

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059160.D
 Acq On : 11 Nov 2019 14:53
 Operator : JC/SP
 Sample : VN1111WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBSD01

Quant Time: Nov 12 00:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	455179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	732080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	665112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	289919	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.57	113	218481	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.08	98	836576	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.40	95	297774	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84831	18.497	ug/l	100
3) Chloromethane	2.04	50	113373	18.186	ug/l	100
4) Vinyl Chloride	2.17	62	118266	19.567	ug/l	98
5) Bromomethane	2.54	94	66959	19.251	ug/l	97
6) Chloroethane	2.68	64	70347	19.676	ug/l	98
7) Trichlorofluoromethane	3.00	101	143735	19.882	ug/l	99
8) Diethyl Ether	3.39	74	56147	19.114	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84199	19.317	ug/l	99
10) Methyl Iodide	3.93	142	99237	18.393	ug/l	99
11) Tert butyl alcohol	4.76	59	112809	105.790	ug/l	99
12) 1,1-Dichloroethene	3.71	96	79767	18.786	ug/l	97
13) Acrolein	3.58	56	44405	80.768	ug/l	98
14) Allyl chloride	4.30	41	160445	18.395	ug/l	96
15) Acrylonitrile	4.96	53	263527	99.303	ug/l	98
16) Acetone	3.79	43	257818	88.607	ug/l	98
17) Carbon Disulfide	4.03	76	227458	17.257	ug/l	99
18) Methyl Acetate	4.30	43	143732	20.811	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	294028	20.113	ug/l	99
20) Methylene Chloride	4.53	84	98632	19.457	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	87147	19.121	ug/l	97
22) Diisopropyl ether	5.93	45	326959	19.846	ug/l	96
23) Vinyl Acetate	5.87	43	1344089	105.269	ug/l	98
24) 1,1-Dichloroethane	5.82	63	179988	19.561	ug/l	99
25) 2-Butanone	6.81	43	377702	98.494	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148552	18.463	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	103598	19.592	ug/l	100
28) Bromochloromethane	7.17	49	57866	20.903	ug/l	99
29) Tetrahydrofuran	7.19	42	251178	103.085	ug/l	98
30) Chloroform	7.35	83	179336	20.317	ug/l	99
31) Cyclohexane	7.63	56	161183	18.504	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	152662	20.571	ug/l	99
36) 1,1-Dichloropropene	7.77	75	129989	18.996	ug/l	99
37) Ethyl Acetate	6.91	43	155616	20.442	ug/l	99
38) Carbon Tetrachloride	7.75	117	132459	19.448	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	148500	18.699	ug/l	98
40) Benzene	8.02	78	395400	19.188	ug/l	99
41) Methacrylonitrile	7.19	41	225470	68.113	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	144103	20.390	ug/l	98
43) Isopropyl Acetate	8.15	43	238489	19.651	ug/l #	92
44) Trichloroethene	8.82	130	96305	19.013	ug/l	98
45) 1,2-Dichloropropane	9.10	63	107742	19.250	ug/l	98
46) Dibromomethane	9.19	93	67682	19.406	ug/l	99
47) Bromodichloromethane	9.39	83	138196	19.843	ug/l	97
48) Methyl methacrylate	9.18	41	105253	19.389	ug/l	97
49) 1,4-Dioxane	9.18	88	39116	405.466	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	769947	112.124	ug/l	98
52) Toluene	10.15	92	241008	19.514	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	152720	18.980	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	165569	19.130	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	96753	19.357	ug/l	97
56) Ethyl methacrylate	10.42	69	147272	18.877	ug/l	98
57) 1,3-Dichloropropane	10.70	76	170320	19.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	265707	95.518	ug/l	99
59) 2-Hexanone	10.74	43	560632	106.368	ug/l	98
60) Dibromochloromethane	10.90	129	103757	19.633	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100227	19.808	ug/l	99
64) Tetrachloroethene	10.63	164	83955	18.563	ug/l	98
65) Chlorobenzene	11.43	112	255201	19.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	95672	19.671	ug/l	97
67) Ethyl Benzene	11.51	91	454272	19.748	ug/l	99
68) m/p-Xylenes	11.62	106	331694	38.493	ug/l	98
69) o-Xylene	11.95	106	161781	19.427	ug/l	98
70) Styrene	11.96	104	256084	19.553	ug/l	100
71) Bromoform	12.13	173	73705	19.482	ug/l #	99
73) Isopropylbenzene	12.25	105	436282	20.551	ug/l	100
74) N-amyl acetate	12.07	43	183616	20.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	151269	20.924	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	199345	30.002	ug/l #	100
77) Bromobenzene	12.53	156	105117	19.708	ug/l	99
78) n-propylbenzene	12.59	91	496633	20.432	ug/l	100
79) 2-Chlorotoluene	12.67	91	302509	20.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	360149	20.021	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48994	19.476	ug/l	97
82) 4-Chlorotoluene	12.77	91	302787	20.020	ug/l	100
83) tert-Butylbenzene	12.99	119	310807	20.008	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	355682	20.437	ug/l	97
85) sec-Butylbenzene	13.17	105	403198	19.957	ug/l	99
86) p-Isopropyltoluene	13.29	119	354578	19.877	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	178326	19.525	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	174211	19.064	ug/l	99
89) n-Butylbenzene	13.62	91	280991	17.997	ug/l	99
90) Hexachloroethane	13.88	117	70544	19.694	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	181588	20.211	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31255	21.684	ug/l	95

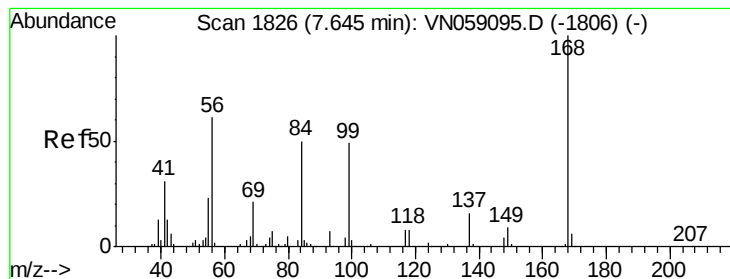
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
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Quant Time: Nov 12 00:42:28 2019
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81765	17.132	ug/l	99
94) Hexachlorobutadiene	15.01	225	53058	17.127	ug/l	98
95) Naphthalene	15.13	128	236751	17.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	85362	16.953	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

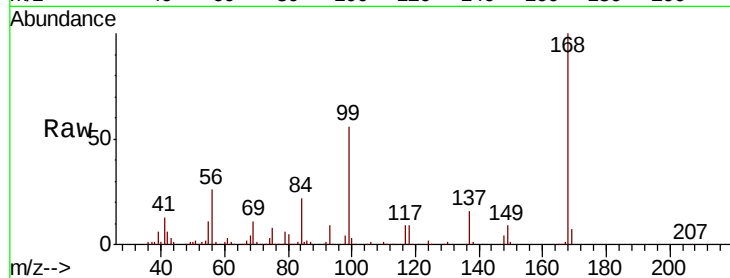
VN1111WBSD01

Tot Ion:168 Resp: 455179

Ion Ratio Lower Upper

168 100

99 56.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

200000

150000

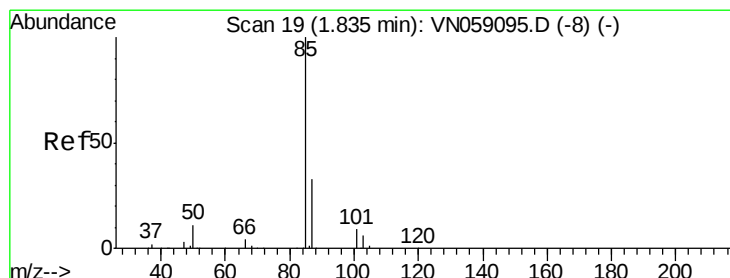
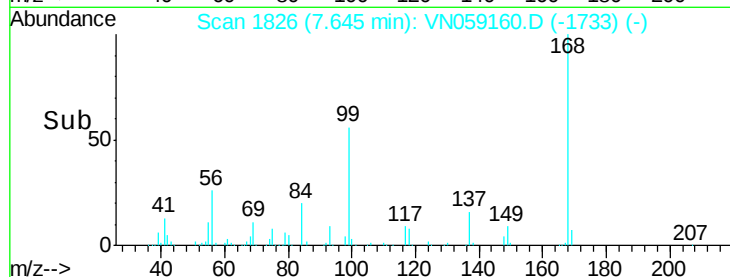
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.497 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059160.D

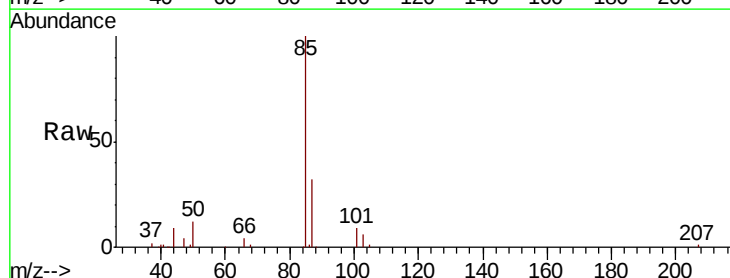
Acq: 11 Nov 2019 14:53

Tgt Ion: 85 Resp: 84831

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

60000

50000

40000

30000

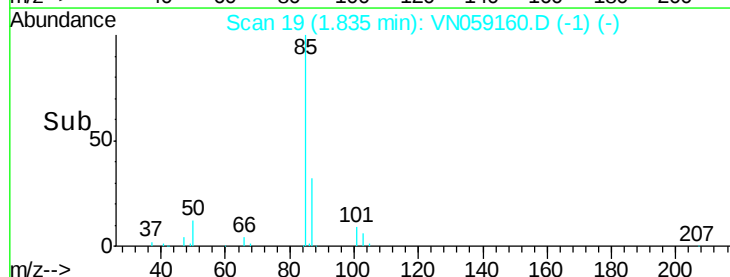
20000

10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.186 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

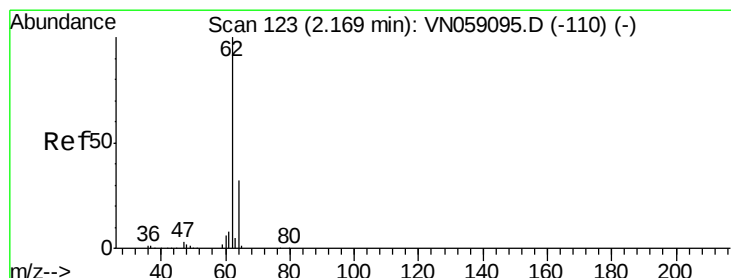
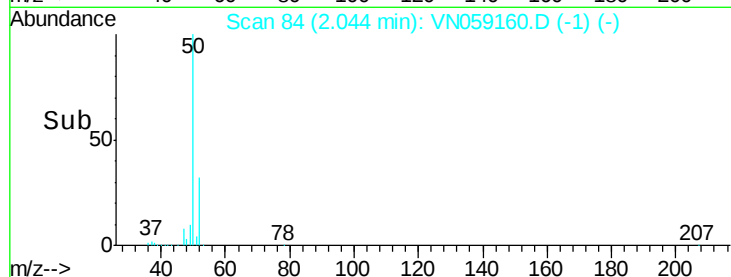
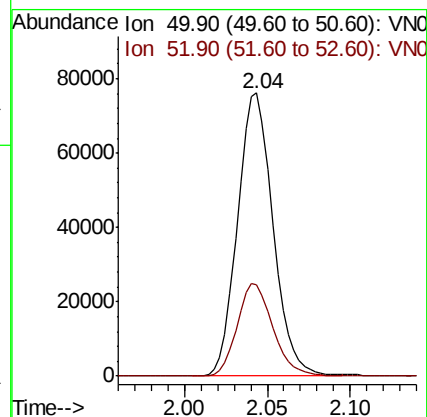
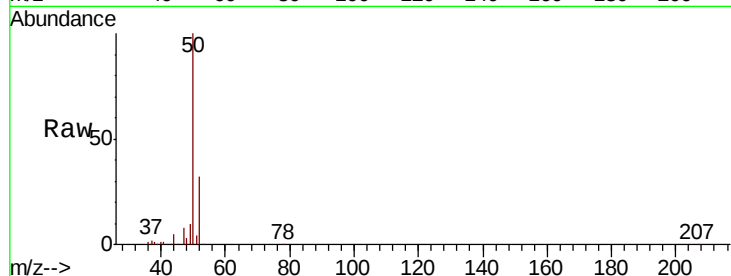
VN1111WBSD01

Tot Ion: 50 Resp: 113373

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 19.567 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059160.D

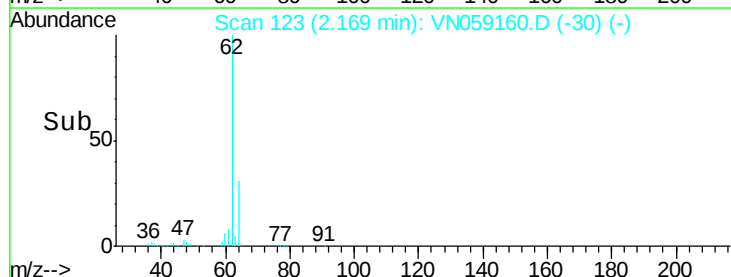
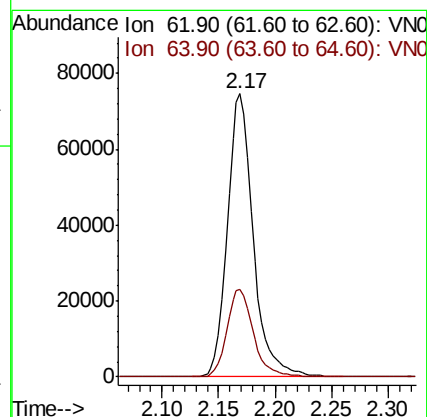
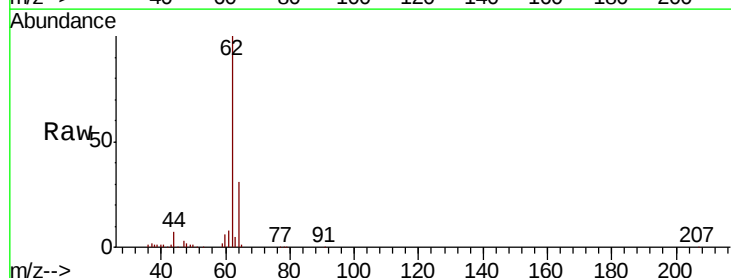
Acq: 11 Nov 2019 14:53

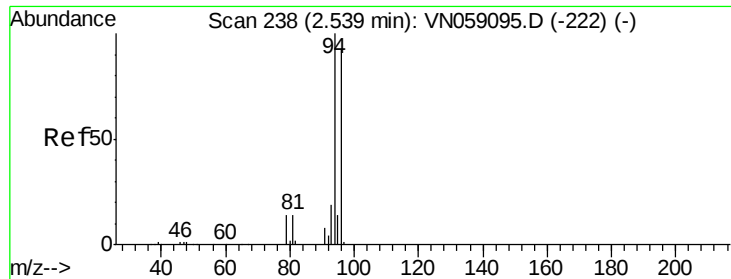
Tgt Ion: 62 Resp: 118266

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2





#5

Bromomethane

Concen: 19.251 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

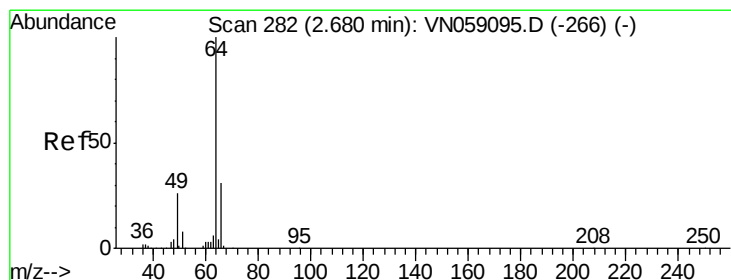
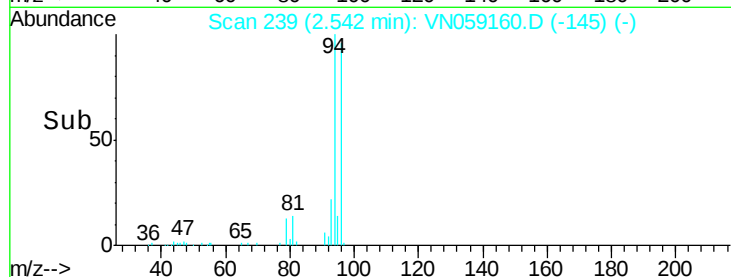
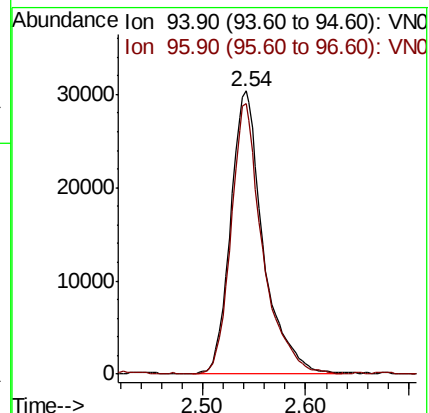
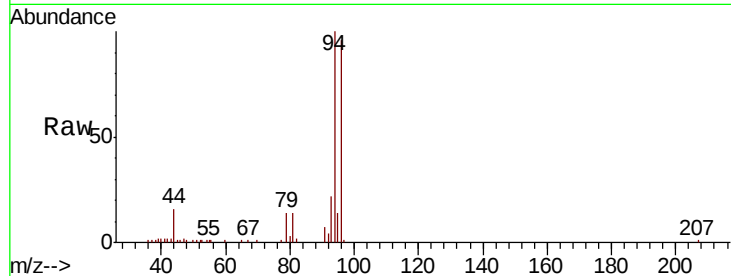
VN1111WBSD01

Tot Ion: 94 Resp: 66959

Ion Ratio Lower Upper

94 100

96 95.7 74.2 111.2



#6

Chloroethane

Concen: 19.676 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059160.D

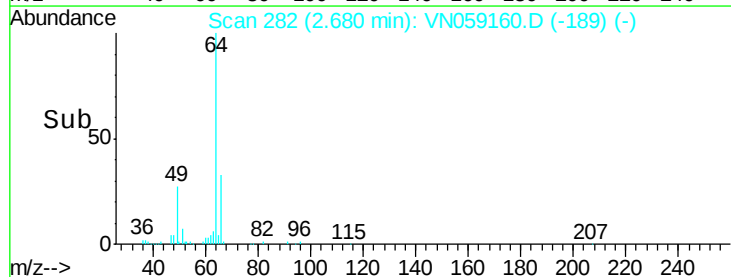
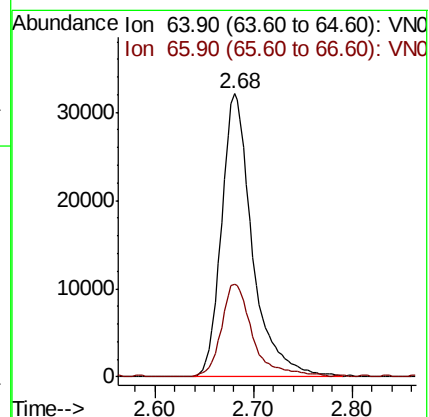
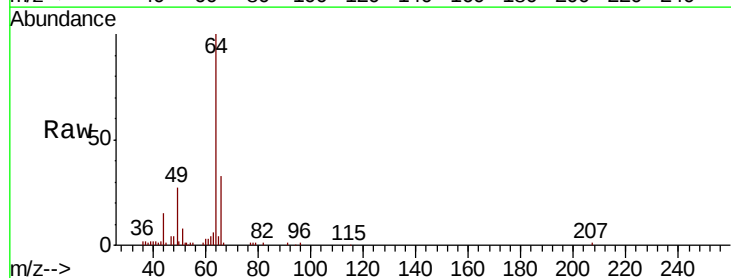
Acq: 11 Nov 2019 14:53

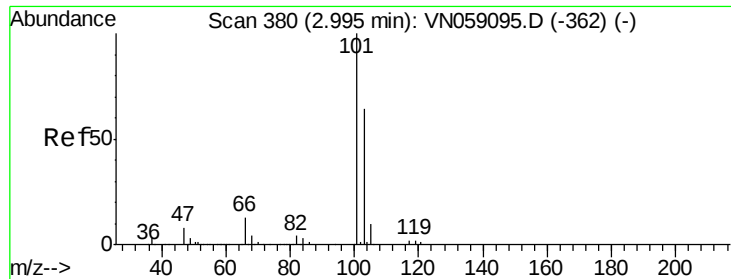
Tgt Ion: 64 Resp: 70347

Ion Ratio Lower Upper

64 100

66 32.9 25.2 37.8



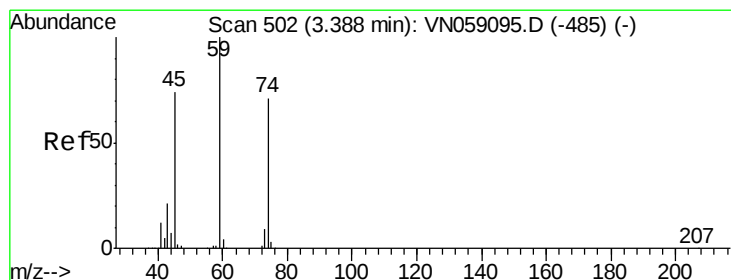
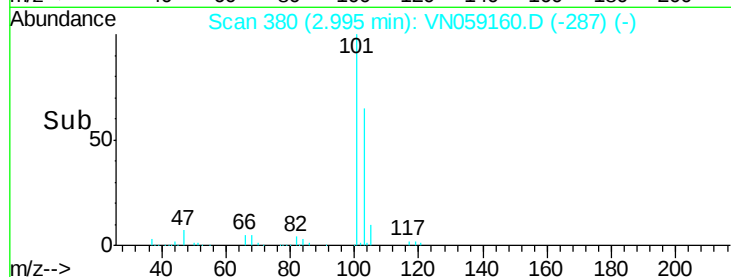
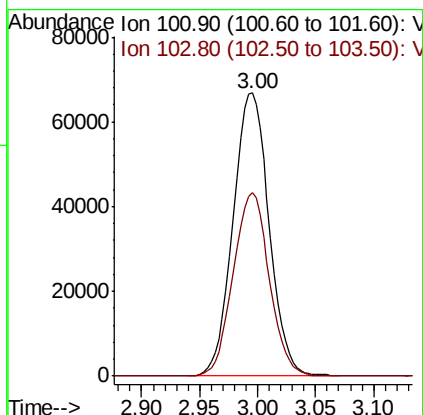
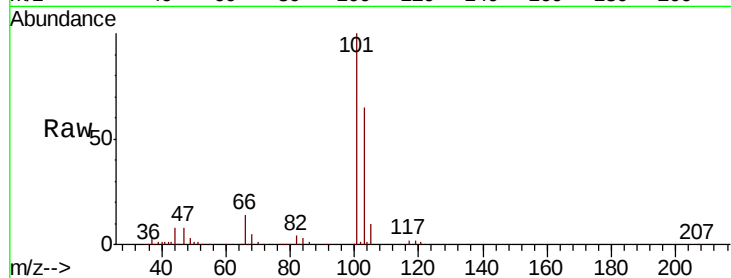


#7

Trichlorofluoromethane
 Concen: 19.882 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

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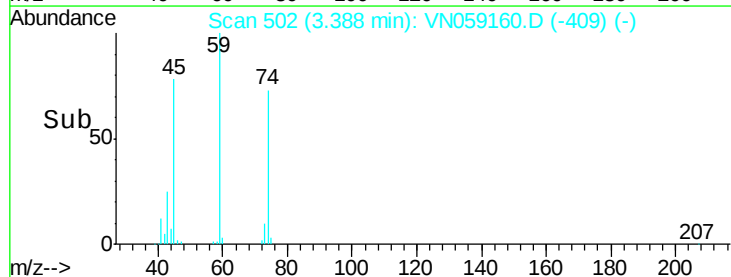
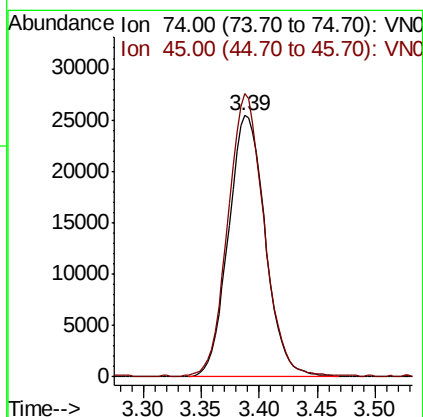
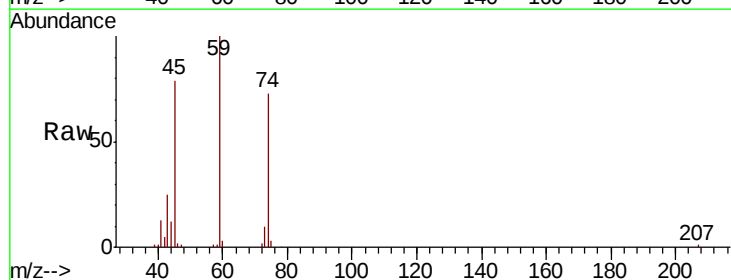
Tot Ion:101 Resp: 143735
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.2 76.8

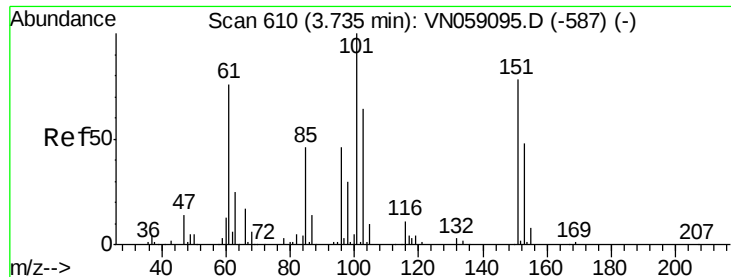


#8

Diethyl Ether
 Concen: 19.114 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 74 Resp: 56147
 Ion Ratio Lower Upper
 74 100
 45 106.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.317 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

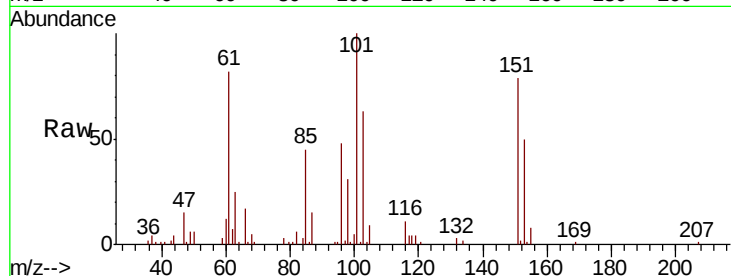
Tot Ion:101 Resp: 84199

Ion Ratio Lower Upper

101 100

85 44.5 35.5 53.3

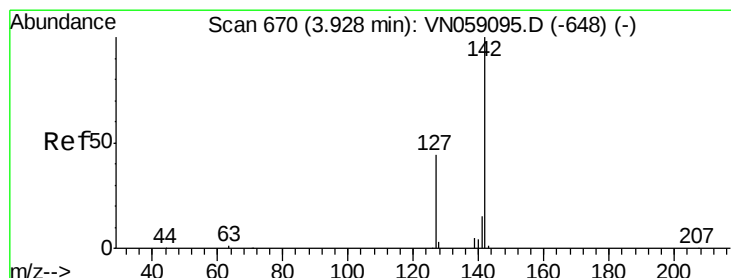
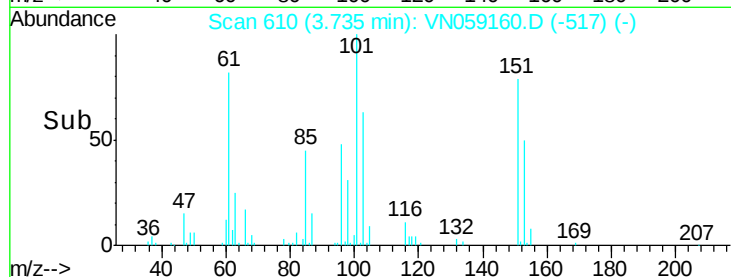
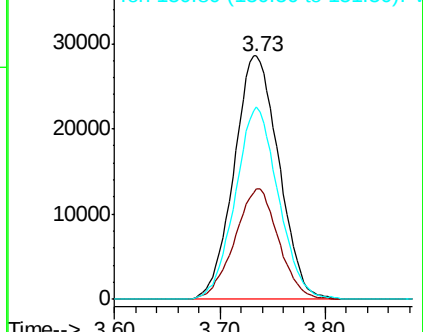
151 76.1 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.393 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

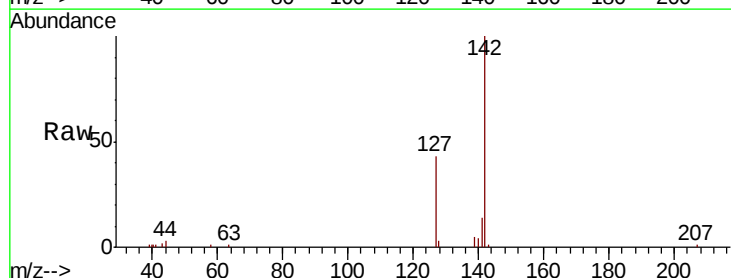
Tgt Ion:142 Resp: 99237

Ion Ratio Lower Upper

142 100

127 43.7 34.2 51.2

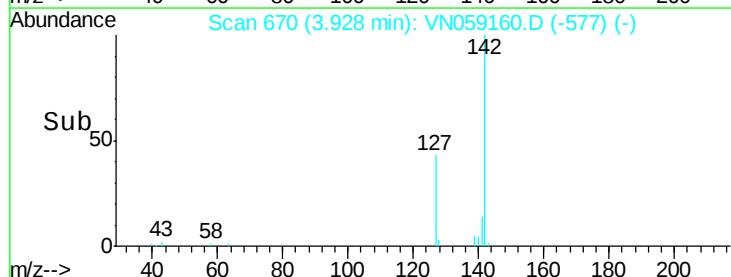
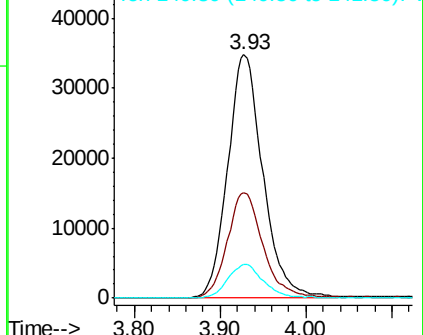
141 13.9 11.4 17.0

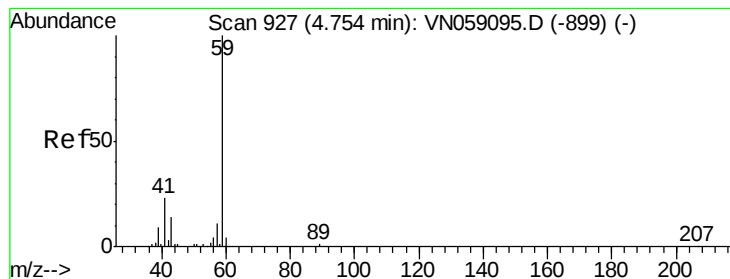


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



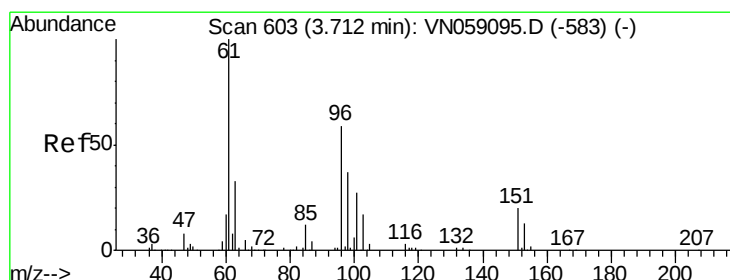
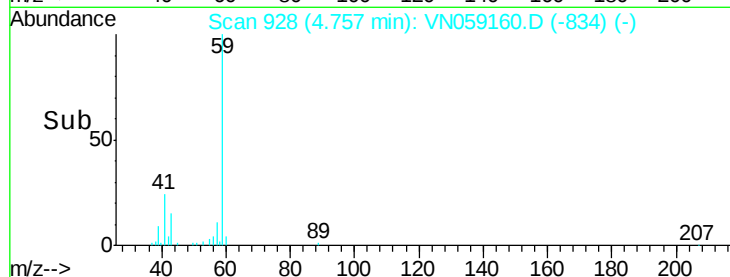
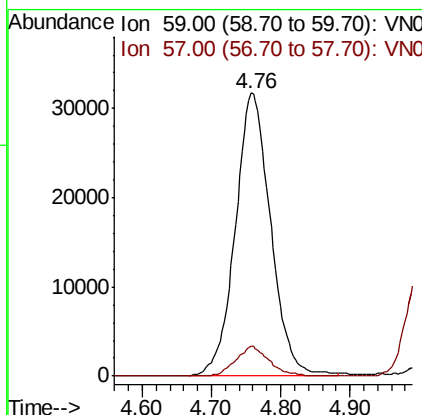
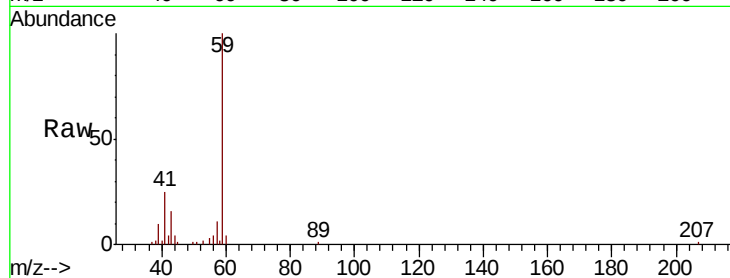


#11

Tert butyl alcohol
 Concen: 105.790 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBSD01

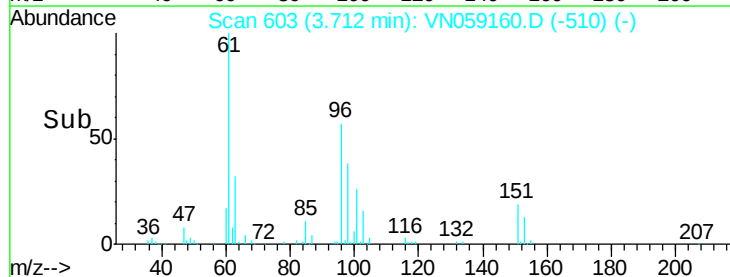
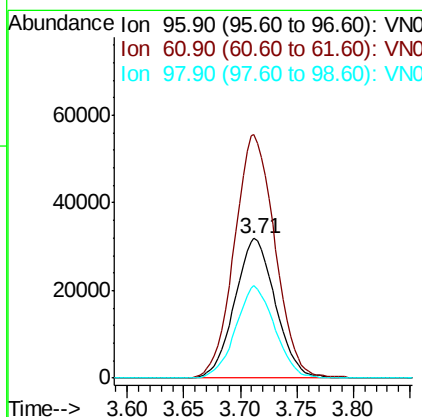
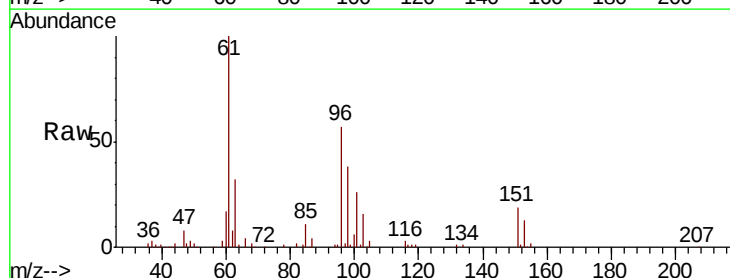
Tot Ion: 59 Resp: 112809
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

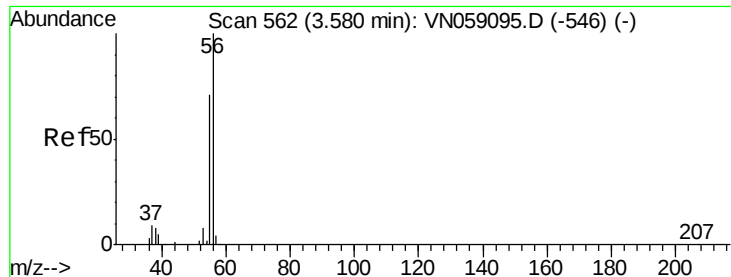


#12

1,1-Dichloroethene
 Concen: 18.786 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 96 Resp: 79767
 Ion Ratio Lower Upper
 96 100
 61 174.2 136.5 204.7
 98 65.8 50.2 75.4





#13

Acrolein

Concen: 80.768 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

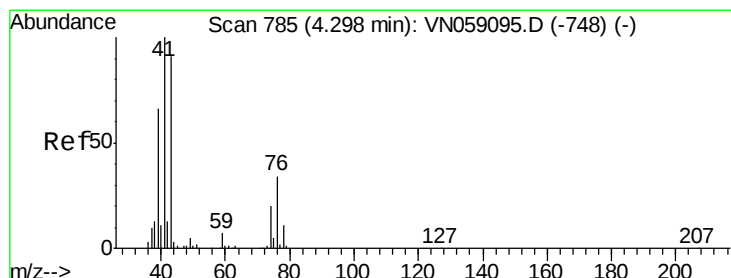
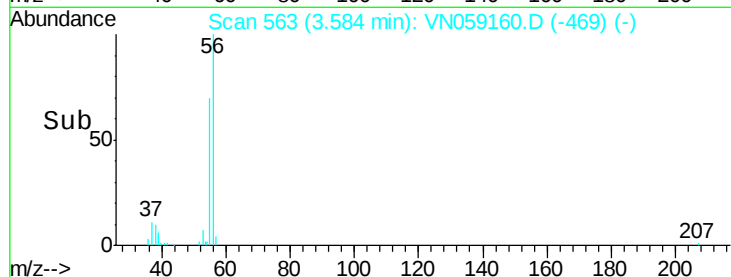
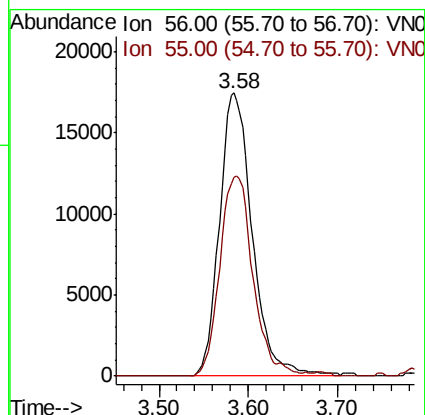
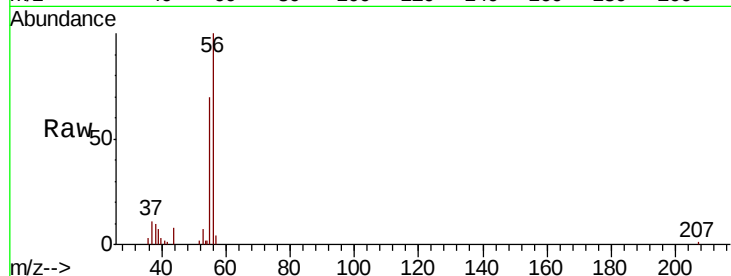
VN1111WBSD01

Tot Ion: 56 Resp: 44405

Ion Ratio Lower Upper

56 100

55 71.8 56.4 84.6



#14

Allyl chloride

Concen: 18.395 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

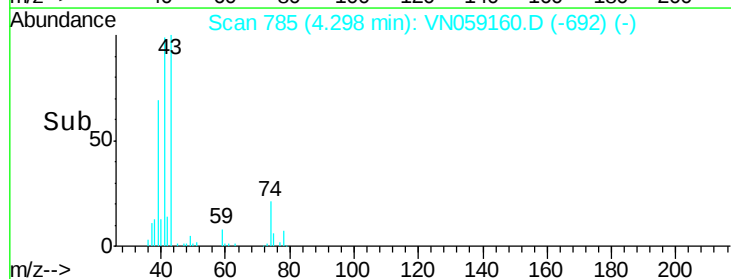
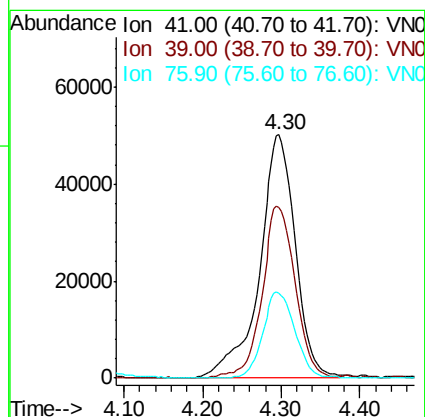
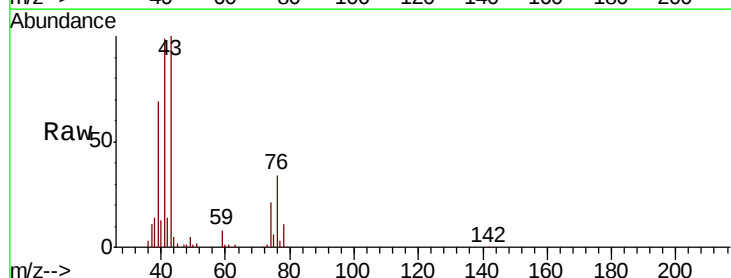
Tgt Ion: 41 Resp: 160445

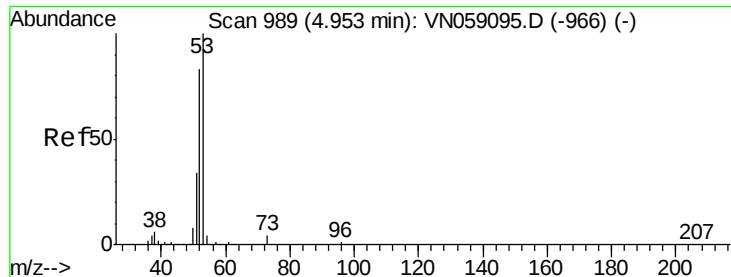
Ion Ratio Lower Upper

41 100

39 65.4 49.1 73.7

76 31.8 24.9 37.3





#15

Acrylonitrile

Concen: 99.303 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

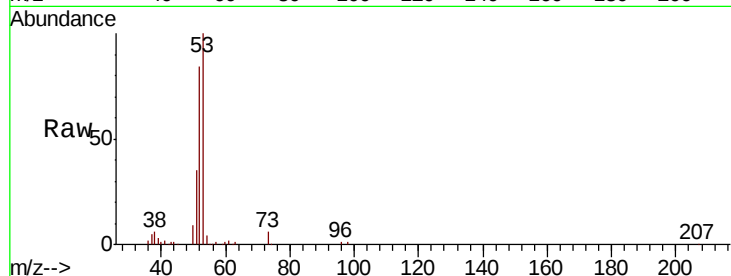
Tot Ion: 53 Resp: 263527

Ion Ratio Lower Upper

53 100

52 83.3 65.0 97.6

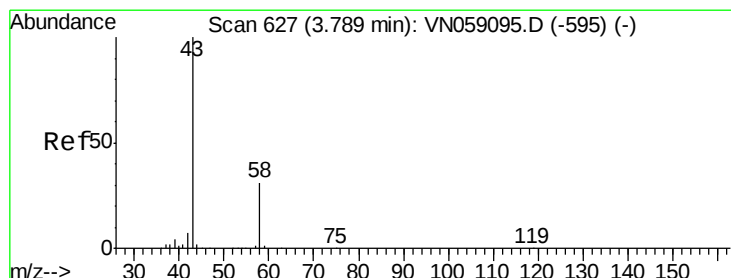
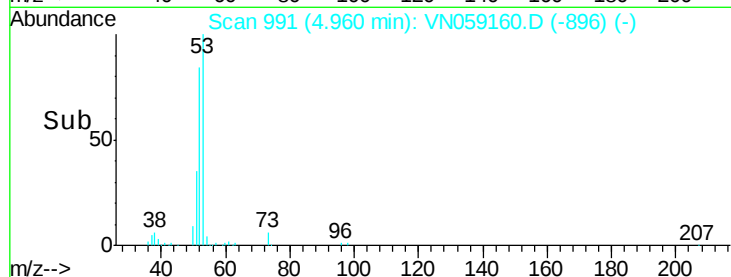
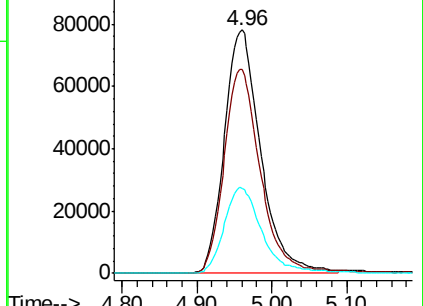
51 36.5 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059160.D (-996) (-)

Ion 52.00 (51.70 to 52.70): VN059160.D (-996) (-)

Ion 51.00 (50.70 to 51.70): VN059160.D (-996) (-)



#16

Acetone

Concen: 88.607 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059160.D

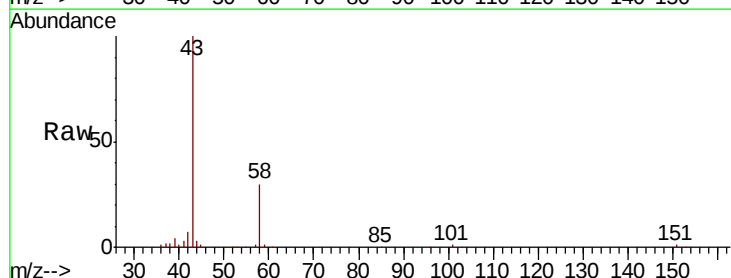
Acq: 11 Nov 2019 14:53

Tgt Ion: 43 Resp: 257818

Ion Ratio Lower Upper

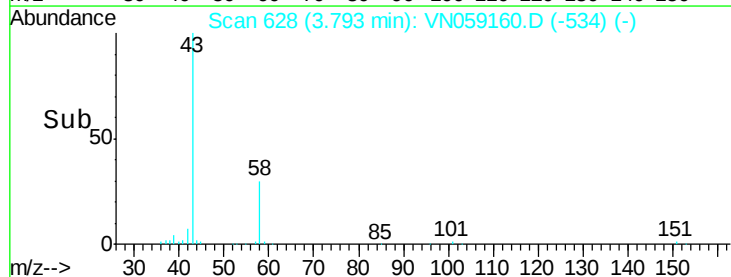
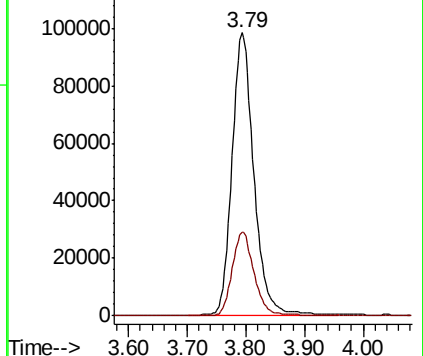
43 100

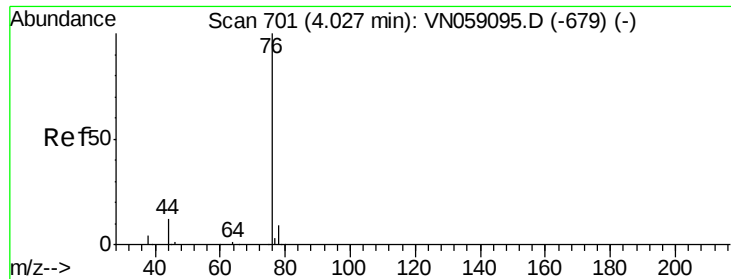
58 29.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059160.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059160.D (-534) (-)

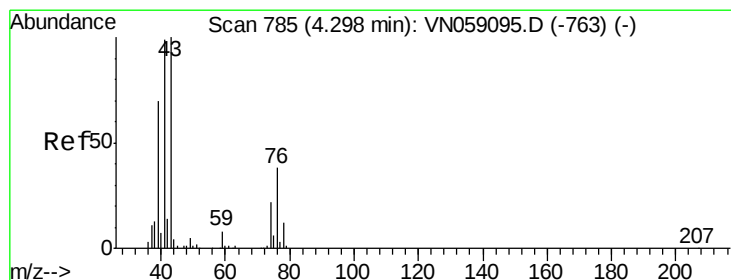
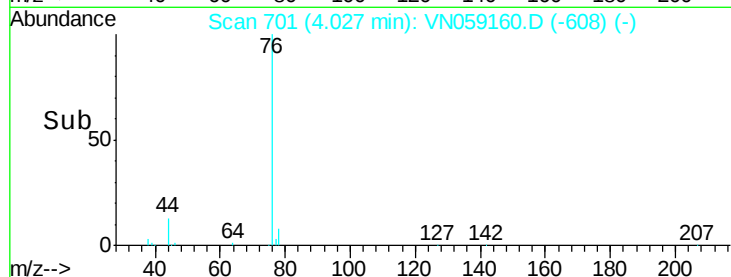
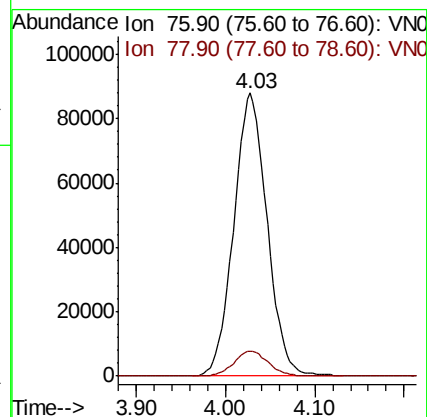
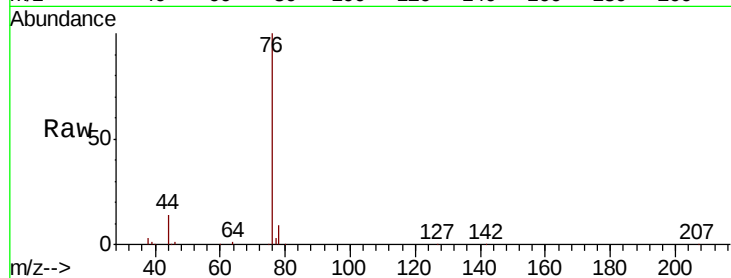




#17
Carbon Disulfide
Concen: 17.257 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

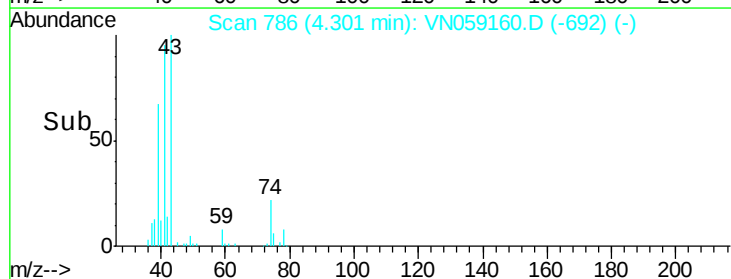
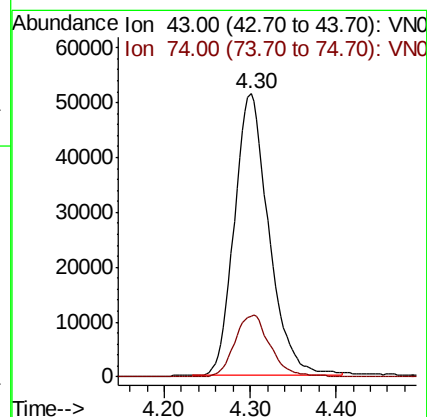
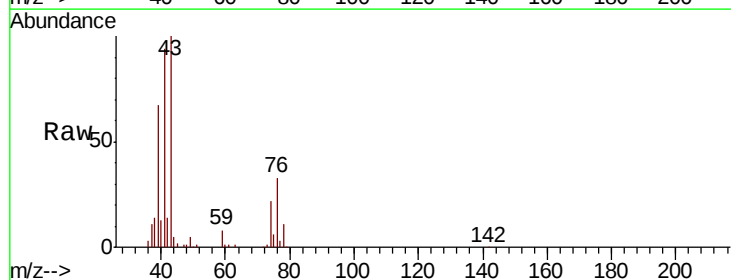
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

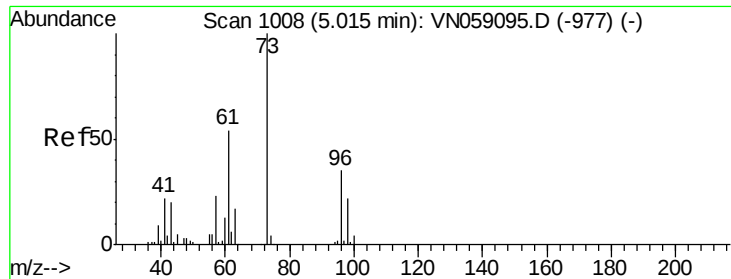
Tot Ion: 76 Resp: 227458
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 20.811 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 43 Resp: 143732
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8

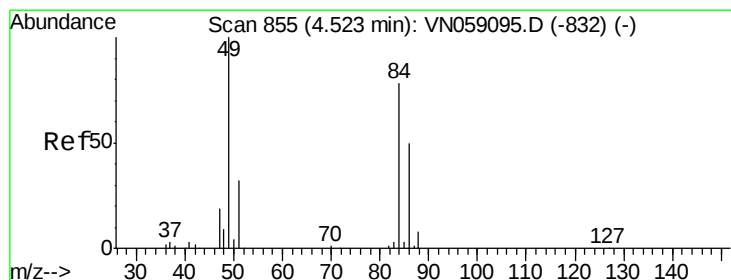
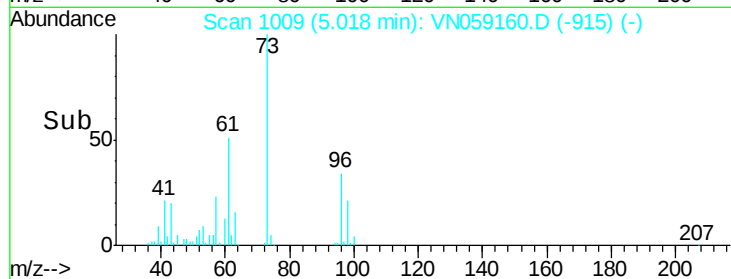
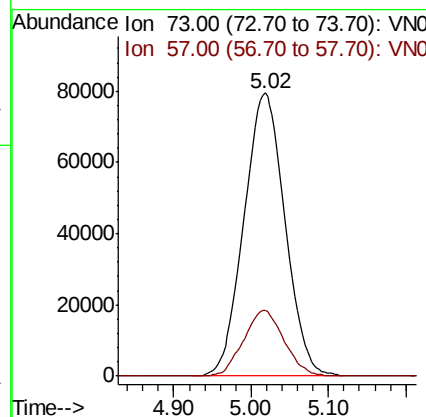
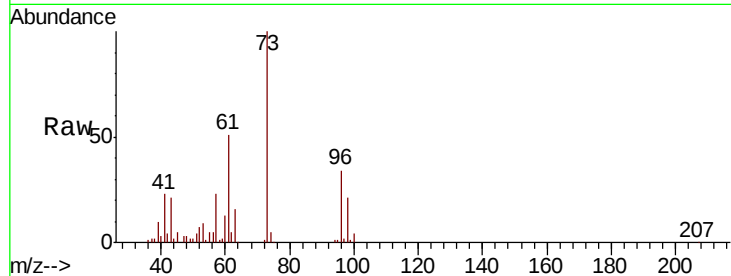




#19
Methvl tert-butvl Ether
Concen: 20.113 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

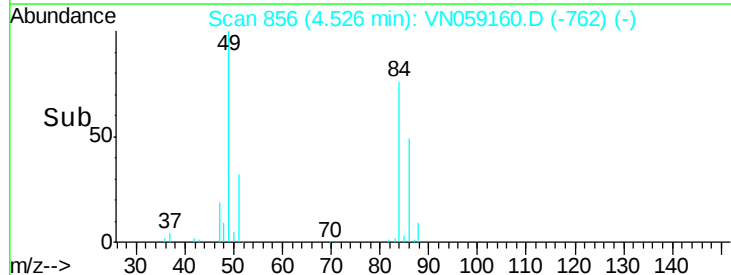
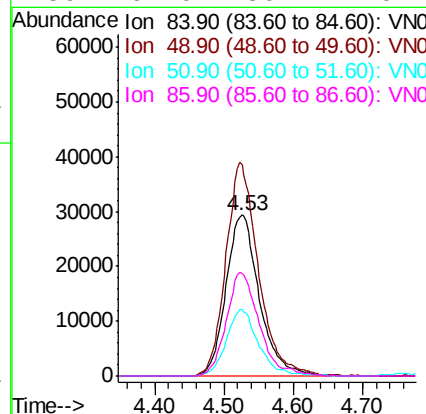
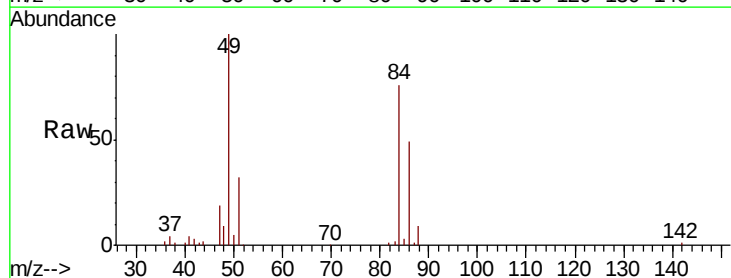
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

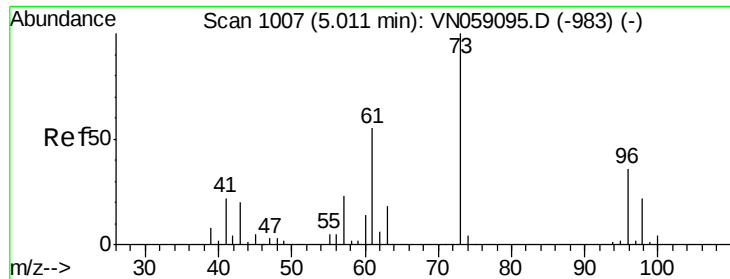
Tot Ion: 73 Resp: 294028
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6



#20
Methylene Chloride
Concen: 19.457 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 84 Resp: 98632
Ion Ratio Lower Upper
84 100
49 131.1 102.0 153.0
51 41.5 32.2 48.2
86 64.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.121 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

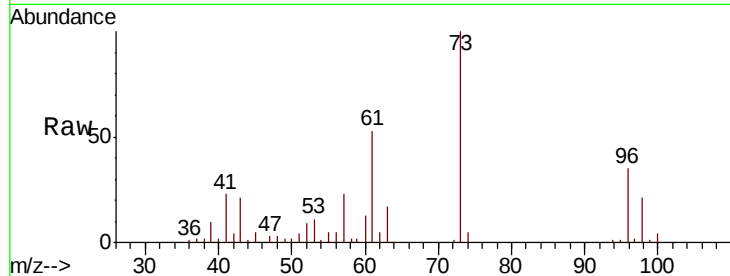
Tot Ion: 96 Resp: 87147

Ion Ratio Lower Upper

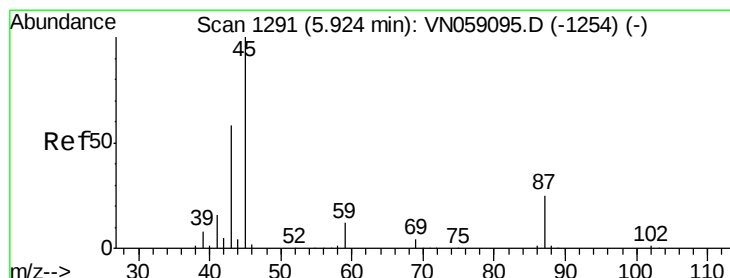
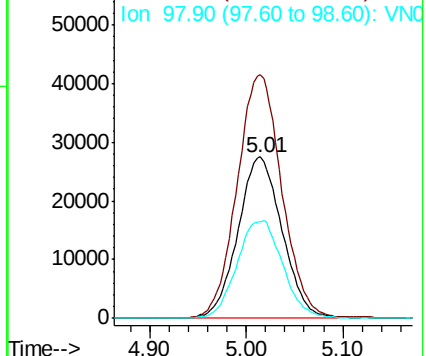
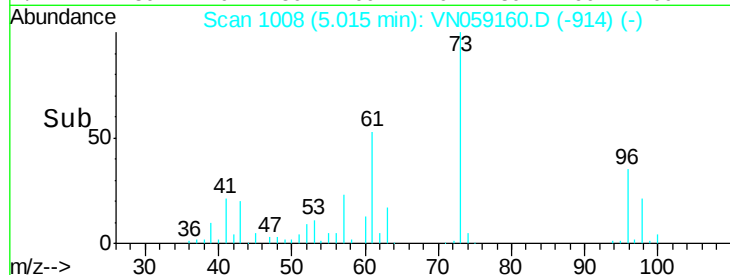
96 100

61 150.4 122.6 183.8

98 60.2 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059160.D (-914) (-)



#22

Diisopropyl ether

Concen: 19.846 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Tgt Ion: 45 Resp: 326959

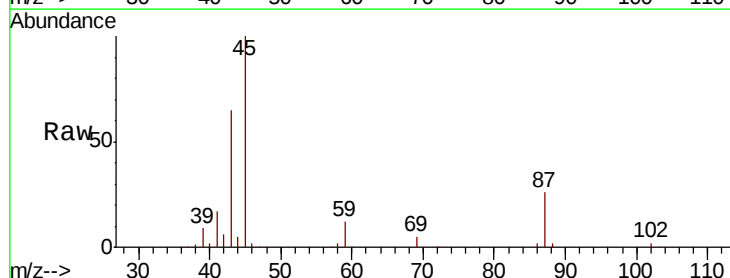
Ion Ratio Lower Upper

45 100

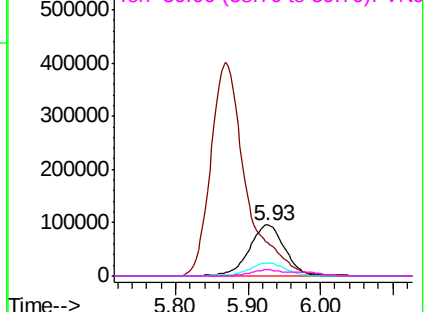
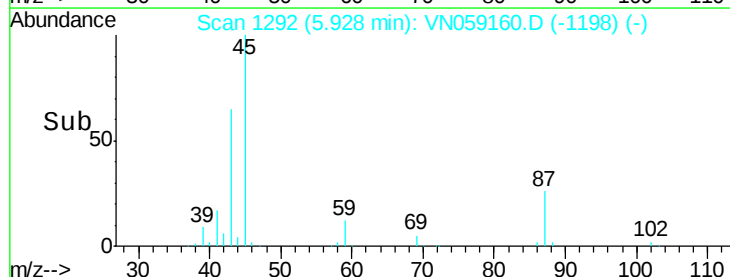
43 63.6 46.7 70.1

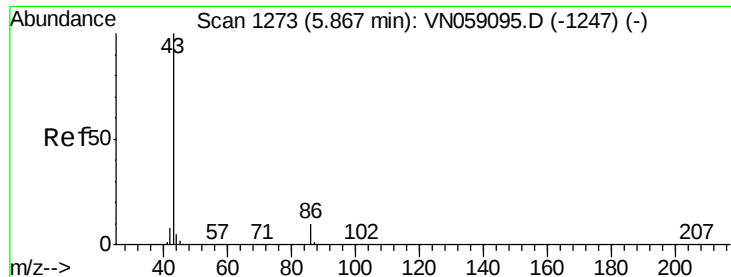
87 25.9 20.5 30.7

59 11.7 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN059160.D (-1198) (-)





#23

Vinyl Acetate

Concen: 105.269 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

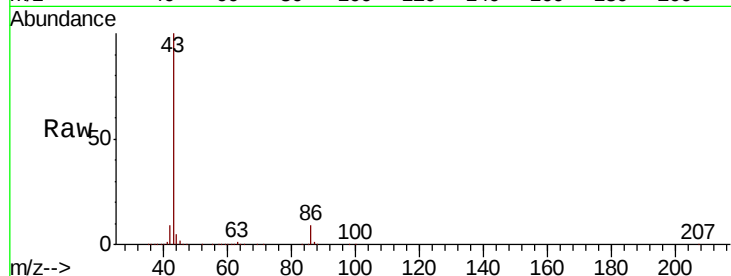
VN1111WBSD01

Tot Ion: 43 Resp: 1344089

Ion Ratio Lower Upper

43 100

86 9.0 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN059160.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059160.D (-1180) (-)

5.87

400000

300000

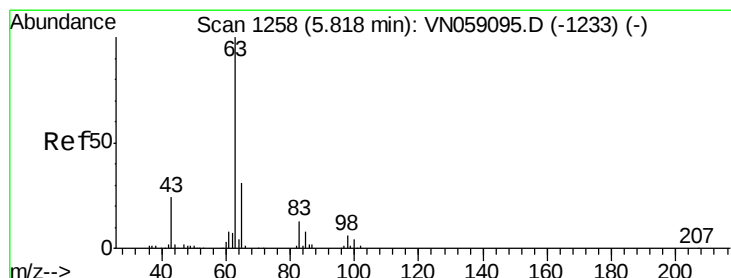
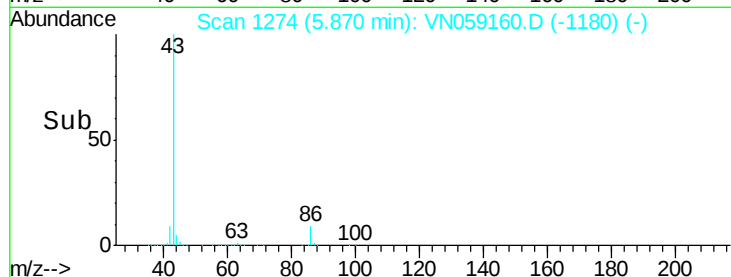
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.561 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

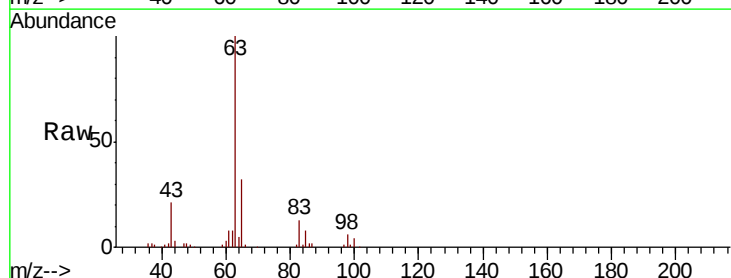
Tgt Ion: 63 Resp: 179988

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN059160.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059160.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059160.D (-1165) (-)

5.82

60000

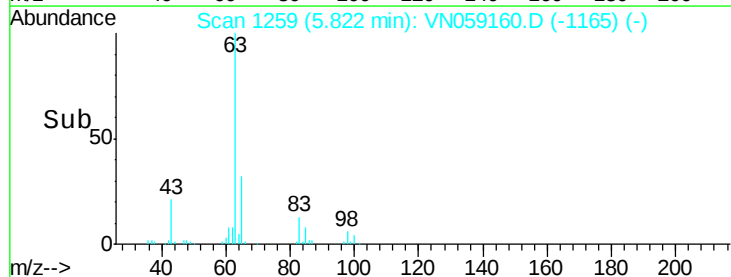
40000

20000

0

5.70 5.80 5.90

Time-->

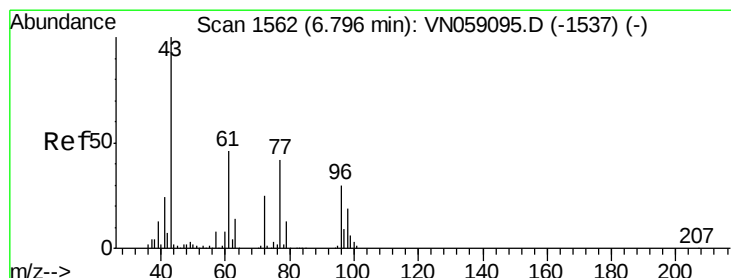
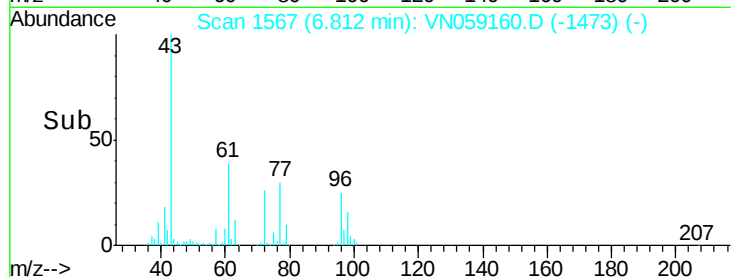
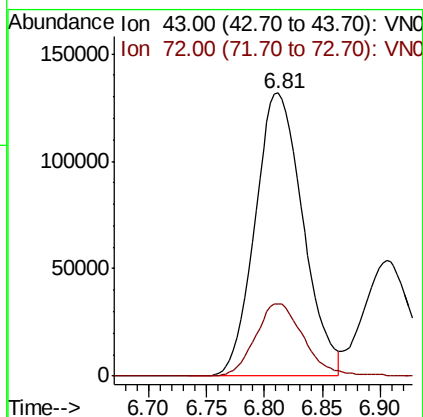
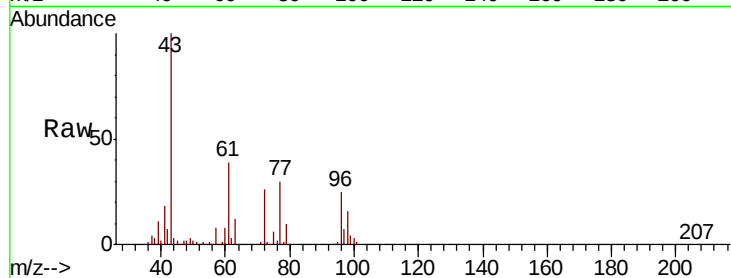




#25
2-Butanone
Concen: 98.494 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

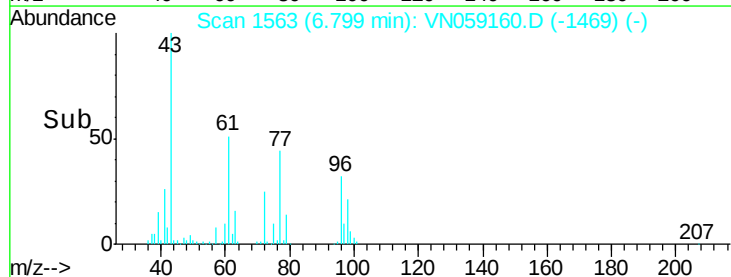
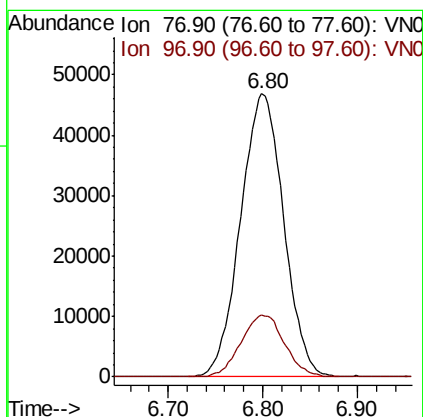
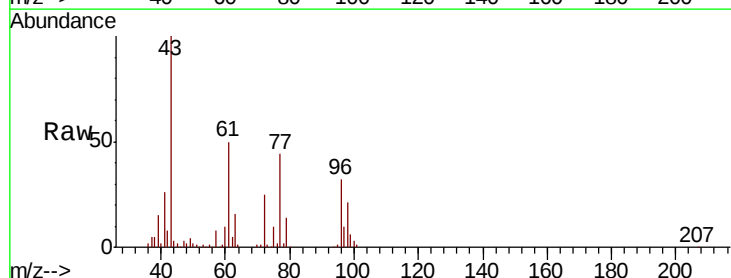
Instrument :
MSVOA_N
ClientSampled :
VN1111WBSD01

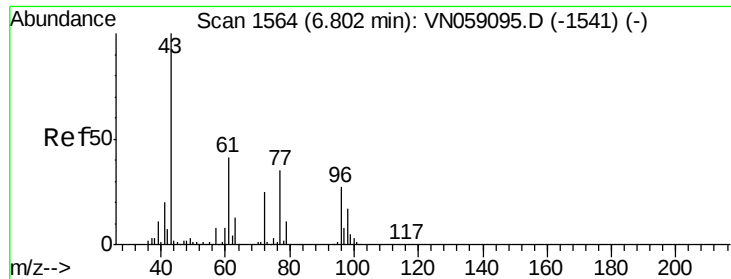
Tot Ion: 43 Resp: 377702
Ion Ratio Lower Upper
43 100
72 25.7 20.3 30.5



#26
2,2-Dichloropropane
Concen: 18.463 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 77 Resp: 148552
Ion Ratio Lower Upper
77 100
97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.592 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

VN1111WBSD01

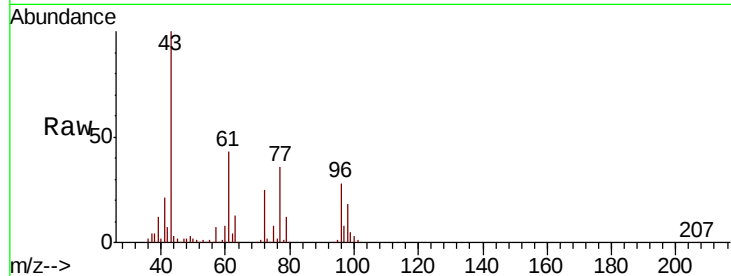
Tot Ion: 96 Resp: 103598

Ion Ratio Lower Upper

96 100

61 155.8 0.0 311.6

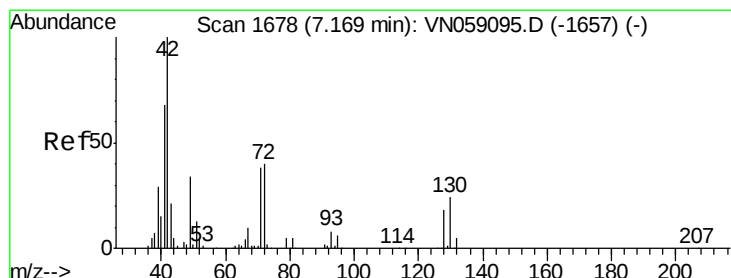
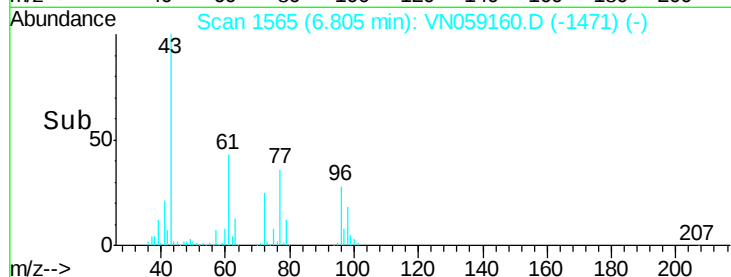
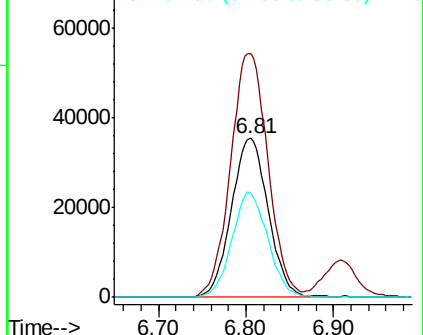
98 64.4 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059160.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059160.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059160.D (-1471) (-)



#28

Bromochloromethane

Concen: 20.903 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

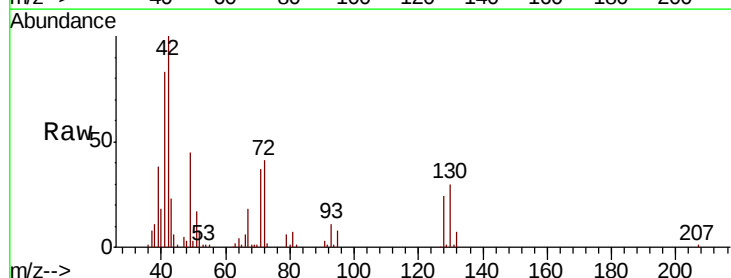
Tgt Ion: 49 Resp: 57866

Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

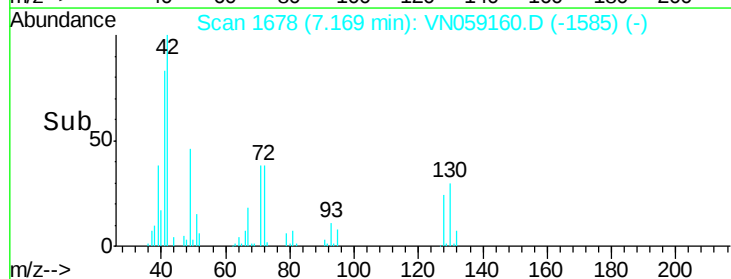
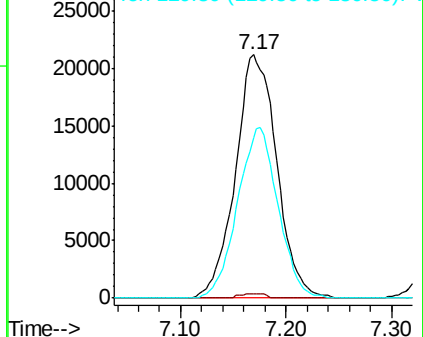
130 68.4 55.6 83.4

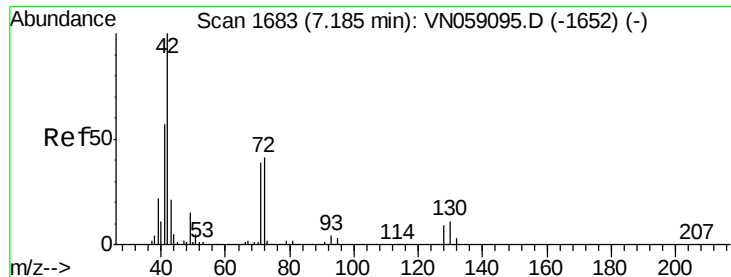


Abundance Ion 48.90 (48.60 to 49.60): VN059160.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059160.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059160.D (-1585) (-)

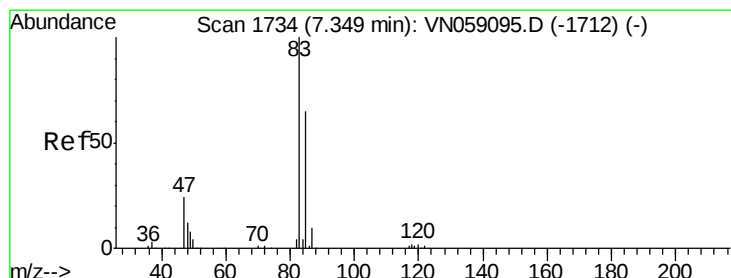
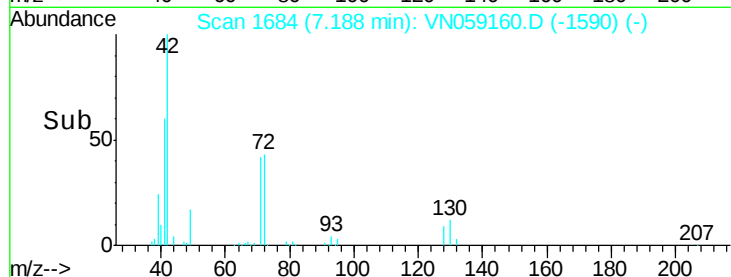
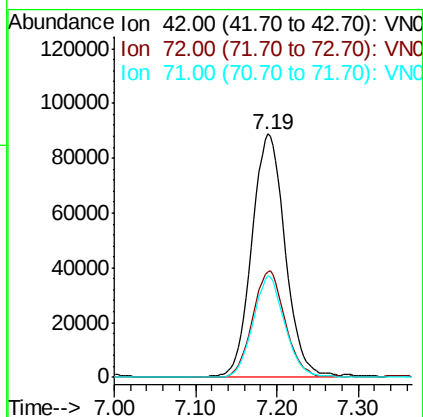
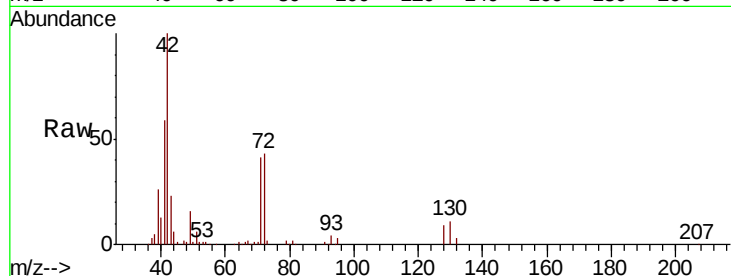




#29
Tetrahydrofuran
Concen: 103.085 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

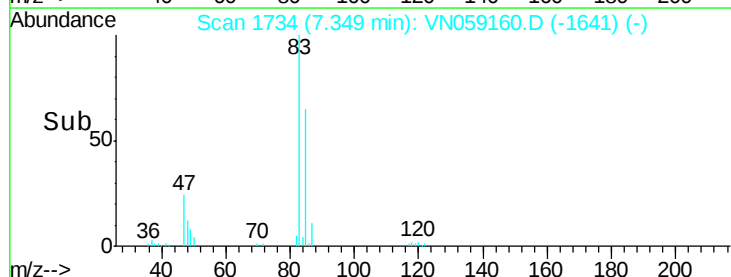
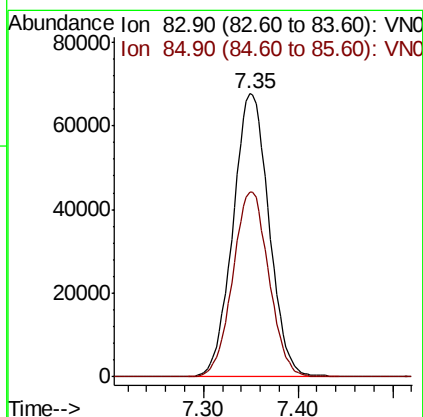
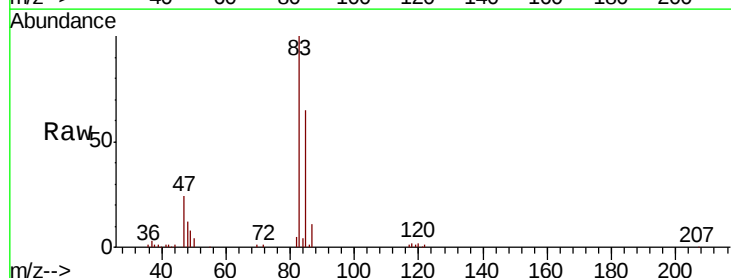
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

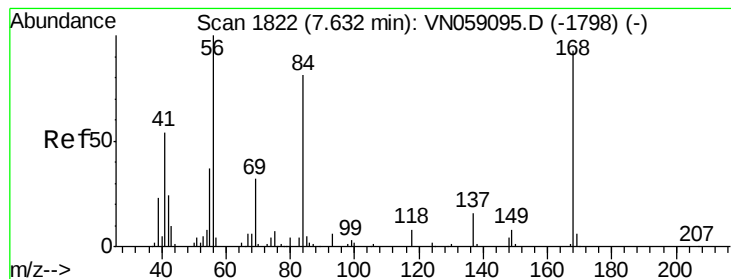
Tot Ion: 42 Resp: 251178
Ion Ratio Lower Upper
42 100
72 42.8 33.1 49.7
71 39.7 30.9 46.3



#30
Chloroform
Concen: 20.317 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 83 Resp: 179336
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.8





#31

Cyclohexane

Concen: 18.504 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

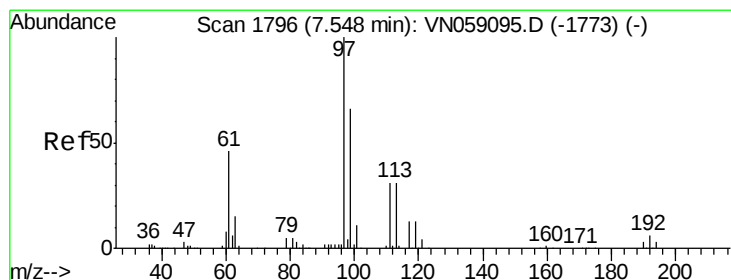
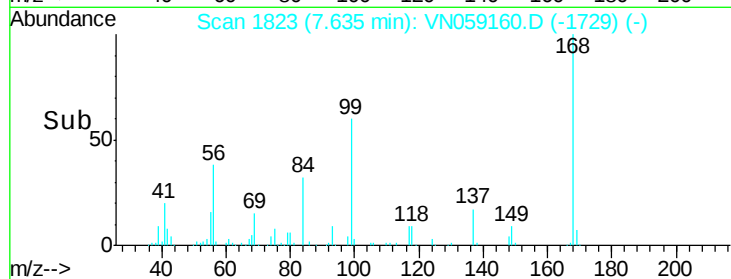
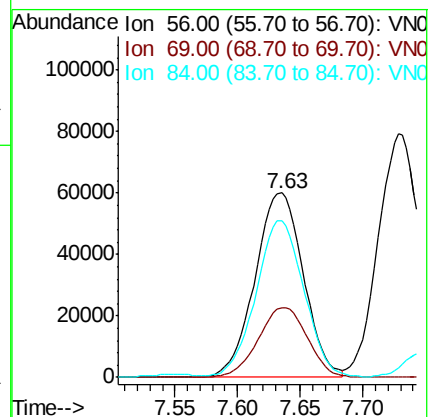
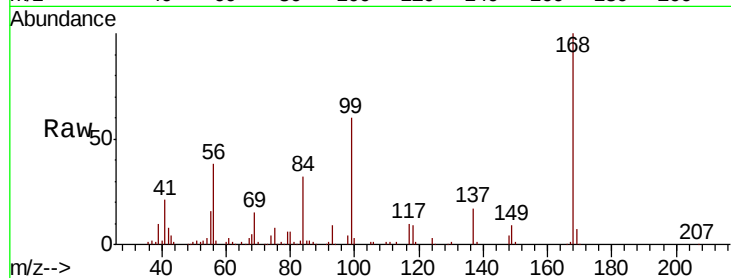
Tot Ion: 56 Resp: 161183

Ion Ratio Lower Upper

56 100

69 38.1 25.8 38.8

84 83.8 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.571 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

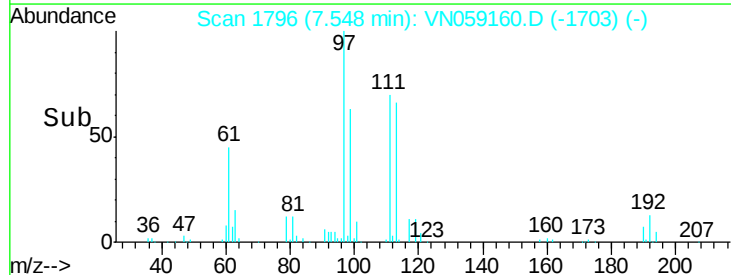
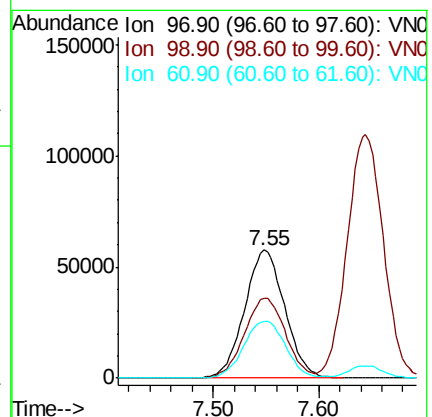
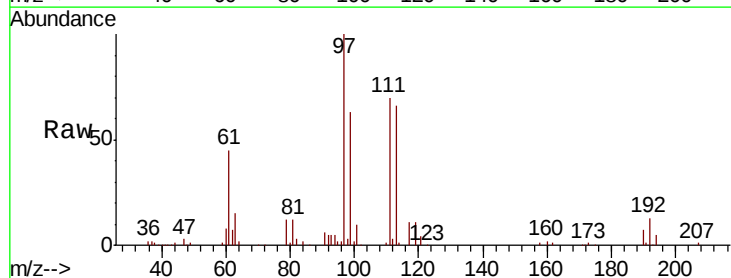
Tgt Ion: 97 Resp: 152662

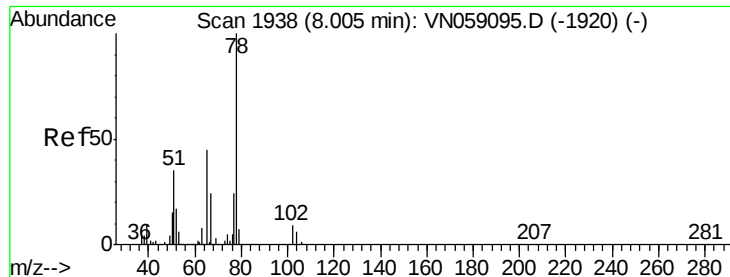
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 46.3 35.8 53.8

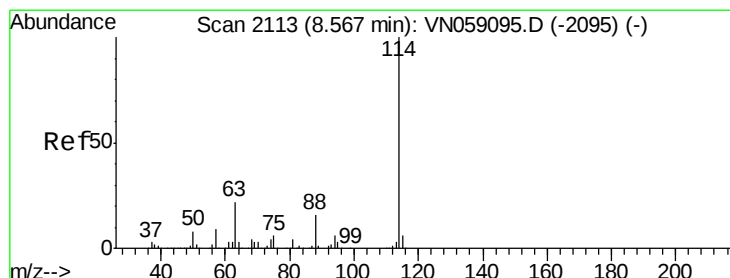
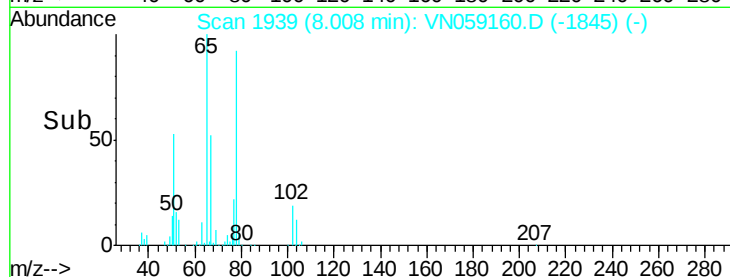
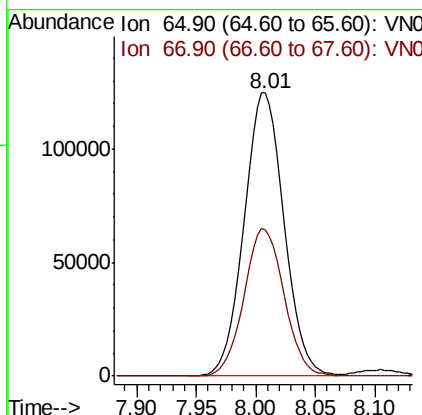
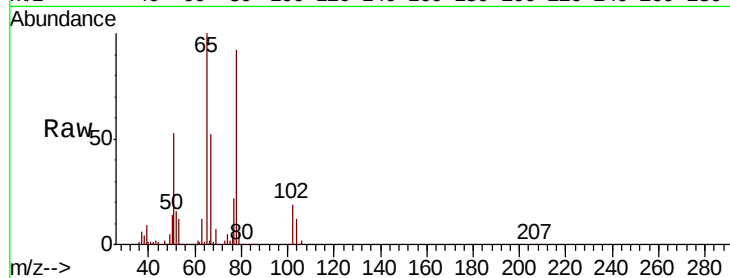




#33
 1,2-Dichloroethane-d4
 Concen: 51.814 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

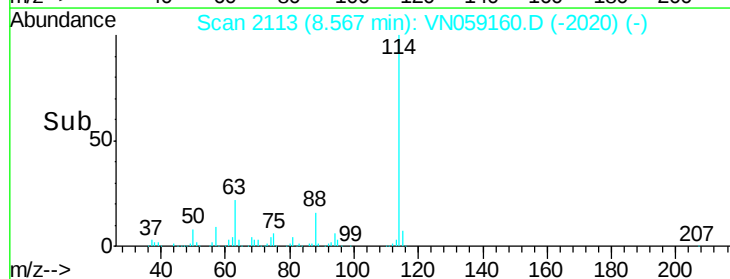
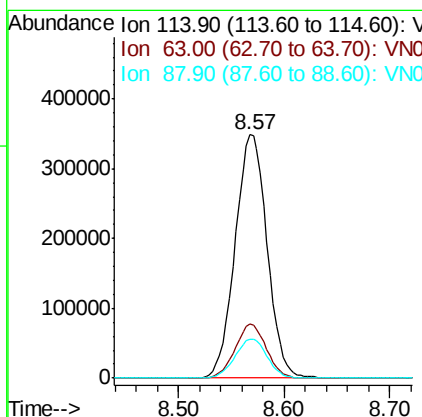
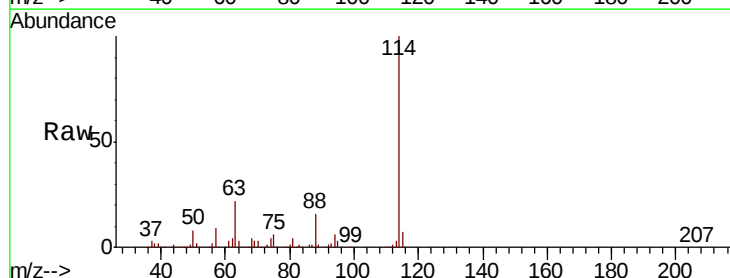
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBSD01

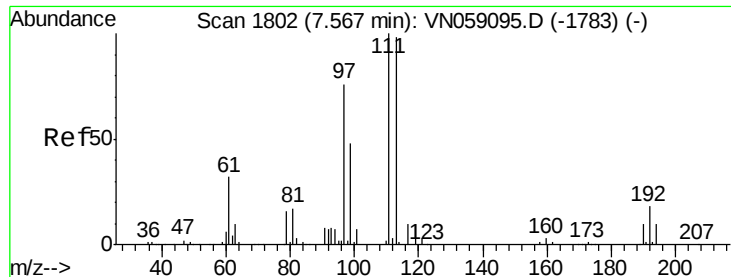
Tot Ion: 65 Resp: 289919
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 114 Resp: 732080
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.4
 88 15.9 0.0 32.2

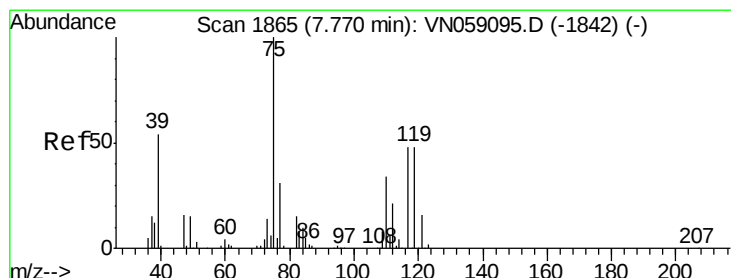
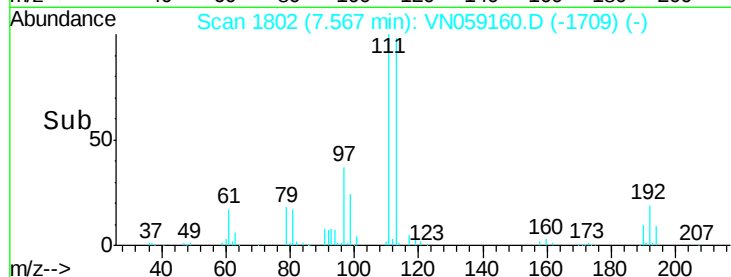
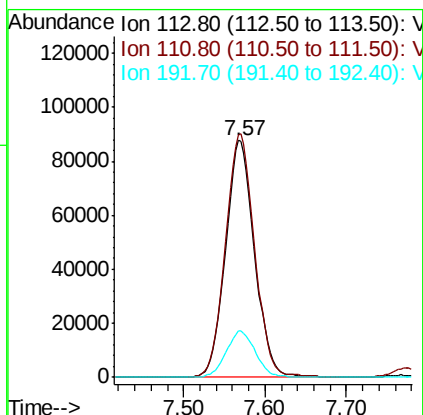
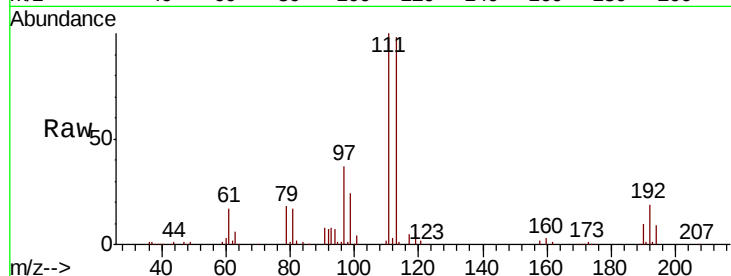




#35
 Dibromofluoromethane
 Concen: 49.982 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

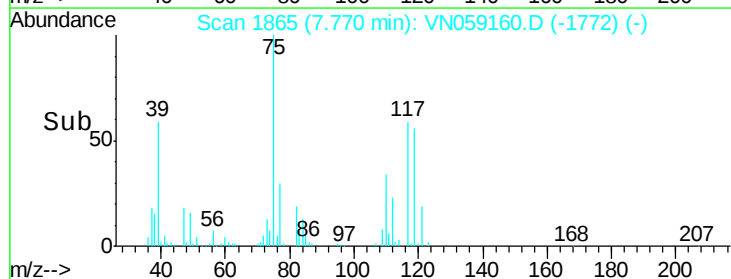
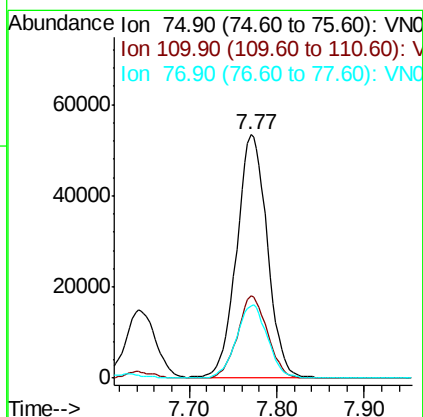
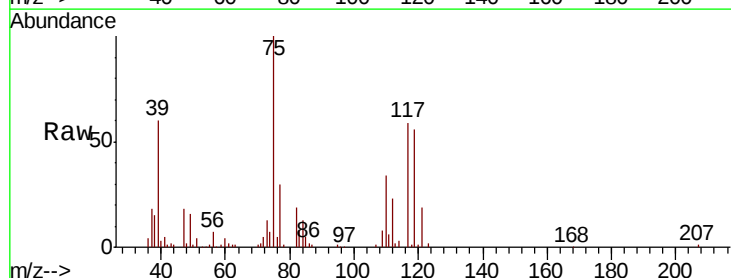
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBSD01

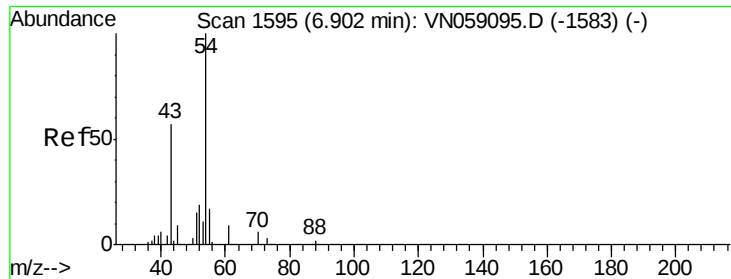
Tot Ion:113 Resp: 218481
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 19.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 18.996 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 75 Resp: 129989
 Ion Ratio Lower Upper
 75 100
 110 32.9 17.1 51.2
 77 30.7 24.8 37.2

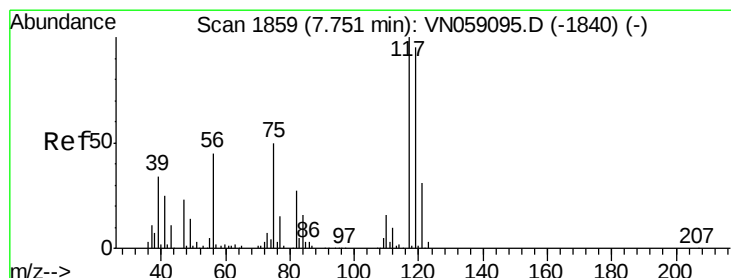
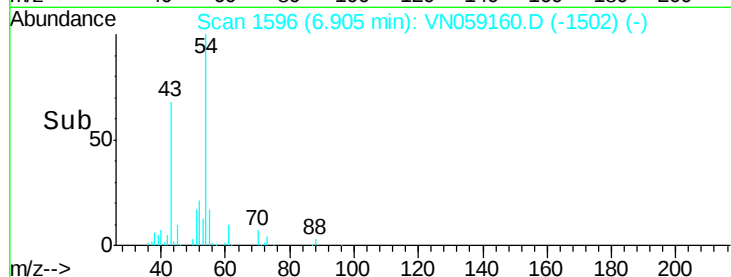
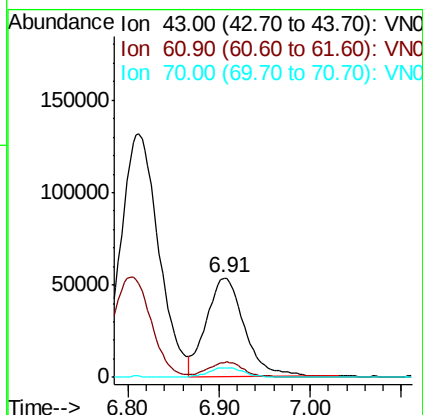
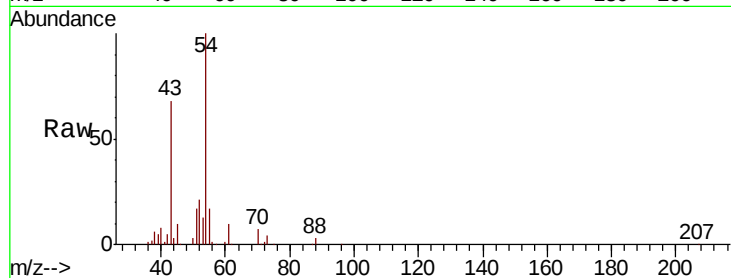




#37
Ethyl Acetate
Concen: 20.442 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

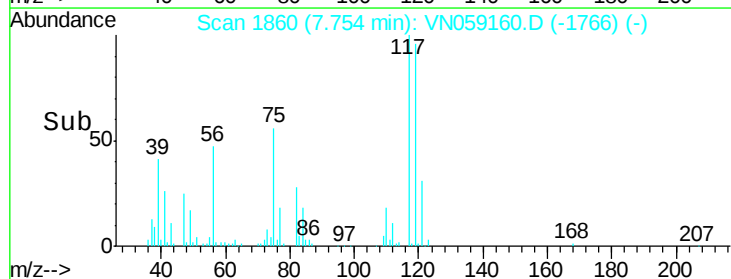
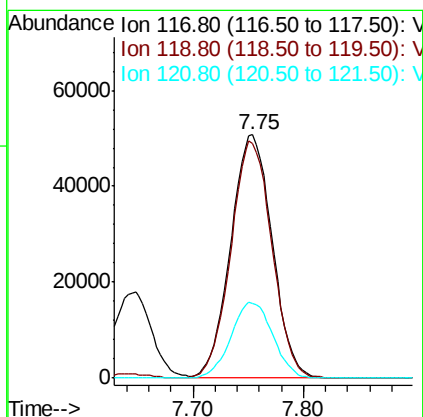
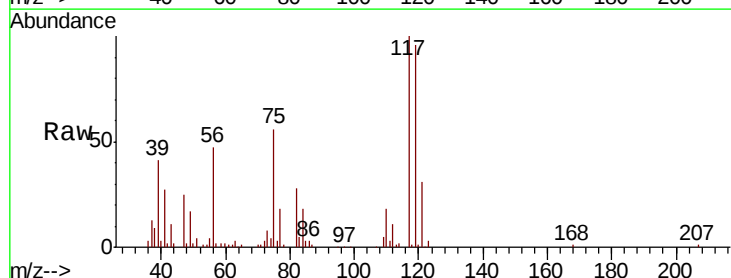
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

Tot Ion: 43 Resp: 155616
Ion Ratio Lower Upper
43 100
61 14.4 11.2 16.8
70 9.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.448 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 117 Resp: 132459
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4
121 30.8 24.6 36.8

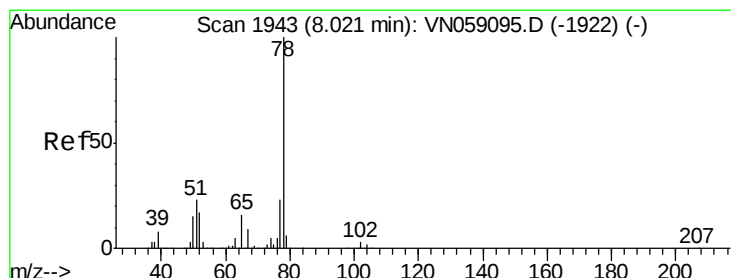
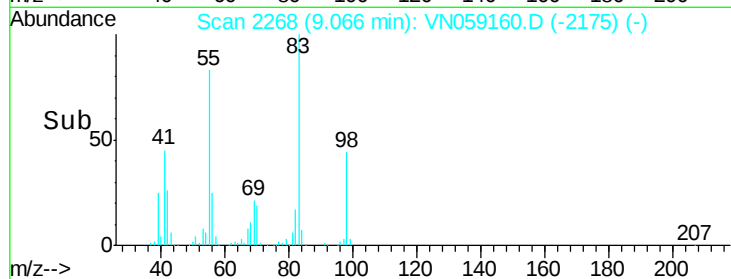
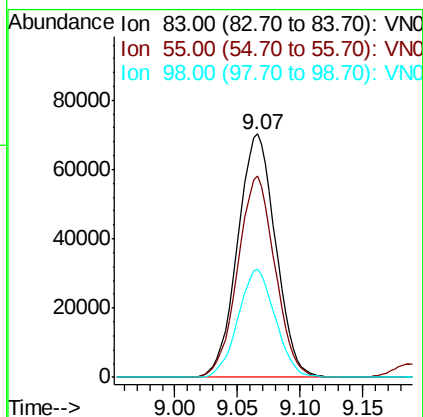
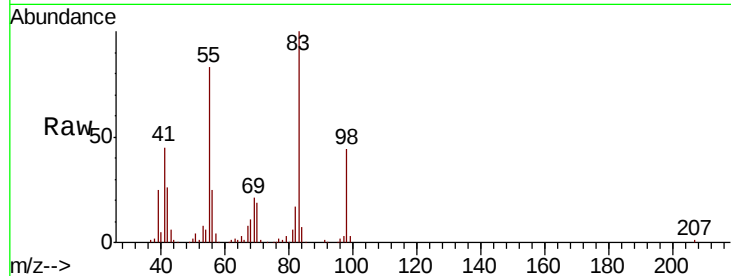




#39
Methvlcvclohexane
Concen: 18.699 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

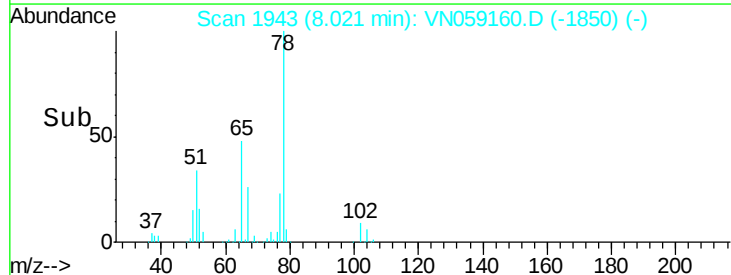
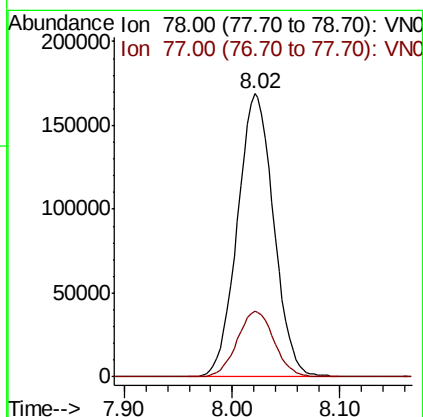
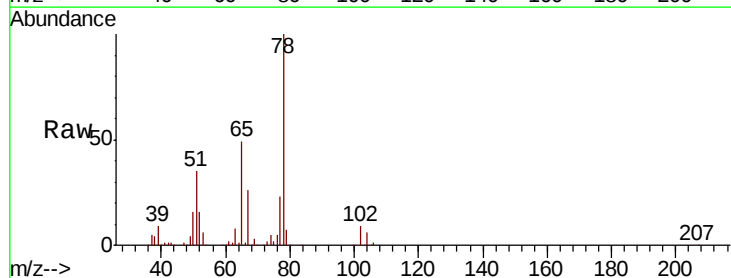
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

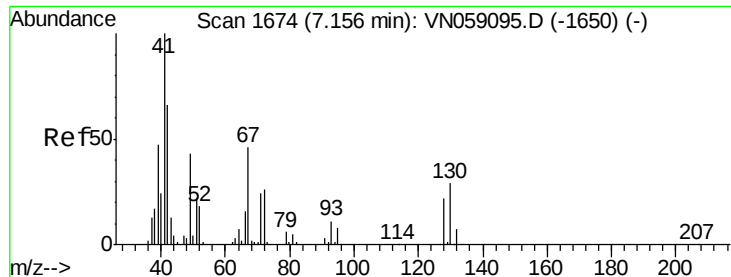
Tot Ion: 83 Resp: 148500
Ion Ratio Lower Upper
83 100
55 82.7 63.9 95.9
98 44.5 35.6 53.4



#40
Benzene
Concen: 19.188 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 78 Resp: 395400
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

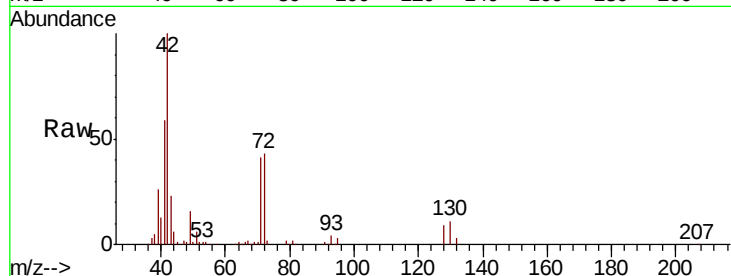




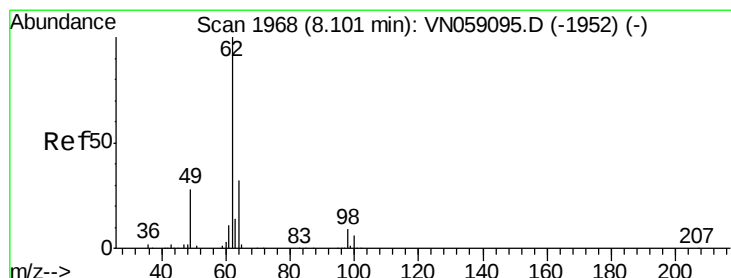
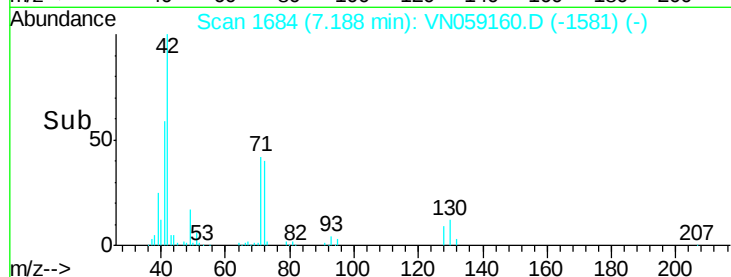
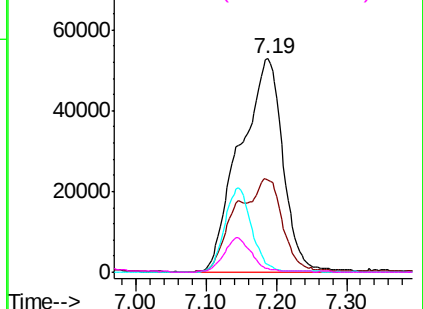
#41
Methacrylonitrile
Concen: 68.113 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

Tot Ion:	41	Resp:	225470
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

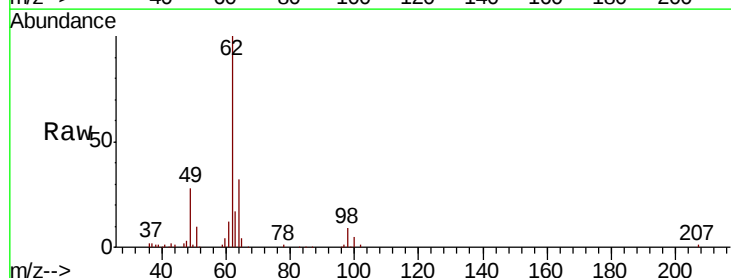


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

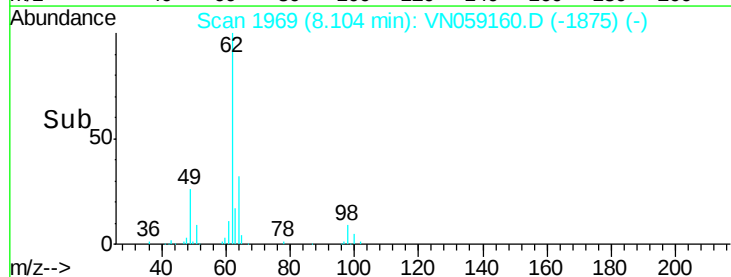
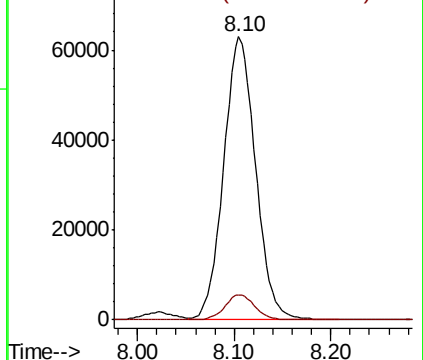


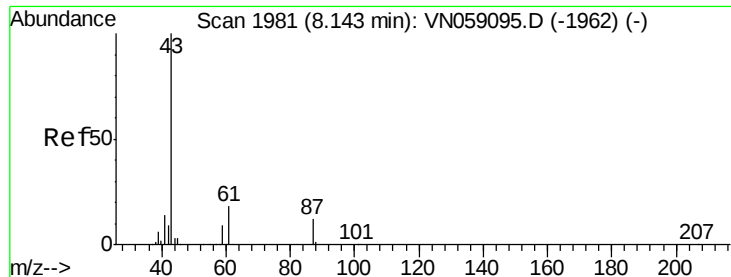
#42
1,2-Dichloroethane
Concen: 20.390 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion:	62	Resp:	144103
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 19.651 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

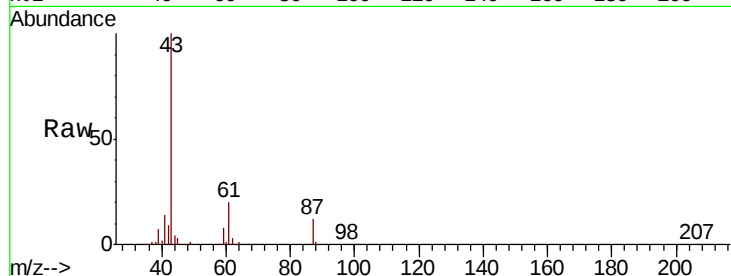
Tot Ion: 43 Resp: 238489

Ion Ratio Lower Upper

43 100

61 20.6 21.0 31.6#

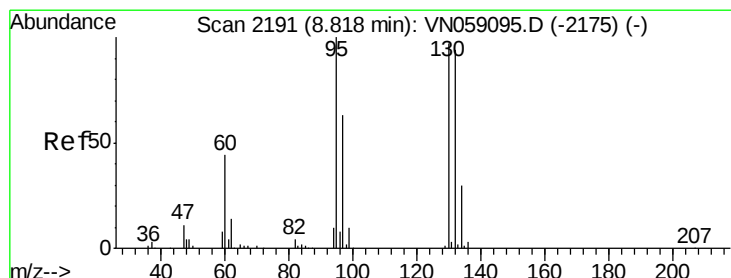
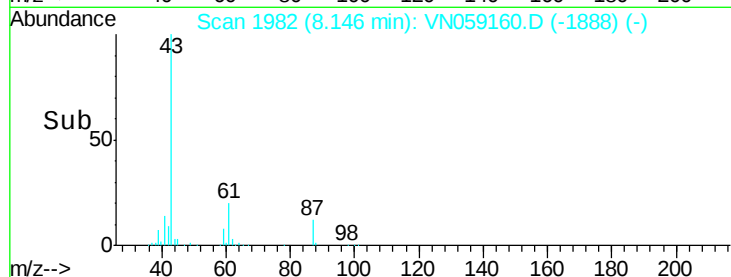
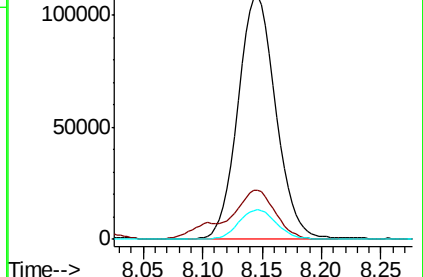
87 12.3 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059160.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059160.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059160.D (-1888) (-)



#44

Trichloroethene

Concen: 19.013 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059160.D

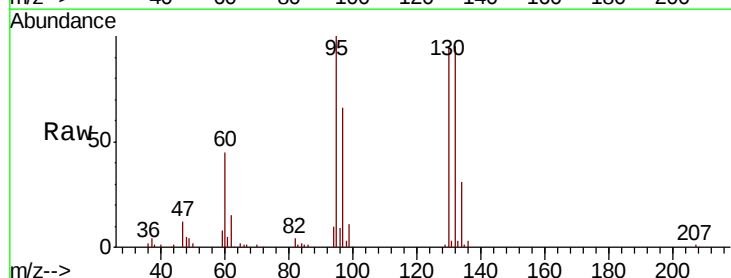
Acq: 11 Nov 2019 14:53

Tgt Ion:130 Resp: 96305

Ion Ratio Lower Upper

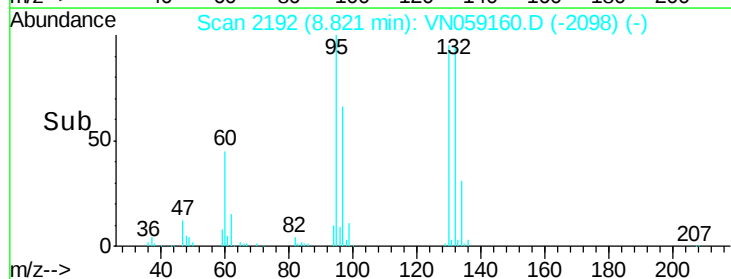
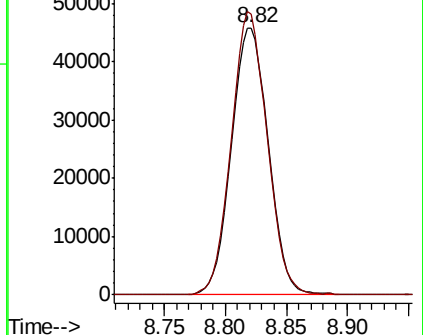
130 100

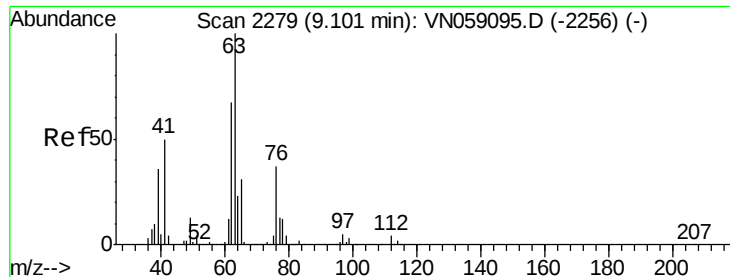
95 104.8 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059160.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059160.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 19.250 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

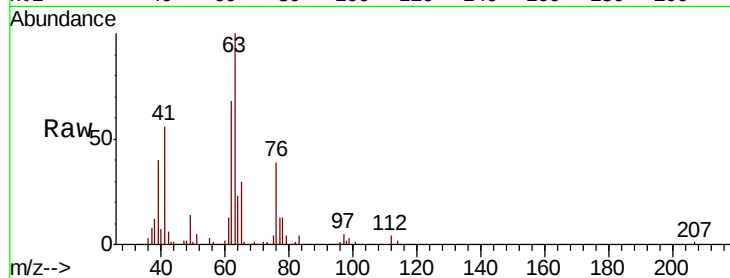
VN1111WBSD01

Tot Ion: 63 Resp: 107742

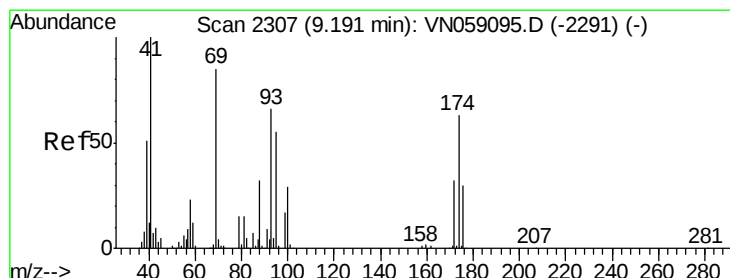
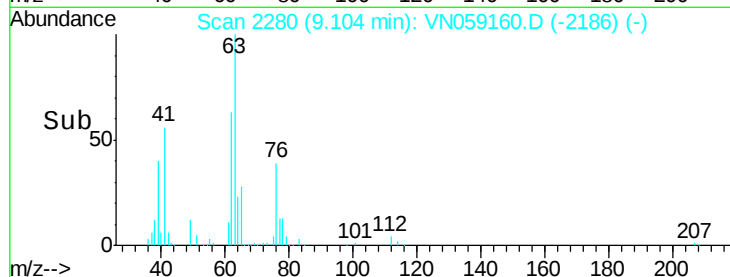
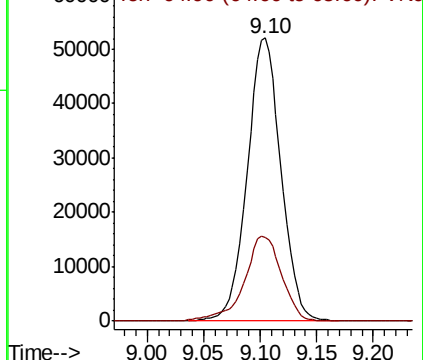
Ion Ratio Lower Upper

63 100

65 29.5 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.406 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

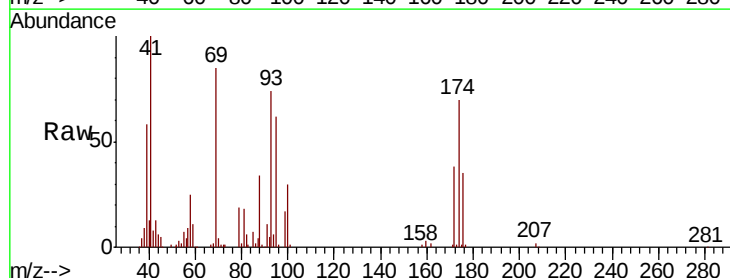
Tgt Ion: 93 Resp: 67682

Ion Ratio Lower Upper

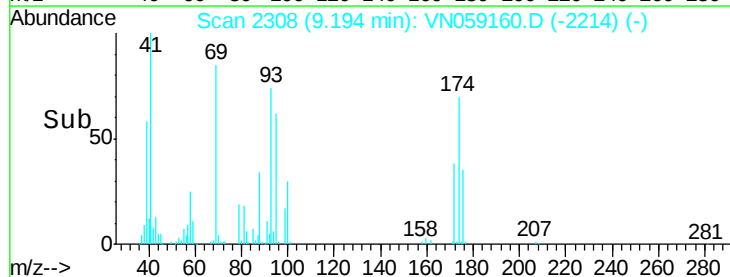
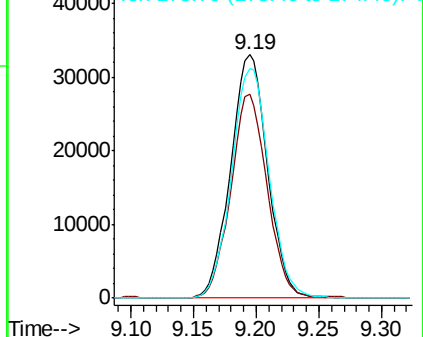
93 100

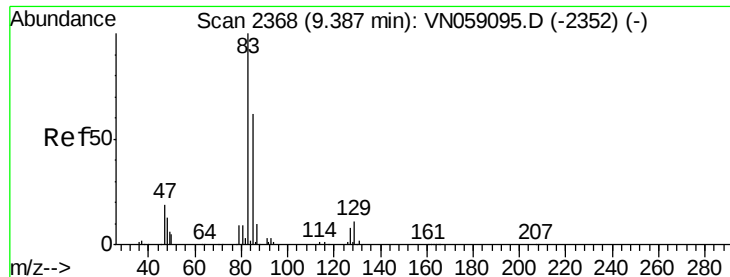
95 82.4 66.6 100.0

174 96.4 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.843 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

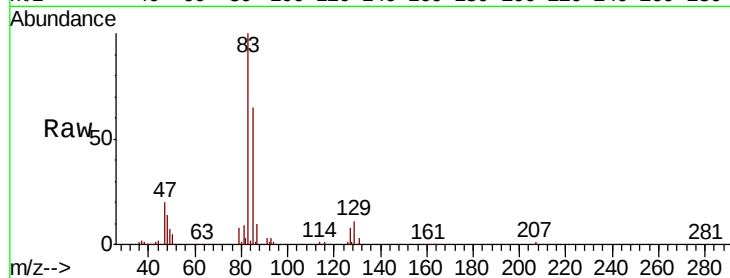
Tot Ion: 83 Resp: 138196

Ion Ratio Lower Upper

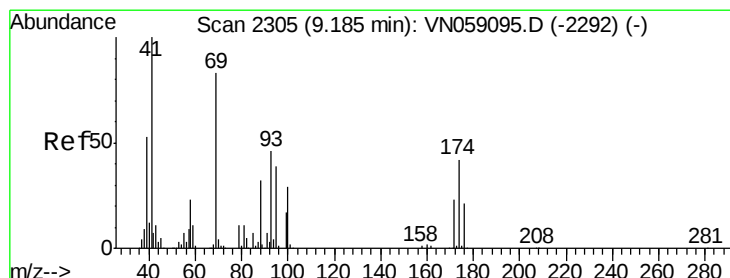
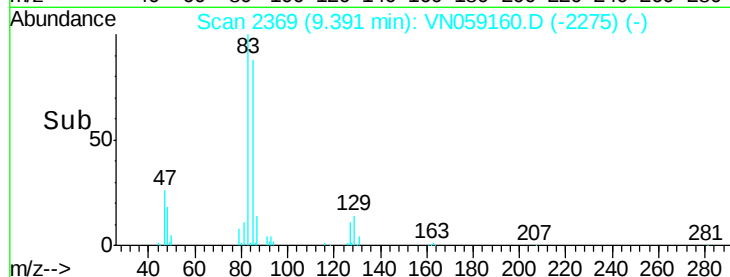
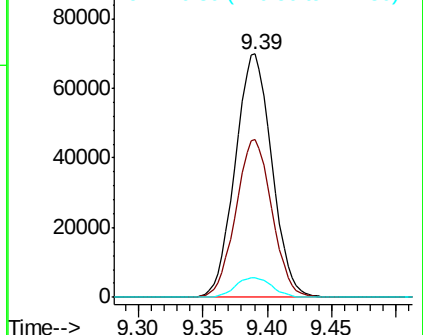
83 100

85 64.7 49.7 74.5

127 7.9 6.4 9.6



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: 19.389 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

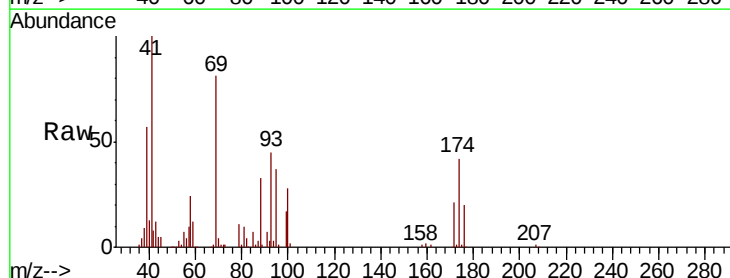
Tgt Ion: 41 Resp: 105253

Ion Ratio Lower Upper

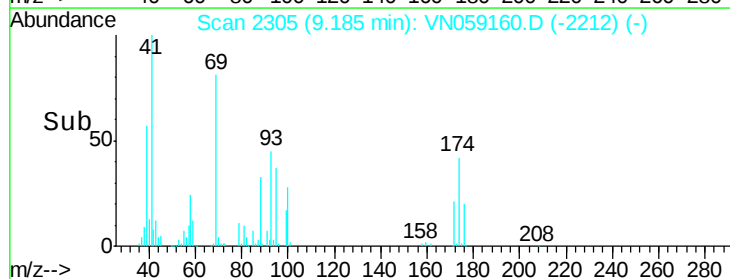
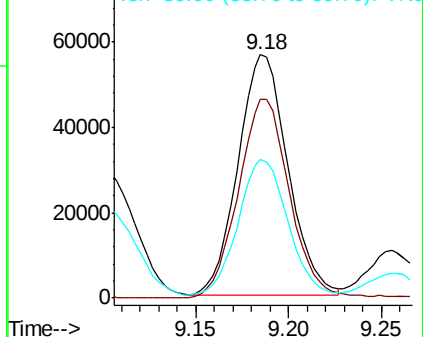
41 100

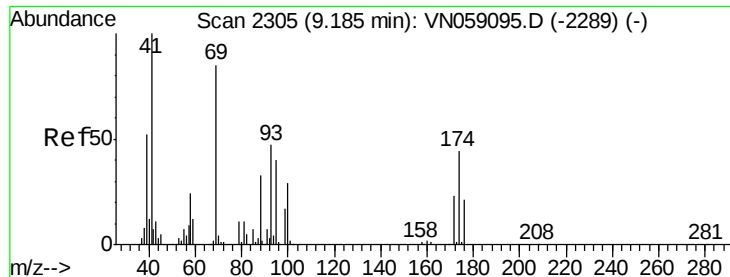
69 84.8 67.3 100.9

39 58.4 43.3 64.9



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: 405.466 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

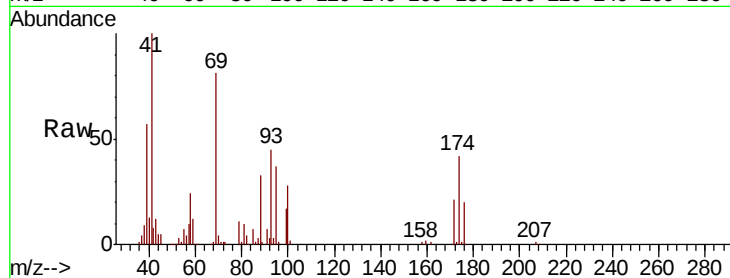
Tot Ion: 88 Resp: 39116

Ion Ratio Lower Upper

88 100

43 36.6 26.3 39.5

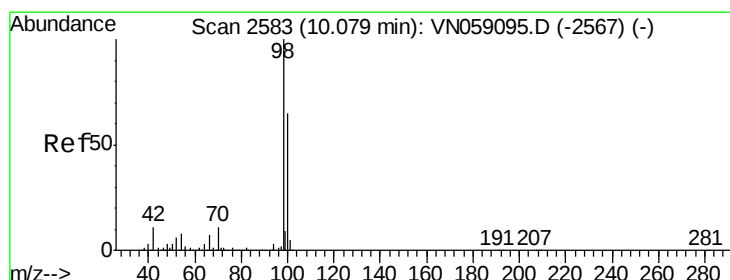
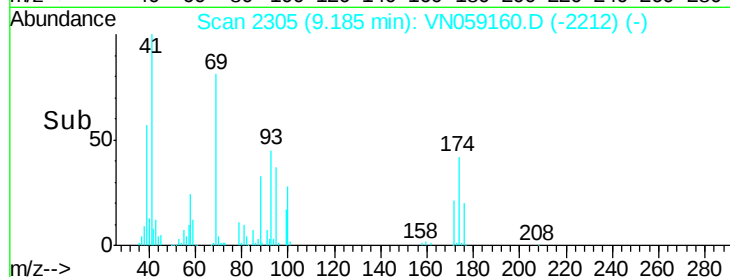
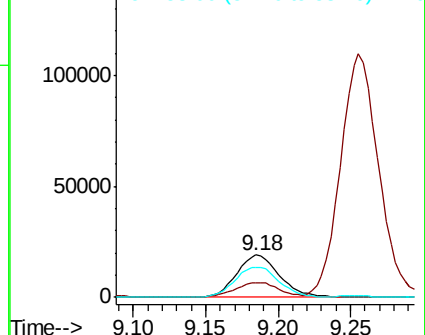
58 74.0 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VN059160.D (-2212) (-)

Ion 43.00 (42.70 to 43.70): VN059160.D (-2212) (-)

Ion 58.00 (57.70 to 58.70): VN059160.D (-2212) (-)



#50

Toluene-d8

Concen: 48.588 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059160.D

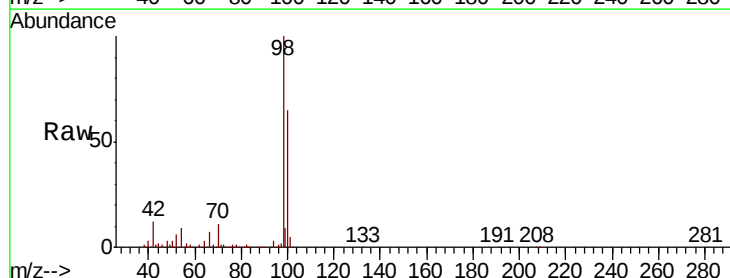
Acq: 11 Nov 2019 14:53

Tgt Ion: 98 Resp: 836576

Ion Ratio Lower Upper

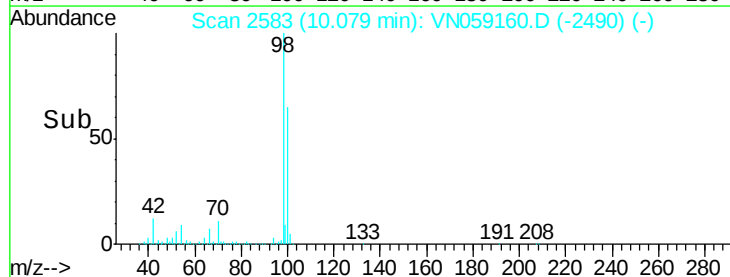
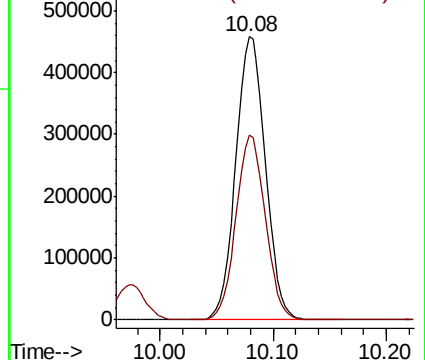
98 100

100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059160.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059160.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 112.124 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

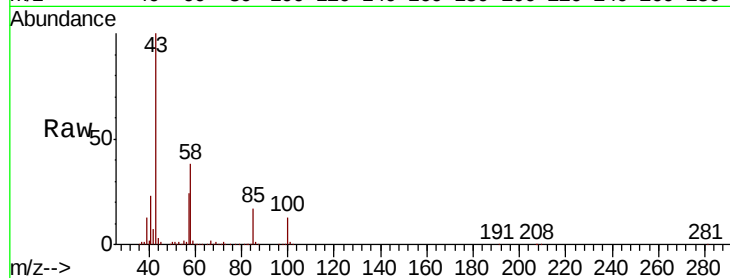
VN1111WBSD01

Tot Ion: 43 Resp: 769947

Ion Ratio Lower Upper

43 100

58 38.2 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

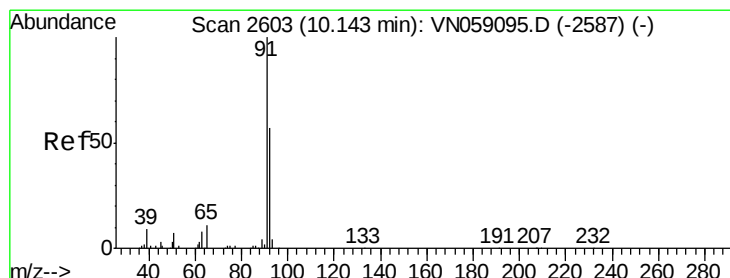
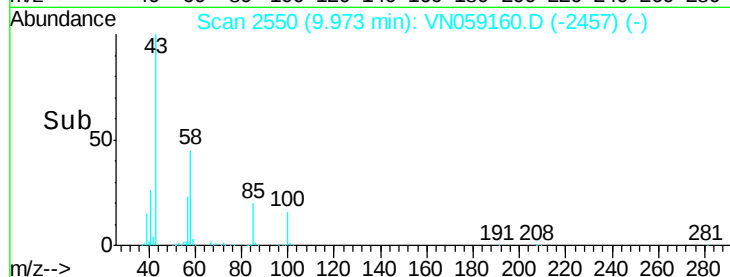
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.514 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059160.D

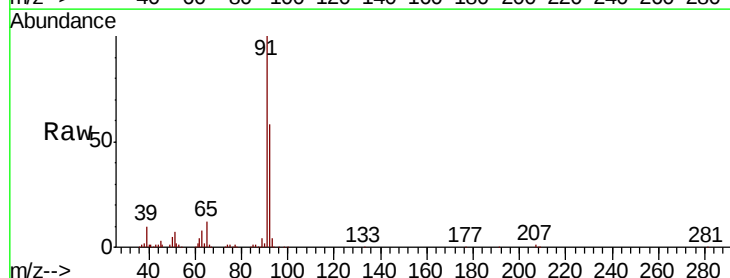
Acq: 11 Nov 2019 14:53

Tgt Ion: 92 Resp: 241008

Ion Ratio Lower Upper

92 100

91 174.0 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.15

250000

200000

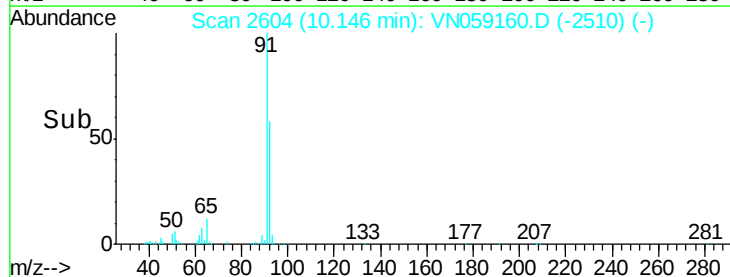
150000

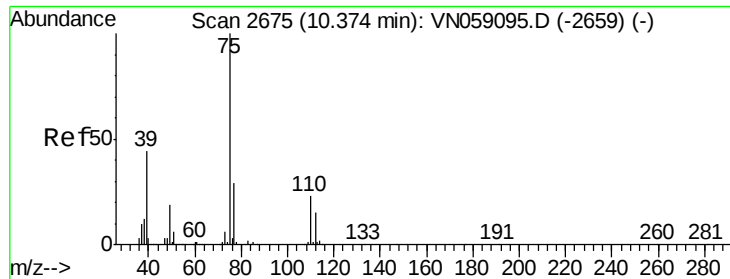
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.980 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

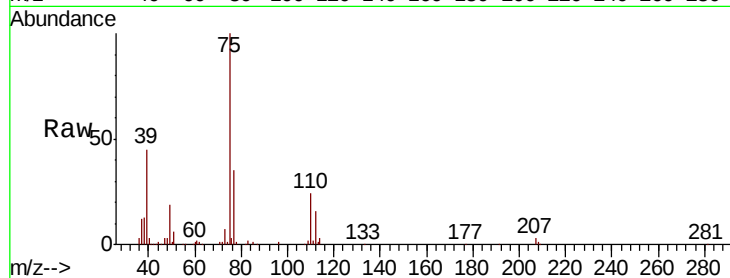
VN1111WBSD01

Tot Ion: 75 Resp: 152720

Ion Ratio Lower Upper

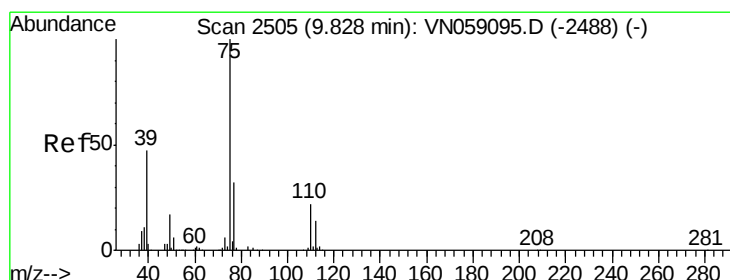
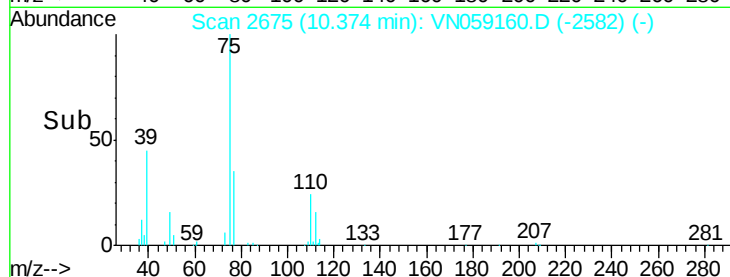
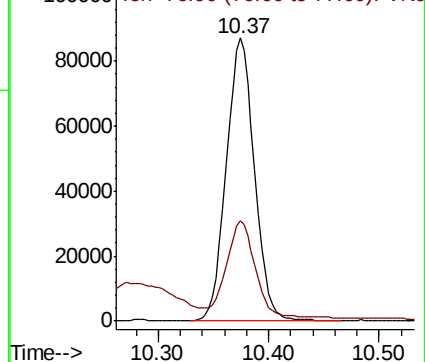
75 100

77 34.1 25.3 37.9



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: 19.130 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

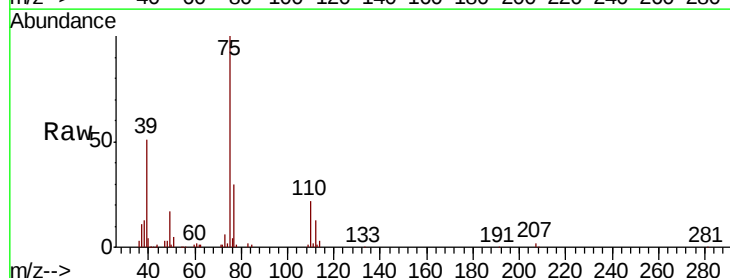
Tgt Ion: 75 Resp: 165569

Ion Ratio Lower Upper

75 100

77 30.2 25.5 38.3

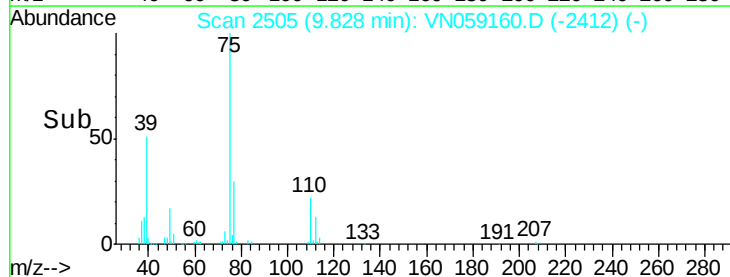
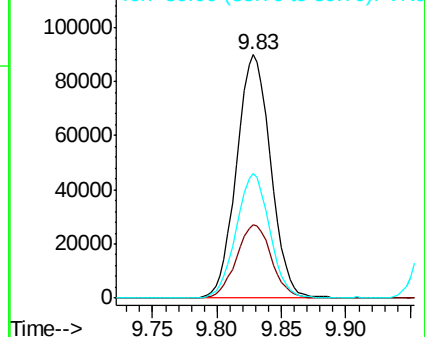
39 51.2 37.3 55.9

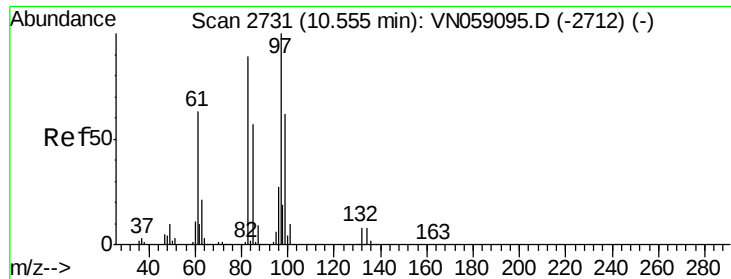


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.357 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

Tot Ion: 97 Resp: 96753

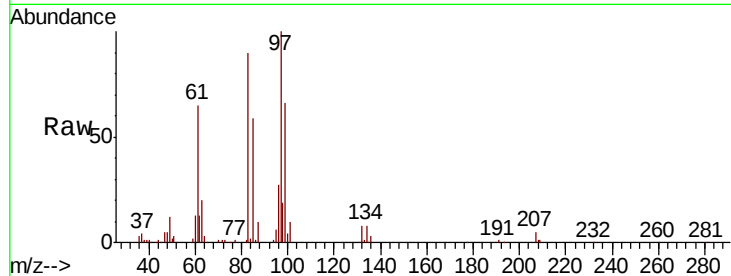
Ion Ratio Lower Upper

97 100

83 90.2 71.0 106.4

85 58.8 45.8 68.8

99 65.8 49.4 74.0

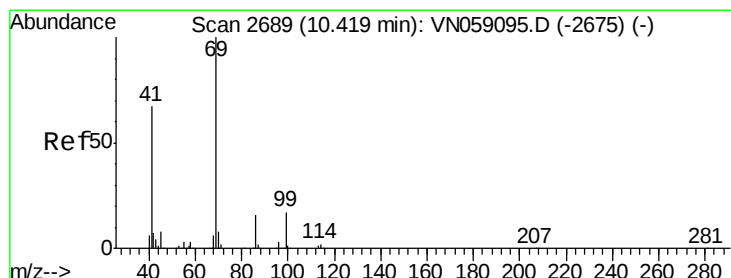
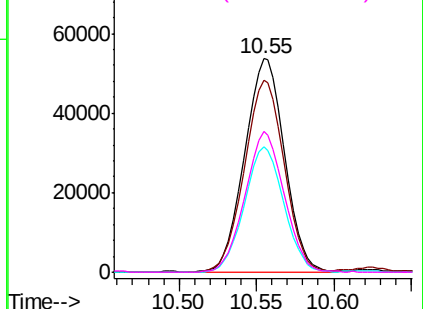
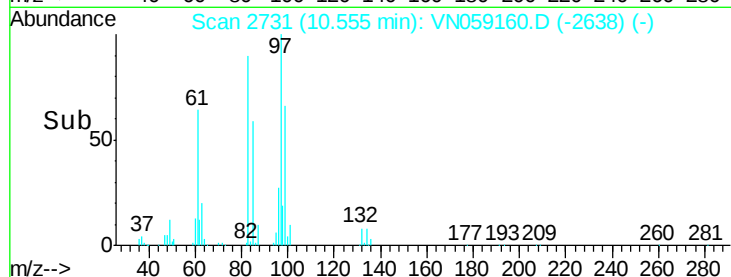


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.877 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

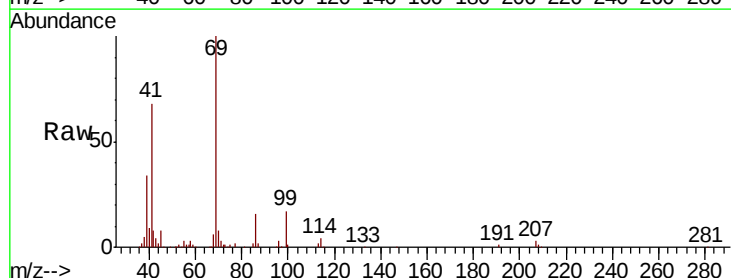
Tgt Ion: 69 Resp: 147272

Ion Ratio Lower Upper

69 100

41 67.9 53.6 80.4

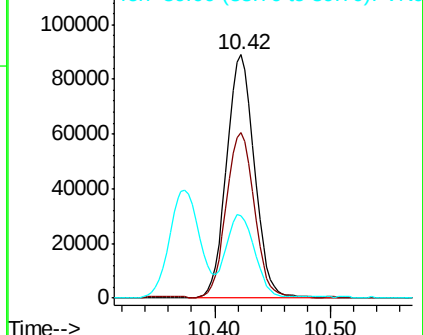
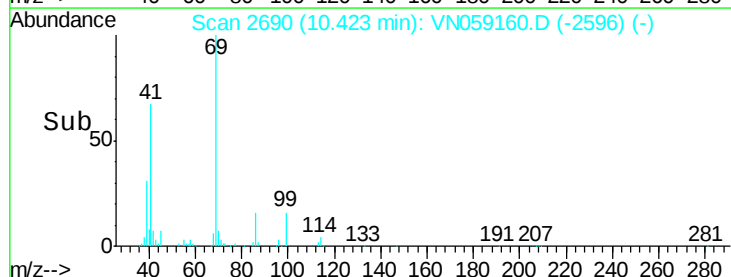
39 34.5 26.2 39.4

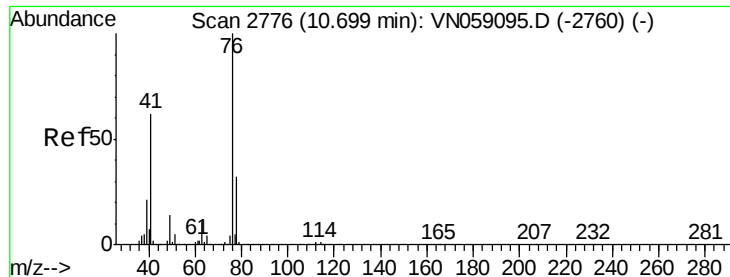


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.798 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

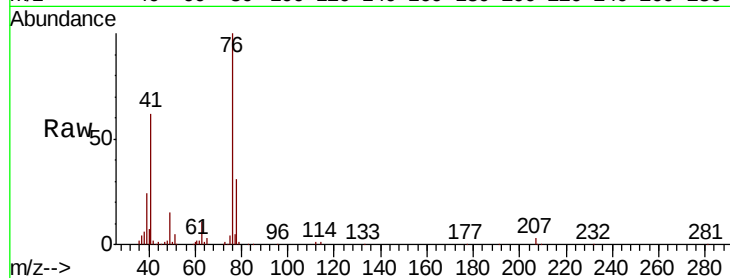
VN1111WBSD01

Tot Ion: 76 Resp: 170320

Ion Ratio Lower Upper

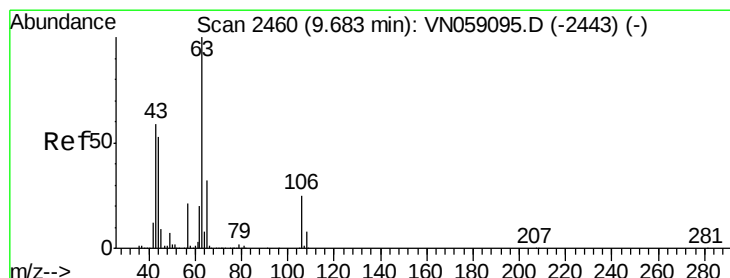
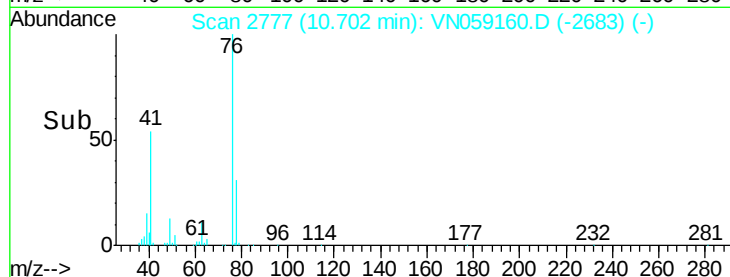
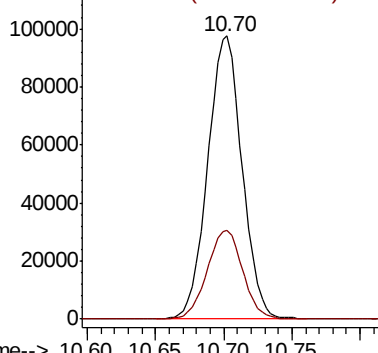
76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.518 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059160.D

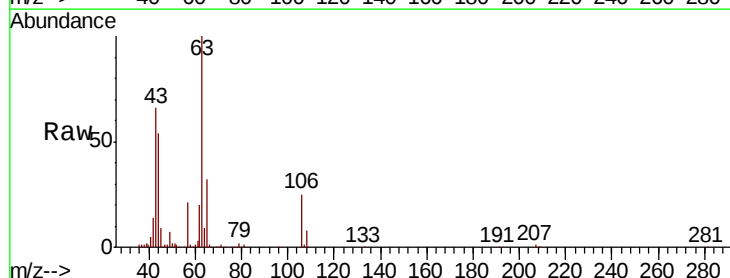
Acq: 11 Nov 2019 14:53

Tgt Ion: 63 Resp: 265707

Ion Ratio Lower Upper

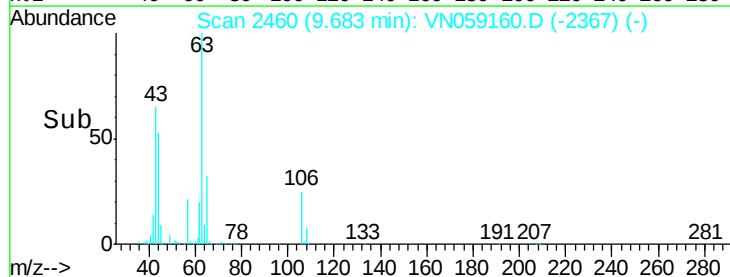
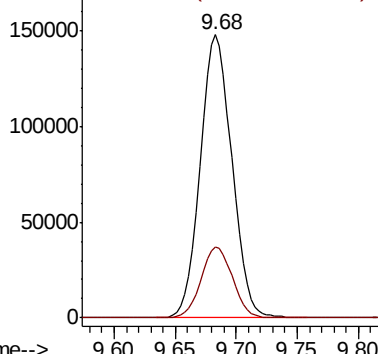
63 100

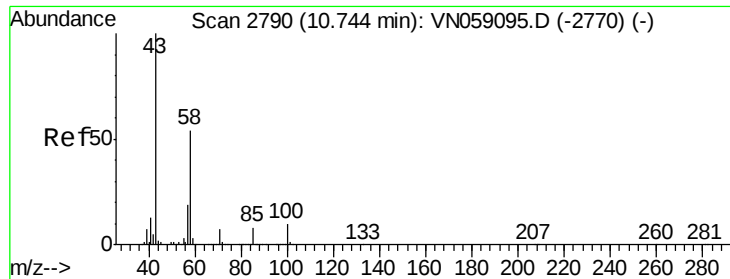
106 24.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

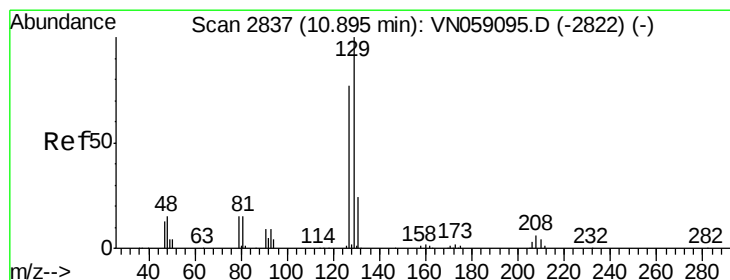
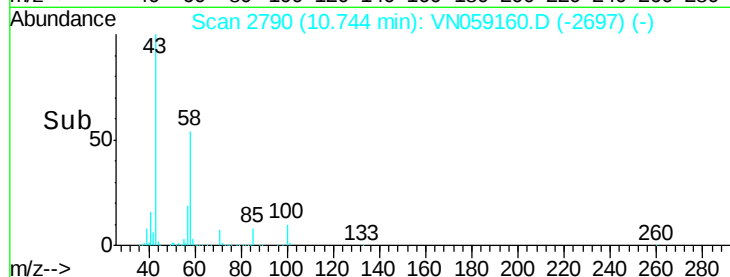
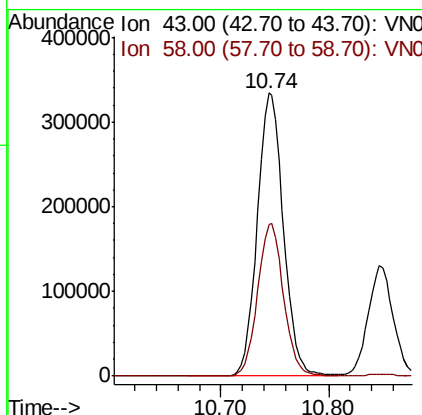
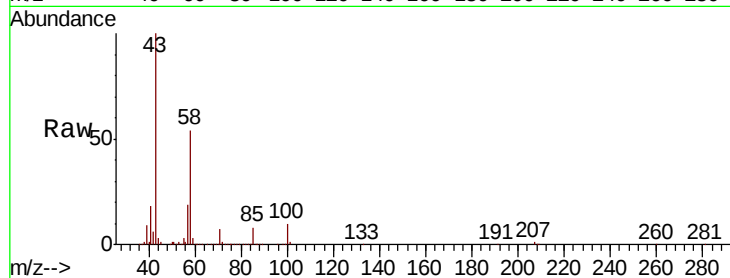




#59
2-Hexanone
Concen: 106.368 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

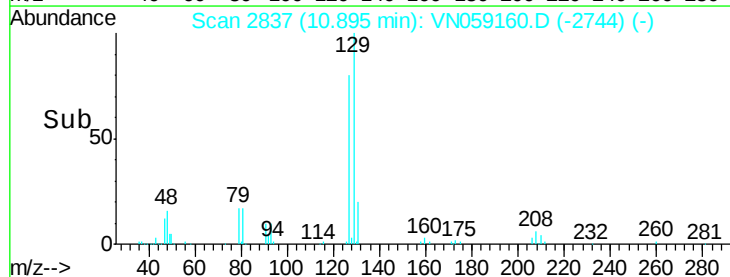
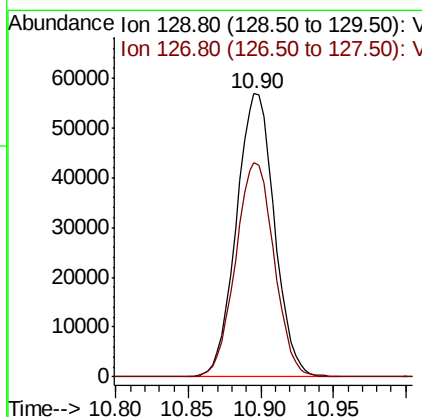
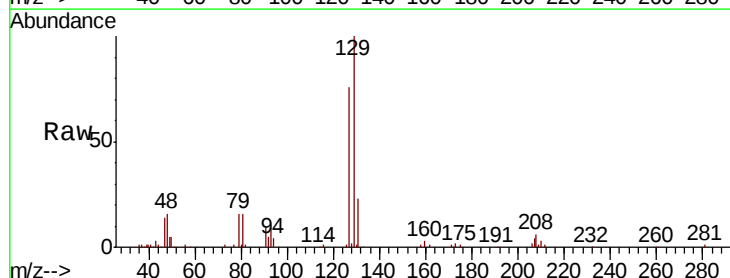
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

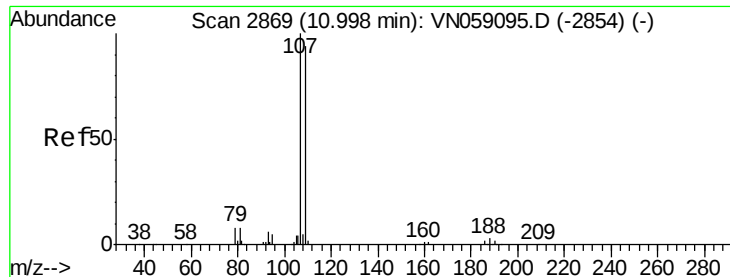
Tot Ion: 43 Resp: 560632
Ion Ratio Lower Upper
43 100
58 53.4 27.3 81.8



#60
Dibromochloromethane
Concen: 19.633 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion: 129 Resp: 103757
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

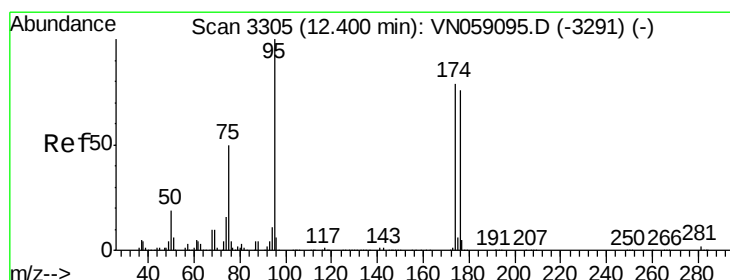
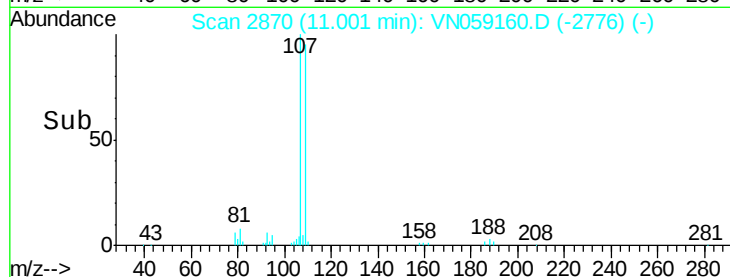
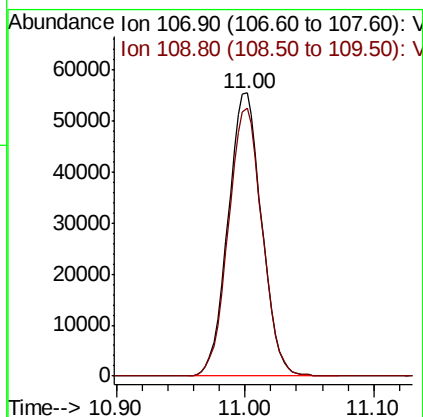
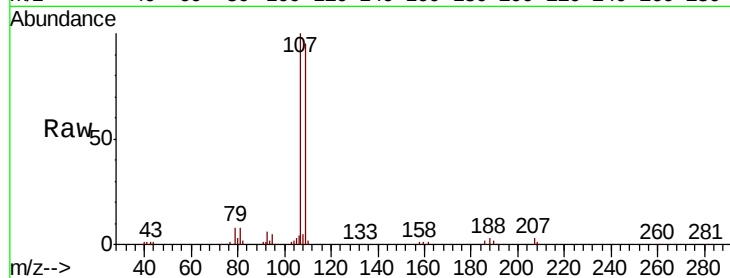




#61
 1,2-Dibromoethane
 Concen: 19.808 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

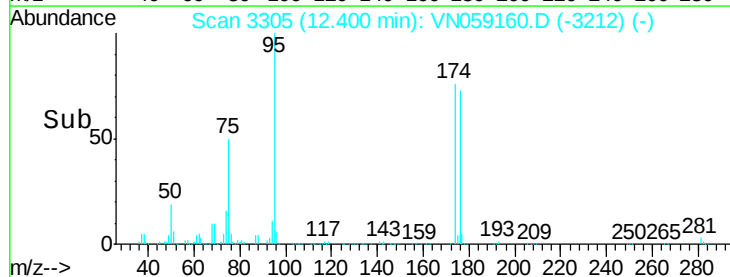
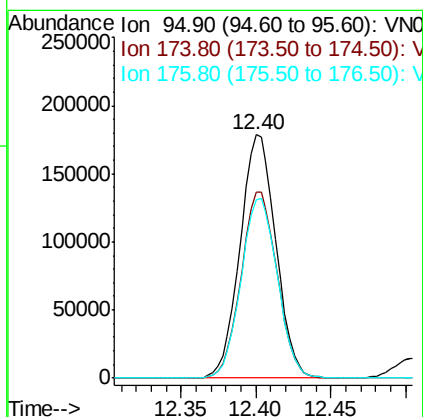
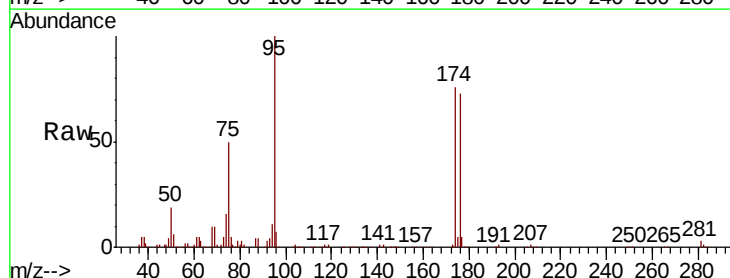
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBSD01

Tot Ion: 107 Resp: 100227
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 47.965 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion: 95 Resp: 297774
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 158.2
 176 75.1 0.0 151.8

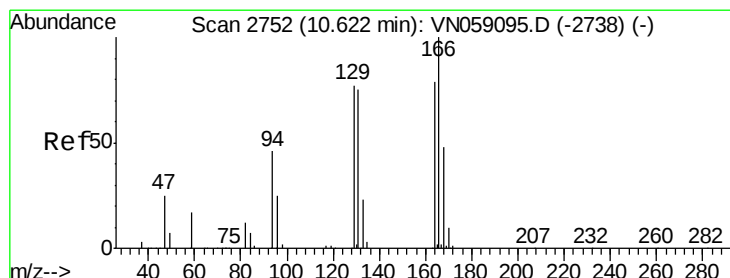
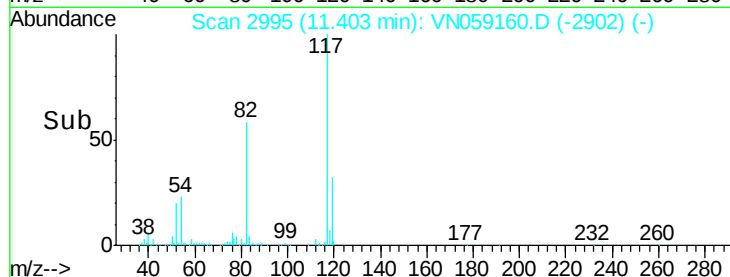
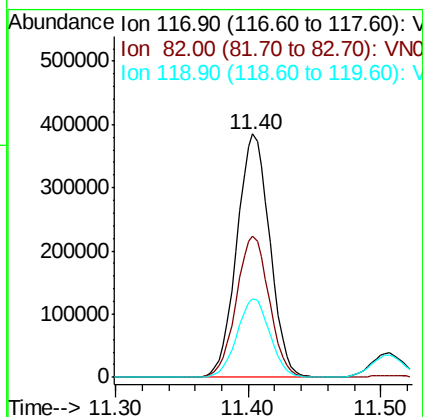
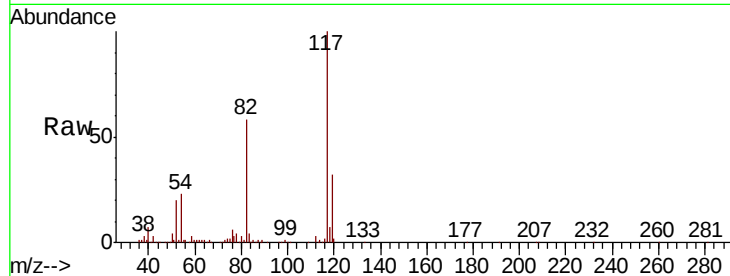




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

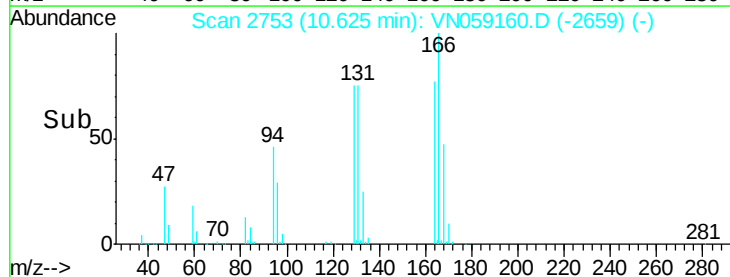
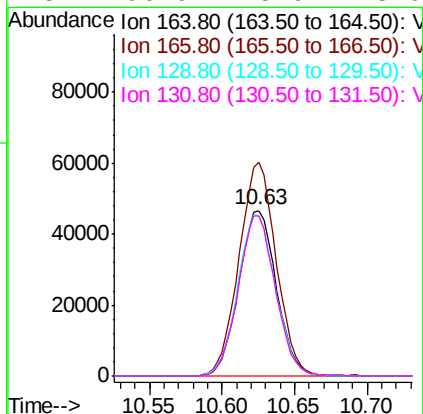
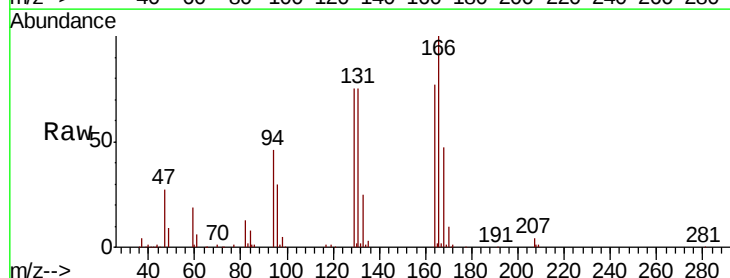
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

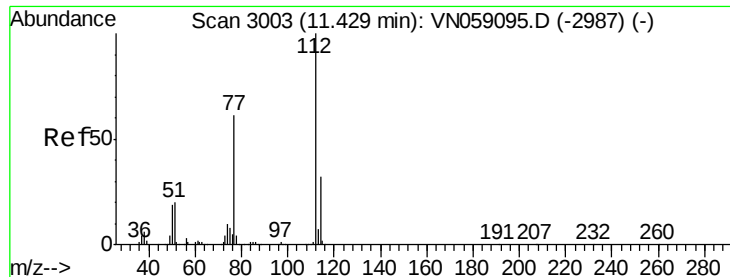
Tot Ion:117 Resp: 665112
Ion Ratio Lower Upper
117 100
82 58.2 45.8 68.8
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 18.563 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion:164 Resp: 83955
Ion Ratio Lower Upper
164 100
166 129.3 101.5 152.3
129 96.5 78.3 117.5
131 96.9 75.9 113.9

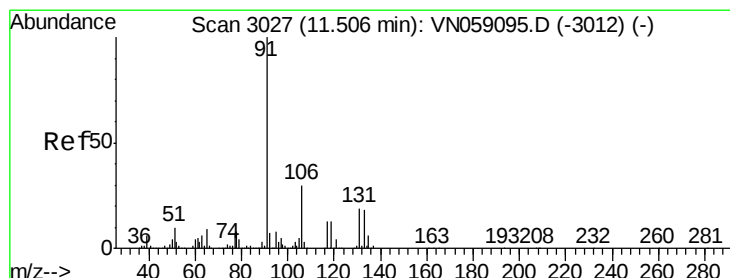
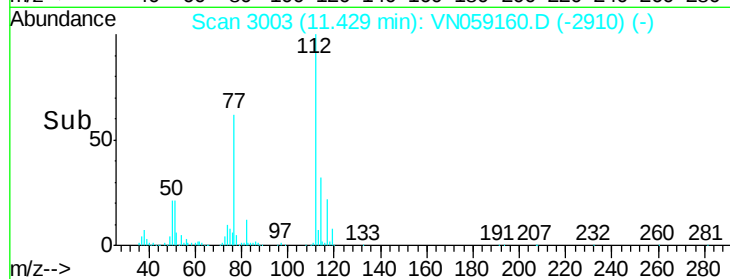
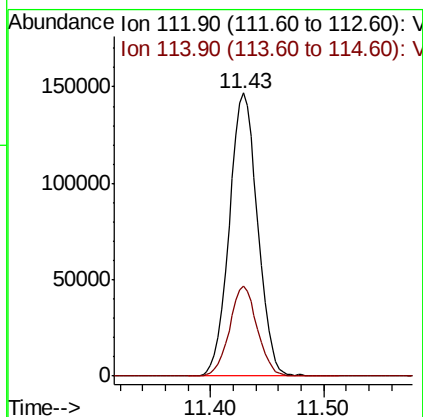
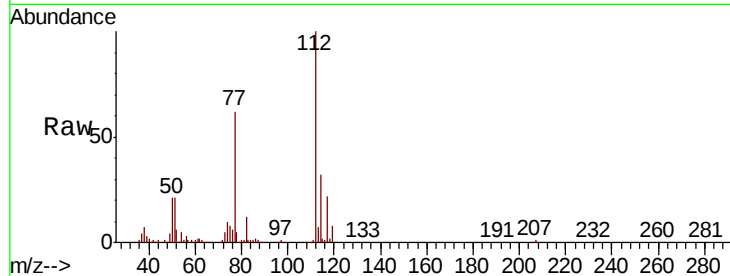




#65
Chlorobenzene
Concen: 19.683 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

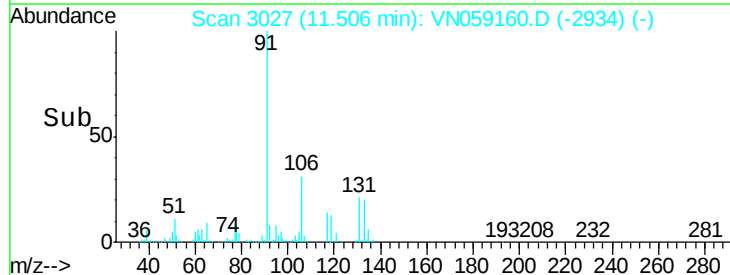
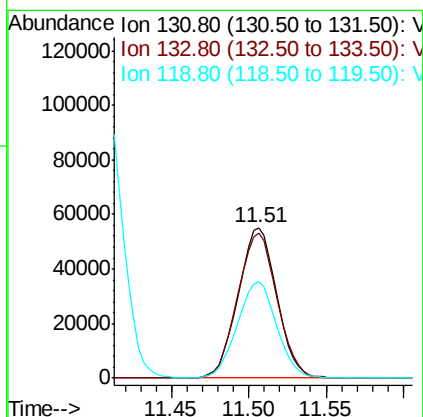
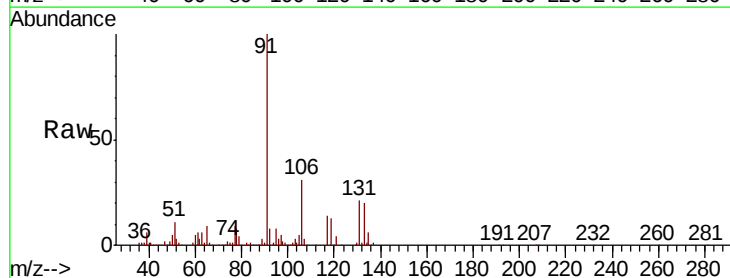
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBSD01

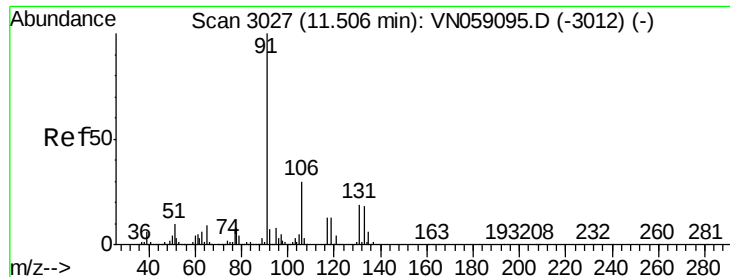
Tot Ion:112 Resp: 255201
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.671 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059160.D
Acq: 11 Nov 2019 14:53

Tgt Ion:131 Resp: 95672
Ion Ratio Lower Upper
131 100
133 99.0 47.4 142.3
119 65.4 33.2 99.6





#67

Ethyl Benzene

Concen: 19.748 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

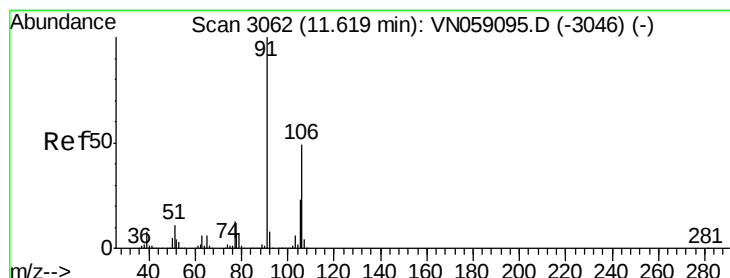
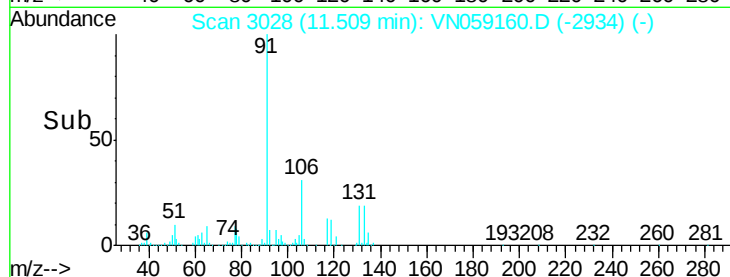
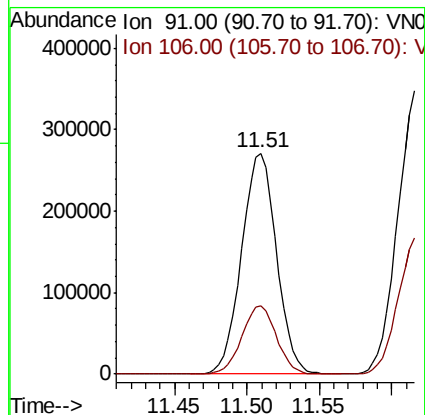
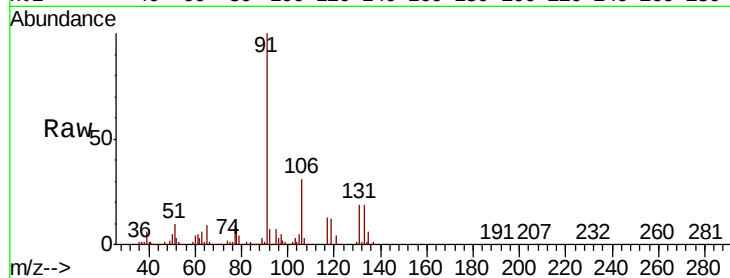
VN1111WBSD01

Tot Ion: 91 Resp: 454272

Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1



#68

m/p-Xylenes

Concen: 38.493 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059160.D

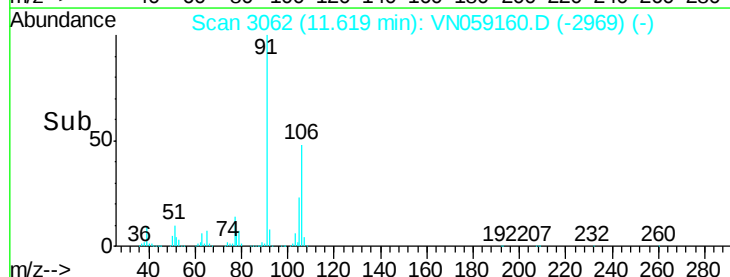
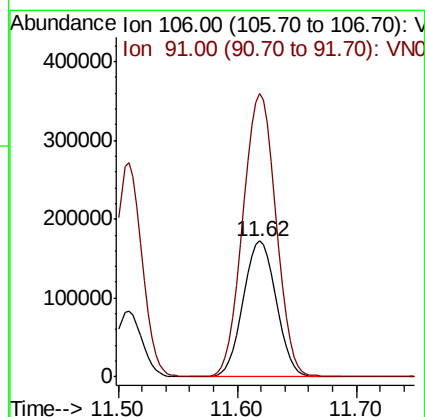
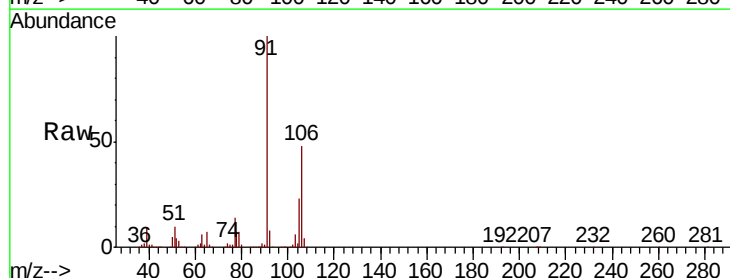
Acq: 11 Nov 2019 14:53

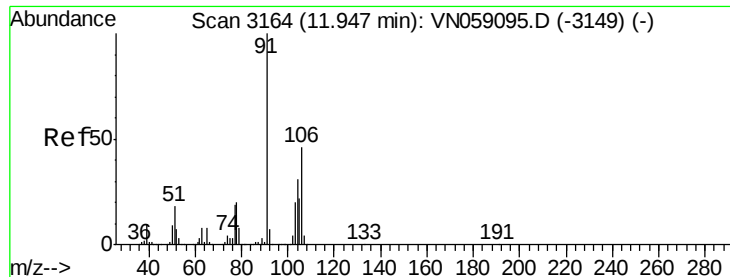
Tgt Ion: 106 Resp: 331694

Ion Ratio Lower Upper

106 100

91 208.5 164.7 247.1





#69

o-Xylene

Concen: 19.427 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

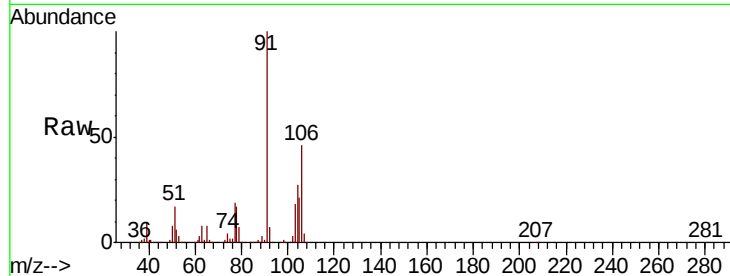
VN1111WBSD01

Tot Ion:106 Resp: 161781

Ion Ratio Lower Upper

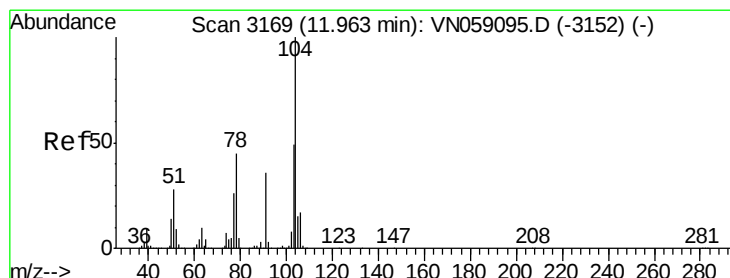
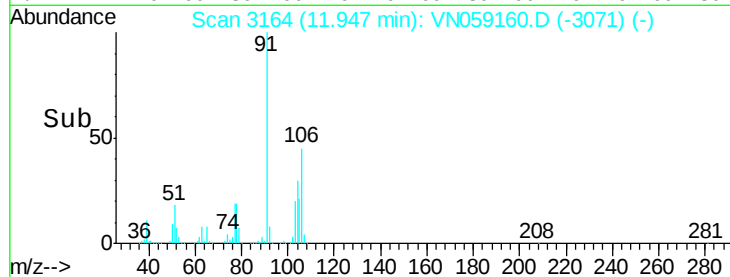
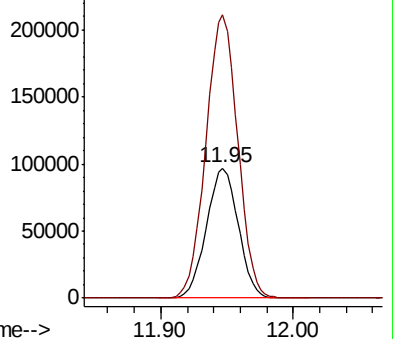
106 100

91 217.6 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.553 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

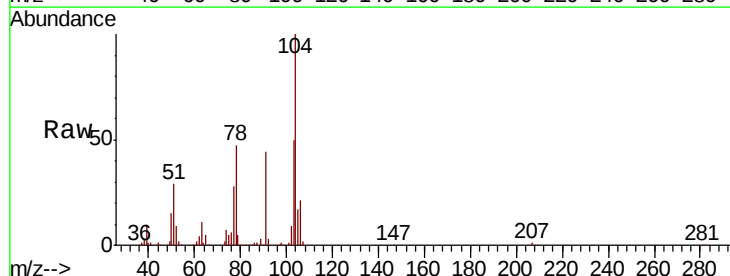
Tgt Ion:104 Resp: 256084

Ion Ratio Lower Upper

104 100

78 51.3 41.2 61.8

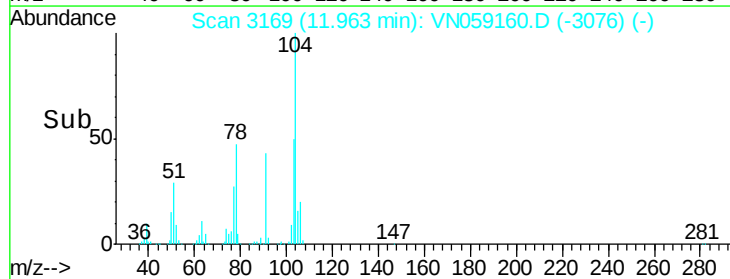
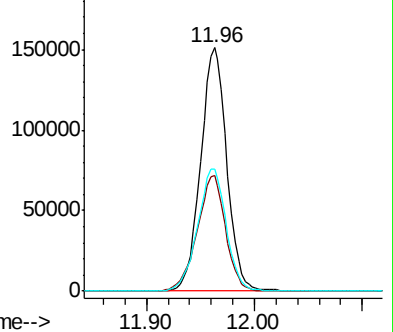
103 54.8 43.8 65.6

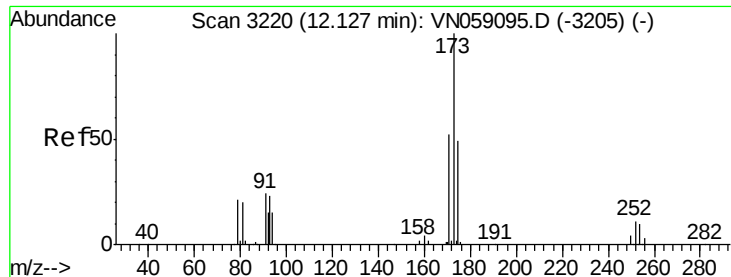


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.482 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

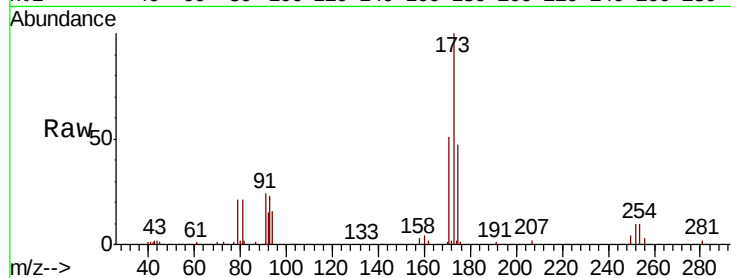
Tot Ion:173 Resp: 73705

Ion Ratio Lower Upper

173 100

175 47.6 24.2 72.6

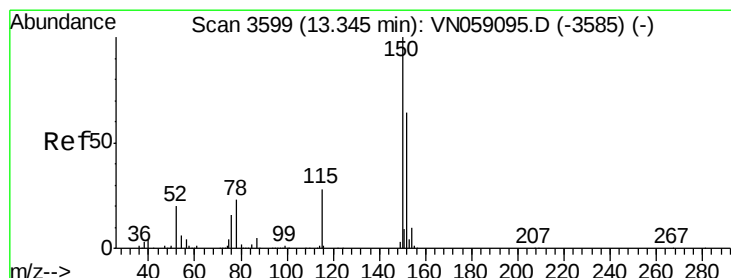
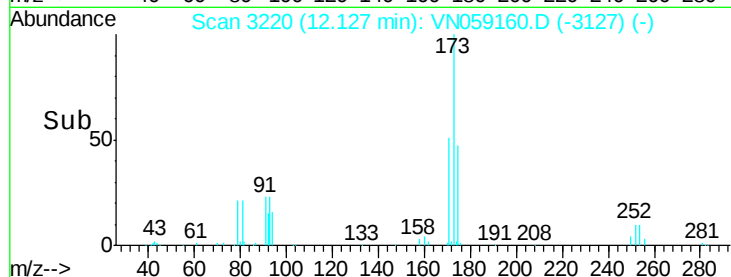
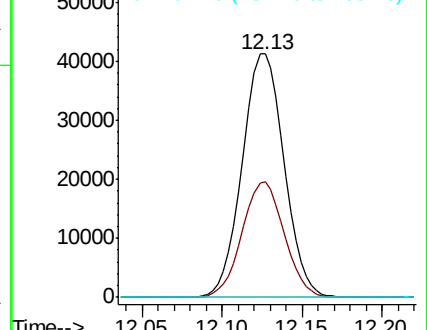
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

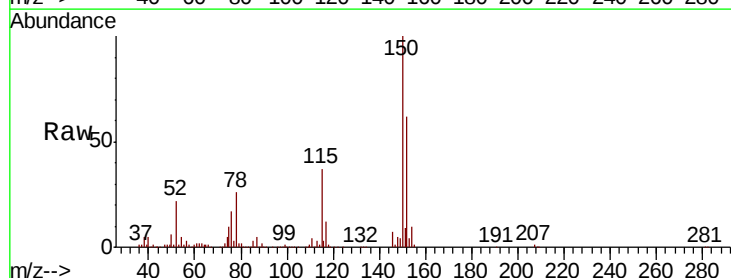
Tgt Ion:152 Resp: 291847

Ion Ratio Lower Upper

152 100

115 59.0 29.4 88.2

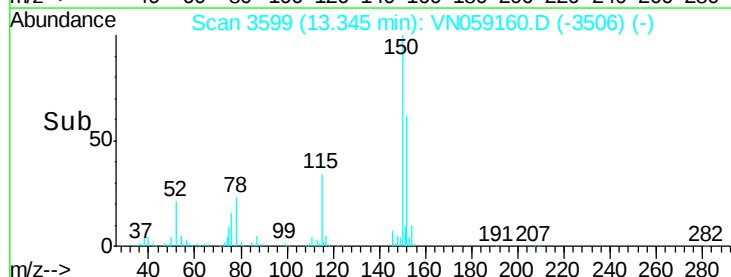
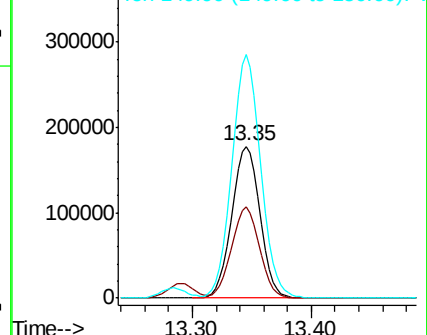
150 163.5 0.0 345.8

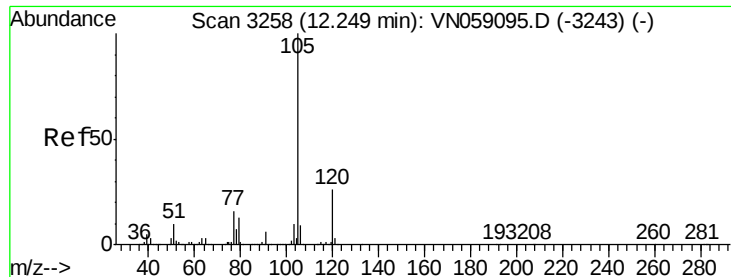


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.551 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

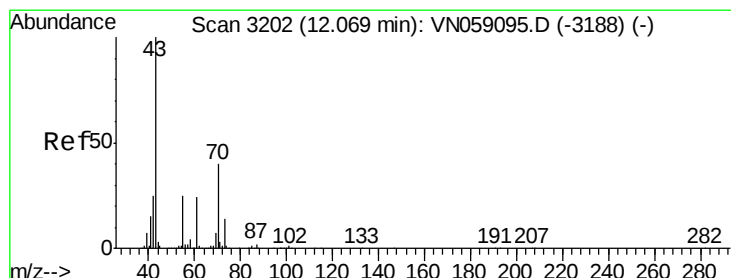
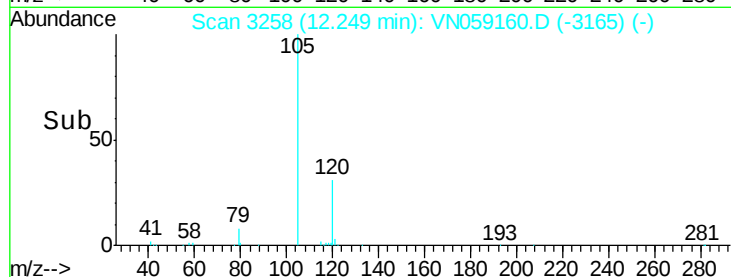
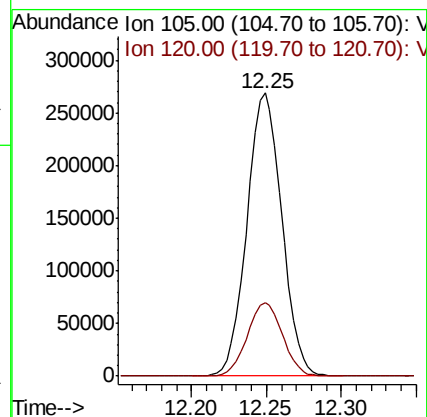
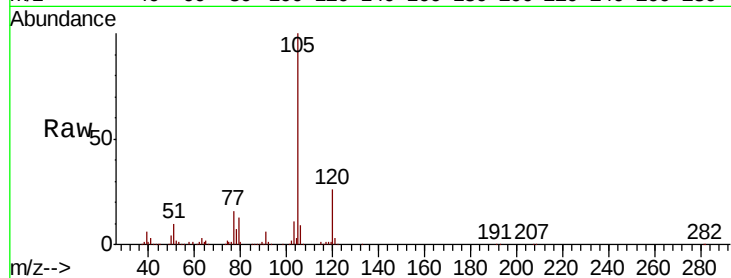
VN1111WBSD01

Tot Ion:105 Resp: 436282

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 20.412 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Tgt Ion: 43 Resp: 183616

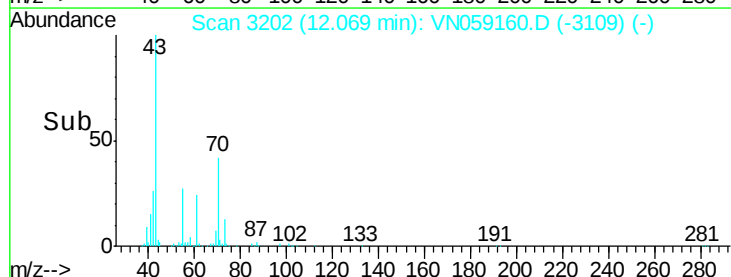
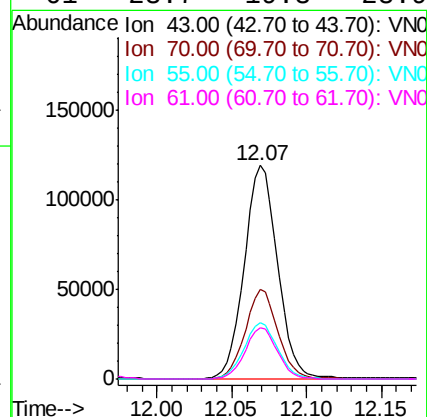
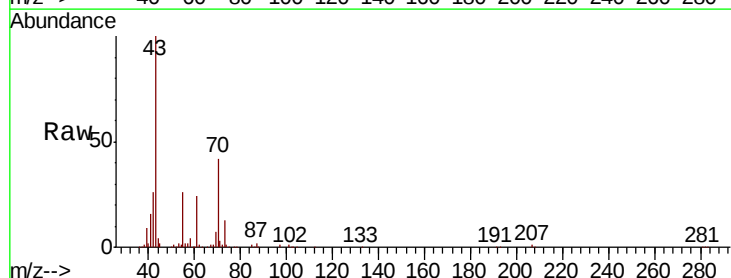
Ion Ratio Lower Upper

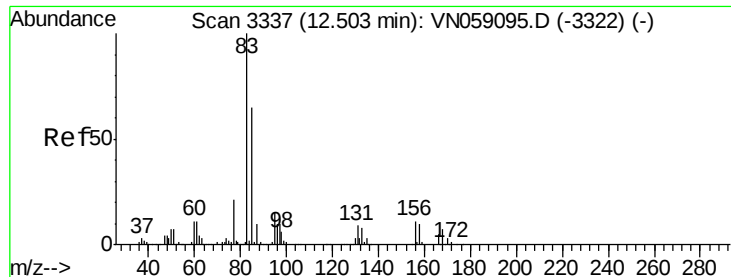
43 100

70 41.6 32.2 48.4

55 27.0 20.4 30.6

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.924 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

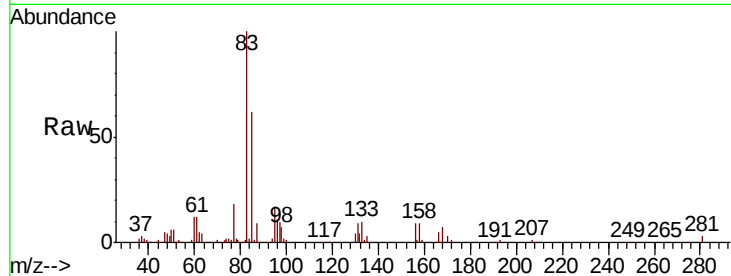
Tot Ion: 83 Resp: 151269

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

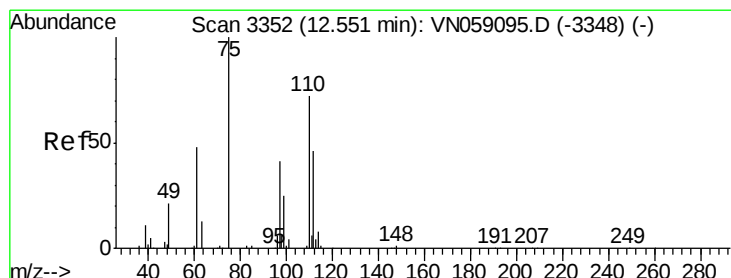
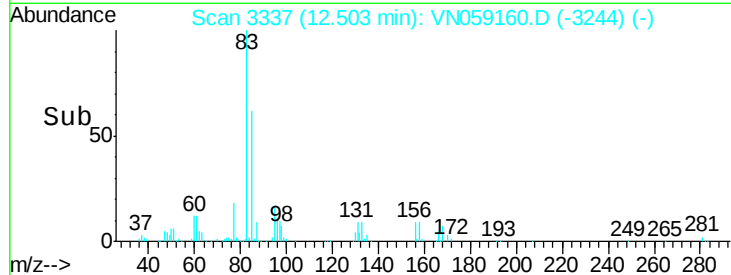
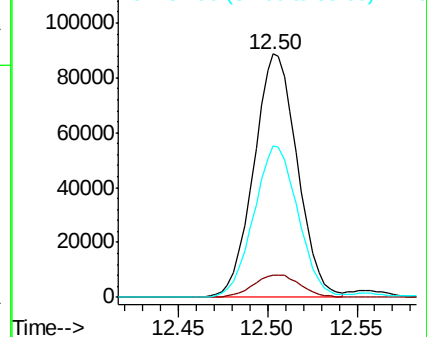
85 63.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059160.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059160.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059160.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 30.002 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059160.D

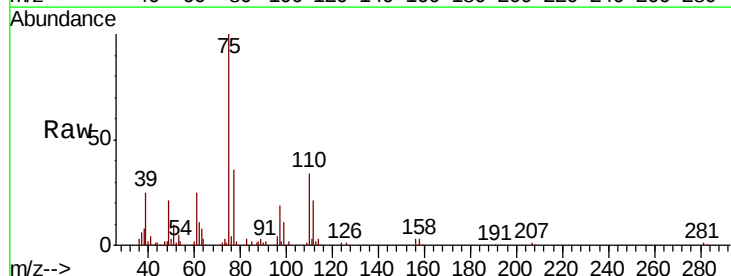
Acq: 11 Nov 2019 14:53

Tgt Ion: 75 Resp: 199345

Ion Ratio Lower Upper

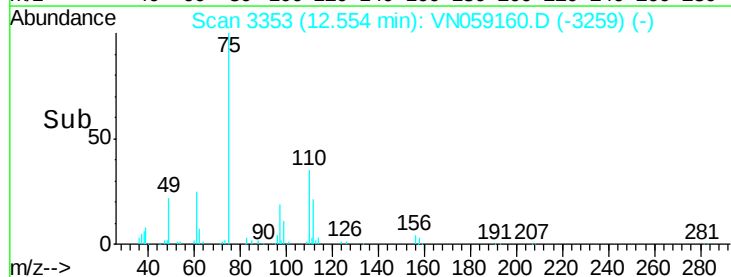
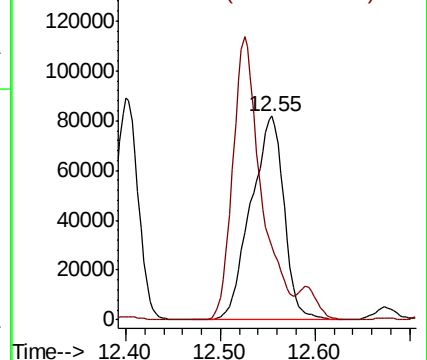
75 100

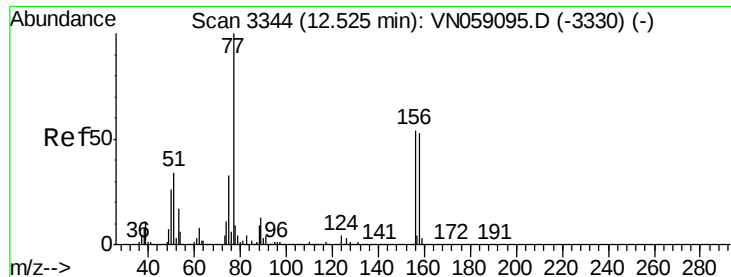
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059160.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059160.D (-3259) (-)





#77

Bromobenzene

Concen: 19.708 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

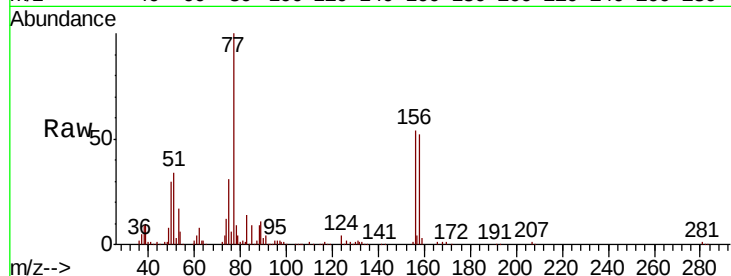
Tot Ion:156 Resp: 105117

Ion Ratio Lower Upper

156 100

77 226.6 112.8 338.3

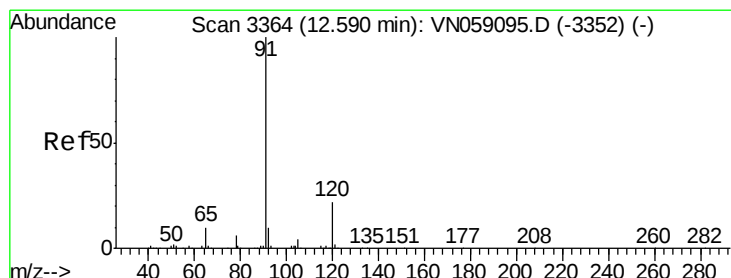
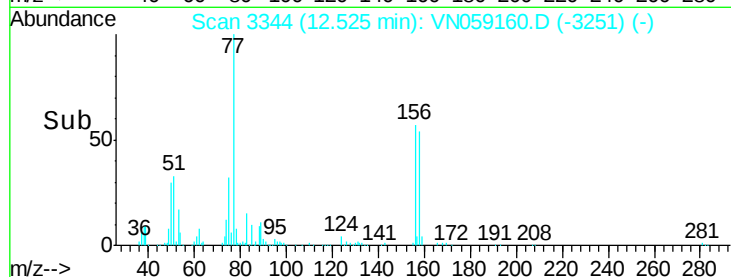
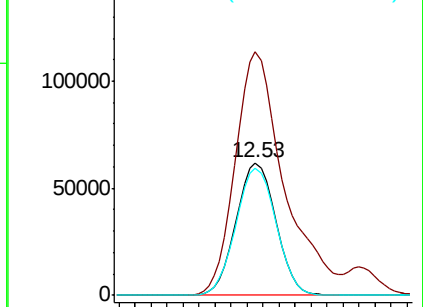
158 96.7 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.432 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059160.D

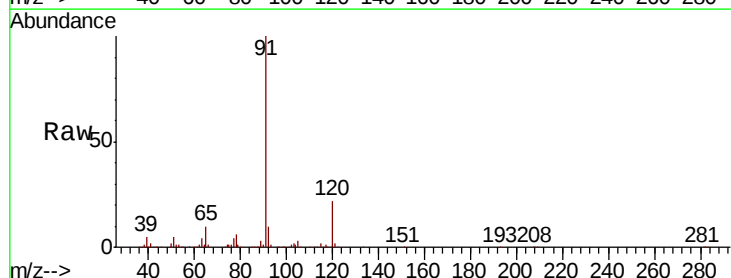
Acq: 11 Nov 2019 14:53

Tgt Ion: 91 Resp: 496633

Ion Ratio Lower Upper

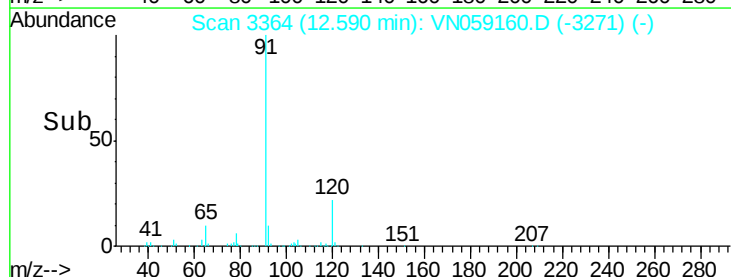
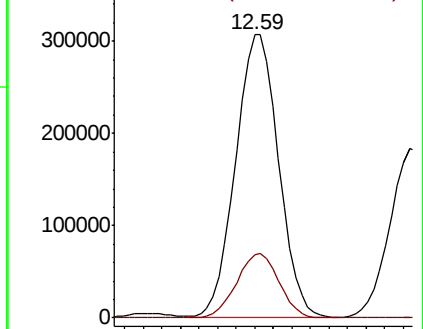
91 100

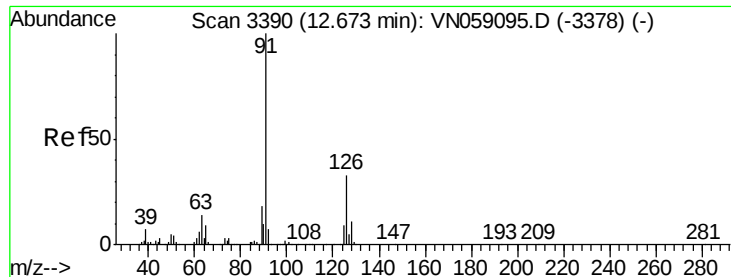
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.062 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

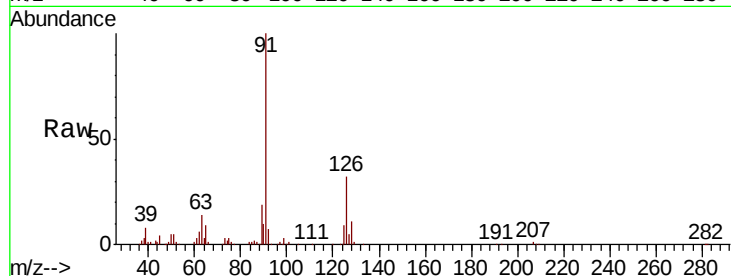
VN1111WBSD01

Tot Ion: 91 Resp: 302509

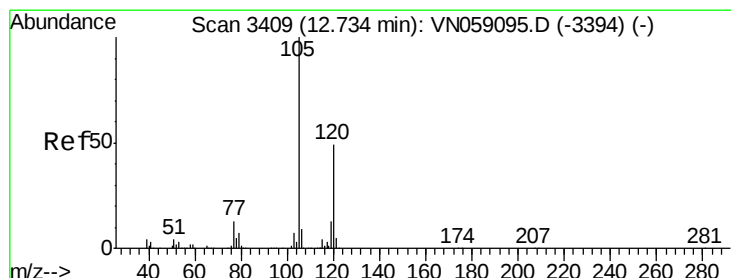
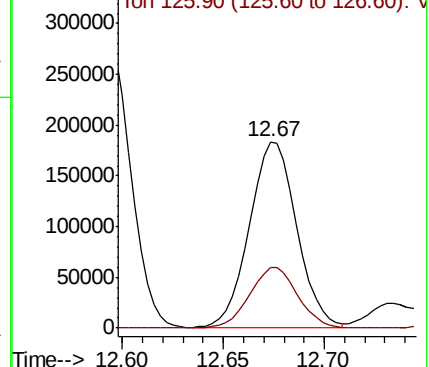
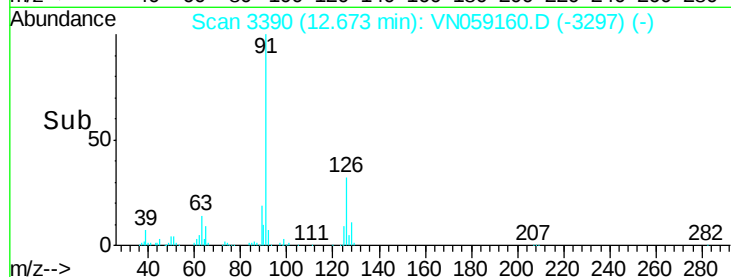
Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059160.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.021 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059160.D

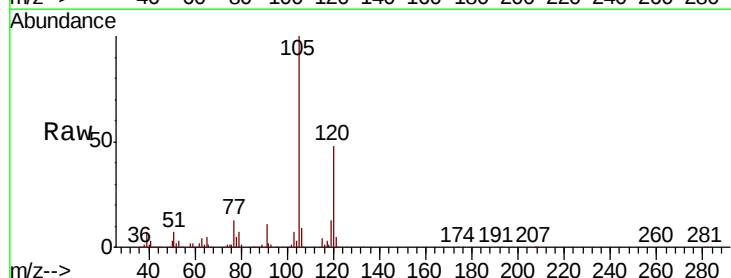
Acq: 11 Nov 2019 14:53

Tgt Ion: 105 Resp: 360149

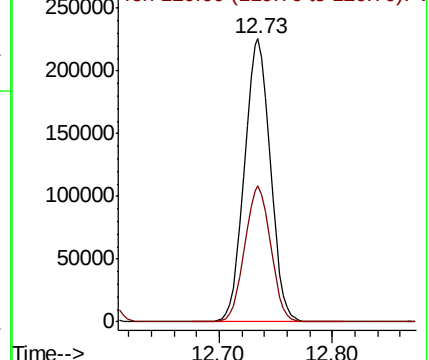
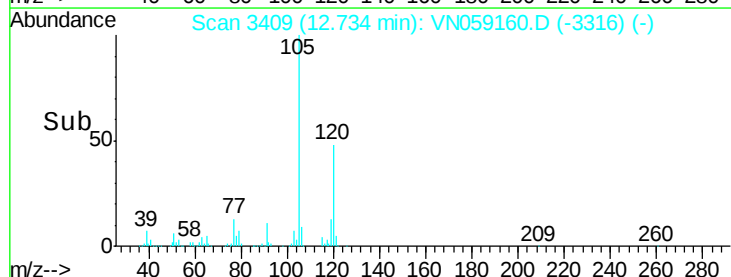
Ion Ratio Lower Upper

105 100

120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059160.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.476 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

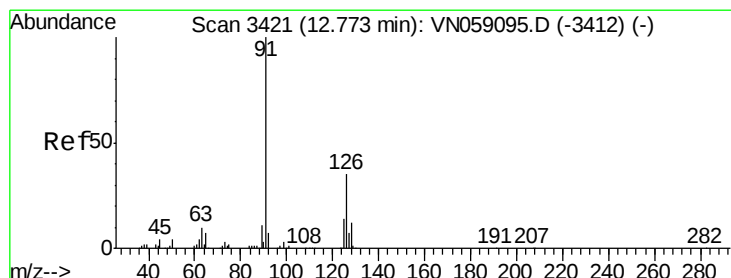
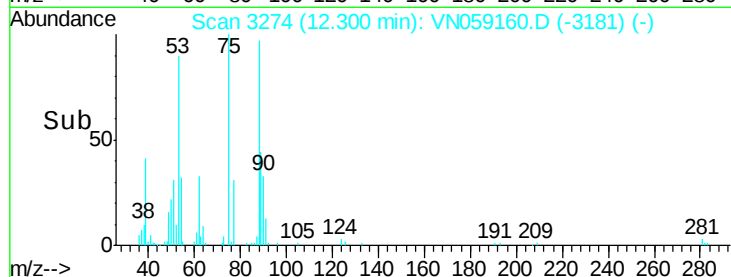
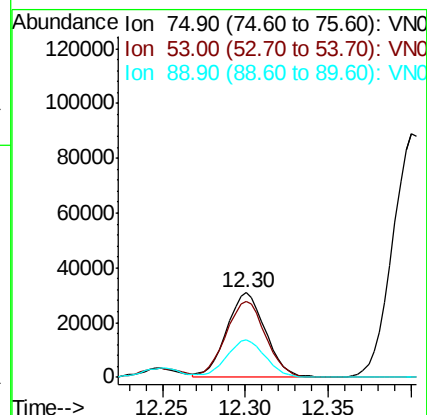
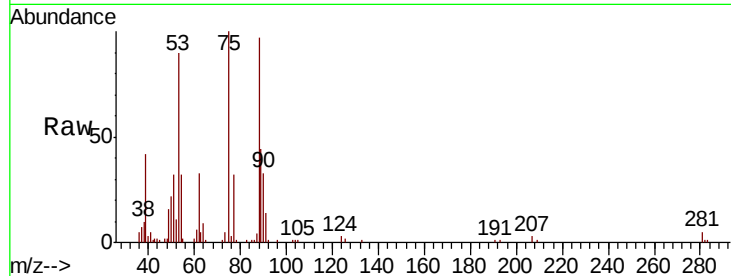
Tot Ion: 75 Resp: 48994

Ion Ratio Lower Upper

75 100

53 93.8 72.2 108.2

89 46.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.020 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059160.D

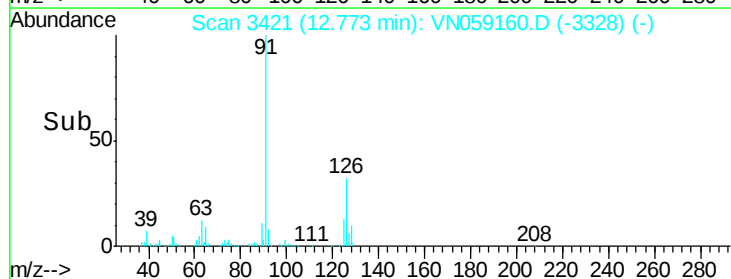
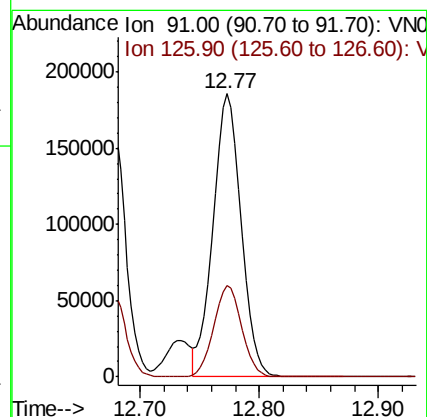
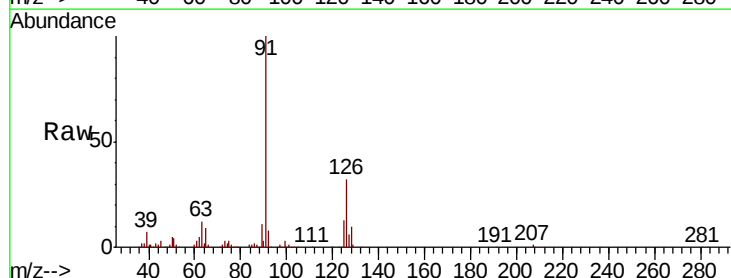
Acq: 11 Nov 2019 14:53

Tgt Ion: 91 Resp: 302787

Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.2





#83

tert-Butylbenzene

Concen: 20.008 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

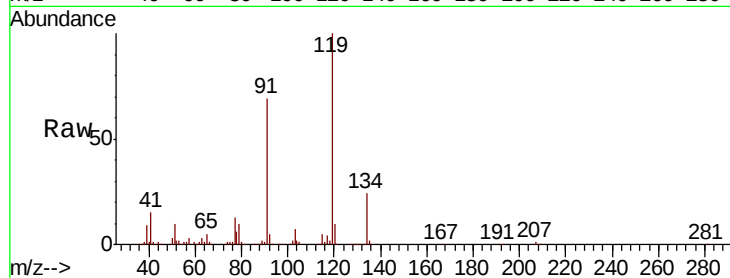
Tot Ion:119 Resp: 310807

Ion Ratio Lower Upper

119 100

91 66.9 33.2 99.6

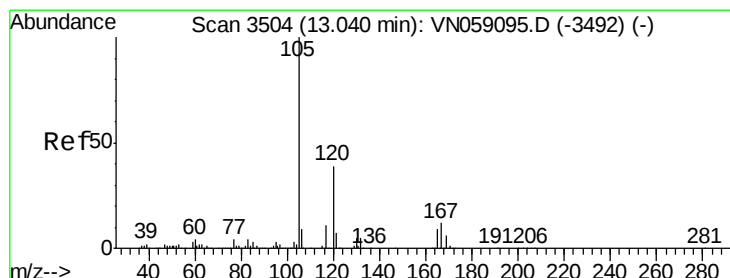
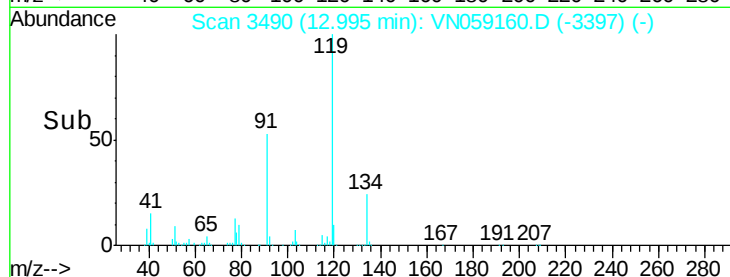
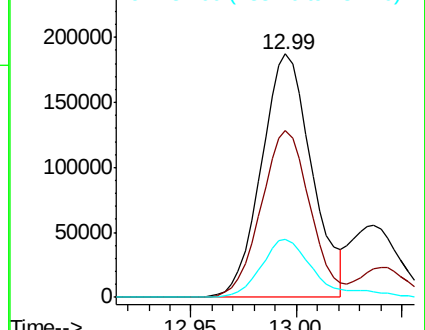
134 25.6 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.437 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059160.D

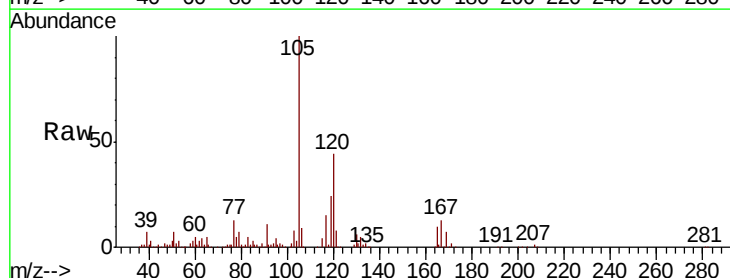
Acq: 11 Nov 2019 14:53

Tgt Ion:105 Resp: 355682

Ion Ratio Lower Upper

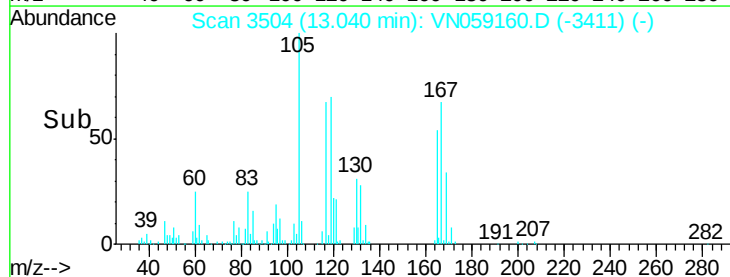
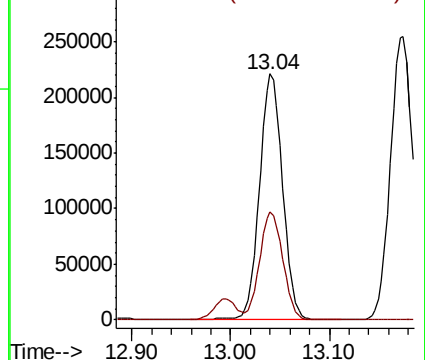
105 100

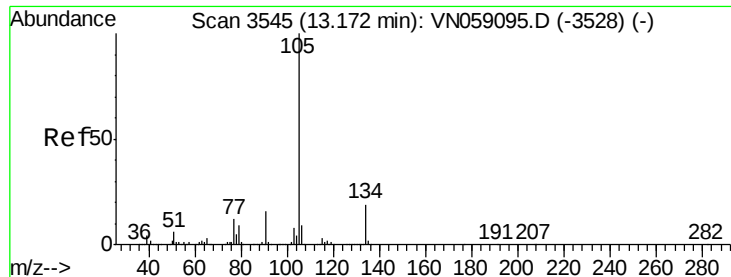
120 43.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.957 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

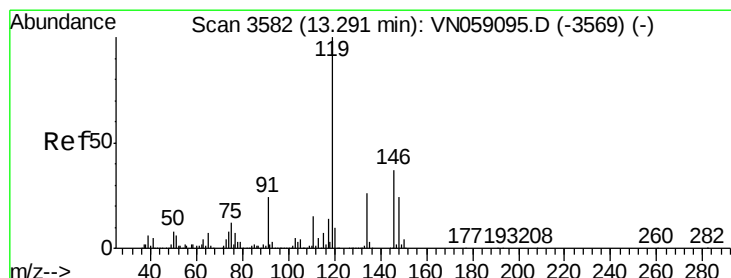
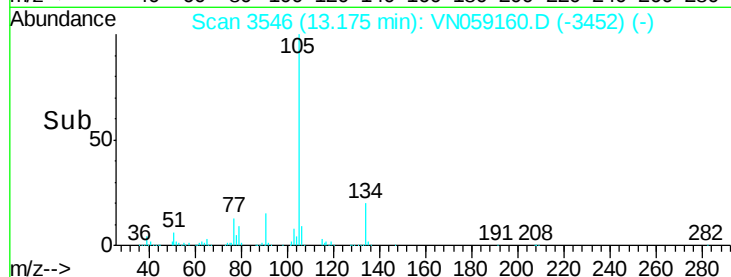
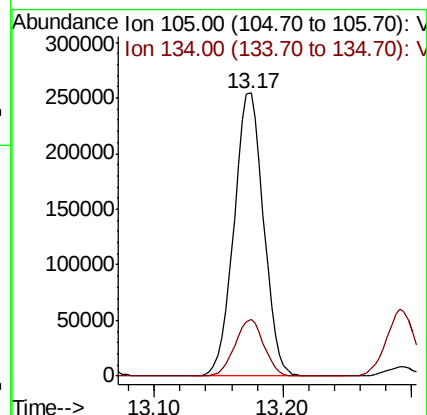
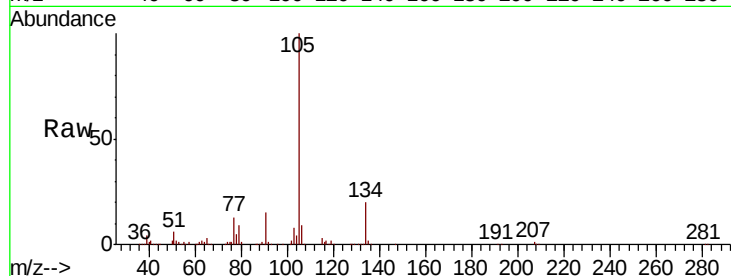
VN1111WBSD01

Tot Ion:105 Resp: 403198

Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1



#86

p-Isopropyltoluene

Concen: 19.877 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

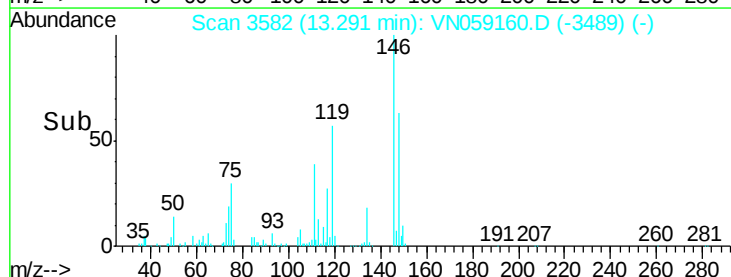
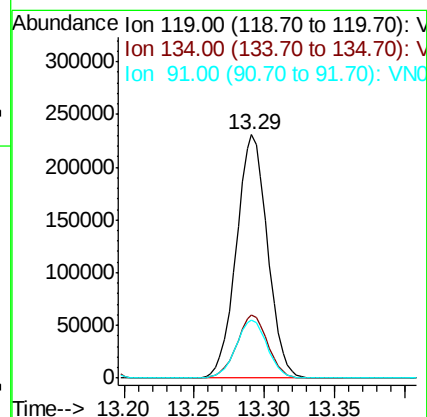
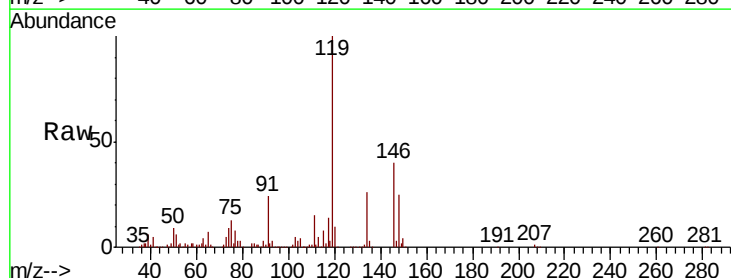
Tgt Ion:119 Resp: 354578

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 23.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.525 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

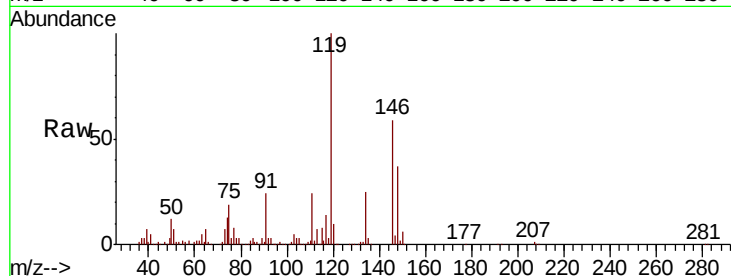
Tot Ion:146 Resp: 178326

Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

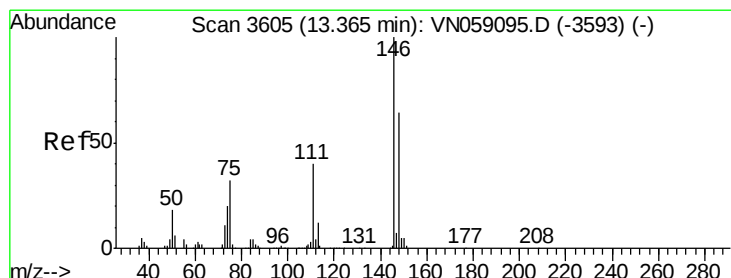
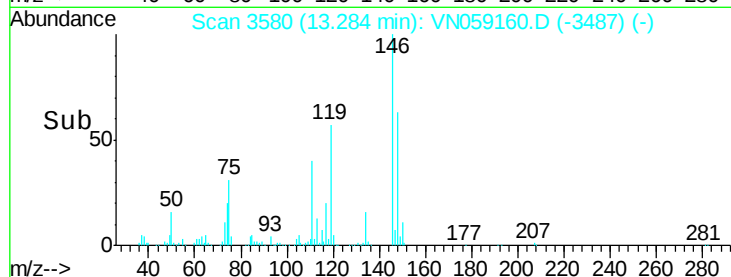
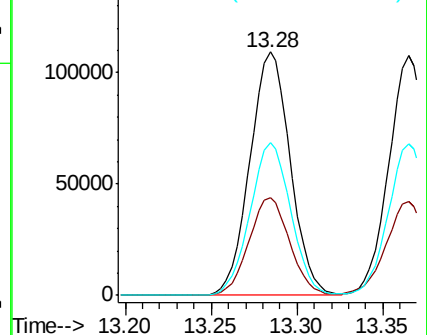
148 63.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.064 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

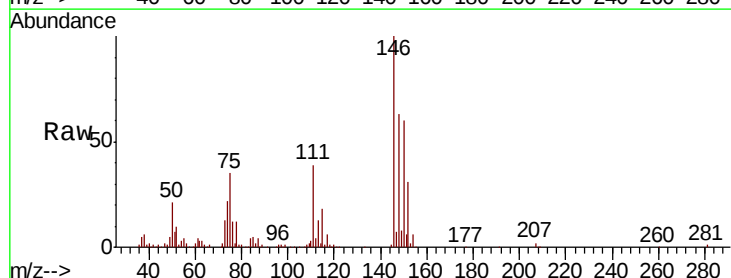
Tgt Ion:146 Resp: 174211

Ion Ratio Lower Upper

146 100

111 41.6 20.3 60.9

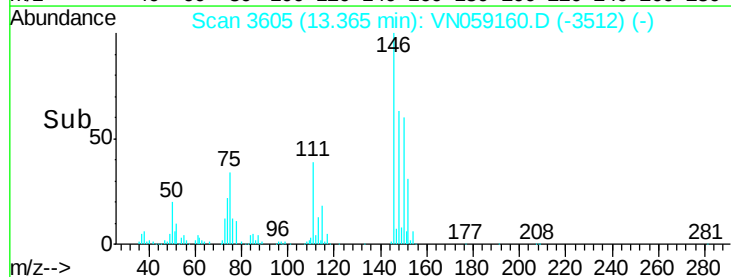
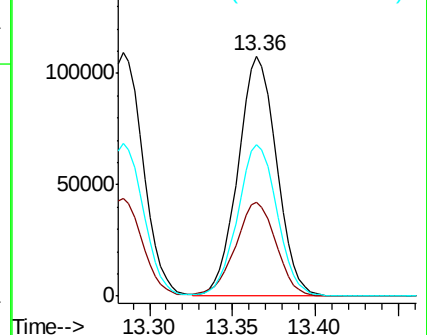
148 64.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.997 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

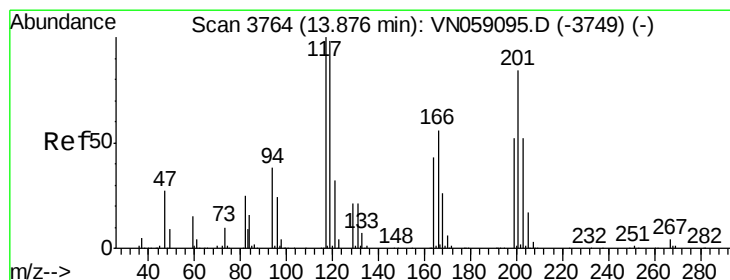
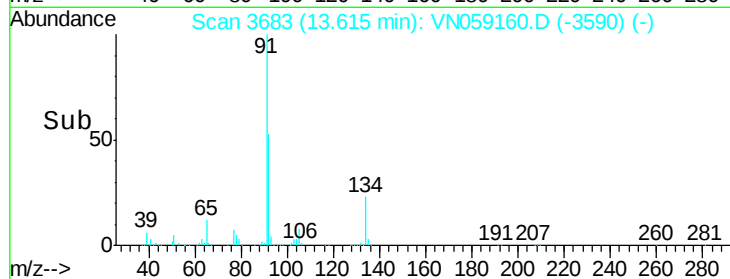
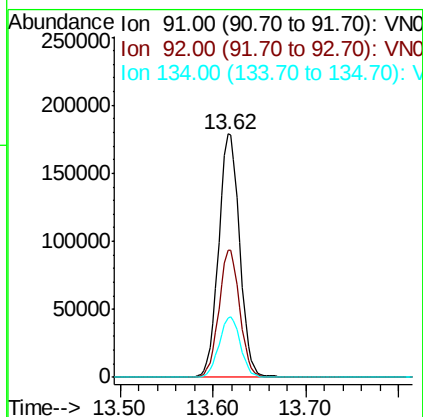
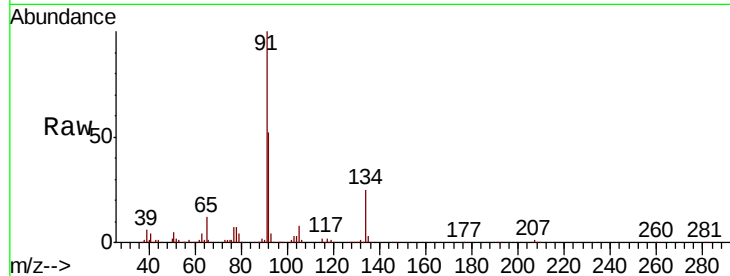
Tot Ion: 91 Resp: 280991

Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.3

134 25.1 12.6 37.8



#90

Hexachloroethane

Concen: 19.694 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059160.D

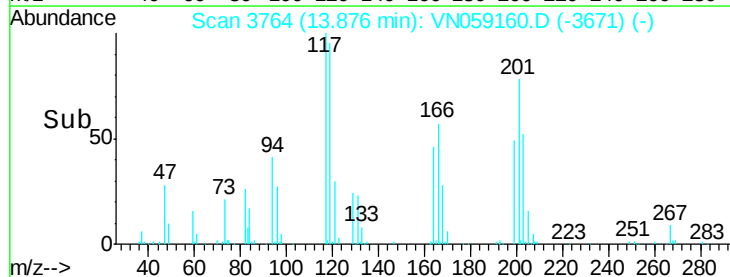
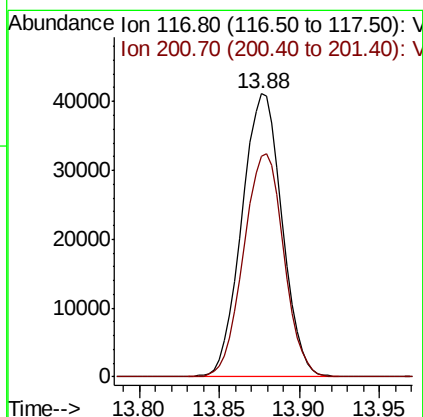
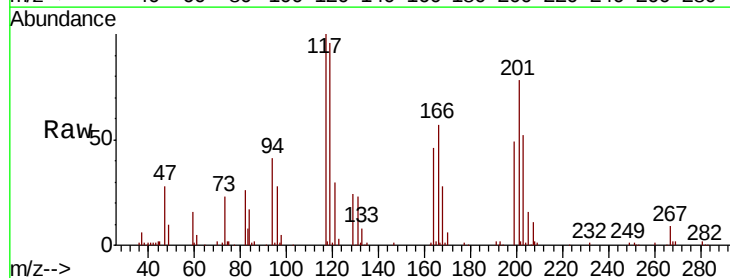
Acq: 11 Nov 2019 14:53

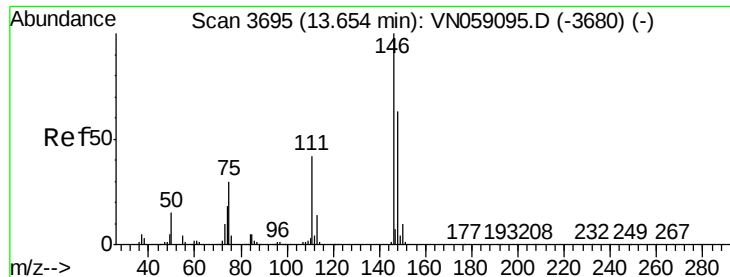
Tgt Ion: 117 Resp: 70544

Ion Ratio Lower Upper

117 100

201 78.8 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 20.211 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampled :

VN1111WBSD01

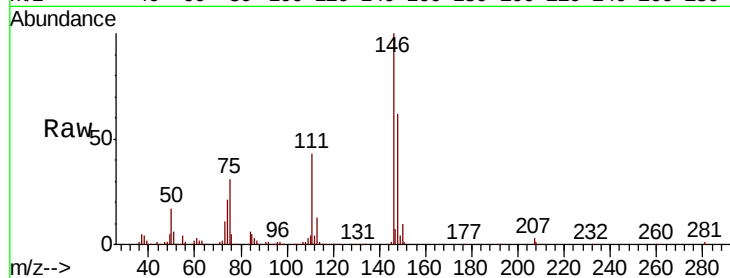
Tot Ion:146 Resp: 181588

Ion Ratio Lower Upper

146 100

111 41.7 21.2 63.6

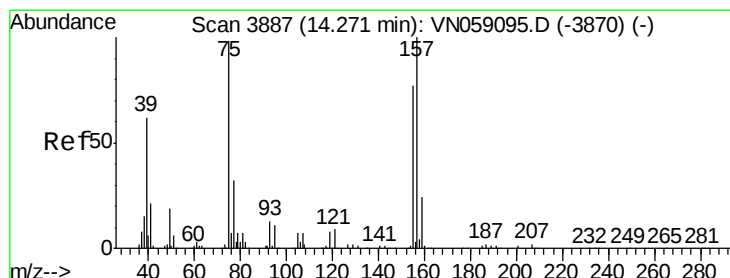
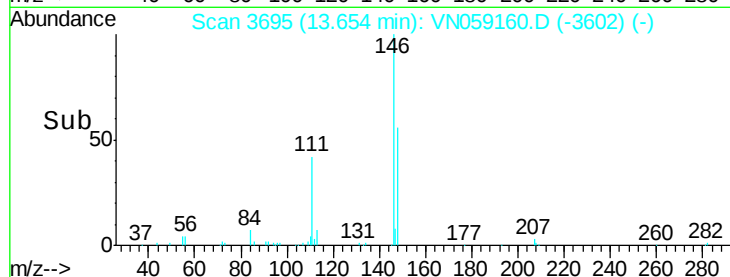
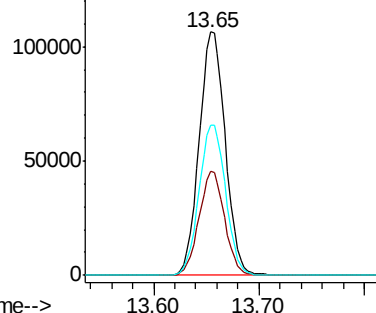
148 62.9 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.684 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

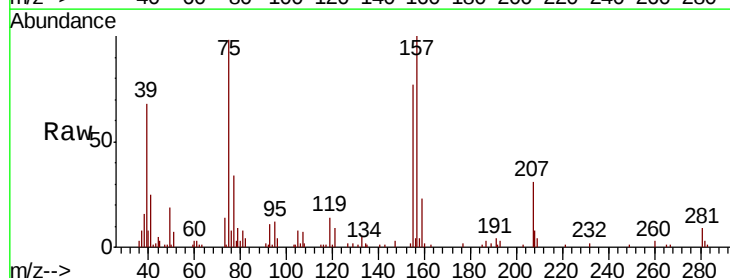
Tgt Ion: 75 Resp: 31255

Ion Ratio Lower Upper

75 100

155 76.5 40.2 120.6

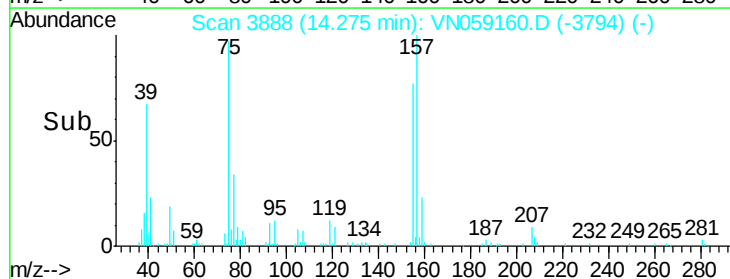
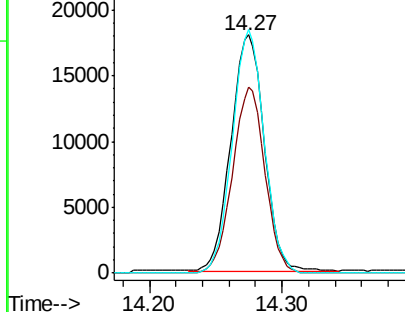
157 98.5 51.8 155.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

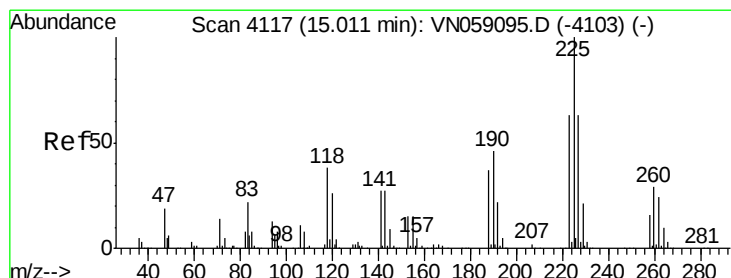
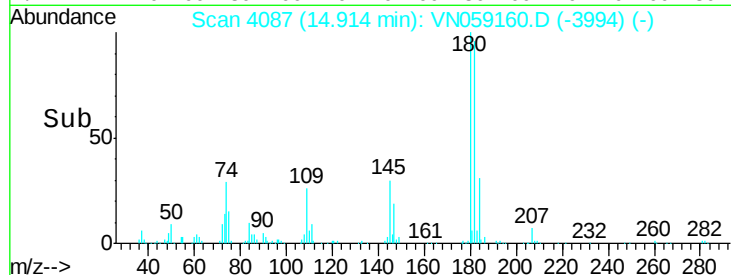
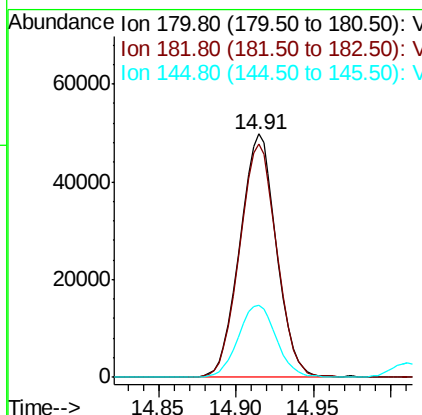
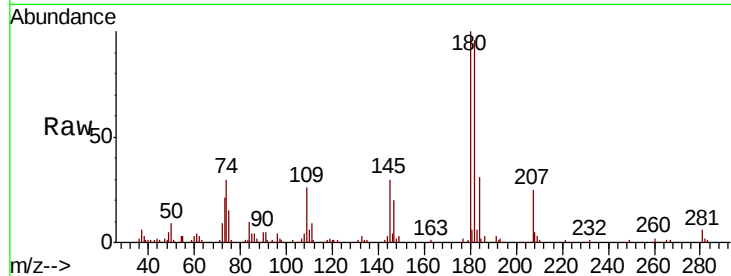




#93
 1,2,4-Trichlorobenzene
 Concen: 17.132 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

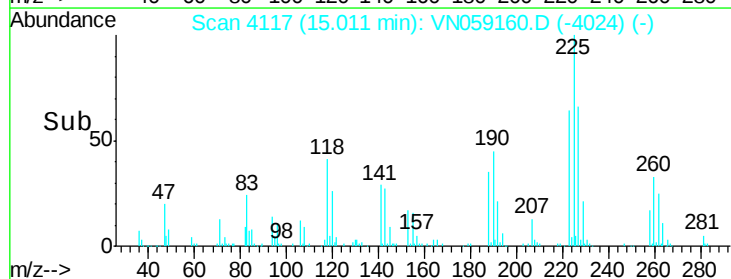
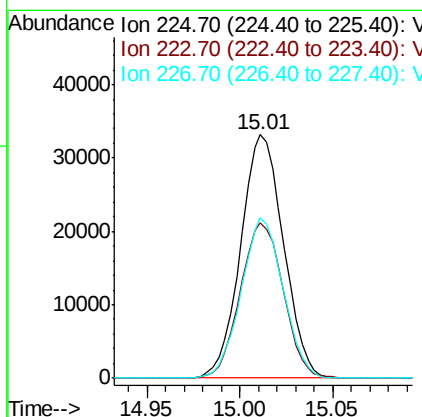
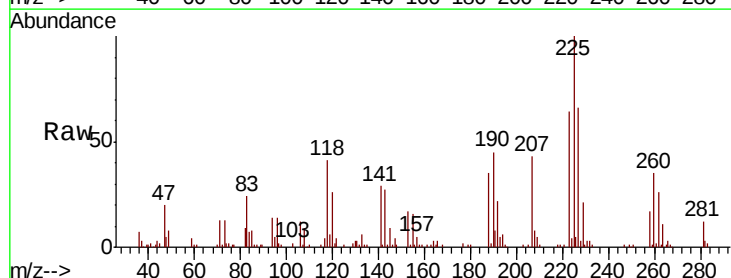
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBSD01

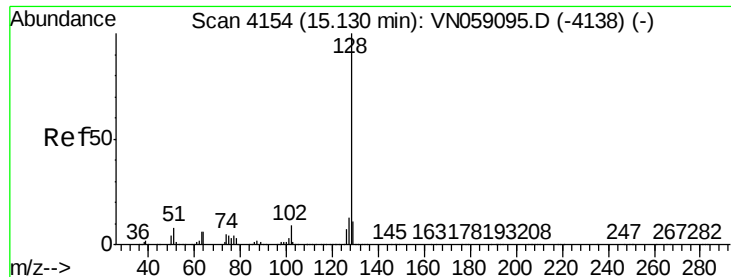
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.1	144.3
145	30.9	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 17.127 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059160.D
 Acq: 11 Nov 2019 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.3	93.9
227	64.3	31.5	94.5





#95

Naphthalene

Concen: 17.746 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBSD01

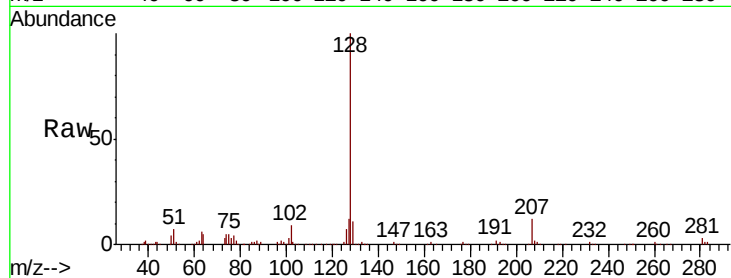
Tot Ion:128 Resp: 236751

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

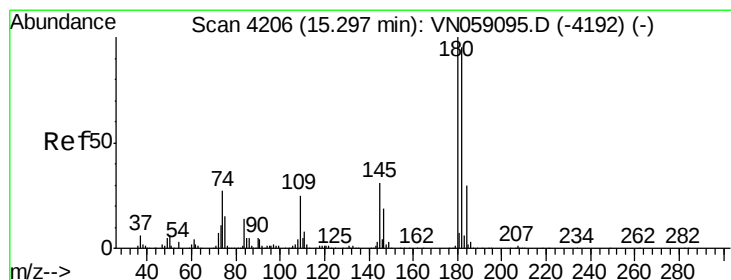
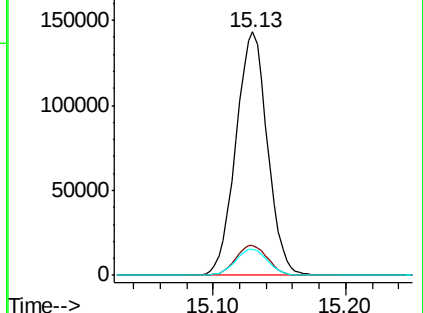
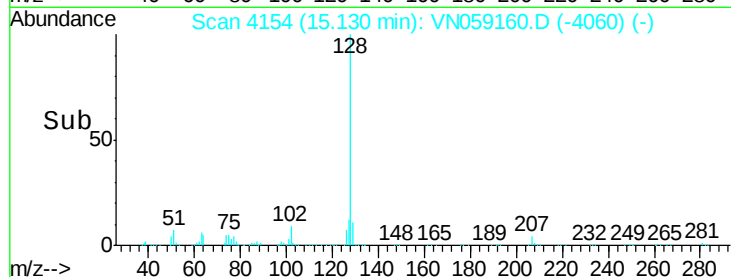
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.953 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059160.D

Acq: 11 Nov 2019 14:53

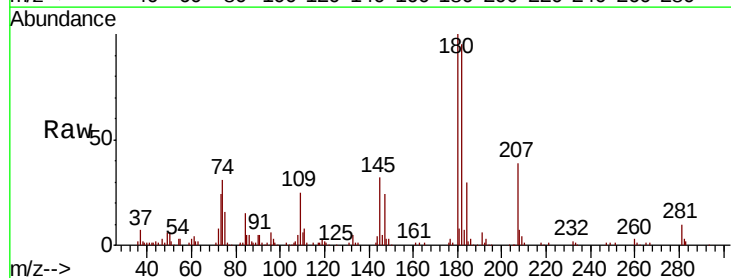
Tgt Ion:180 Resp: 85362

Ion Ratio Lower Upper

180 100

182 95.7 47.3 141.8

145 31.2 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

