) (-)

5.82

40000

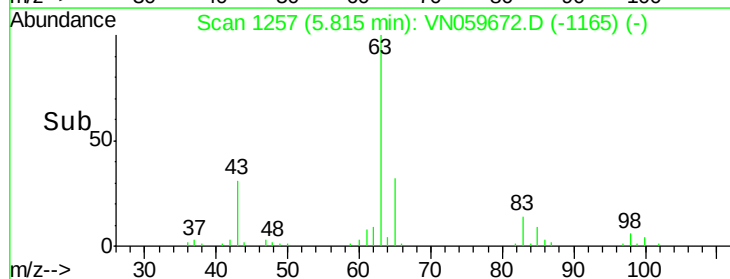
30000

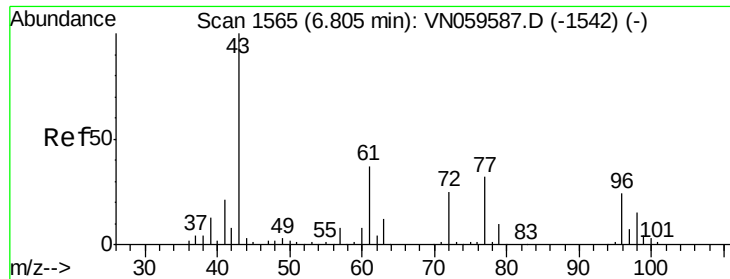
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 89.620 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

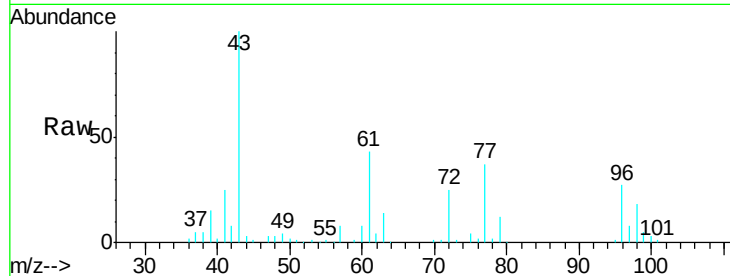
VN1219WBSD01

Tgt Ion: 43 Resp: 186969

Ion Ratio Lower Upper

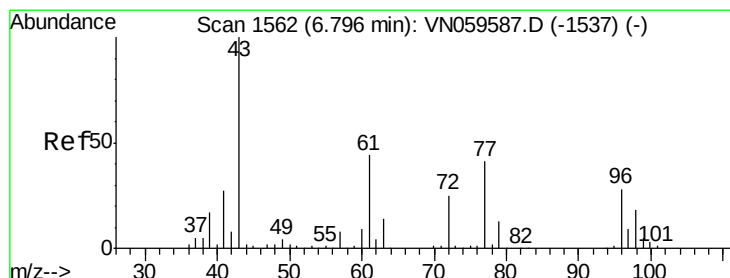
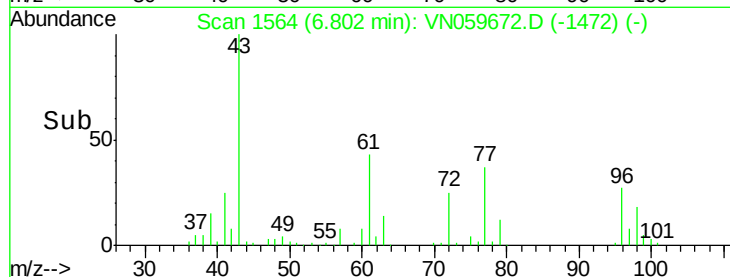
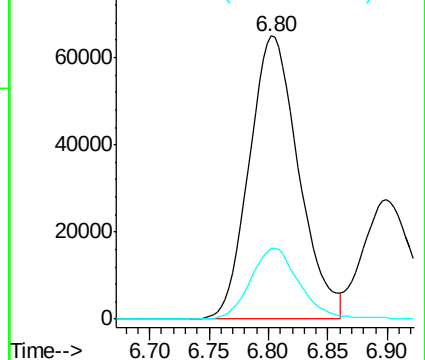
43 100

72 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.223 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059672.D

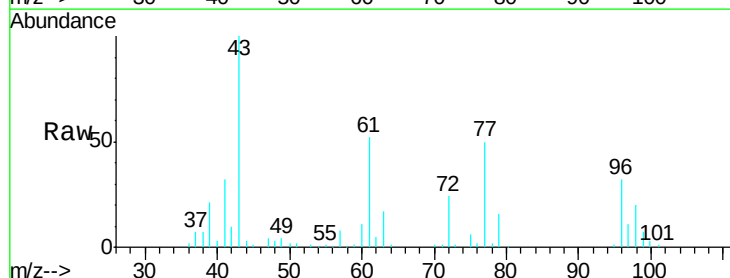
Acq: 19 Dec 2019 15:49

Tgt Ion: 77 Resp: 83461

Ion Ratio Lower Upper

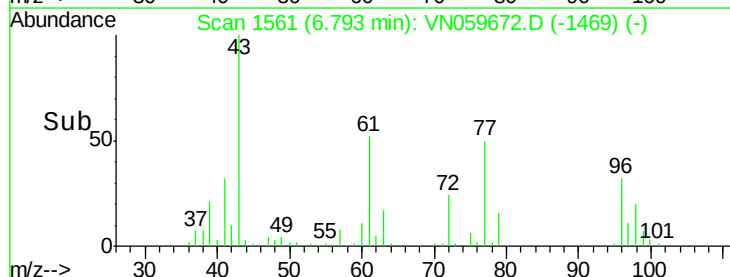
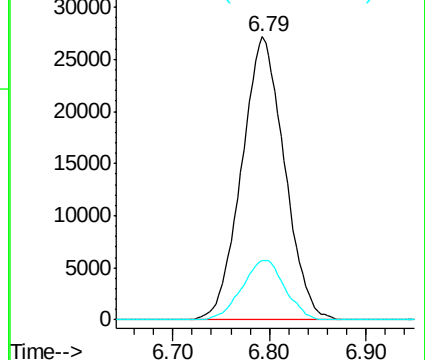
77 100

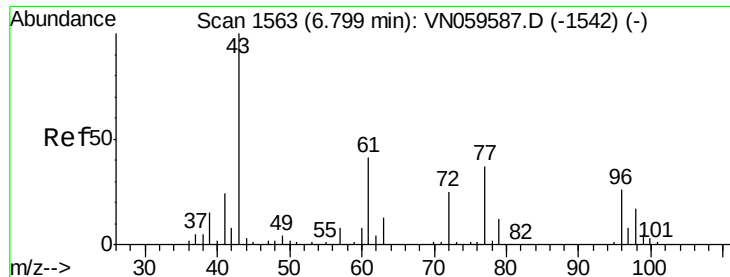
97 21.1 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.040 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

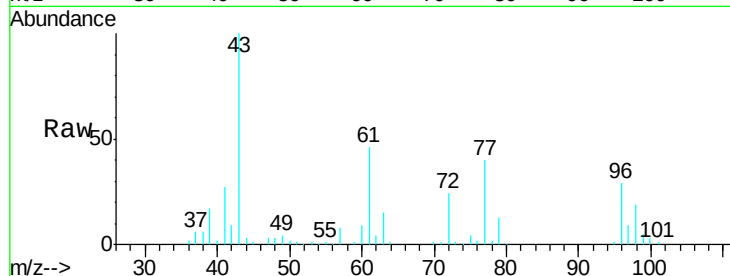
Tgt Ion: 96 Resp: 52433

Ion Ratio Lower Upper

96 100

61 161.3 0.0 317.6

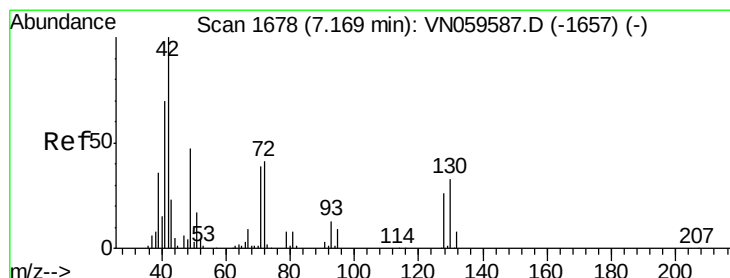
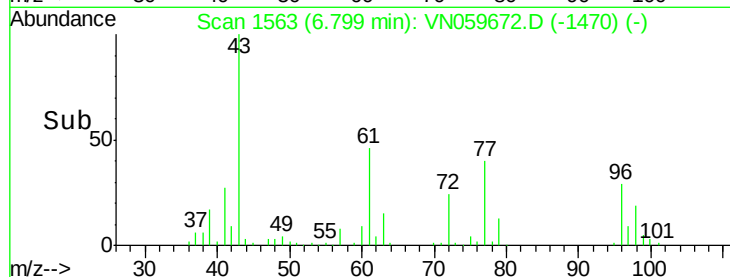
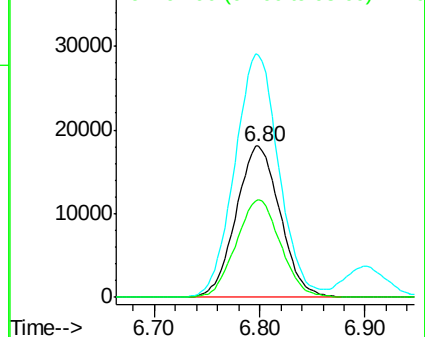
98 65.1 0.0 127.0



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: 21.549 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

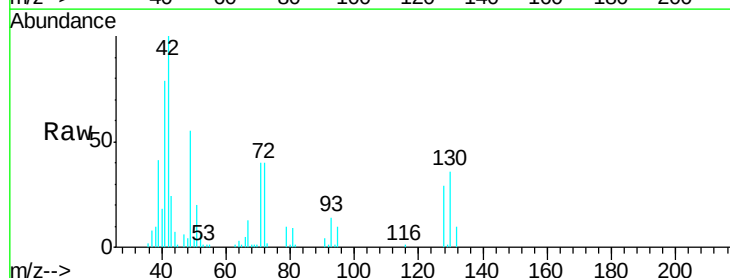
Tgt Ion: 49 Resp: 40603

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.4

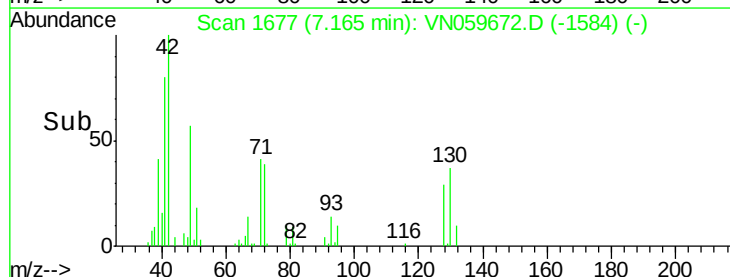
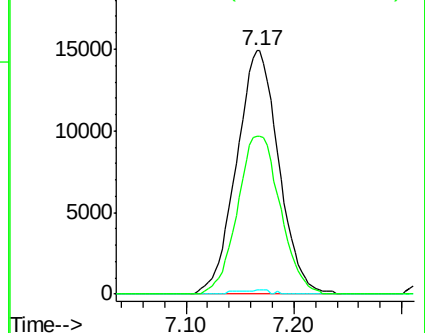
130 65.7 54.7 82.1

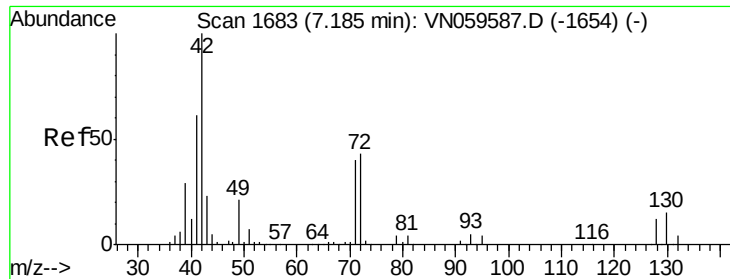


Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

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

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

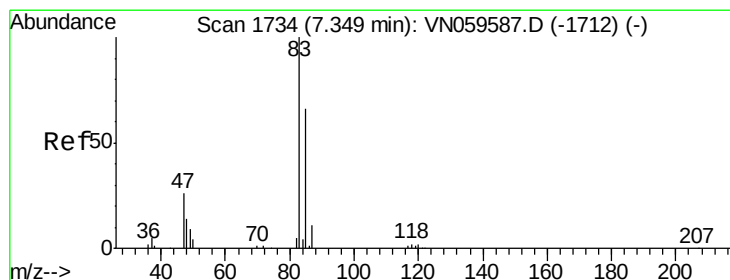
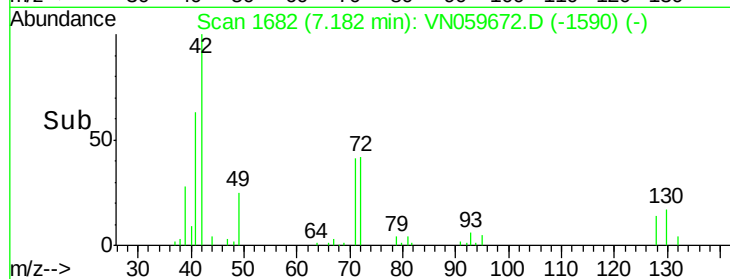
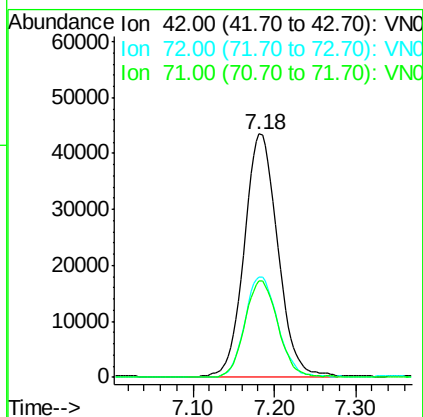
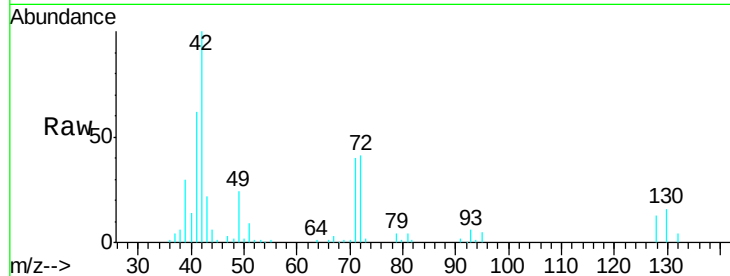




#29
Tetrahydrofuran
Concen: 97.529 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

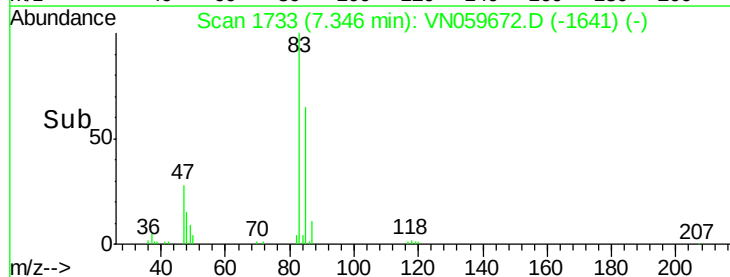
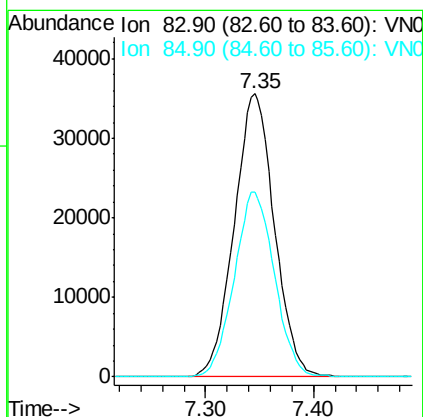
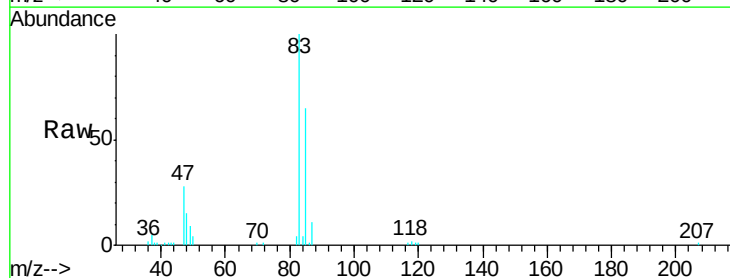
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

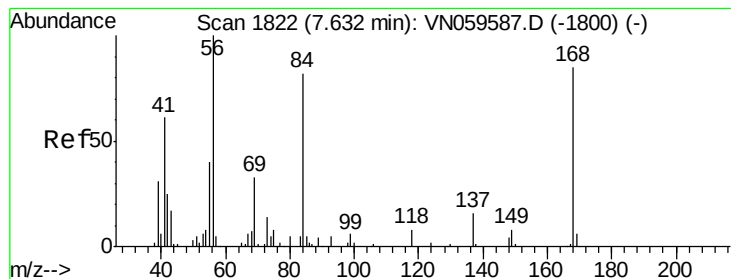
Tgt Ion: 42 Resp: 123971
Ion Ratio Lower Upper
42 100
72 40.4 33.1 49.7
71 38.8 31.4 47.0



#30
Chloroform
Concen: 20.583 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 83 Resp: 92002
Ion Ratio Lower Upper
83 100
85 65.4 52.4 78.6





#31

Cyclohexane

Concen: 19.570 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

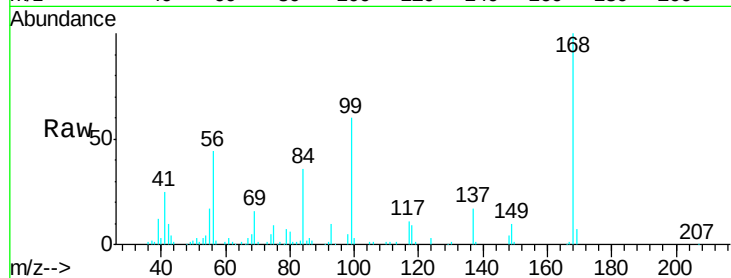
Tgt Ion: 56 Resp: 83965

Ion Ratio Lower Upper

56 100

69 35.7 26.5 39.7

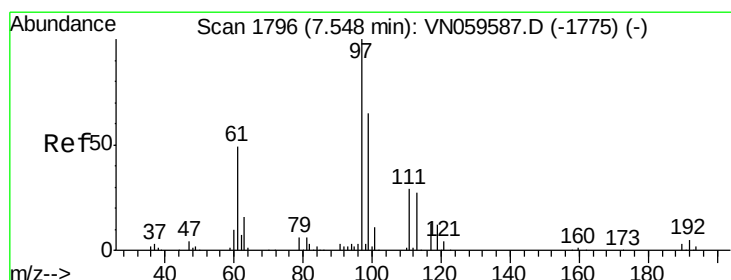
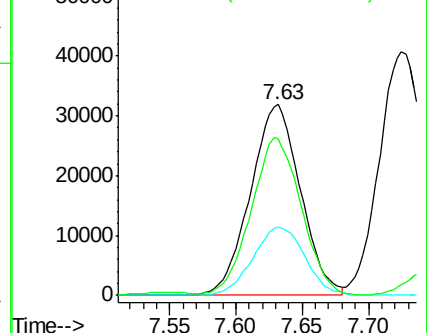
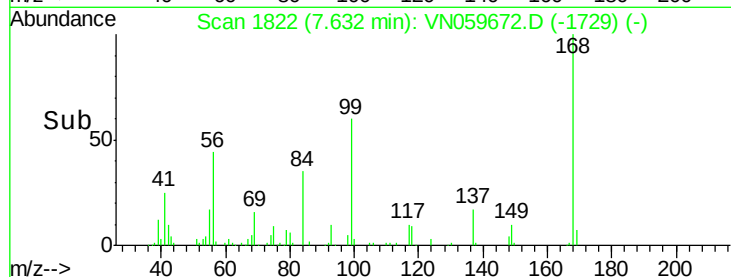
84 80.9 65.3 97.9



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: 19.992 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

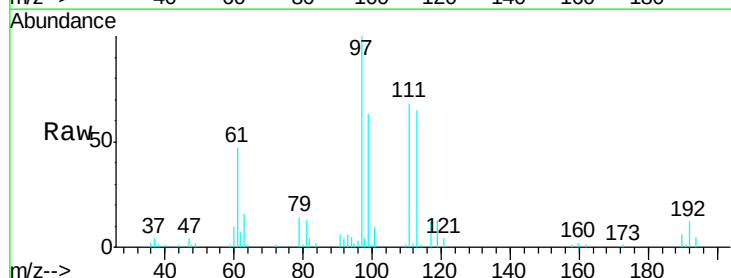
Tgt Ion: 97 Resp: 80562

Ion Ratio Lower Upper

97 100

99 62.8 51.0 76.4

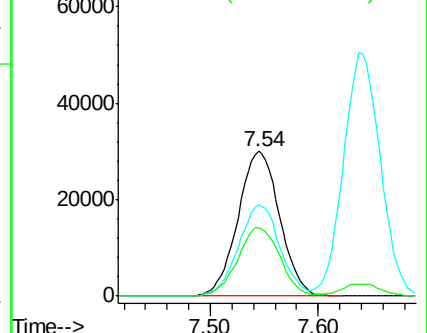
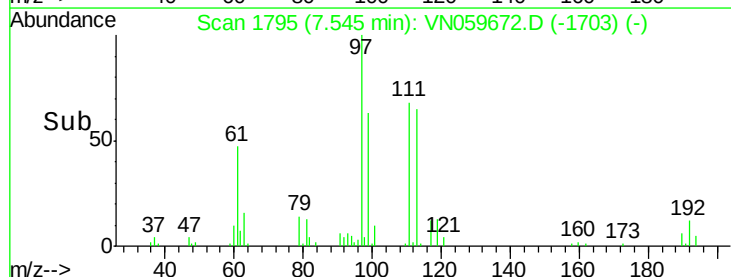
61 48.1 38.5 57.7

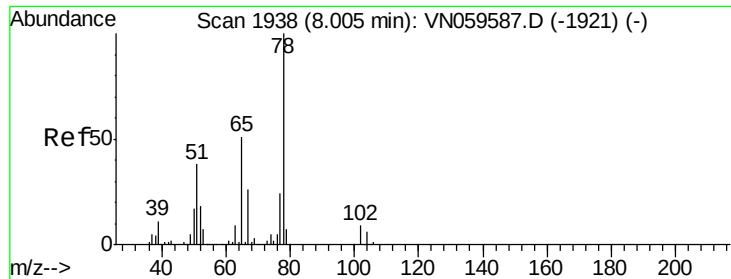


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

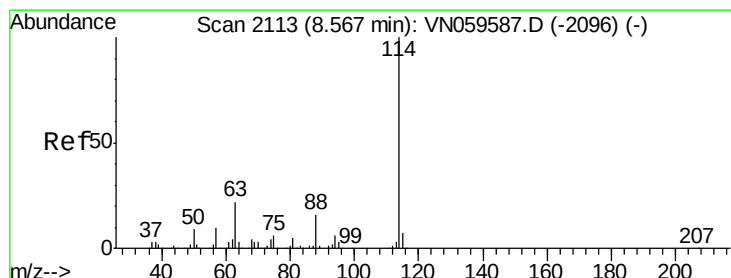
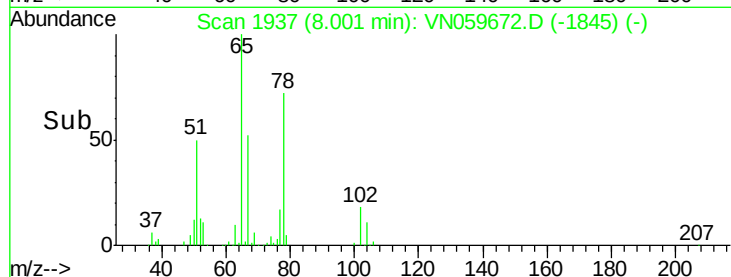
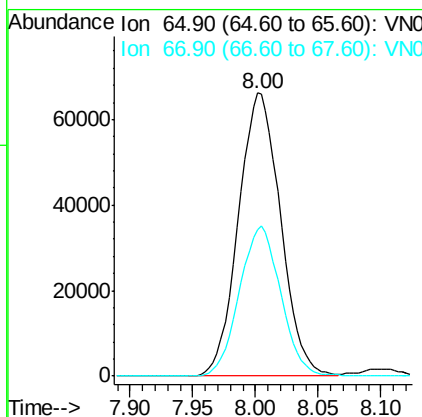
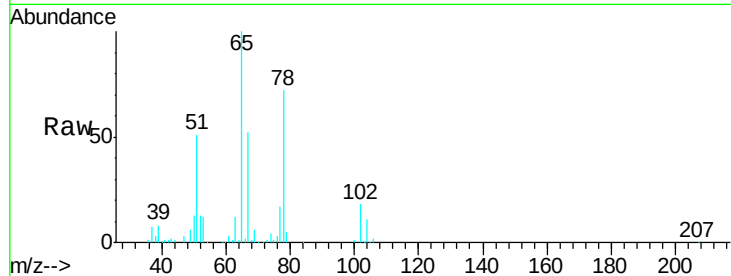




#33
 1,2-Dichloroethane-d4
 Concen: 52.701 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

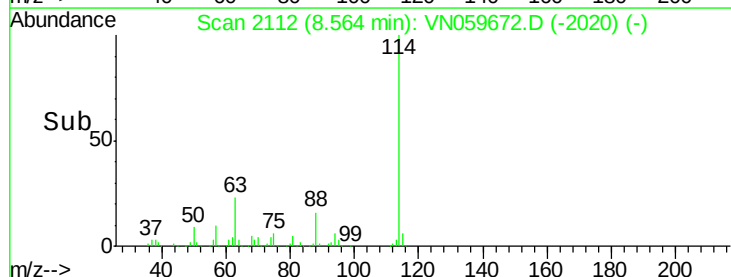
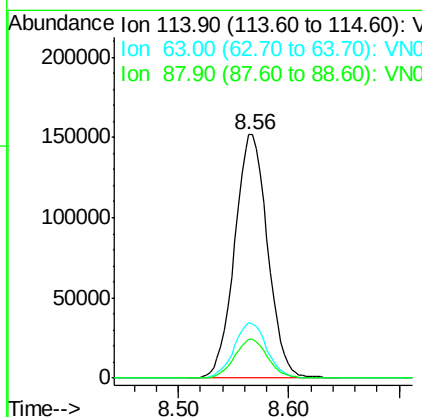
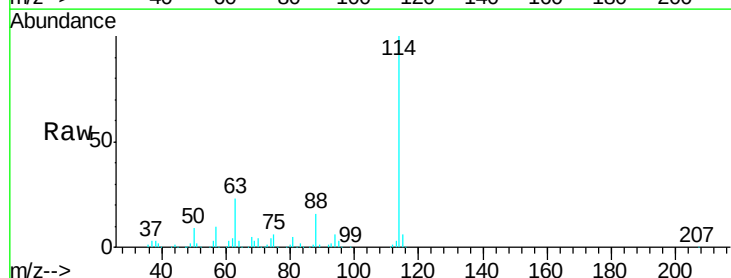
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

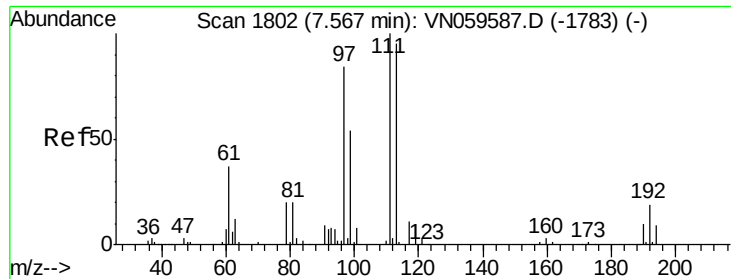
Tgt Ion: 65 Resp: 154864
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion: 114 Resp: 314154
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.6
 88 15.8 0.0 31.4

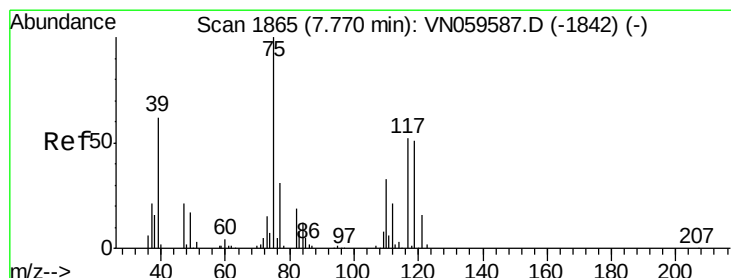
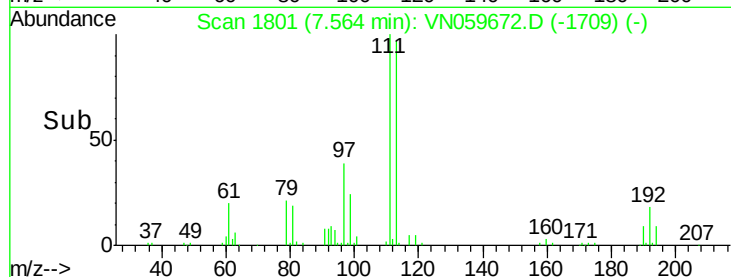
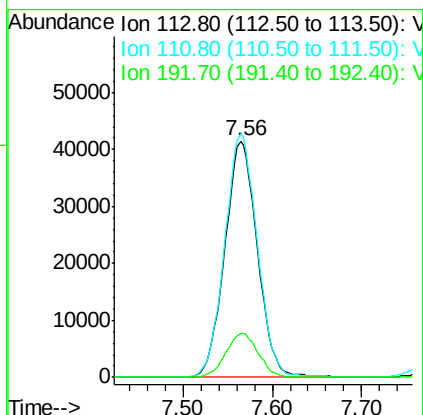
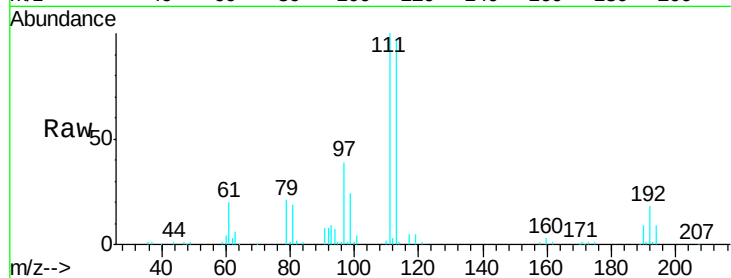




#35
Dibromofluoromethane
Concen: 53.290 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

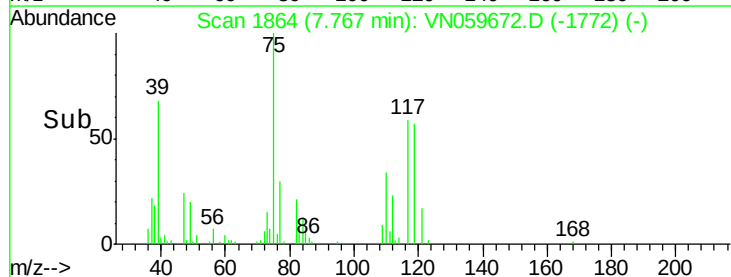
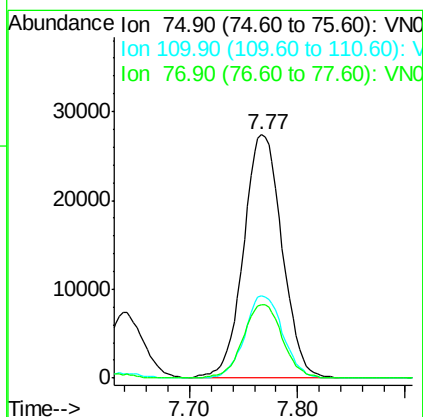
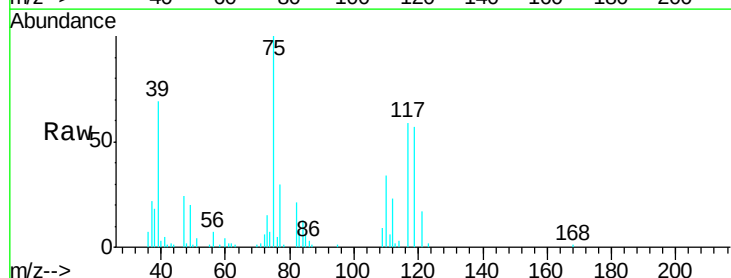
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

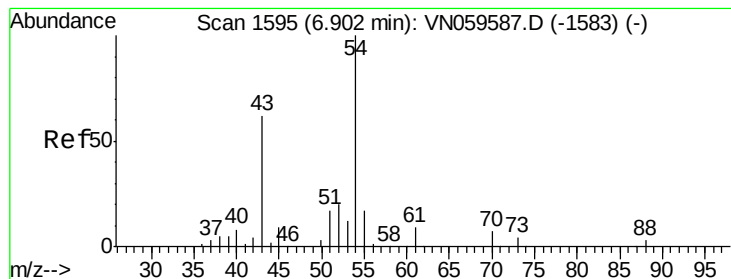
Tgt Ion:113 Resp: 104747
Ion Ratio Lower Upper
113 100
111 103.2 83.5 125.3
192 18.4 15.4 23.2



#36
1,1-Dichloropropene
Concen: 20.786 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 75 Resp: 68097
Ion Ratio Lower Upper
75 100
110 33.2 16.6 49.7
77 30.7 25.1 37.7





#37

Ethyl Acetate

Concen: 20.530 ug/l

RT: 6.90 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

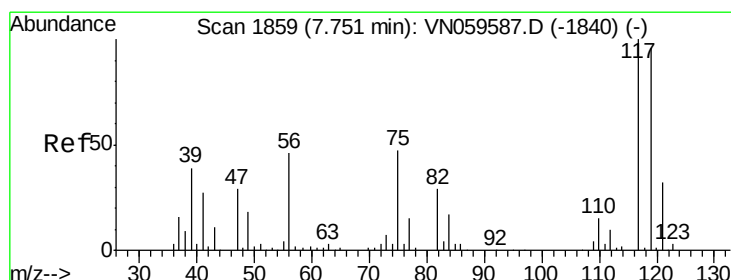
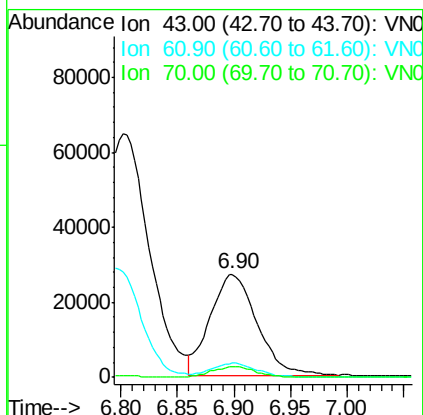
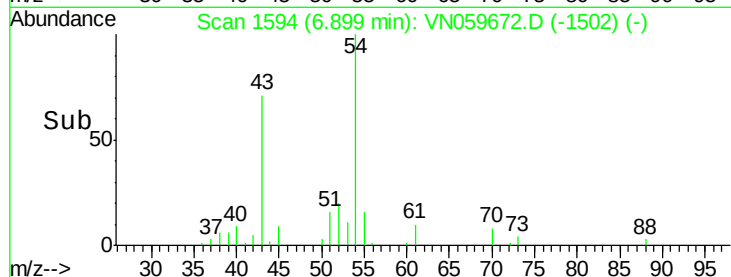
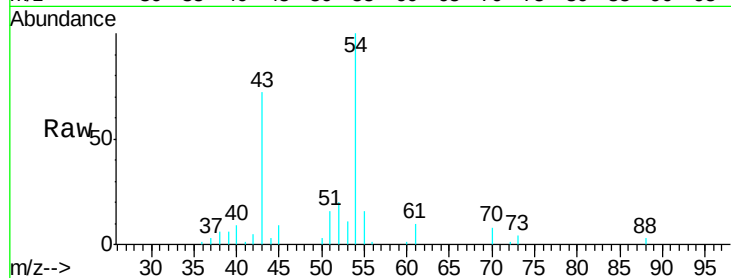
Tgt Ion: 43 Resp: 78175

Ion Ratio Lower Upper

43 100

61 13.6 10.9 16.3

70 9.7 7.7 11.5



#38

Carbon Tetrachloride

Concen: 20.005 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

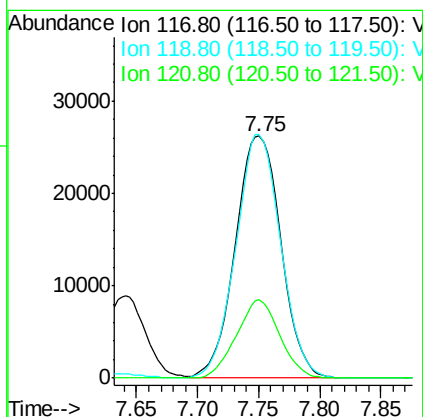
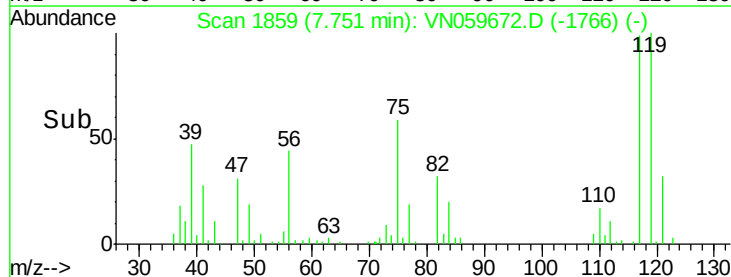
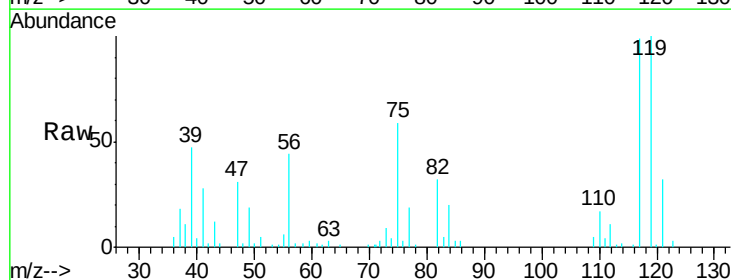
Tgt Ion: 117 Resp: 68009

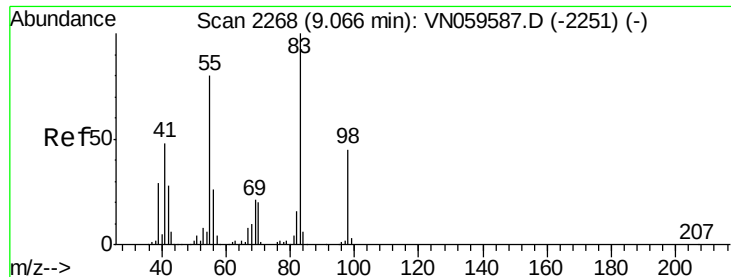
Ion Ratio Lower Upper

117 100

119 100.7 76.5 114.7

121 32.4 25.1 37.7

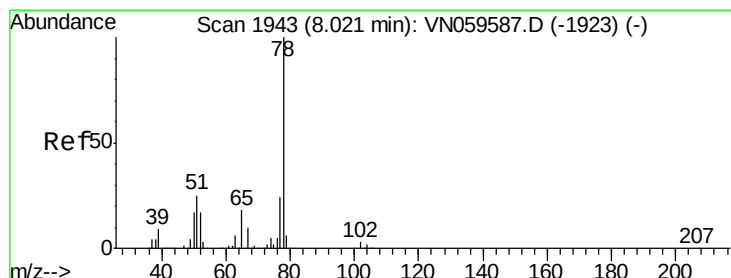
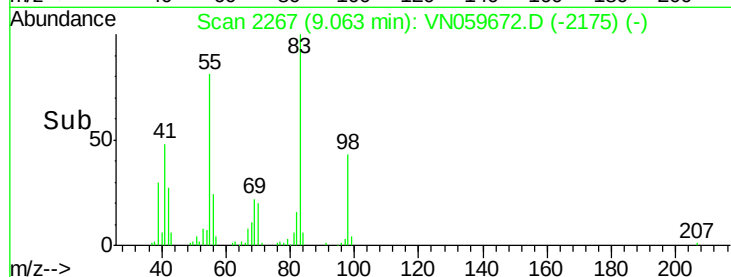
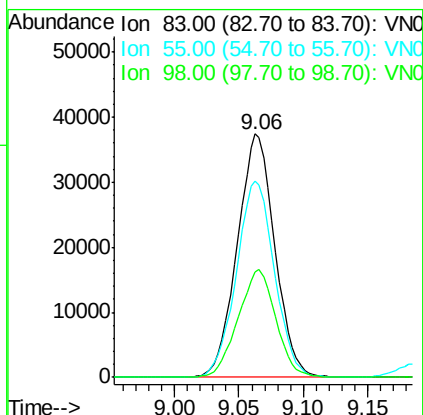
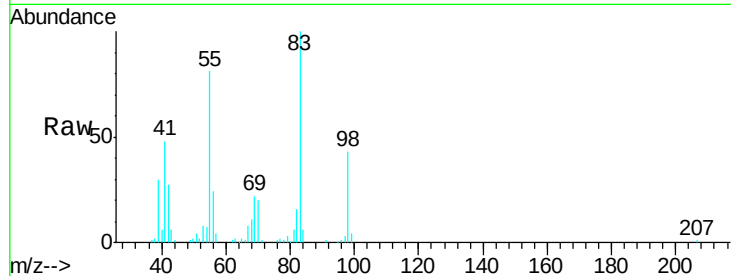




#39
Methylcyclohexane
Concen: 20.358 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

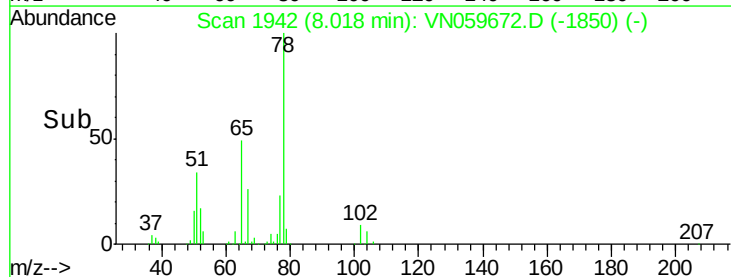
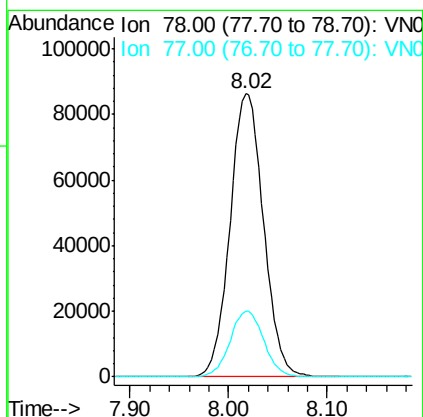
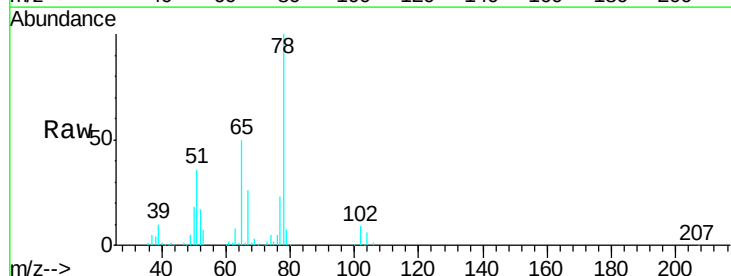
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

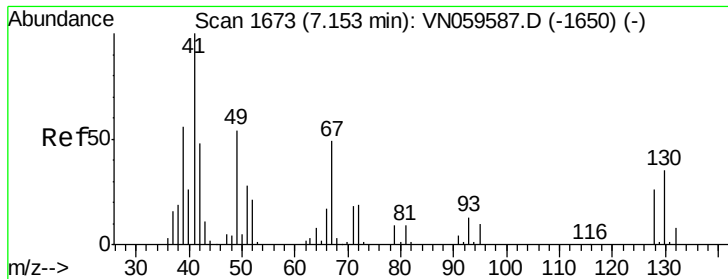
Tgt Ion: 83 Resp: 75653
Ion Ratio Lower Upper
83 100
55 80.8 64.2 96.2
98 43.2 35.9 53.9



#40
Benzene
Concen: 21.305 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 78 Resp: 203977
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

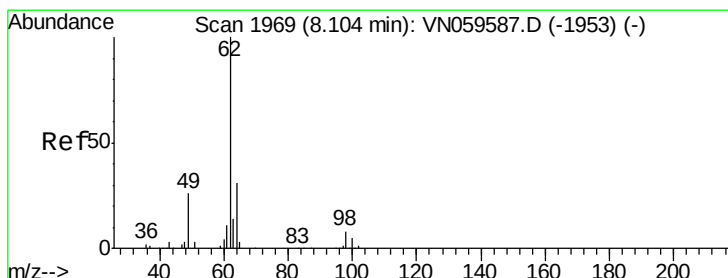
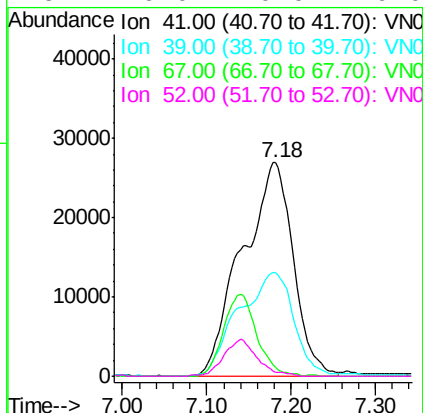
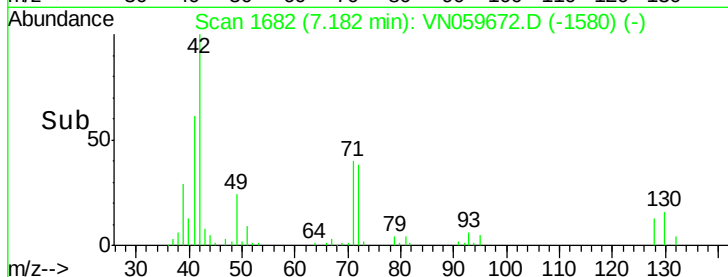
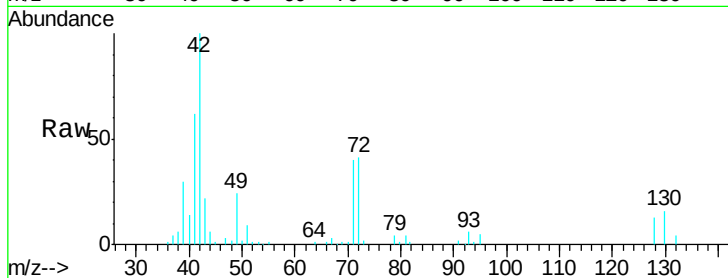




#41
Methacrylonitrile
Concen: 71.990 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

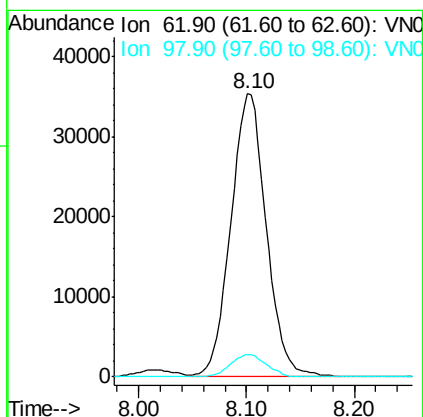
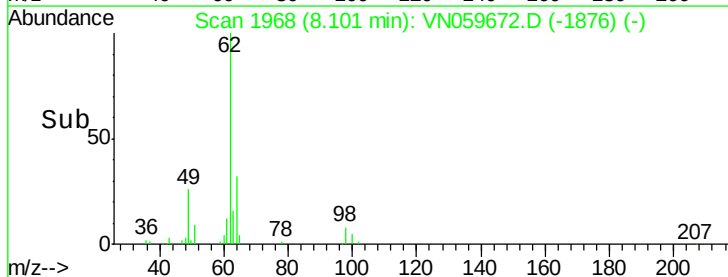
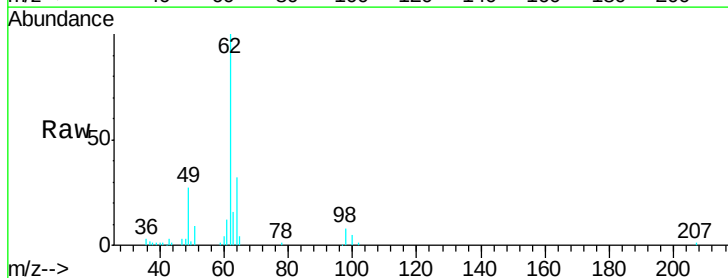
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

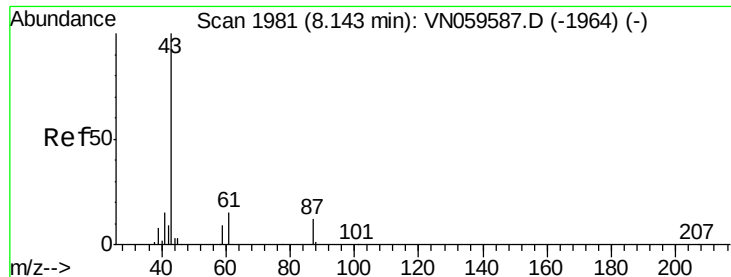
Tgt Ion:	41	Resp:	113130
Ion	Ratio	Lower	Upper
41	100		
39	52.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 22.089 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion:	62	Resp:	80990
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 21.032 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

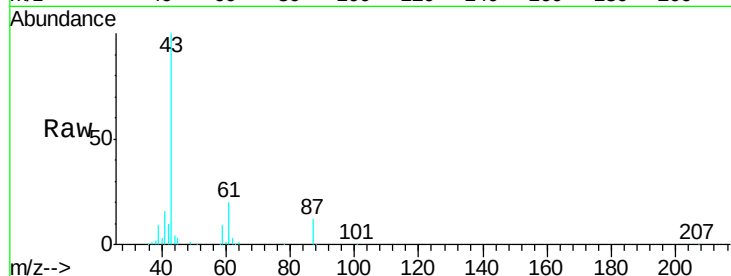
Tgt Ion: 43 Resp: 124508

Ion Ratio Lower Upper

43 100

61 25.8 20.2 30.2

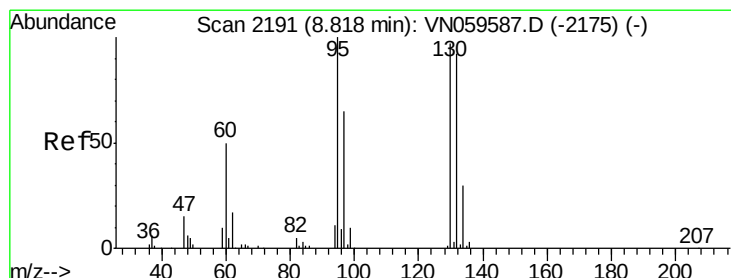
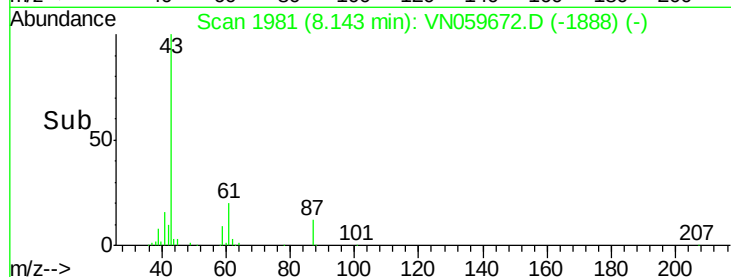
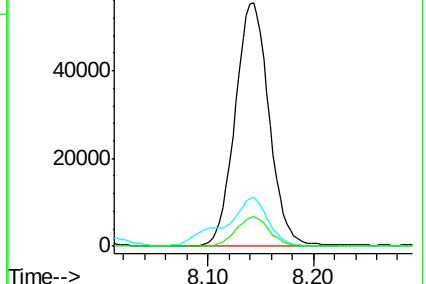
87 11.8 9.5 14.3



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: 20.899 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059672.D

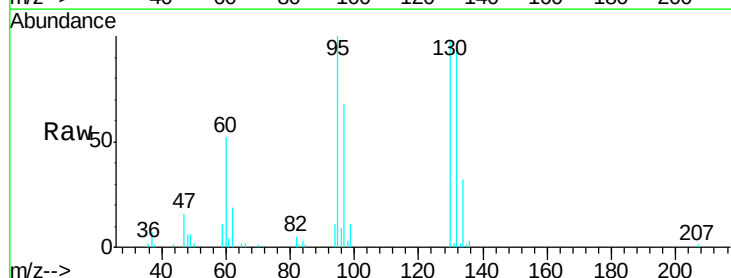
Acq: 19 Dec 2019 15:49

Tgt Ion: 130 Resp: 52411

Ion Ratio Lower Upper

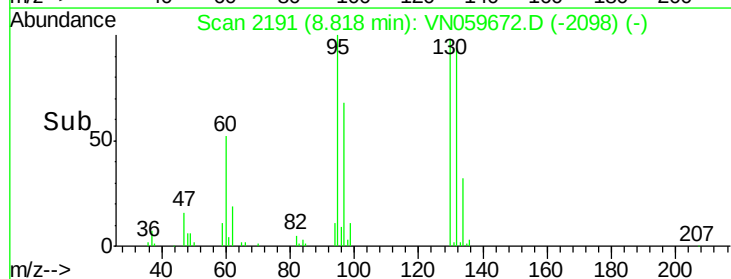
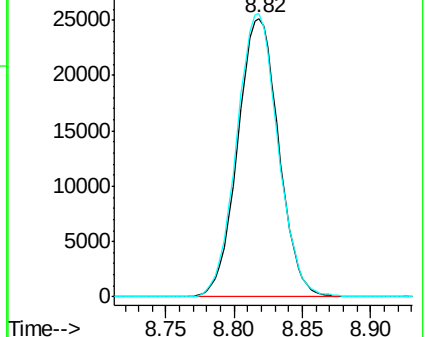
130 100

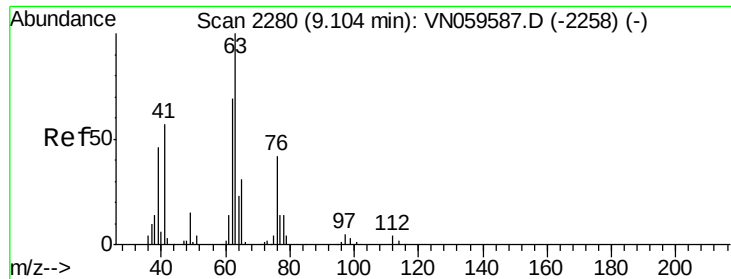
95 101.7 0.0 207.0



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

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

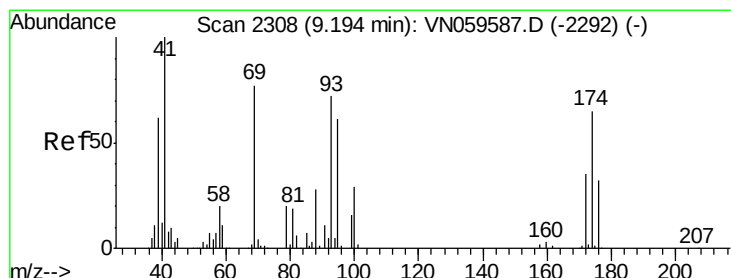
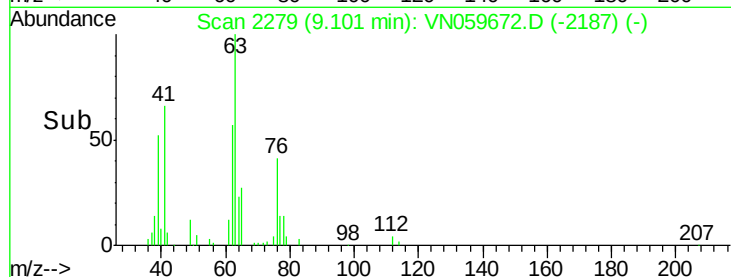
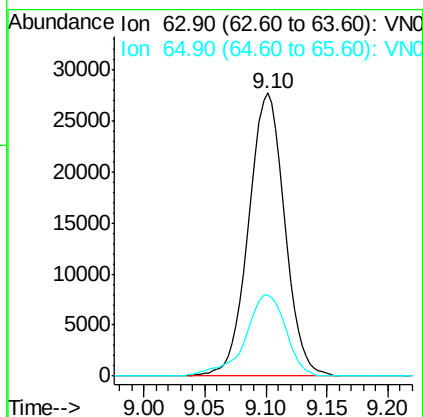
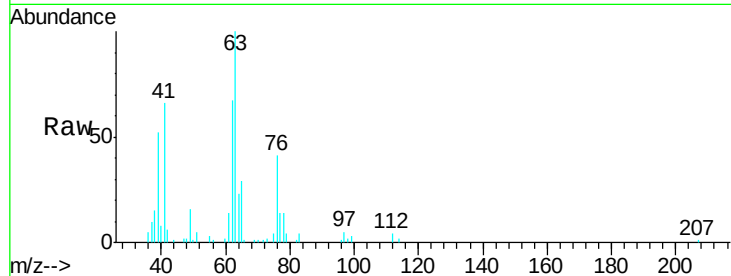




#45
 1,2-Dichloropropane
 Concen: 21.925 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

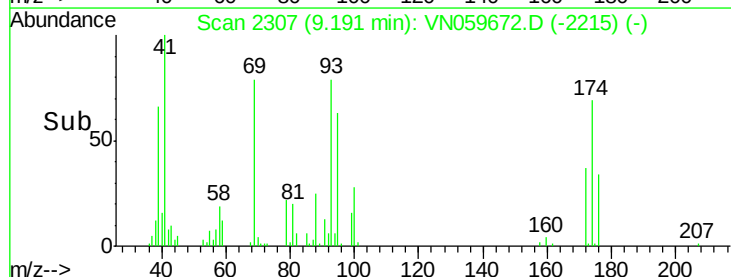
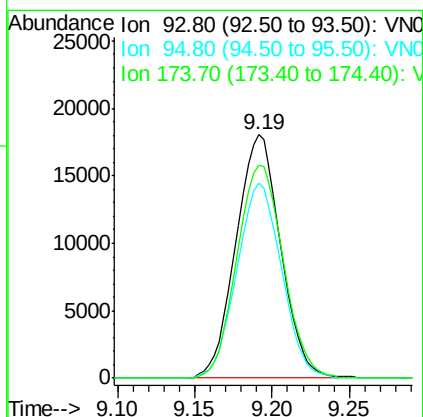
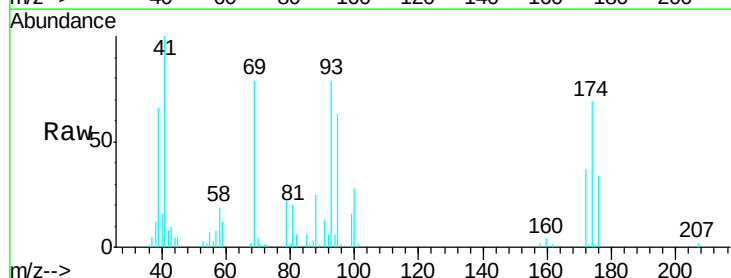
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

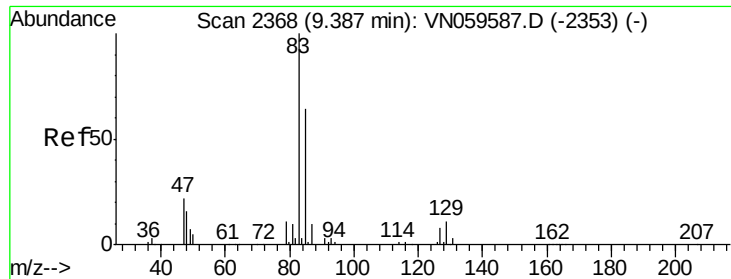
Tgt Ion: 63 Resp: 56686
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.9 37.3



#46
 Dibromomethane
 Concen: 21.410 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion: 93 Resp: 36264
 Ion Ratio Lower Upper
 93 100
 95 80.0 67.0 100.6
 174 90.8 73.4 110.2

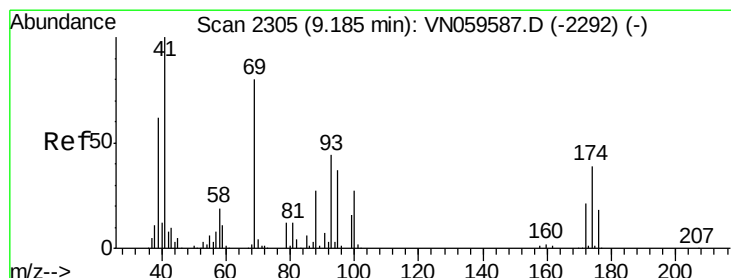
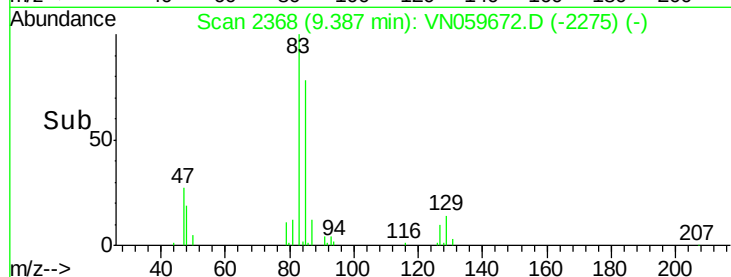
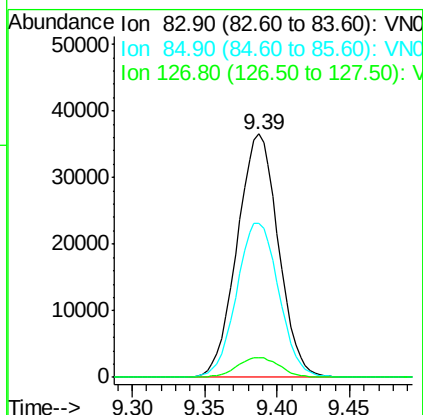
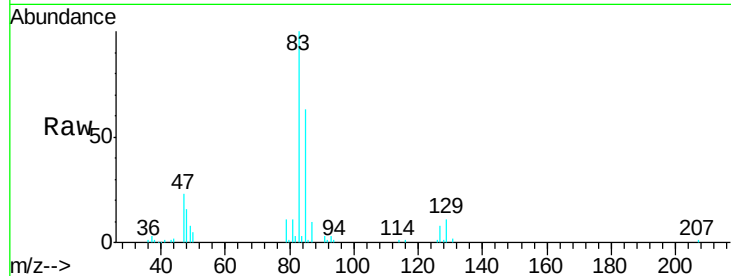




#47
Bromodichloromethane
Concen: 21.395 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

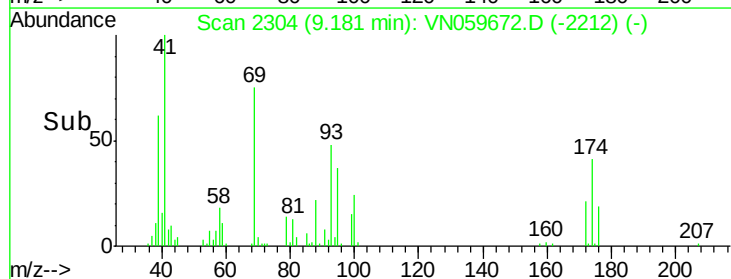
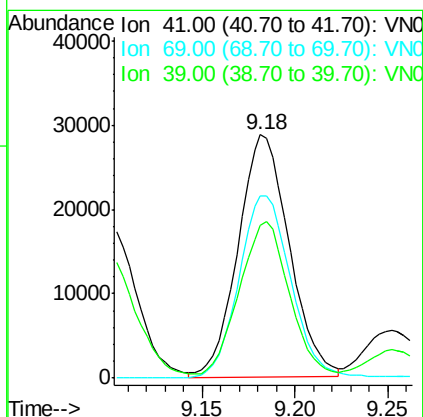
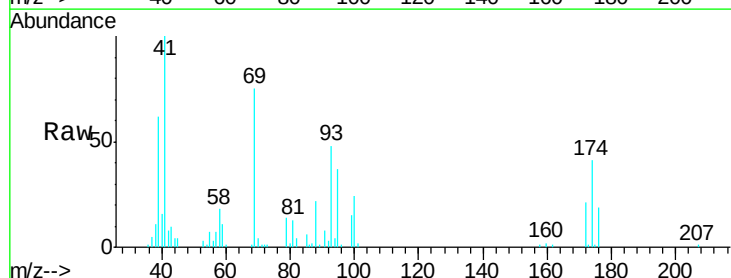
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

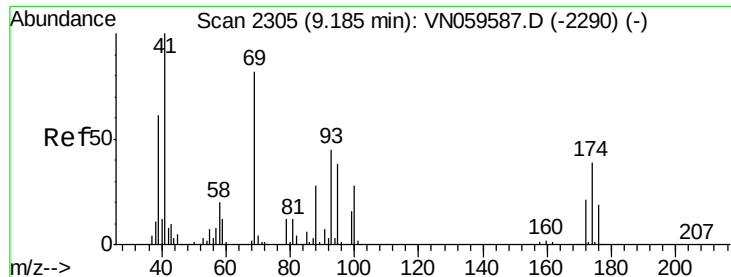
Tgt Ion: 83 Resp: 72253
Ion Ratio Lower Upper
83 100
85 63.3 51.1 76.7
127 8.2 6.6 9.8



#48
Methyl methacrylate
Concen: 20.480 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 41 Resp: 55009
Ion Ratio Lower Upper
41 100
69 76.4 64.4 96.6
39 63.5 51.3 76.9

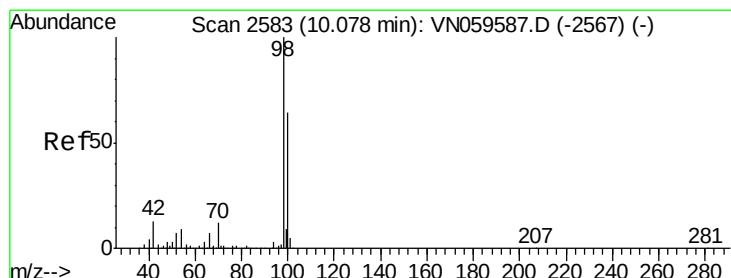
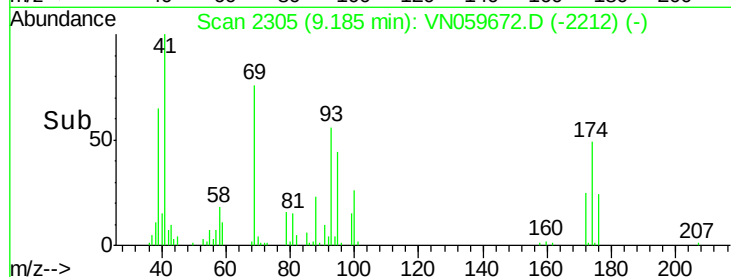
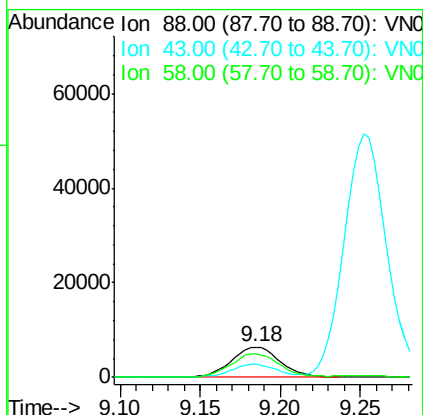
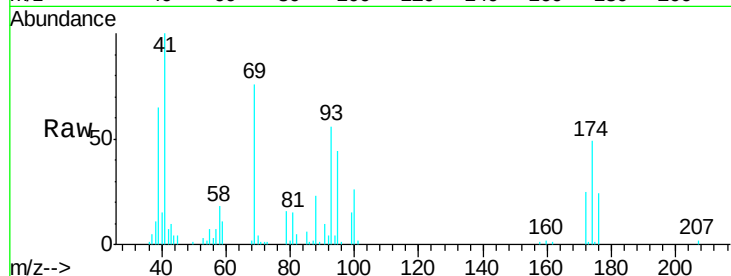




#49
1,4-Dioxane
Concen: 344.444 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

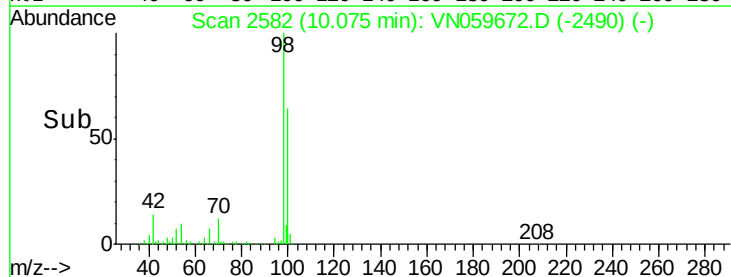
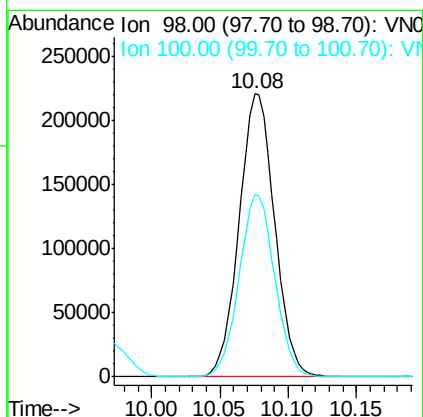
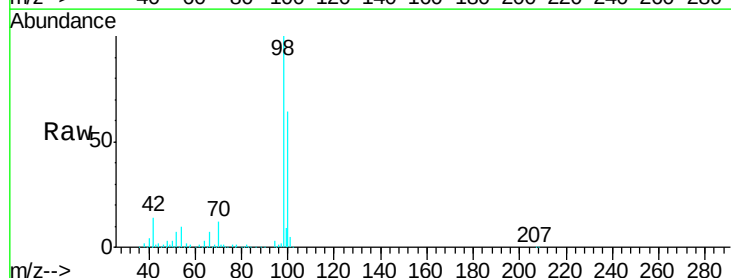
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

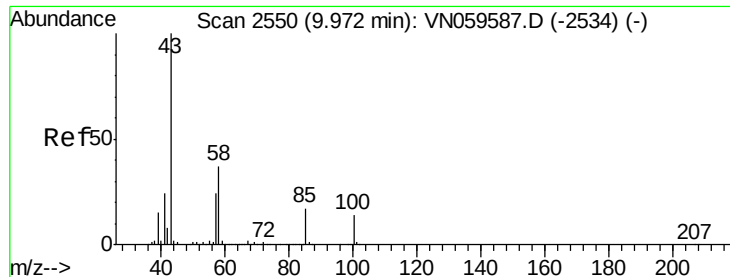
Tgt Ion: 88 Resp: 13258
Ion Ratio Lower Upper
88 100
43 42.6 29.7 44.5
58 78.2 56.6 85.0



#50
Toluene-d8
Concen: 51.401 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 98 Resp: 400014
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8

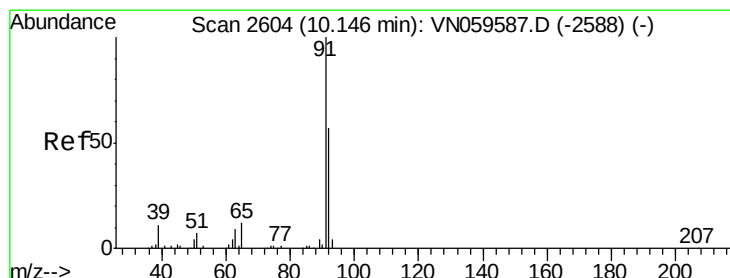
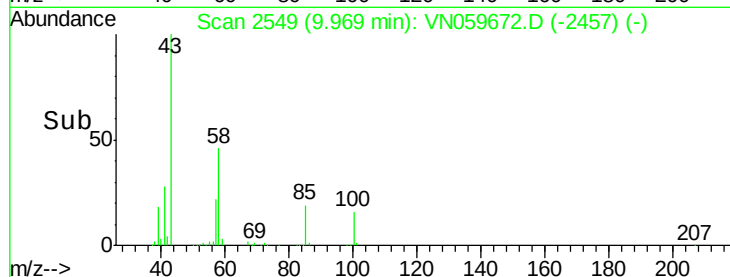
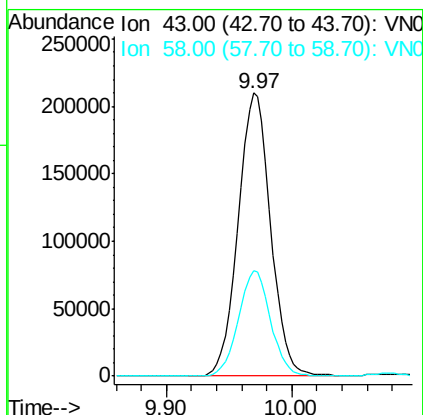
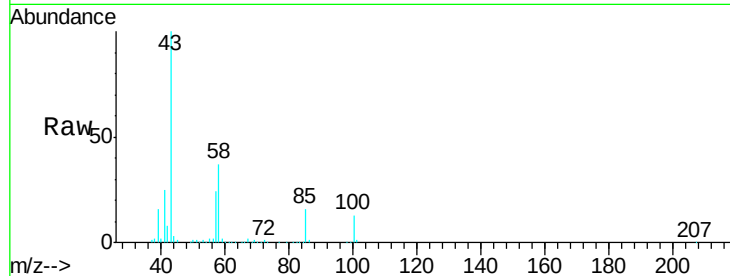




#51
 4-Methyl-2-Pentanone
 Concen: 106.848 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

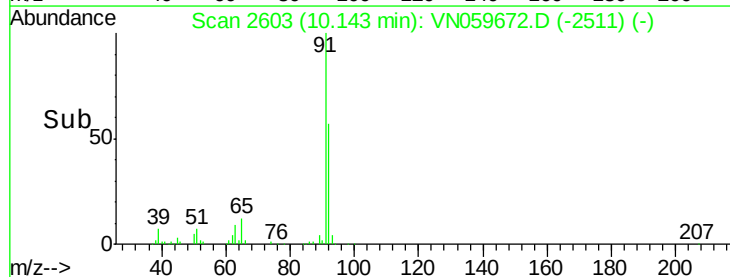
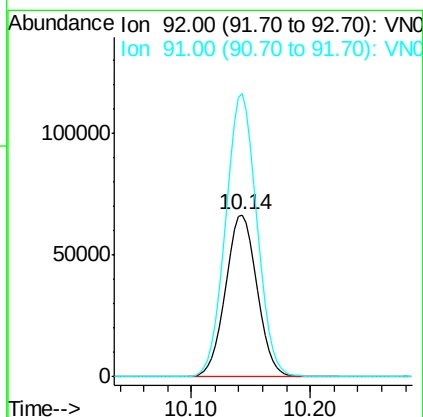
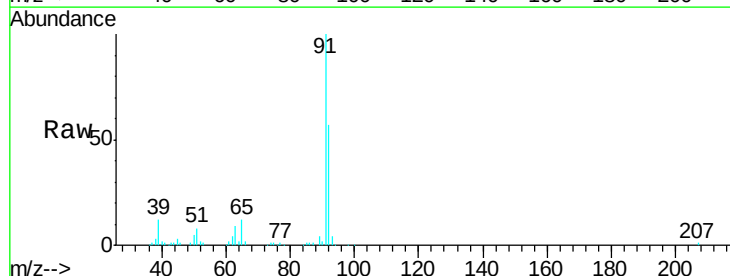
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

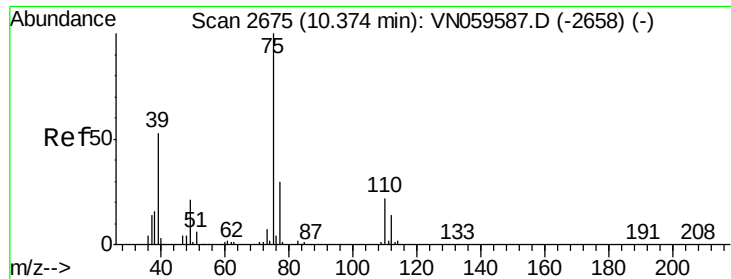
Tgt Ion: 43 Resp: 377139
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.8 44.8



#52
 Toluene
 Concen: 20.828 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion: 92 Resp: 122525
 Ion Ratio Lower Upper
 92 100
 91 173.4 140.4 210.6

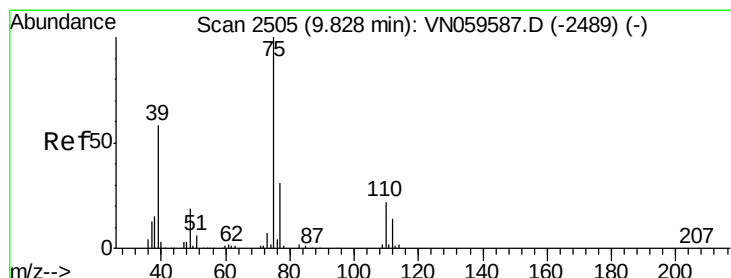
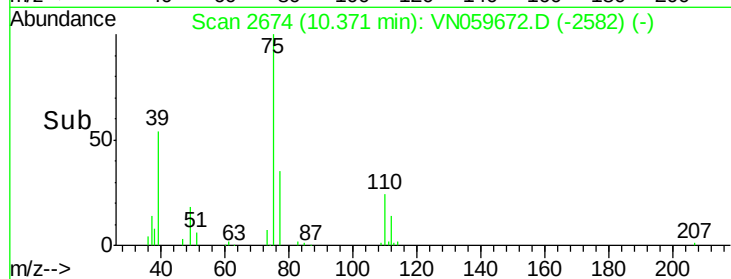
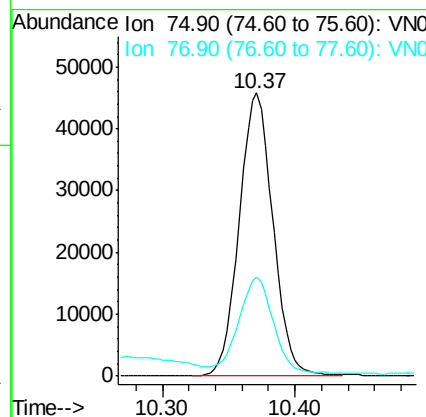
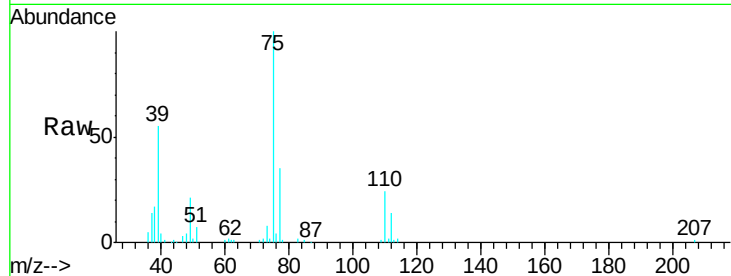




#53
t-1,3-Dichloropropene
Concen: 20.754 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

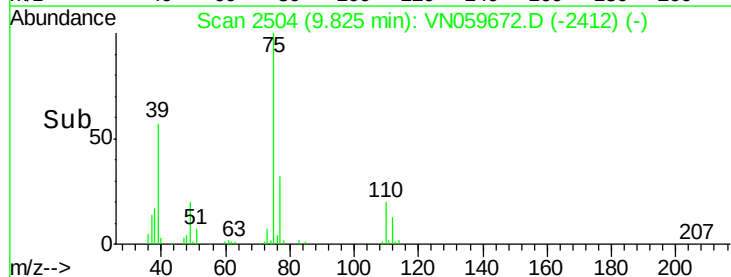
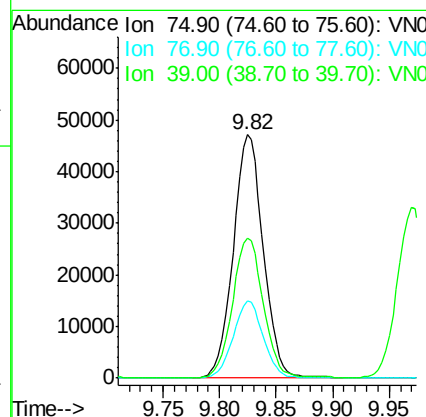
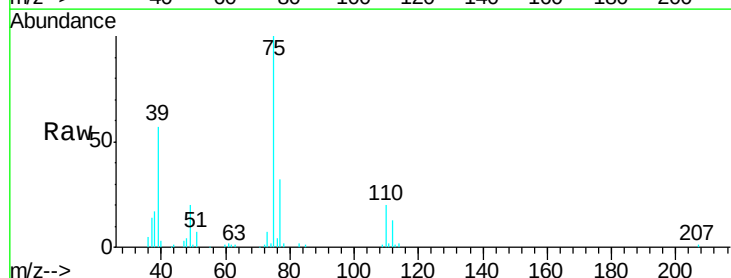
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

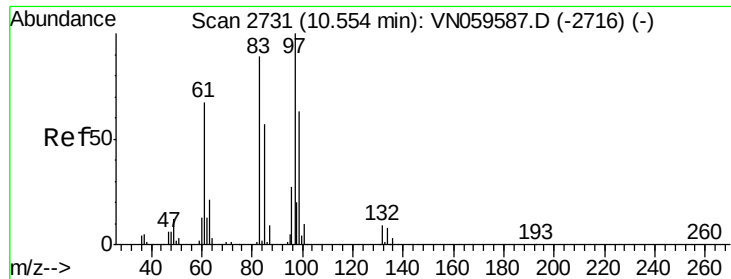
Tgt Ion: 75 Resp: 81059
Ion Ratio Lower Upper
75 100
77 33.9 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 21.142 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 75 Resp: 86798
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 57.4 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 22.200 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tgt Ion: 97 Resp: 51246

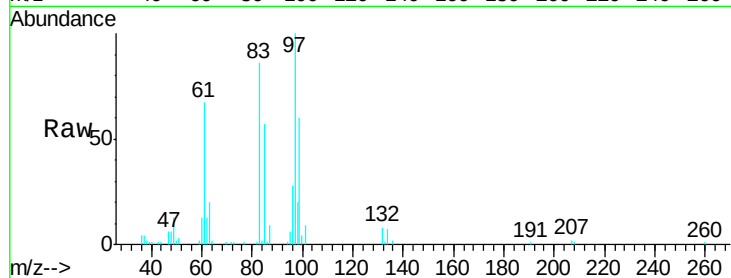
Ion Ratio Lower Upper

97 100

83 85.8 71.3 106.9

85 57.2 45.8 68.8

99 60.4 50.0 75.0

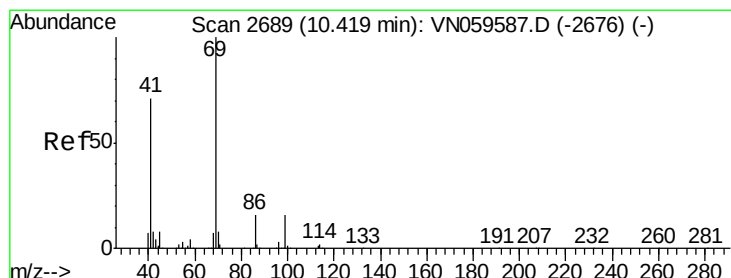
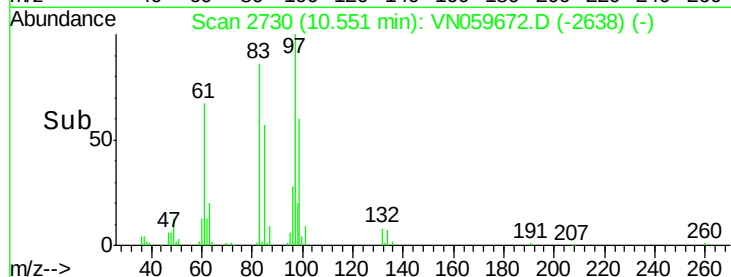
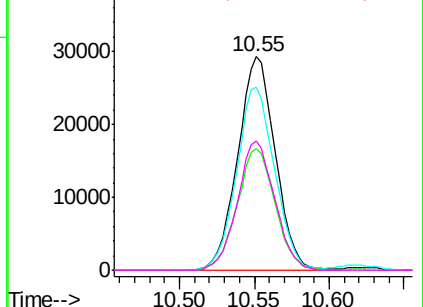


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.527 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

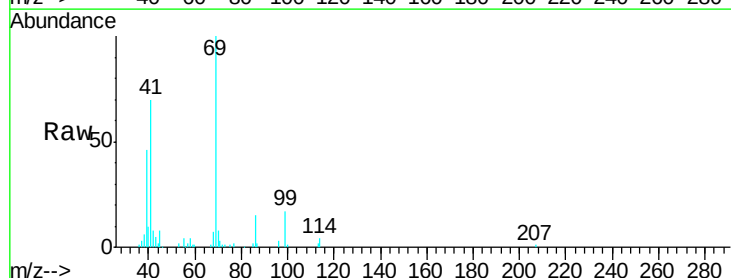
Tgt Ion: 69 Resp: 70344

Ion Ratio Lower Upper

69 100

41 71.0 57.1 85.7

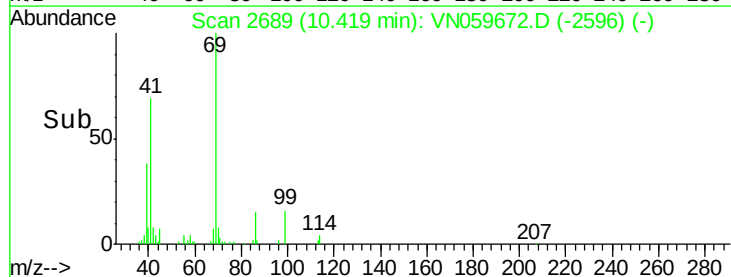
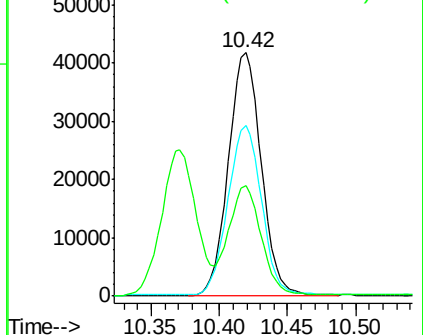
39 44.7 34.7 52.1

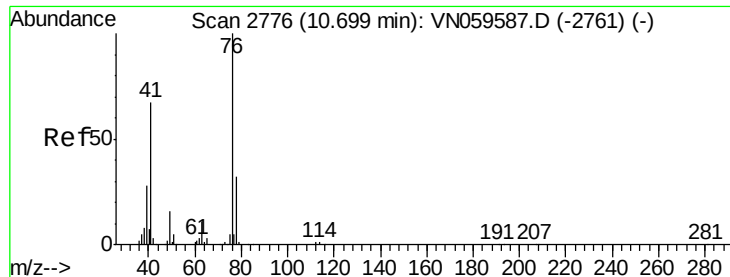


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.522 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

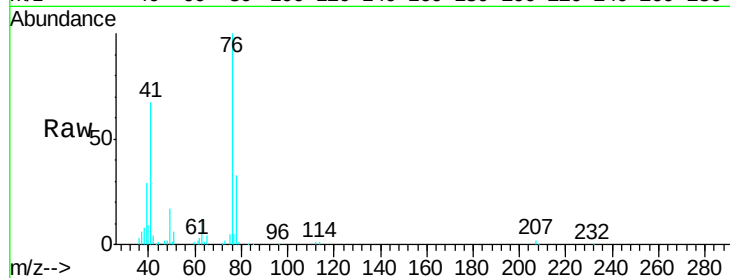
VN1219WBSD01

Tgt Ion: 76 Resp: 86502

Ion Ratio Lower Upper

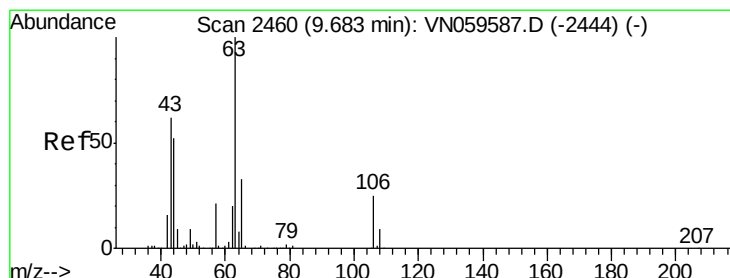
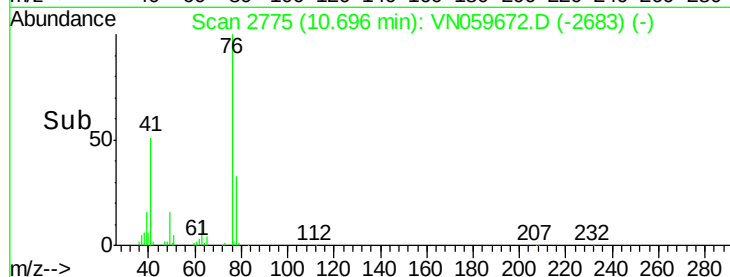
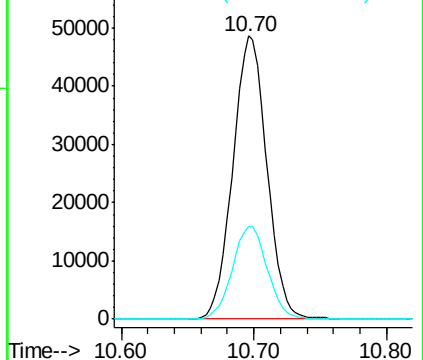
76 100

78 33.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 116.109 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059672.D

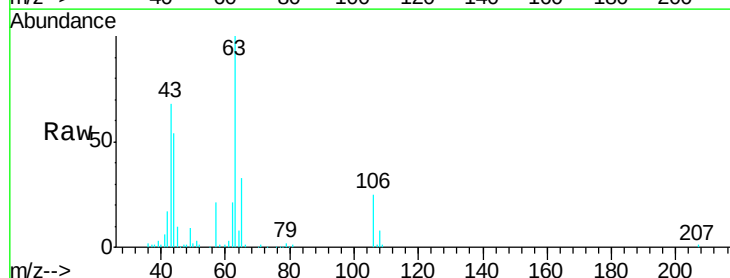
Acq: 19 Dec 2019 15:49

Tgt Ion: 63 Resp: 126547

Ion Ratio Lower Upper

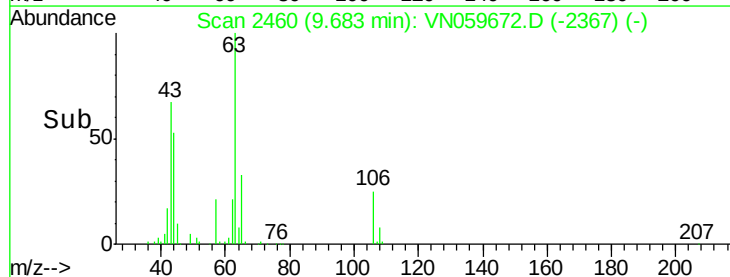
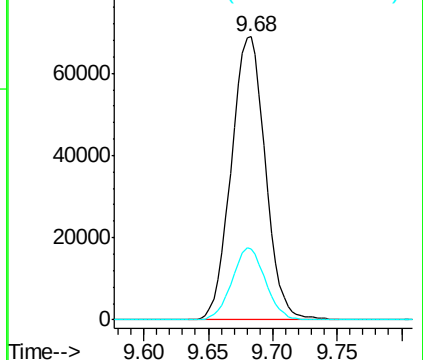
63 100

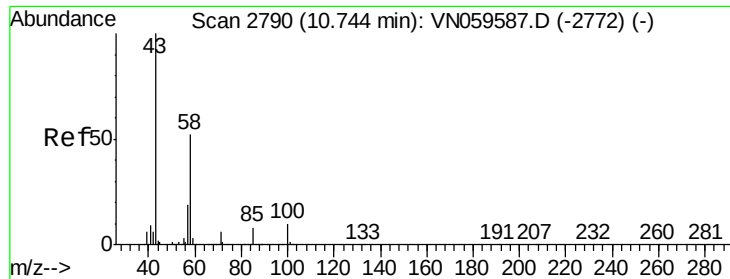
106 24.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

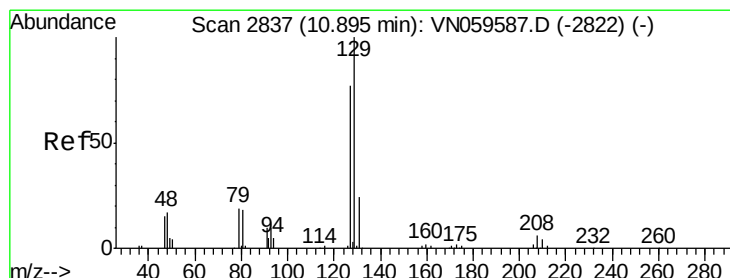
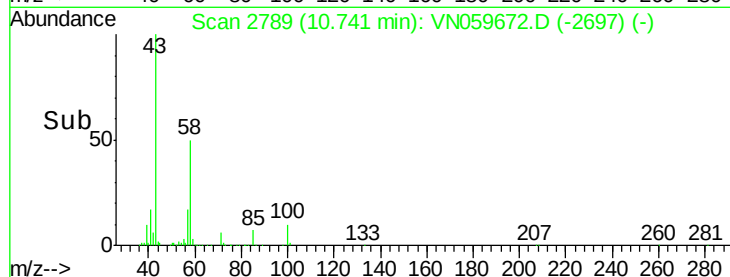
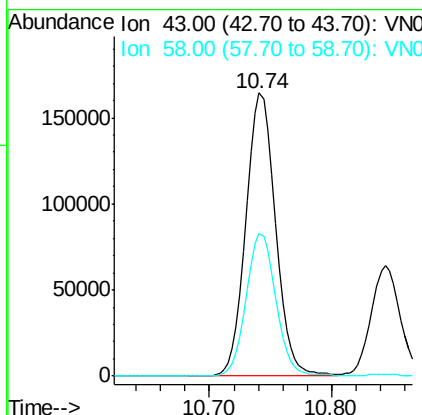
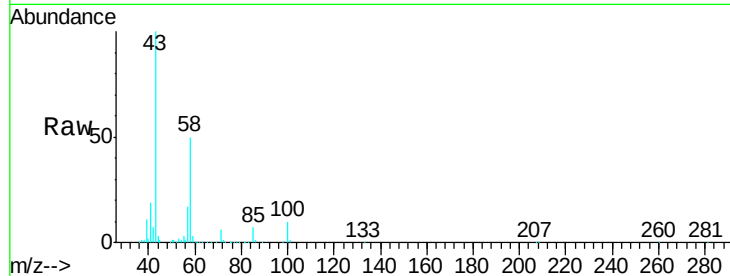




#59
2-Hexanone
Concen: 98.743 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

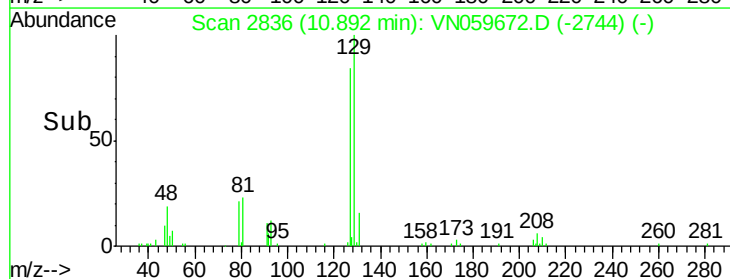
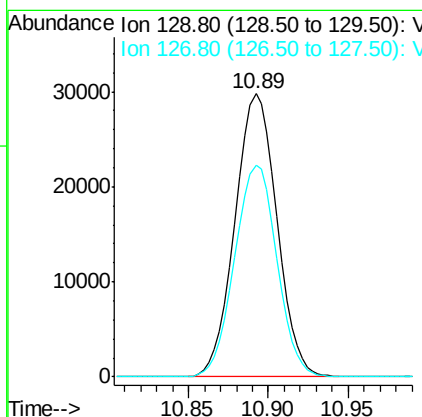
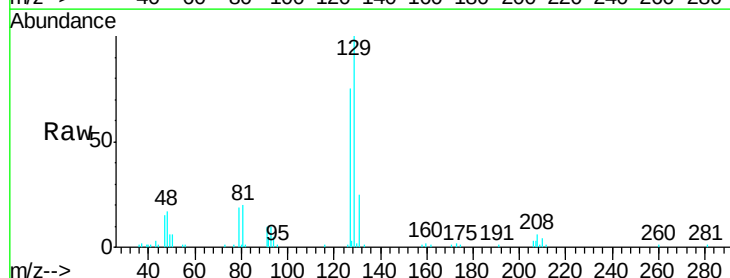
Instrument :
MSVOA_N
ClientSampled :
VN1219WBSD01

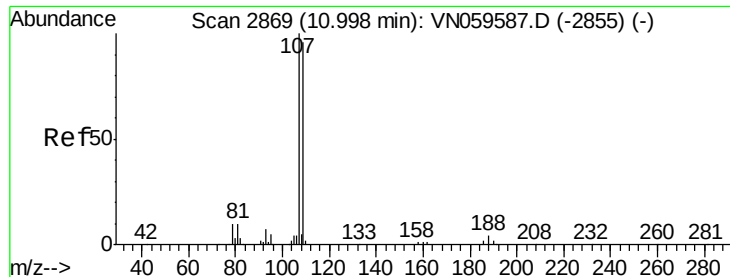
Tgt Ion: 43 Resp: 274690
Ion Ratio Lower Upper
43 100
58 50.6 25.8 77.3



#60
Dibromochloromethane
Concen: 21.134 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 129 Resp: 53246
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5

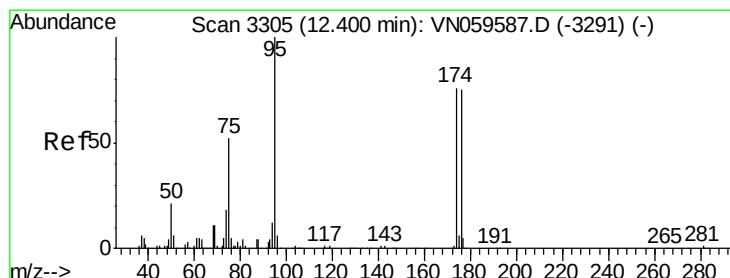
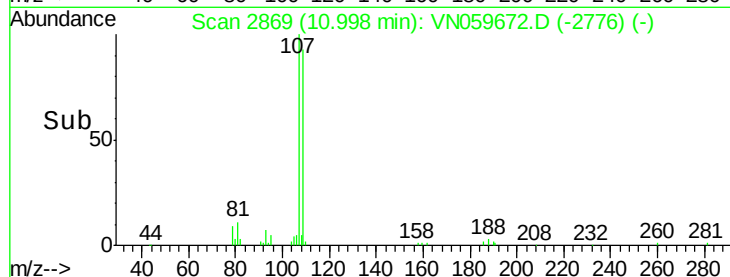
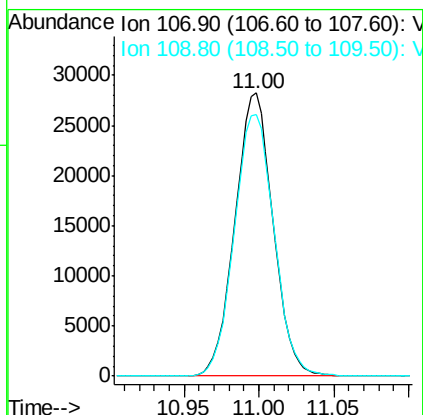
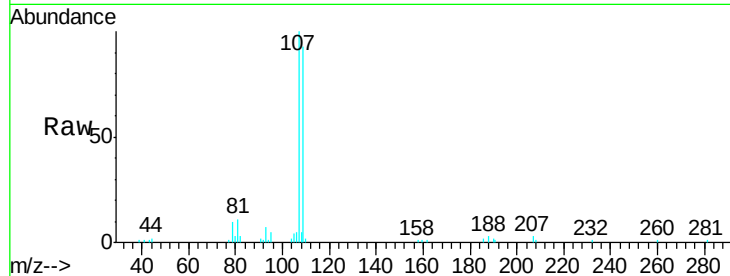




#61
 1,2-Dibromoethane
 Concen: 20.420 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

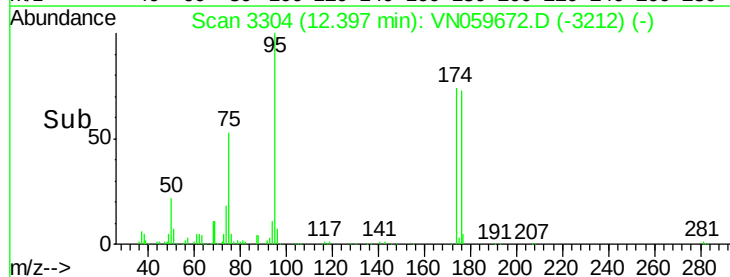
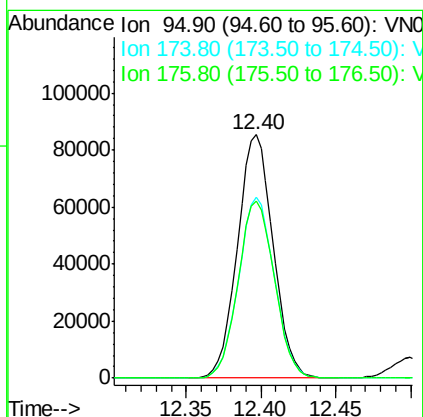
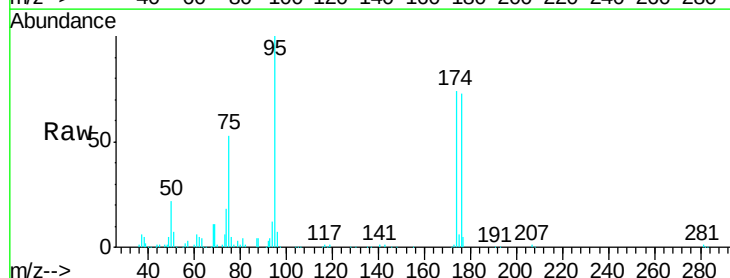
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

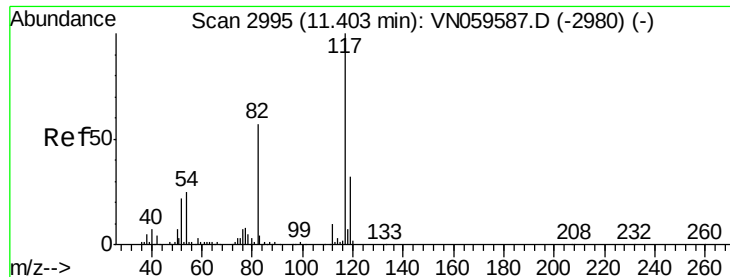
Tgt Ion: 107 Resp: 49992
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 49.787 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion: 95 Resp: 141378
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 151.4
 176 74.0 0.0 146.0

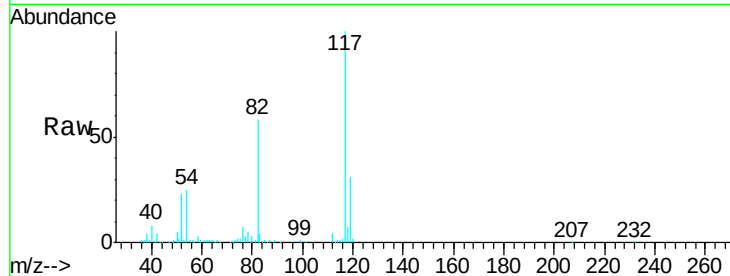




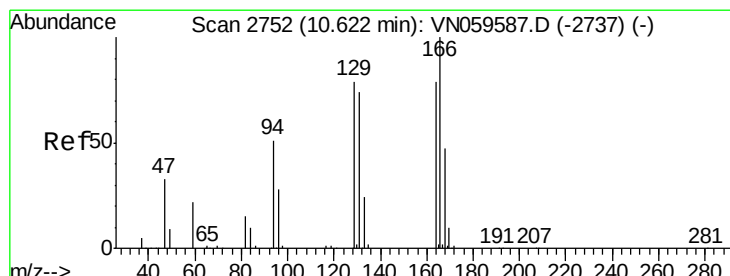
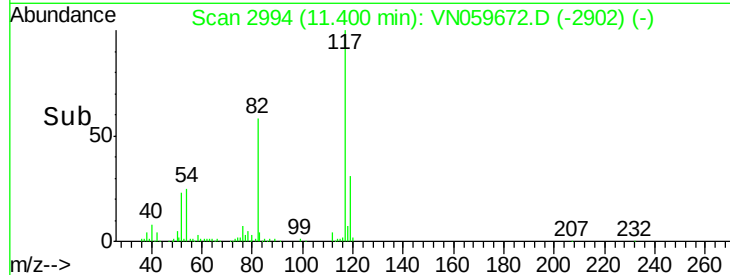
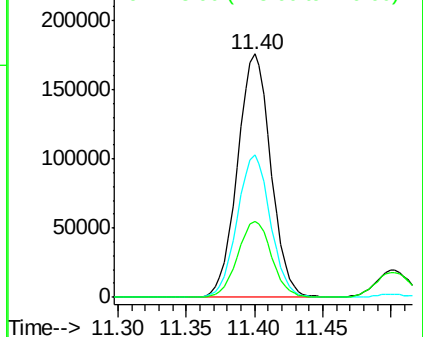
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:117 Resp: 298481
Ion Ratio Lower Upper
117 100
82 58.4 45.9 68.9
119 31.4 25.5 38.3



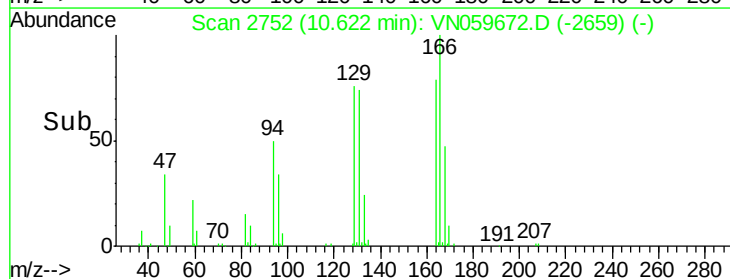
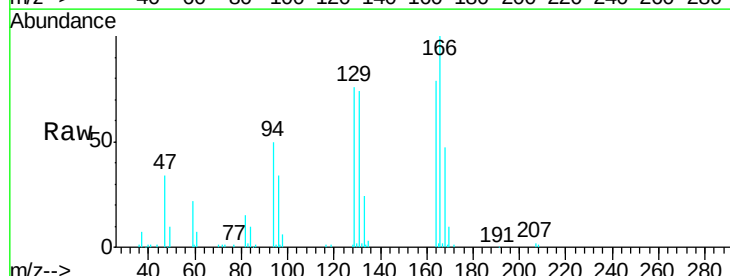
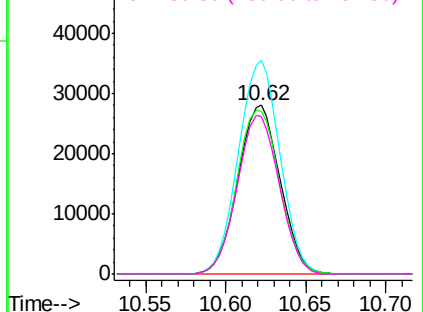
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

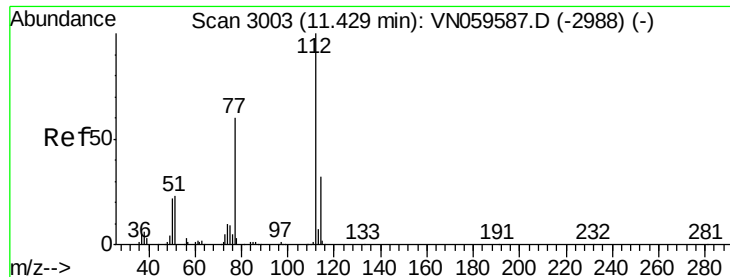


#64
Tetrachloroethene
Concen: 18.137 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion:164 Resp: 50465
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.0
129 96.2 80.2 120.4
131 93.3 75.0 112.4

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





#65

Chlorobenzene

Concen: 19.959 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

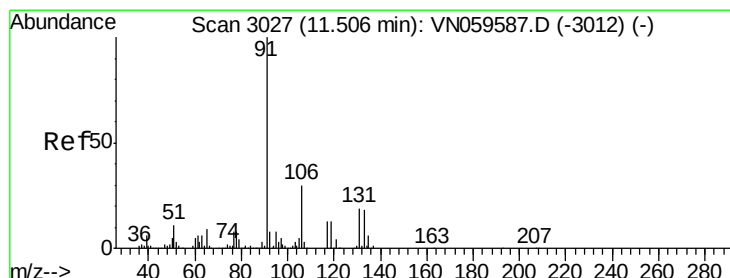
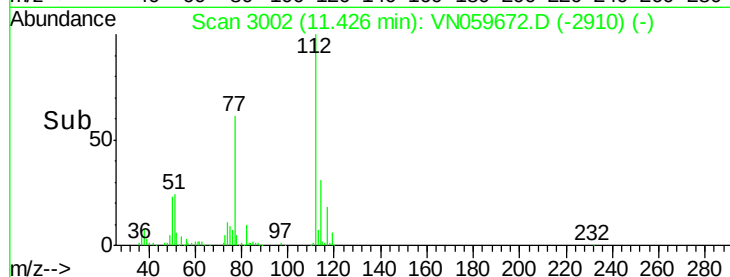
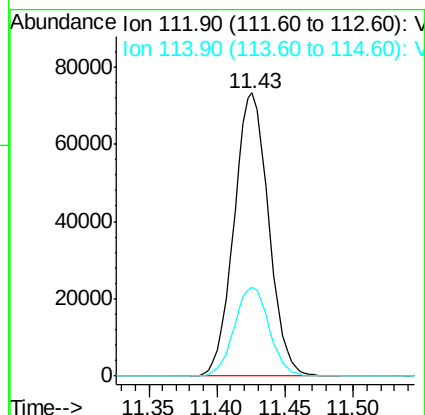
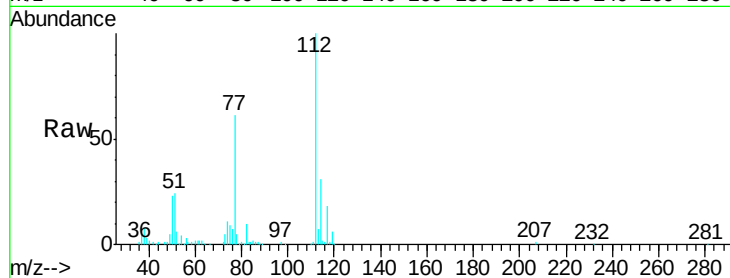
VN1219WBSD01

Tgt Ion:112 Resp: 128904

Ion Ratio Lower Upper

112 100

114 31.3 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 20.420 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

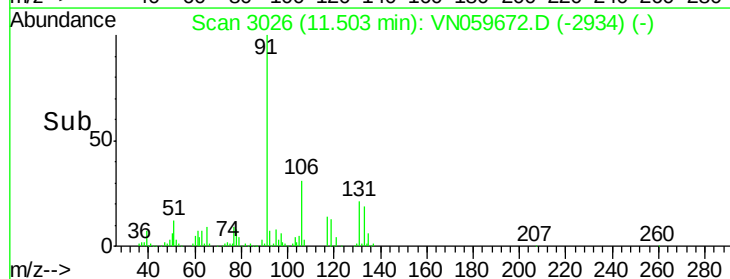
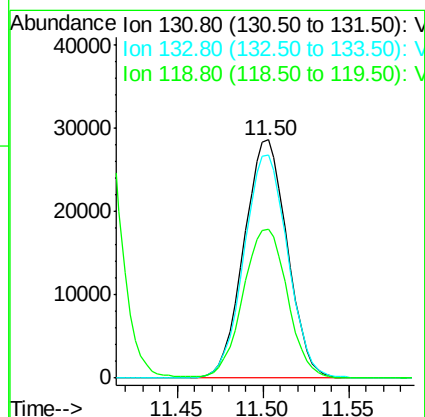
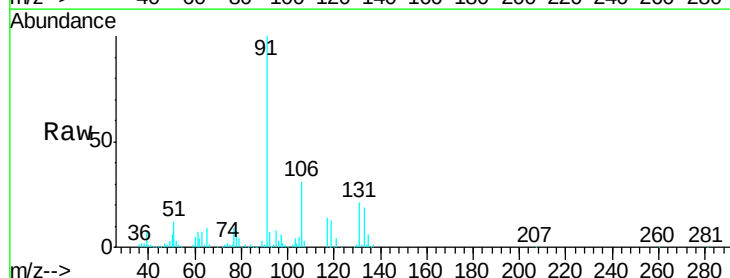
Tgt Ion:131 Resp: 50094

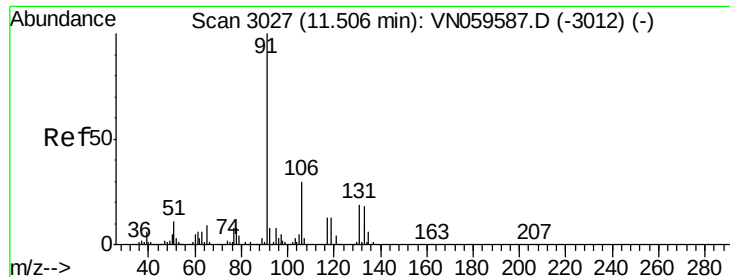
Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.2

119 64.4 33.1 99.3





#67

Ethyl Benzene

Concen: 19.820 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

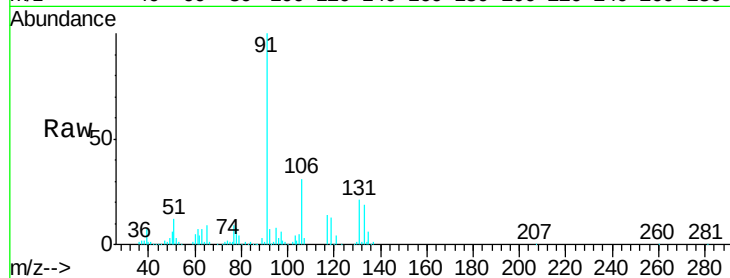
VN1219WBSD01

Tgt Ion: 91 Resp: 231055

Ion Ratio Lower Upper

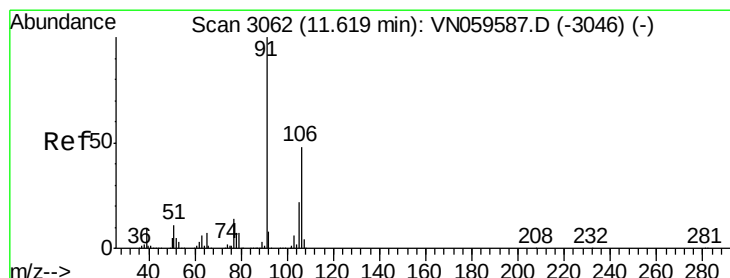
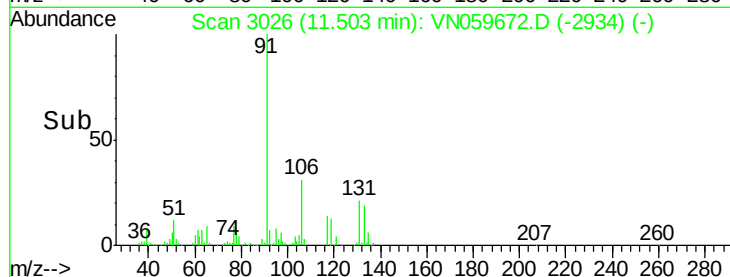
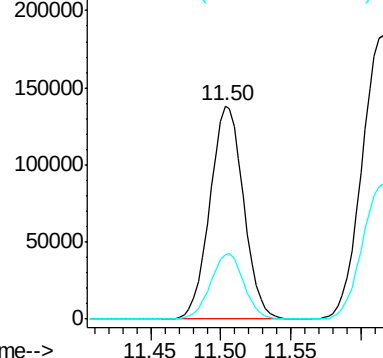
91 100

106 30.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 39.527 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059672.D

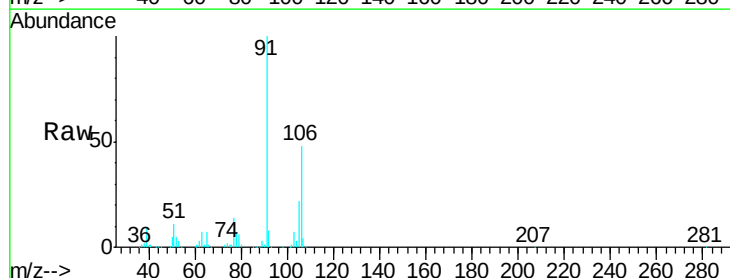
Acq: 19 Dec 2019 15:49

Tgt Ion: 106 Resp: 170155

Ion Ratio Lower Upper

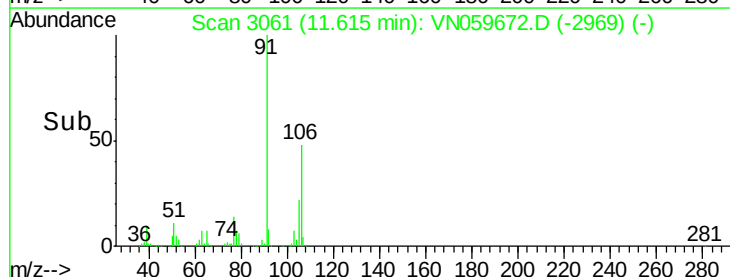
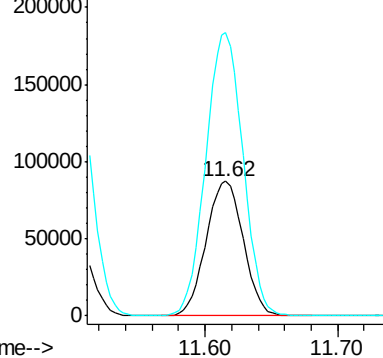
106 100

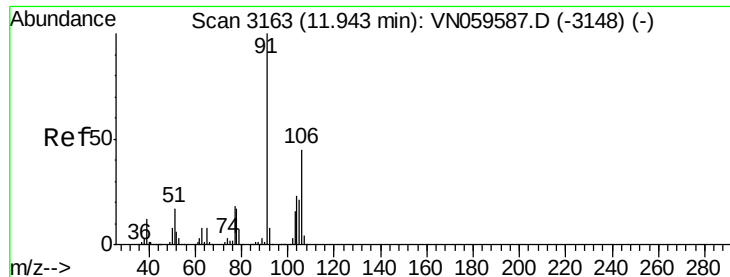
91 210.4 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)





#69

o-Xylene

Concen: 18.234 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

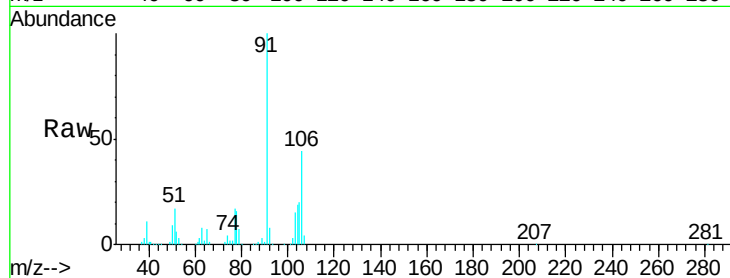
VN1219WBSD01

Tgt Ion:106 Resp: 74689

Ion Ratio Lower Upper

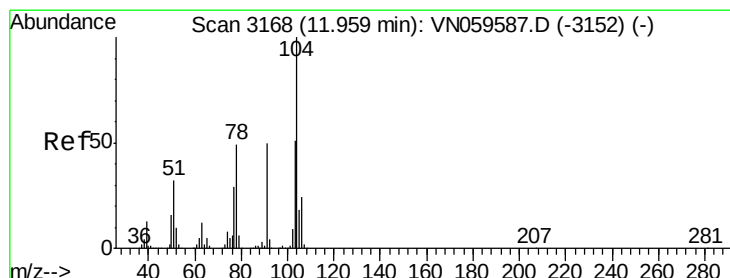
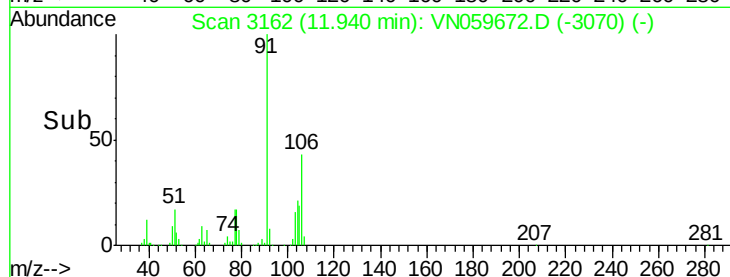
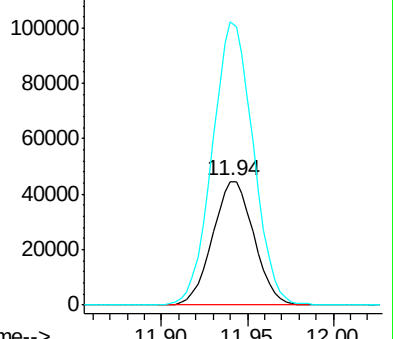
106 100

91 226.5 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 17.850 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

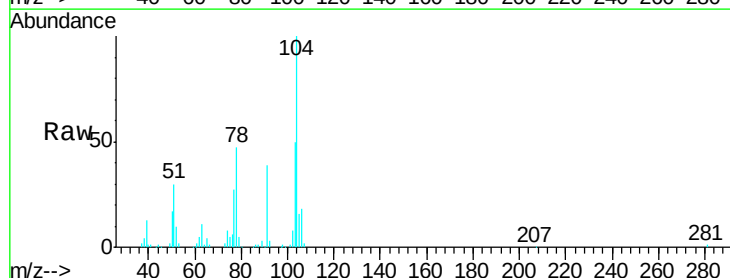
Tgt Ion:104 Resp: 117473

Ion Ratio Lower Upper

104 100

78 54.6 42.4 63.6

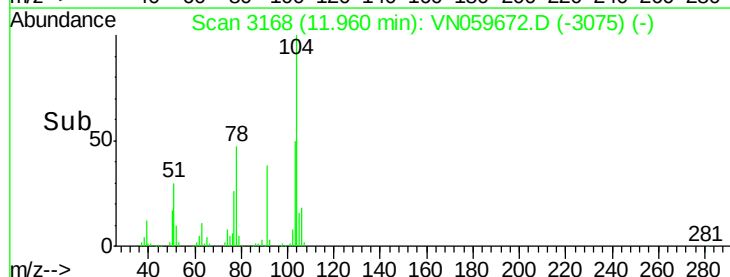
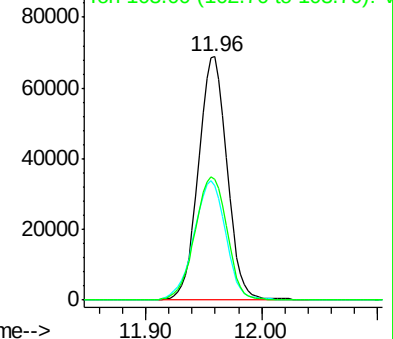
103 56.9 43.9 65.9

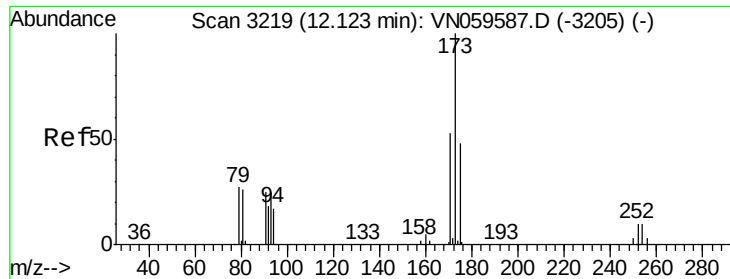


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.784 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

VN1219WBSD01

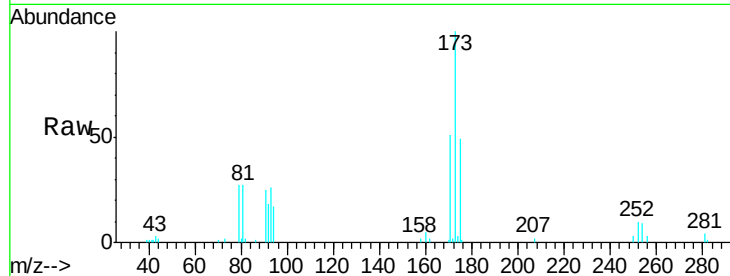
Tgt Ion:173 Resp: 34638

Ion Ratio Lower Upper

173 100

175 49.1 23.8 71.4

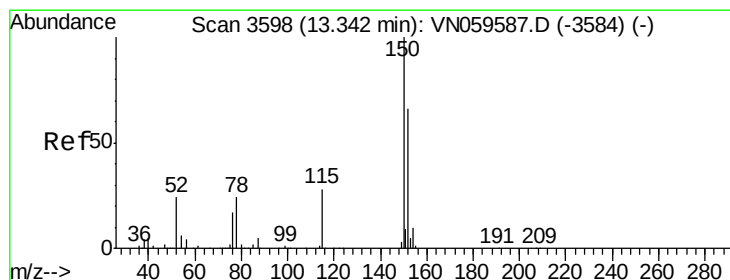
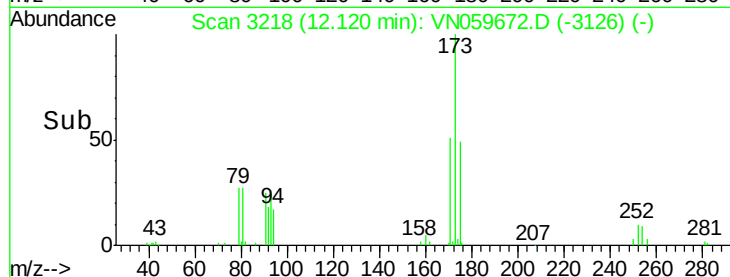
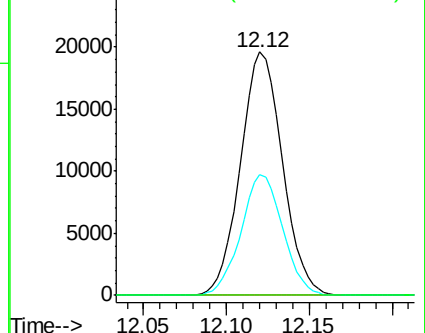
254 0.0 0.0 0.0



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: VN059672.D

Acq: 19 Dec 2019 15:49

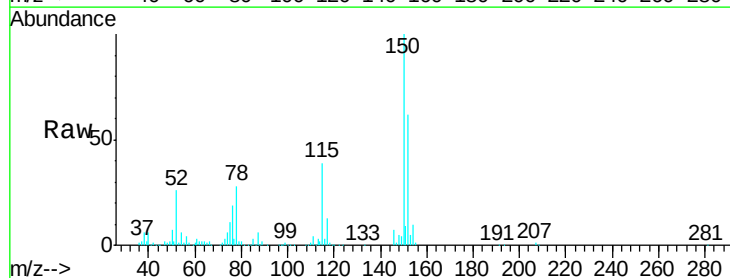
Tgt Ion:152 Resp: 136524

Ion Ratio Lower Upper

152 100

115 61.0 30.3 90.9

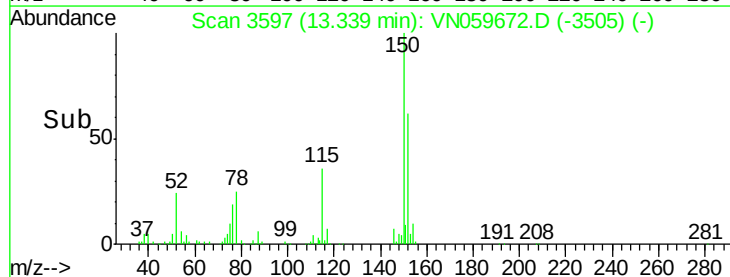
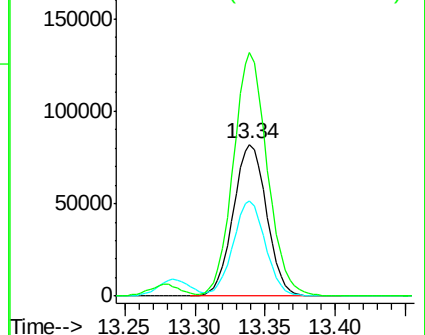
150 162.6 0.0 345.2

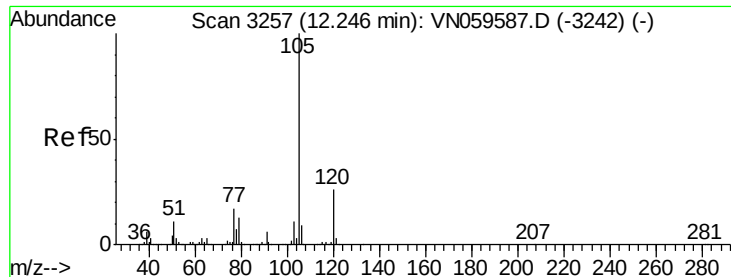


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.496 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

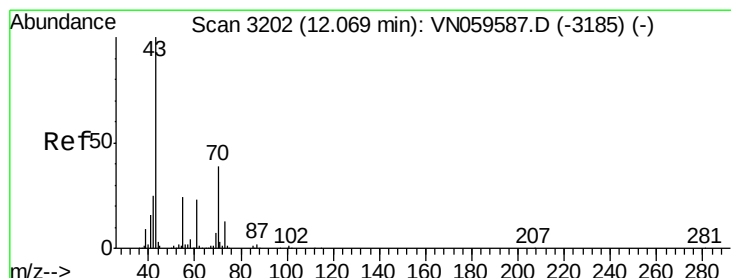
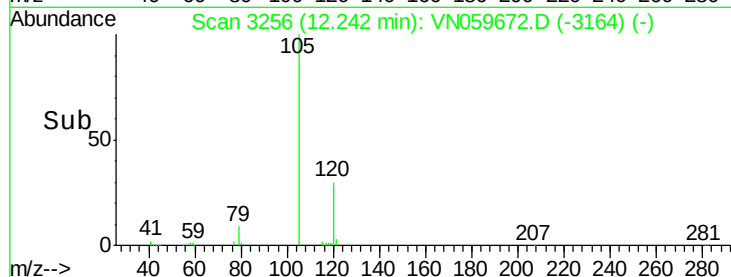
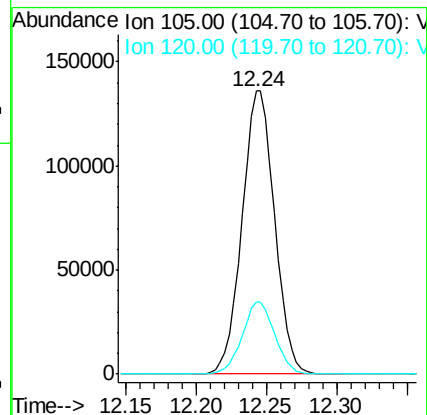
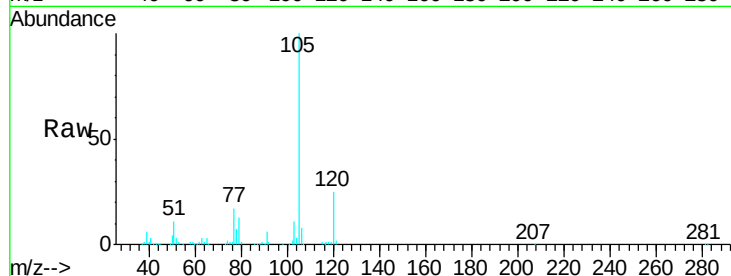
VN1219WBSD01

Tgt Ion: 105 Resp: 219662

Ion Ratio Lower Upper

105 100

120 25.6 13.2 39.5



#74

N-ethyl acetate

Concen: 18.506 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion: 43 Resp: 90977

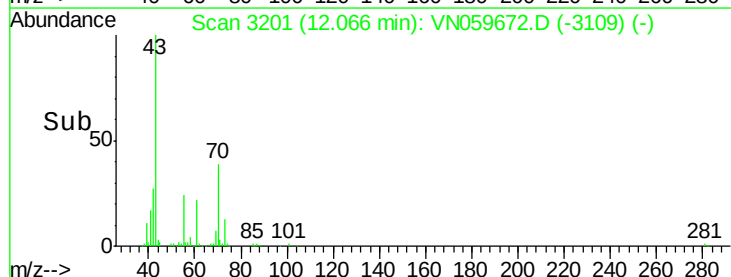
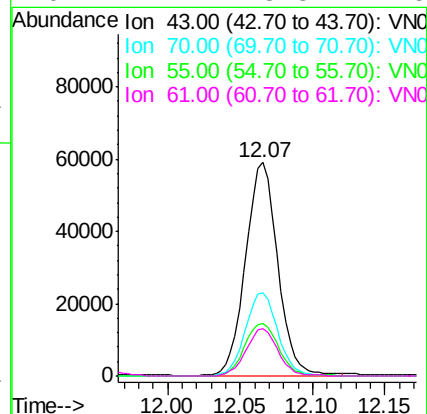
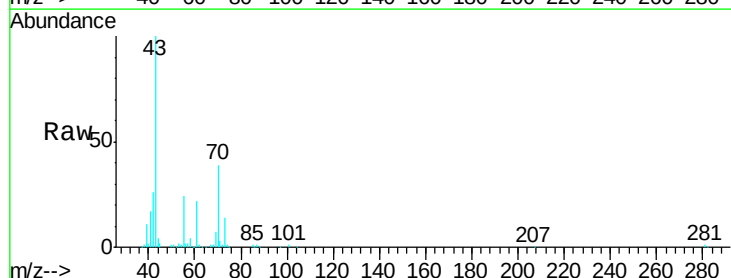
Ion Ratio Lower Upper

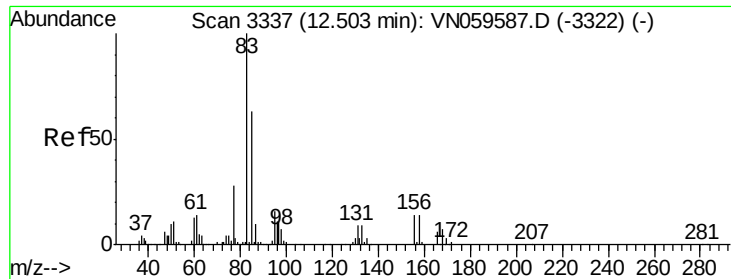
43 100

70 39.7 31.3 46.9

55 26.3 19.8 29.6

61 22.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.343 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

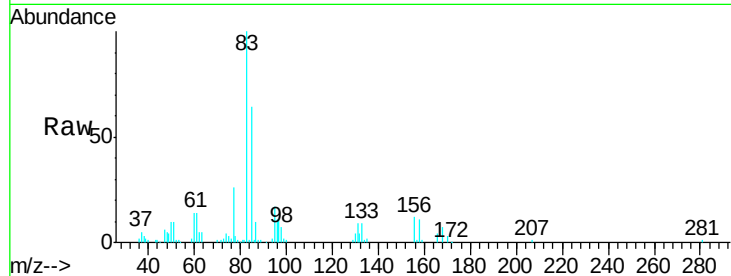
Tgt Ion: 83 Resp: 69159

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

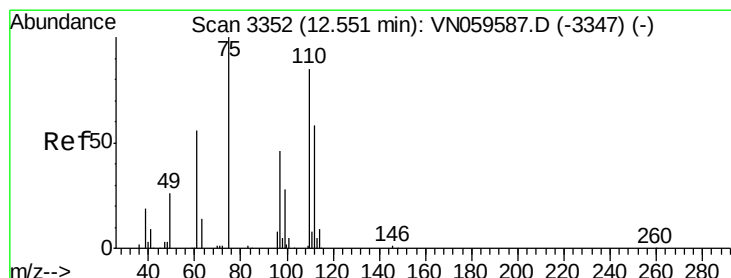
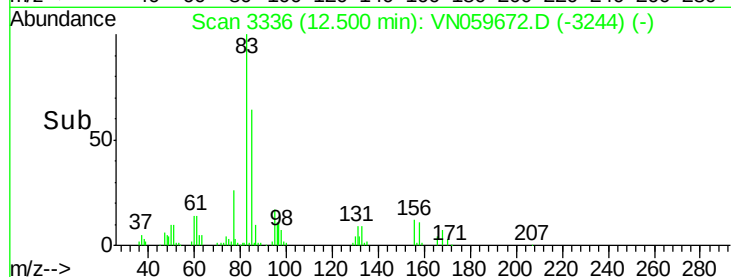
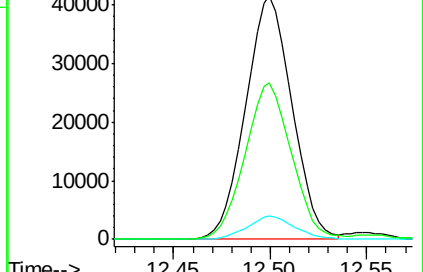
85 64.6 31.9 95.5



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) (-)



#76

1,2,3-Trichloropropane

Concen: 29.848 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN059672.D

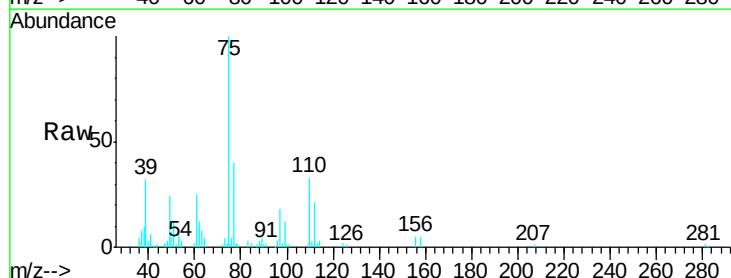
Acq: 19 Dec 2019 15:49

Tgt Ion: 75 Resp: 100878

Ion Ratio Lower Upper

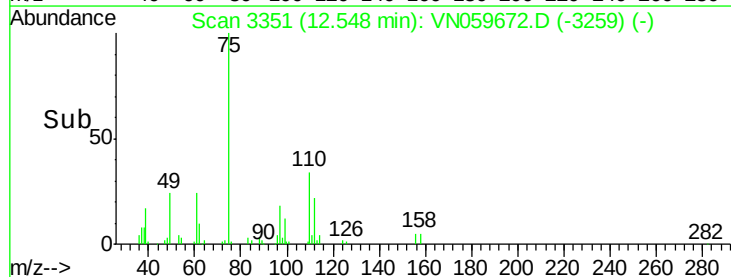
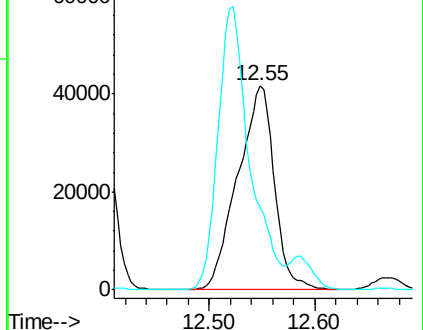
75 100

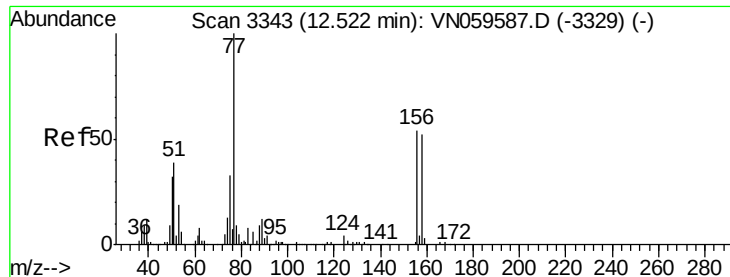
77 0.0 0.0 0.0



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

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





#77

Bromobenzene

Concen: 19.960 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

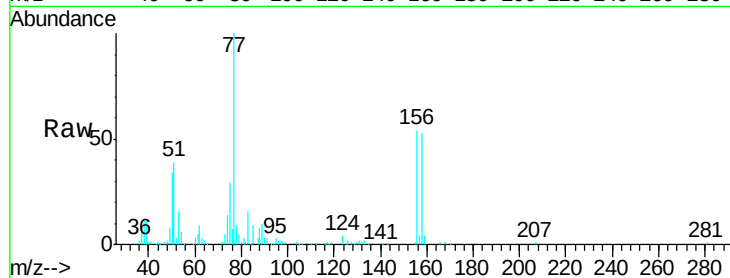
Tgt Ion:156 Resp: 52606

Ion Ratio Lower Upper

156 100

77 230.0 115.8 347.4

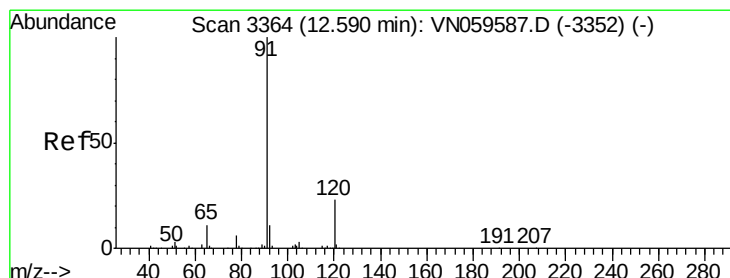
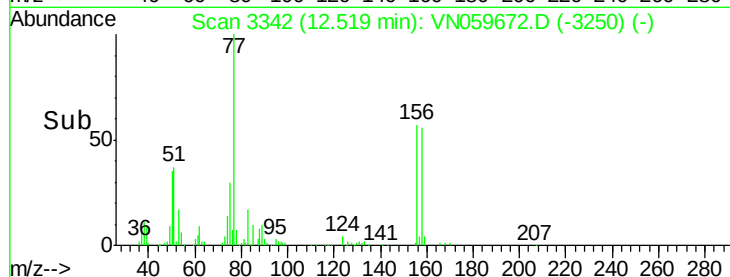
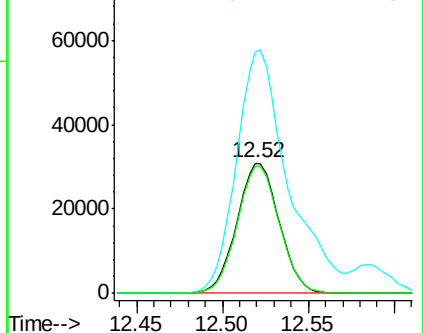
158 97.2 49.2 147.6



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: 20.158 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059672.D

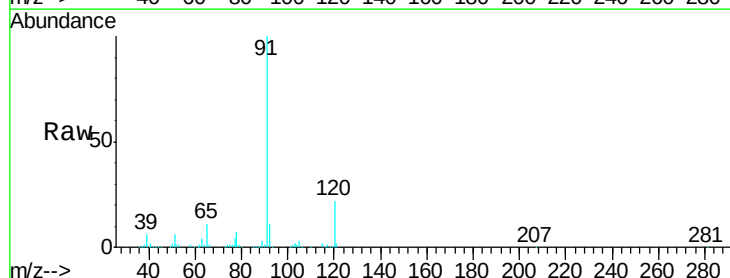
Acq: 19 Dec 2019 15:49

Tgt Ion: 91 Resp: 255379

Ion Ratio Lower Upper

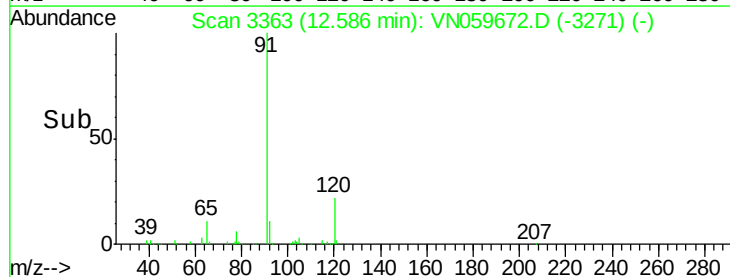
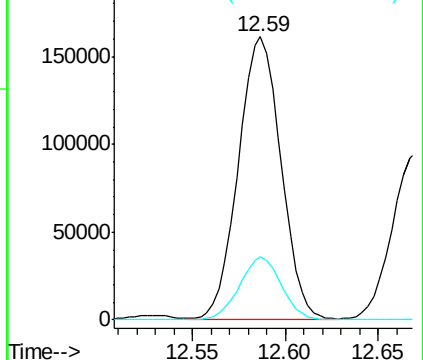
91 100

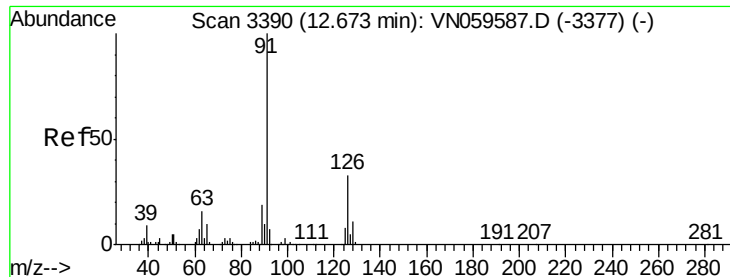
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.227 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

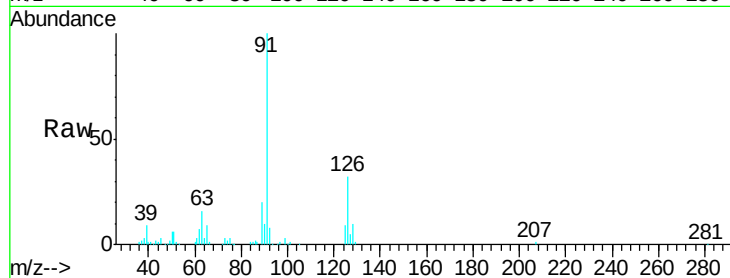
VN1219WBSD01

Tgt Ion: 91 Resp: 154947

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

150000

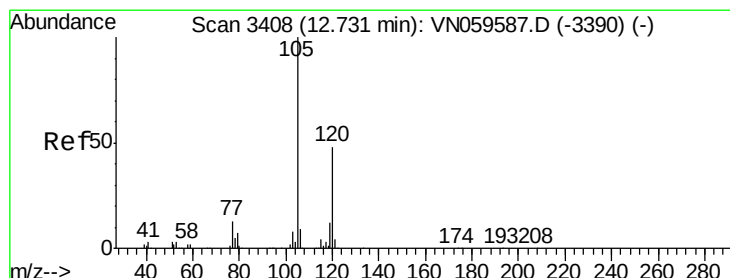
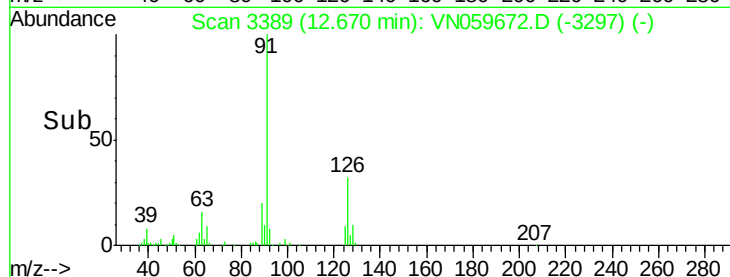
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.138 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059672.D

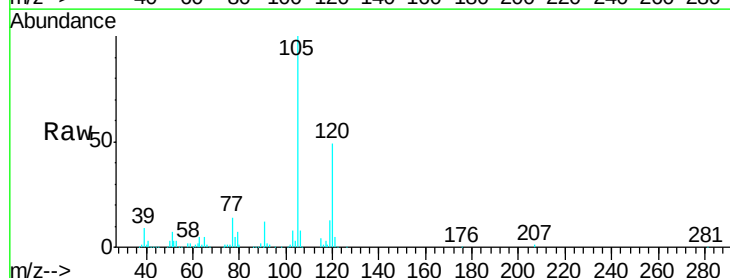
Acq: 19 Dec 2019 15:49

Tgt Ion: 105 Resp: 182637

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

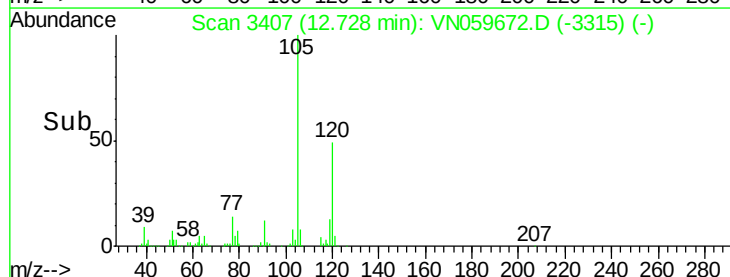
100000

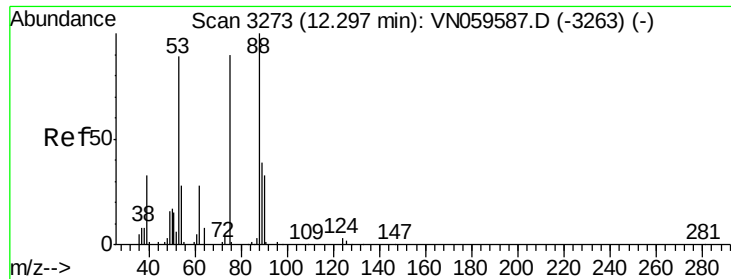
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.017 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

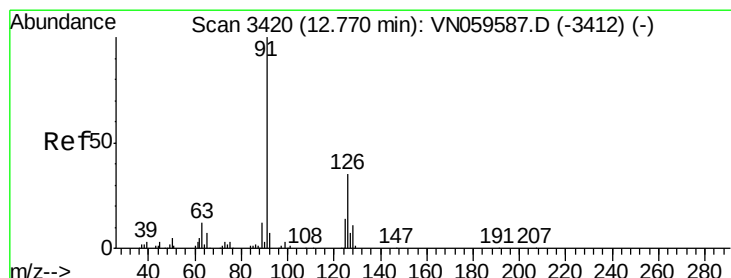
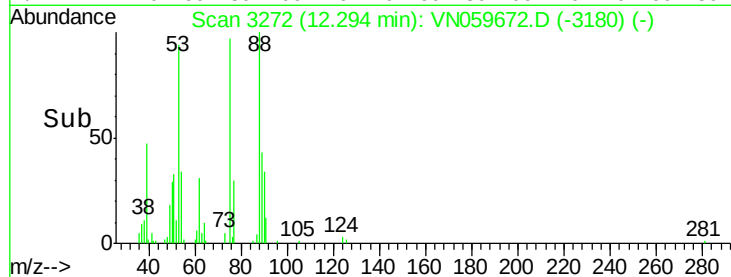
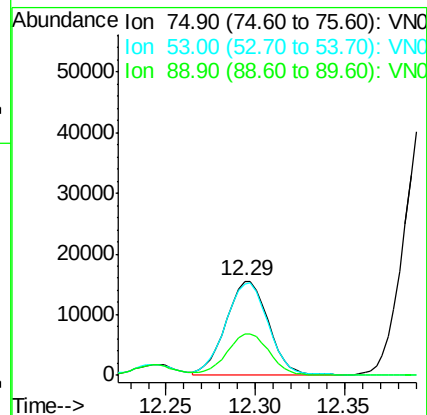
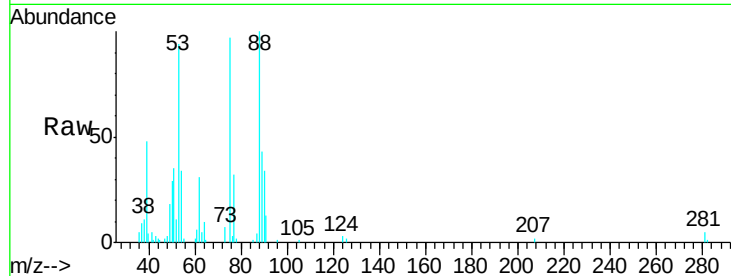
Tgt Ion: 75 Resp: 26022

Ion Ratio Lower Upper

75 100

53 98.8 78.1 117.1

89 43.7 35.4 53.2



#82

4-Chlorotoluene

Concen: 20.018 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059672.D

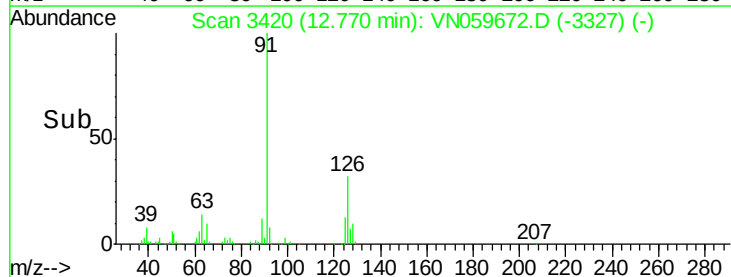
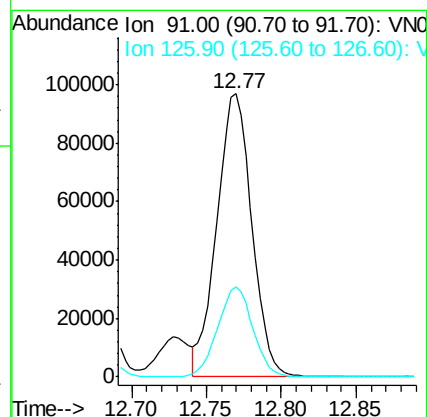
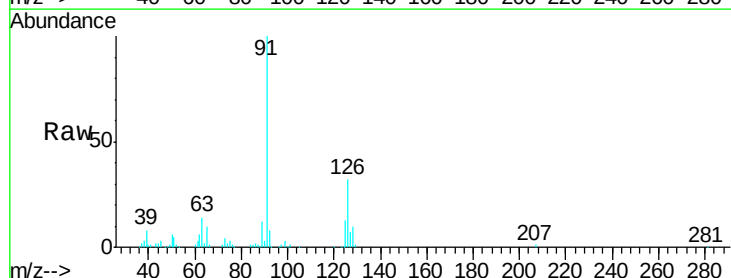
Acq: 19 Dec 2019 15:49

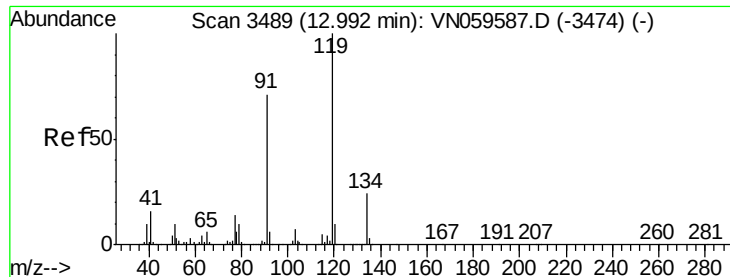
Tgt Ion: 91 Resp: 157010

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8





#83

tert-Butylbenzene

Concen: 19.861 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

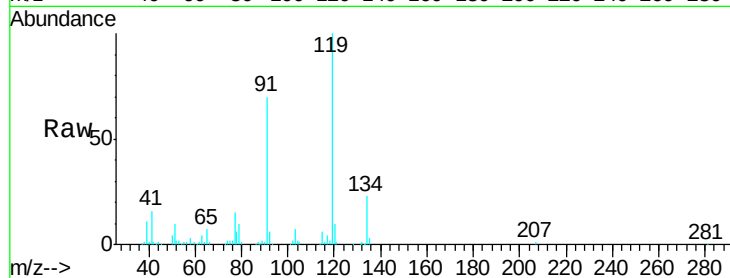
Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

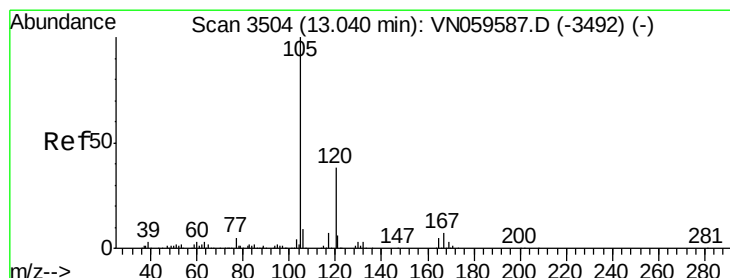
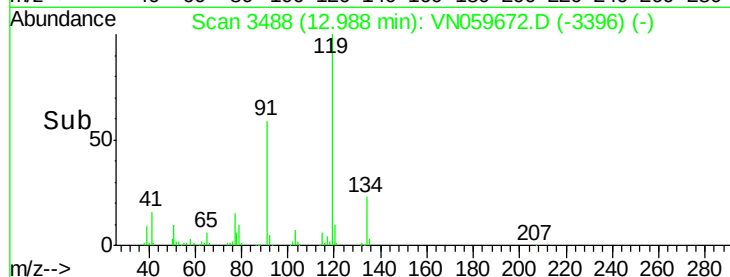
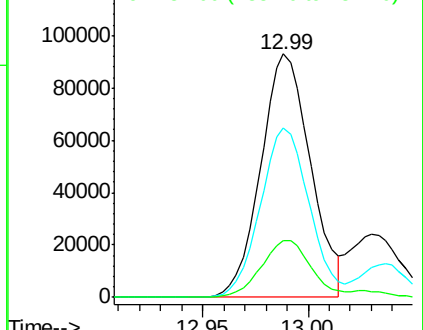
Tgt Ion:	119	Resp:	152547
Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.8	104.4
134	23.2	12.3	36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.514 ug/l

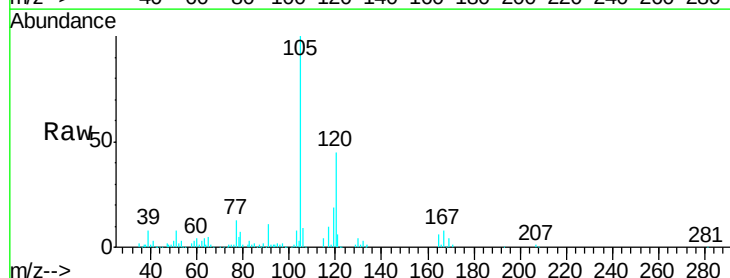
RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059672.D

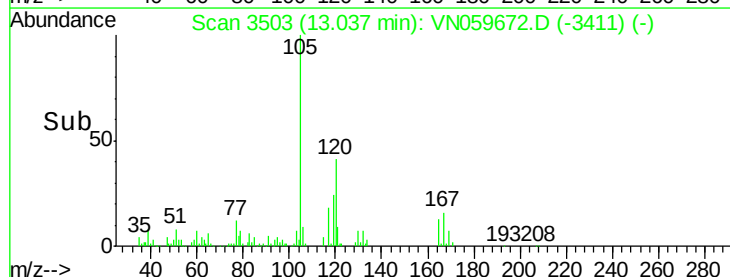
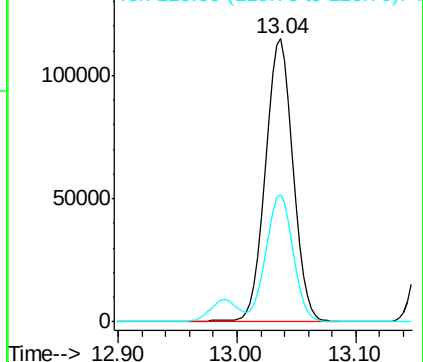
Acq: 19 Dec 2019 15:49

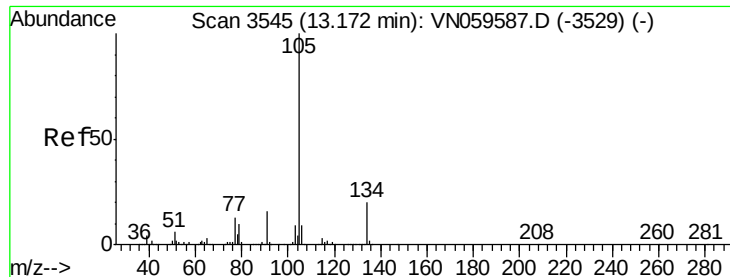
Tgt Ion:	105	Resp:	185000
Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.096 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampled :

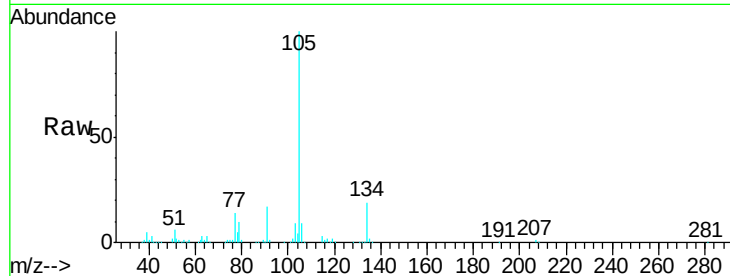
VN1219WBSD01

Tgt Ion:105 Resp: 205313

Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

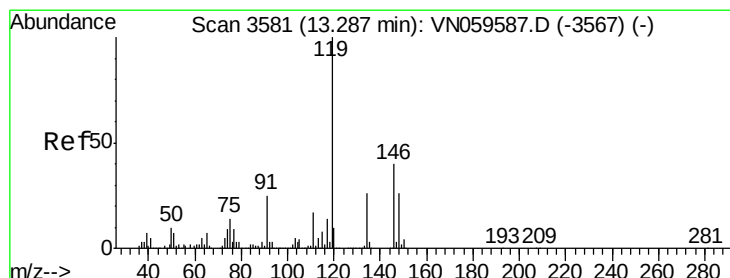
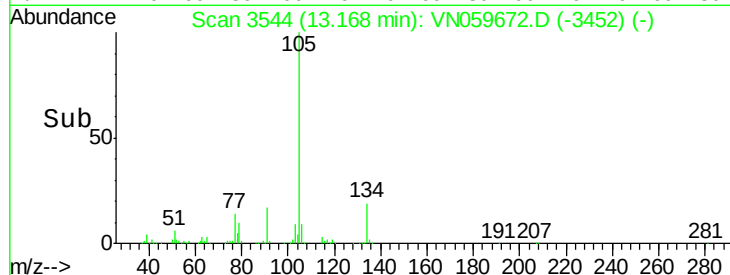
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 20.071 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

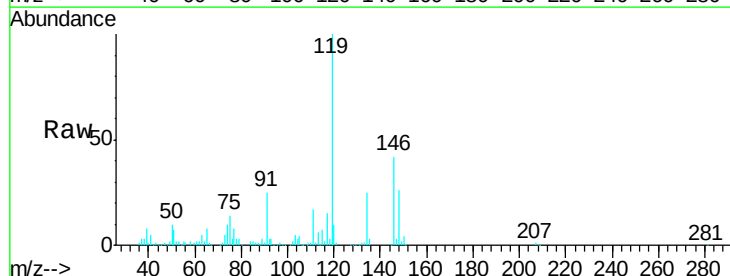
Tgt Ion:119 Resp: 185726

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.6 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

150000

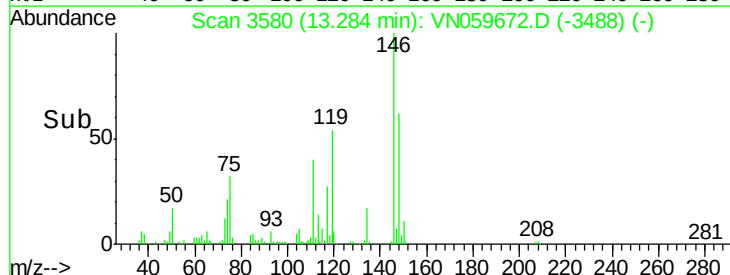
100000

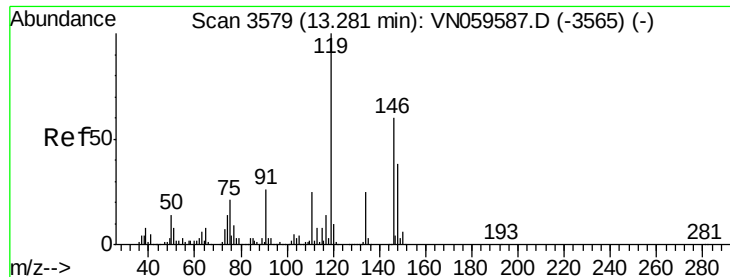
50000

0

13.20 13.25 13.30 13.35

Time-->

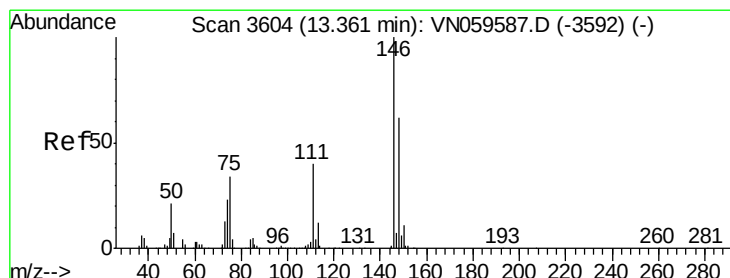
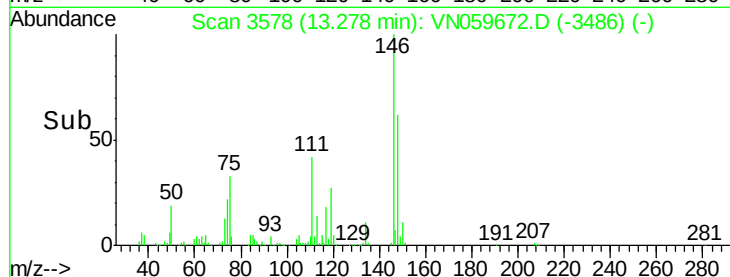
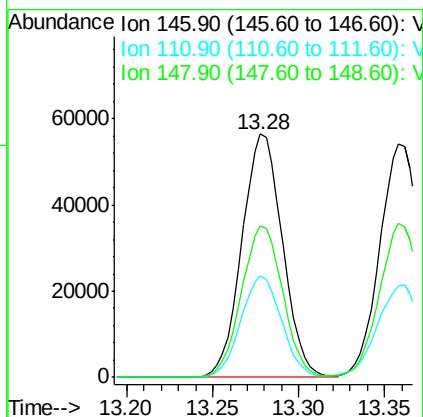
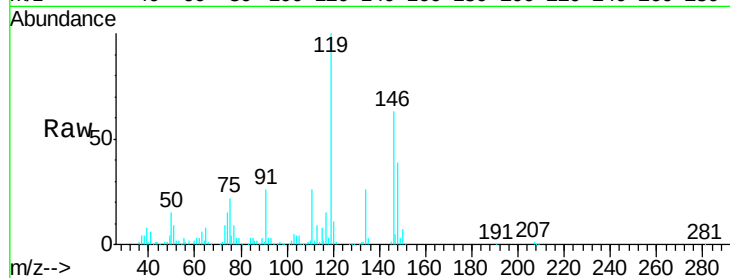




#87
 1,3-Dichlorobenzene
 Concen: 19.103 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

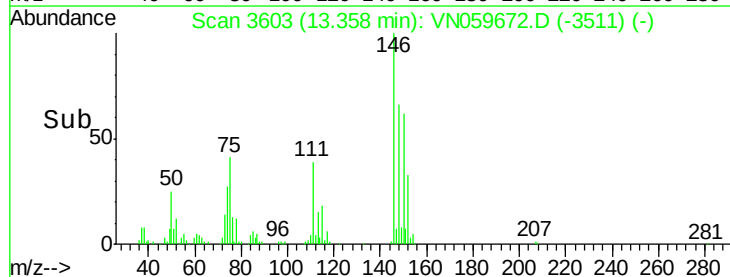
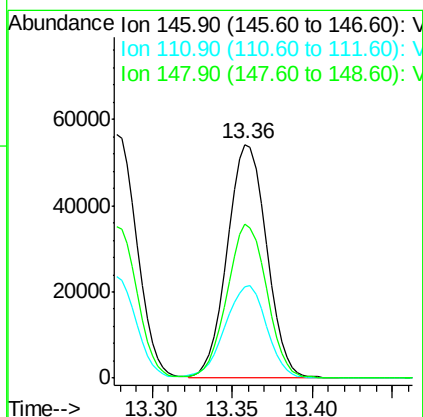
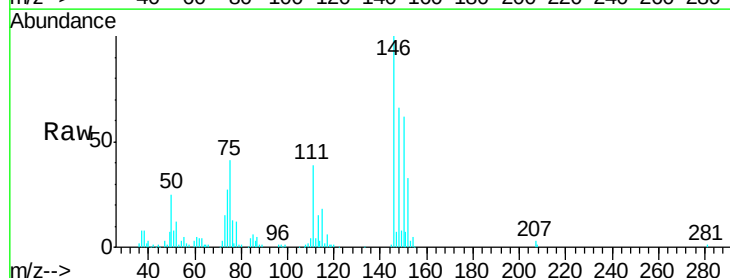
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

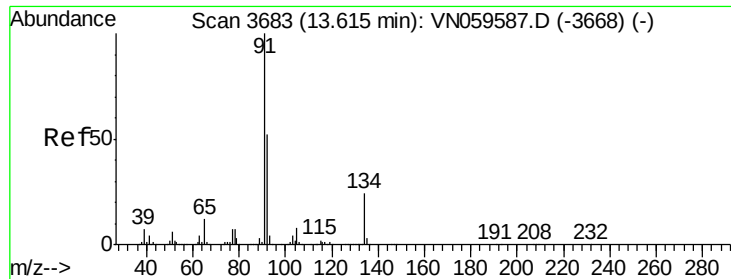
Tgt Ion:146 Resp: 92584
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.2
 148 63.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.511 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion:146 Resp: 90453
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.2
 148 67.1 31.8 95.4

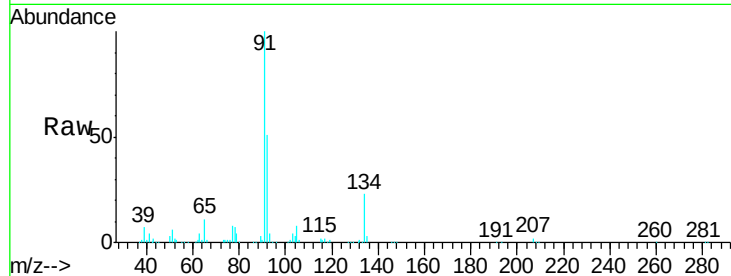




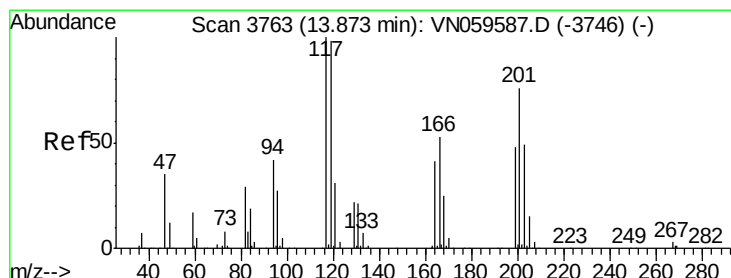
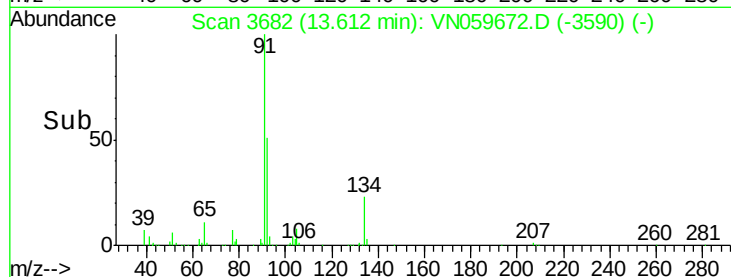
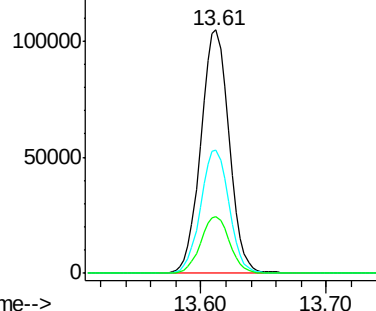
#89
n-Butylbenzene
Concen: 18.971 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampled :
VN1219WBSD01

Tgt Ion: 91 Resp: 164577
Ion Ratio Lower Upper
91 100
92 50.9 25.9 77.7
134 23.7 12.3 36.8

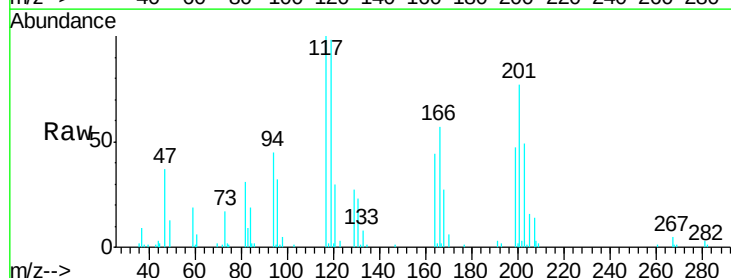


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

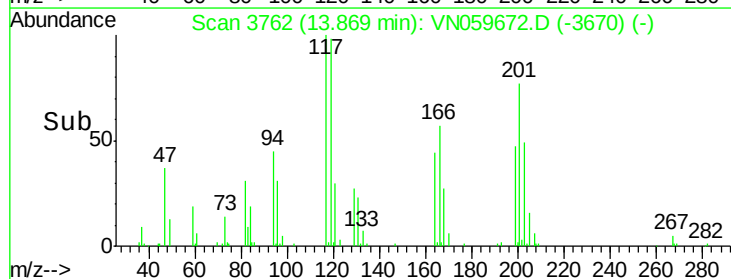
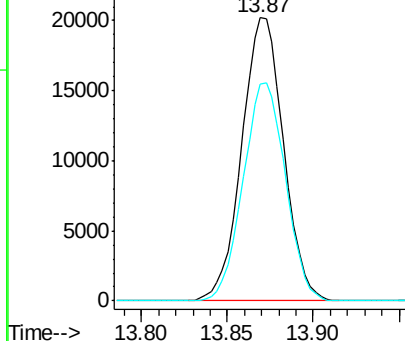


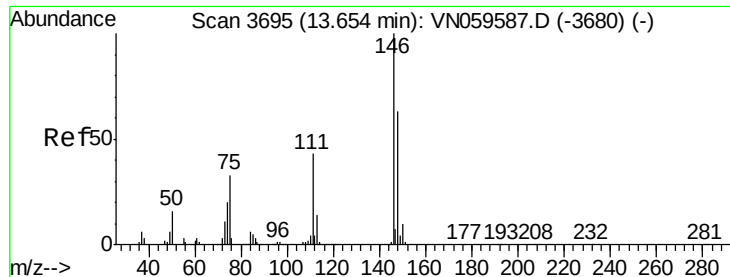
#90
Hexachloroethane
Concen: 19.490 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 117 Resp: 34090
Ion Ratio Lower Upper
117 100
201 78.0 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.472 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

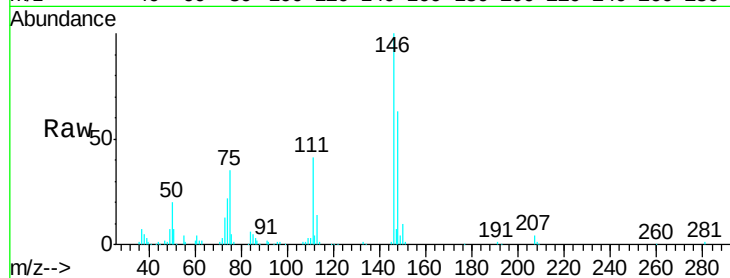
Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

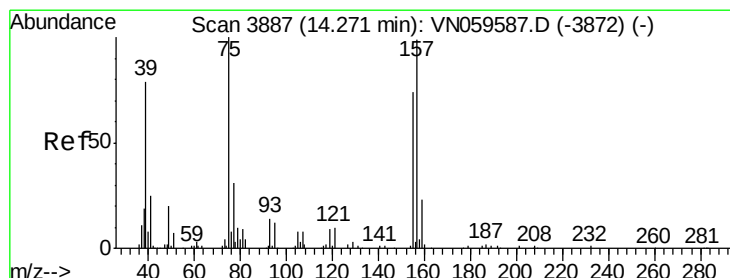
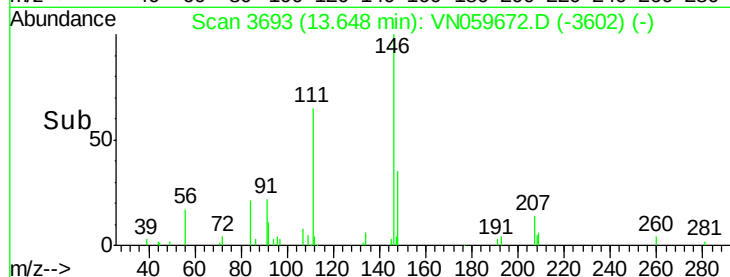
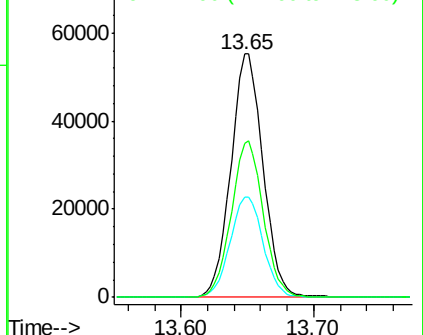
Tgt Ion:	146	Resp:	93067
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.8
148	63.8	31.6	95.0



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: 17.356 ug/l

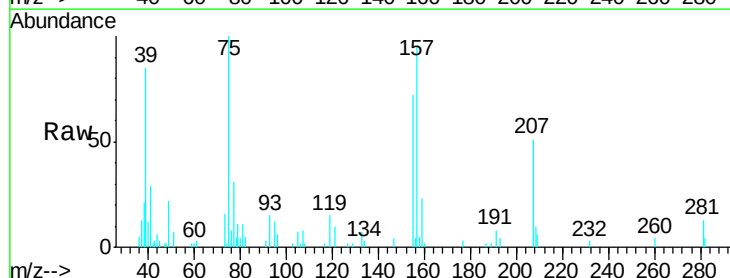
RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

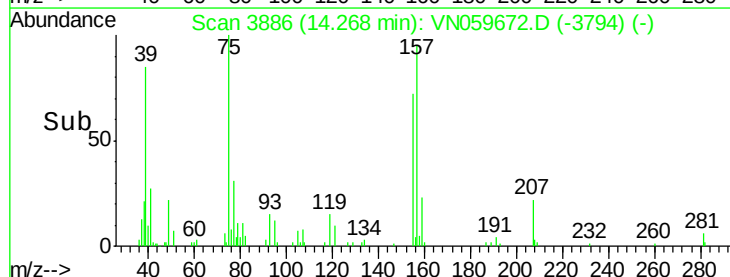
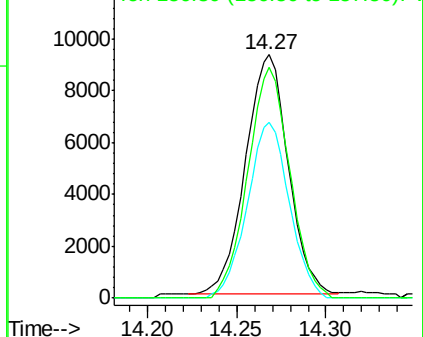
Tgt Ion:	75	Resp:	15459
Ion	Ratio	Lower	Upper
75	100		
155	72.2	37.0	110.9
157	94.4	48.4	145.2

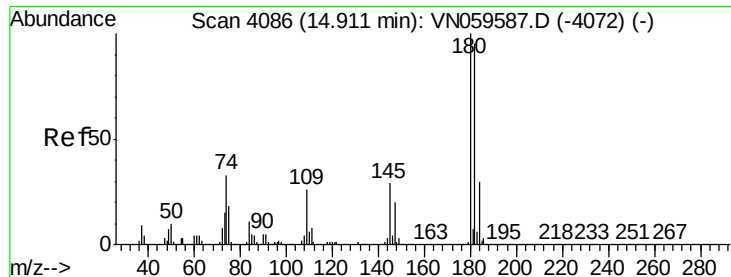


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

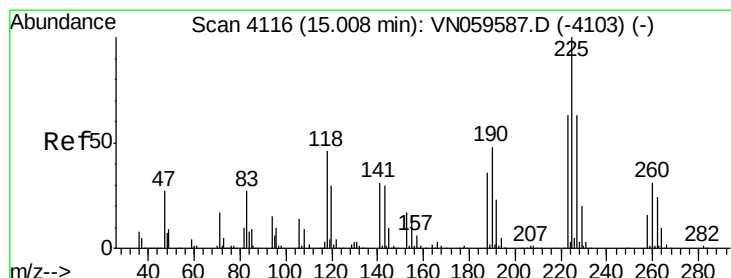
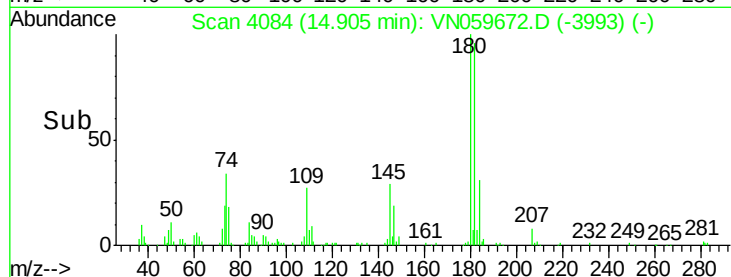
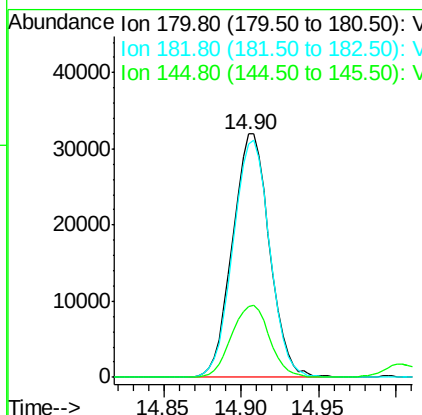
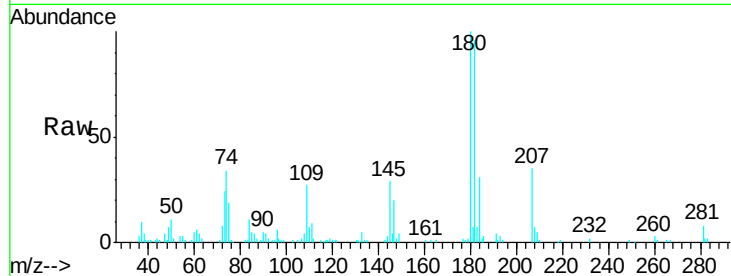




#93
 1,2,4-Trichlorobenzene
 Concen: 17.184 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

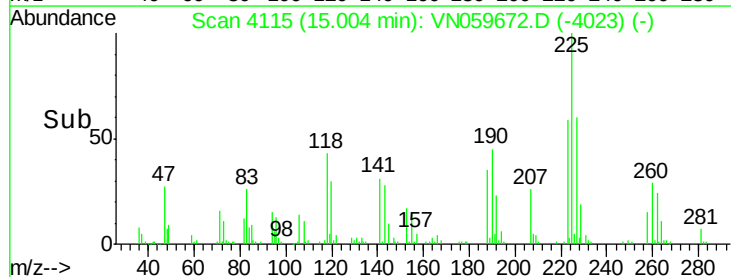
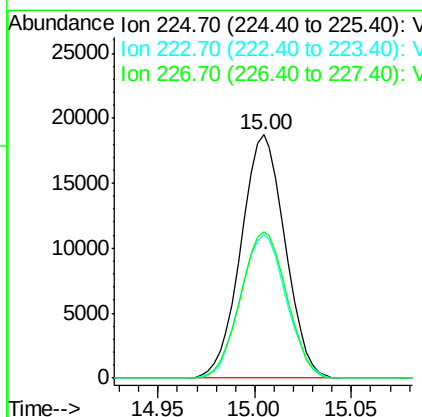
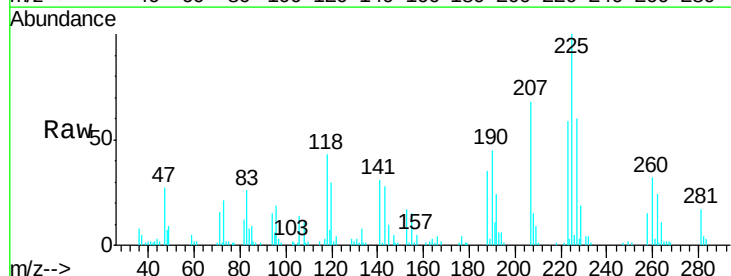
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

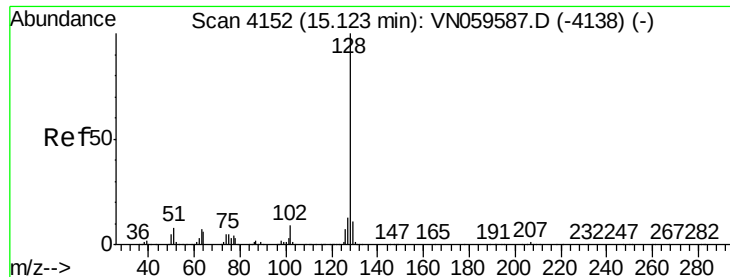
Tgt Ion:180 Resp: 53037
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.9 140.7
 145 30.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 18.805 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion:225 Resp: 29742
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.8 95.3
 227 62.6 32.1 96.5

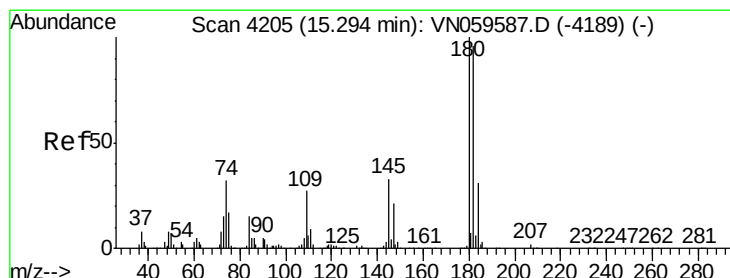
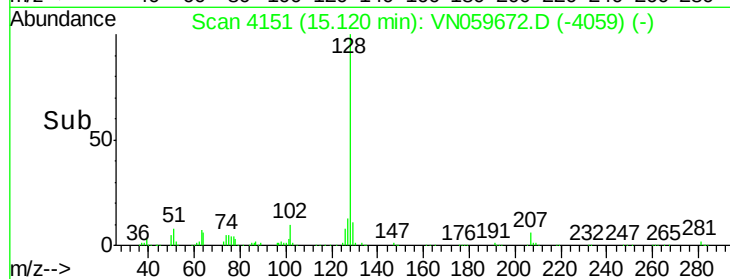
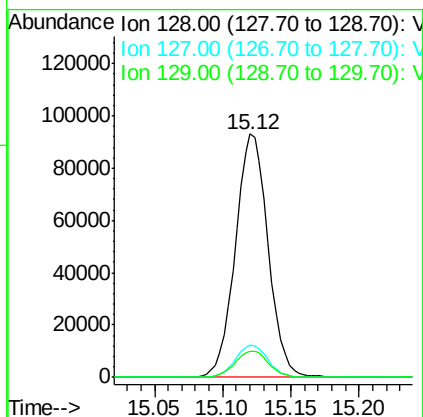
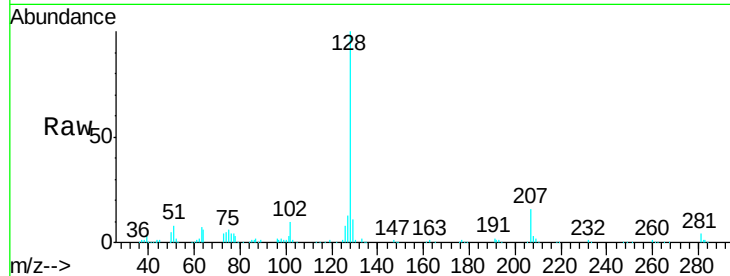




#95
Naphthalene
Concen: 16.799 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tgt Ion:128 Resp: 154778
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 17.580 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion:180 Resp: 54877
Ion Ratio Lower Upper
180 100
182 91.8 47.4 142.3
145 32.1 16.3 48.9

