

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059600.D
 Acq On : 16 Dec 2019 14:10
 Operator : JC/SP
 Sample : VN1216WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Quant Time: Dec 17 04:47:35 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	251236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	398527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	362738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170382	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	165334	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	7.56	113	116175	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	10.08	98	459818	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	12.40	95	163356	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	92330	28.440	ug/l	99
3) Chloromethane	2.04	50	145231	28.190	ug/l	100
4) Vinyl Chloride	2.17	62	133056	27.235	ug/l	98
5) Bromomethane	2.55	94	82332	28.989	ug/l	97
6) Chloroethane	2.69	64	78780	28.691	ug/l	98
7) Trichlorofluoromethane	3.00	101	154411	28.806	ug/l	99
8) Diethyl Ether	3.38	74	52629	31.423	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.73	101	79283	29.350	ug/l	99
10) Methyl Iodide	3.92	142	103872	29.046	ug/l	99
11) Tert butyl alcohol	4.74	59	74387	110.986	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	74572	28.299	ug/l	97
13) Acrolein	3.58	56	71345	149.435	ug/l	97
14) Allyl chloride	4.29	41	146909	27.157	ug/l	98
15) Acrylonitrile	4.94	53	225031	138.804	ug/l	99
16) Acetone	3.78	43	261474	120.466	ug/l	98
17) Carbon Disulfide	4.02	76	234304	26.017	ug/l	100
18) Methyl Acetate	4.29	43	119717	26.322	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	270189	29.040	ug/l	99
20) Methylene Chloride	4.52	84	90097	28.741	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	83027	28.263	ug/l	99
22) Diisopropyl ether	5.92	45	295589	29.639	ug/l	98
23) Vinyl Acetate	5.86	43	1223845	156.372	ug/l	100
24) 1,1-Dichloroethane	5.82	63	166585	29.488	ug/l	99
25) 2-Butanone	6.80	43	338408	130.382	ug/l	100
26) 2,2-Dichloropropane	6.80	77	153338	29.865	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	94161	28.927	ug/l	97
28) Bromochloromethane	7.17	49	45437	19.430	ug/l	99
29) Tetrahydrofuran	7.18	42	215162	136.057	ug/l	99
30) Chloroform	7.35	83	163680	29.435	ug/l	97
31) Cyclohexane	7.63	56	151836	28.445	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	144283	28.780	ug/l	100
36) 1,1-Dichloropropene	7.77	75	126135	30.350	ug/l	99
37) Ethyl Acetate	6.90	43	134246	27.792	ug/l	99
38) Carbon Tetrachloride	7.75	117	127965	29.672	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	144061	30.559	ug/l	100
40) Benzene	8.02	78	361655	29.777	ug/l	100
41) Methacrylonitrile	7.18	41	195531	98.083	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	138134	29.698	ug/l	100
43) Isopropyl Acetate	8.14	43	215705	28.722	ug/l	99
44) Trichloroethene	8.82	130	94838	29.811	ug/l	98
45) 1,2-Dichloropropane	9.10	63	98129	29.919	ug/l	97
46) Dibromomethane	9.19	93	61609	28.672	ug/l	98
47) Bromodichloromethane	9.39	83	127640	29.794	ug/l	99
48) Methyl methacrylate	9.18	41	95546	28.042	ug/l	99
49) 1,4-Dioxane	9.18	88	21638	443.142	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	657306	146.797	ug/l	100
52) Toluene	10.14	92	220480	29.544	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	147337	29.737	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	154081	29.585	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	87463	29.867	ug/l	98
56) Ethyl methacrylate	10.42	69	127986	29.440	ug/l	99
57) 1,3-Dichloropropane	10.70	76	152179	29.846	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	135270	97.836	ug/l	98
59) 2-Hexanone	10.74	43	502399	142.363	ug/l	100
60) Dibromochloromethane	10.90	129	94215	29.478	ug/l	98
61) 1,2-Dibromoethane	11.00	107	90066	29.000	ug/l	98
64) Tetrachloroethene	10.62	164	91145	26.954	ug/l	98
65) Chlorobenzene	11.43	112	232396	29.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	87175	29.241	ug/l	98
67) Ethyl Benzene	11.51	91	423907	29.921	ug/l	99
68) m/p-Xylenes	11.62	106	316150	60.431	ug/l	98
69) o-Xylene	11.94	106	146435	29.417	ug/l	97
70) Styrene	11.96	104	236545	29.576	ug/l	99
71) Bromoform	12.12	173	65866	29.392	ug/l #	98
73) Isopropylbenzene	12.25	105	408108	30.513	ug/l	99
74) N-amyl acetate	12.07	43	176933	28.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	121772	28.701	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	179281	42.505	ug/l #	100
77) Bromobenzene	12.52	156	95438	29.015	ug/l	100
78) n-propylbenzene	12.59	91	476471	30.136	ug/l	100
79) 2-Chlorotoluene	12.67	91	279304	29.215	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	344009	30.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48228	28.241	ug/l	99
82) 4-Chlorotoluene	12.77	91	289853	29.611	ug/l	99
83) tert-Butylbenzene	12.99	119	285674	29.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	341601	30.352	ug/l	99
85) sec-Butylbenzene	13.17	105	391865	30.733	ug/l	99
86) p-Isopropyltoluene	13.29	119	353934	30.649	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	173070	28.614	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	169779	27.841	ug/l	99
89) n-Butylbenzene	13.61	91	319863	29.544	ug/l	99
90) Hexachloroethane	13.87	117	64838	29.703	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	167267	28.042	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28274	24.840	ug/l	96

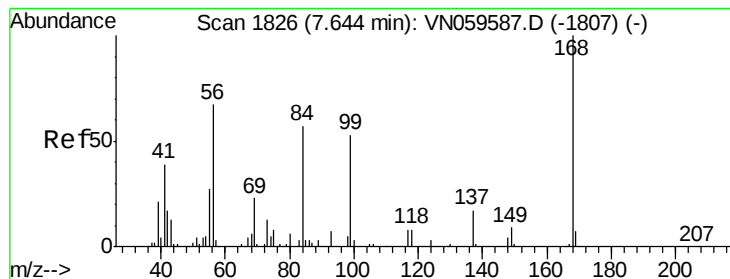
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100897	26.195	ug/l	100
94) Hexachlorobutadiene	15.01	225	56032	27.846	ug/l	99
95) Naphthalene	15.12	128	286398	24.907	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	99294	25.488	ug/l	99

(#) = 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: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

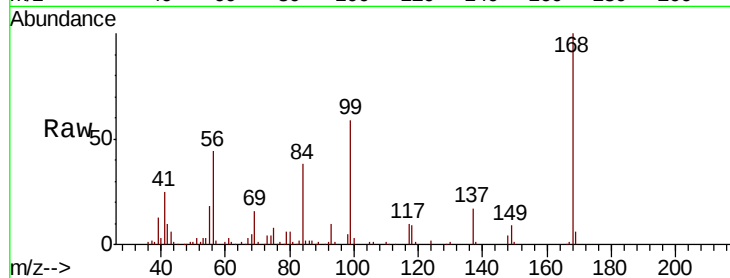
VN1216WBS02

Tgt Ion:168 Resp: 251236

Ion Ratio Lower Upper

168 100

99 58.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

120000

100000

80000

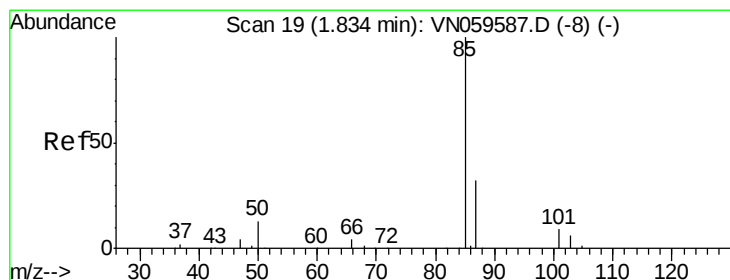
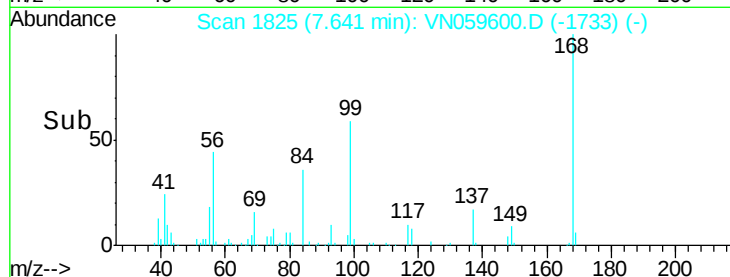
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 28.440 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059600.D

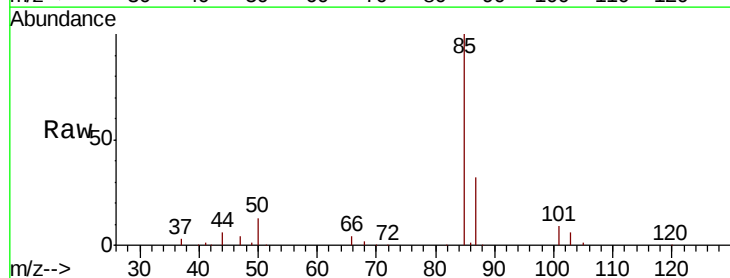
Acq: 16 Dec 2019 14:10

Tgt Ion: 85 Resp: 92330

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

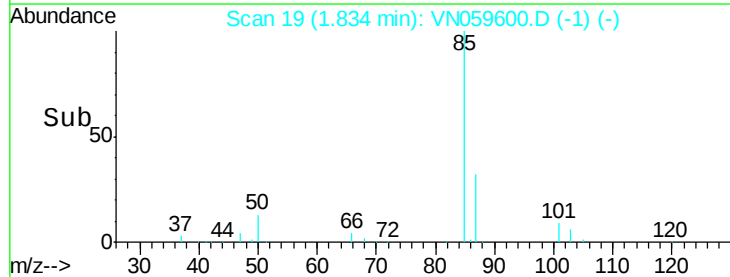
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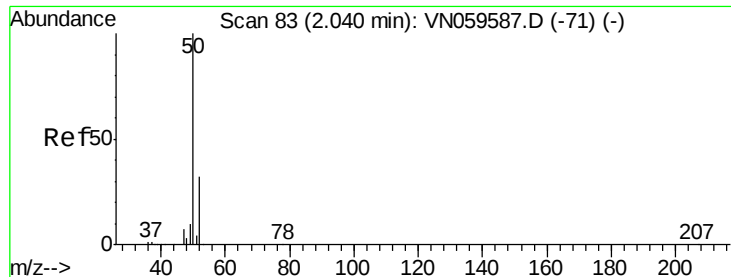
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 28.190 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

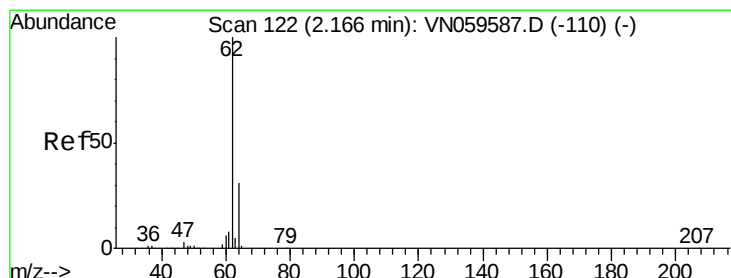
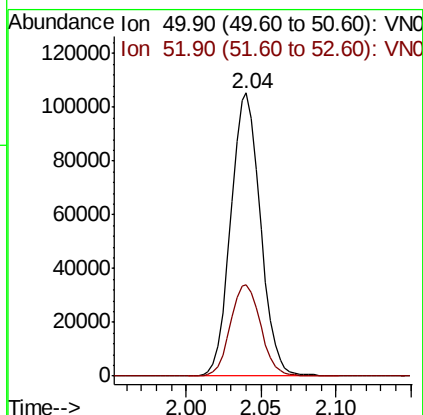
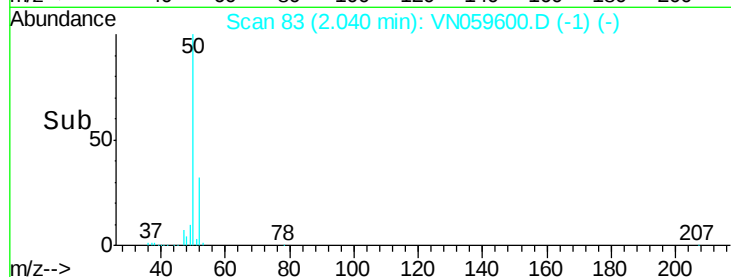
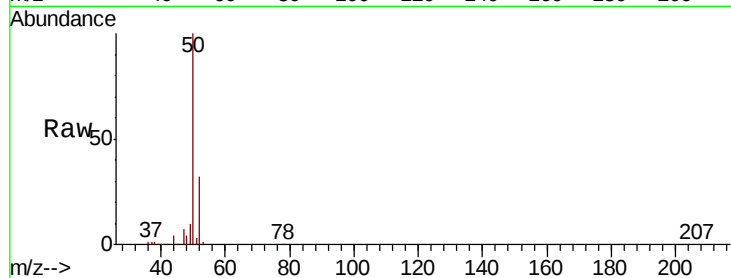
VN1216WBS02

Tgt Ion: 50 Resp: 145231

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



#4

Vinyl Chloride

Concen: 27.235 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059600.D

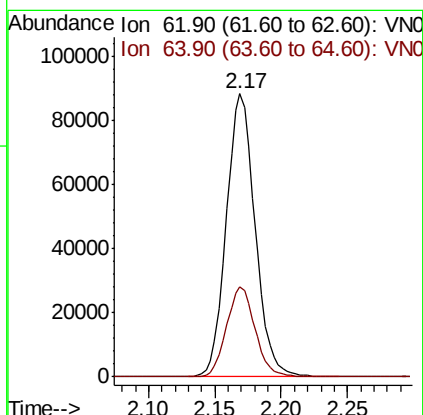
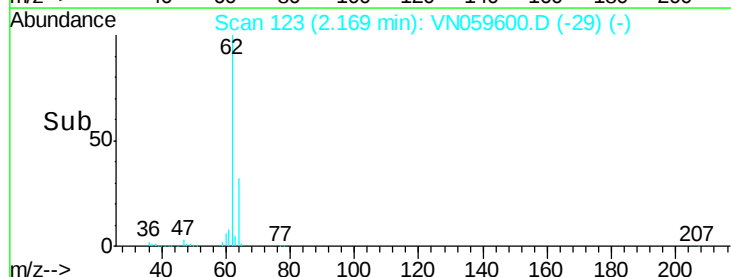
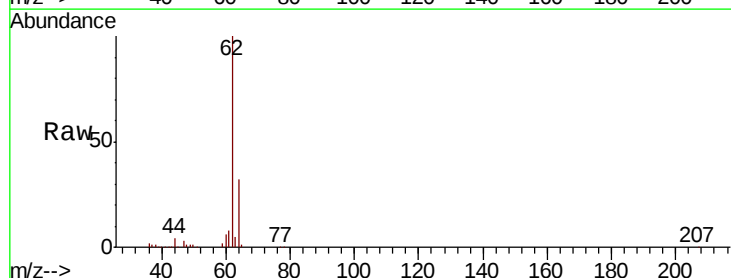
Acq: 16 Dec 2019 14:10

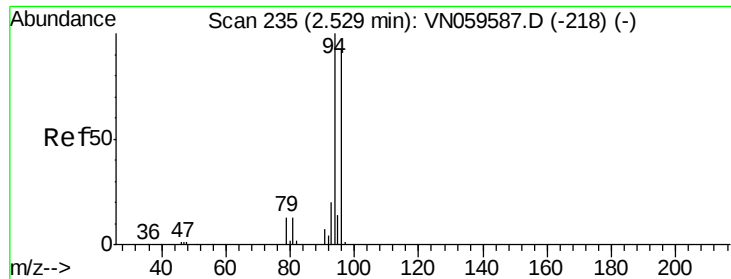
Tgt Ion: 62 Resp: 133056

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0





#5

Bromomethane

Concen: 28.989 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

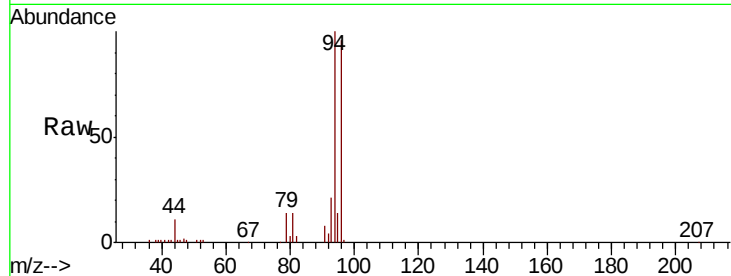
VN1216WBS02

Tgt Ion: 94 Resp: 82332

Ion Ratio Lower Upper

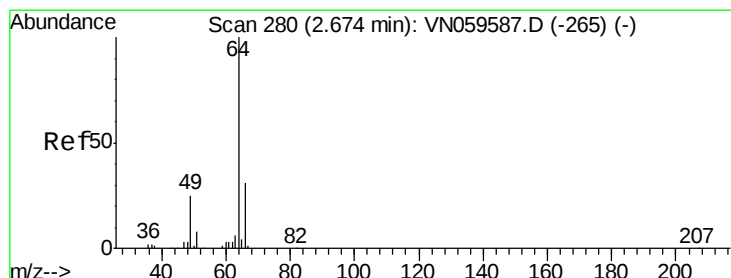
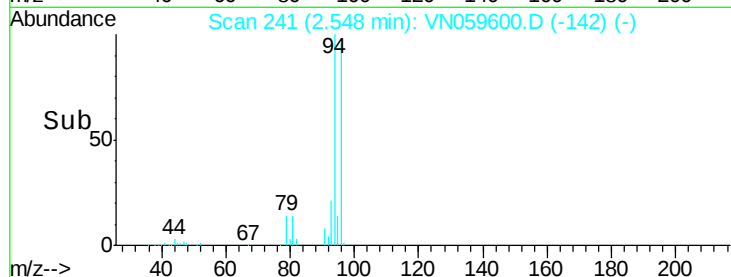
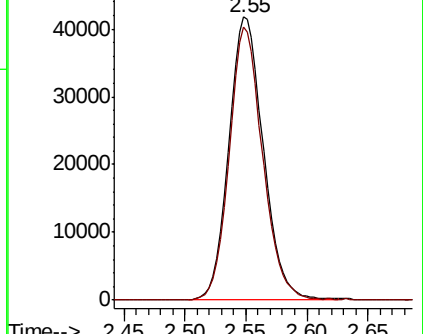
94 100

96 96.3 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 28.691 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059600.D

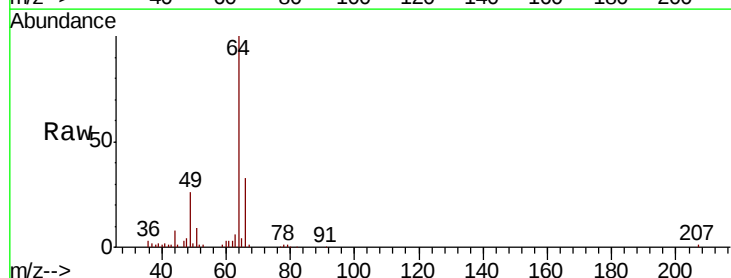
Acq: 16 Dec 2019 14:10

Tgt Ion: 64 Resp: 78780

Ion Ratio Lower Upper

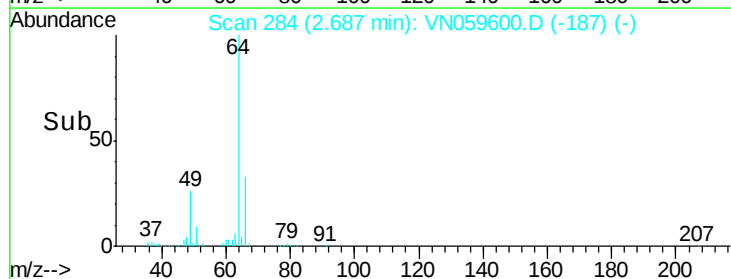
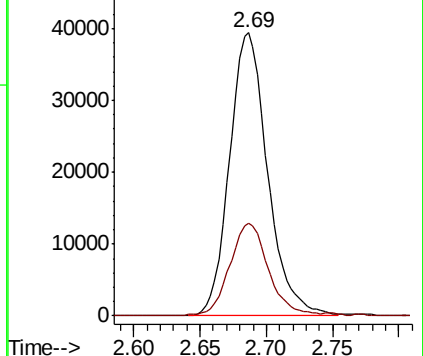
64 100

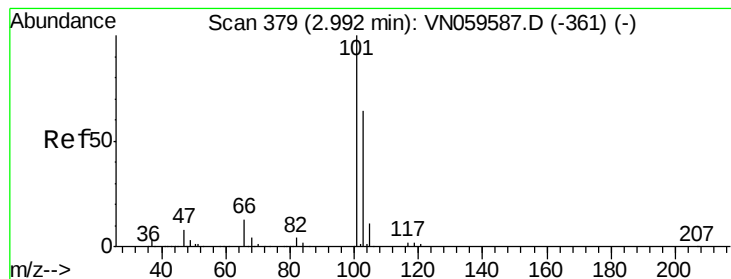
66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



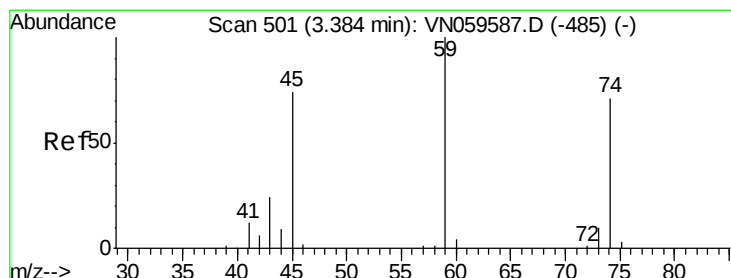
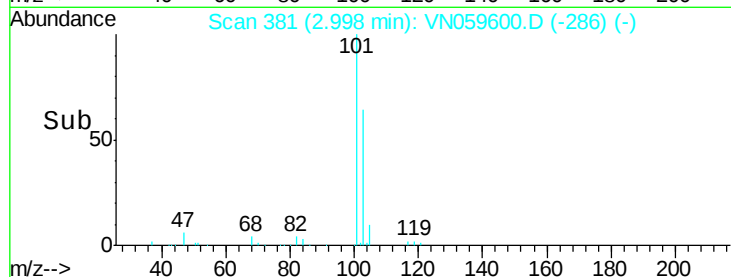
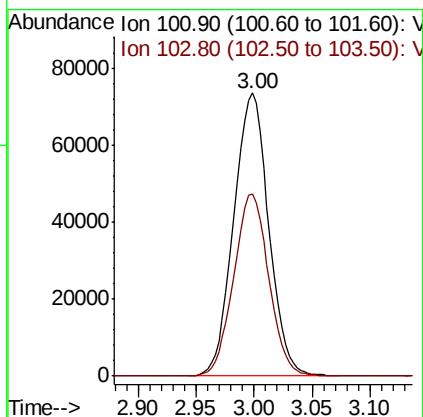
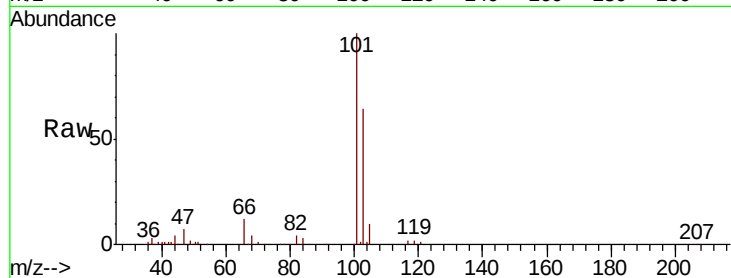


#7

Trichlorofluoromethane
 Concen: 28.806 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
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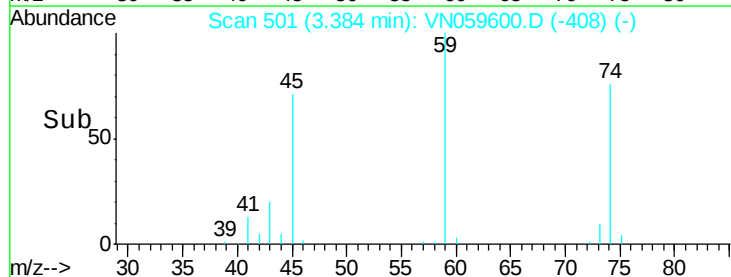
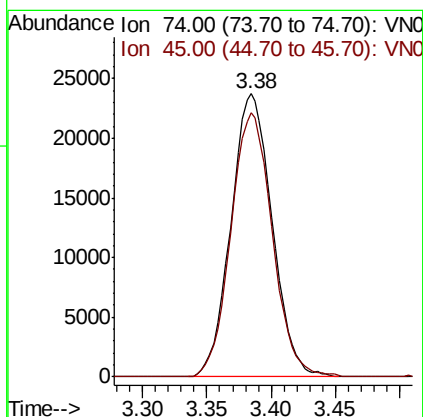
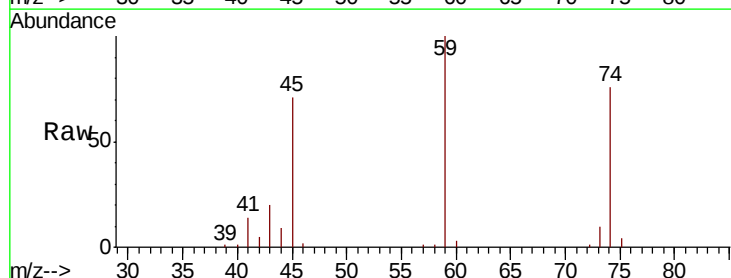
Tgt Ion: 101 Resp: 154411
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6

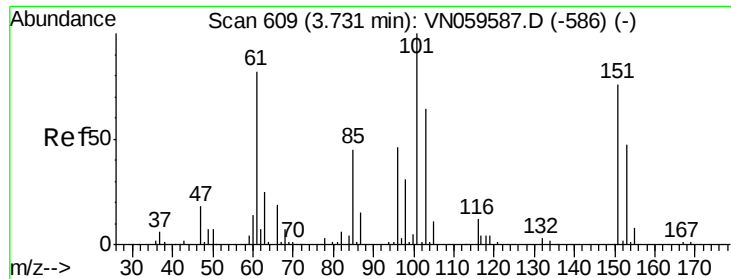


#8

Diethyl Ether
 Concen: 31.423 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 74 Resp: 52629
 Ion Ratio Lower Upper
 74 100
 45 94.0 51.9 155.8

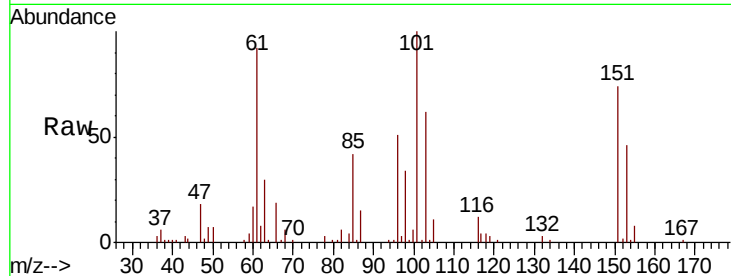




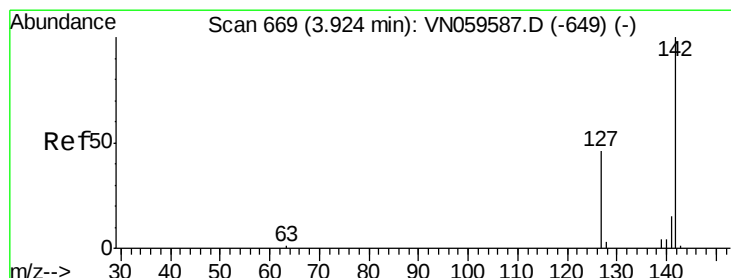
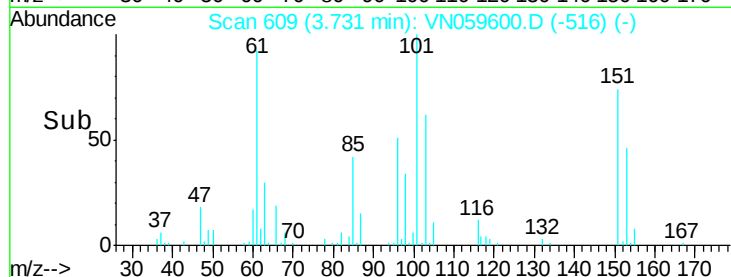
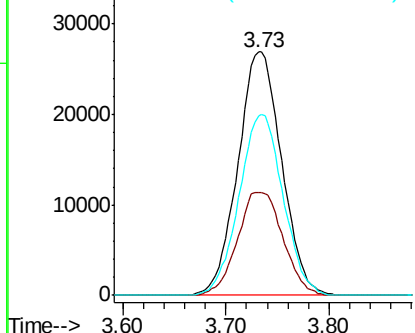
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 29.350 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN059600.D
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Instrument :
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 ClientSampleId :
 VN1216WBS02

Tgt Ion:101 Resp: 79283
 Ion Ratio Lower Upper
 101 100
 85 44.0 36.6 54.8
 151 74.7 59.7 89.5

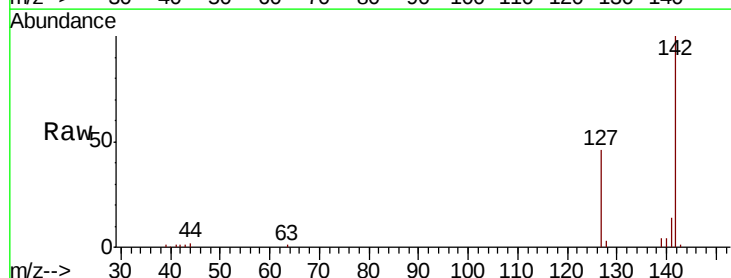


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

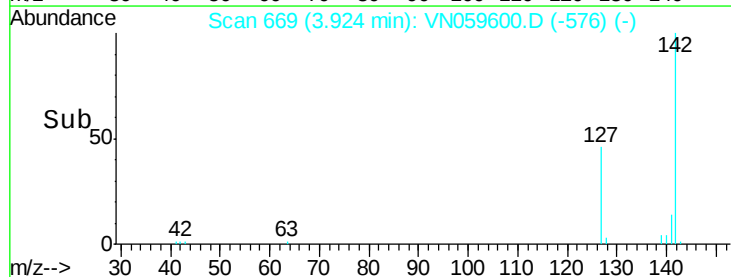
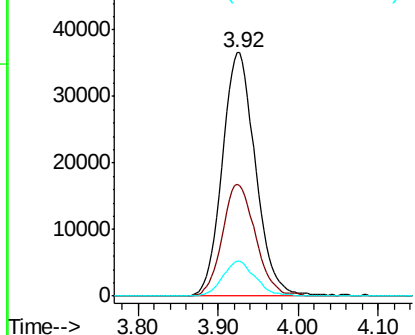


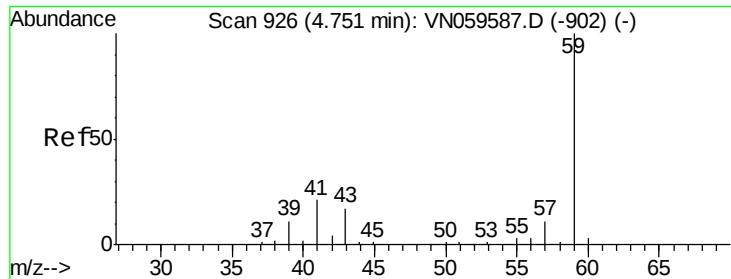
#10
 Methyl Iodide
 Concen: 29.046 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion:142 Resp: 103872
 Ion Ratio Lower Upper
 142 100
 127 45.7 36.7 55.1
 141 14.0 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

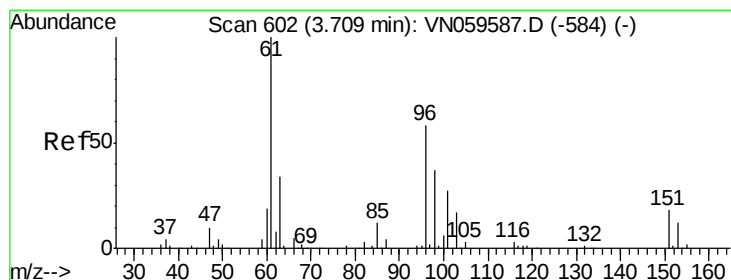
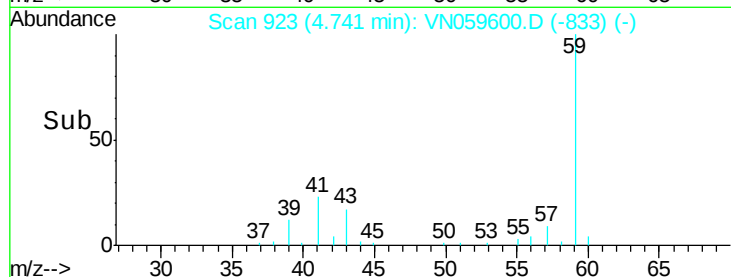
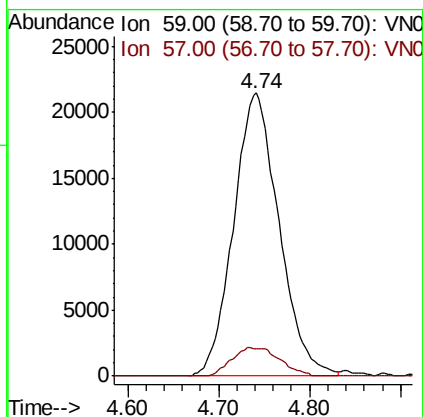
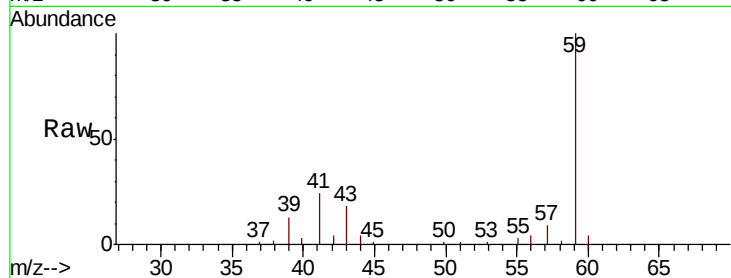




#11
Tert butyl alcohol
Concen: 110.986 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

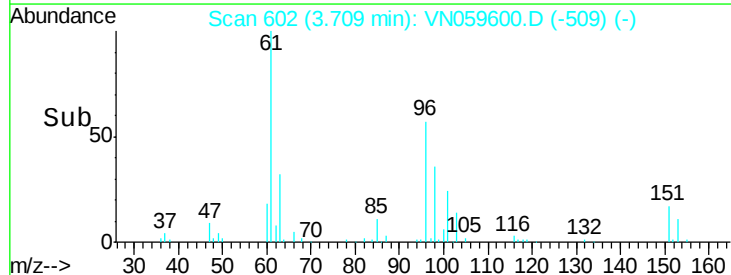
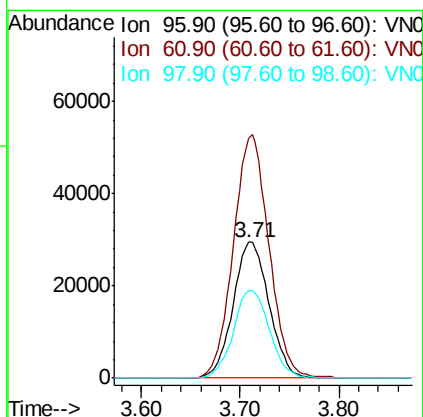
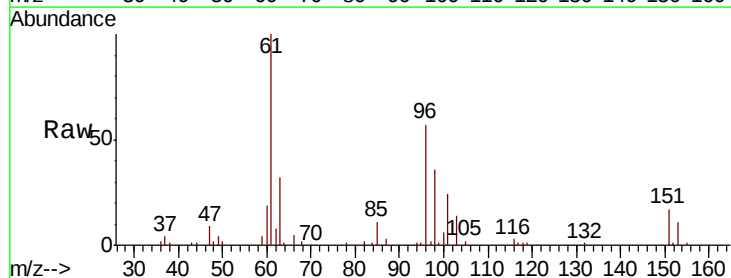
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

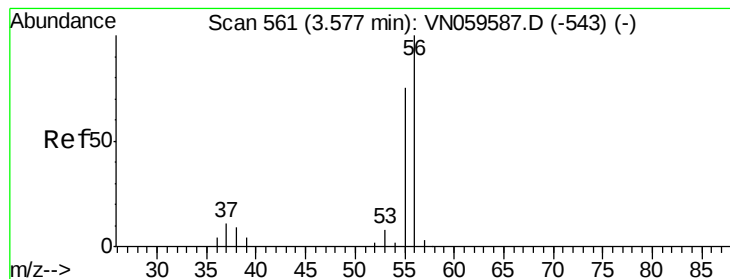
Tgt Ion: 59 Resp: 74387
Ion Ratio Lower Upper
59 100
57 5.5 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 28.299 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 96 Resp: 74572
Ion Ratio Lower Upper
96 100
61 176.9 137.5 206.3
98 64.5 50.2 75.4





#13

Acrolein

Concen: 149.435 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

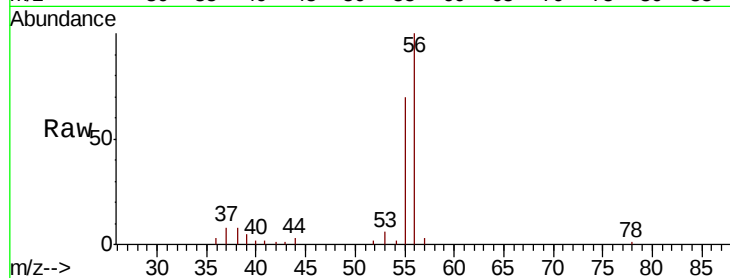
VN1216WBS02

Tgt Ion: 56 Resp: 71345

Ion Ratio Lower Upper

56 100

55 71.1 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059587.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN059587.D (-543) (-)

3.58

30000

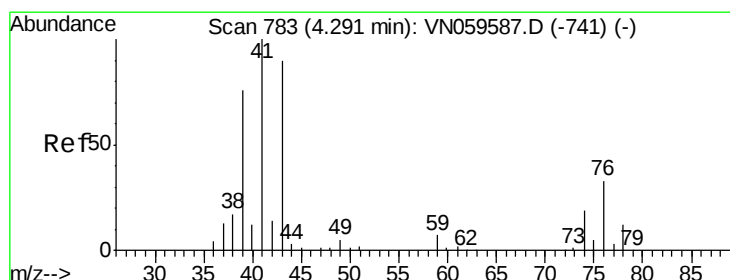
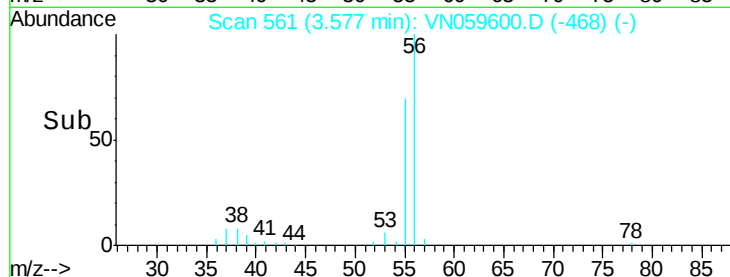
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 27.157 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

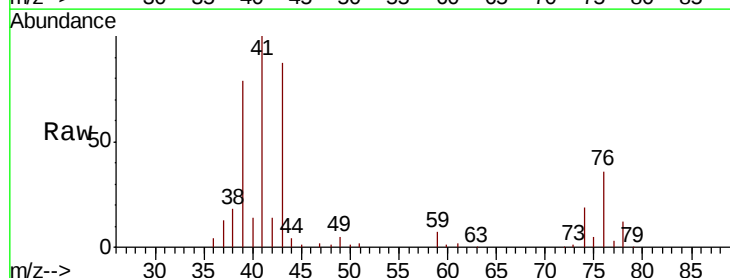
Tgt Ion: 41 Resp: 146909

Ion Ratio Lower Upper

41 100

39 74.1 57.8 86.8

76 32.1 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-741) (-)

Ion 39.00 (38.70 to 39.70): VN059587.D (-741) (-)

Ion 75.90 (75.60 to 76.60): VN059587.D (-741) (-)

4.29

60000

50000

40000

30000

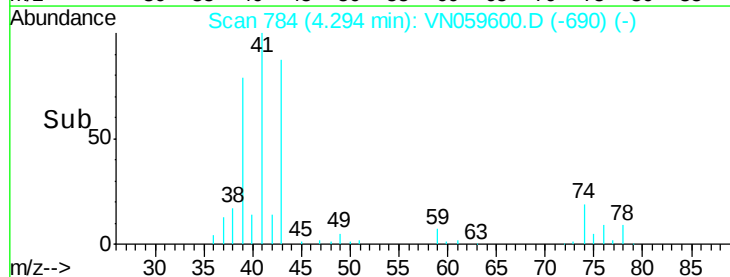
20000

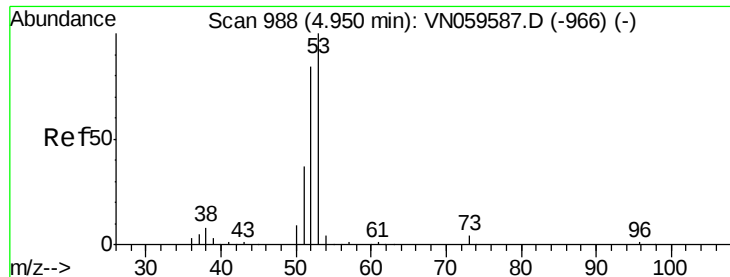
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 138.804 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.01 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

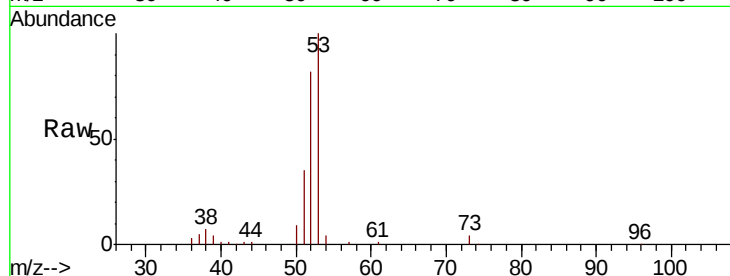
Tgt Ion: 53 Resp: 225031

Ion Ratio Lower Upper

53 100

52 84.2 66.3 99.5

51 36.6 29.7 44.5



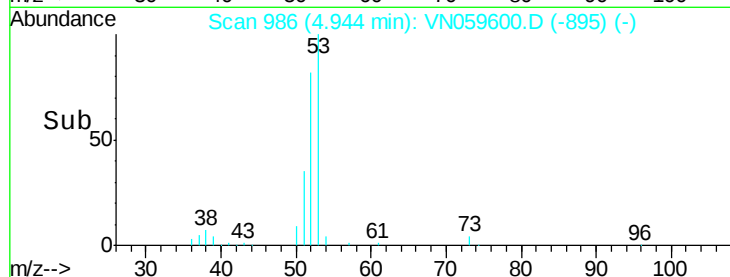
Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

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

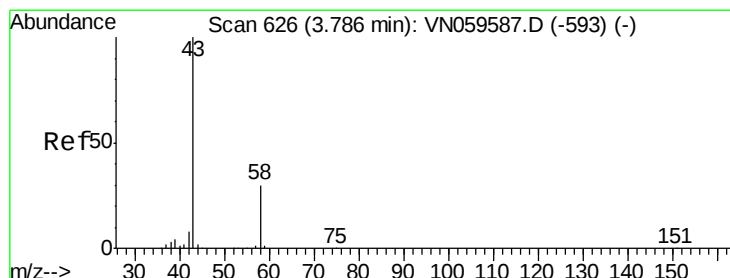
Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)

4.94

Time-->



Time-->



#16

Acetone

Concen: 120.466 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.00 min

Lab File: VN059600.D

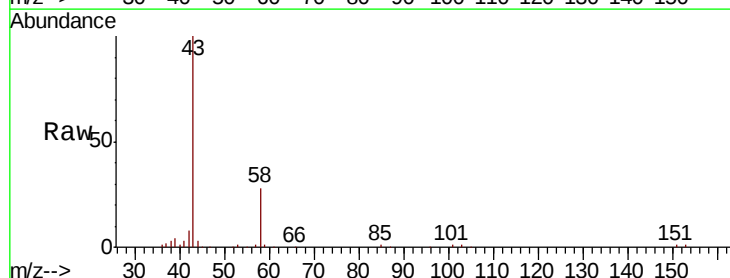
Acq: 16 Dec 2019 14:10

Tgt Ion: 43 Resp: 261474

Ion Ratio Lower Upper

43 100

58 28.2 23.6 35.4

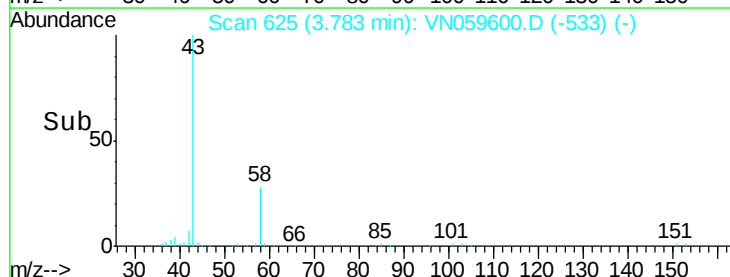


Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

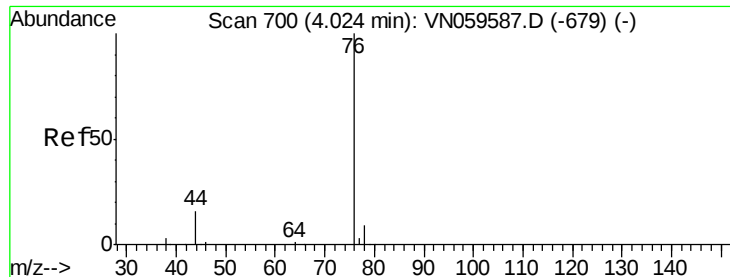
Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

3.78

Time-->



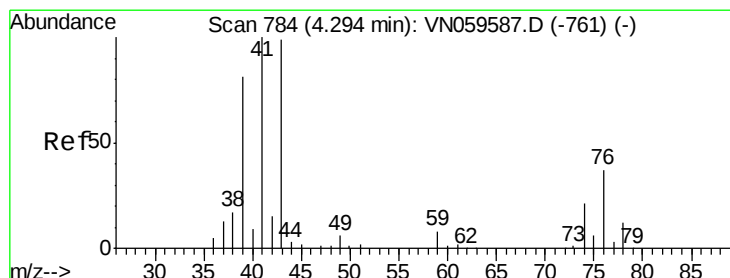
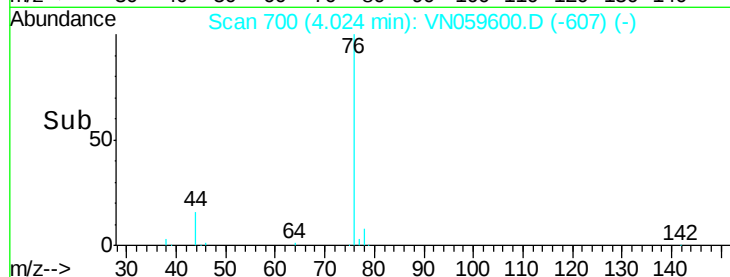
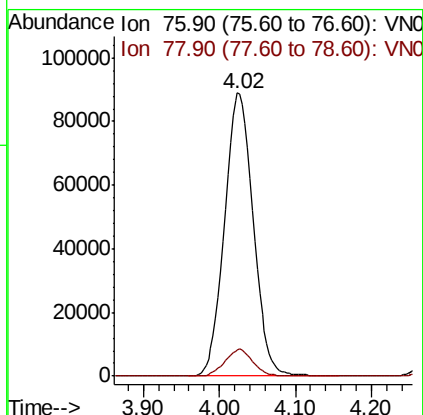
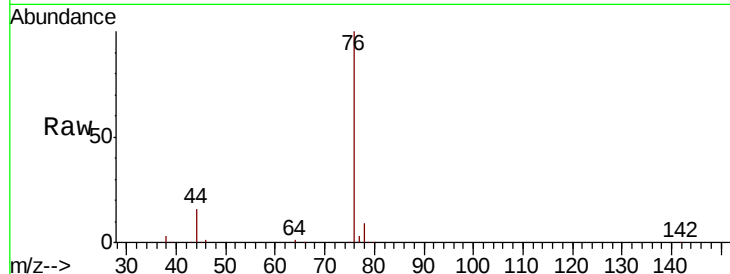
Time-->



#17
Carbon Disulfide
Concen: 26.017 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

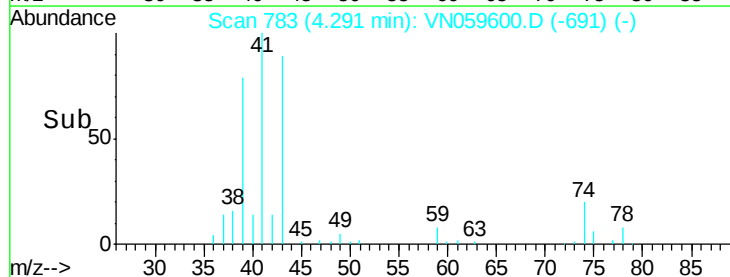
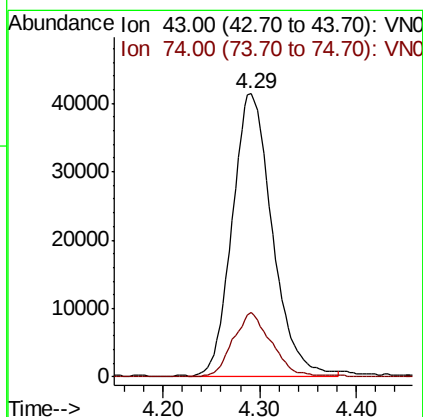
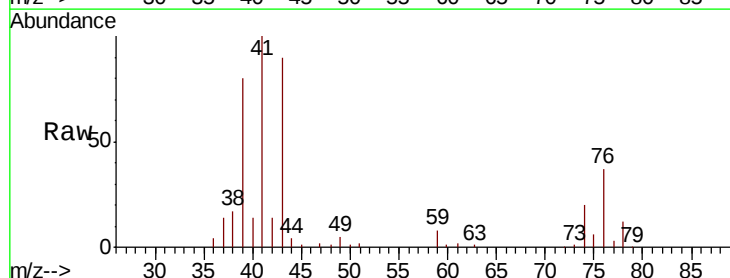
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

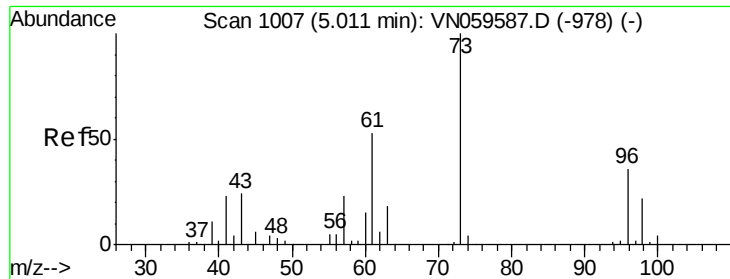
Tgt Ion: 76 Resp: 234304
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 26.322 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 43 Resp: 119717
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3

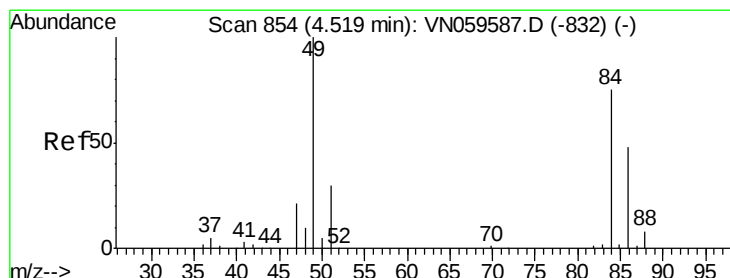
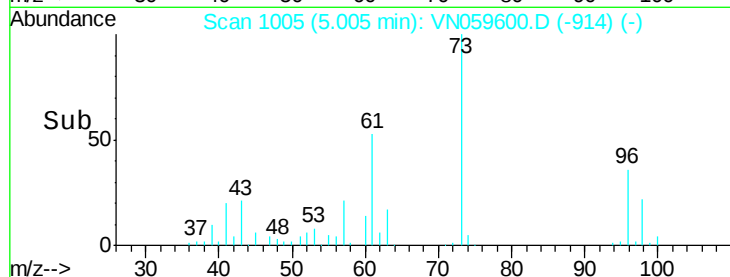
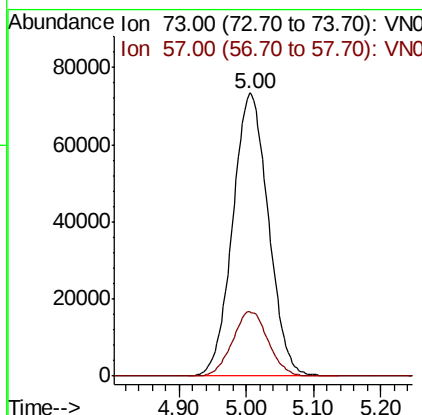
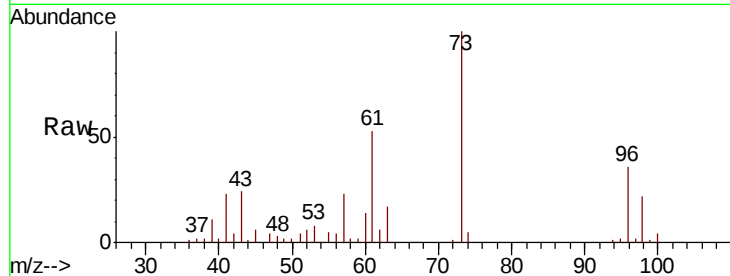




#19
Methyl tert-butyl Ether
Concen: 29.040 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

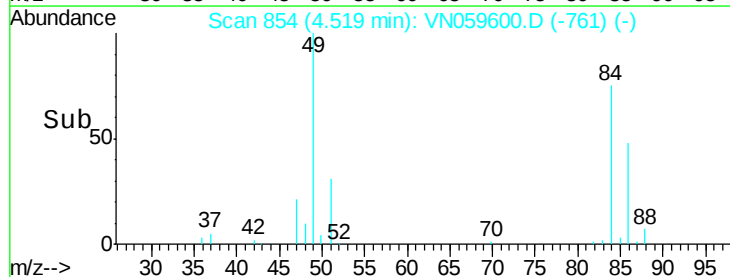
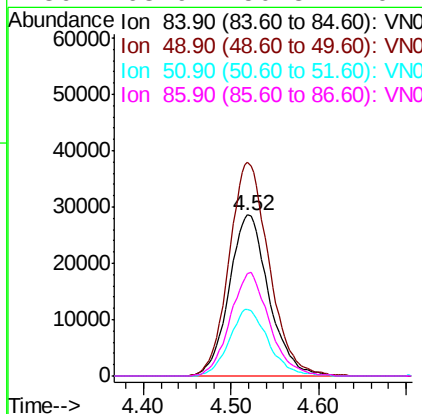
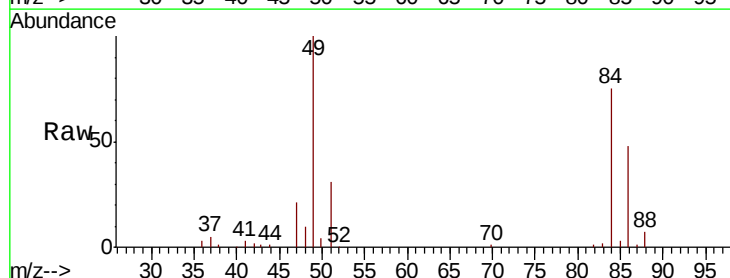
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

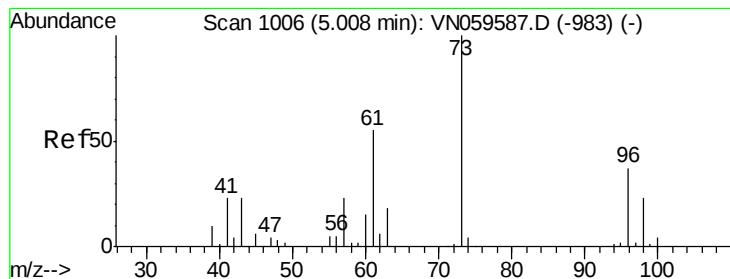
Tgt Ion: 73 Resp: 270189
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8



#20
Methylene Chloride
Concen: 28.741 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 84 Resp: 90097
Ion Ratio Lower Upper
84 100
49 132.6 106.6 160.0
51 41.6 31.9 47.9
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 28.263 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

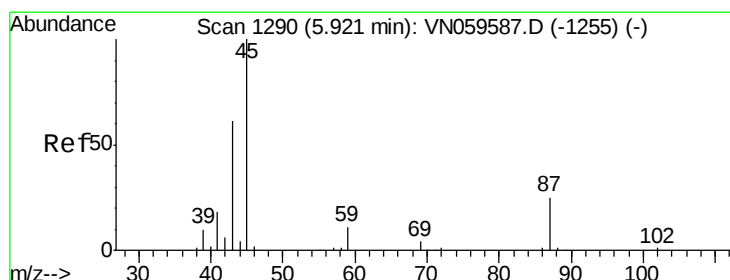
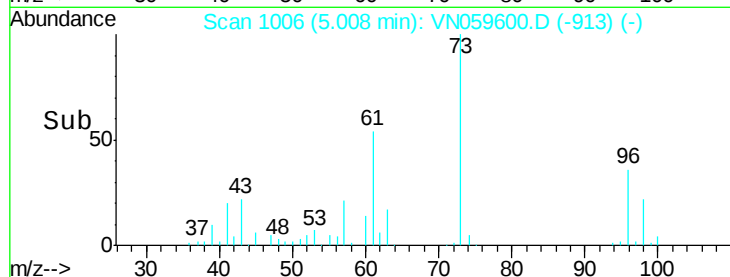
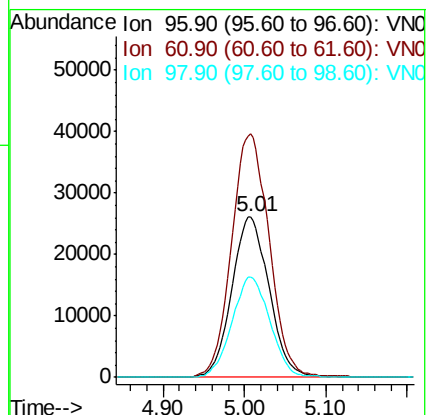
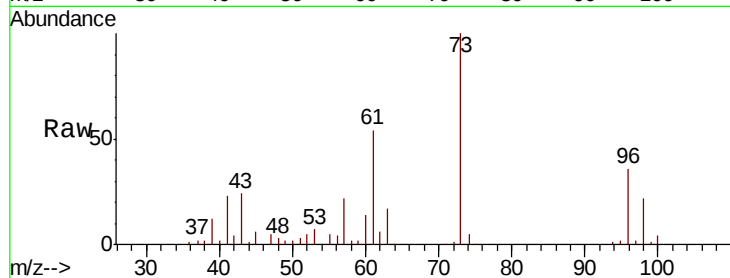
Tgt Ion: 96 Resp: 83027

Ion Ratio Lower Upper

96 100

61 151.2 120.4 180.6

98 62.5 50.6 75.8



#22

Diisopropyl ether

Concen: 29.639 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion: 45 Resp: 295589

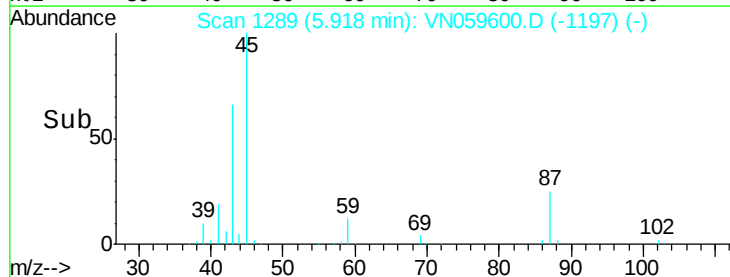
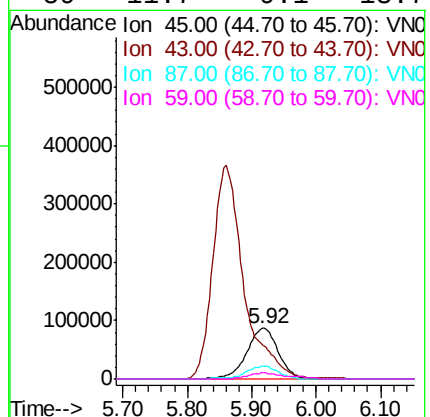
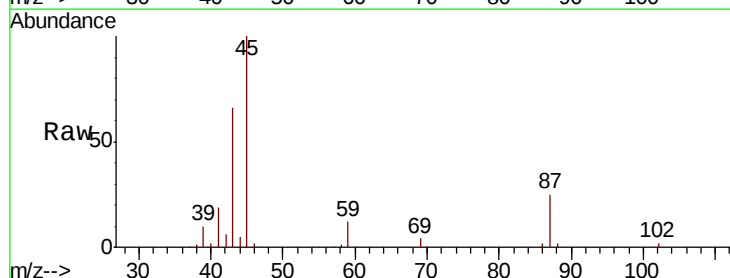
Ion Ratio Lower Upper

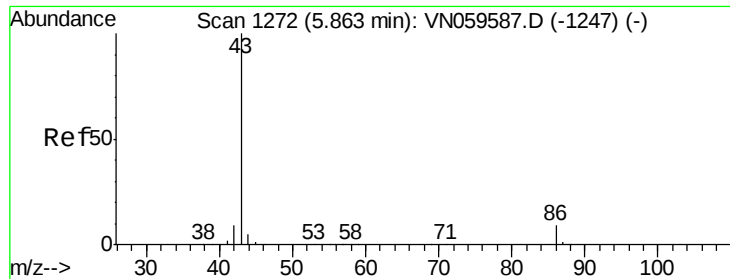
45 100

43 64.6 50.8 76.2

87 24.9 21.0 31.6

59 11.7 9.1 13.7

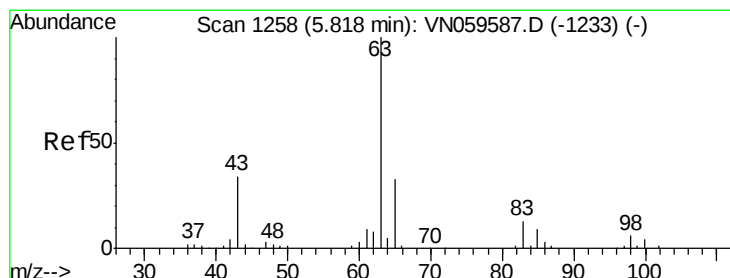
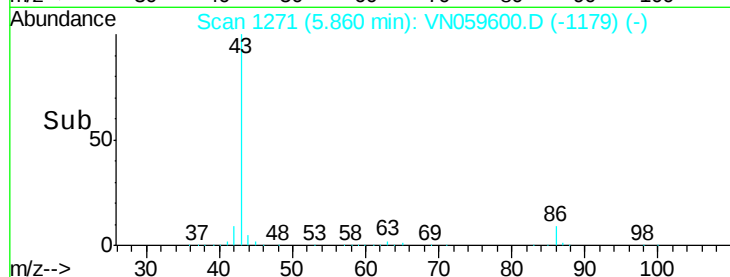
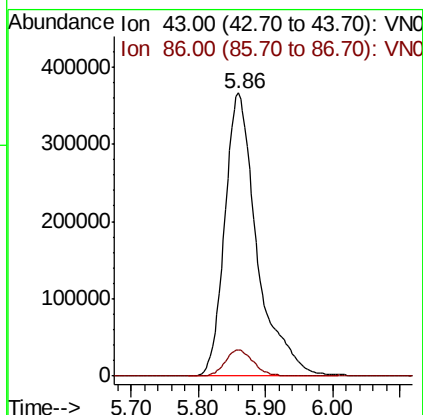
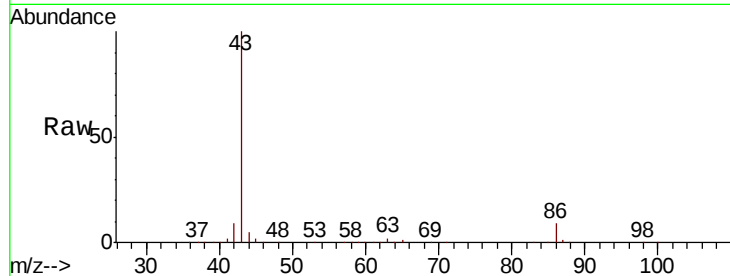




#23
 Vinyl Acetate
 Concen: 156.372 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

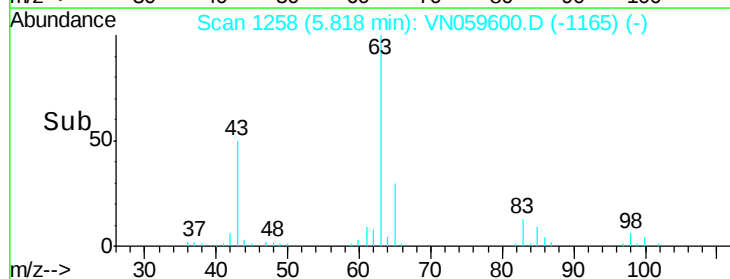
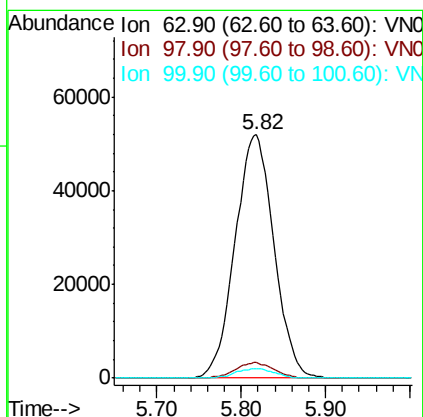
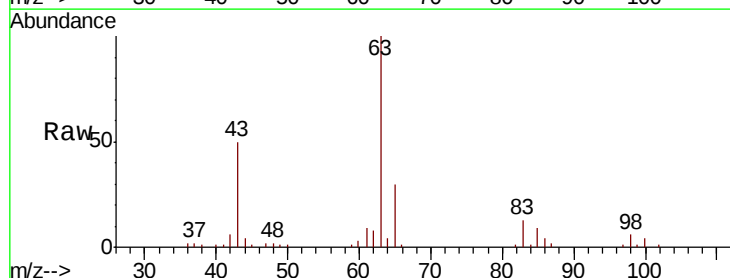
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

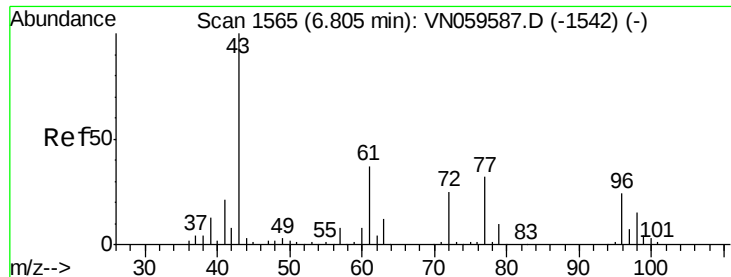
Tgt Ion: 43 Resp: 1223845
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 29.488 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 63 Resp: 166585
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.7
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 130.382 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

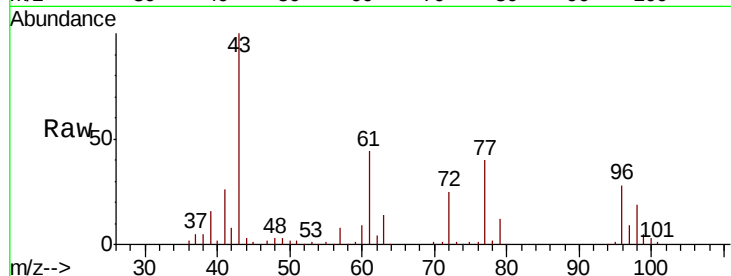
VN1216WBS02

Tgt Ion: 43 Resp: 338408

Ion Ratio Lower Upper

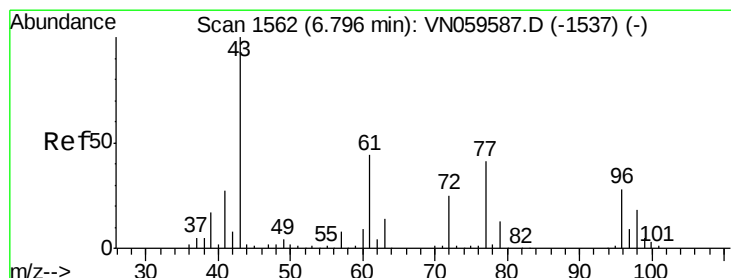
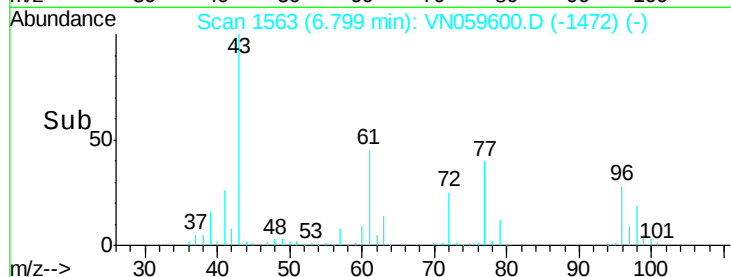
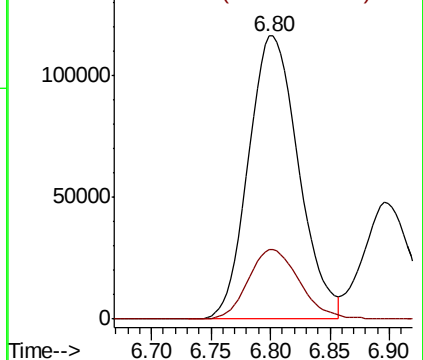
43 100

72 24.7 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: 29.865 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059600.D

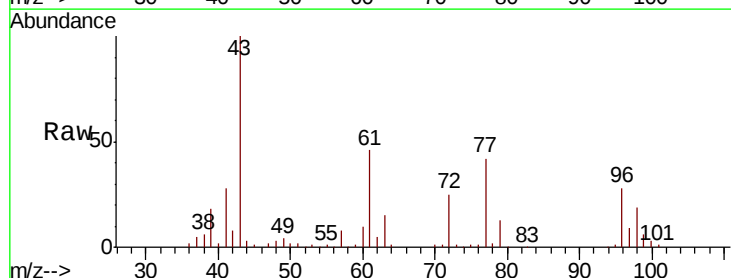
Acq: 16 Dec 2019 14:10

Tgt Ion: 77 Resp: 153338

Ion Ratio Lower Upper

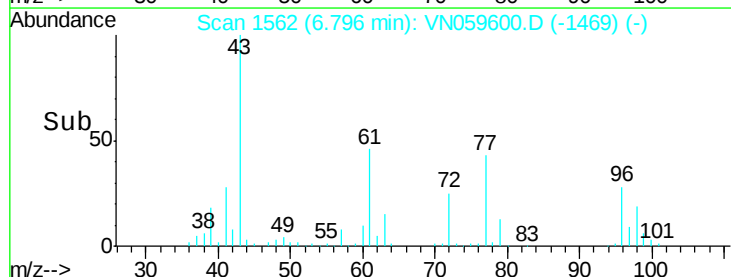
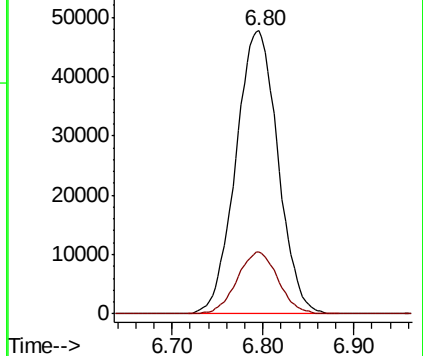
77 100

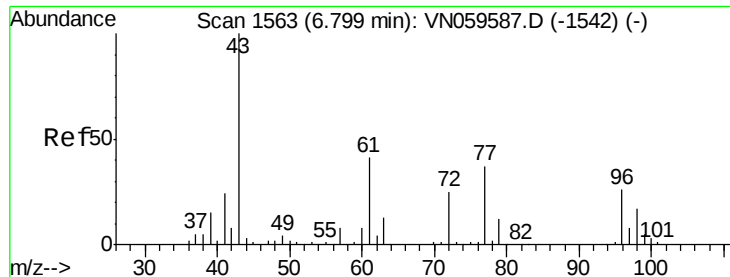
97 21.2 10.7 31.9



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: 28.927 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN1216WBS02

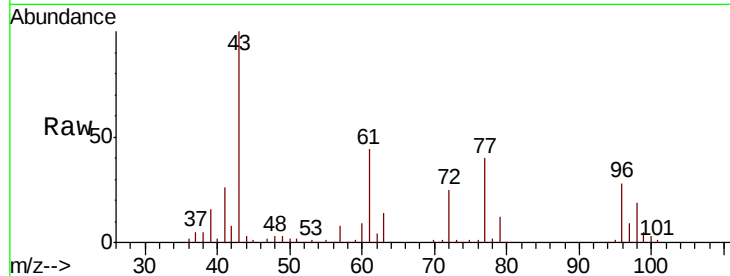
Tgt Ion: 96 Resp: 94161

Ion Ratio Lower Upper

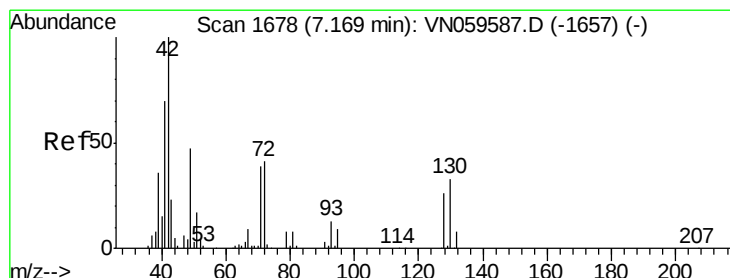
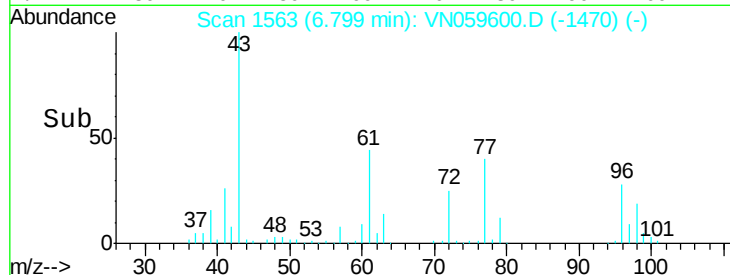
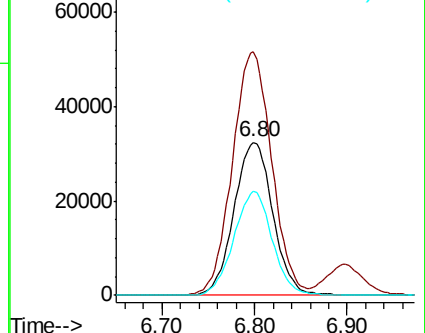
96 100

61 161.5 0.0 317.6

98 66.8 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.430 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

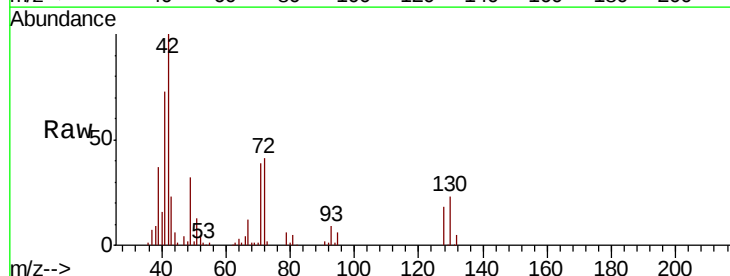
Tgt Ion: 49 Resp: 45437

Ion Ratio Lower Upper

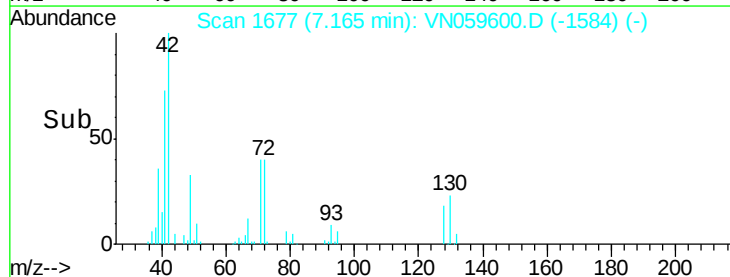
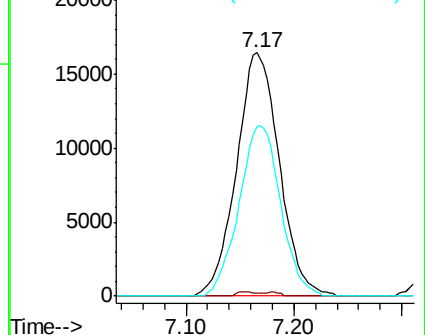
49 100

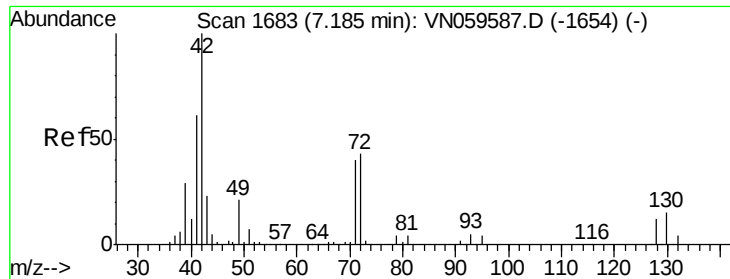
129 0.5 0.0 3.4

130 67.9 54.7 82.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

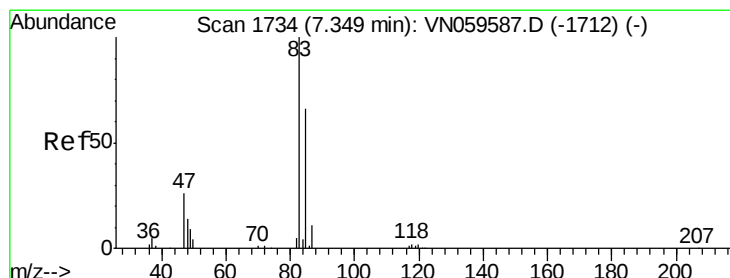
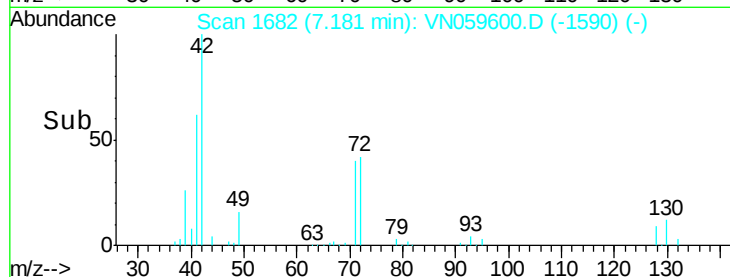
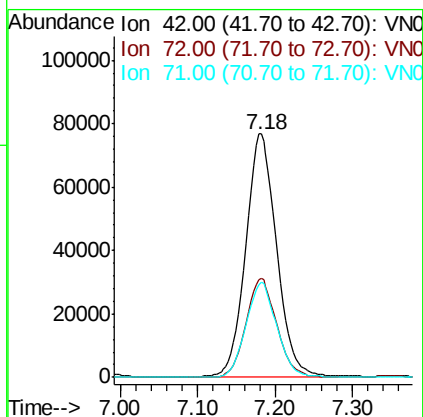
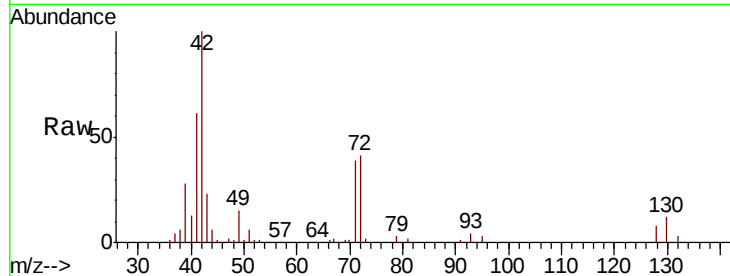




#29
Tetrahydrofuran
Concen: 136.057 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

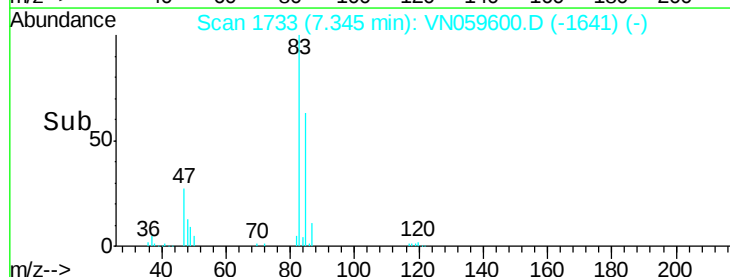
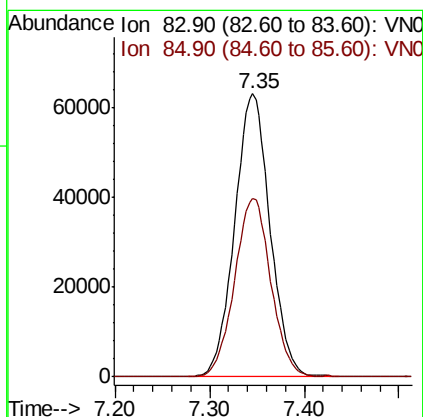
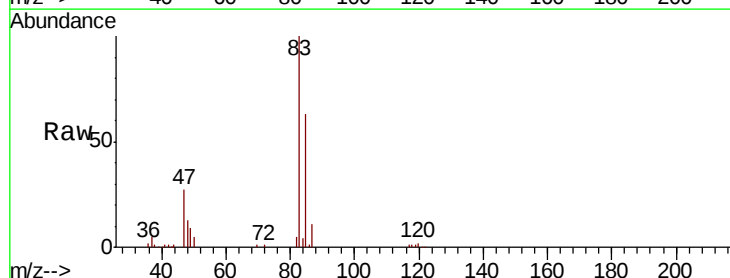
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

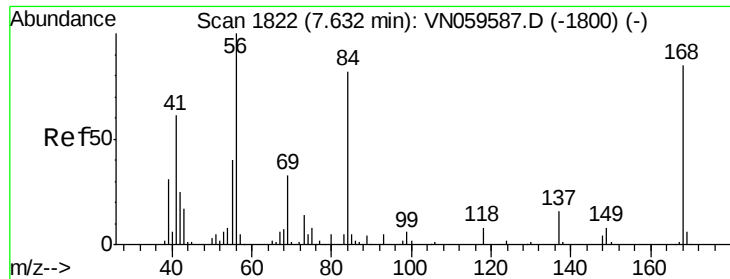
Tgt Ion: 42 Resp: 215162
Ion Ratio Lower Upper
42 100
72 40.2 33.1 49.7
71 38.9 31.4 47.0



#30
Chloroform
Concen: 29.435 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 83 Resp: 163680
Ion Ratio Lower Upper
83 100
85 63.1 52.4 78.6

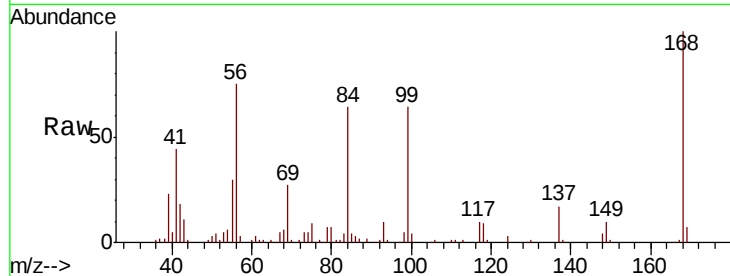




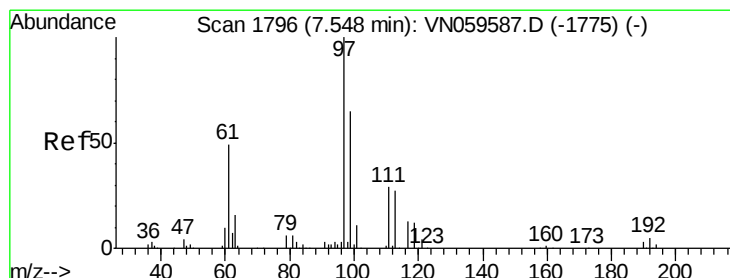
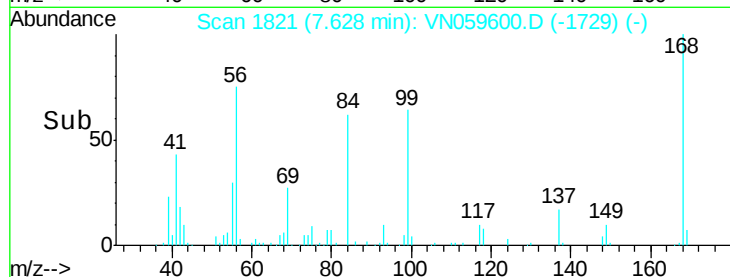
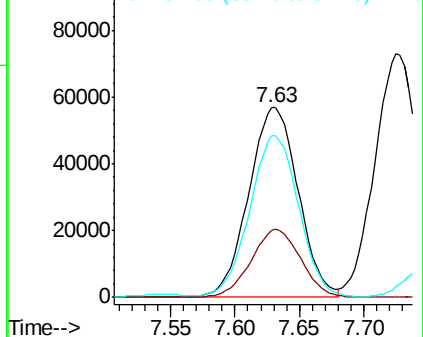
#31
Cyclohexane
Concen: 28.445 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tgt Ion: 56 Resp: 151836
Ion Ratio Lower Upper
56 100
69 35.2 26.5 39.7
84 84.6 65.3 97.9

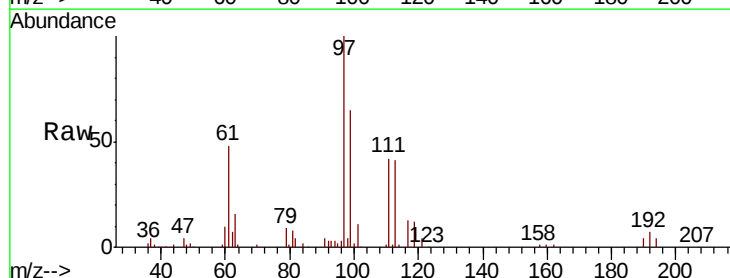


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

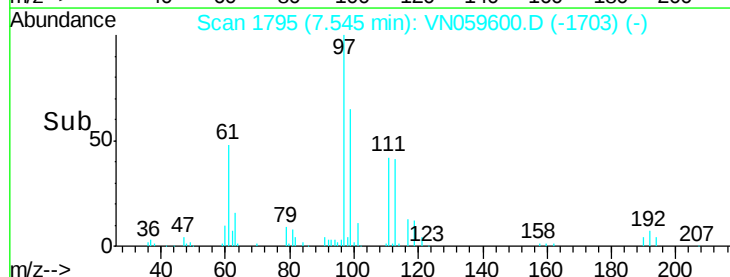
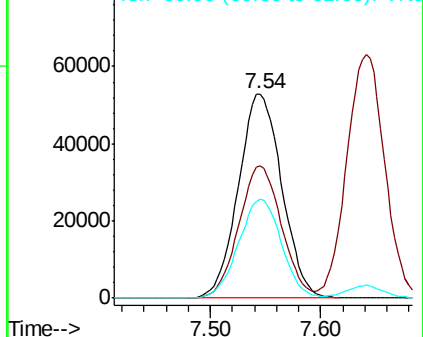


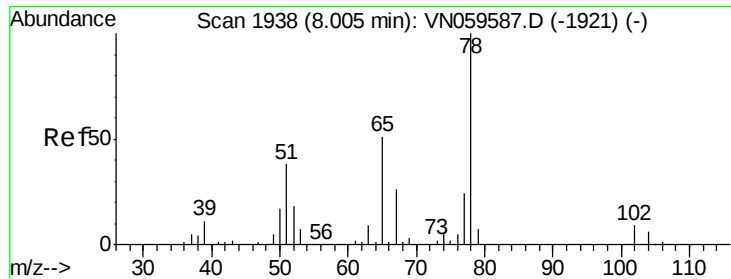
#32
1,1,1-Trichloroethane
Concen: 28.780 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 97 Resp: 144283
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 47.9 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

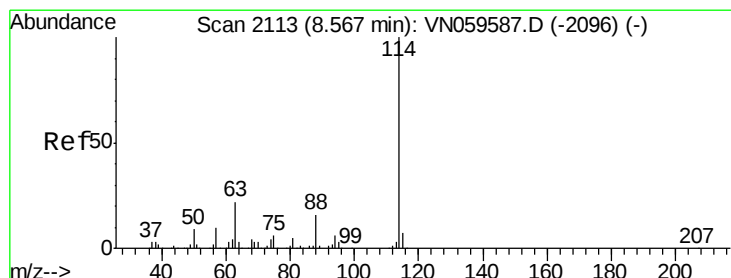
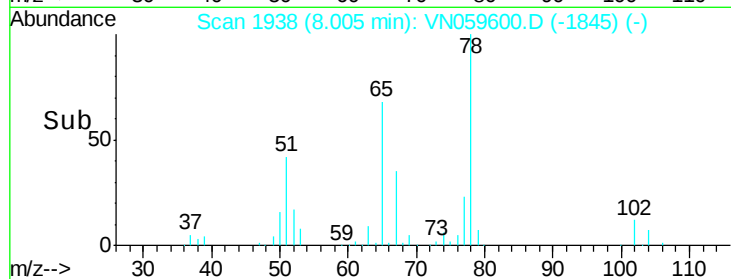
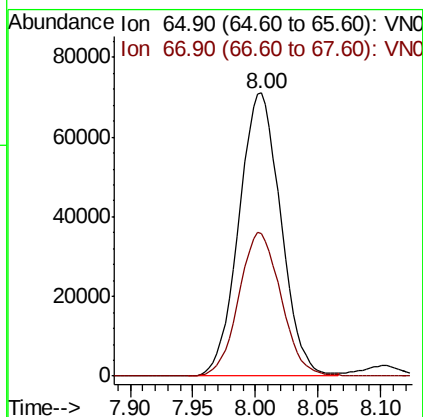
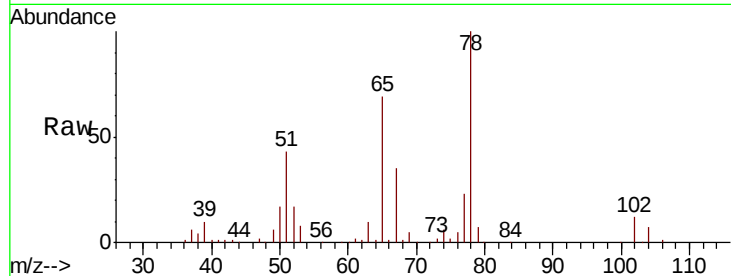




#33
 1,2-Dichloroethane-d4
 Concen: 45.224 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

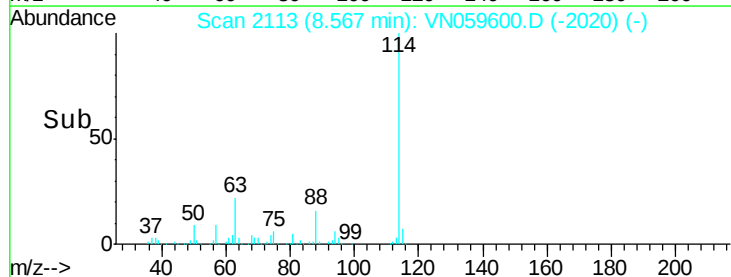
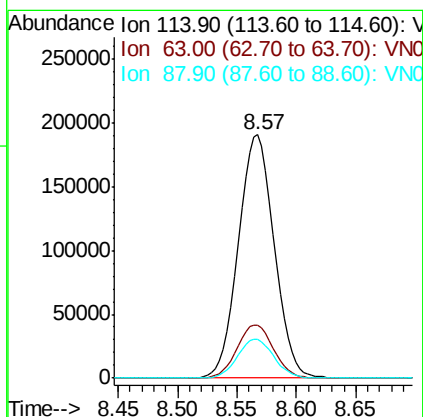
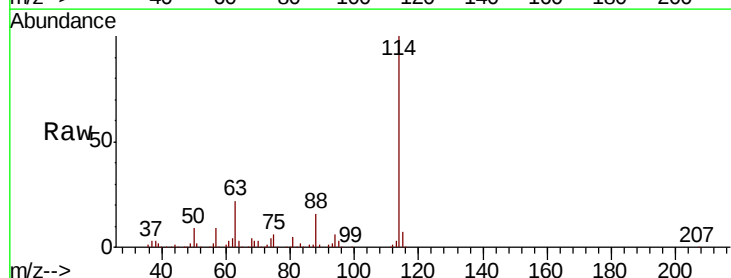
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

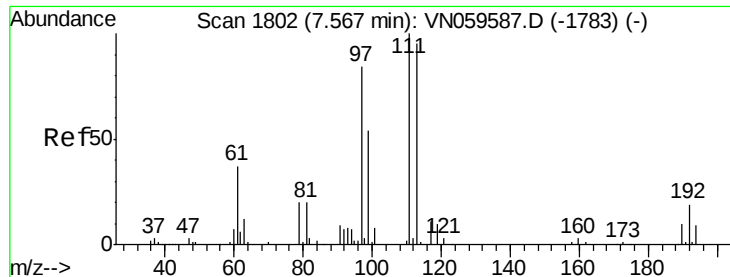
Tgt Ion: 65 Resp: 165334
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 114 Resp: 398527
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.591 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

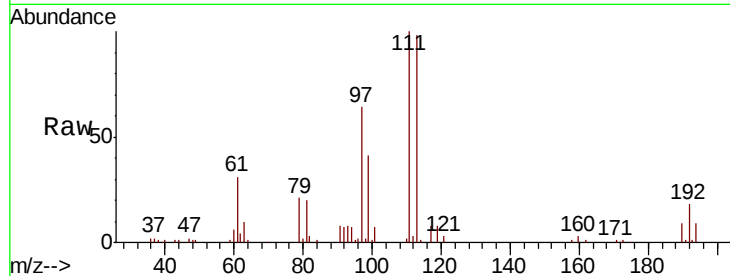
Tgt Ion:113 Resp: 116175

Ion Ratio Lower Upper

113 100

111 102.6 83.5 125.3

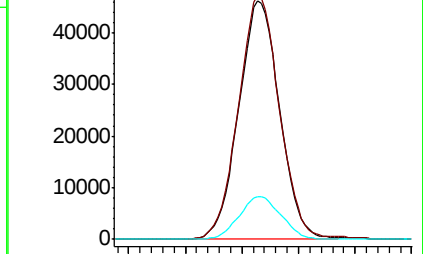
192 18.3 15.4 23.2



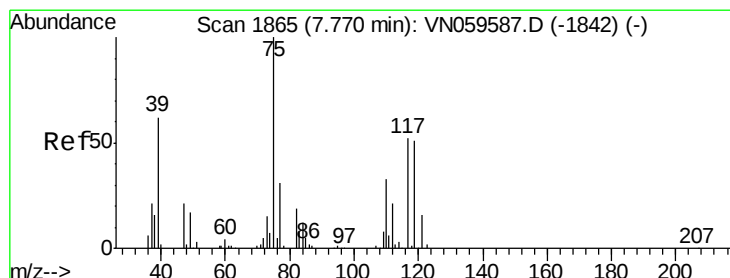
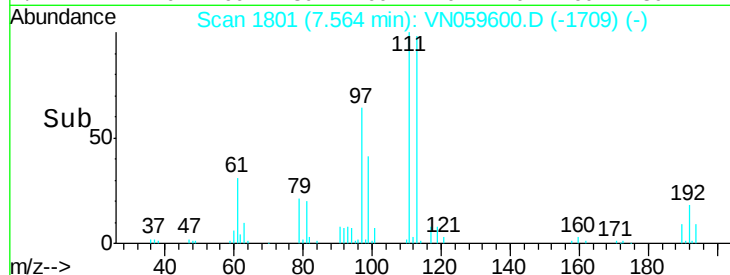
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time--> 7.45 7.50 7.55 7.60 7.65



#36

1,1-Dichloropropene

Concen: 30.350 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

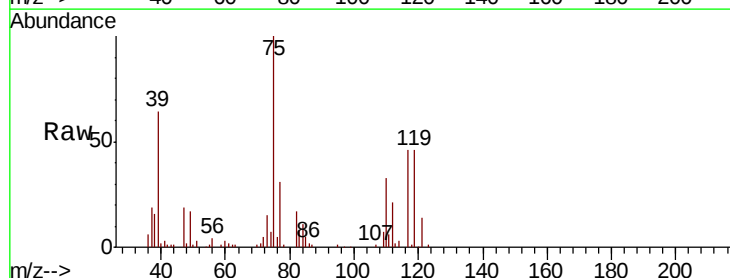
Tgt Ion: 75 Resp: 126135

Ion Ratio Lower Upper

75 100

110 32.3 16.6 49.7

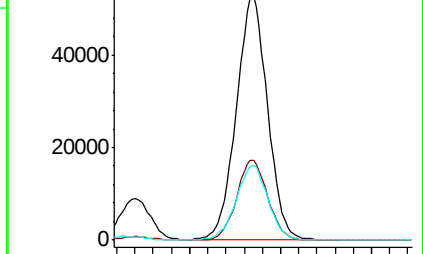
77 31.1 25.1 37.7



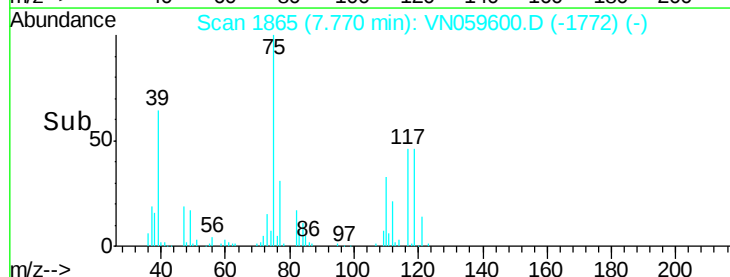
Abundance Ion 74.90 (74.60 to 75.60): V

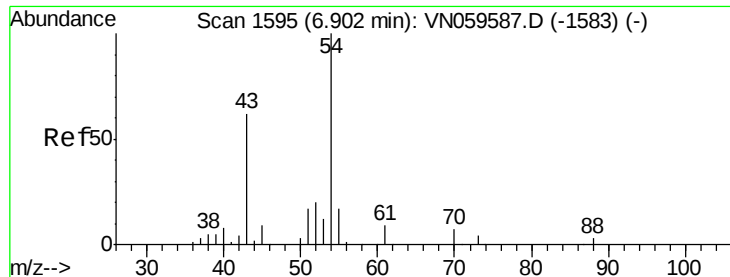
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



Time--> 7.70 7.75 7.80 7.85 7.90

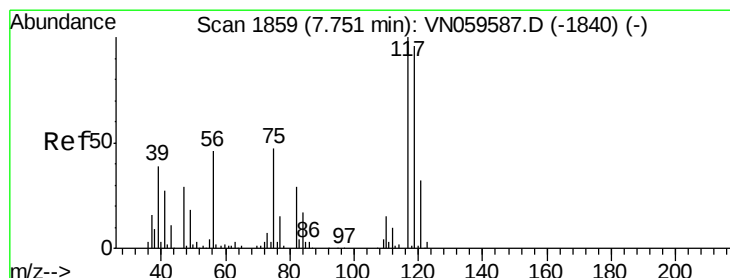
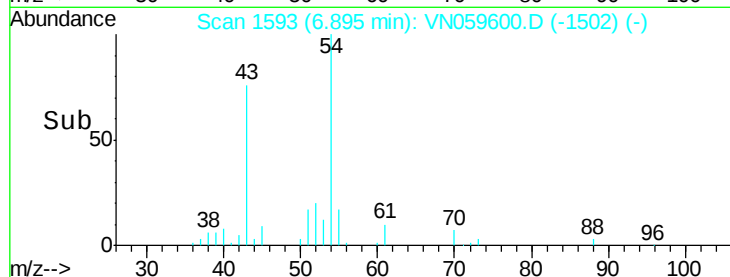
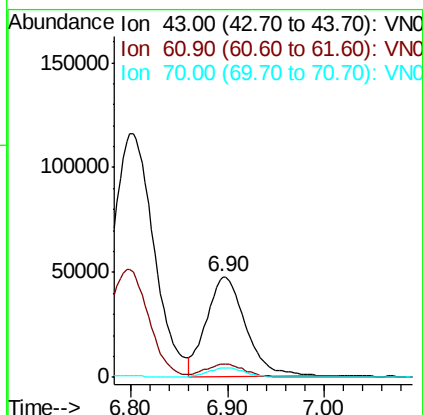
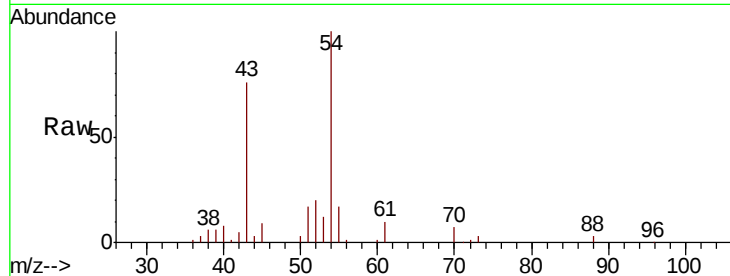




#37
 Ethyl Acetate
 Concen: 27.792 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

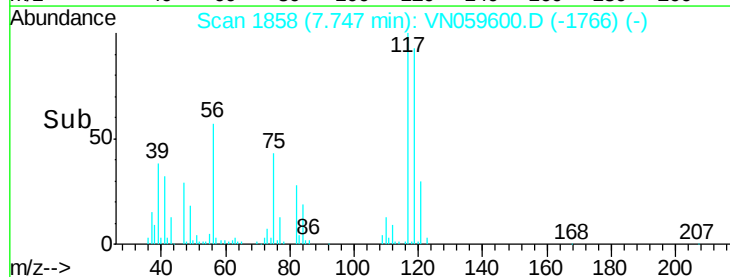
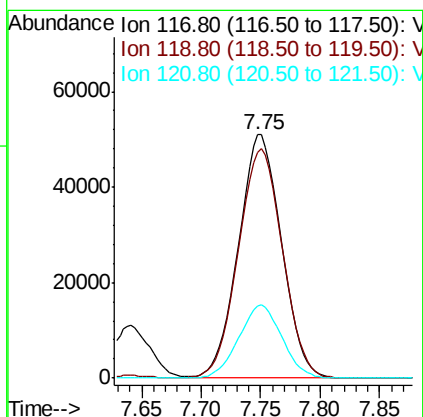
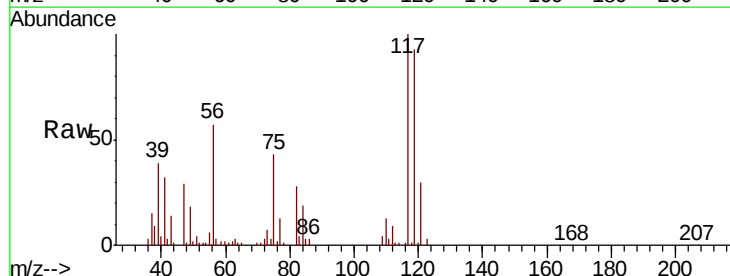
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

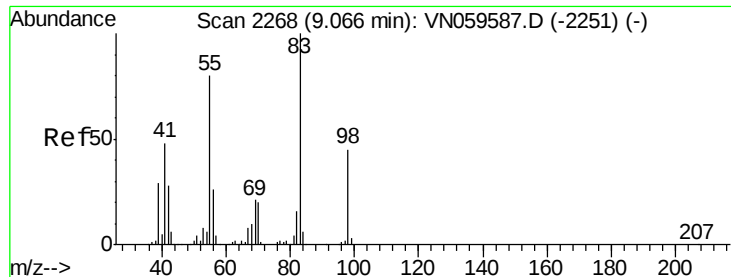
Tgt Ion: 43 Resp: 134246
 Ion Ratio Lower Upper
 43 100
 61 13.8 10.9 16.3
 70 9.2 7.7 11.5



#38
 Carbon Tetrachloride
 Concen: 29.672 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 117 Resp: 127965
 Ion Ratio Lower Upper
 117 100
 119 92.9 76.5 114.7
 121 29.6 25.1 37.7

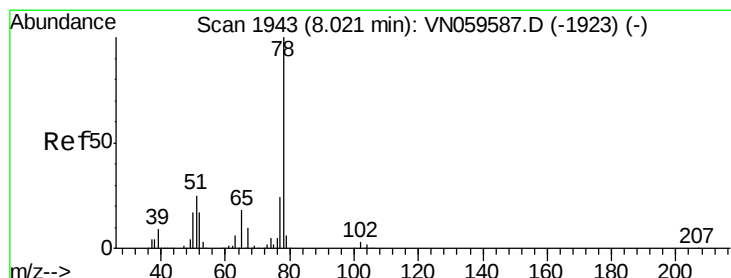
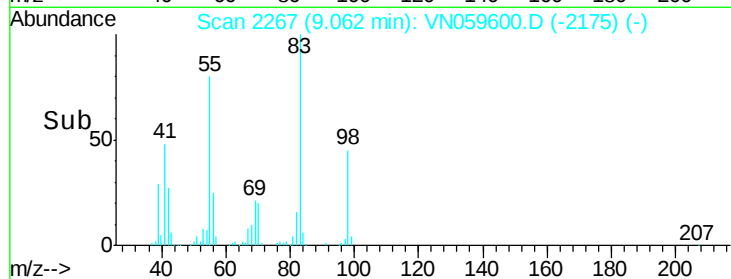
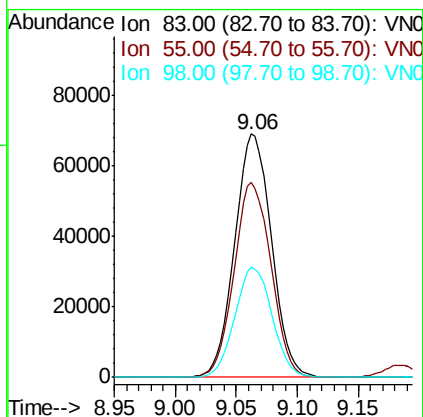
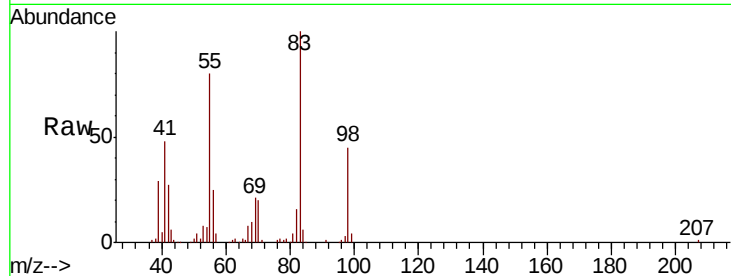




#39
Methylcyclohexane
Concen: 30.559 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

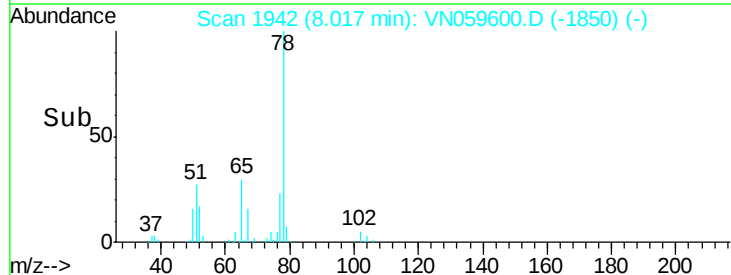
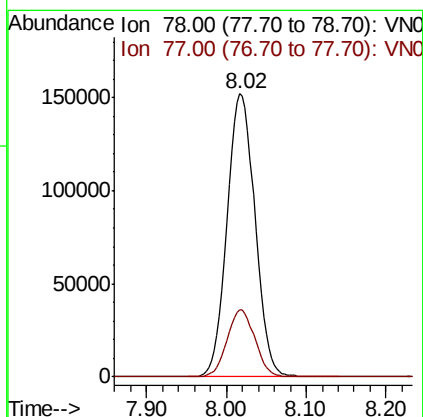
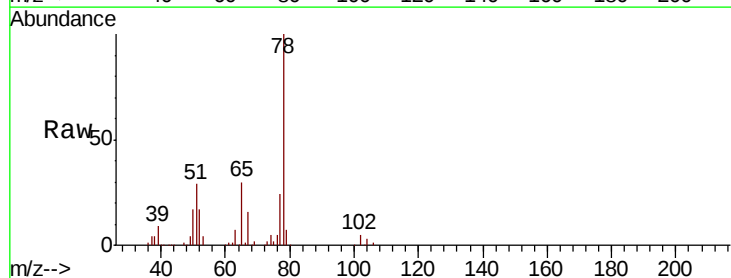
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

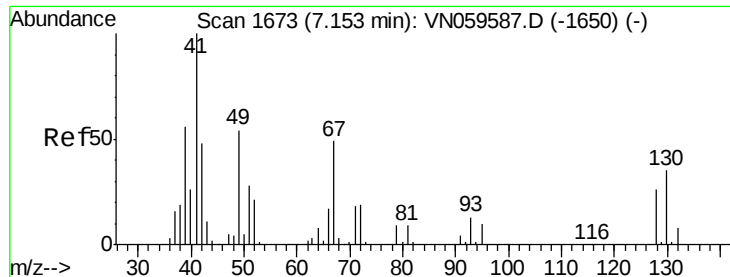
Tgt Ion: 83 Resp: 144061
Ion Ratio Lower Upper
83 100
55 80.1 64.2 96.2
98 45.1 35.9 53.9



#40
Benzene
Concen: 29.777 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 78 Resp: 361655
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

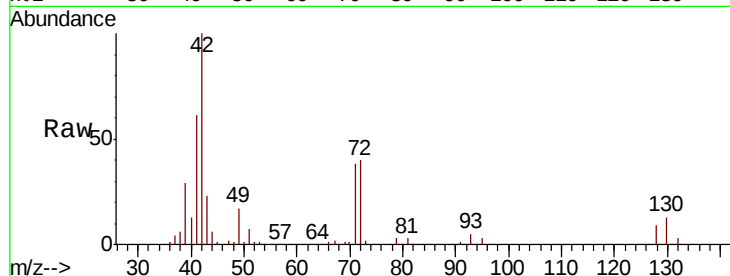




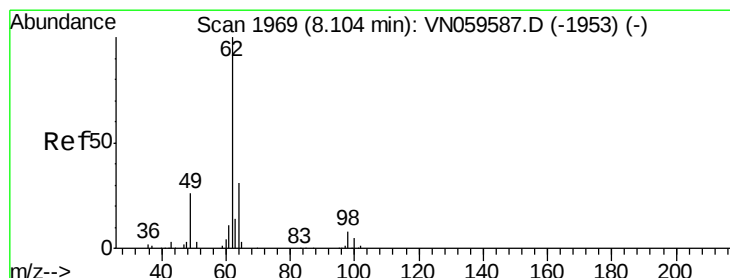
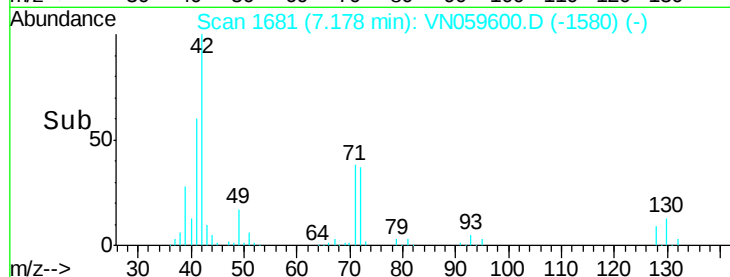
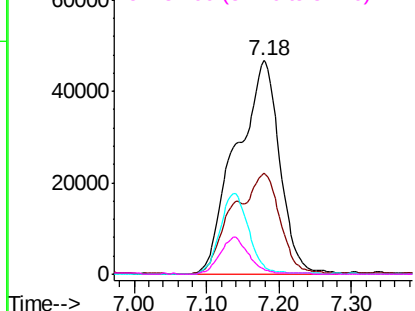
#41
Methacrylonitrile
Concen: 98.083 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tgt Ion:	41	Resp:	195531
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

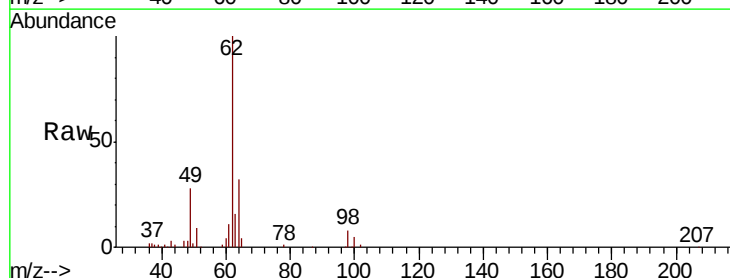


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

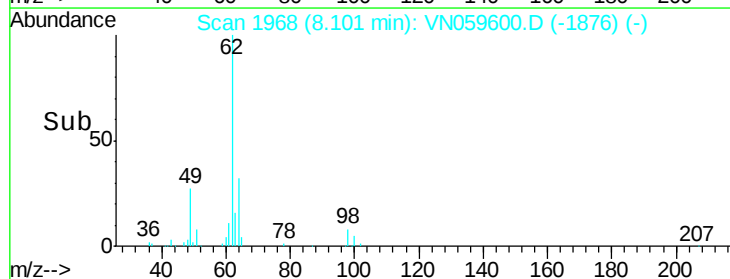
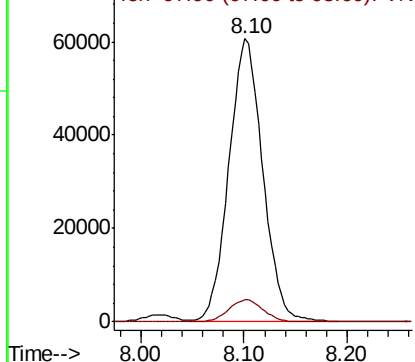


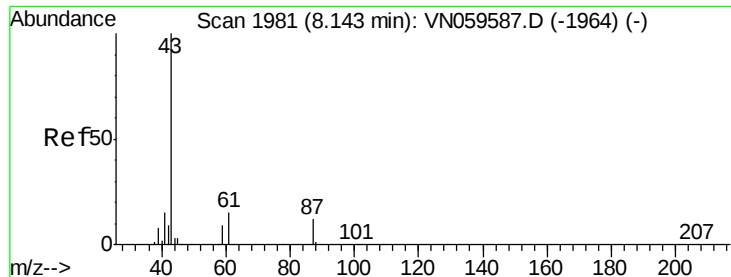
#42
1,2-Dichloroethane
Concen: 29.698 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion:	62	Resp:	138134
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8



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

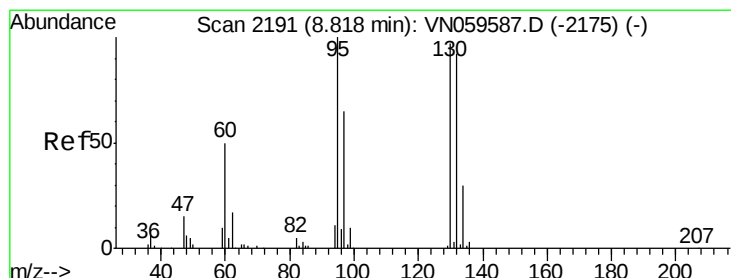
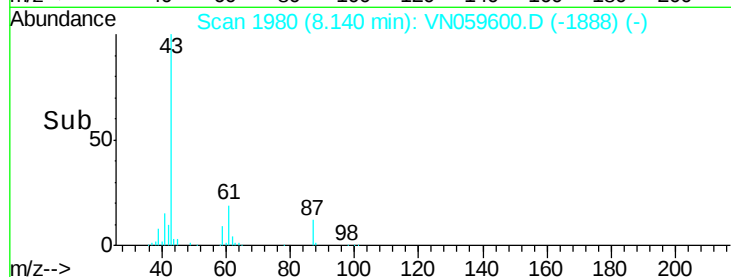
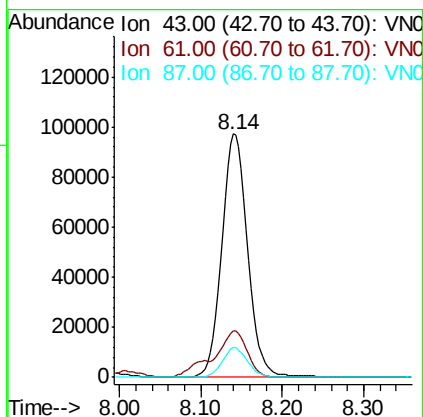
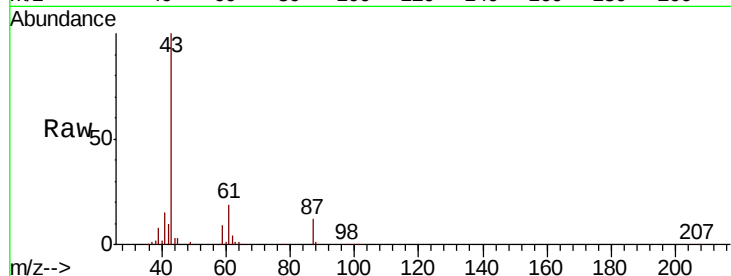




#43
Isopropyl Acetate
Concen: 28.722 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

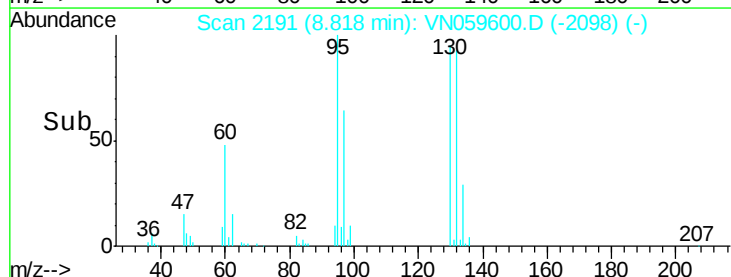
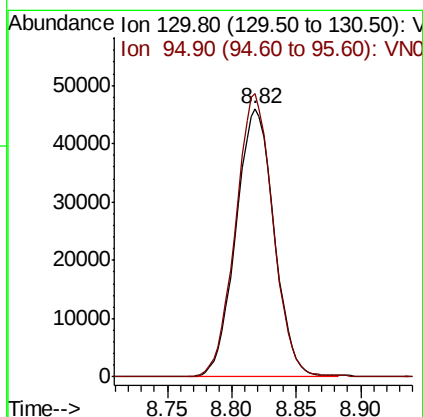
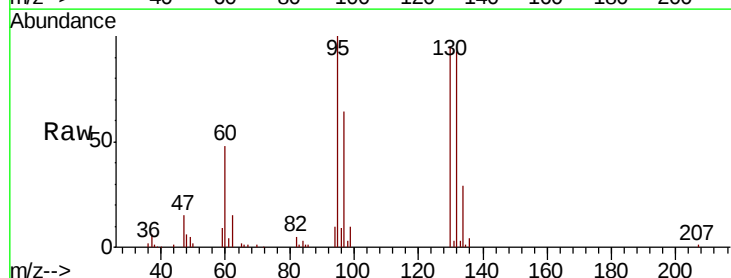
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

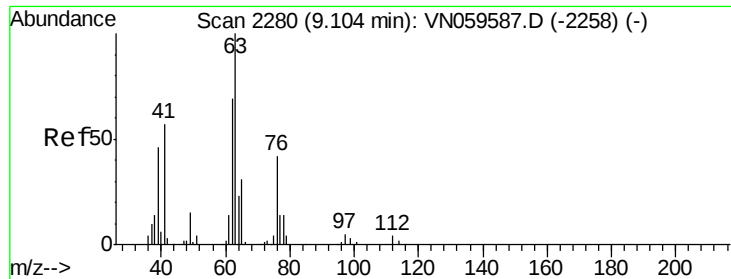
Tgt Ion: 43 Resp: 215705
Ion Ratio Lower Upper
43 100
61 24.8 20.2 30.2
87 12.1 9.5 14.3



#44
Trichloroethene
Concen: 29.811 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 130 Resp: 94838
Ion Ratio Lower Upper
130 100
95 105.4 0.0 207.0





#45

1,2-Dichloropropane

Concen: 29.919 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

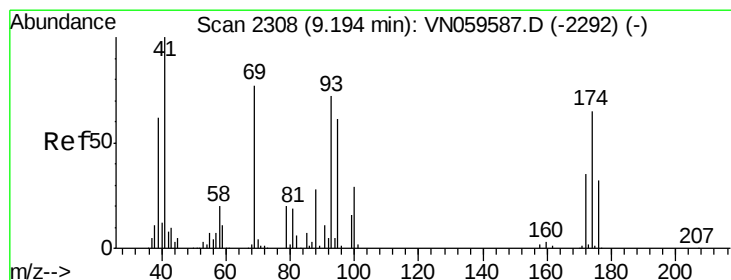
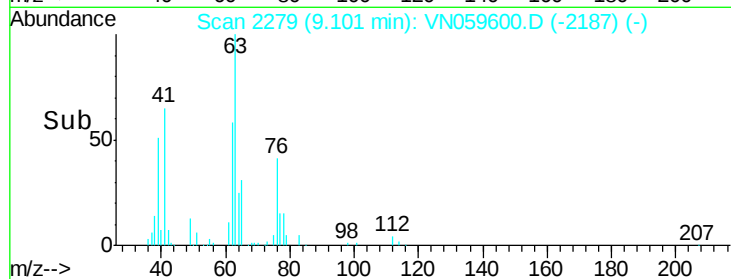
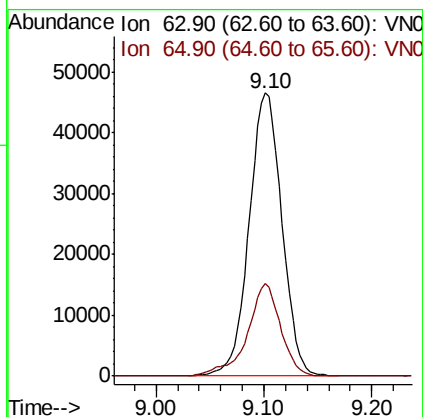
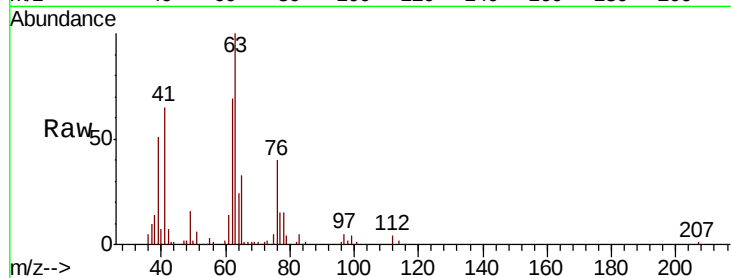
VN1216WBS02

Tgt Ion: 63 Resp: 98129

Ion Ratio Lower Upper

63 100

65 32.5 24.9 37.3



#46

Dibromomethane

Concen: 28.672 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

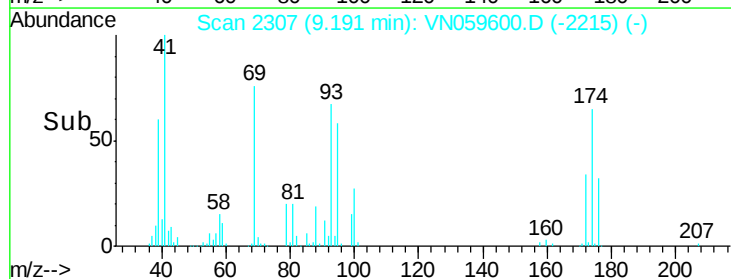
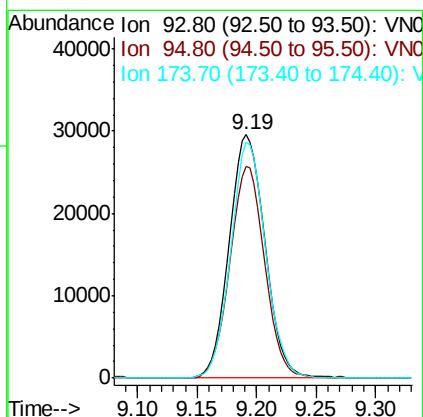
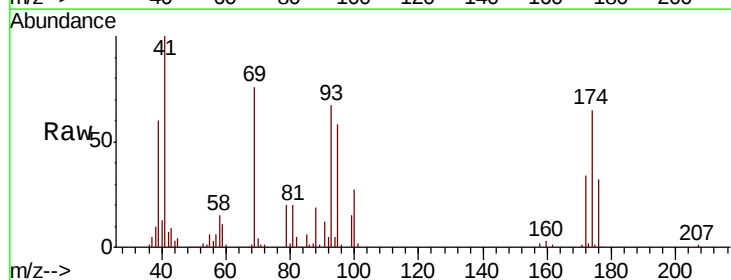
Tgt Ion: 93 Resp: 61609

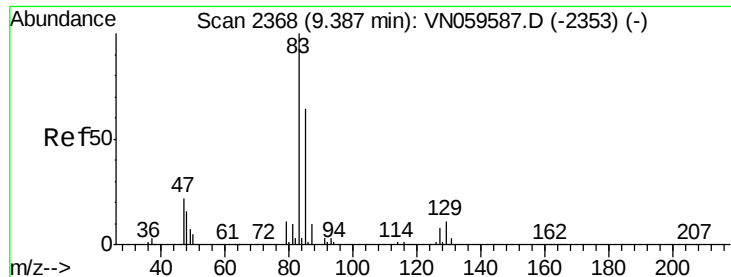
Ion Ratio Lower Upper

93 100

95 84.6 67.0 100.6

174 94.3 73.4 110.2





#47

Bromodichloromethane

Concen: 29.794 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

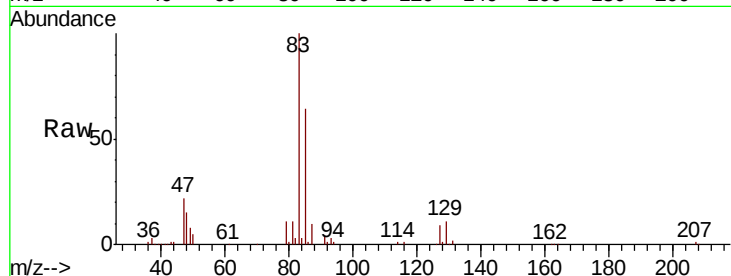
Tgt Ion: 83 Resp: 127640

Ion Ratio Lower Upper

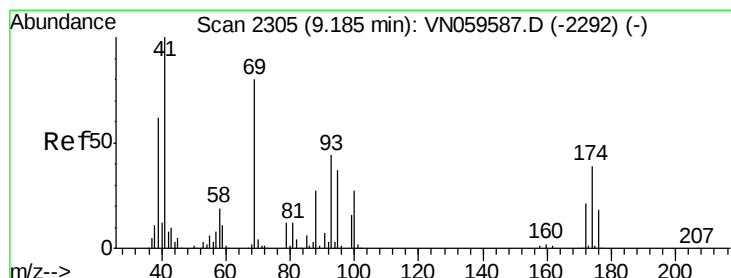
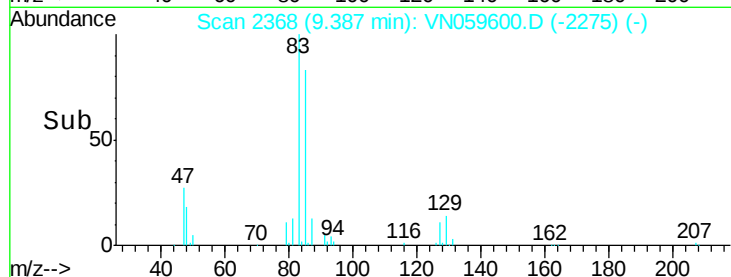
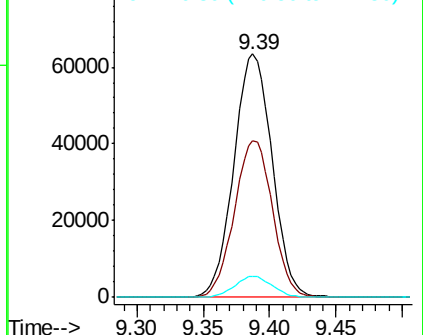
83 100

85 64.4 51.1 76.7

127 8.7 6.6 9.8



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



#48

Methyl methacrylate

Concen: 28.042 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

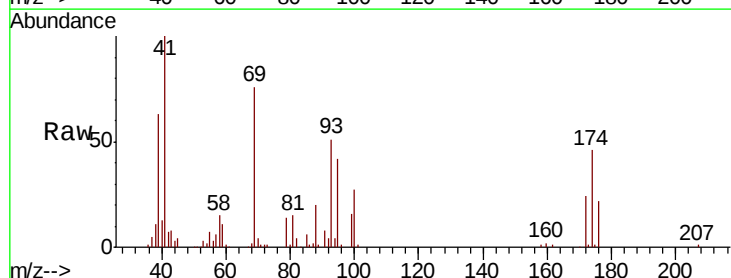
Tgt Ion: 41 Resp: 95546

Ion Ratio Lower Upper

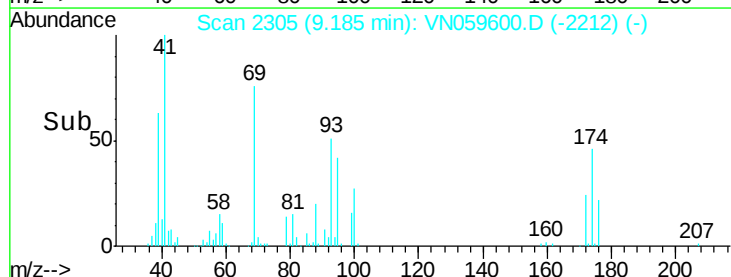
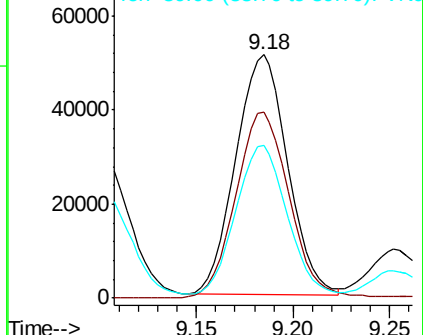
41 100

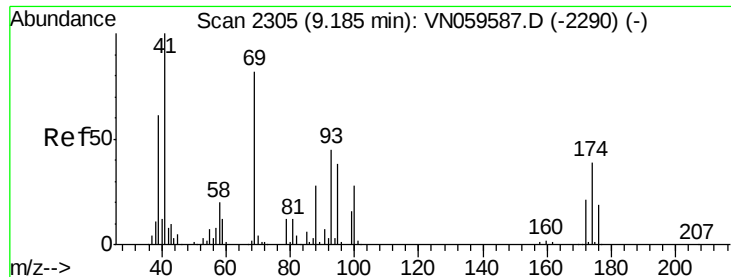
69 80.0 64.4 96.6

39 63.6 51.3 76.9



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





#49

1,4-Dioxane

Concen: 443.142 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

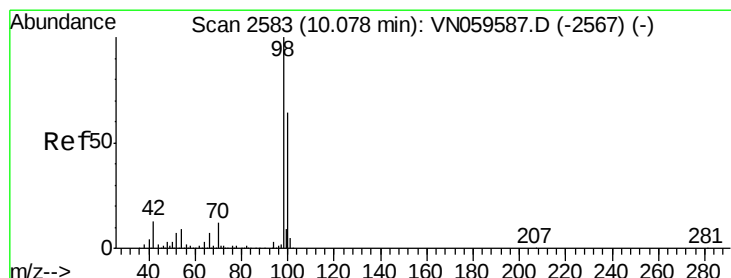
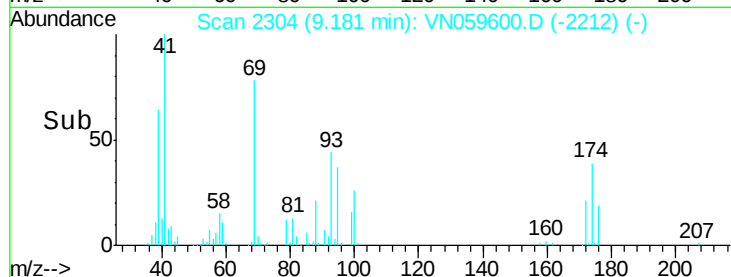
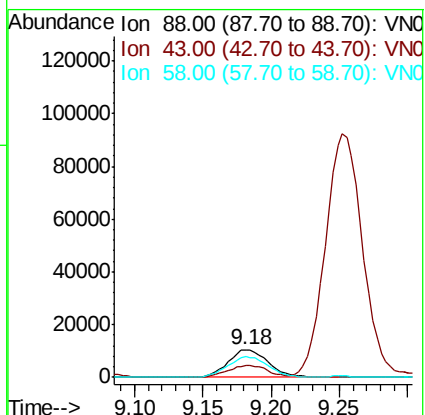
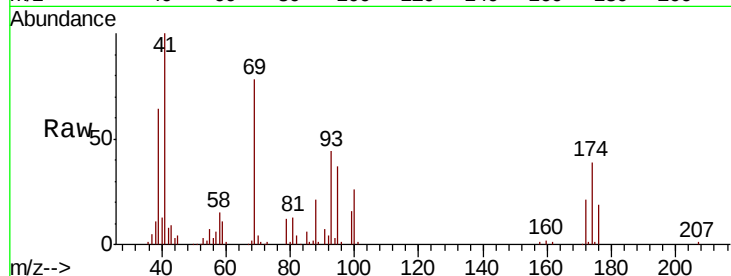
Tgt Ion: 88 Resp: 21638

Ion Ratio Lower Upper

88 100

43 42.8 29.7 44.5

58 75.1 56.6 85.0



#50

Toluene-d8

Concen: 46.577 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059600.D

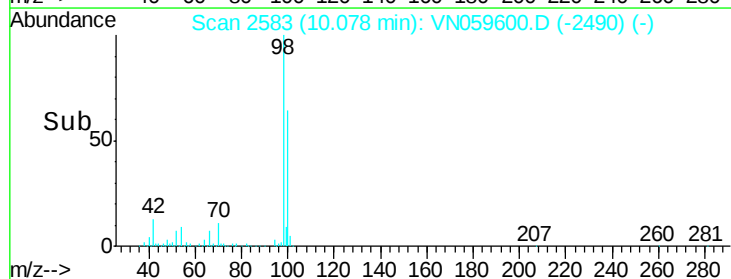
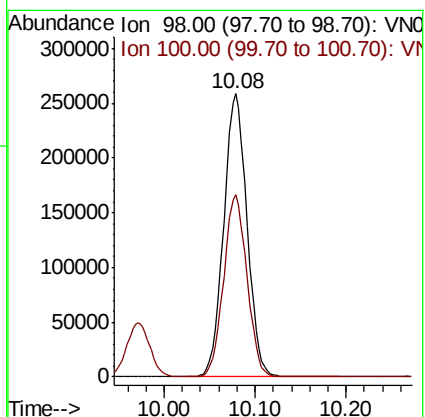
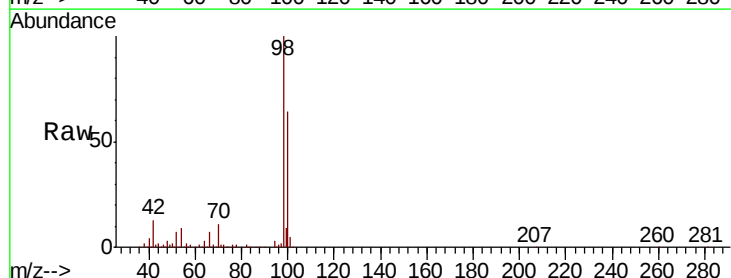
Acq: 16 Dec 2019 14:10

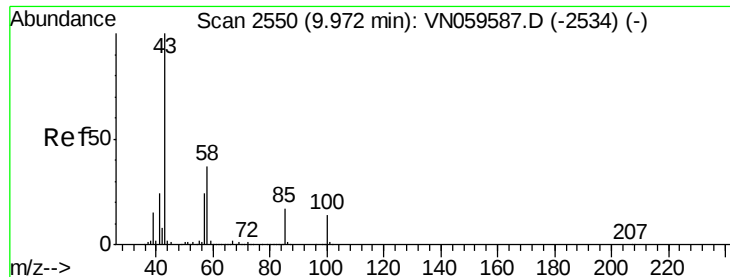
Tgt Ion: 98 Resp: 459818

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8

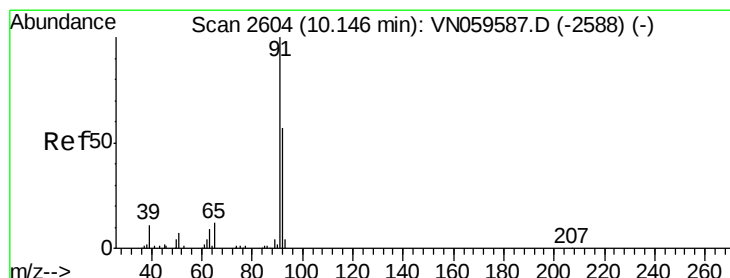
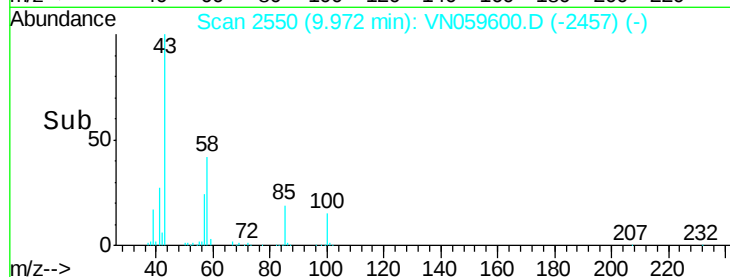
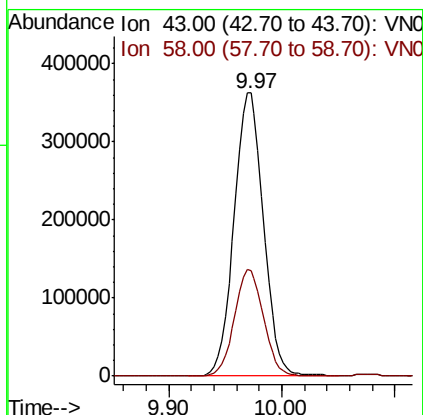
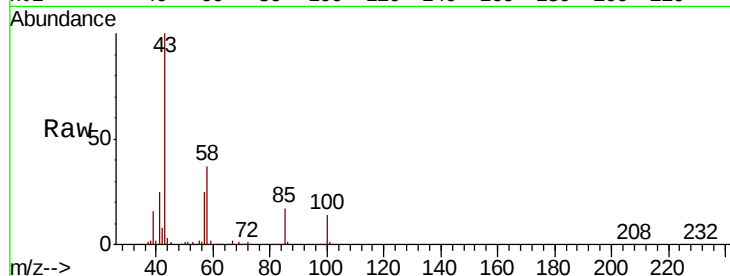




#51
 4-Methyl-2-Pentanone
 Concen: 146.797 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

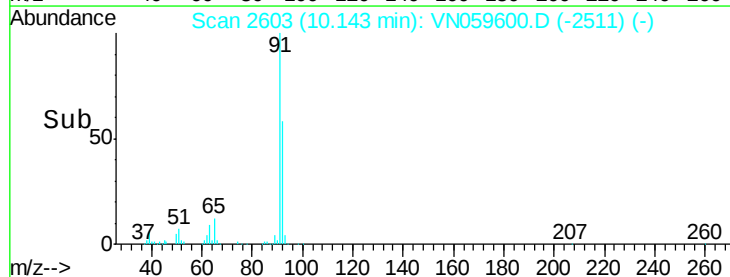
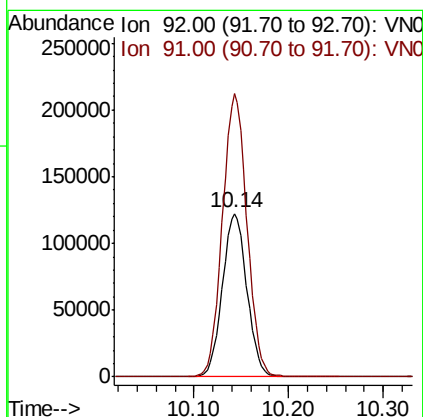
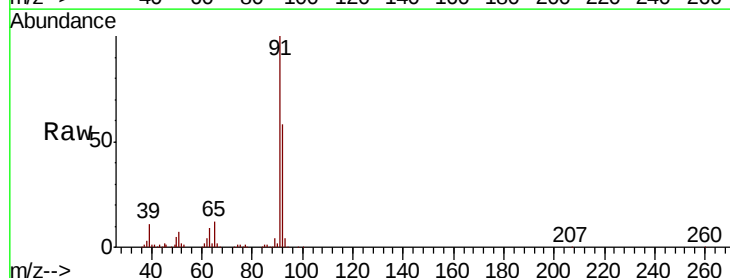
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

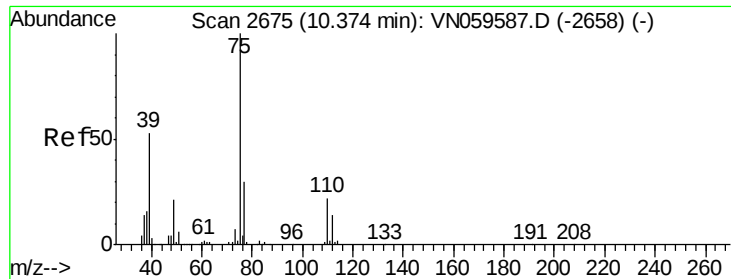
Tgt Ion: 43 Resp: 657306
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.8



#52
 Toluene
 Concen: 29.544 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 92 Resp: 220480
 Ion Ratio Lower Upper
 92 100
 91 173.5 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 29.737 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

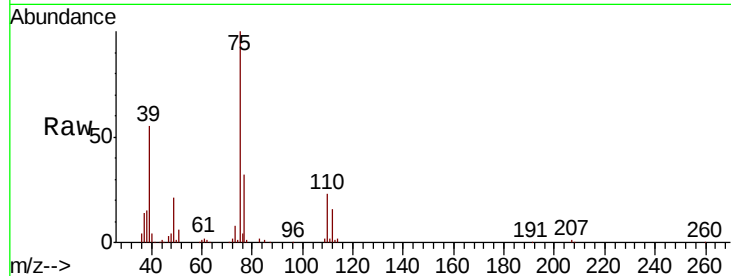
VN1216WBS02

Tgt Ion: 75 Resp: 147337

Ion Ratio Lower Upper

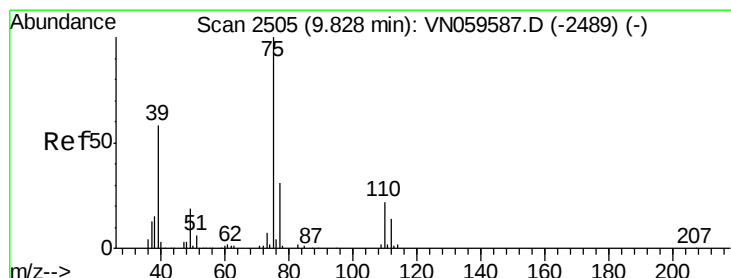
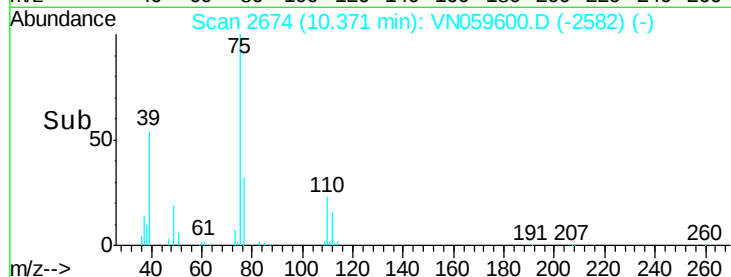
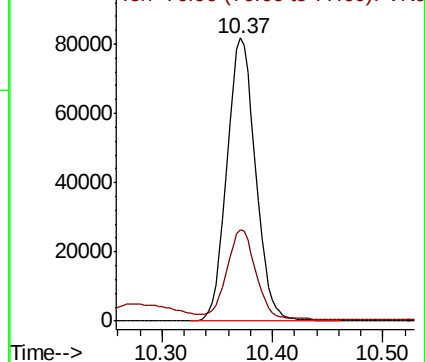
75 100

77 31.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 29.585 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

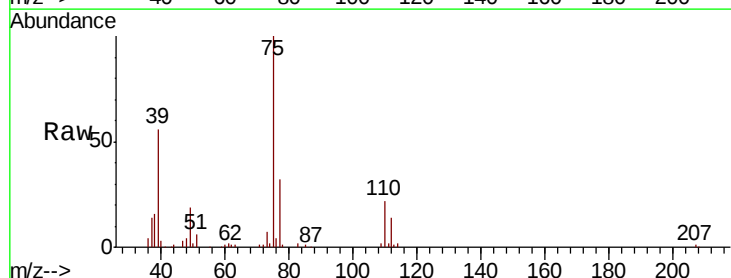
Tgt Ion: 75 Resp: 154081

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

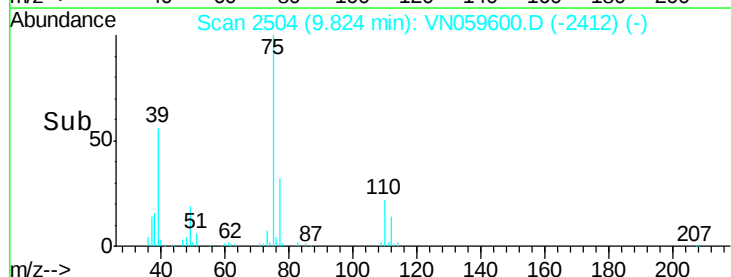
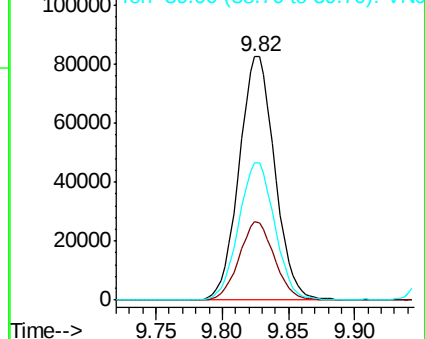
39 56.1 46.1 69.1

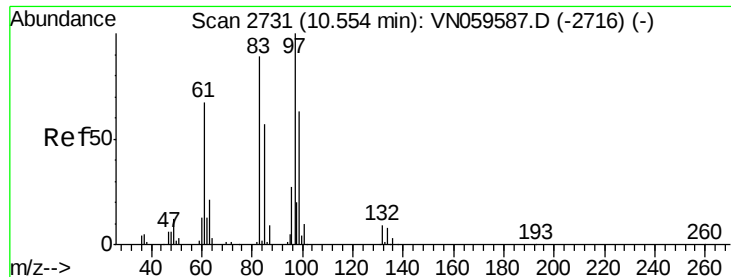


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

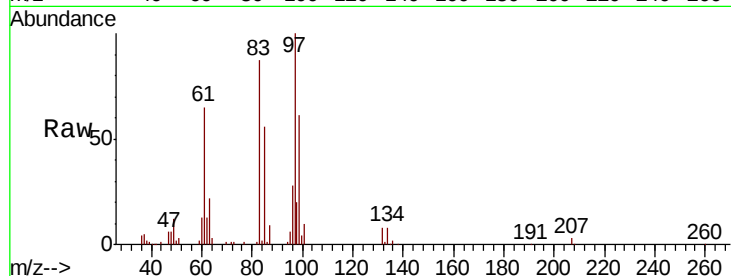




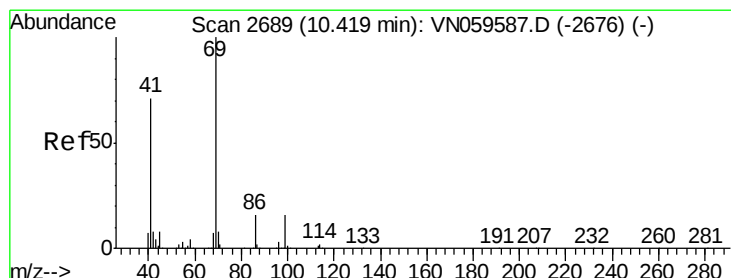
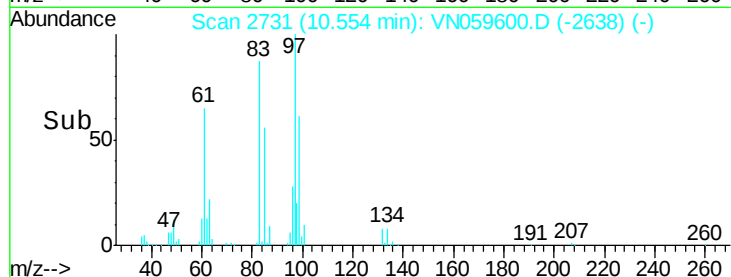
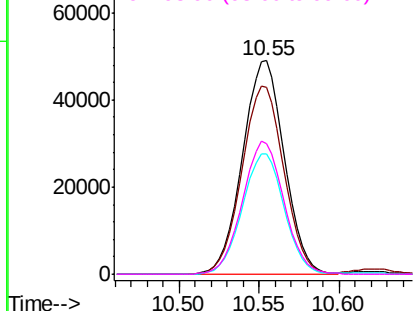
#55
 1,1,2-Trichloroethane
 Concen: 29.867 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tgt Ion: 97 Resp: 87463
 Ion Ratio Lower Upper
 97 100
 83 87.5 71.3 106.9
 85 56.2 45.8 68.8
 99 61.4 50.0 75.0

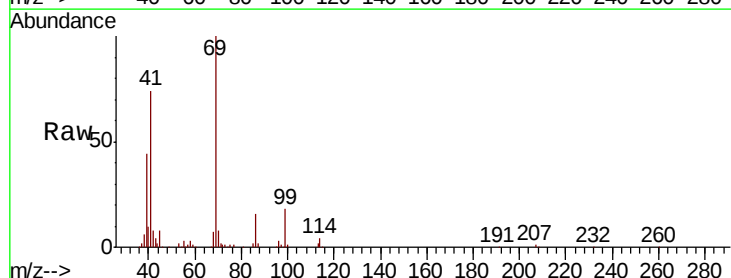


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

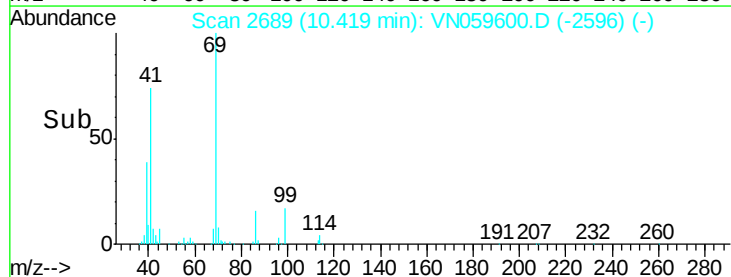
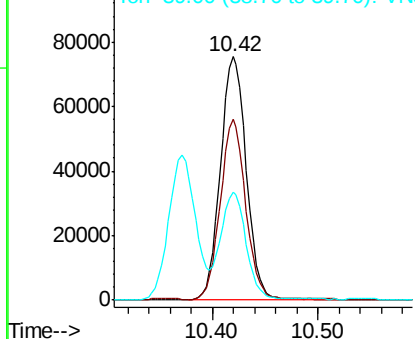


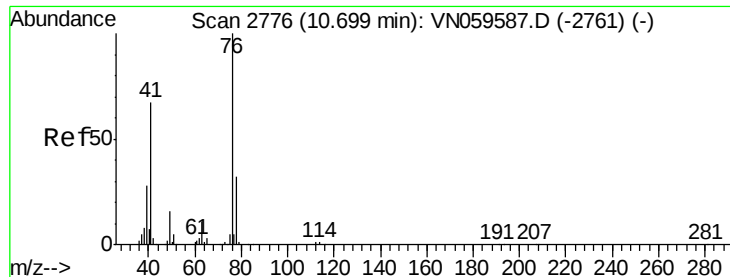
#56
 Ethyl methacrylate
 Concen: 29.440 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 69 Resp: 127986
 Ion Ratio Lower Upper
 69 100
 41 72.0 57.1 85.7
 39 43.2 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: 29.846 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

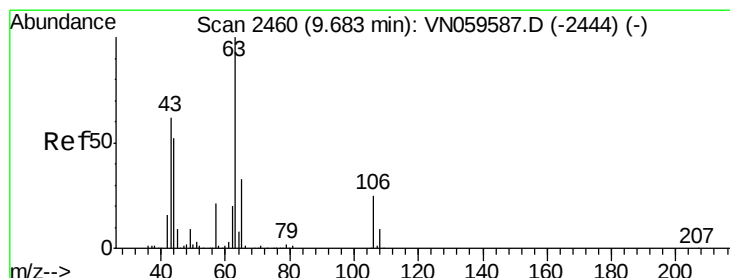
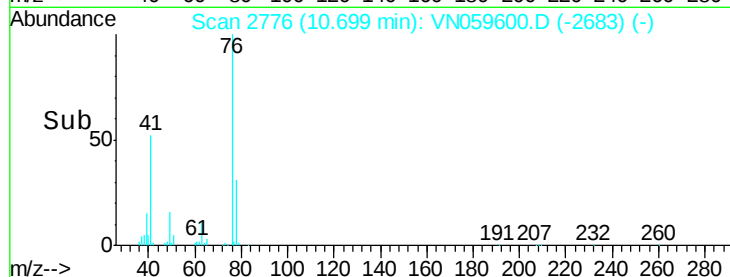
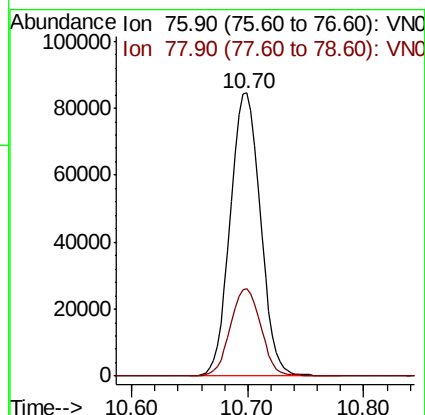
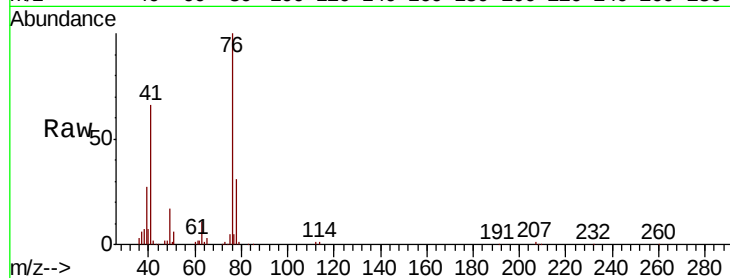
VN1216WBS02

Tgt Ion: 76 Resp: 152179

Ion Ratio Lower Upper

76 100

78 31.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 97.836 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059600.D

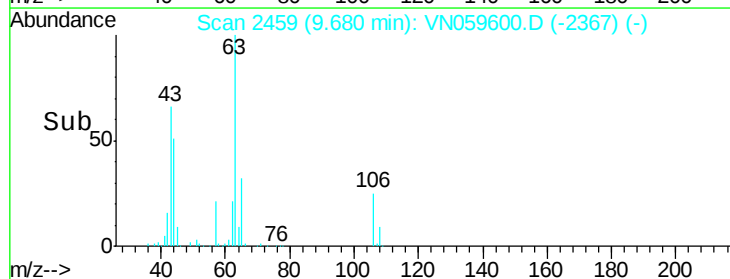
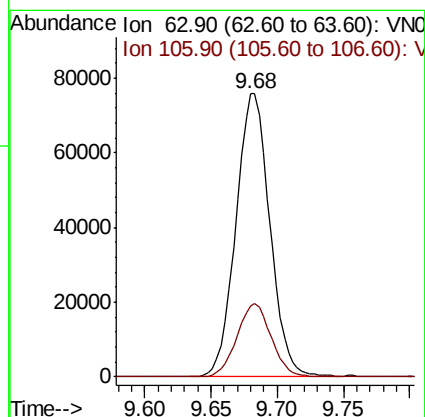
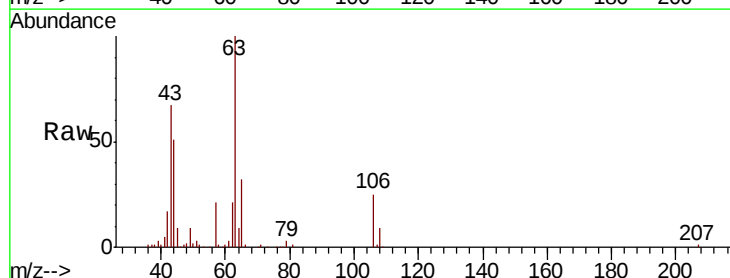
Acq: 16 Dec 2019 14:10

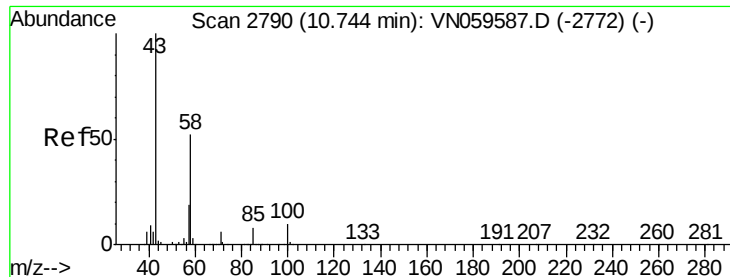
Tgt Ion: 63 Resp: 135270

Ion Ratio Lower Upper

63 100

106 26.0 20.2 30.2

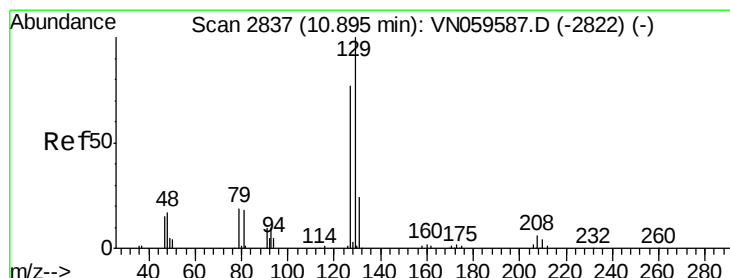
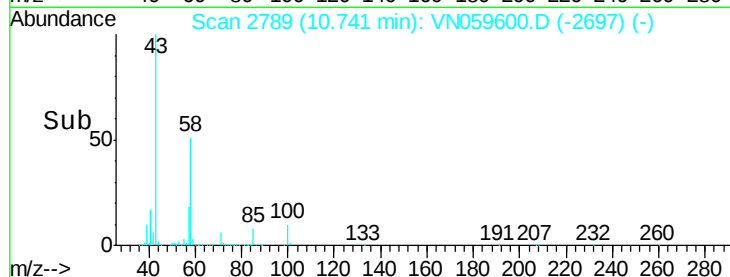
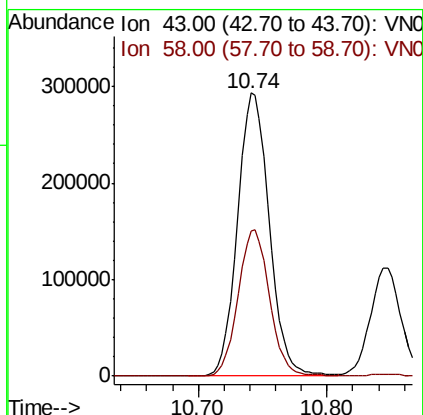
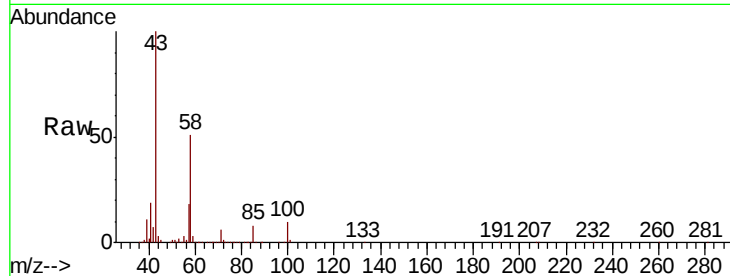




#59
2-Hexanone
Concen: 142.363 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

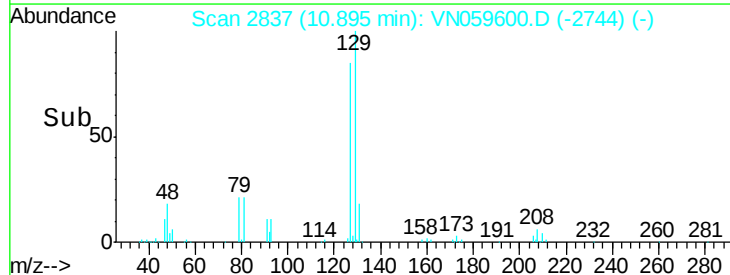
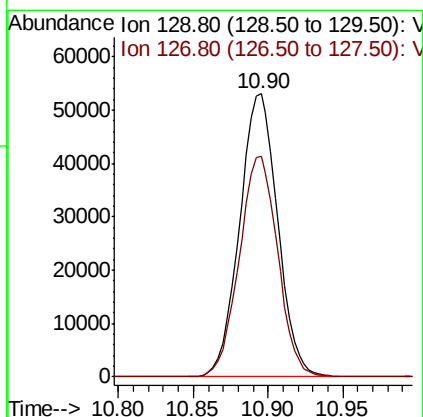
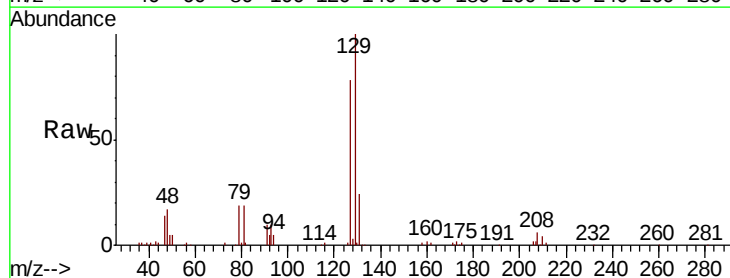
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

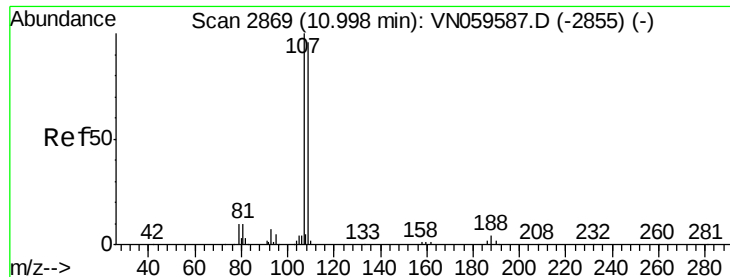
Tgt Ion: 43 Resp: 502399
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3



#60
Dibromochloromethane
Concen: 29.478 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 129 Resp: 94215
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 29.000 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

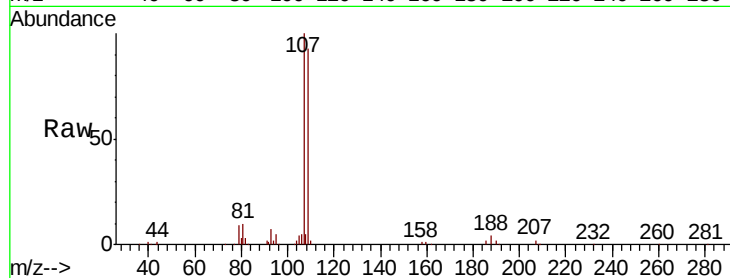
VN1216WBS02

Tgt Ion: 107 Resp: 90066

Ion Ratio Lower Upper

107 100

109 94.0 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

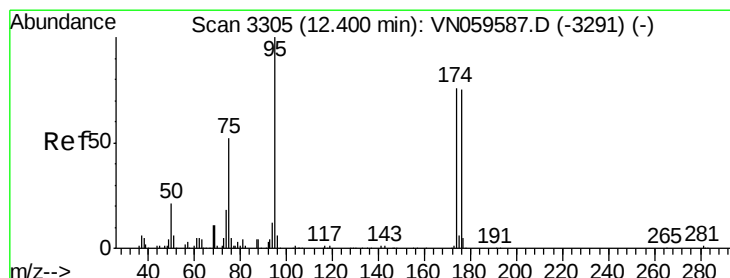
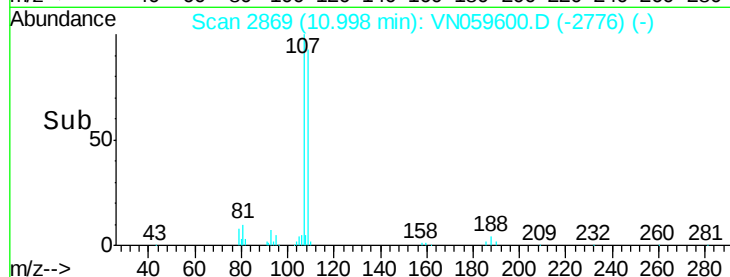
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 45.348 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

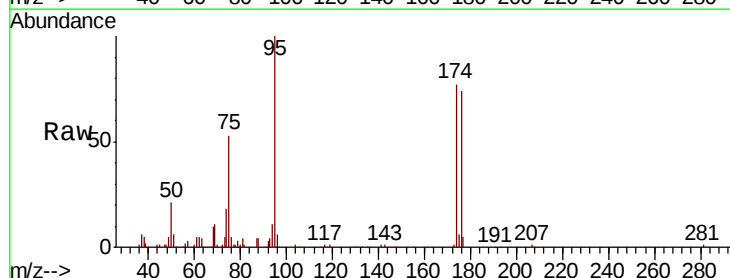
Tgt Ion: 95 Resp: 163356

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.4

176 73.2 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

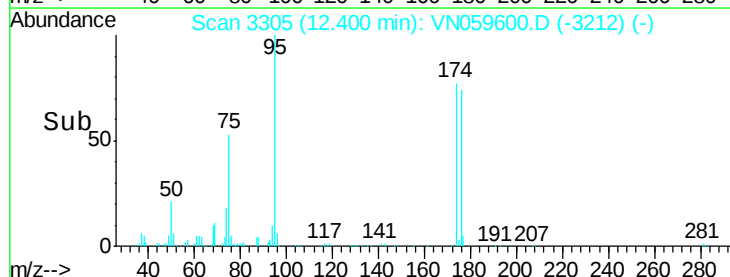
12.40

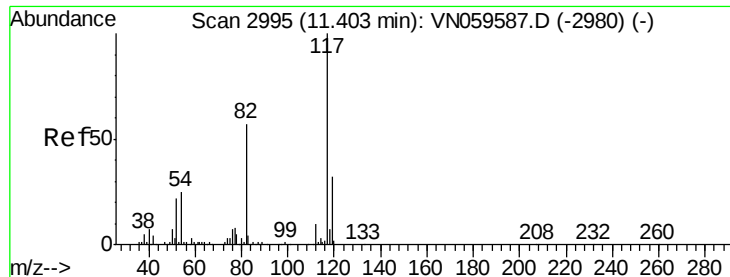
100000

50000

0

Time--> 12.35 12.40 12.45

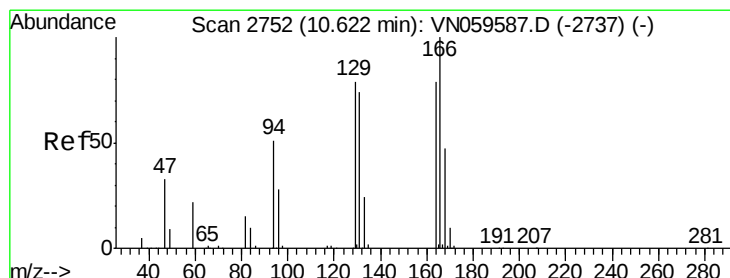
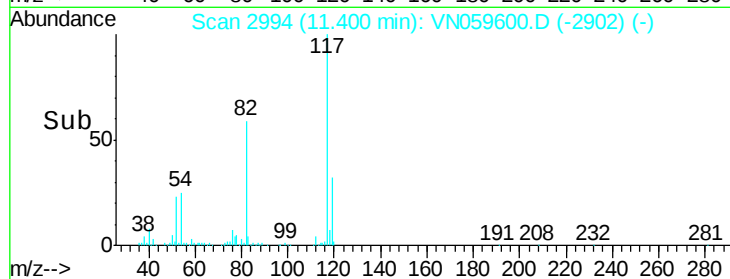
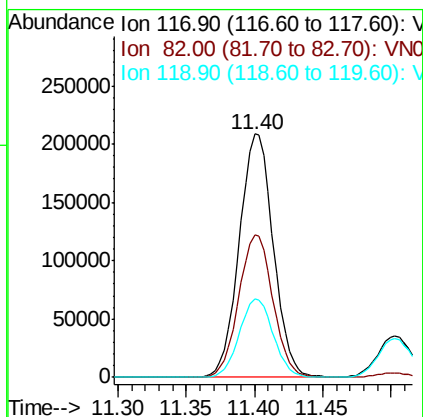
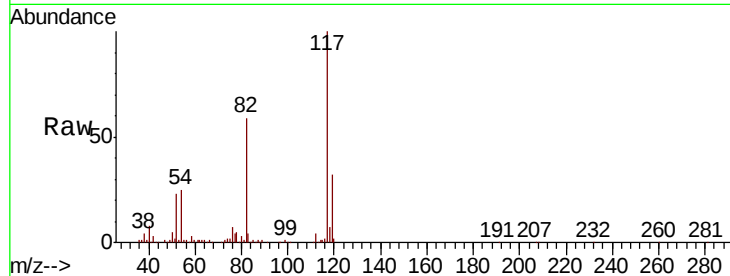




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

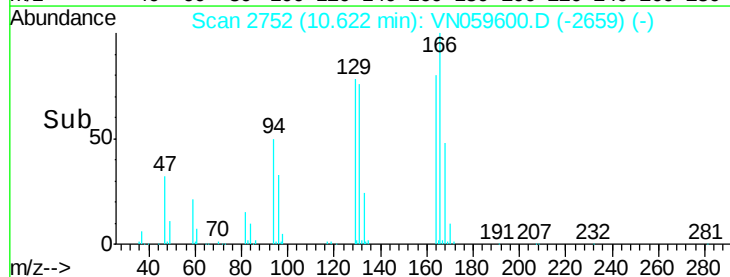
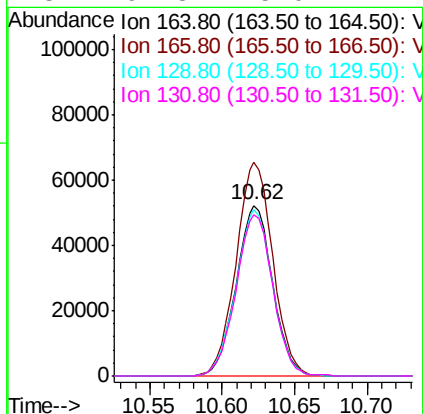
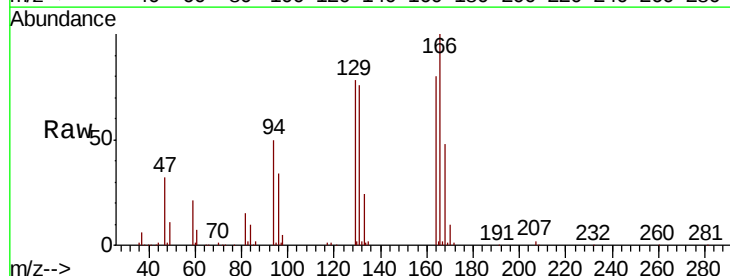
Instrument :
MSVOA_N
ClientSampled :
VN1216WBS02

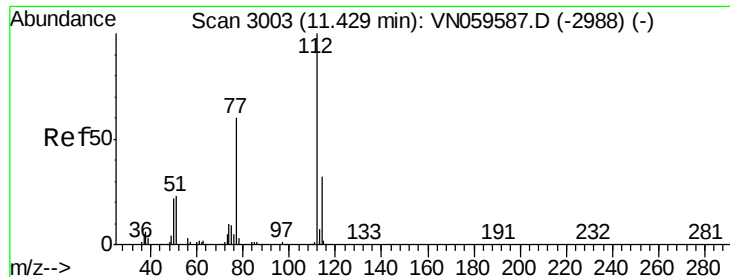
Tgt Ion:117 Resp: 362738
Ion Ratio Lower Upper
117 100
82 58.6 45.9 68.9
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 26.954 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion:164 Resp: 91145
Ion Ratio Lower Upper
164 100
166 125.4 101.4 152.0
129 97.5 80.2 120.4
131 94.8 75.0 112.4

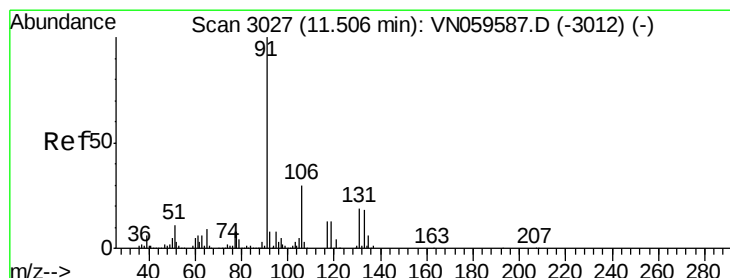
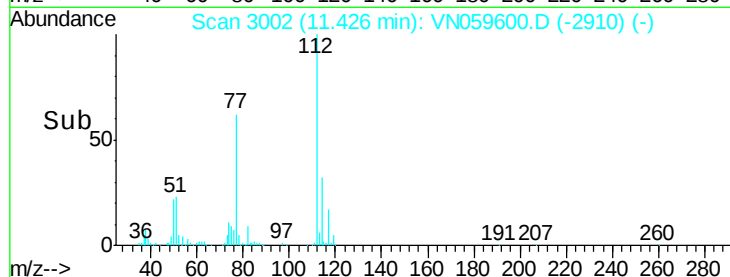
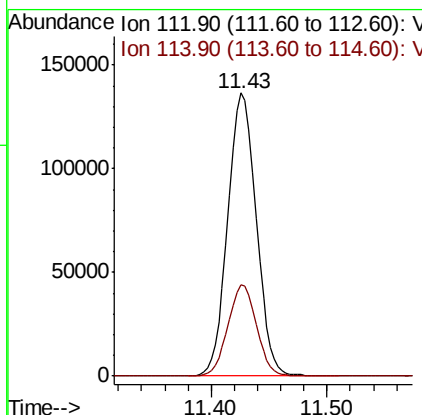
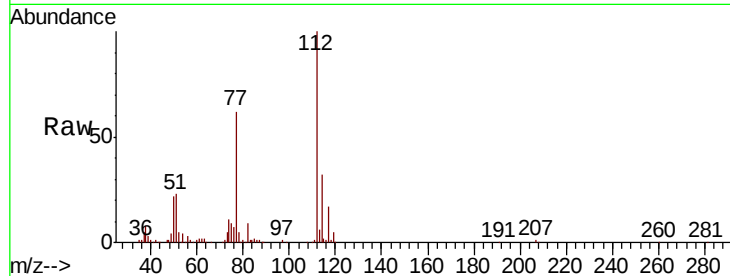




#65
Chlorobenzene
Concen: 29.609 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

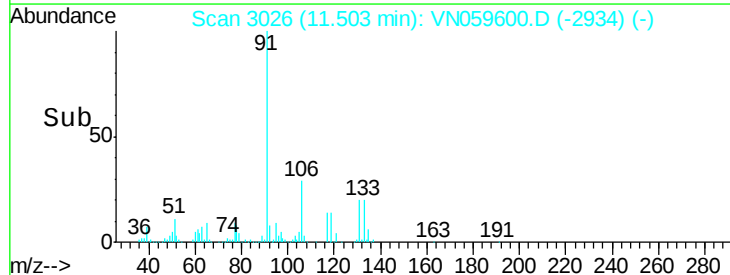
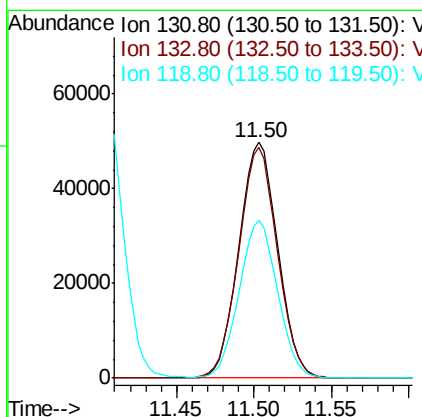
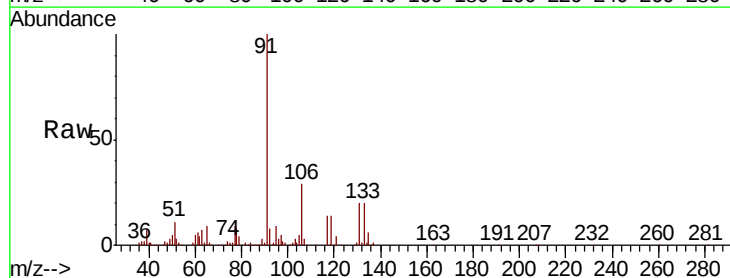
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

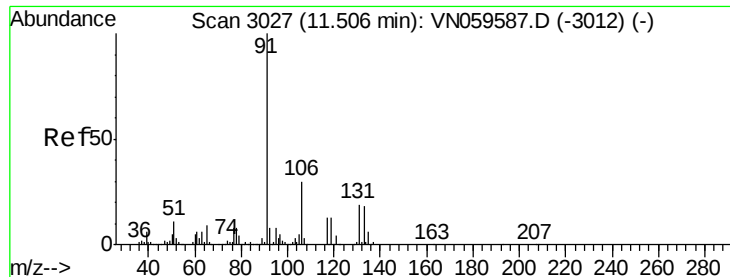
Tgt Ion:112 Resp: 232396
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 29.241 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion:131 Resp: 87175
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.2
119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 29.921 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

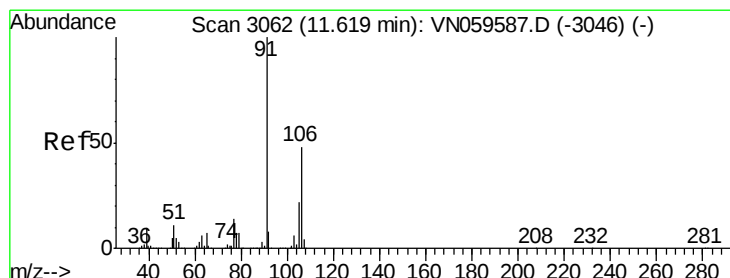
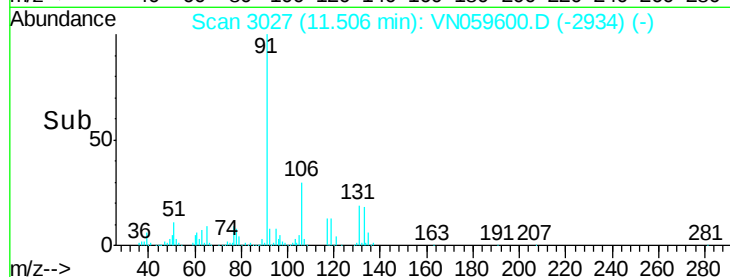
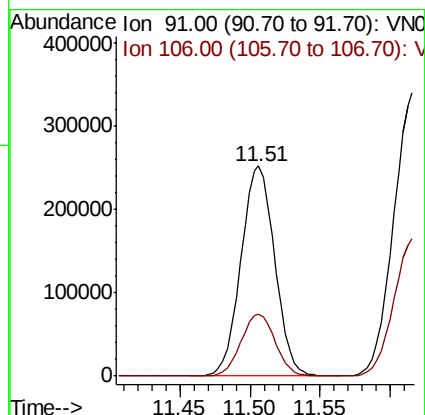
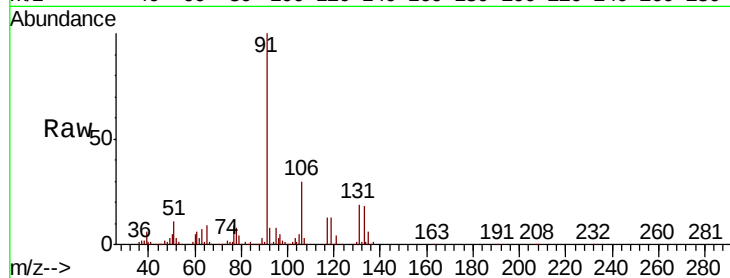
VN1216WBS02

Tgt Ion: 91 Resp: 423907

Ion Ratio Lower Upper

91 100

106 29.7 24.1 36.1



#68

m/p-Xylenes

Concen: 60.431 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059600.D

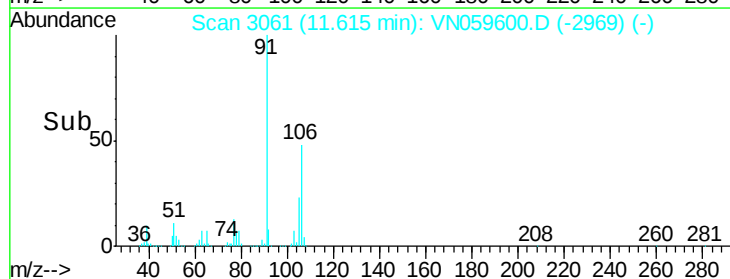
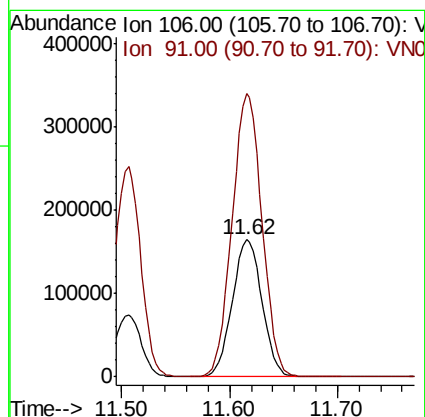
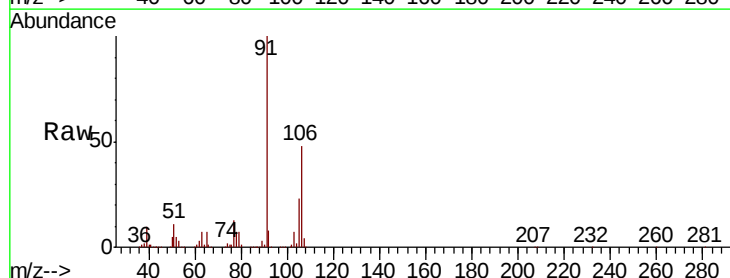
Acq: 16 Dec 2019 14:10

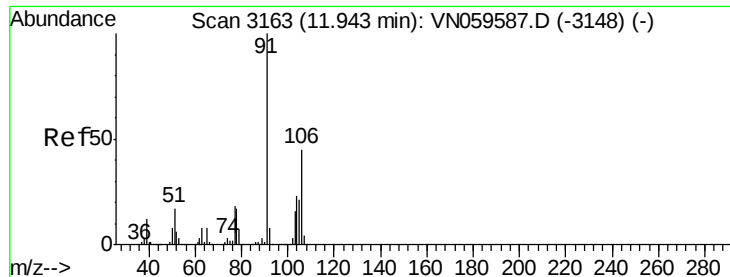
Tgt Ion: 106 Resp: 316150

Ion Ratio Lower Upper

106 100

91 207.4 167.9 251.9

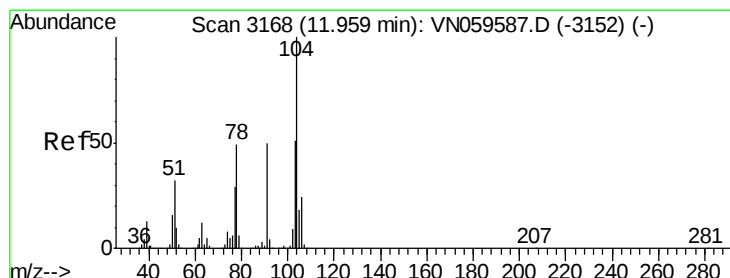
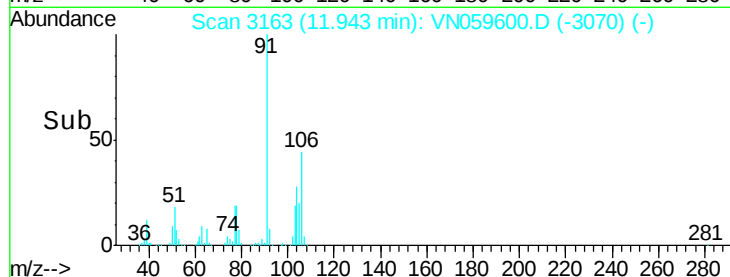
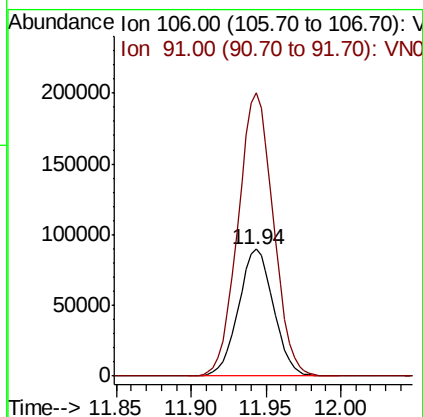
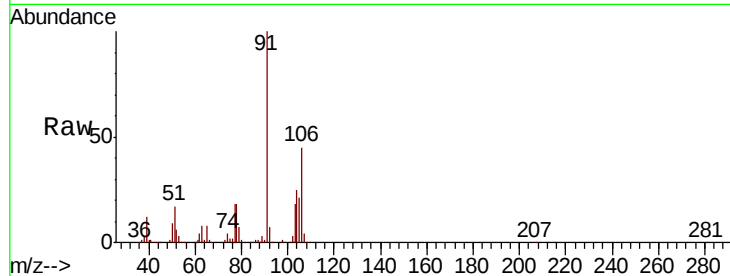




#69
o-Xylene
Concen: 29.417 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

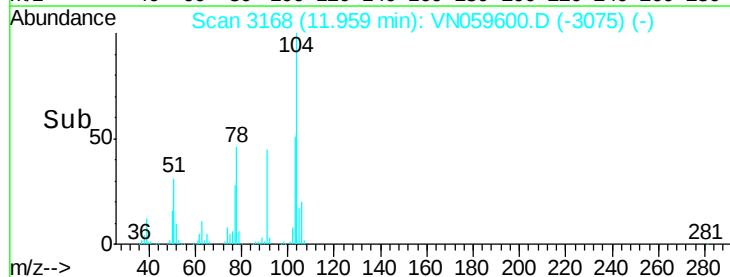
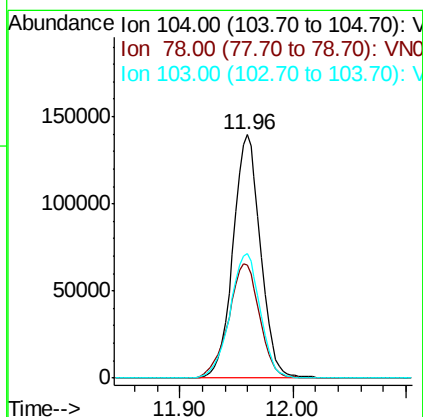
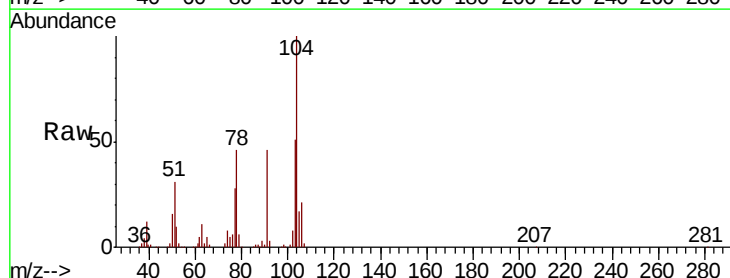
Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

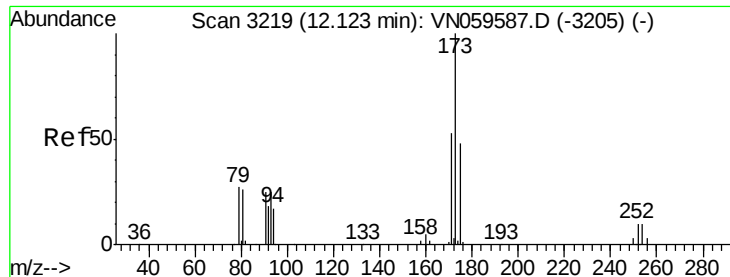
Tgt Ion:106 Resp: 146435
Ion Ratio Lower Upper
106 100
91 224.8 110.3 330.9



#70
Styrene
Concen: 29.576 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion:104 Resp: 236545
Ion Ratio Lower Upper
104 100
78 53.2 42.4 63.6
103 56.5 43.9 65.9

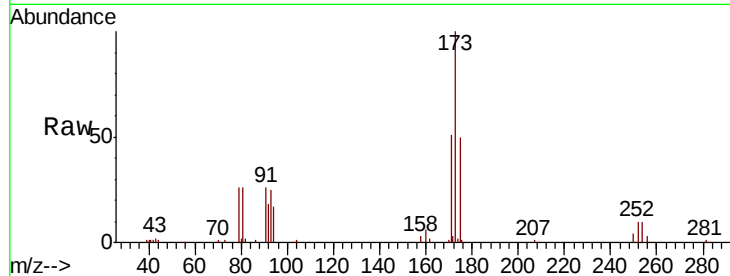




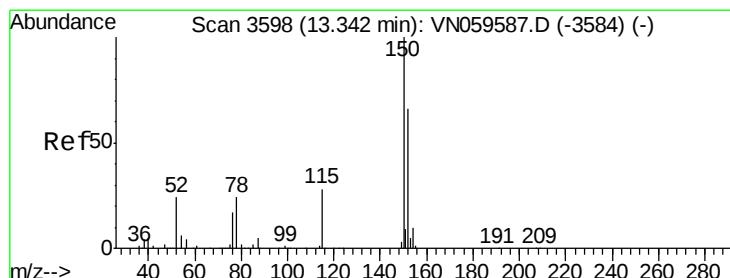
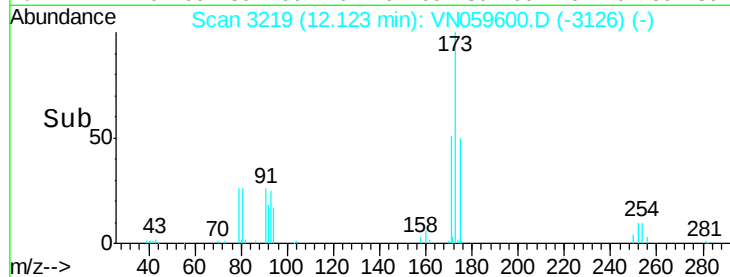
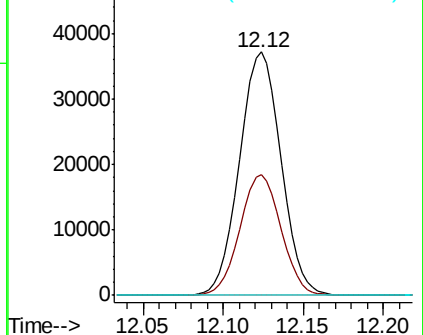
#71
Bromoform
Concen: 29.392 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tgt Ion:173 Resp: 65866
Ion Ratio Lower Upper
173 100
175 49.1 23.8 71.4
254 0.0 0.0 0.0

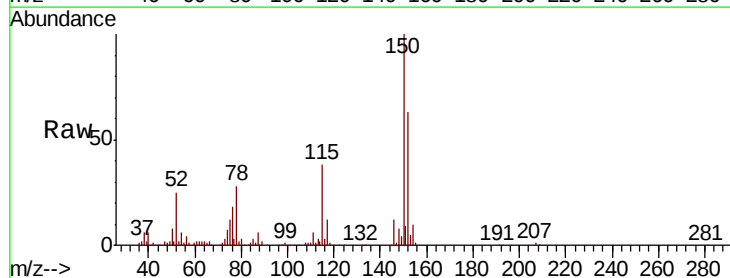


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

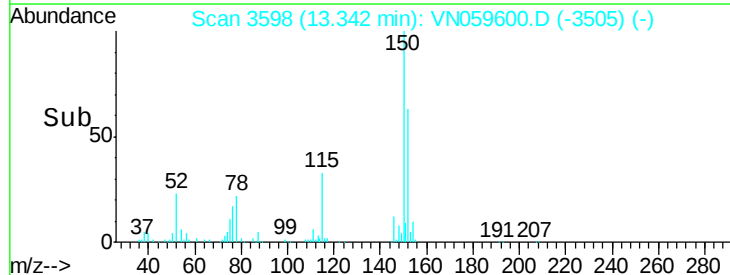
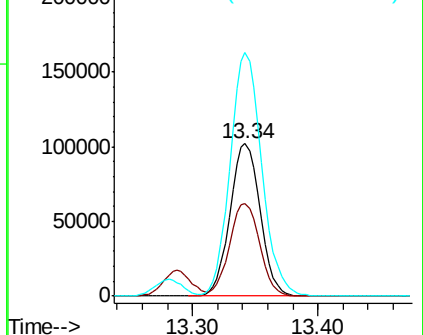


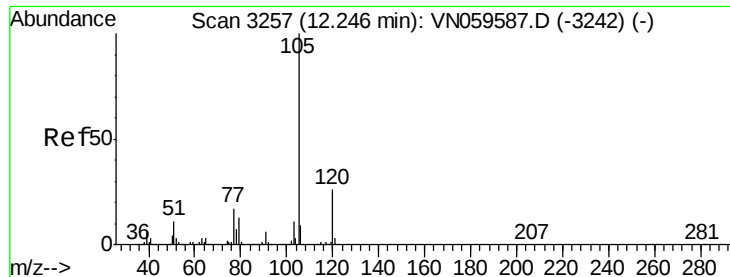
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion:152 Resp: 170382
Ion Ratio Lower Upper
152 100
115 61.3 30.3 90.9
150 167.8 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: 30.513 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

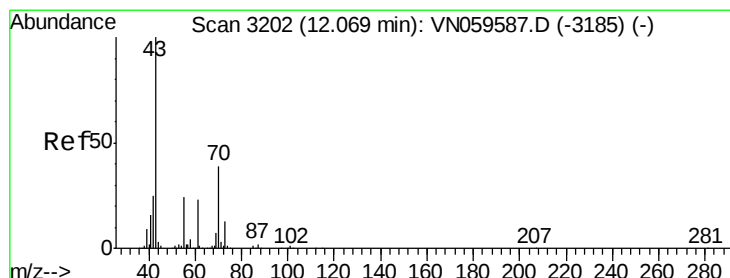
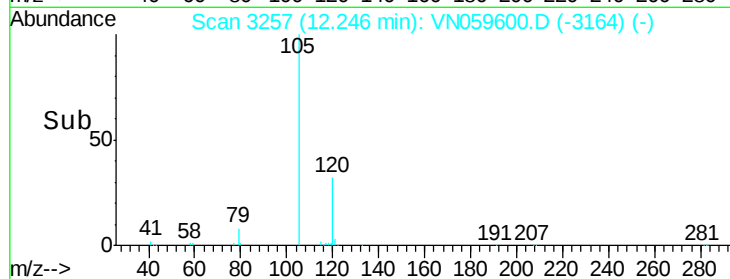
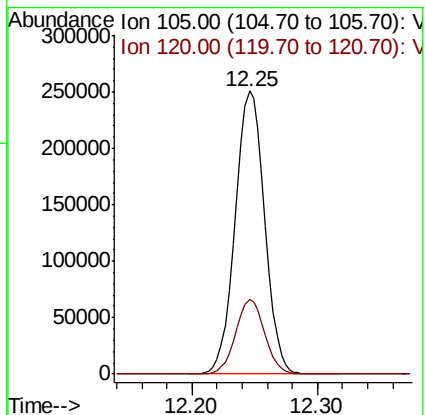
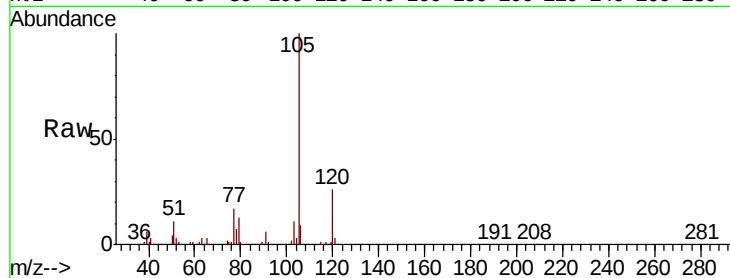
VN1216WBS02

Tgt Ion:105 Resp: 408108

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 28.839 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion: 43 Resp: 176933

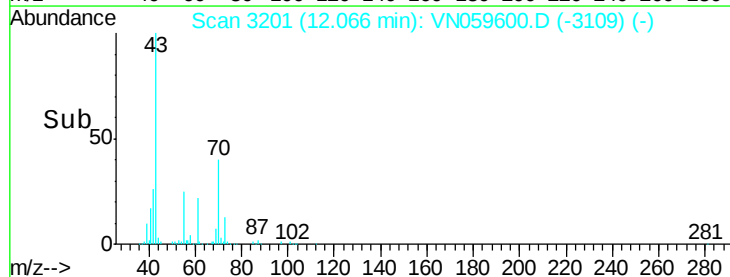
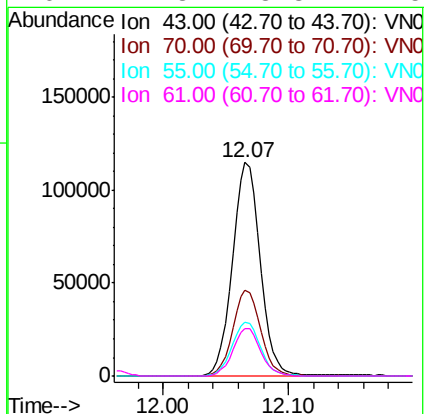
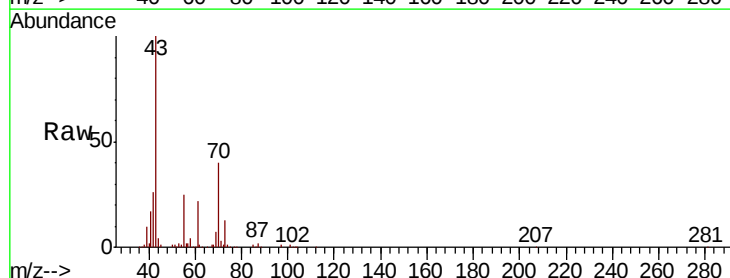
Ion Ratio Lower Upper

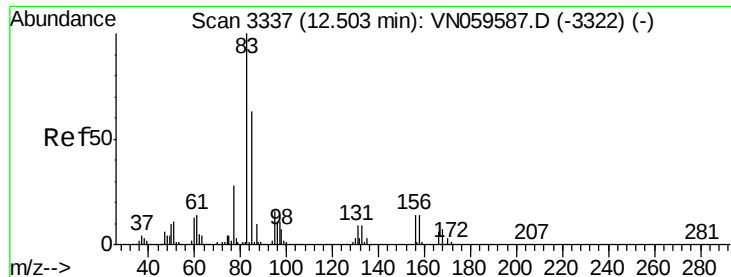
43 100

70 40.4 31.3 46.9

55 25.8 19.8 29.6

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 28.701 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

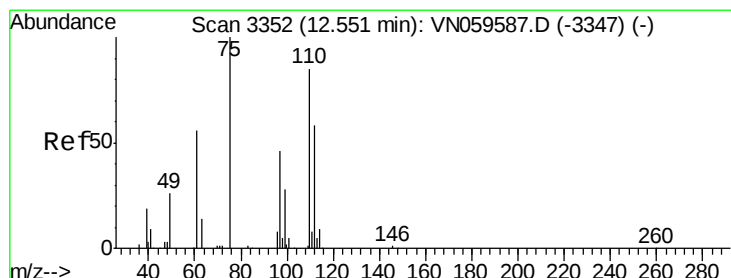
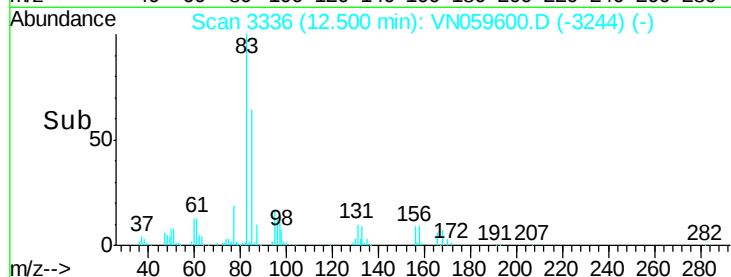
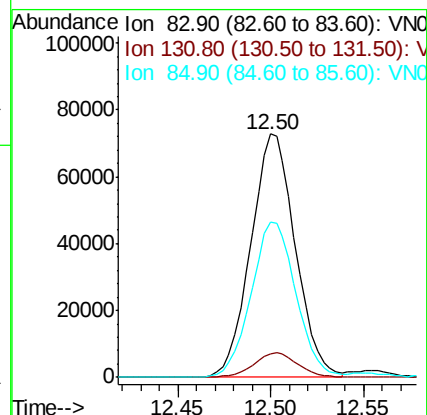
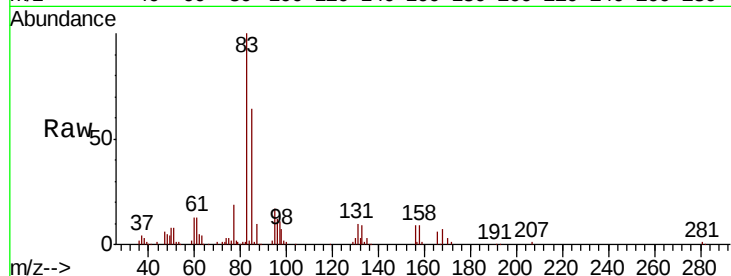
Tgt Ion: 83 Resp: 121772

Ion Ratio Lower Upper

83 100

131 10.2 5.0 14.9

85 64.5 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 42.505 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059600.D

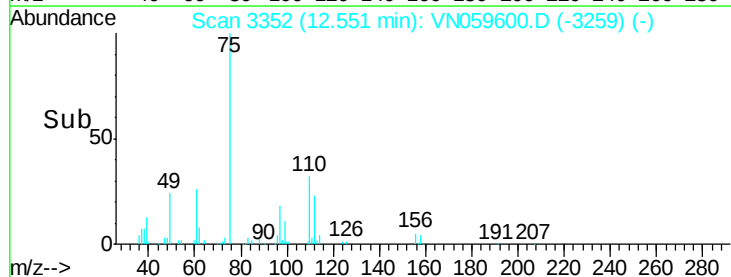
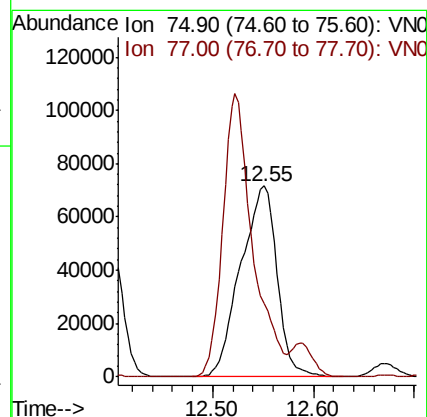
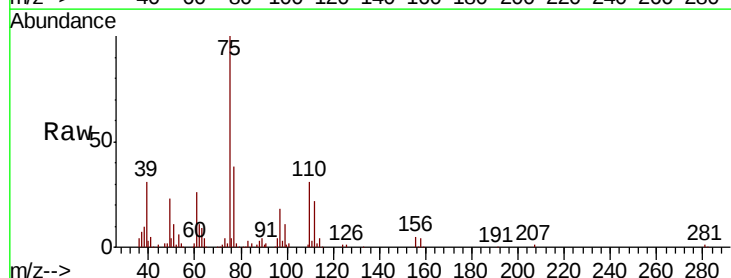
Acq: 16 Dec 2019 14:10

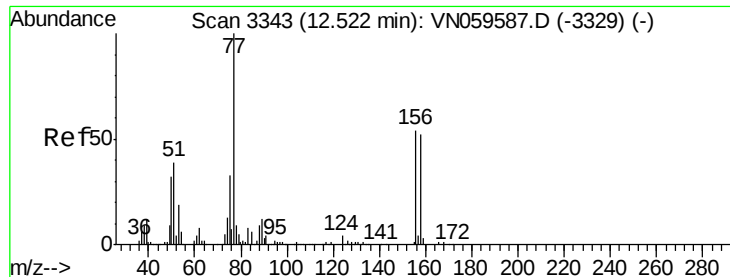
Tgt Ion: 75 Resp: 179281

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 29.015 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN1216WBS02

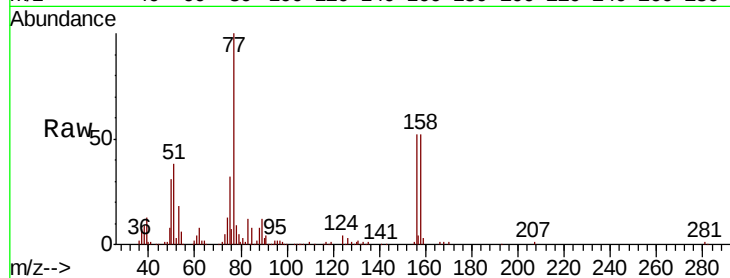
Tgt Ion:156 Resp: 95438

Ion Ratio Lower Upper

156 100

77 231.2 115.8 347.4

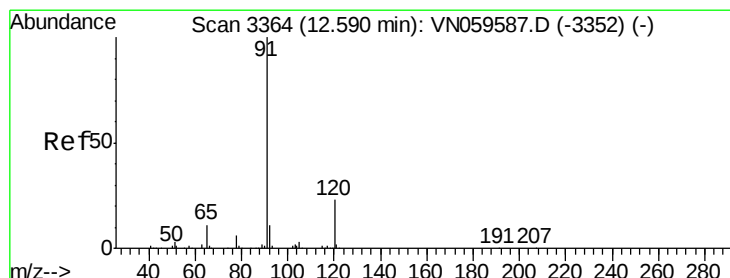
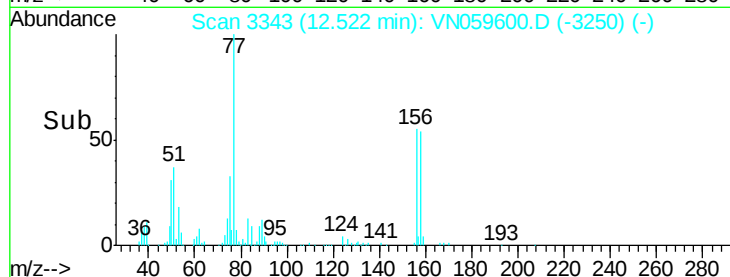
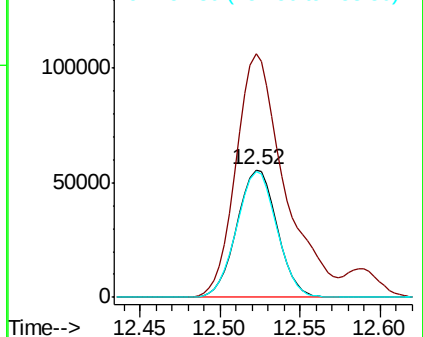
158 98.3 49.2 147.6



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: 30.136 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059600.D

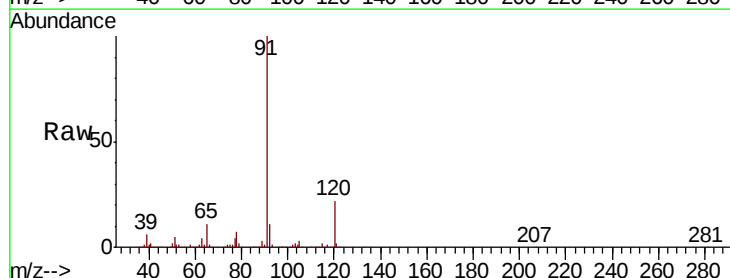
Acq: 16 Dec 2019 14:10

Tgt Ion: 91 Resp: 476471

Ion Ratio Lower Upper

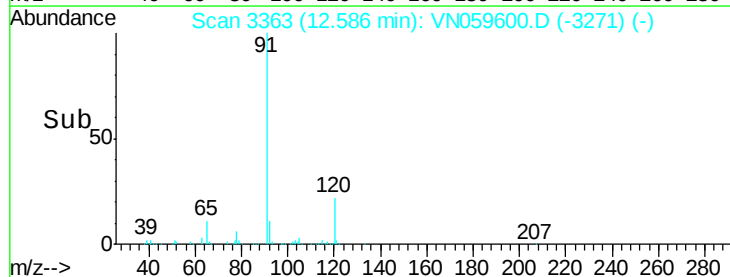
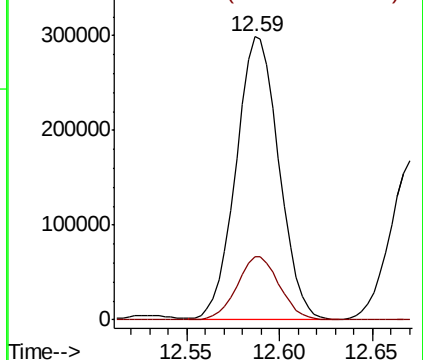
91 100

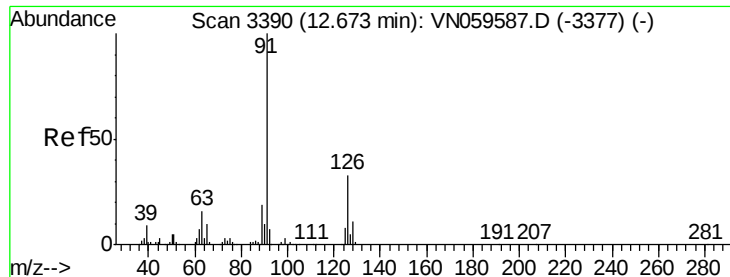
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 29.215 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

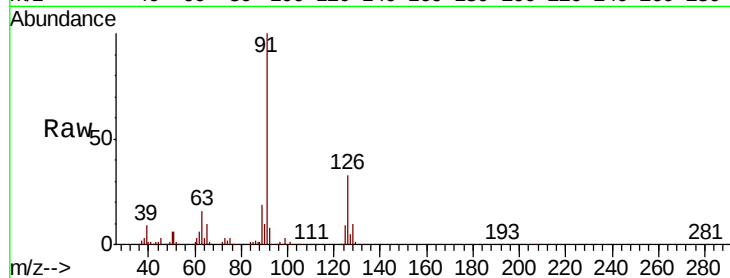
VN1216WBS02

Tgt Ion: 91 Resp: 279304

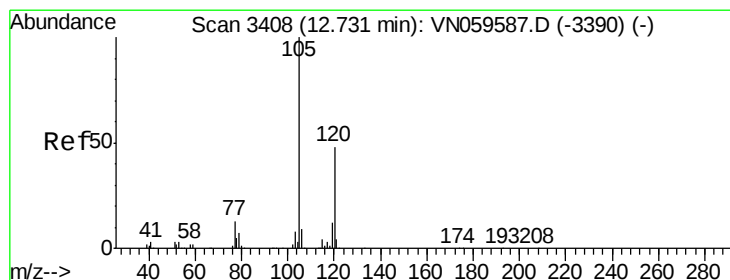
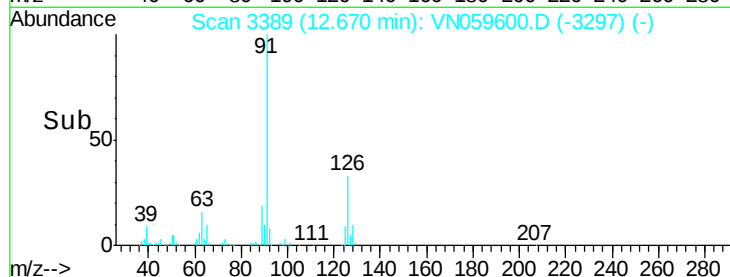
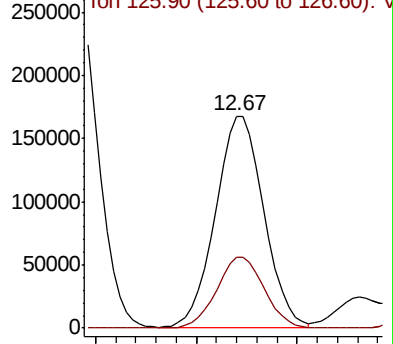
Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.9



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



#80

1,3,5-Trimethylbenzene

Concen: 30.393 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059600.D

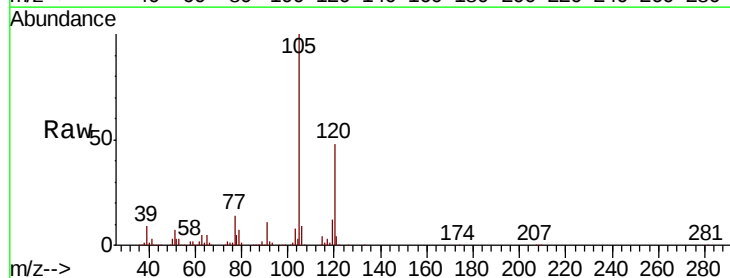
Acq: 16 Dec 2019 14:10

Tgt Ion: 105 Resp: 344009

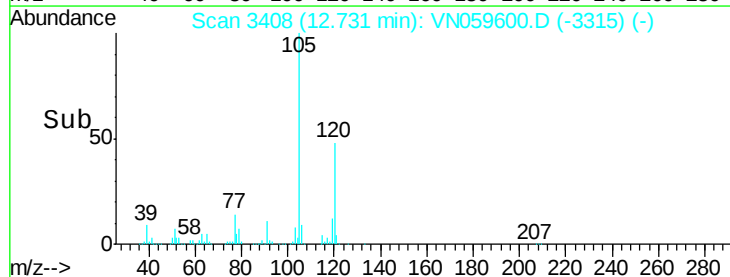
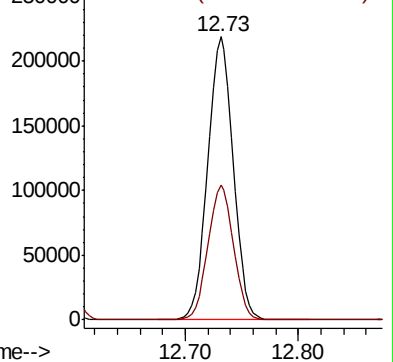
Ion Ratio Lower Upper

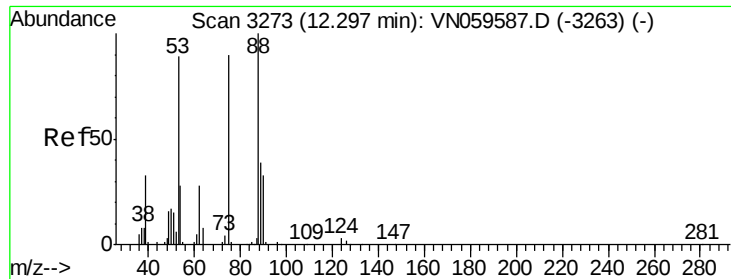
105 100

120 47.5 24.1 72.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 28.241 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

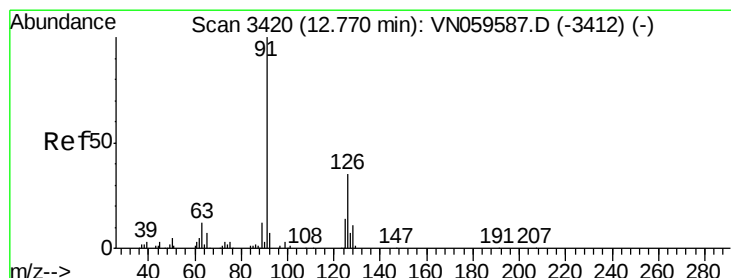
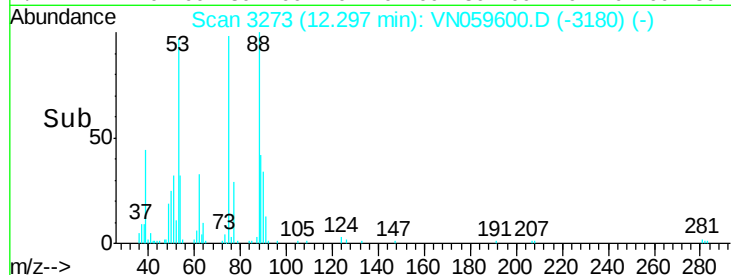
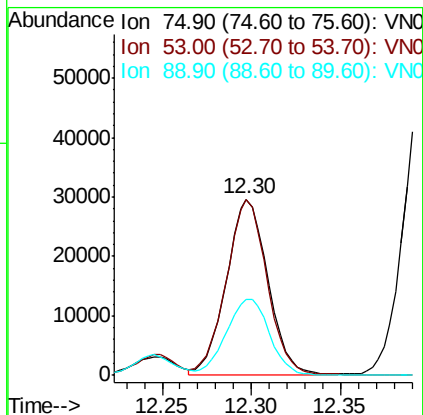
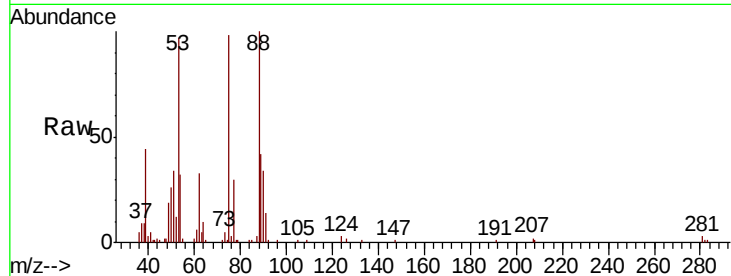
Tgt Ion: 75 Resp: 48228

Ion Ratio Lower Upper

75 100

53 98.4 78.1 117.1

89 44.8 35.4 53.2



#82

4-Chlorotoluene

Concen: 29.611 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059600.D

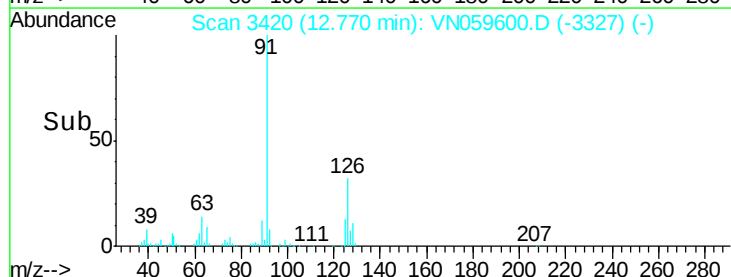
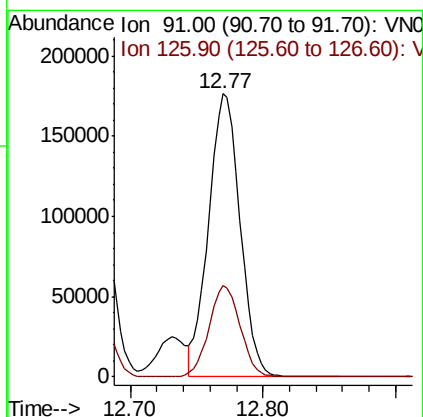
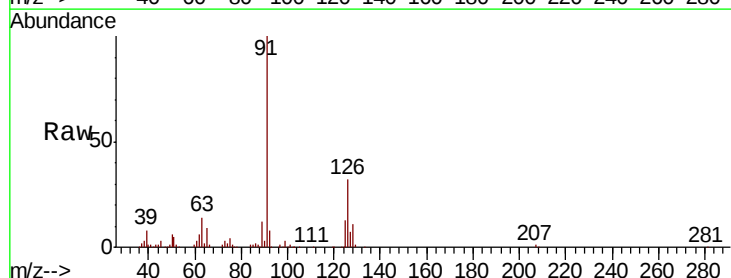
Acq: 16 Dec 2019 14:10

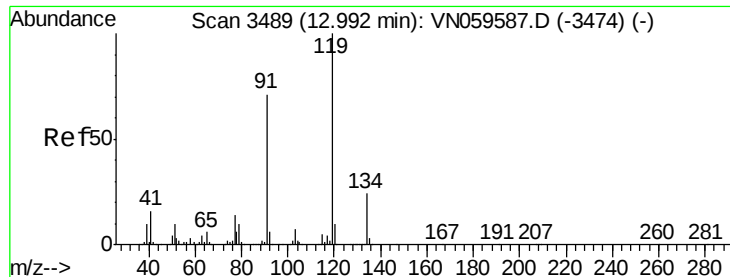
Tgt Ion: 91 Resp: 289853

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.8





#83

tert-Butylbenzene

Concen: 29.803 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN1216WBS02

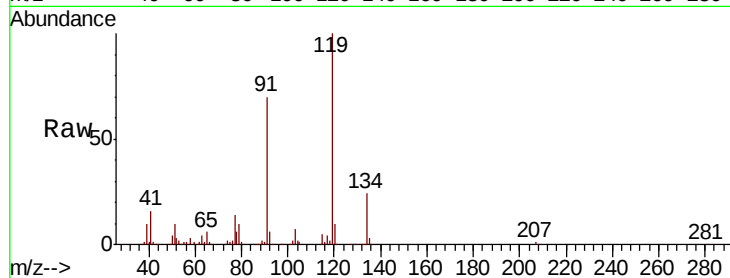
Tgt Ion:119 Resp: 285674

Ion Ratio Lower Upper

119 100

91 68.8 34.8 104.4

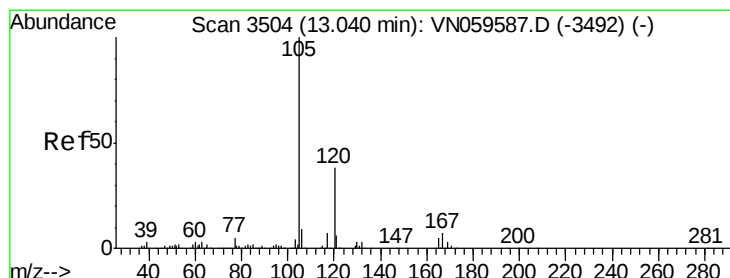
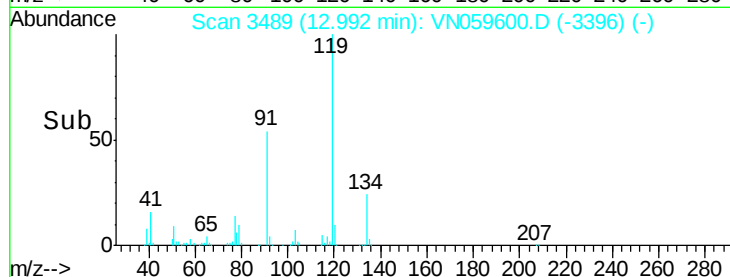
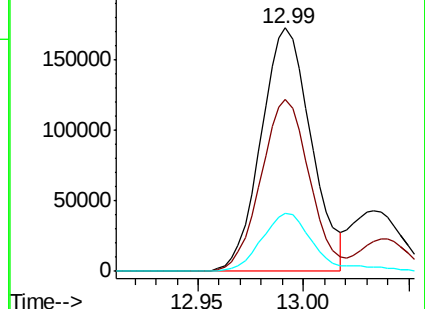
134 25.1 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 30.352 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059600.D

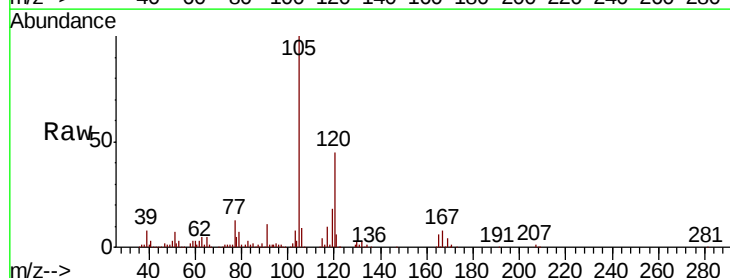
Acq: 16 Dec 2019 14:10

Tgt Ion:105 Resp: 341601

Ion Ratio Lower Upper

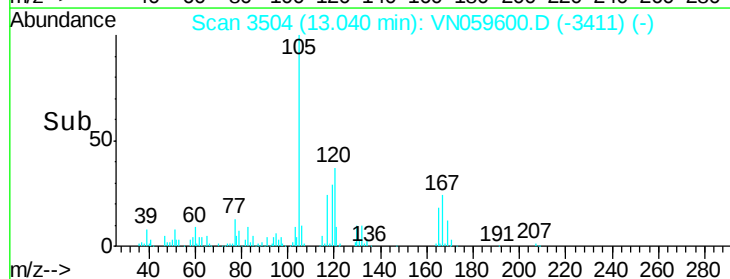
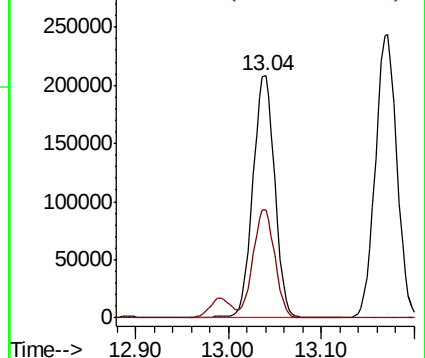
105 100

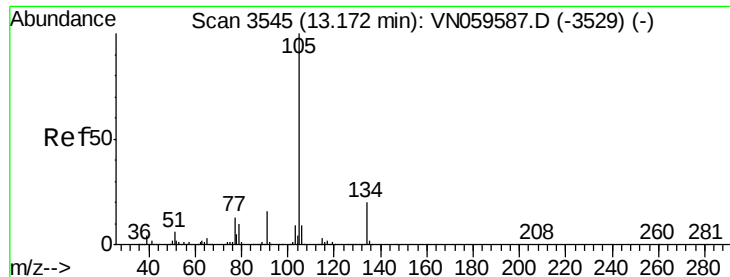
120 44.2 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

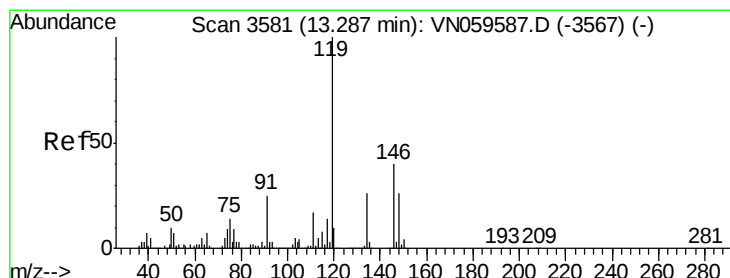
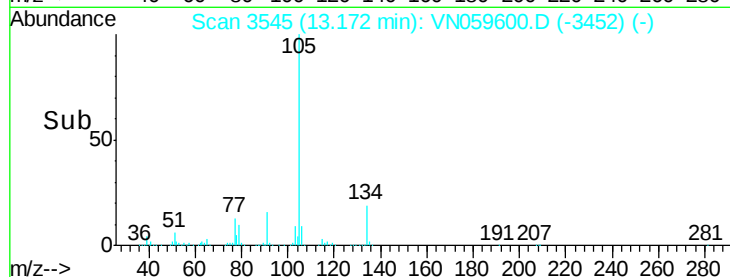
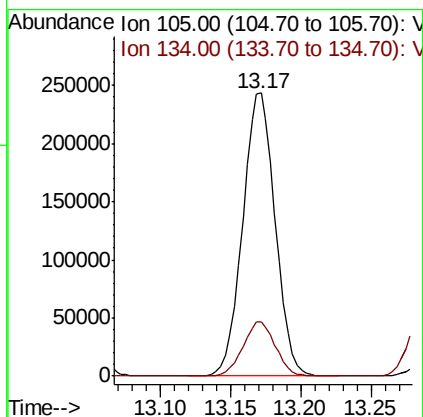
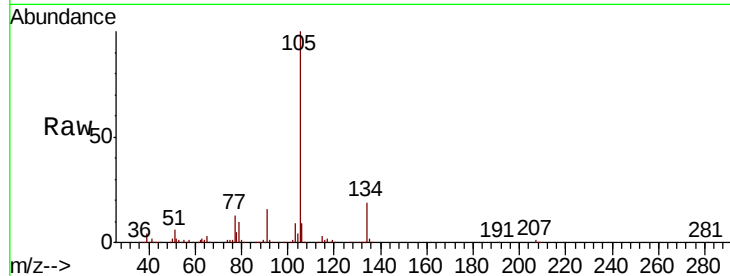




#85
 sec-Butylbenzene
 Concen: 30.733 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

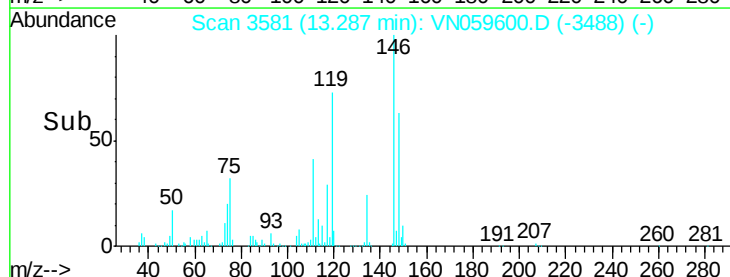
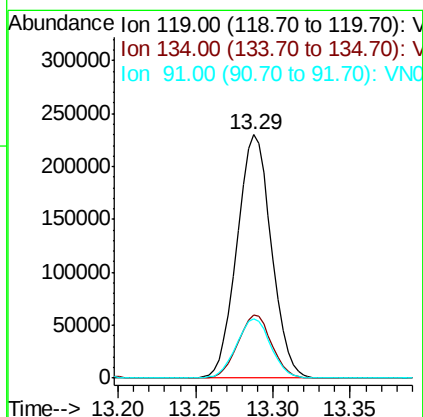
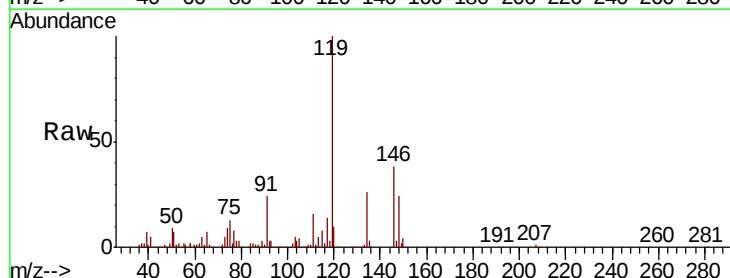
Instrument :
 MSVOA_N
 ClientSampled :
 VN1216WBS02

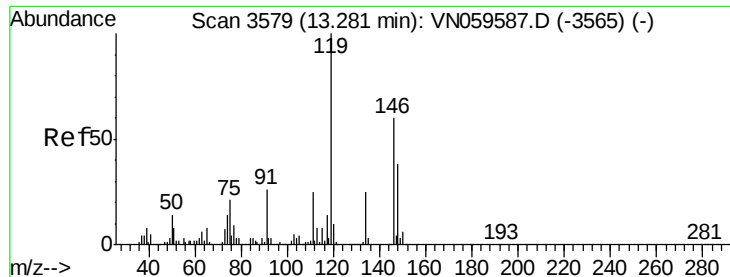
Tgt Ion:105 Resp: 391865
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 30.649 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion:119 Resp: 353934
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.7
 91 24.6 12.4 37.4

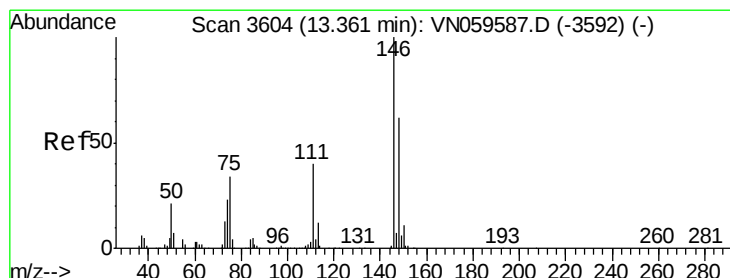
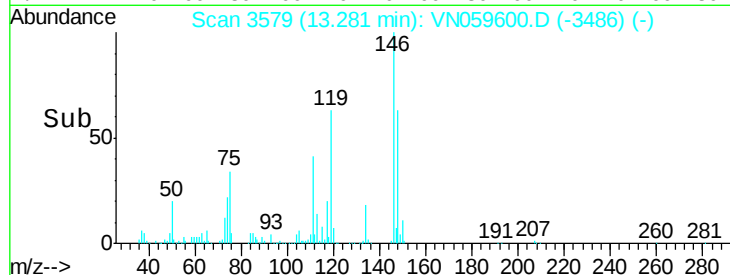
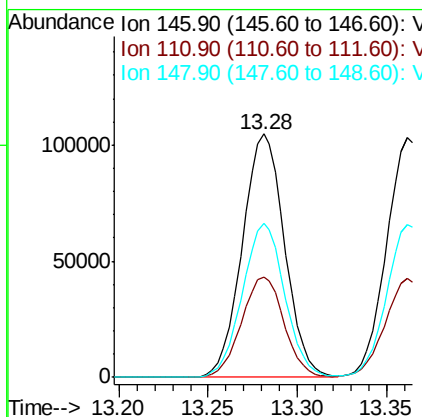
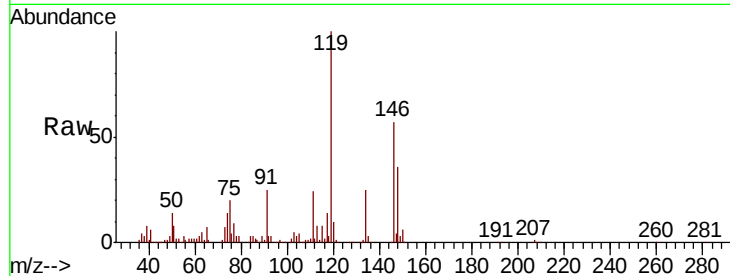




#87
 1,3-Dichlorobenzene
 Concen: 28.614 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

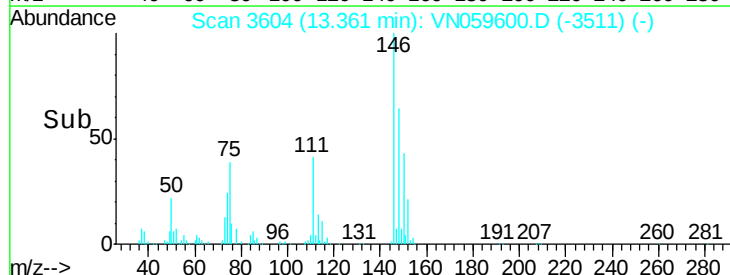
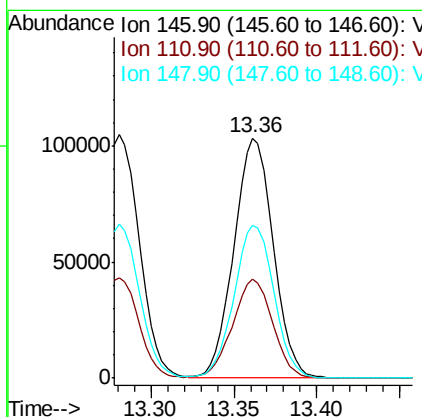
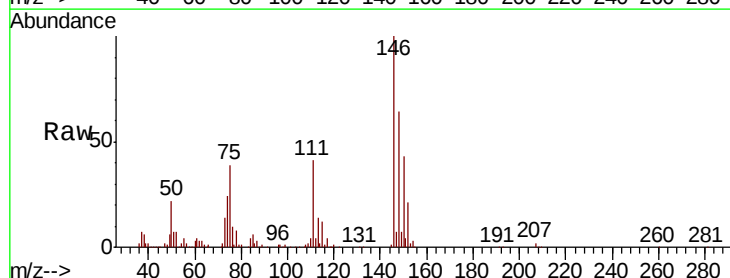
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

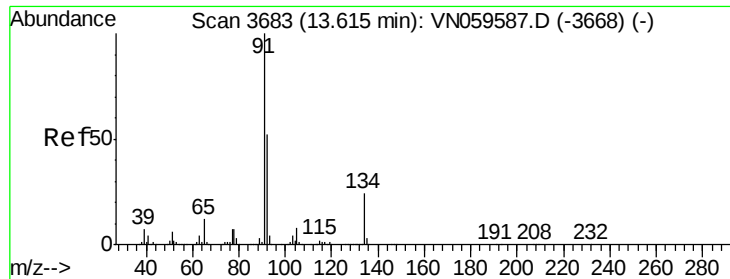
Tgt Ion:146 Resp: 173070
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.2
 148 63.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 27.841 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion:146 Resp: 169779
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.2
 148 64.5 31.8 95.4





#89

n-Butylbenzene

Concen: 29.544 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

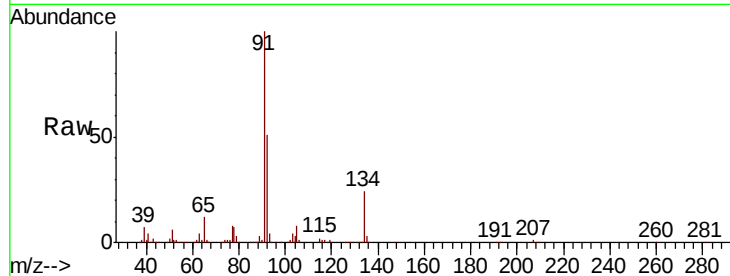
Tgt Ion: 91 Resp: 319863

Ion Ratio Lower Upper

91 100

92 51.1 25.9 77.7

134 24.8 12.3 36.8

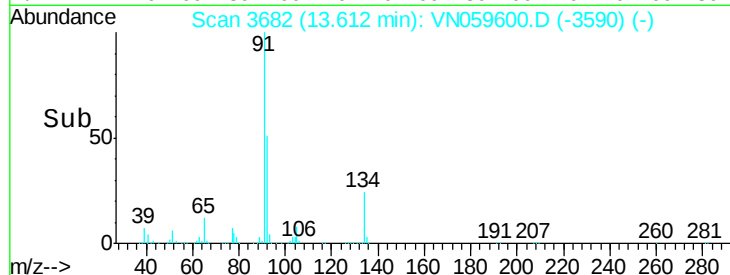


Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

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

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

Time-->

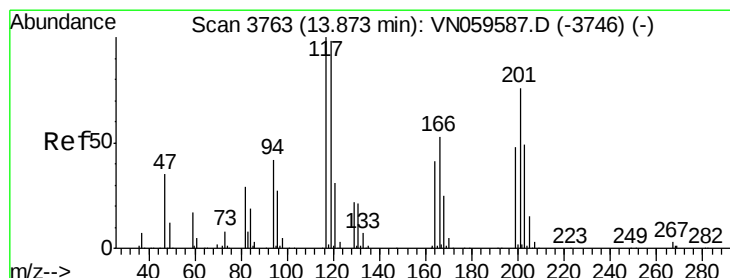


Abundance Ion 91.00 (90.70 to 91.70): VN059600.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN059600.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN059600.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 29.703 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059600.D

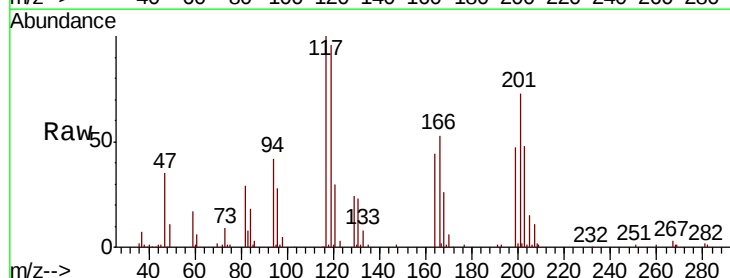
Acq: 16 Dec 2019 14:10

Tgt Ion: 117 Resp: 64838

Ion Ratio Lower Upper

117 100

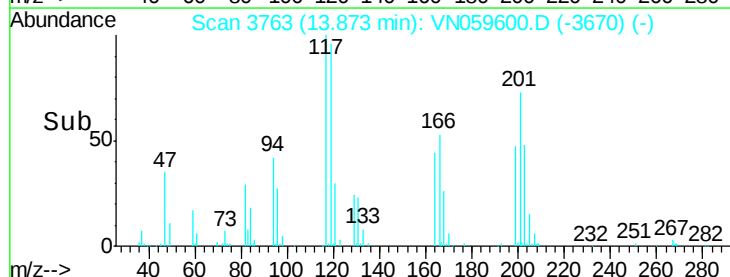
201 75.2 37.8 113.4



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

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

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN059600.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN059600.D (-3670) (-)

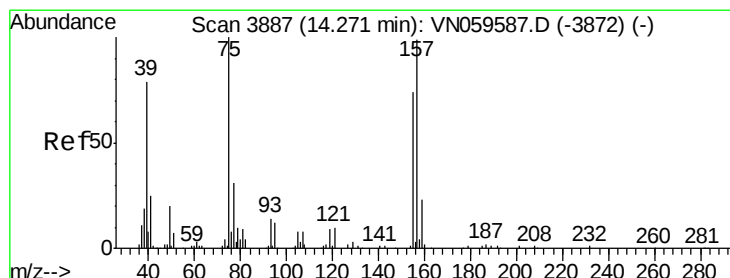
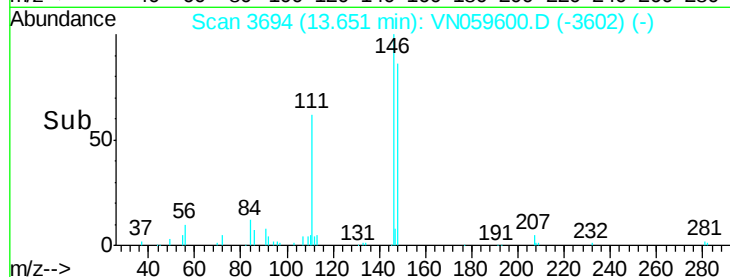
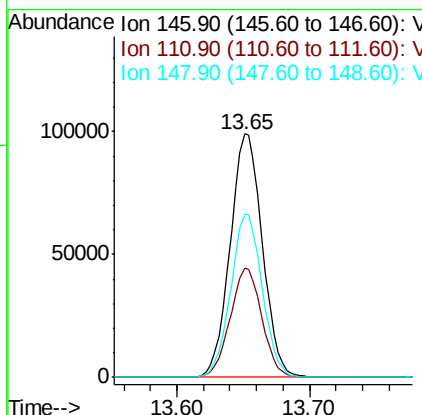
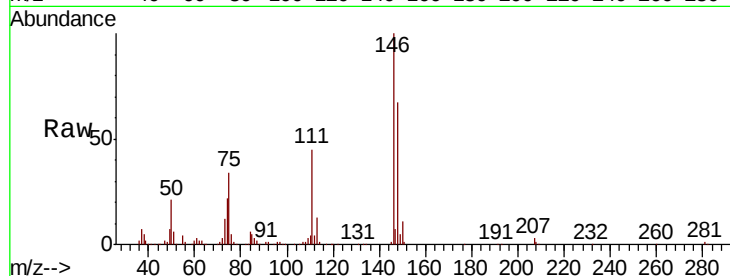
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 28.042 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

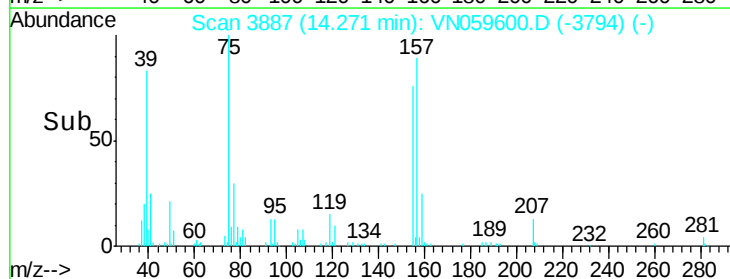
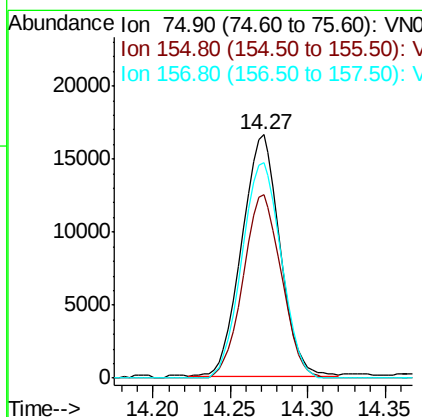
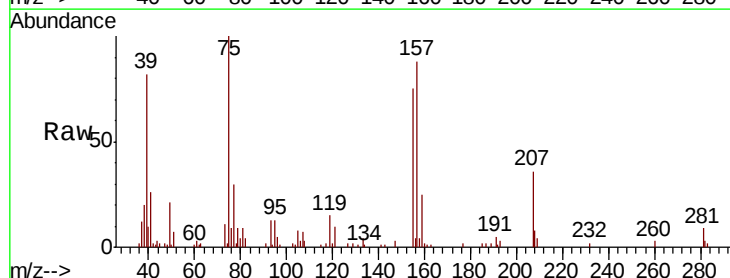
Instrument :
 MSVOA_N
 ClientSampled :
 VN1216WBS02

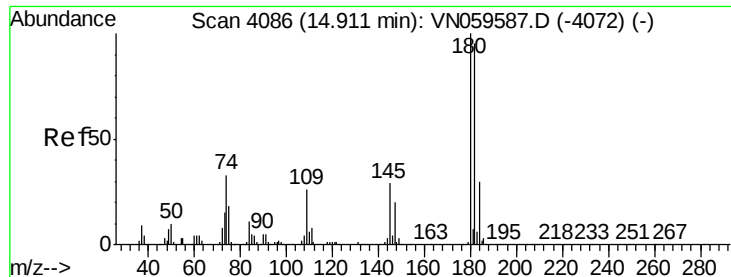
Tgt Ion:146 Resp: 167267
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.6 64.8
 148 65.7 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.840 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 75 Resp: 28274
 Ion Ratio Lower Upper
 75 100
 155 76.6 37.0 110.9
 157 92.2 48.4 145.2

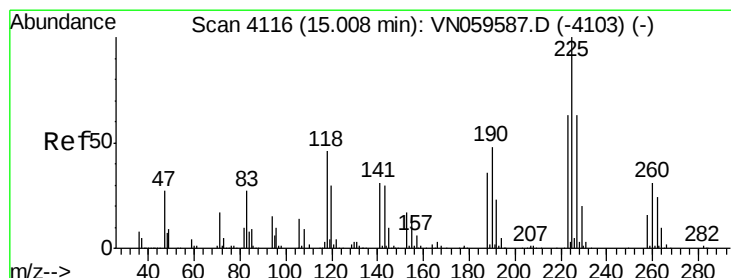
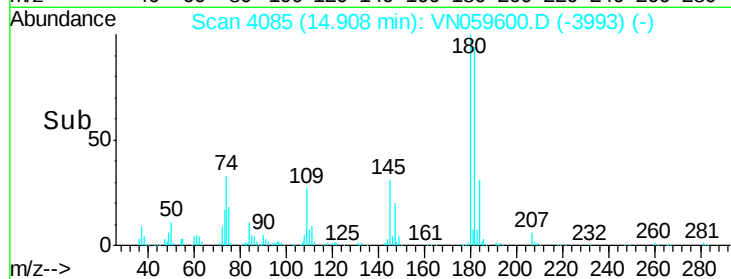
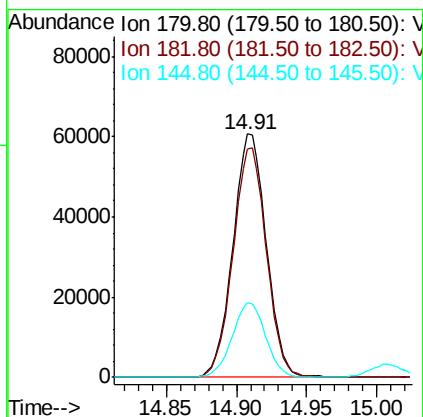
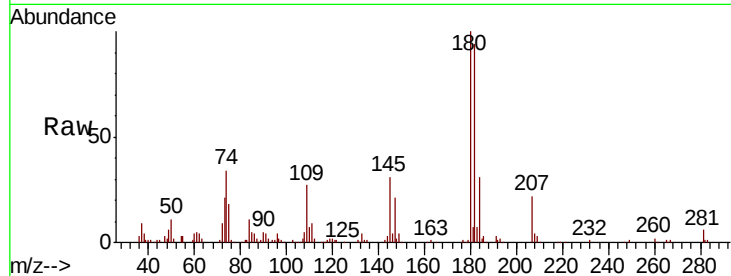




#93
 1,2,4-Trichlorobenzene
 Concen: 26.195 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

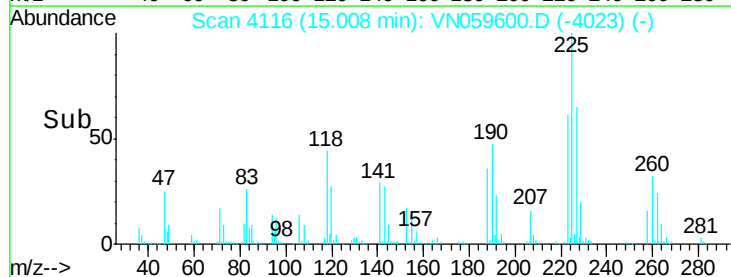
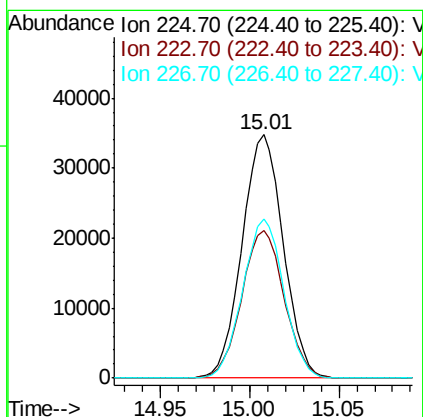
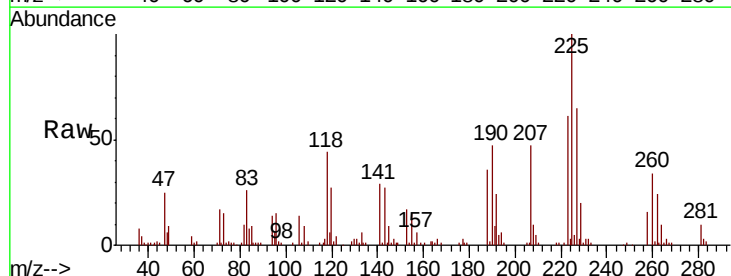
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

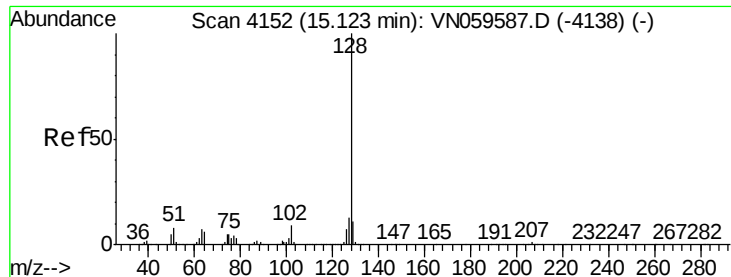
Tgt Ion:180 Resp: 100897
 Ion Ratio Lower Upper
 180 100
 182 93.7 46.9 140.7
 145 30.7 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 27.846 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion:225 Resp: 56032
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.8 95.3
 227 65.1 32.1 96.5

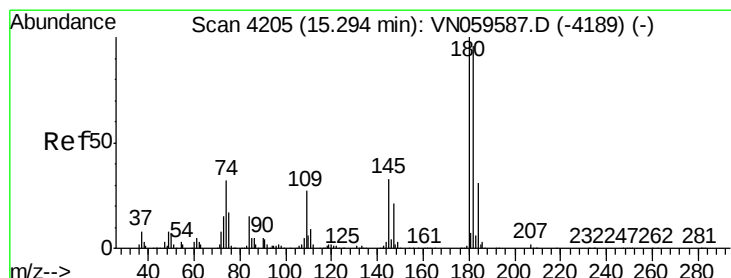
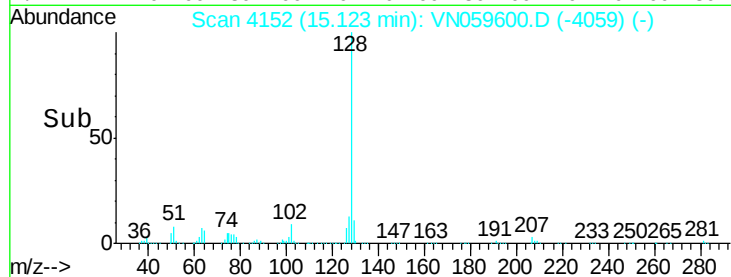
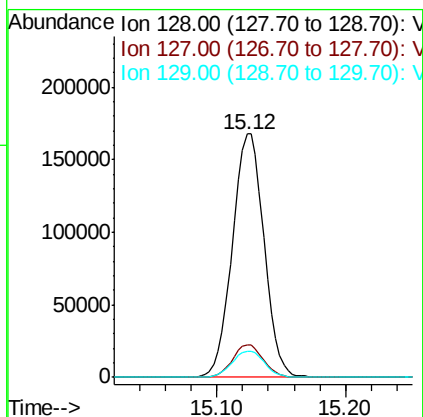
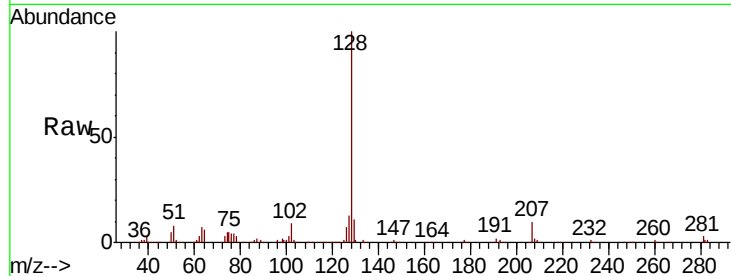




#95
Naphthalene
Concen: 24.907 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tgt Ion:128 Resp: 286398
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 25.488 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion:180 Resp: 99294
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.3
145 32.5 16.3 48.9

