

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061160.D
 Acq On : 28 Apr 2020 13:45
 Operator : JC/MD
 Sample : VN0428WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

Quant Time: Apr 28 14:55:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	115549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	198940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	185064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88228	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	92595	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.54	113	61140	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.06	98	243553	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.37	95	91260	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	23889	19.496	ug/l 98
3) Chloromethane	2.03	50	27597	18.596	ug/l 97
4) Vinyl Chloride	2.16	62	30537	18.117	ug/l 99
5) Bromomethane	2.54	94	15639	18.770	ug/l 93
6) Chloroethane	2.67	64	19465	18.220	ug/l 93
7) Trichlorofluoromethane	2.99	101	38321	20.151	ug/l 95
8) Diethyl Ether	3.37	74	15016	18.931	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	23520	19.198	ug/l 99
10) Methyl Iodide	3.91	142	31500	20.007	ug/l 97
11) Tert butyl alcohol	4.73	59	20126	82.174	ug/l 98
12) 1,1-Dichloroethene	3.69	96	22420	18.390	ug/l 99
13) Acrolein	3.56	56	12208	74.797	ug/l 94
14) Allyl chloride	4.27	41	47104	20.838	ug/l 99
15) Acrylonitrile	4.93	53	65062	86.537	ug/l 99
16) Acetone	3.77	43	56098	75.478	ug/l 100
17) Carbon Disulfide	4.01	76	64986	19.297	ug/l 98
18) Methyl Acetate	4.27	43	37346	16.641	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	84856	18.215	ug/l 98
20) Methylene Chloride	4.50	84	26226	18.396	ug/l 96
21) trans-1,2-Dichloroethene	4.99	96	25534	19.234	ug/l 96
22) Diisopropyl ether	5.90	45	96536	18.416	ug/l 95
23) Vinyl Acetate	5.84	43	382741	90.682	ug/l 100
24) 1,1-Dichloroethane	5.80	63	51011	18.625	ug/l 98
25) 2-Butanone	6.78	43	89231	82.477	ug/l 99
26) 2,2-Dichloropropane	6.77	77	46413	20.120	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	28869	18.531	ug/l 98
28) Bromochloromethane	7.15	49	25369	19.543	ug/l 99
29) Tetrahydrofuran	7.16	42	61702	84.664	ug/l 99
30) Chloroform	7.33	83	50432	18.171	ug/l 99
31) Cyclohexane	7.61	56	49171	18.487	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	44613	18.459	ug/l 100
36) 1,1-Dichloropropene	7.75	75	38050	19.106	ug/l 100
37) Ethyl Acetate	6.88	43	39860	17.073	ug/l 100
38) Carbon Tetrachloride	7.73	117	30840	19.365	ug/l 99

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 Misc : 5.00mL/MSVOA N/WATER
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 ClientSampleId :
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Quant Time: Apr 28 14:55:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	43554	19.268	ug/l	99
40) Benzene	8.00	78	109660	18.483	ug/l	99
41) Methacrylonitrile	7.12	41	16963	17.499	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	42936	19.102	ug/l	99
43) Isopropyl Acetate	8.12	43	68399	17.653	ug/l	99
44) Trichloroethene	8.80	130	29229	18.224	ug/l	100
45) 1,2-Dichloropropane	9.09	63	28996	18.293	ug/l	99
46) Dibromomethane	9.17	93	18554	18.905	ug/l	99
47) Bromodichloromethane	9.37	83	39813	18.900	ug/l	100
48) Methyl methacrylate	9.17	41	30319	17.341	ug/l	96
49) 1,4-Dioxane	9.16	88	7195	362.522	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	196991	86.373	ug/l	100
52) Toluene	10.12	92	66772	18.684	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	44625	18.800	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	47073	18.759	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	26043	18.270	ug/l	97
56) Ethyl methacrylate	10.40	69	39241	17.663	ug/l	99
57) 1,3-Dichloropropane	10.68	76	46927	18.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	99487	86.224	ug/l	100
59) 2-Hexanone	10.72	43	143163	86.282	ug/l	100
60) Dibromochloromethane	10.87	129	27532	18.442	ug/l	99
61) 1,2-Dibromoethane	10.98	107	26308	18.414	ug/l	100
64) Tetrachloroethene	10.60	164	29472	18.387	ug/l	99
65) Chlorobenzene	11.41	112	68863	18.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	24860	18.921	ug/l	99
67) Ethyl Benzene	11.48	91	130724	19.022	ug/l	99
68) m/p-Xylenes	11.59	106	95301	37.887	ug/l	98
69) o-Xylene	11.92	106	44867	18.569	ug/l	96
70) Styrene	11.94	104	74998	18.545	ug/l	99
71) Bromoform	12.10	173	17359	17.977	ug/l #	98
73) Isopropylbenzene	12.22	105	124097	19.133	ug/l	99
74) N-amyl acetate	12.04	43	58137	17.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	36979	18.284	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	50791	27.306	ug/l #	100
77) Bromobenzene	12.50	156	28580	19.088	ug/l	98
78) n-propylbenzene	12.56	91	147587	19.184	ug/l	99
79) 2-Chlorotoluene	12.65	91	86344	19.095	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	103899	19.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	12972	17.710	ug/l	98
82) 4-Chlorotoluene	12.75	91	89681	18.817	ug/l	99
83) tert-Butylbenzene	12.97	119	86763	19.168	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	105544	19.083	ug/l	100
85) sec-Butylbenzene	13.15	105	118759	19.243	ug/l	100
86) p-Isopropyltoluene	13.26	119	107261	19.290	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	51786	18.788	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	52593	18.675	ug/l	98
89) n-Butylbenzene	13.59	91	99356	19.491	ug/l	100
90) Hexachloroethane	13.85	117	9102	20.926	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	50120	18.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	7491	17.538	ug/l	100

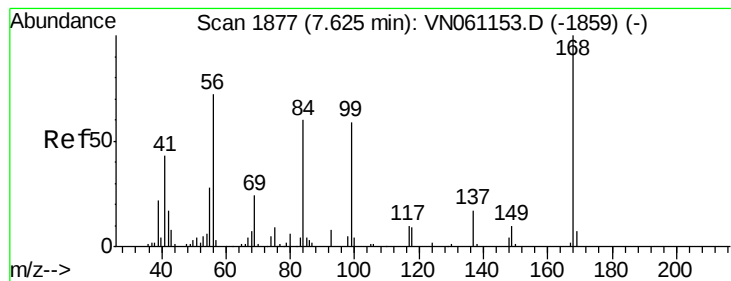
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
Data File : VN061160.D
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Quant Title : SW846 8260
QLast Update : Tue Apr 28 02:20:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	30762	19.114	ug/l	100
94) Hexachlorobutadiene	14.99	225	14191	21.107	ug/l	94
95) Naphthalene	15.10	128	91068	17.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	29093	18.310	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

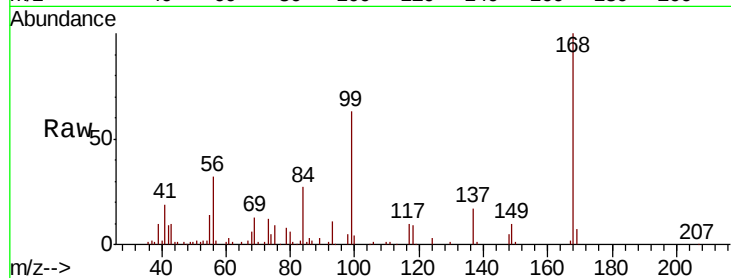
VN0428WBS01

Tot Ion:168 Resp: 115549

Ion Ratio Lower Upper

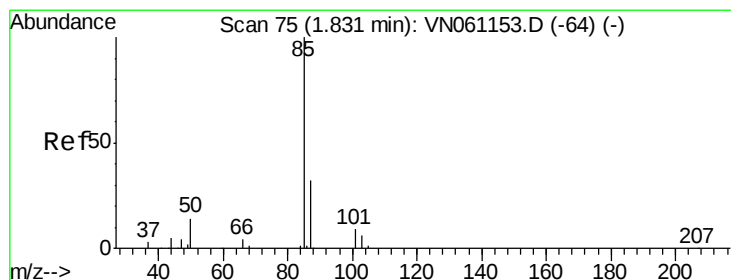
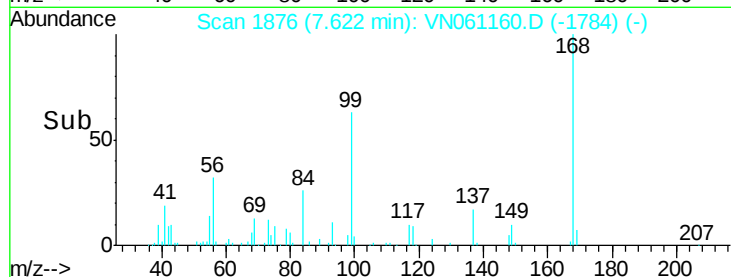
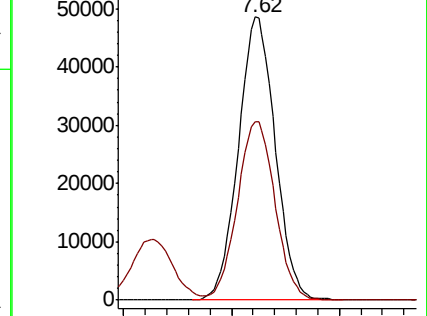
168 100

99 63.2 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.496 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061160.D

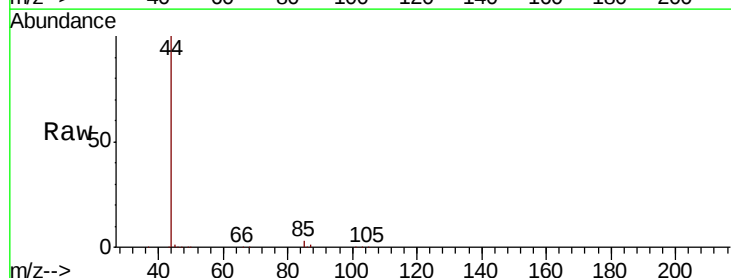
Acq: 28 Apr 2020 13:45

Tgt Ion: 85 Resp: 23889

Ion Ratio Lower Upper

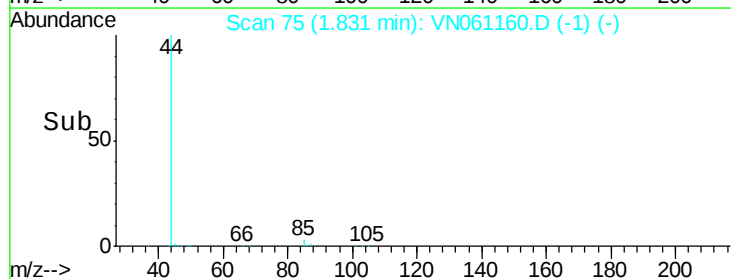
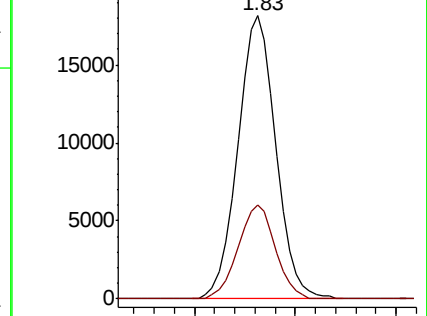
85 100

87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.596 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

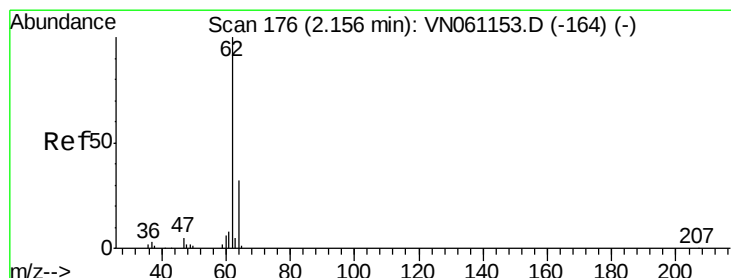
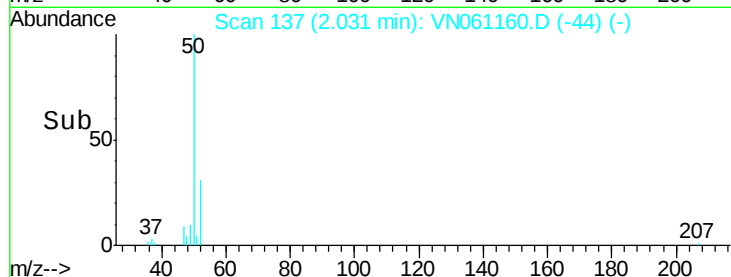
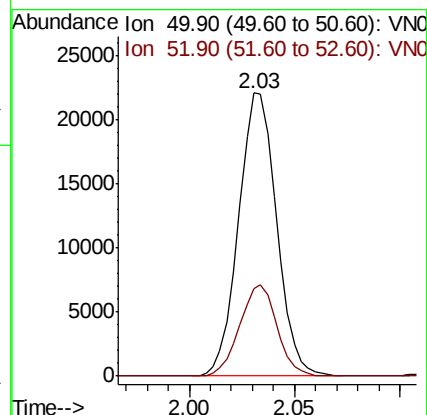
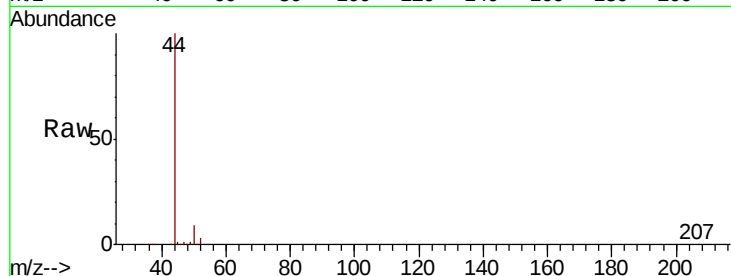
VN0428WBS01

Tot Ion: 50 Resp: 27597

Ion Ratio Lower Upper

50 100

52 31.0 26.0 39.0



#4

Vinyl Chloride

Concen: 18.117 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061160.D

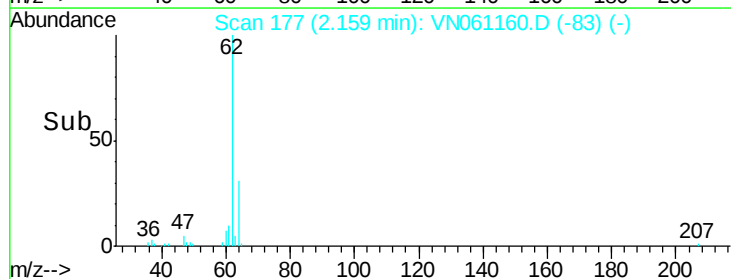
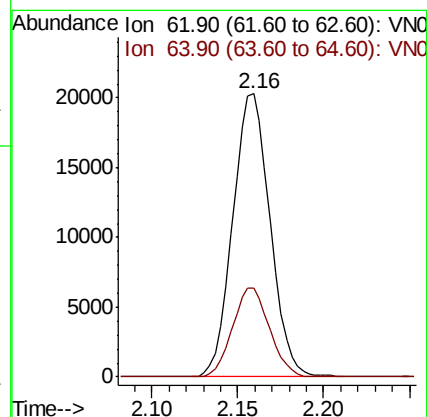
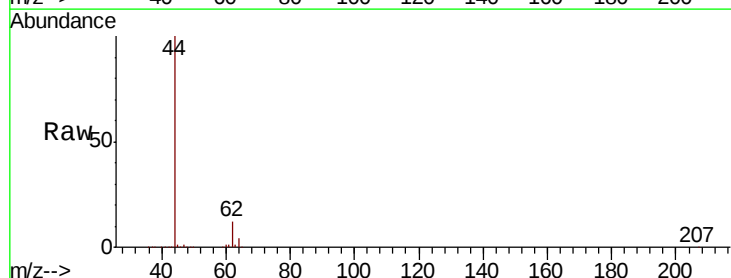
Acq: 28 Apr 2020 13:45

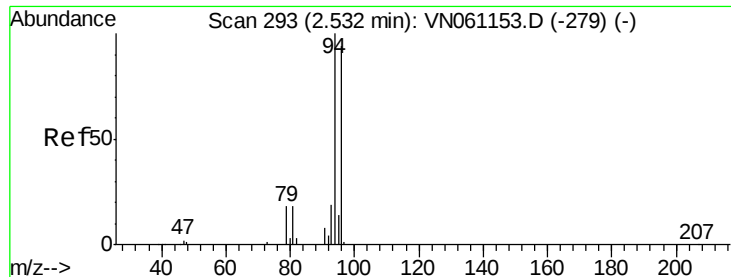
Tgt Ion: 62 Resp: 30537

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 18.770 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

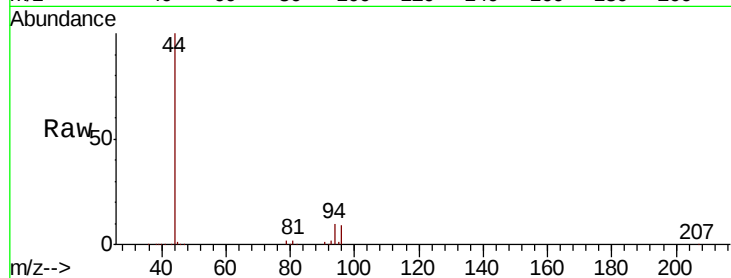
VN0428WBS01

Tot Ion: 94 Resp: 15639

Ion Ratio Lower Upper

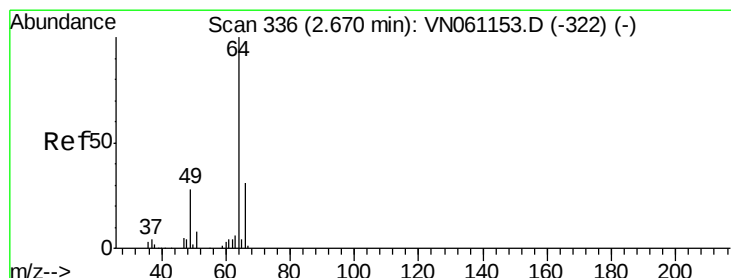
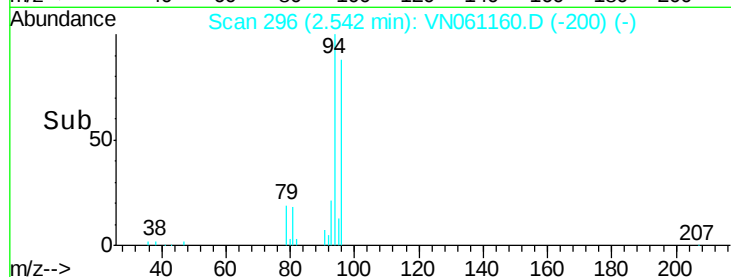
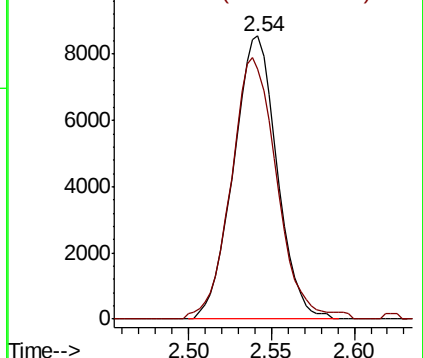
94 100

96 86.7 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.220 ug/l

RT: 2.67 min Scan# 337

Delta R.T. 0.00 min

Lab File: VN061160.D

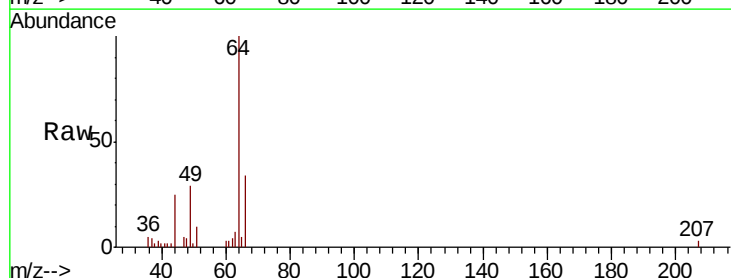
Acq: 28 Apr 2020 13:45

Tgt Ion: 64 Resp: 19465

Ion Ratio Lower Upper

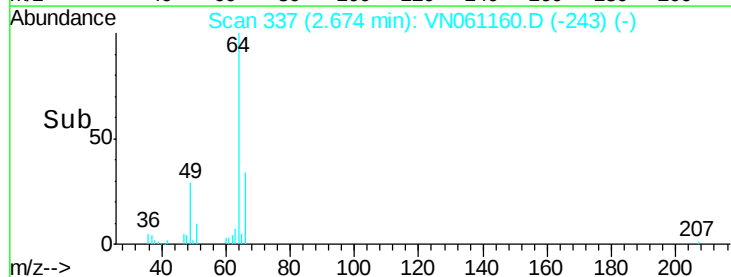
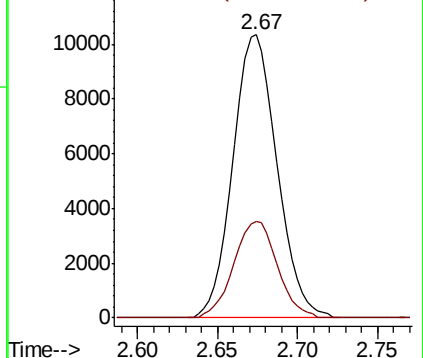
64 100

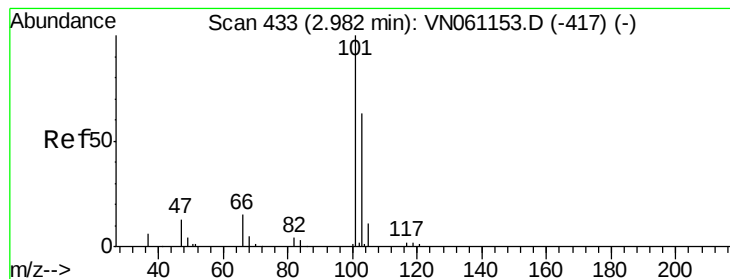
66 34.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



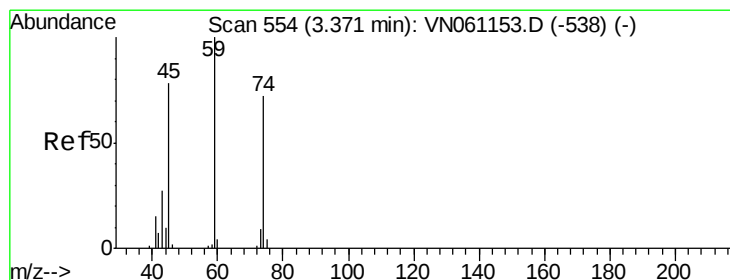
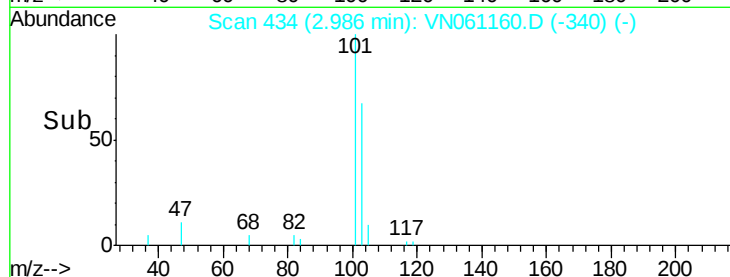
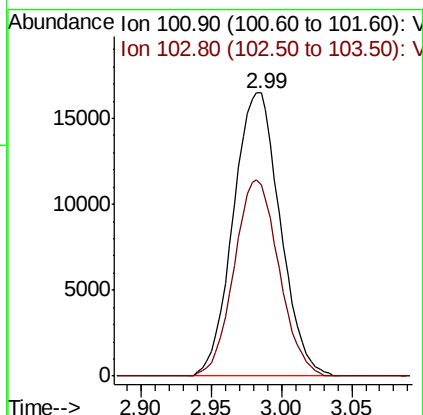
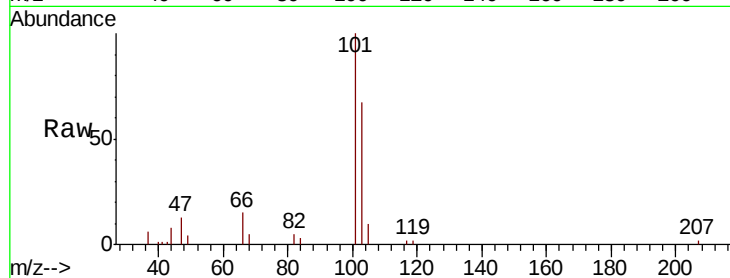


#7

Trichlorofluoromethane
 Concen: 20.151 ug/l
 RT: 2.99 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

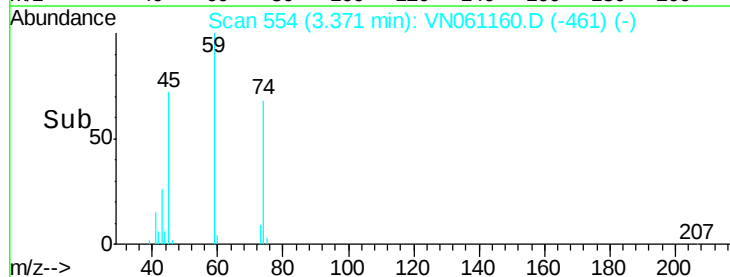
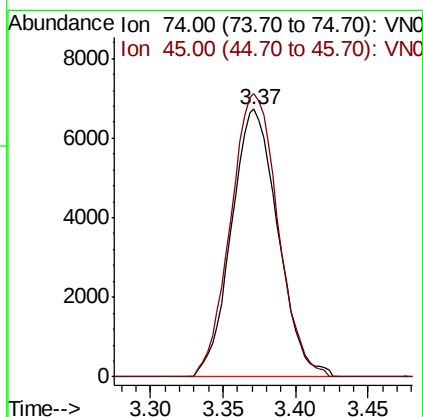
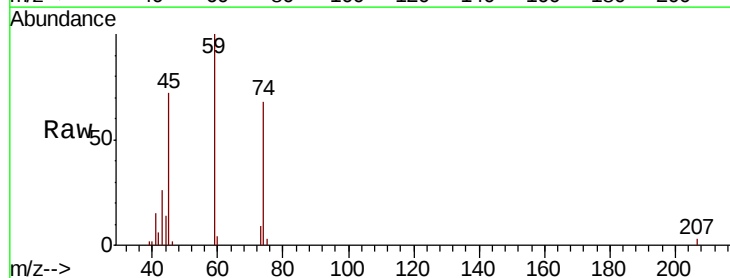
Tot Ion:101 Resp: 38321
 Ion Ratio Lower Upper
 101 100
 103 67.4 50.6 76.0



#8

Diethyl Ether
 Concen: 18.931 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion: 74 Resp: 15016
 Ion Ratio Lower Upper
 74 100
 45 107.8 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.198 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN0428WBS01

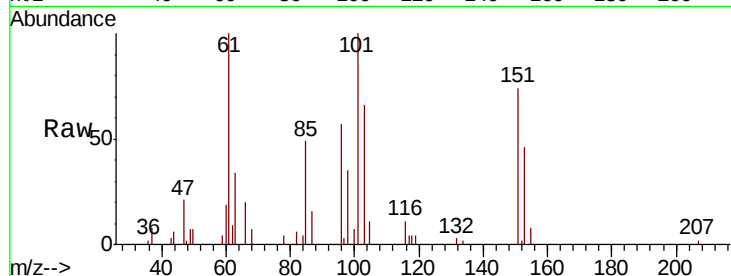
Tot Ion:101 Resp: 23520

Ion Ratio Lower Upper

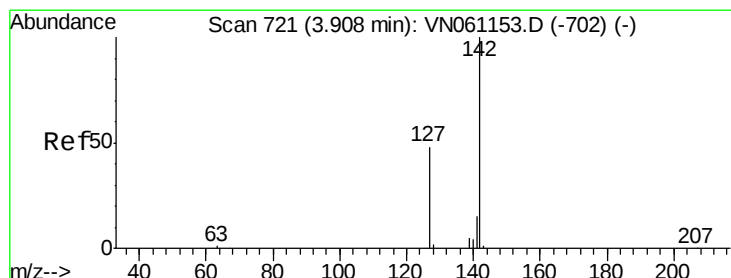
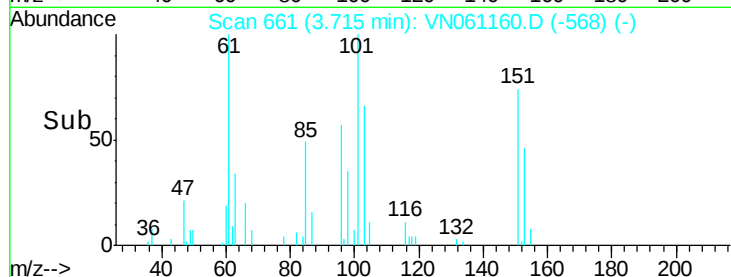
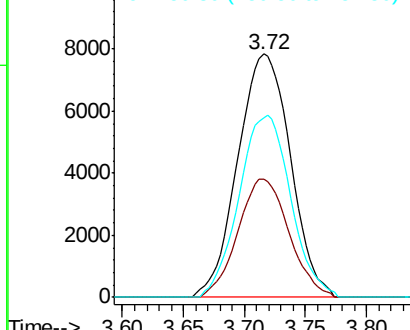
101 100

85 47.1 37.2 55.8

151 73.4 57.7 86.5



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



#10

Methyl Iodide

Concen: 20.007 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

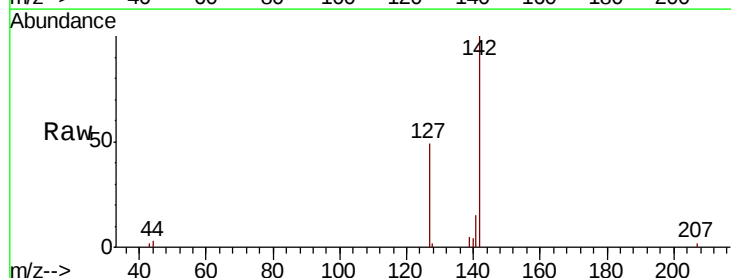
Tgt Ion:142 Resp: 31500

Ion Ratio Lower Upper

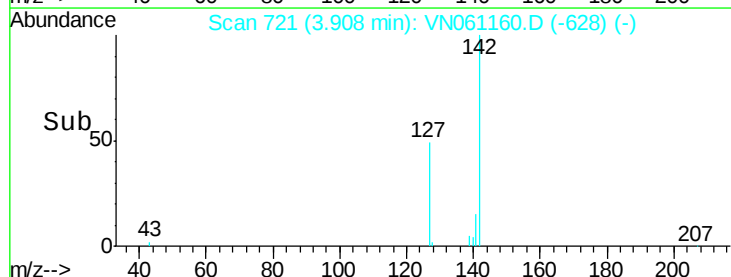
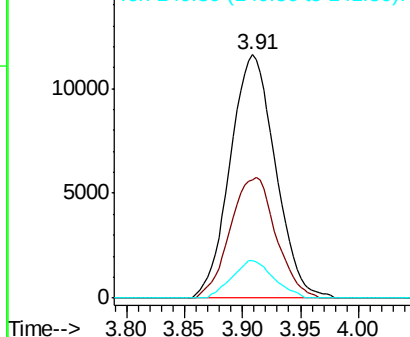
142 100

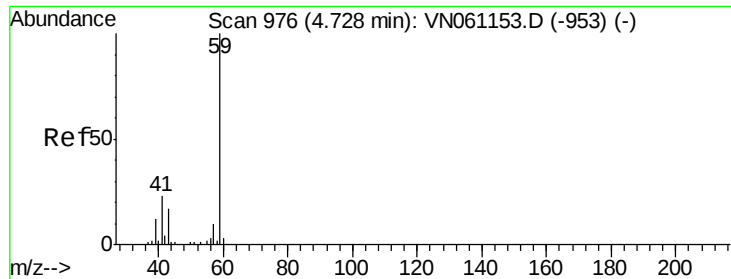
127 50.2 38.0 57.0

141 14.3 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

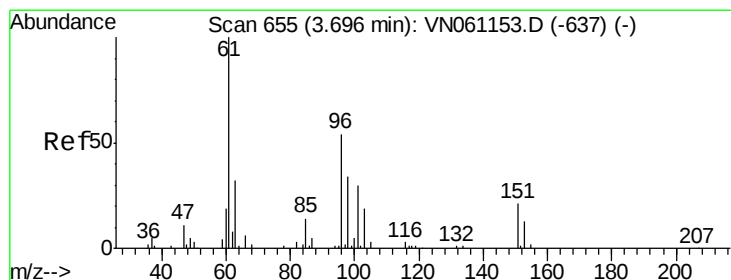
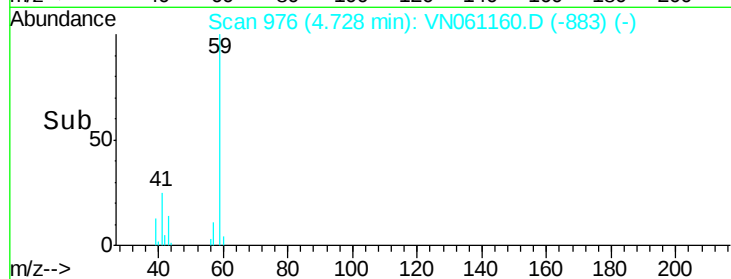
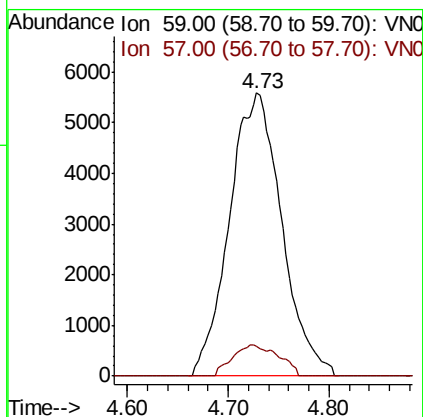
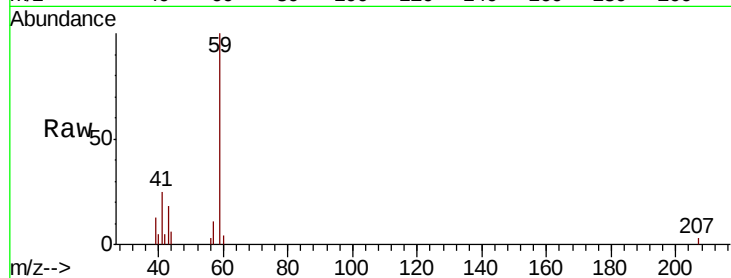




#11
Tert butyl alcohol
Concen: 82.174 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

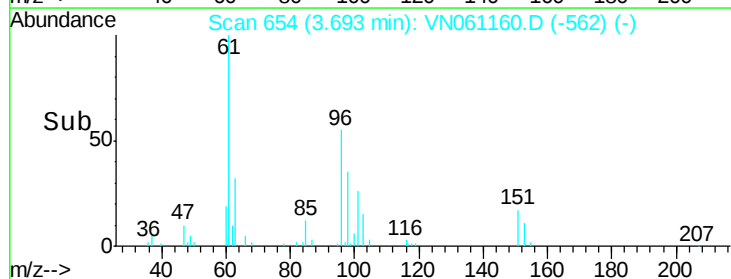
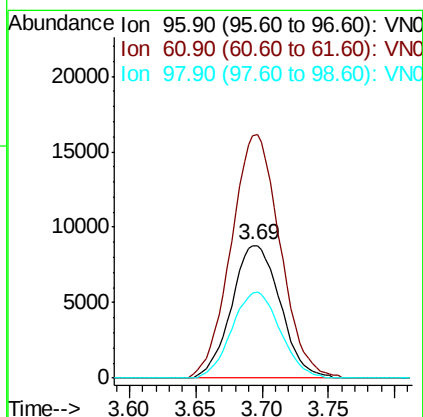
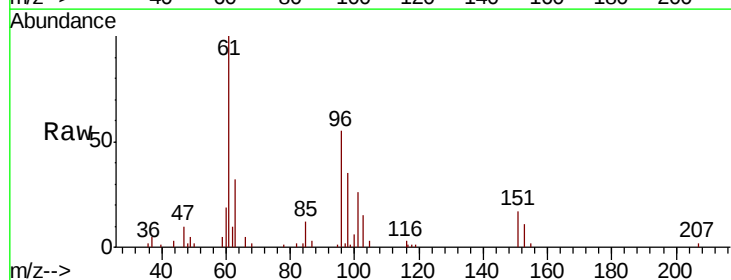
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

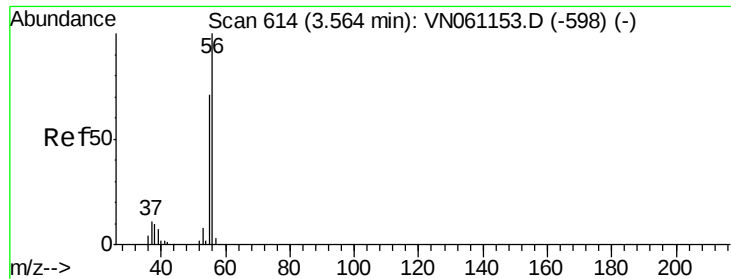
Tot Ion: 59 Resp: 20126
Ion Ratio Lower Upper
59 100
57 9.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 18.390 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 96 Resp: 22420
Ion Ratio Lower Upper
96 100
61 182.6 147.0 220.6
98 64.0 49.8 74.6





#13

Acrolein

Concen: 74.797 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

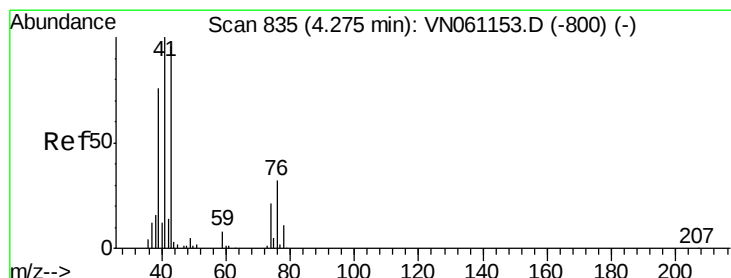
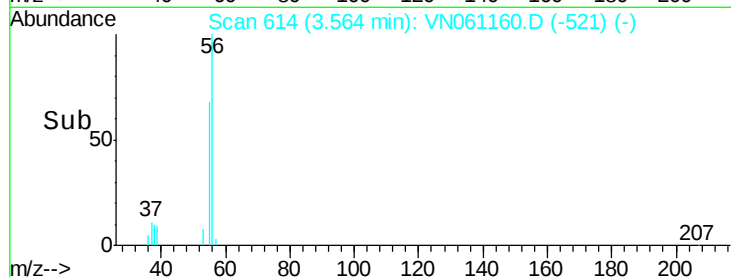
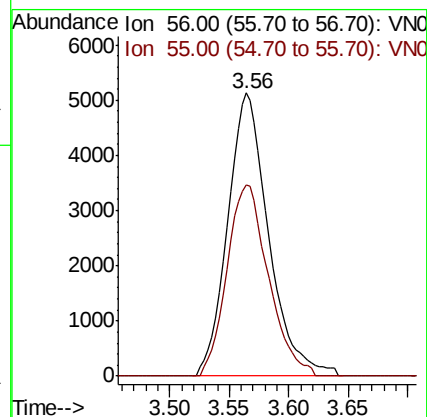
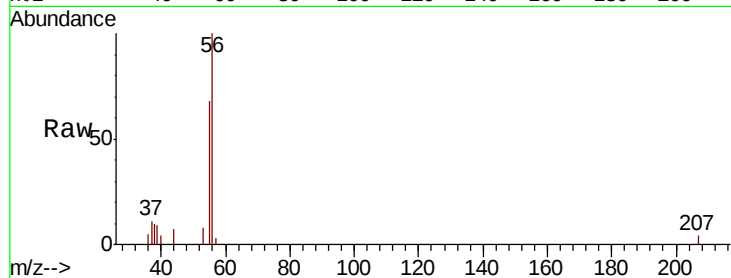
VN0428WBS01

Tot Ion: 56 Resp: 12208

Ion Ratio Lower Upper

56 100

55 68.4 58.5 87.7



#14

Allyl chloride

Concen: 20.838 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

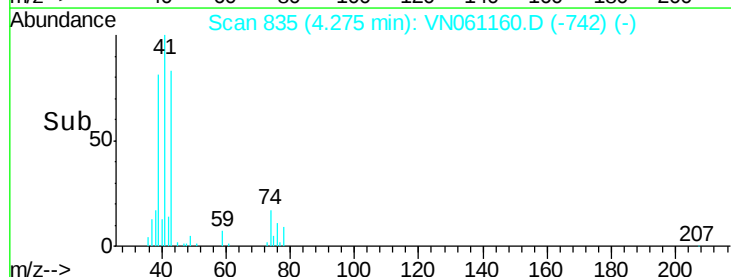
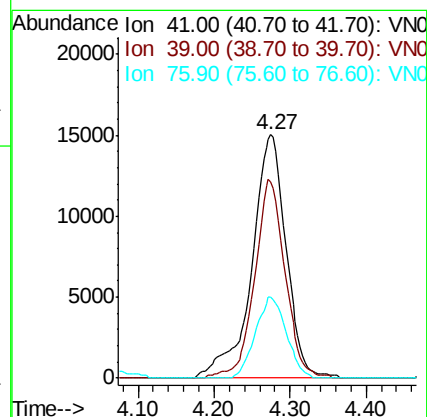
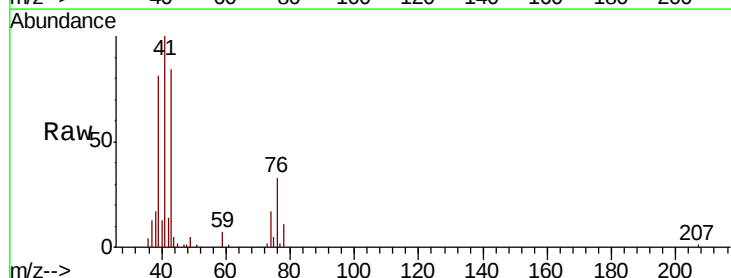
Tgt Ion: 41 Resp: 47104

Ion Ratio Lower Upper

41 100

39 72.7 57.1 85.7

76 30.0 24.3 36.5





#15

Acrylonitrile

Concen: 86.537 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

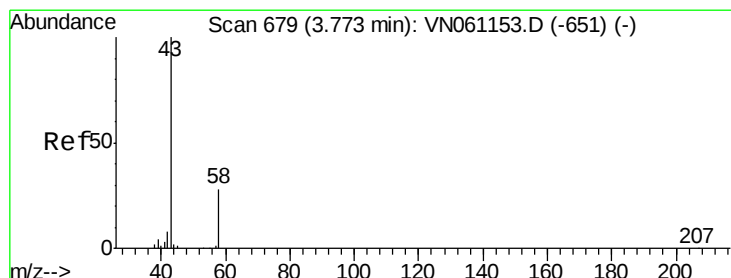
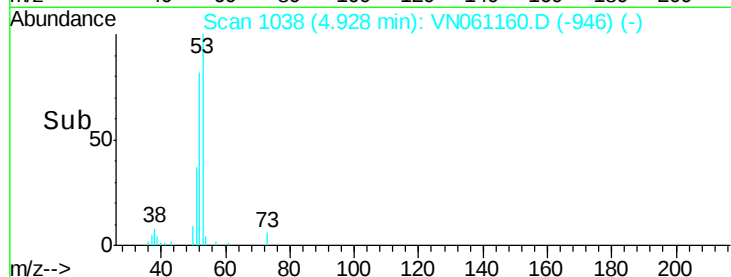
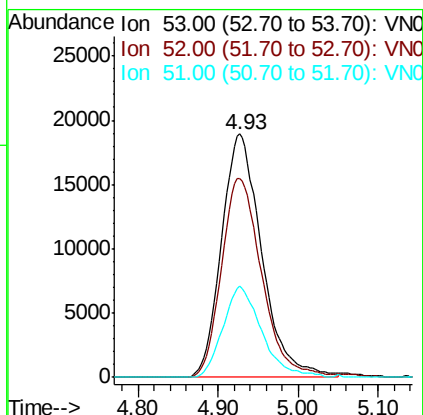
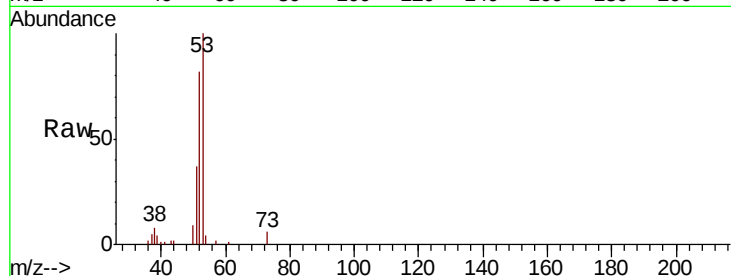
Tot Ion: 53 Resp: 65062

Ion Ratio Lower Upper

53 100

52 81.5 65.4 98.0

51 36.0 29.5 44.3



#16

Acetone

Concen: 75.478 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061160.D

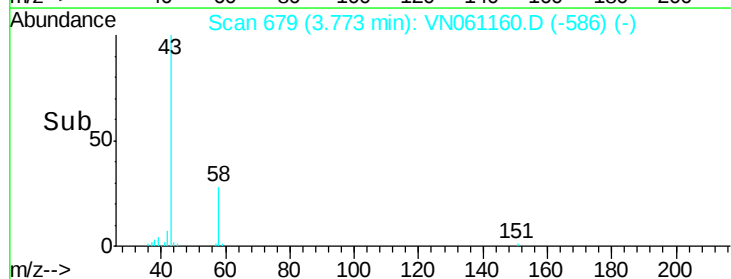
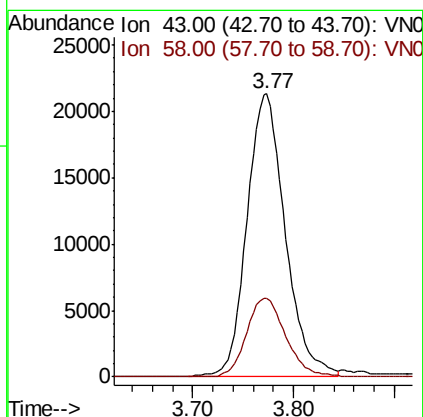
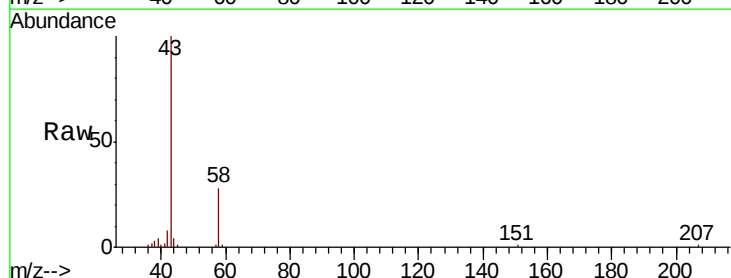
Acq: 28 Apr 2020 13:45

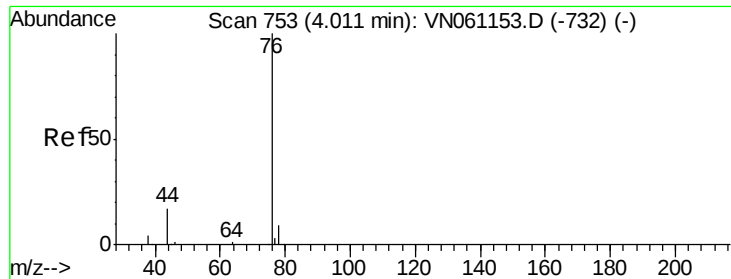
Tgt Ion: 43 Resp: 56098

Ion Ratio Lower Upper

43 100

58 27.6 22.2 33.2

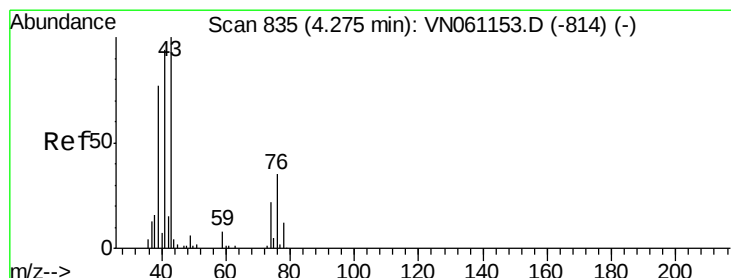
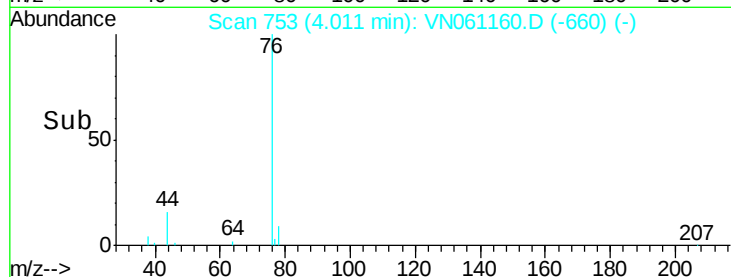
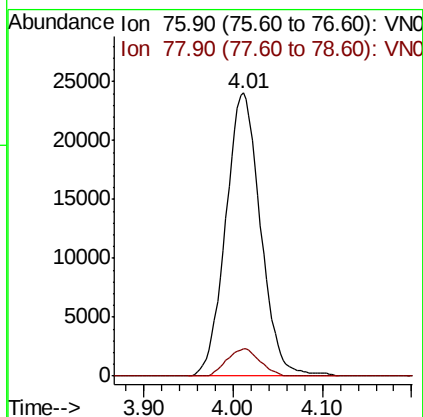
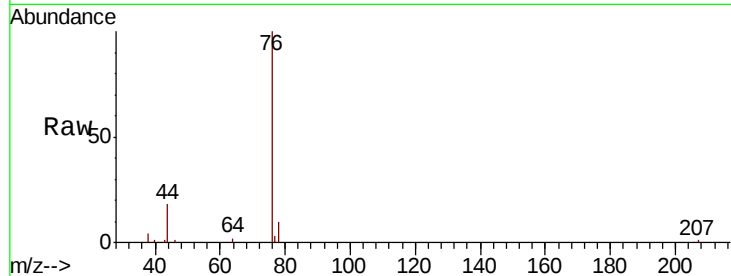




#17
Carbon Disulfide
Concen: 19.297 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

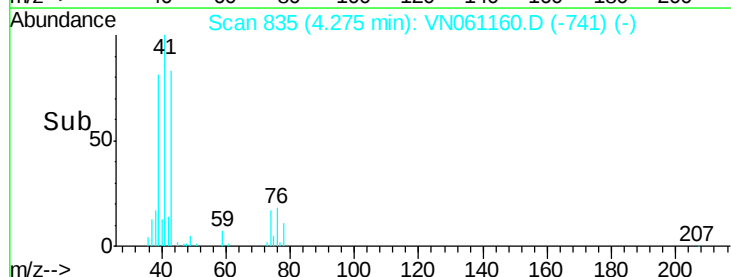
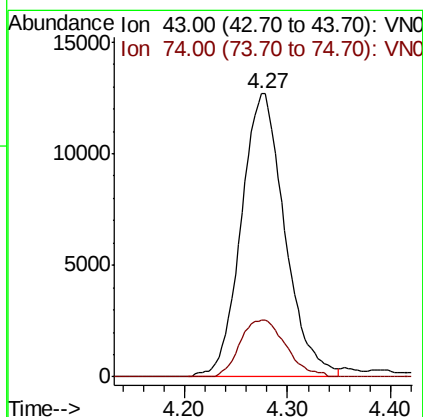
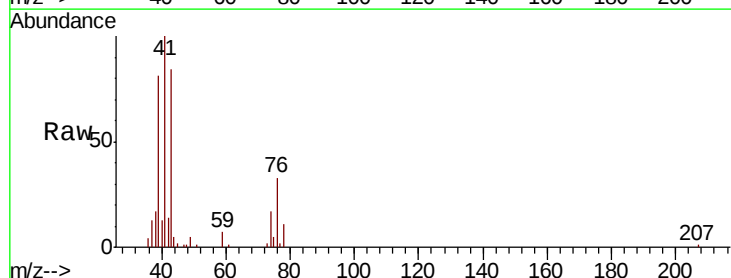
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

Tot Ion: 76 Resp: 64986
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#18
Methyl Acetate
Concen: 16.641 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 43 Resp: 37346
Ion Ratio Lower Upper
43 100
74 21.2 17.0 25.4

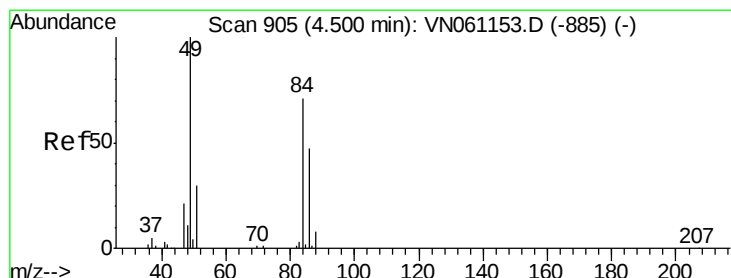
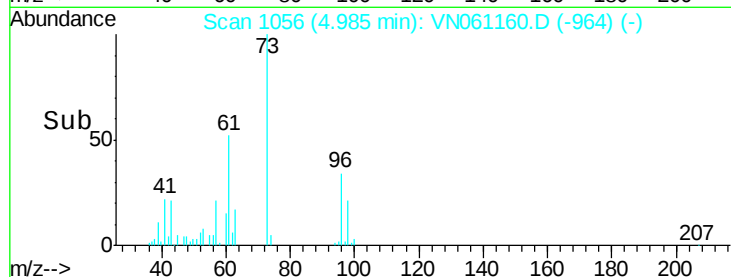
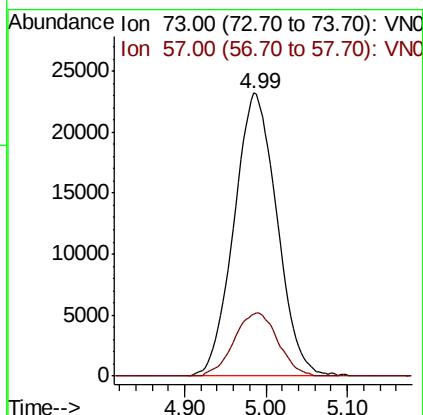
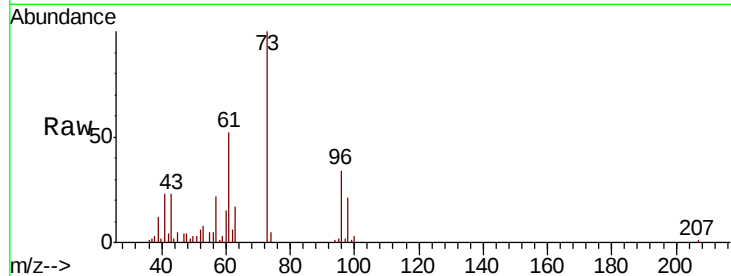




#19
Methvl tert-butvl Ether
Concen: 18.215 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

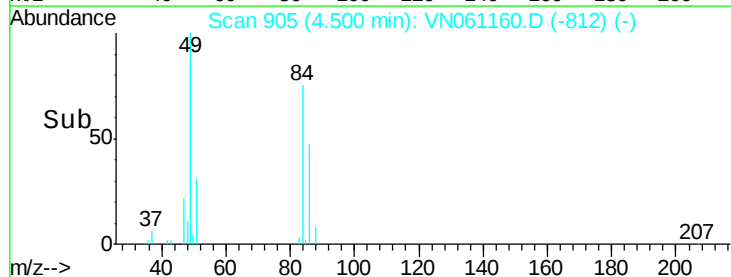
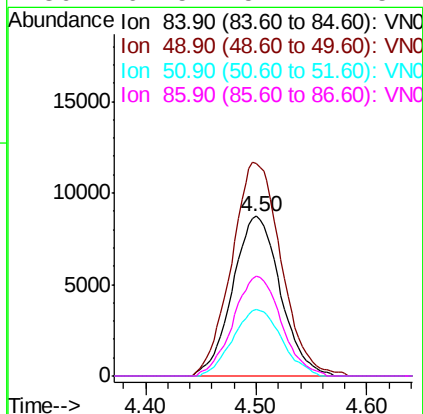
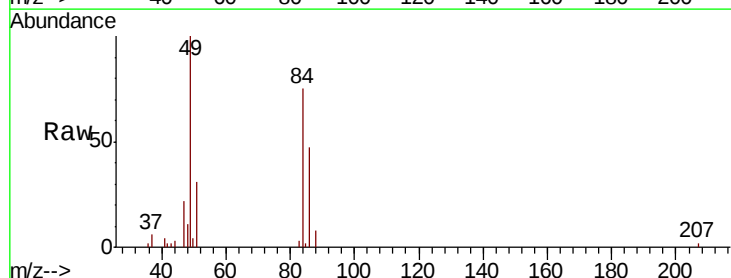
Instrument :
MSVOA_N
ClientSampled :
VN0428WBS01

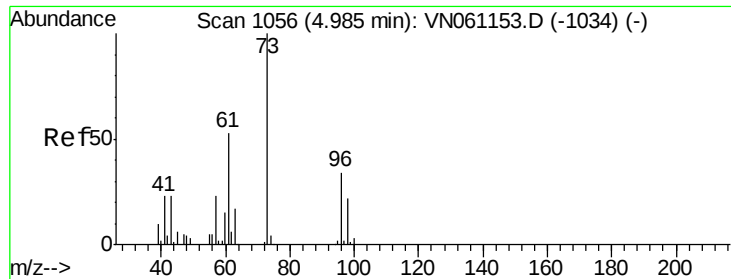
Tot Ion: 73 Resp: 84856
Ion Ratio Lower Upper
73 100
57 21.9 18.3 27.5



#20
Methylene Chloride
Concen: 18.396 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 84 Resp: 26226
Ion Ratio Lower Upper
84 100
49 133.4 112.0 168.0
51 41.6 33.6 50.4
86 62.5 52.1 78.1

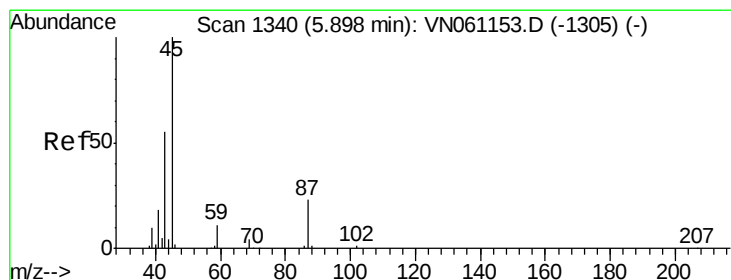
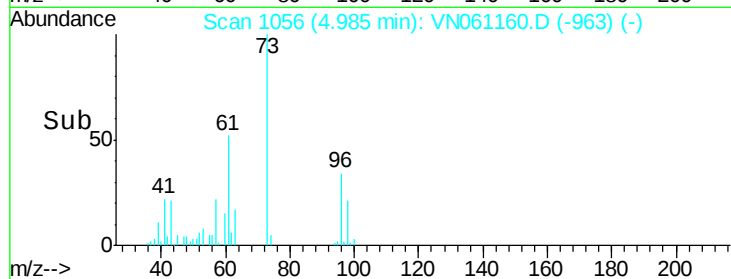
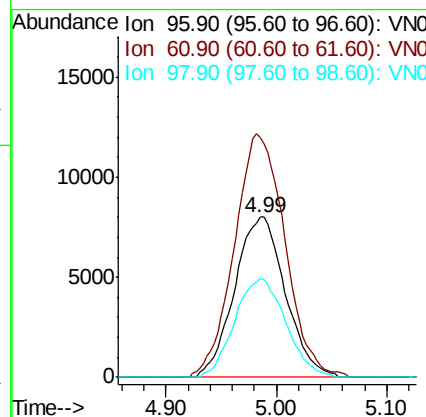
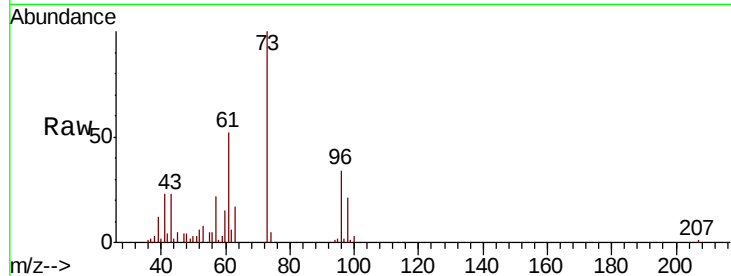




#21
trans-1,2-Dichloroethene
Concen: 19.234 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

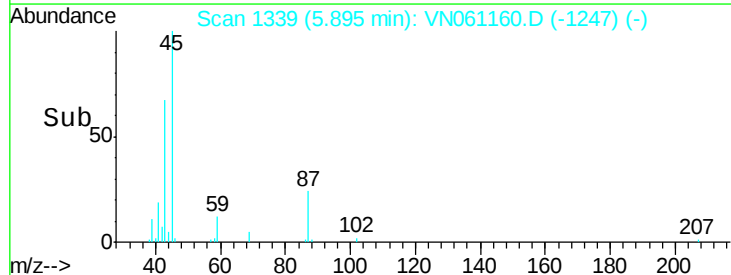
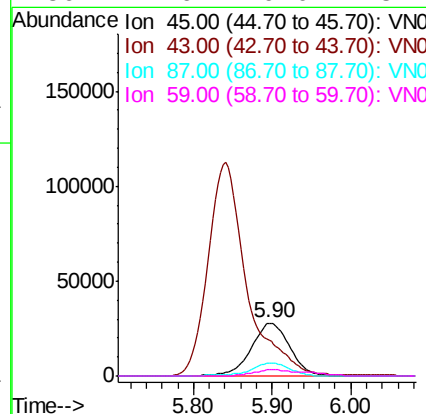
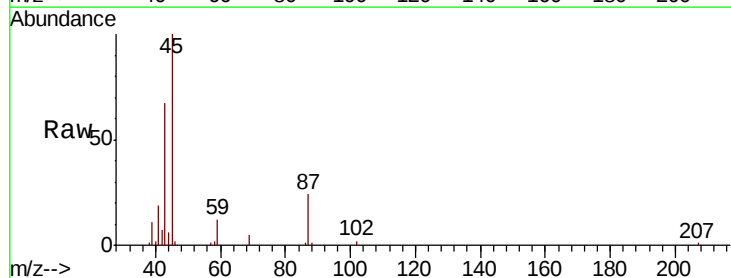
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

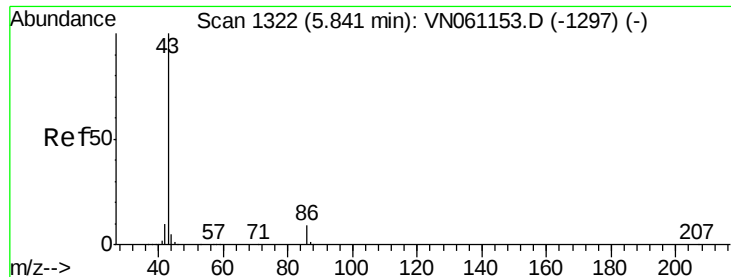
Tot Ion: 96 Resp: 25534
Ion Ratio Lower Upper
96 100
61 147.7 123.0 184.4
98 61.8 50.1 75.1



#22
Diisopropyl ether
Concen: 18.416 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 45 Resp: 96536
Ion Ratio Lower Upper
45 100
43 65.1 47.9 71.9
87 24.2 19.2 28.8
59 11.6 9.0 13.4

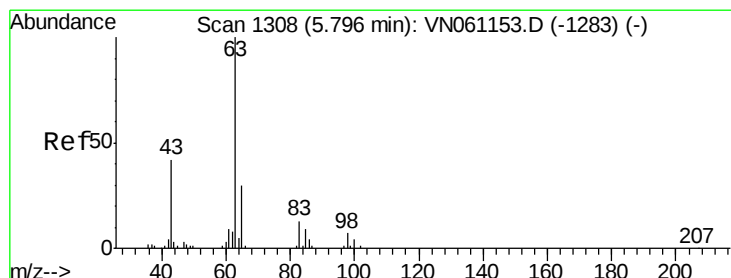
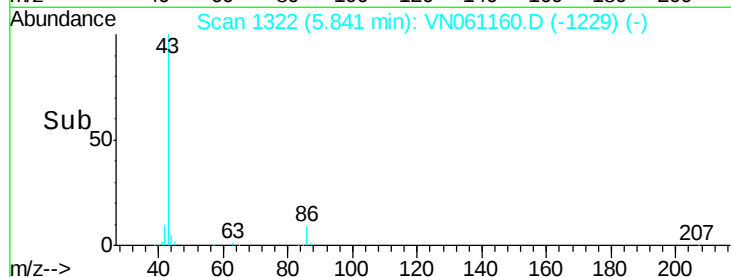
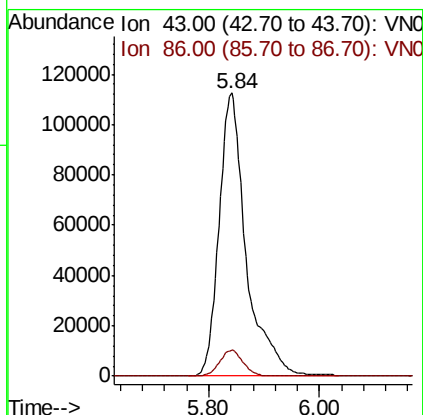
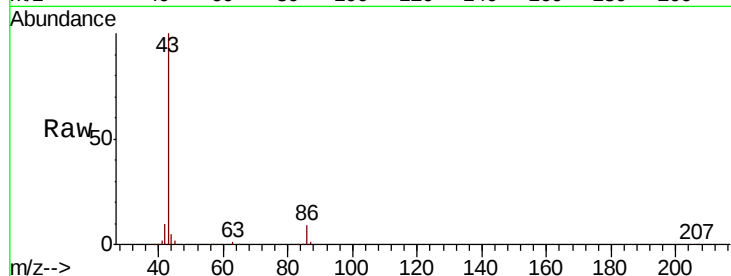




#23
 Vinyl Acetate
 Concen: 90.682 ug/l
 RT: 5.84 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

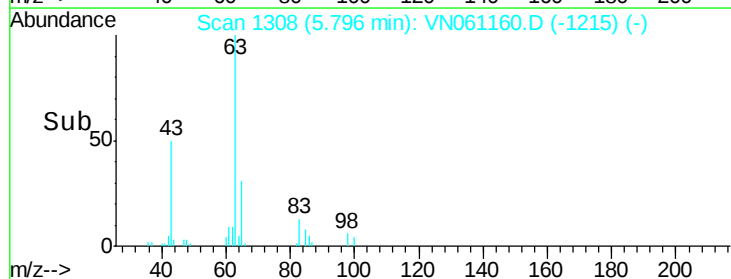
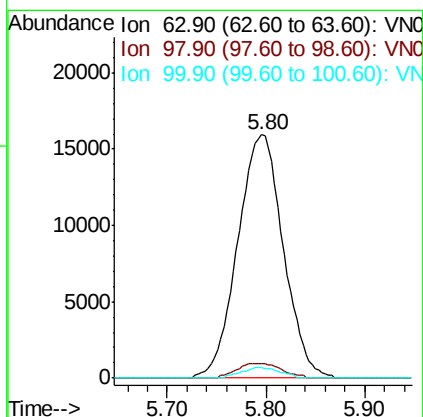
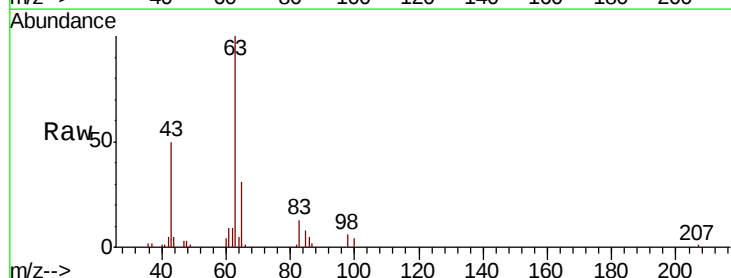
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

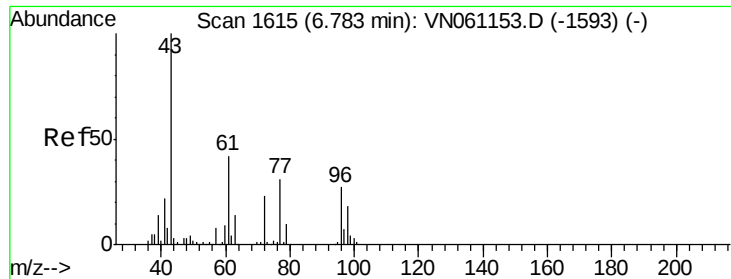
Tot Ion: 43 Resp: 382741
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 18.625 ug/l
 RT: 5.80 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion: 63 Resp: 51011
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.3 9.9
 100 4.3 1.9 5.7





#25

2-Butanone

Concen: 82.477 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

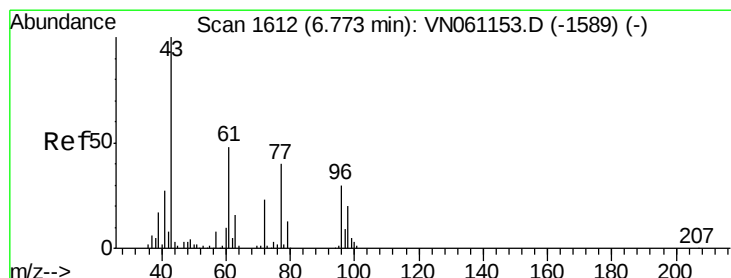
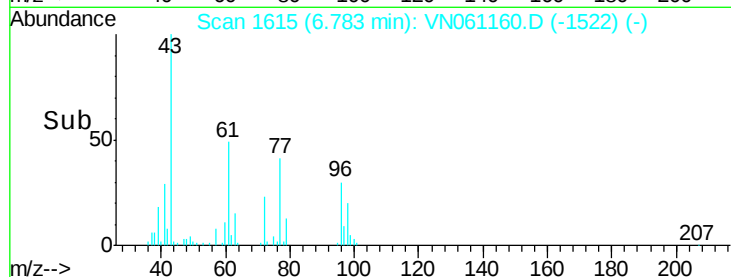
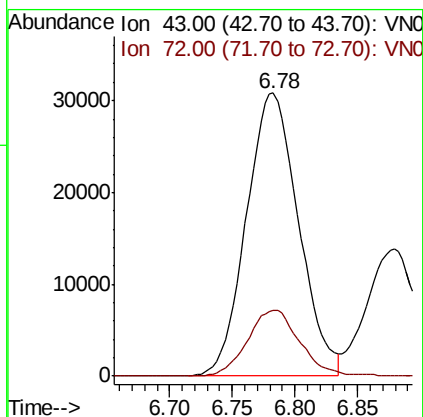
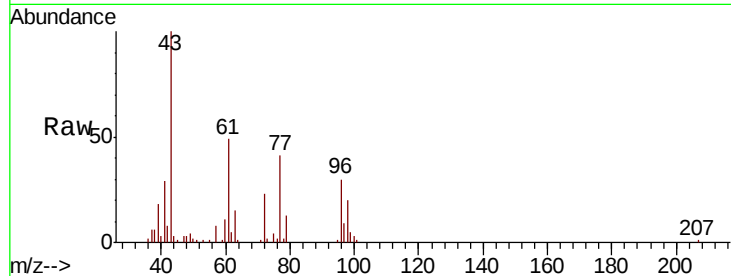
VN0428WBS01

Tot Ion: 43 Resp: 89231

Ion Ratio Lower Upper

43 100

72 23.4 18.2 27.4



#26

2,2-Dichloropropane

Concen: 20.120 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061160.D

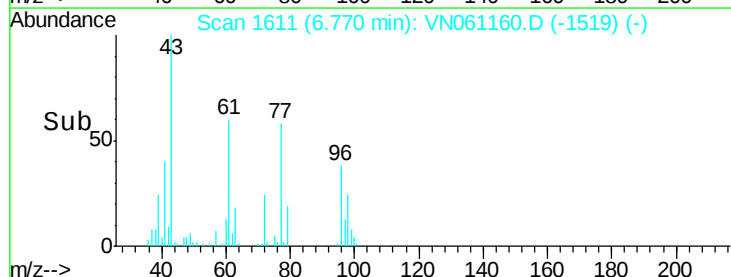
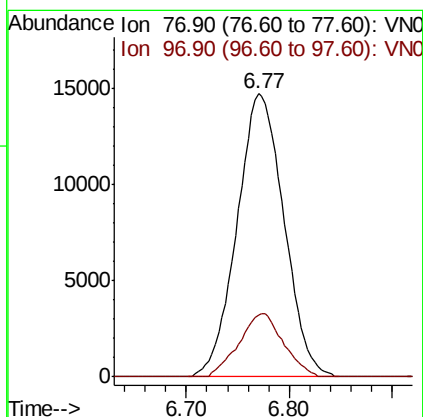
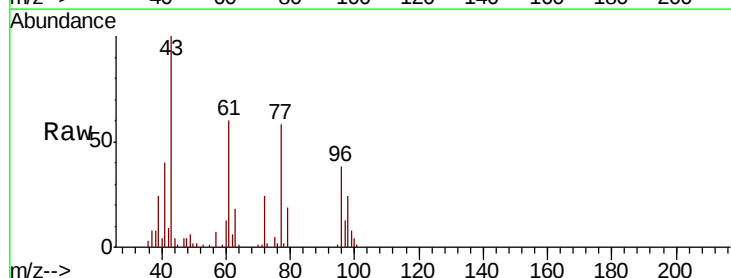
Acq: 28 Apr 2020 13:45

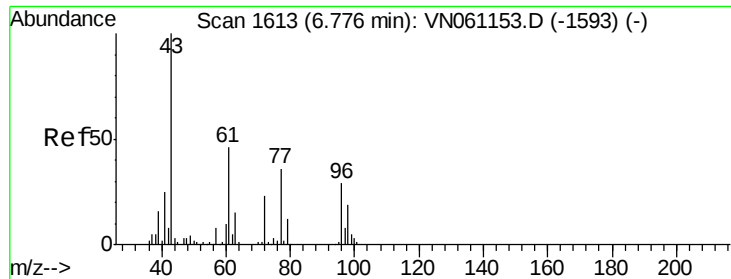
Tgt Ion: 77 Resp: 46413

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.531 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN0428WBS01

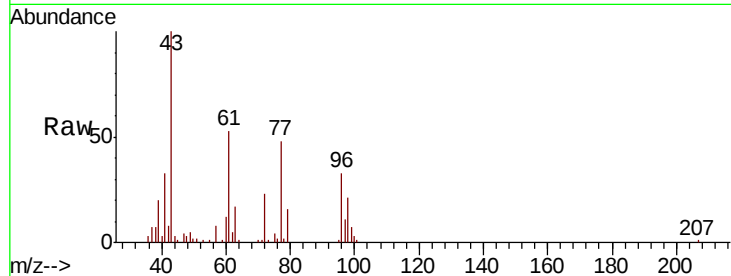
Tot Ion: 96 Resp: 28869

Ion Ratio Lower Upper

96 100

61 163.6 0.0 322.0

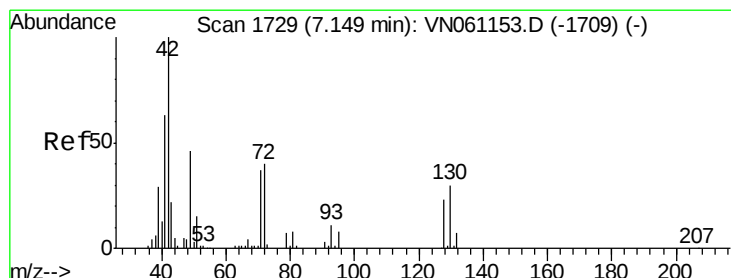
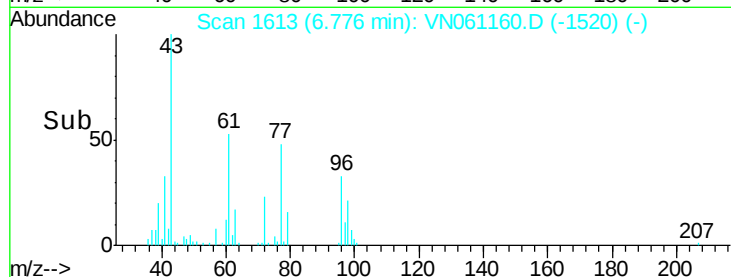
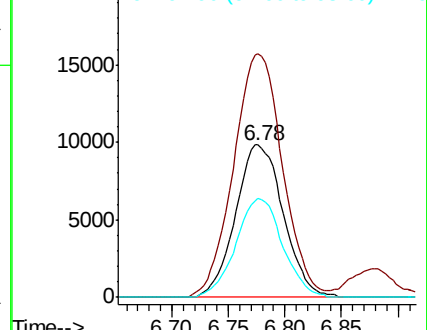
98 63.5 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.543 ug/l

RT: 7.15 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

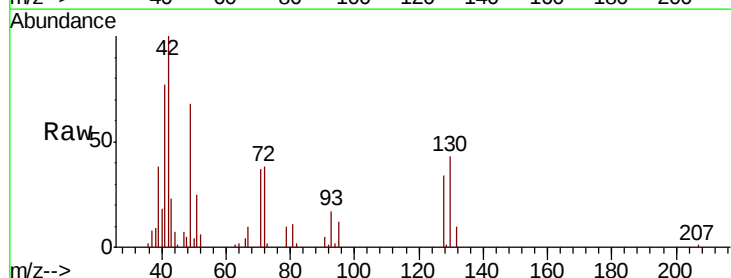
Tgt Ion: 49 Resp: 25369

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.0

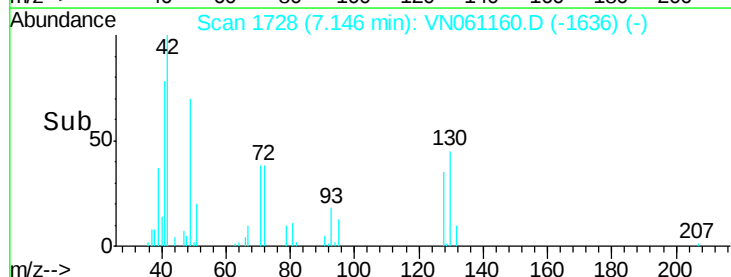
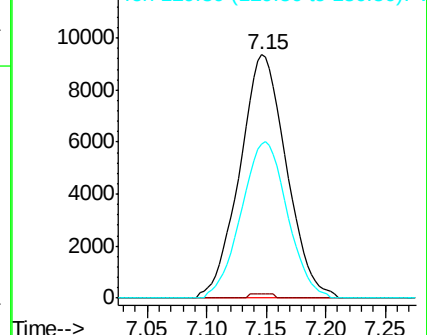
130 63.6 51.4 77.2

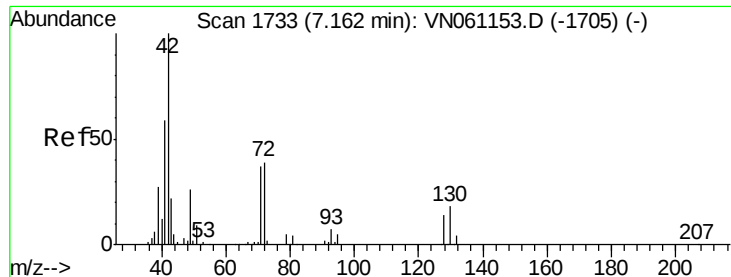


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

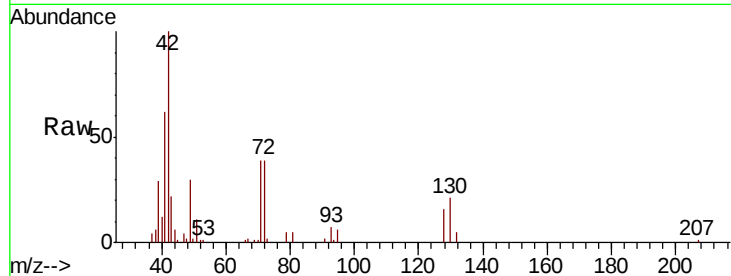




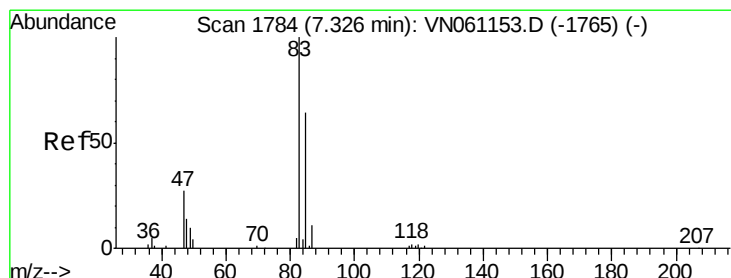
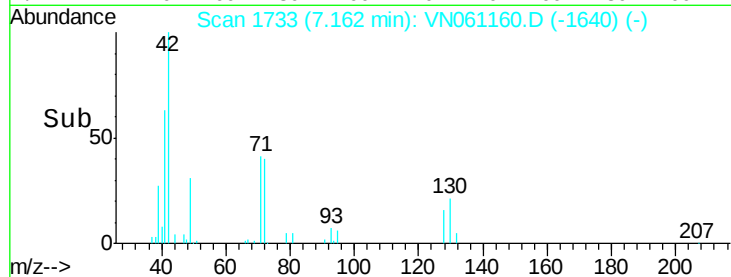
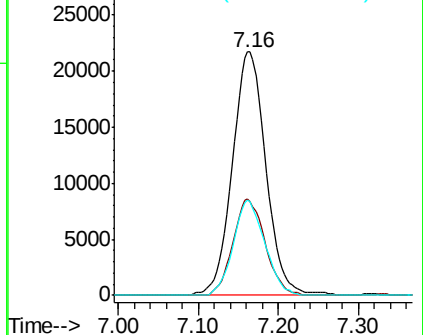
#29
Tetrahydrofuran
Concen: 84.664 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Instrument :
MSVOA_N
ClientSampled :
VN0428WBS01

Tot Ion: 42 Resp: 61702
Ion Ratio Lower Upper
42 100
72 37.9 31.4 47.0
71 36.6 29.5 44.3

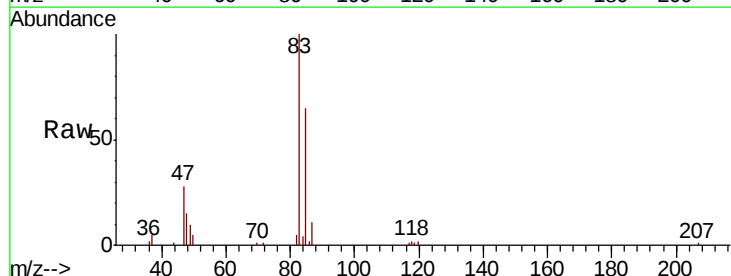


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

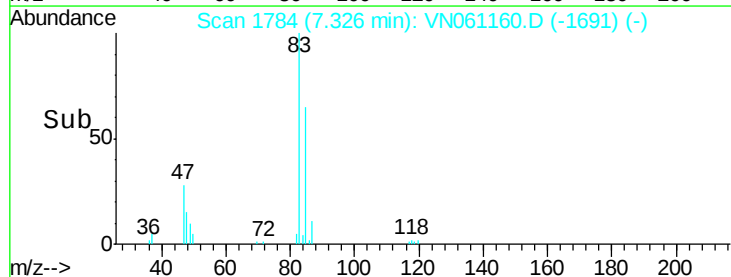
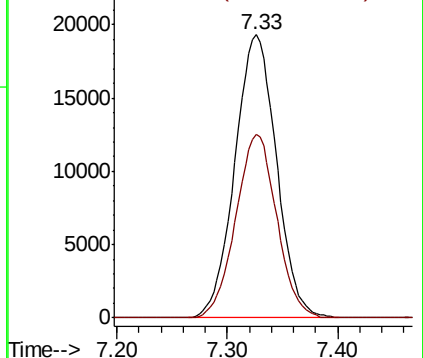


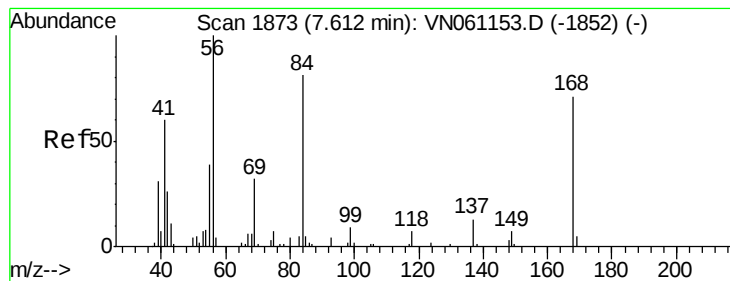
#30
Chloroform
Concen: 18.171 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 83 Resp: 50432
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7



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





#31

Cyclohexane

Concen: 18.487 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN0428WBS01

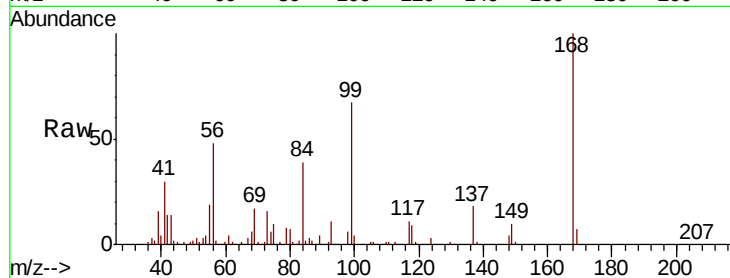
Tot Ion: 56 Resp: 49171

Ion Ratio Lower Upper

56 100

69 36.0 25.7 38.5

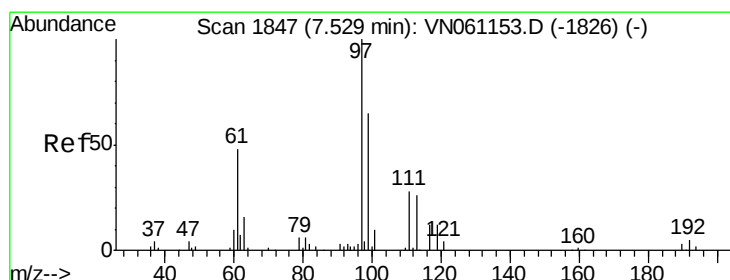
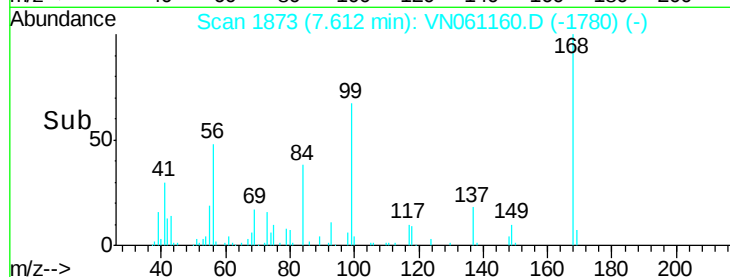
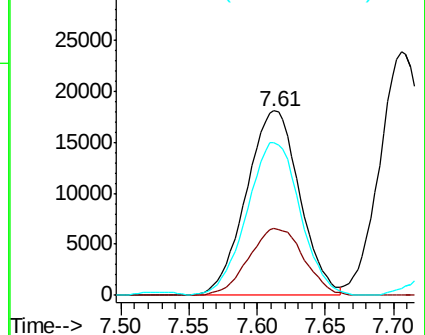
84 82.5 64.6 97.0



Abundance Ion 56.00 (55.70 to 56.70): VN061160.D (-1780) (-)

Ion 69.00 (68.70 to 69.70): VN061160.D (-1780) (-)

Ion 84.00 (83.70 to 84.70): VN061160.D (-1780) (-)



#32

1,1,1-Trichloroethane

Concen: 18.459 ug/l

RT: 7.53 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

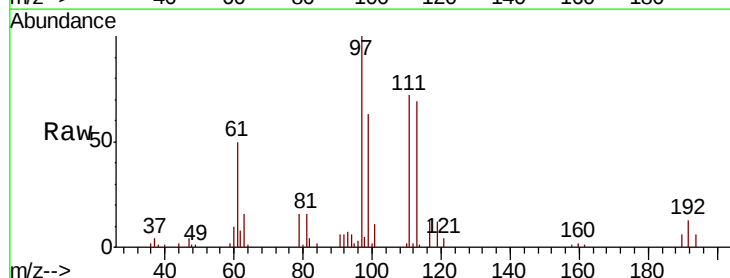
Tgt Ion: 97 Resp: 44613

Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

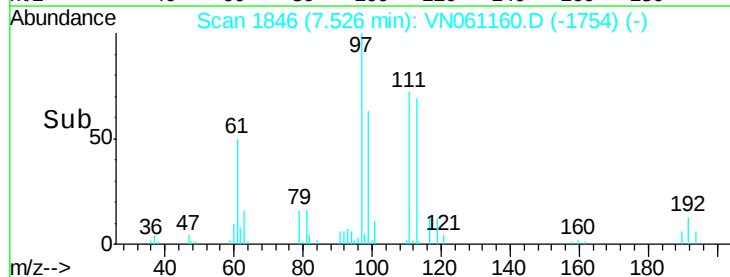
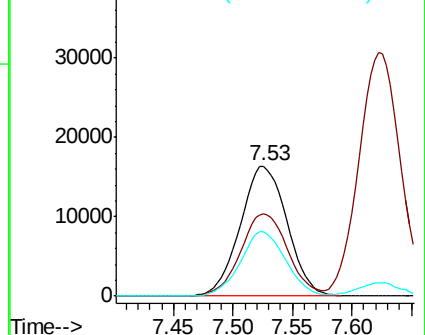
61 48.0 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VN061160.D (-1754) (-)

Ion 98.90 (98.60 to 99.60): VN061160.D (-1754) (-)

Ion 60.90 (60.60 to 61.60): VN061160.D (-1754) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.644 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

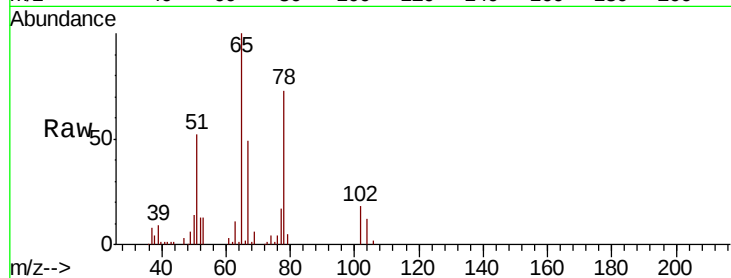
VN0428WBS01

Tot Ion: 65 Resp: 92595

Ion Ratio Lower Upper

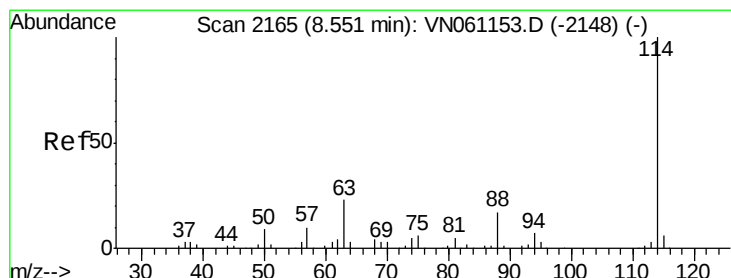
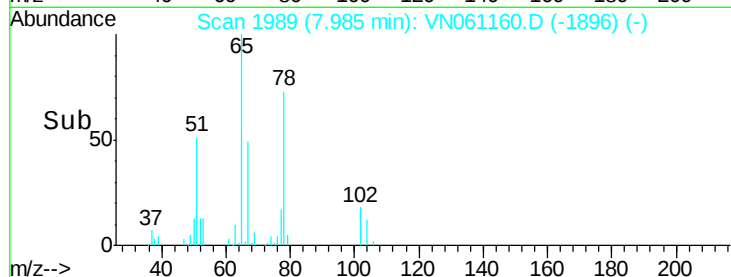
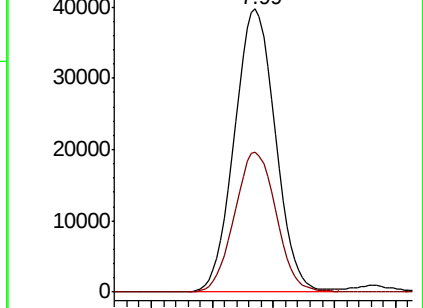
65 100

67 50.0 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

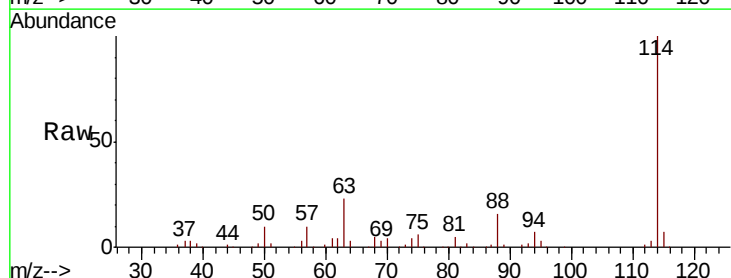
Tgt Ion: 114 Resp: 198940

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.6

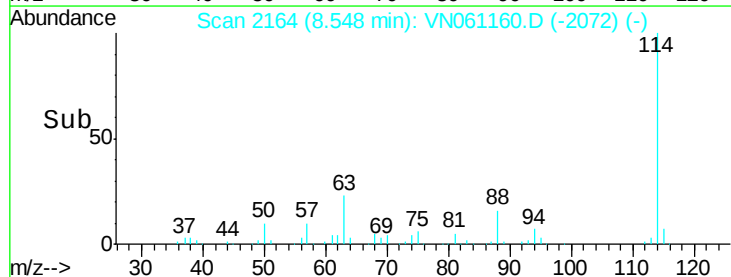
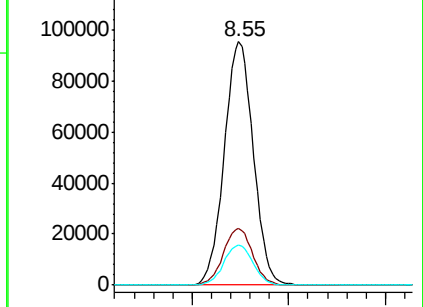
88 16.4 0.0 33.4

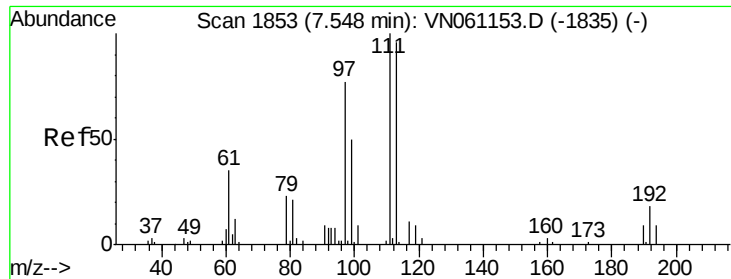


Abundance Ion 113.90 (113.60 to 114.60): VN061153.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN061153.D (-2148) (-)

Ion 87.90 (87.60 to 88.60): VN061153.D (-2148) (-)

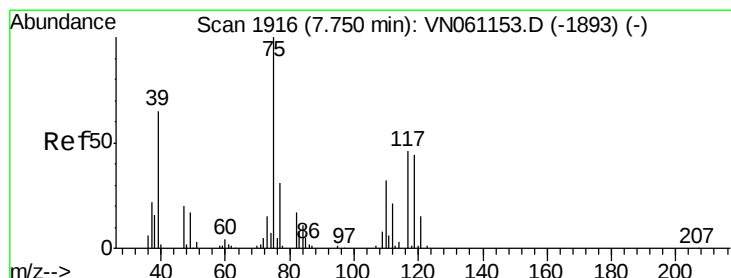
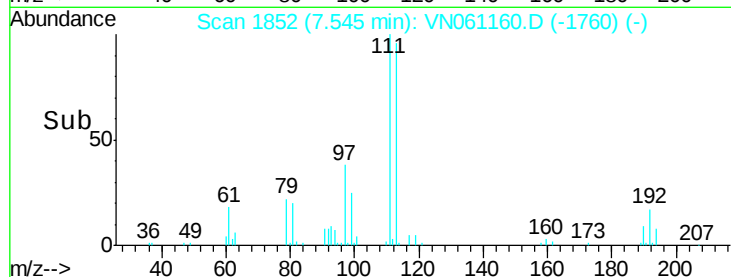
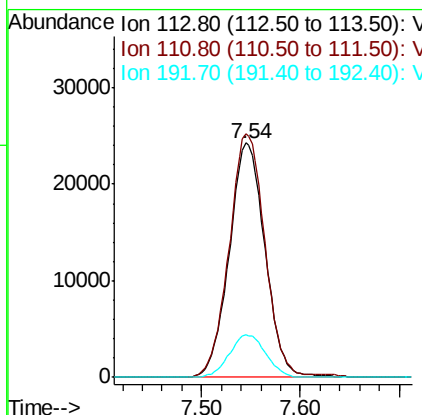
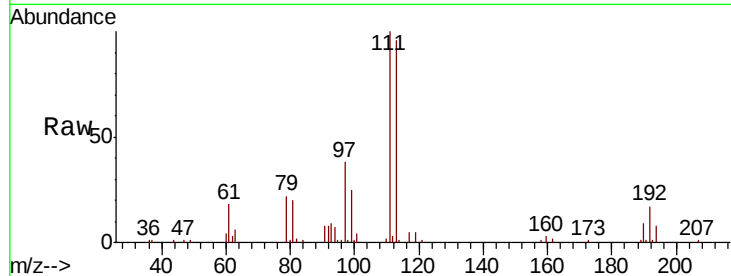




#35
 Dibromofluoromethane
 Concen: 51.973 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

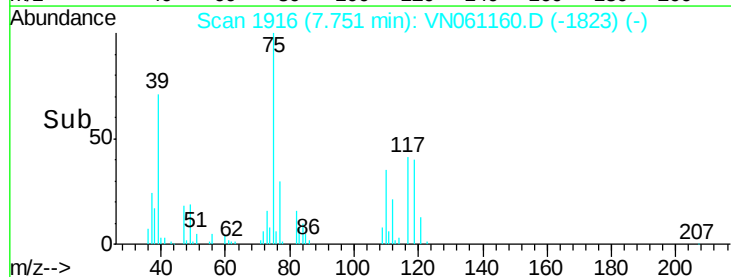
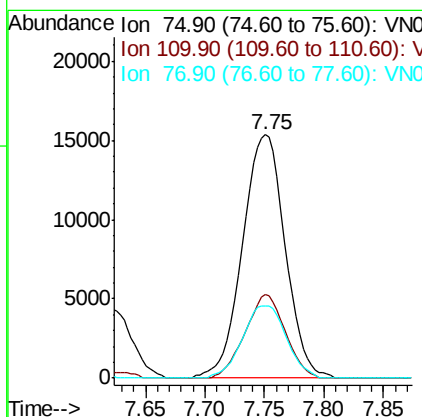
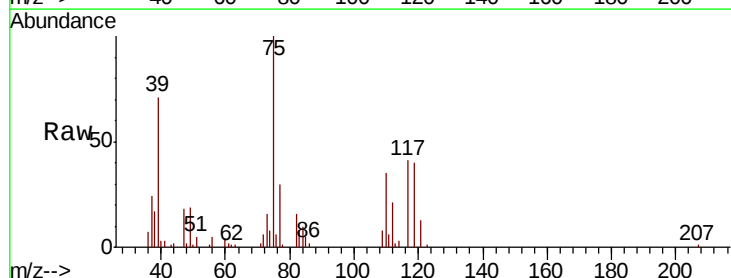
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

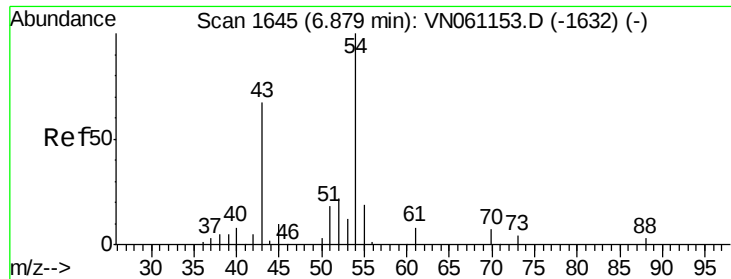
Tot Ion:113 Resp: 61140
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.9 124.3
 192 18.3 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 19.106 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion: 75 Resp: 38050
 Ion Ratio Lower Upper
 75 100
 110 32.3 16.0 48.0
 77 30.7 24.6 37.0

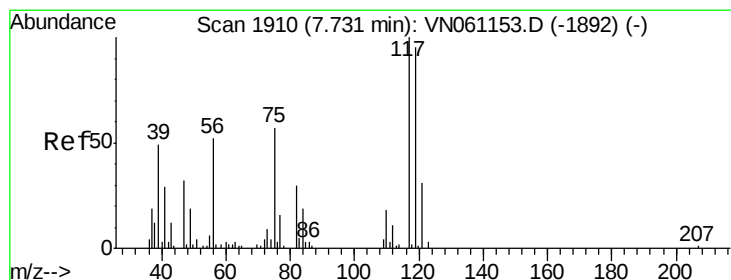
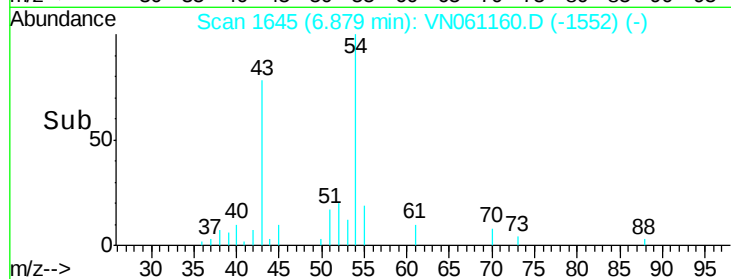
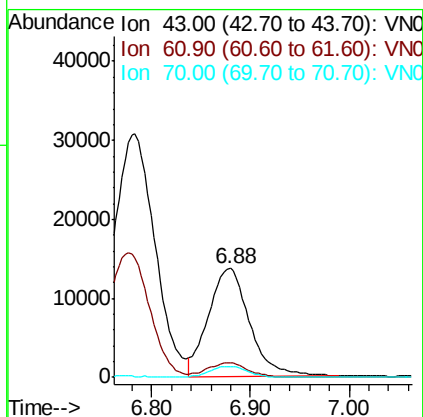
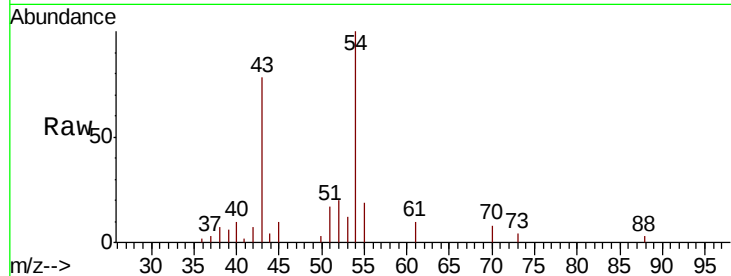




#37
Ethyl Acetate
Concen: 17.073 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

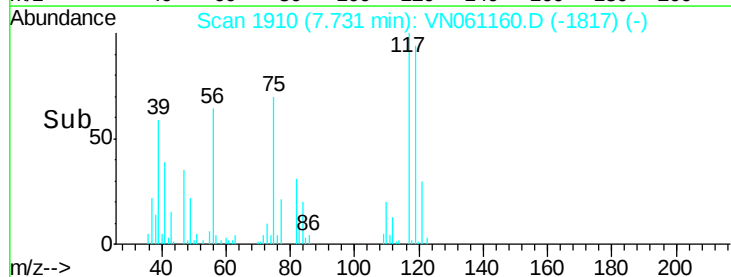
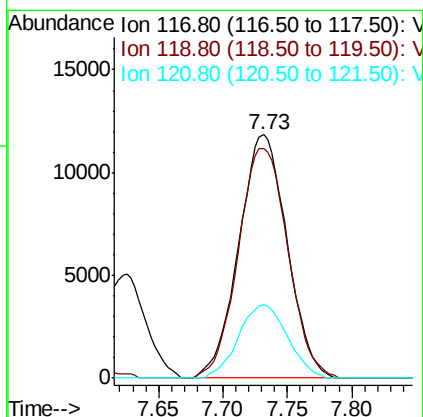
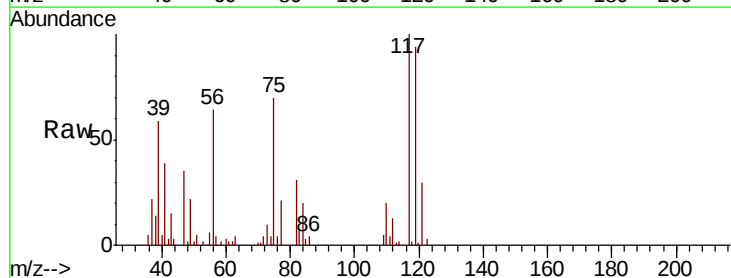
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

Tot Ion: 43 Resp: 39860
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 9.2 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.365 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 117 Resp: 30840
Ion Ratio Lower Upper
117 100
119 94.3 75.8 113.6
121 30.3 24.7 37.1

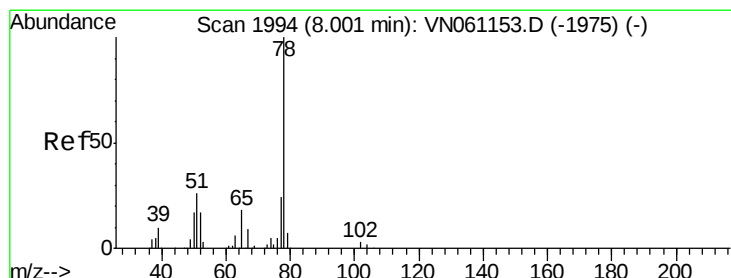
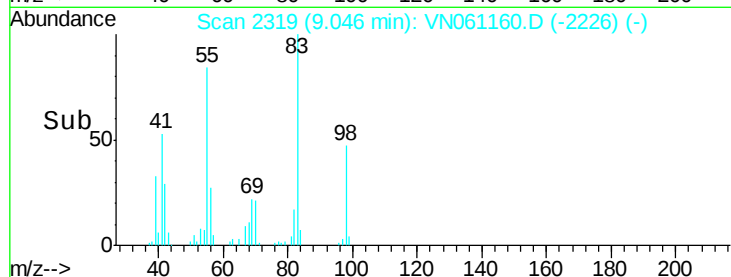
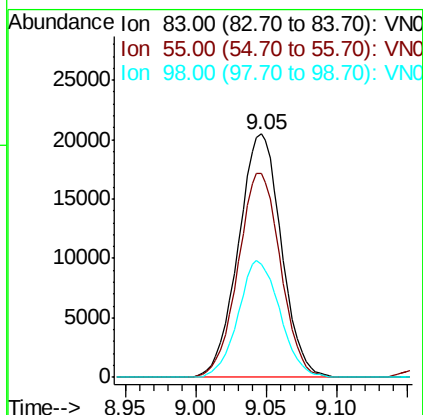
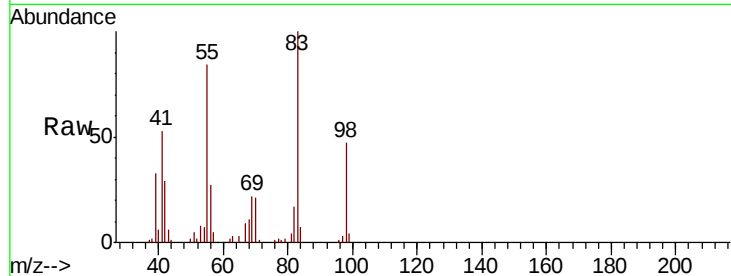




#39
Methvlcvclohexane
Concen: 19.268 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

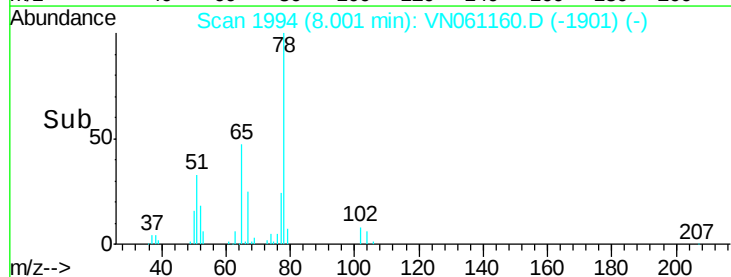
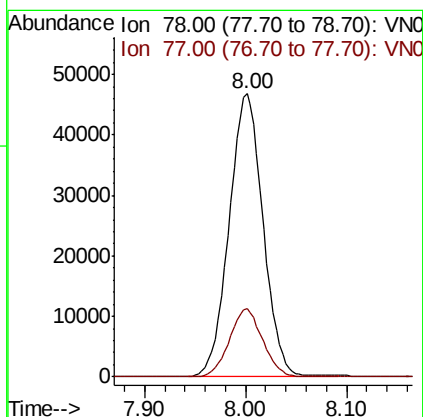
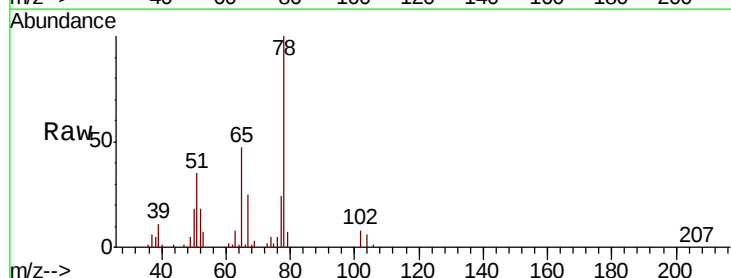
Instrument :
MSVOA_N
ClientSampled :
VN0428WBS01

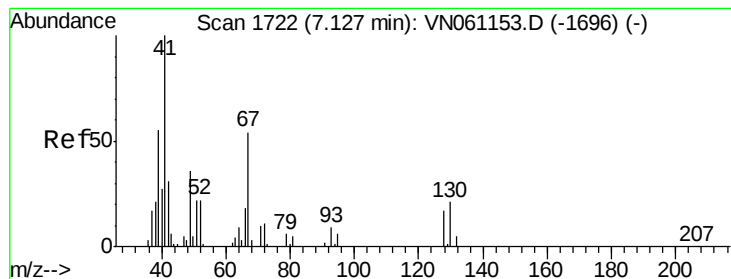
Tot Ion: 83 Resp: 43554
Ion Ratio Lower Upper
83 100
55 83.7 67.3 100.9
98 46.6 37.7 56.5



#40
Benzene
Concen: 18.483 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 78 Resp: 109660
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 17.499 ug/l

RT: 7.12 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

Tot Ion: 41 Resp: 16963

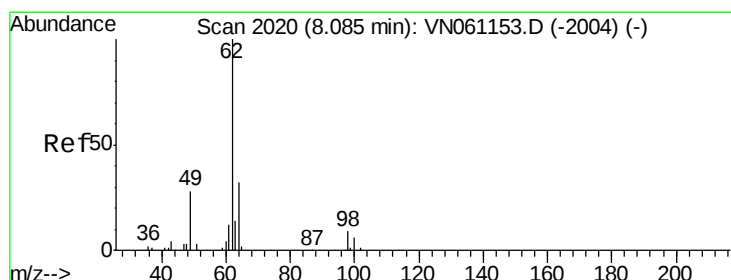
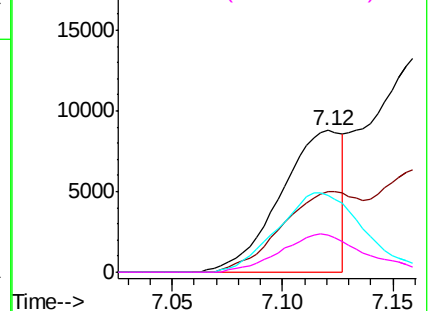
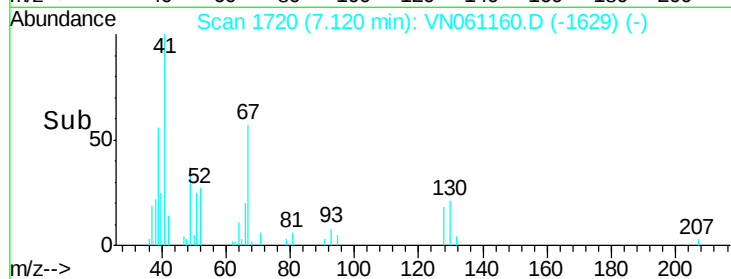
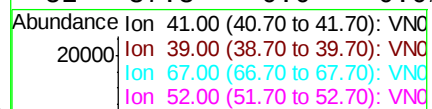
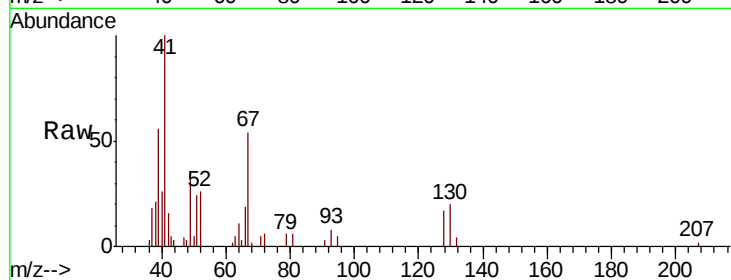
Ion Ratio Lower Upper

41 100

39 72.1 0.0 0.0#

67 79.4 0.0 0.0#

52 37.3 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 19.102 ug/l

RT: 8.08 min Scan# 2019

Delta R.T. -0.00 min

Lab File: VN061160.D

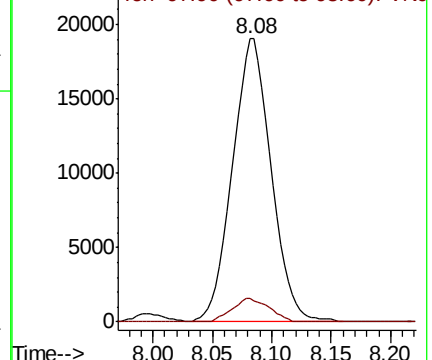
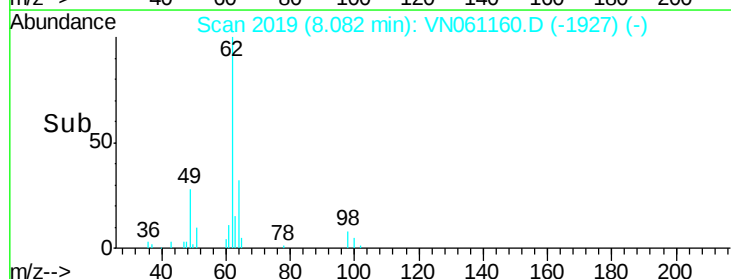
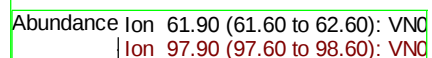
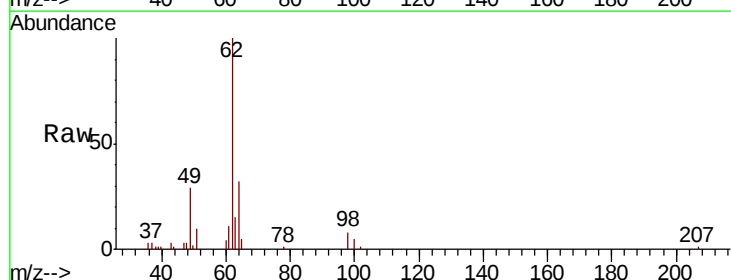
Acq: 28 Apr 2020 13:45

Tgt Ion: 62 Resp: 42936

Ion Ratio Lower Upper

62 100

98 8.0 0.0 16.8





#43

Isopropyl Acetate

Concen: 17.653 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

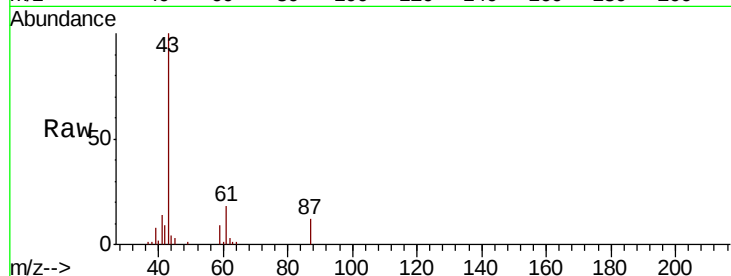
Tot Ion: 43 Resp: 68399

Ion Ratio Lower Upper

43 100

61 24.8 19.5 29.3

87 11.6 8.9 13.3

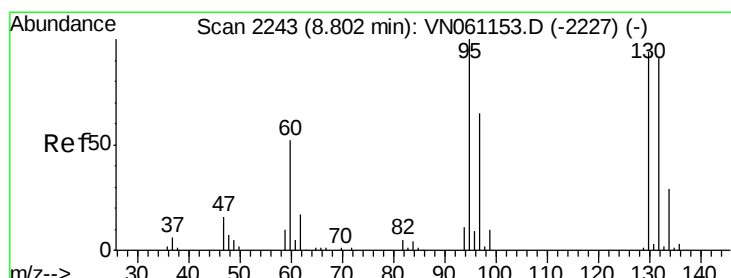
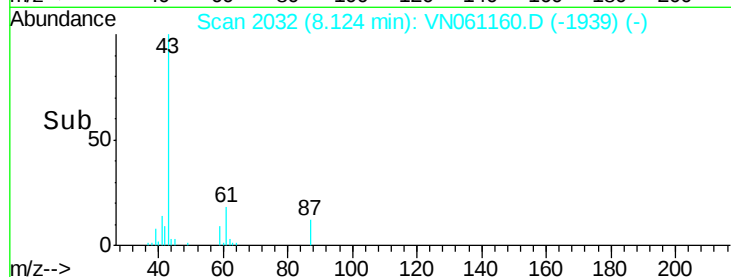


Abundance Ion 43.00 (42.70 to 43.70): VN061160.D (-2150) (-)

Ion 61.00 (60.70 to 61.70): VN061160.D (-2150) (-)

Ion 87.00 (86.70 to 87.70): VN061160.D (-2150) (-)

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 18.224 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061160.D

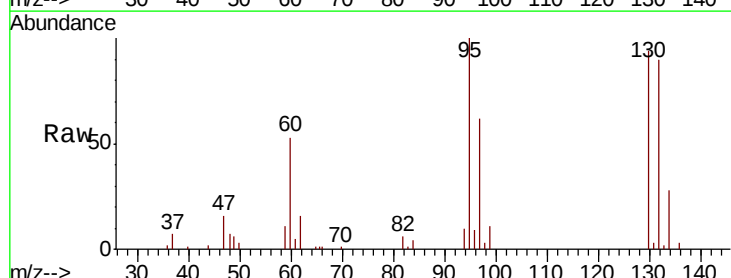
Acq: 28 Apr 2020 13:45

Tgt Ion: 130 Resp: 29229

Ion Ratio Lower Upper

130 100

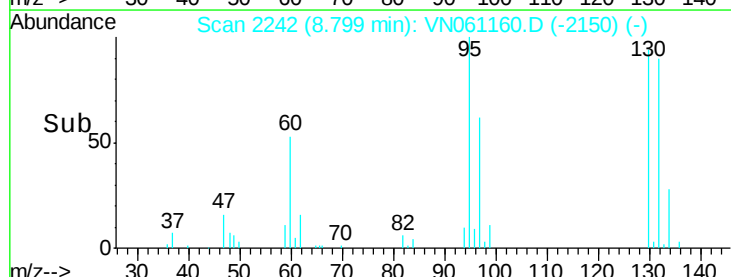
95 106.7 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061160.D (-2150) (-)

Ion 94.90 (94.60 to 95.60): VN061160.D (-2150) (-)

Time--> 8.75 8.80 8.85





#45

1,2-Dichloropropane

Concen: 18.293 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

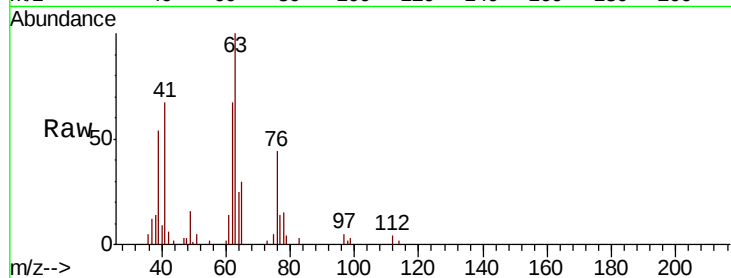
VN0428WBS01

Tot Ion: 63 Resp: 28996

Ion Ratio Lower Upper

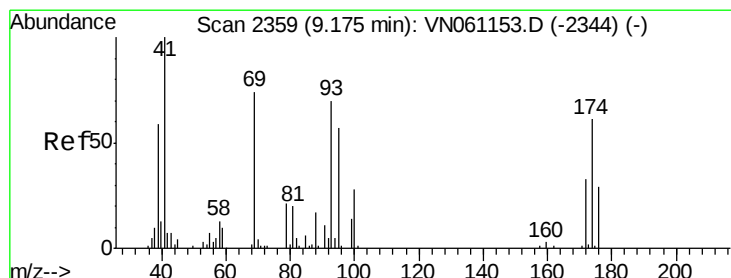
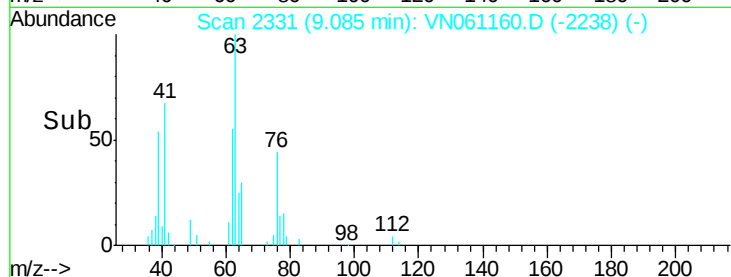
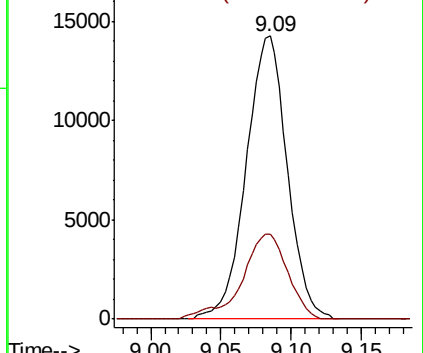
63 100

65 30.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.905 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

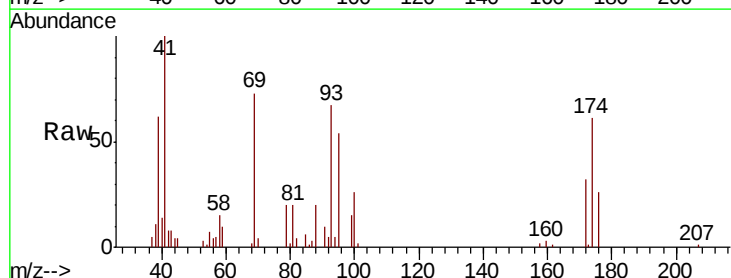
Tgt Ion: 93 Resp: 18554

Ion Ratio Lower Upper

93 100

95 82.7 66.6 99.8

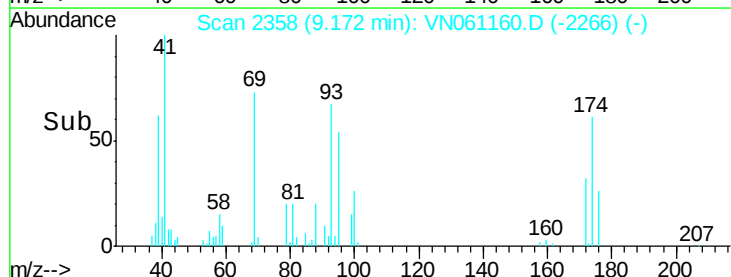
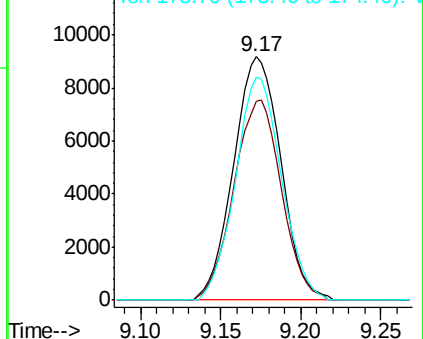
174 89.3 70.2 105.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.900 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN0428WBS01

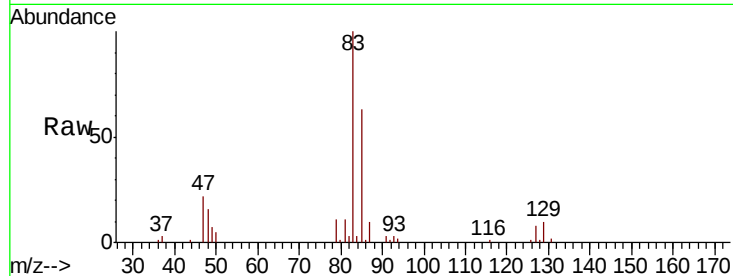
Tot Ion: 83 Resp: 39813

Ion Ratio Lower Upper

83 100

85 62.8 50.4 75.6

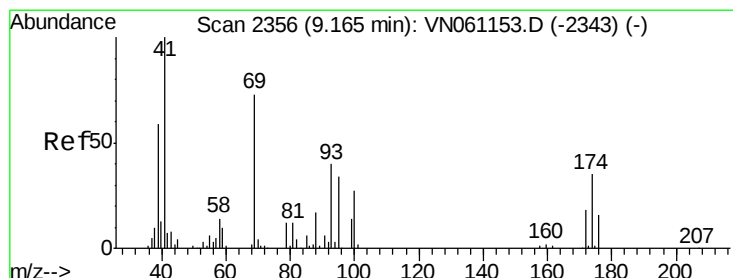
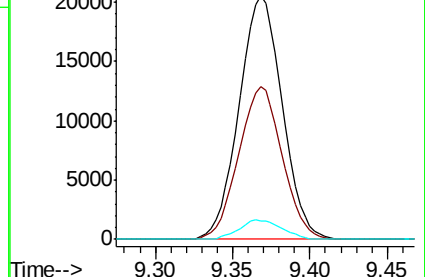
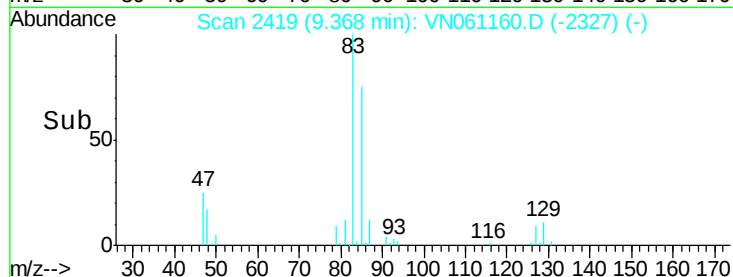
127 7.7 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN061160.D (-2327) (-)

Ion 84.90 (84.60 to 85.60): VN061160.D (-2327) (-)

Ion 126.80 (126.50 to 127.50): VN061160.D (-2327) (-)



#48

Methyl methacrylate

Concen: 17.341 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

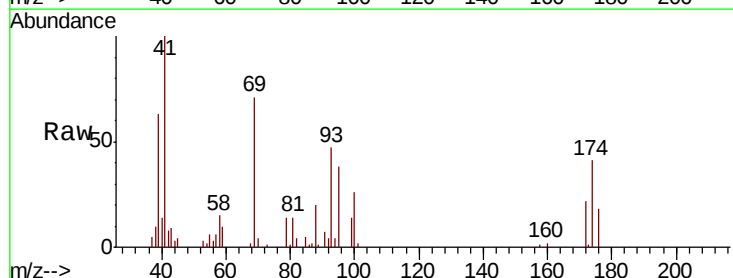
Tgt Ion: 41 Resp: 30319

Ion Ratio Lower Upper

41 100

69 74.7 60.3 90.5

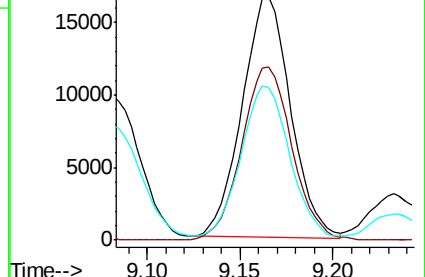
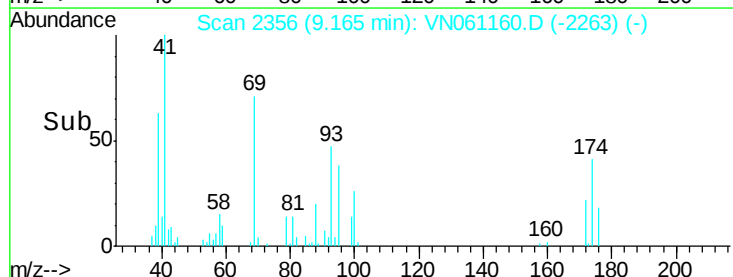
39 66.0 47.4 71.0



Abundance Ion 41.00 (40.70 to 41.70): VN061160.D (-2263) (-)

Ion 69.00 (68.70 to 69.70): VN061160.D (-2263) (-)

Ion 39.00 (38.70 to 39.70): VN061160.D (-2263) (-)

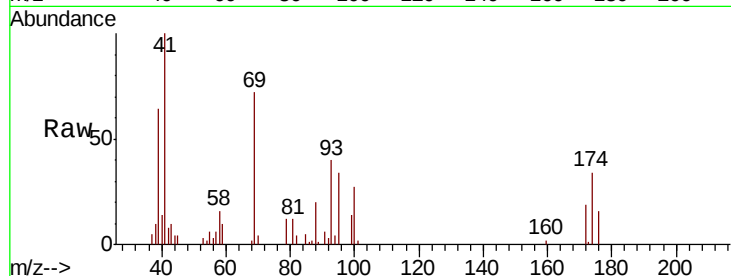




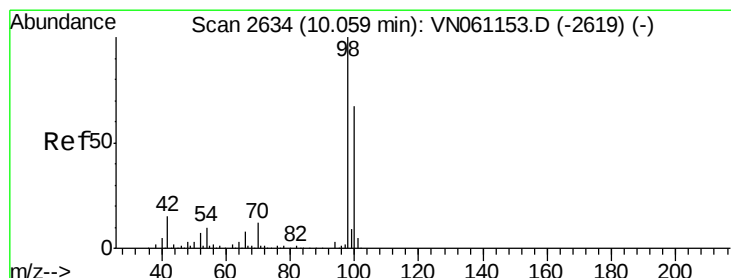
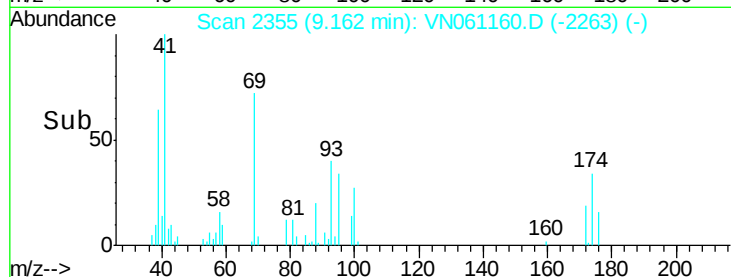
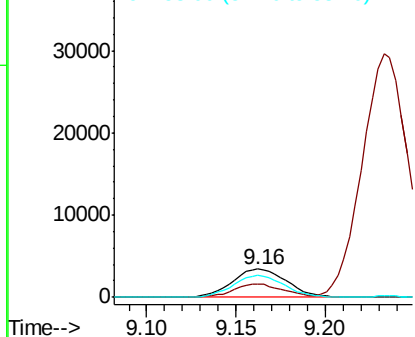
#49
1,4-Dioxane
Concen: 362.522 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

Tot Ion: 88 Resp: 7195
Ion Ratio Lower Upper
88 100
43 43.5 35.3 52.9
58 74.3 61.5 92.3

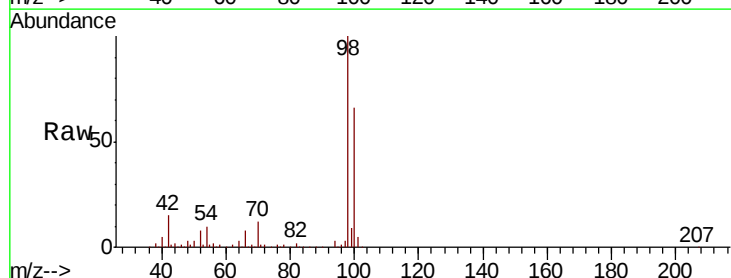


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

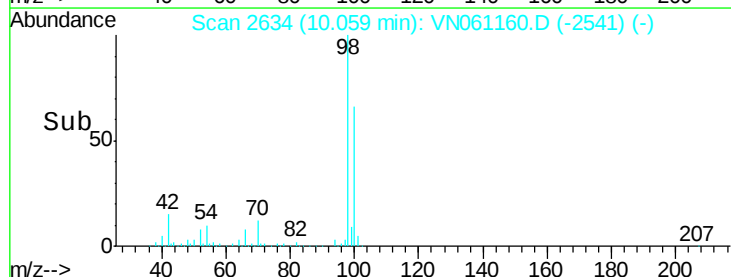
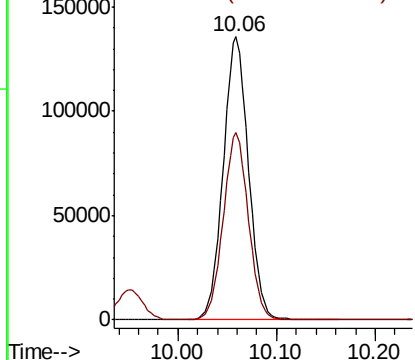


#50
Toluene-d8
Concen: 50.787 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 98 Resp: 243553
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



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

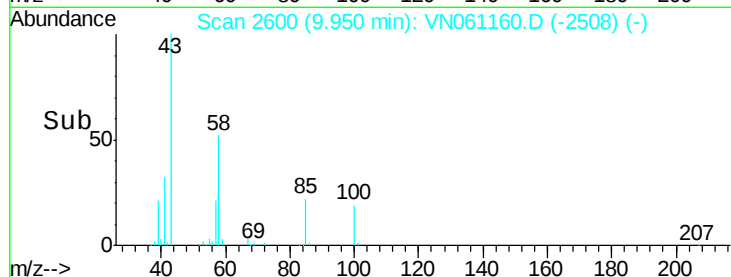
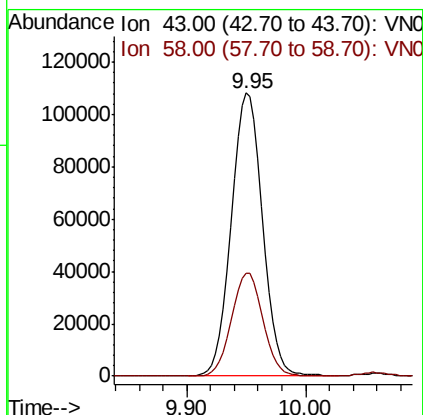
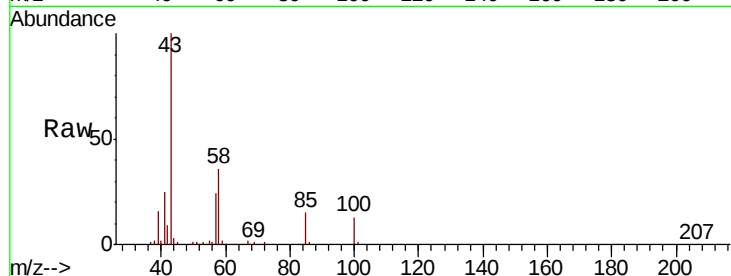




#51
 4-Methyl-2-Pentanone
 Concen: 86.373 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

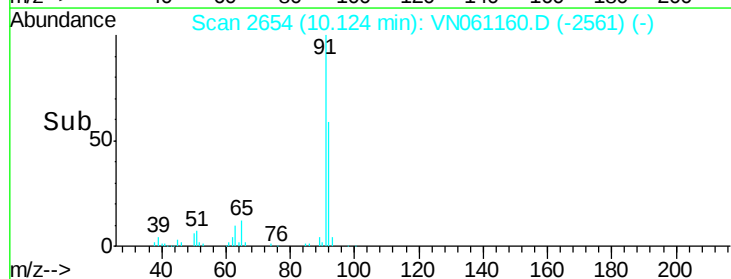
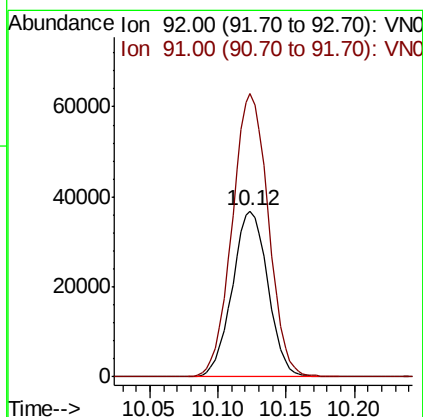
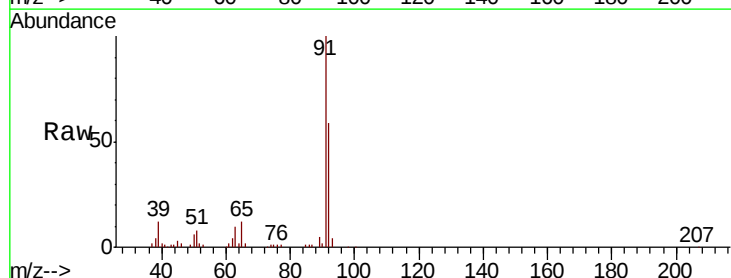
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

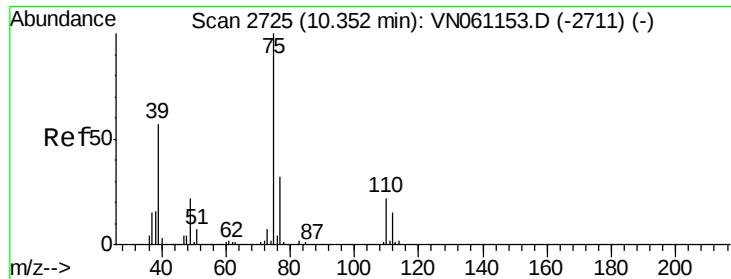
Tot Ion: 43 Resp: 196991
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.1 43.7



#52
 Toluene
 Concen: 18.684 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion: 92 Resp: 66772
 Ion Ratio Lower Upper
 92 100
 91 173.6 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 18.800 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

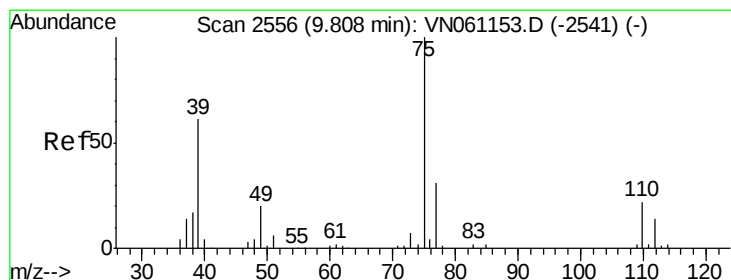
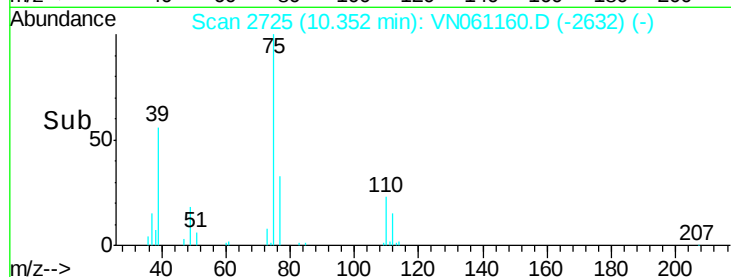
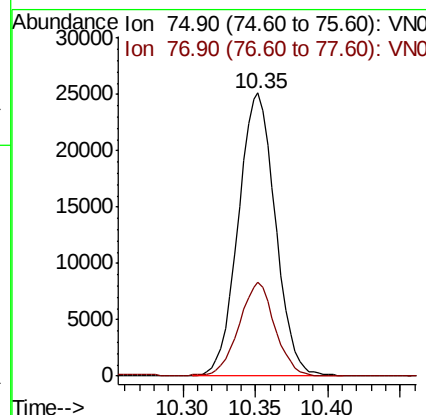
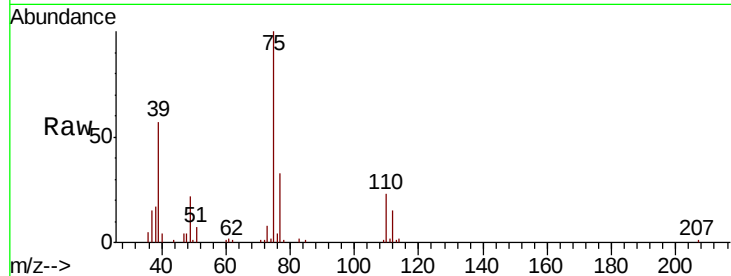
VN0428WBS01

Tot Ion: 75 Resp: 44625

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 18.759 ug/l

RT: 9.81 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

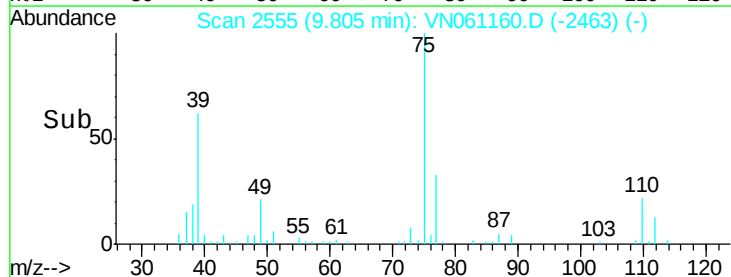
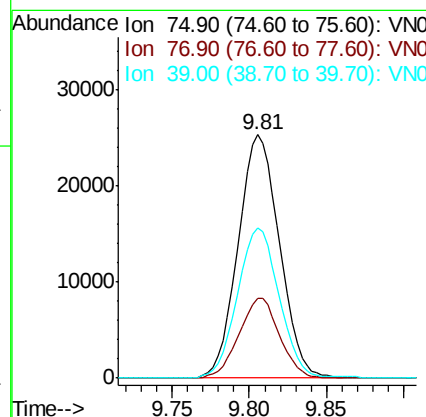
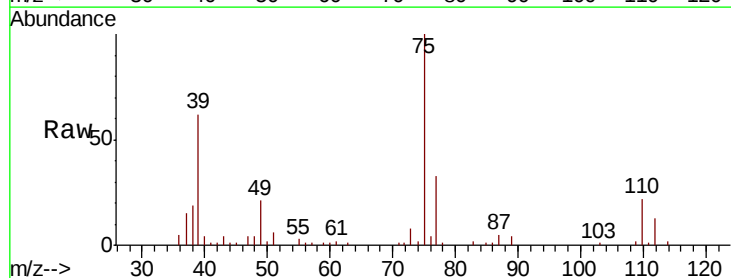
Tgt Ion: 75 Resp: 47073

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4

39 61.8 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 18.270 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

Tot Ion: 97 Resp: 26043

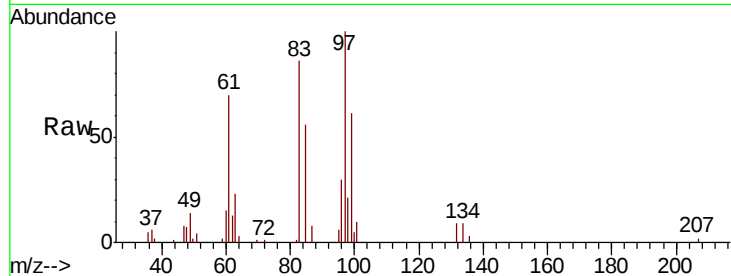
Ion Ratio Lower Upper

97 100

83 86.4 70.6 106.0

85 55.8 46.4 69.6

99 61.1 50.6 75.8



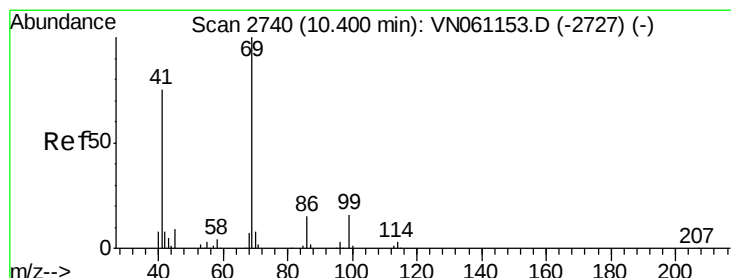
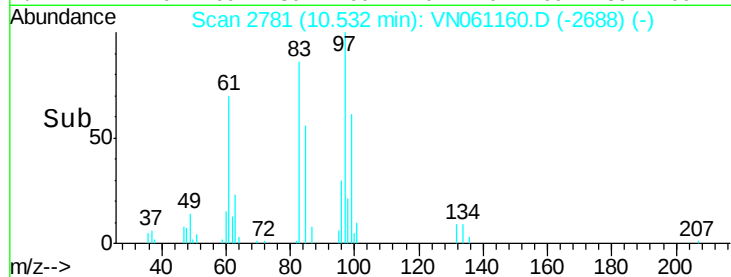
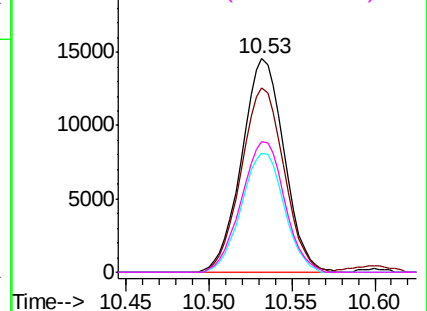
Abundance

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: 17.663 ug/l

RT: 10.40 min Scan# 2740

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

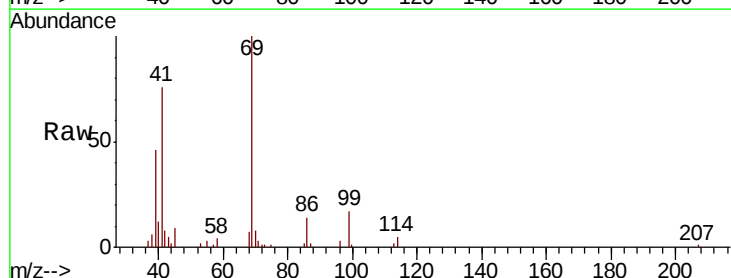
Tgt Ion: 69 Resp: 39241

Ion Ratio Lower Upper

69 100

41 77.0 60.3 90.5

39 44.4 35.9 53.9

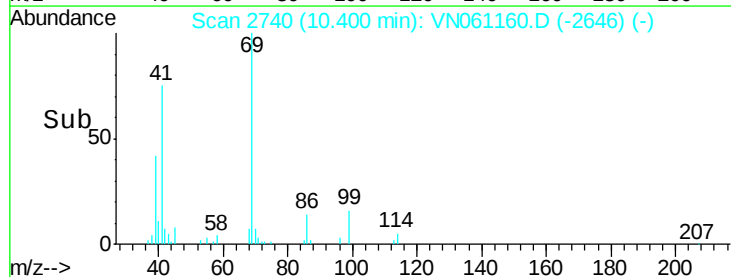
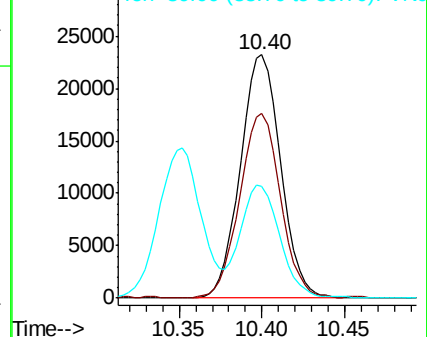


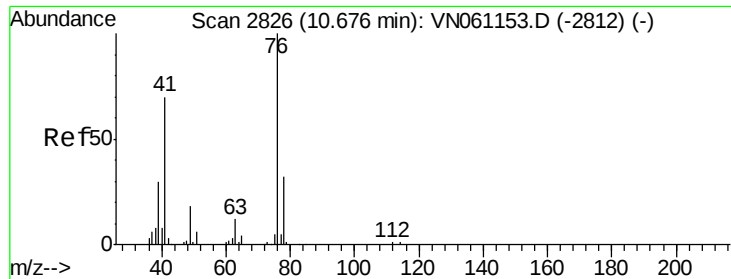
Abundance

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

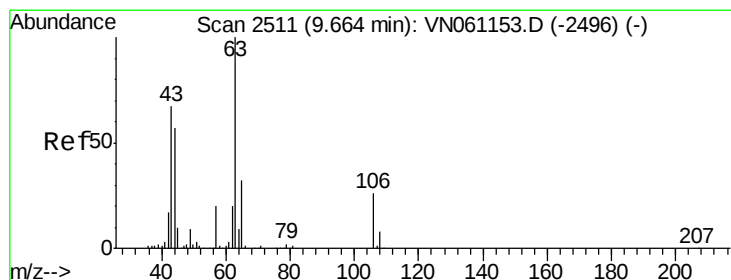
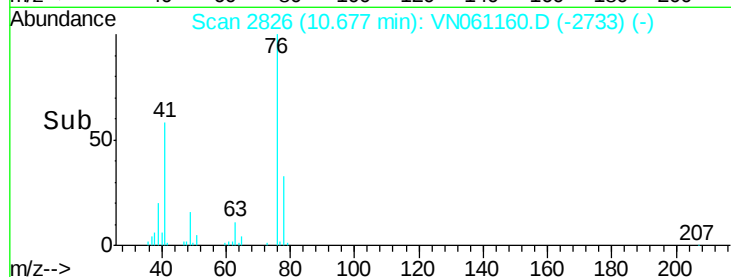
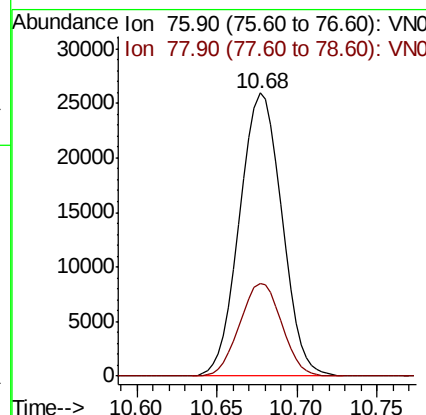
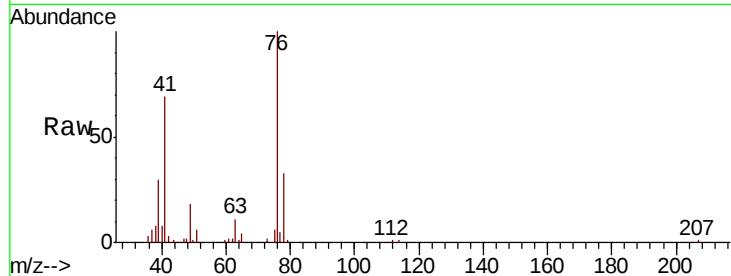




#57
 1,3-Dichloropropane
 Concen: 18.729 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

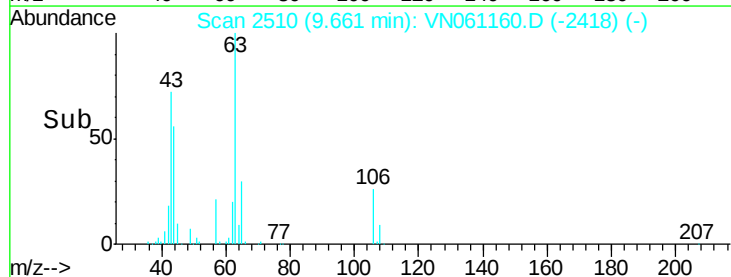
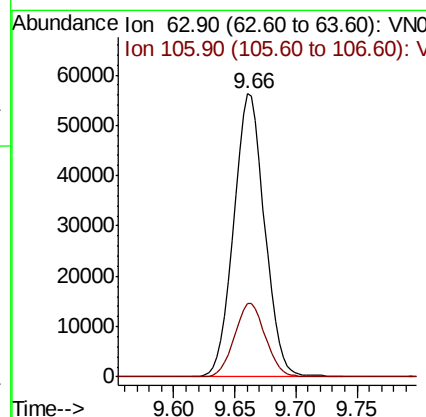
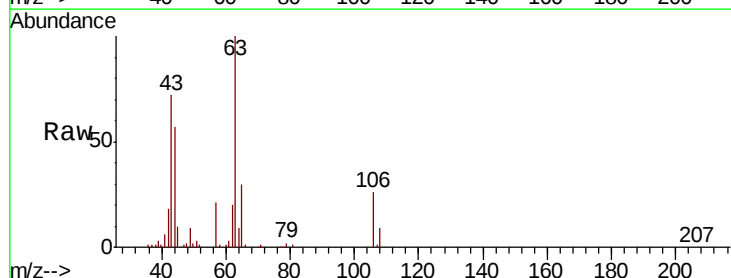
Instrument :
 MSVOA_N
 ClientSampled :
 VN0428WBS01

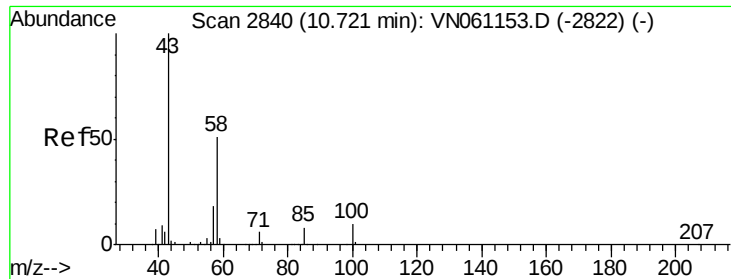
Tot Ion: 76 Resp: 46927
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.224 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion: 63 Resp: 99487
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 30.8

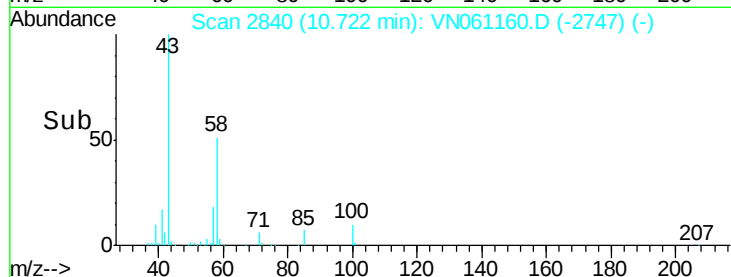
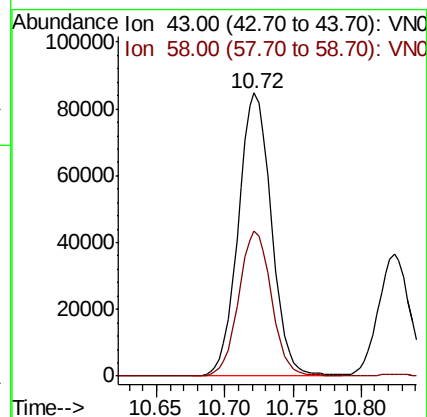
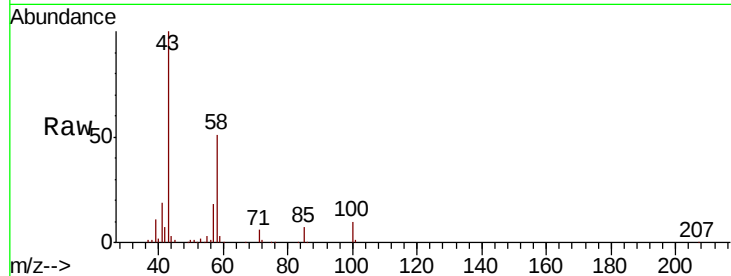




#59
2-Hexanone
Concen: 86.282 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

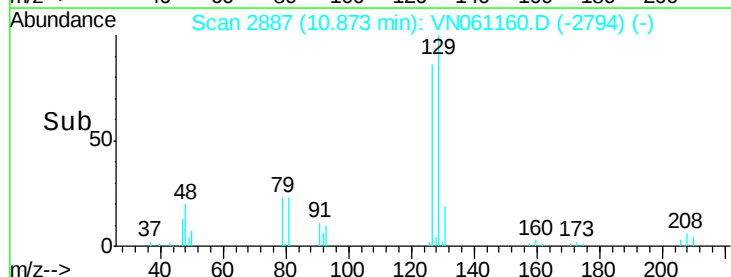
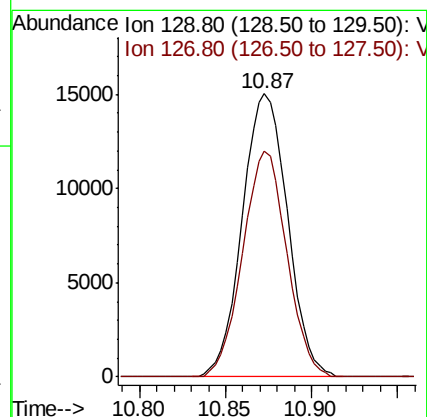
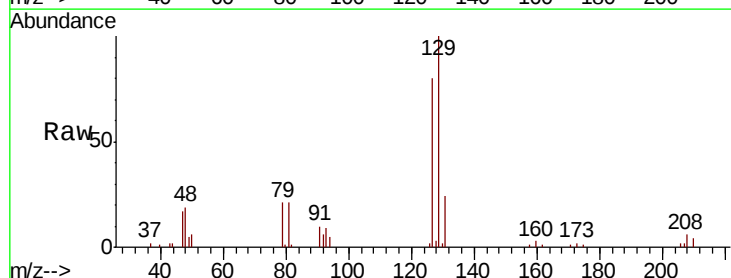
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

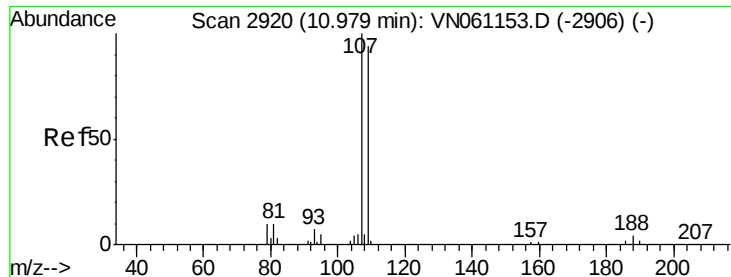
Tot Ion: 43 Resp: 143163
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.4



#60
Dibromochloromethane
Concen: 18.442 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 129 Resp: 27532
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8

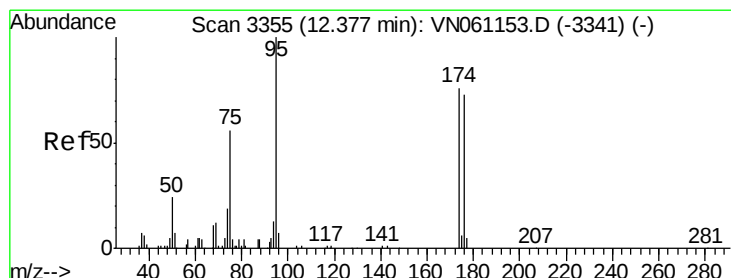
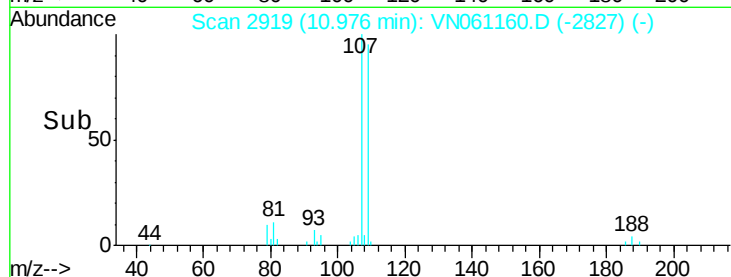
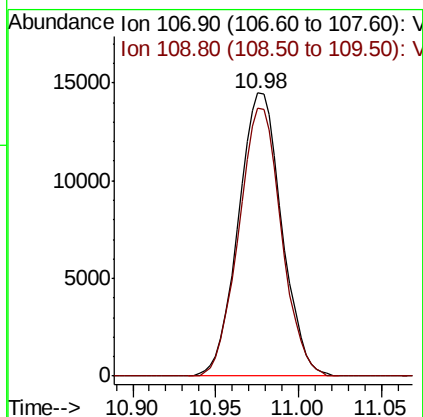
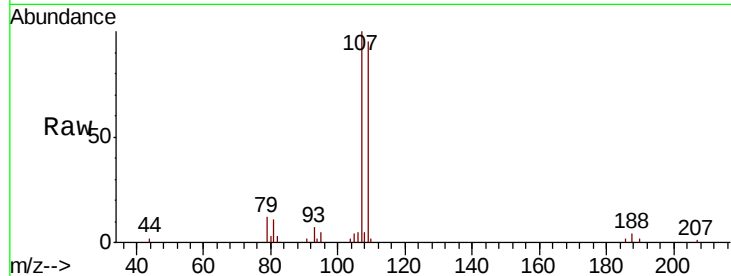




#61
 1,2-Dibromoethane
 Concen: 18.414 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

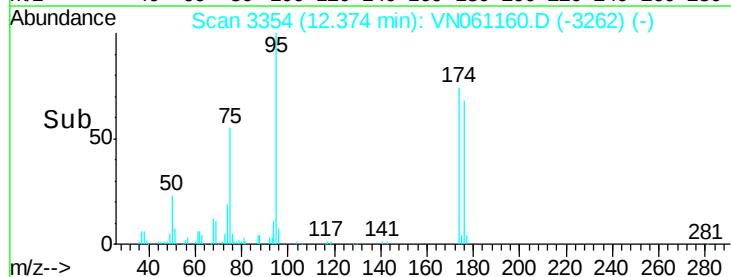
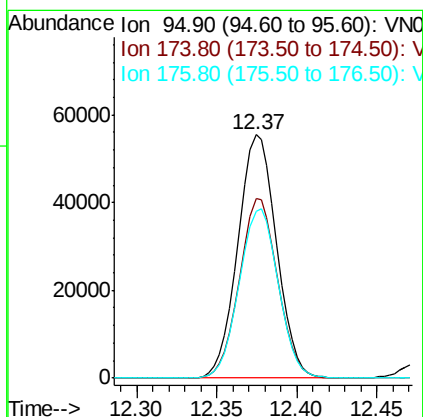
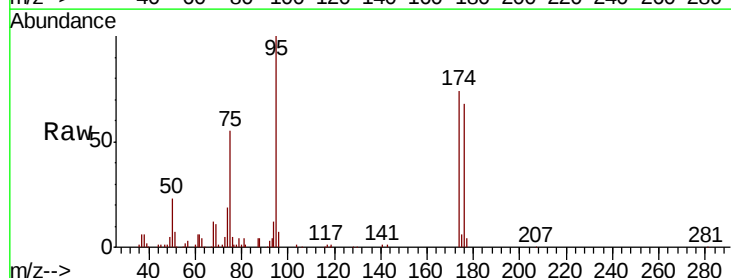
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

Tot Ion:107 Resp: 26308
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 50.570 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion: 95 Resp: 91260
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 149.4
 176 70.3 0.0 144.8

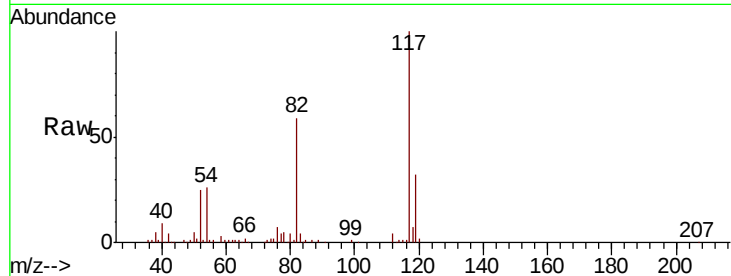




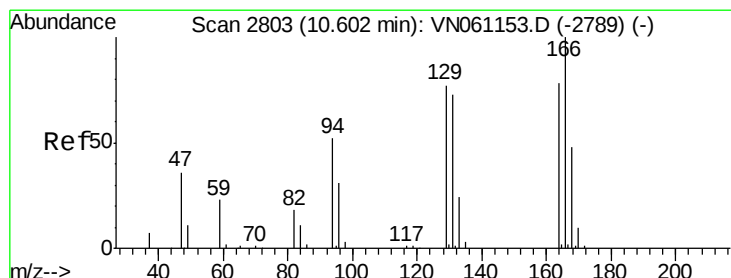
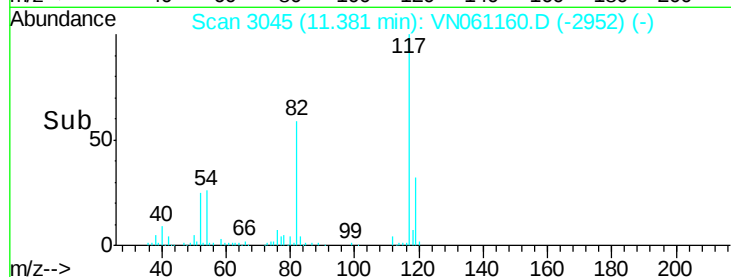
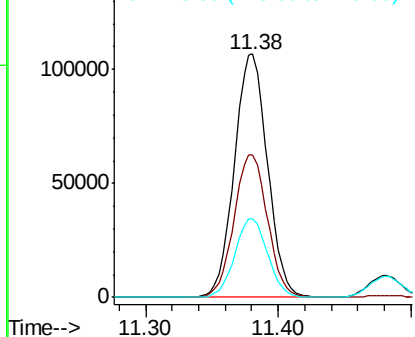
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Instrument :
MSVOA_N
ClientSampled :
VN0428WBS01

Tot Ion:117 Resp: 185064
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.8
119 32.2 25.8 38.6

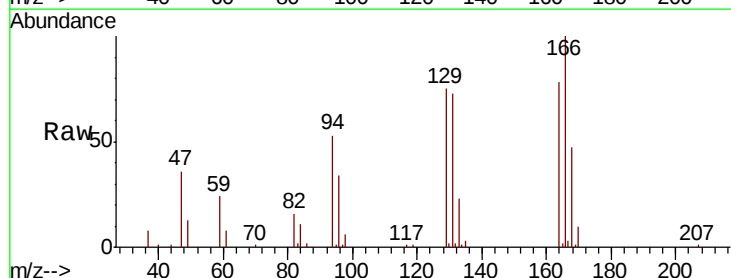


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

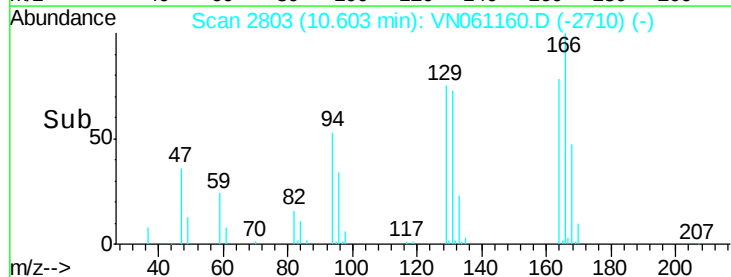
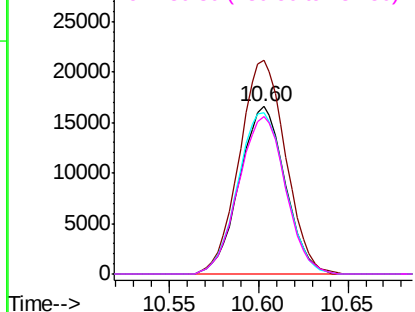


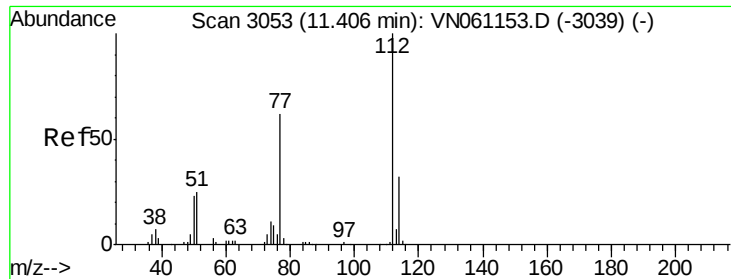
#64
Tetrachloroethene
Concen: 18.387 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion:164 Resp: 29472
Ion Ratio Lower Upper
164 100
166 127.7 102.0 153.0
129 96.3 78.2 117.2
131 93.8 74.5 111.7



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





#65

Chlorobenzene

Concen: 18.758 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

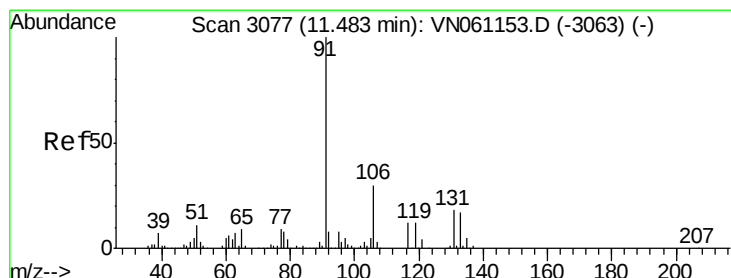
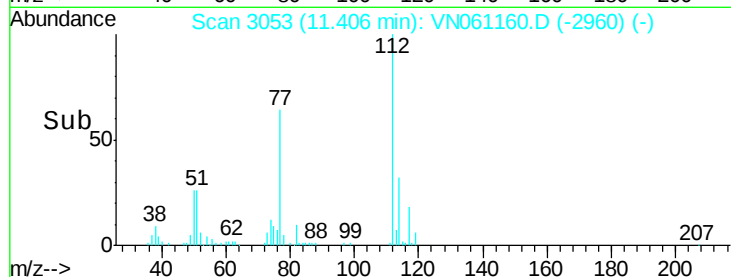
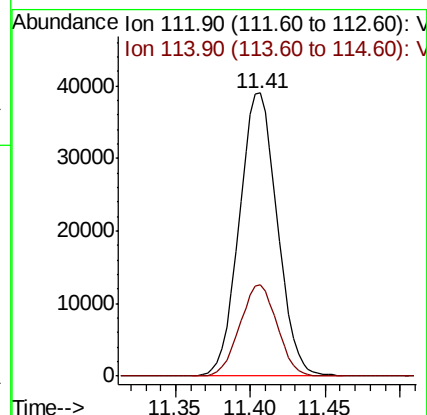
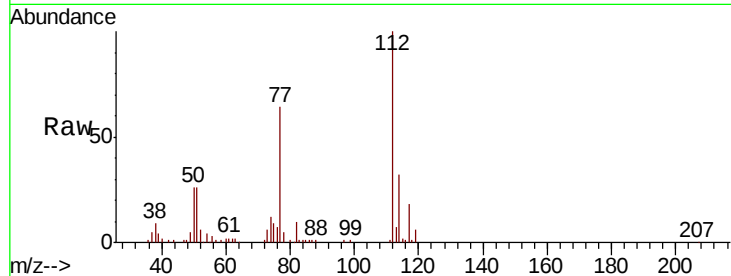
VN0428WBS01

Tot Ion:112 Resp: 68863

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 18.921 ug/l

RT: 11.48 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

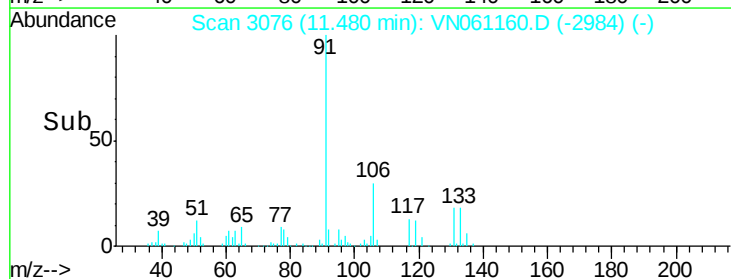
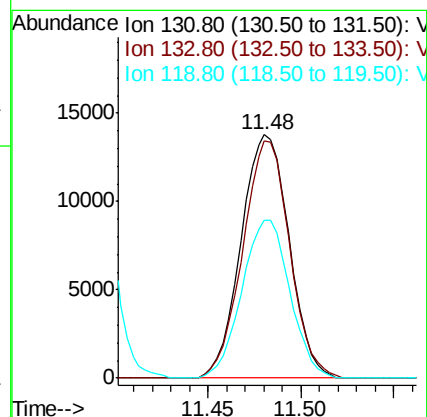
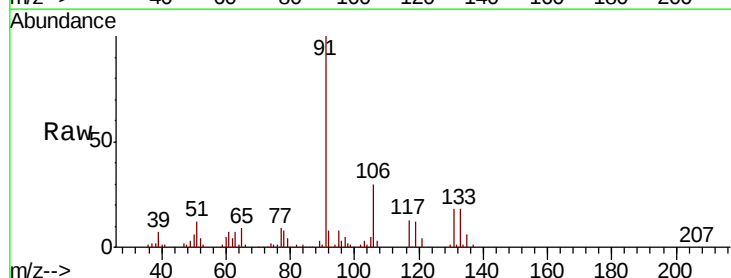
Tgt Ion:131 Resp: 24860

Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.2

119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 19.022 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

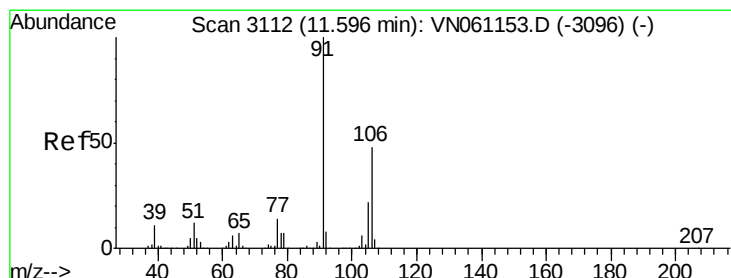
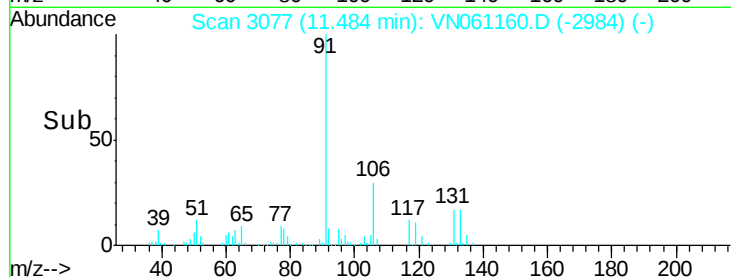
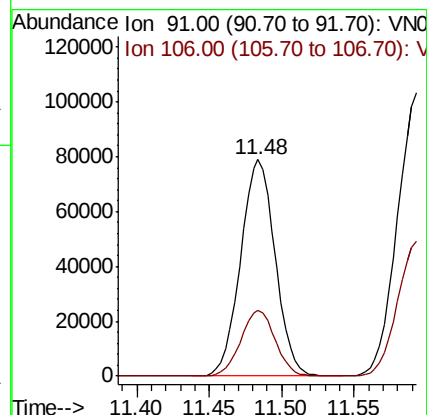
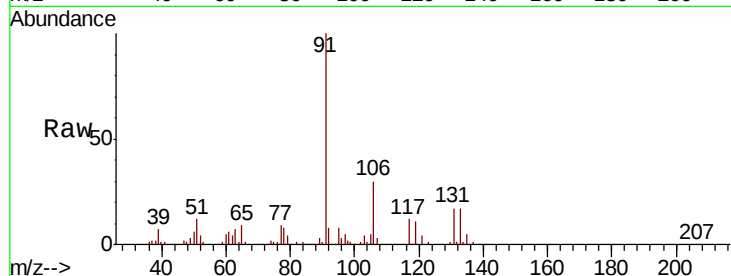
VN0428WBS01

Tot Ion: 91 Resp: 130724

Ion Ratio Lower Upper

91 100

106 30.4 23.8 35.6



#68

m/p-Xylenes

Concen: 37.887 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061160.D

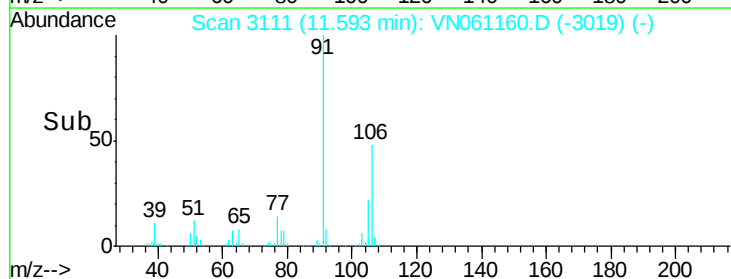
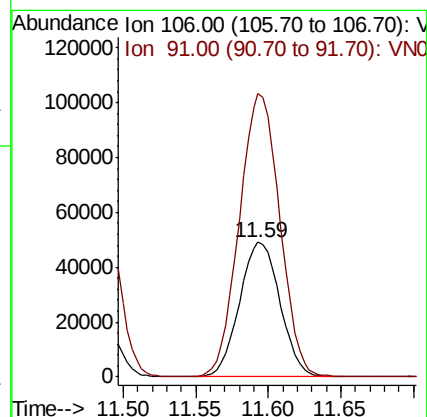
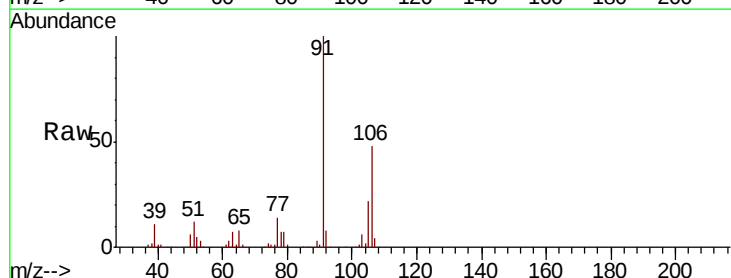
Acq: 28 Apr 2020 13:45

Tgt Ion: 106 Resp: 95301

Ion Ratio Lower Upper

106 100

91 210.6 166.4 249.6

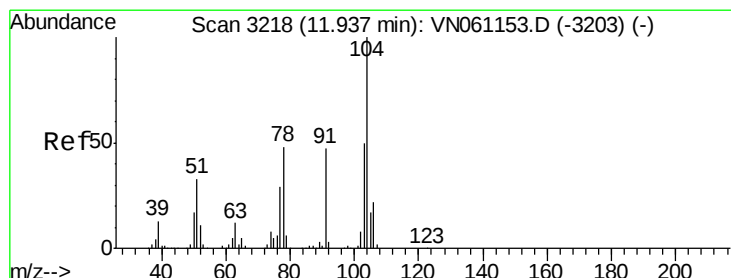
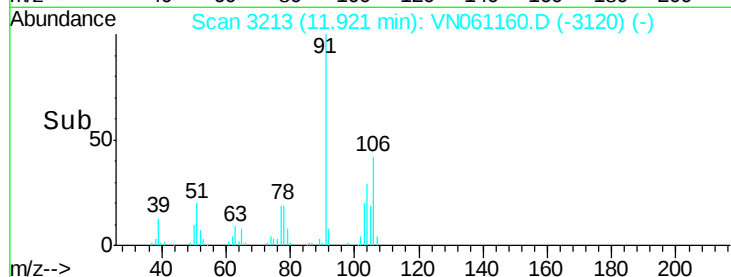
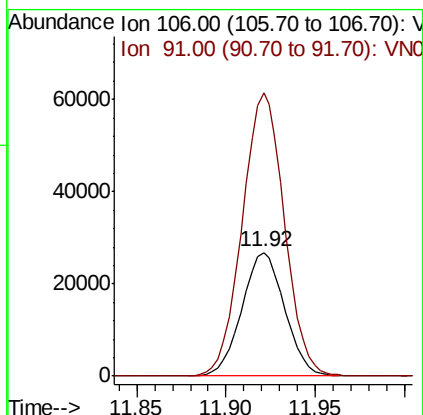
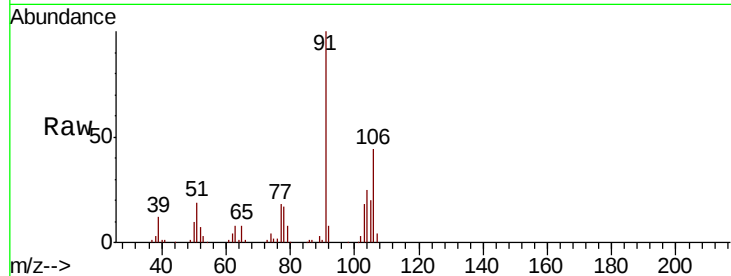




#69
o-Xylene
Concen: 18.569 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

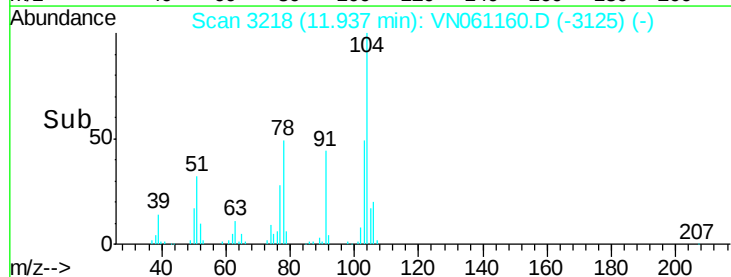
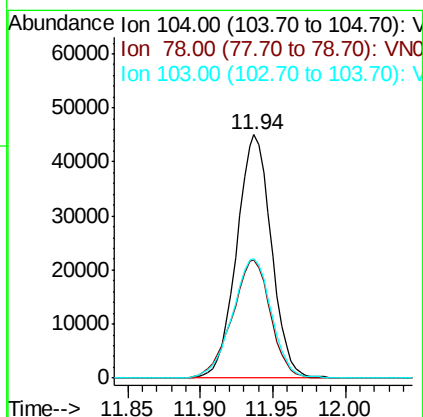
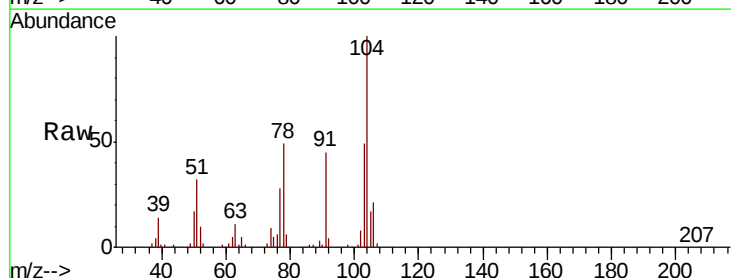
Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

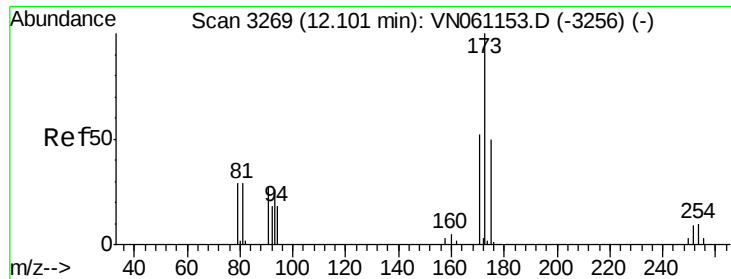
Tot Ion:106 Resp: 44867
Ion Ratio Lower Upper
106 100
91 226.1 109.7 329.0



#70
Styrene
Concen: 18.545 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion:104 Resp: 74998
Ion Ratio Lower Upper
104 100
78 53.4 42.1 63.1
103 55.0 43.3 64.9

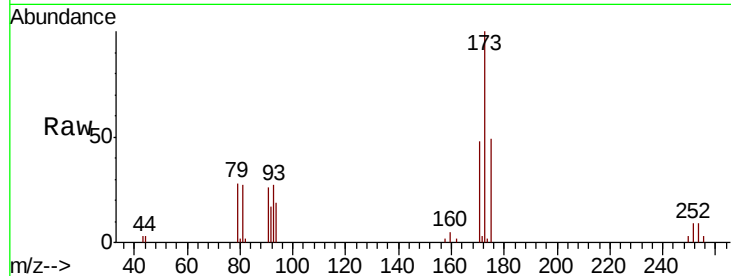




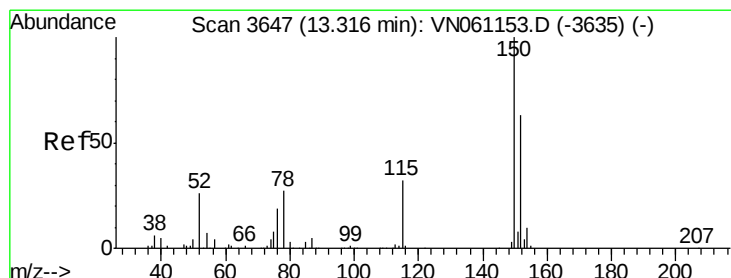
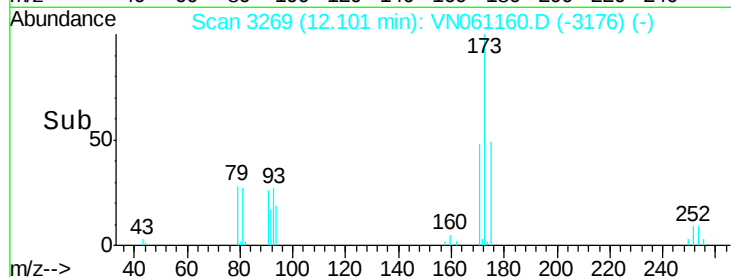
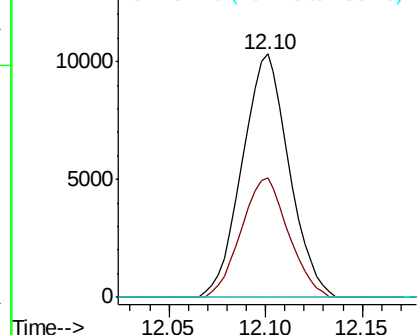
#71
Bromoform
Concen: 17.977 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Instrument :
MSVOA_N
ClientSampled :
VN0428WBS01

Tot Ion:173 Resp: 17359
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.4
254 0.0 0.0 0.0

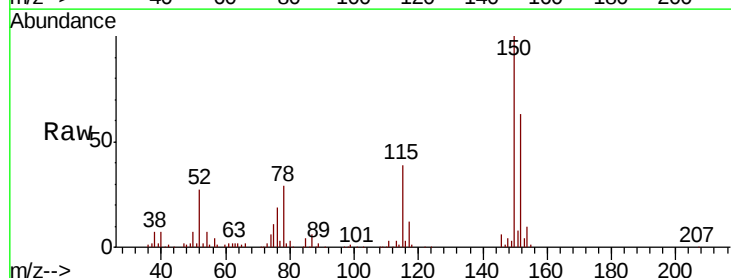


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

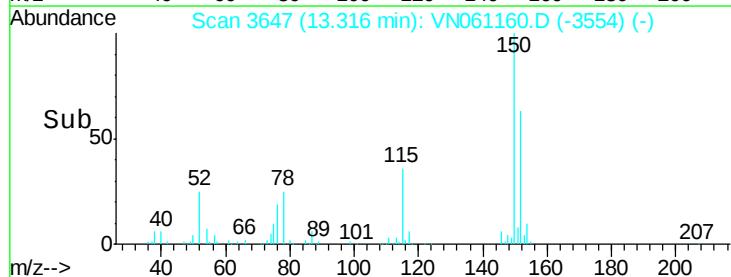
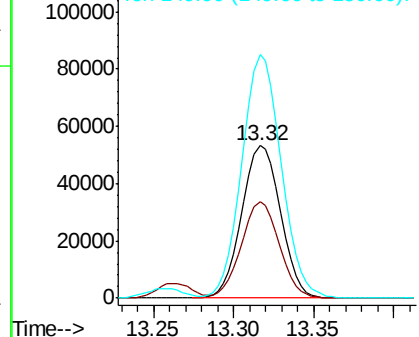


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3647
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion:152 Resp: 88228
Ion Ratio Lower Upper
152 100
115 61.7 31.0 93.0
150 162.6 0.0 351.8



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: 19.133 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

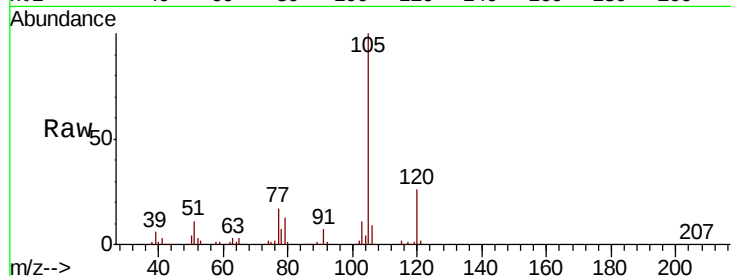
VN0428WBS01

Tot Ion:105 Resp: 124097

Ion Ratio Lower Upper

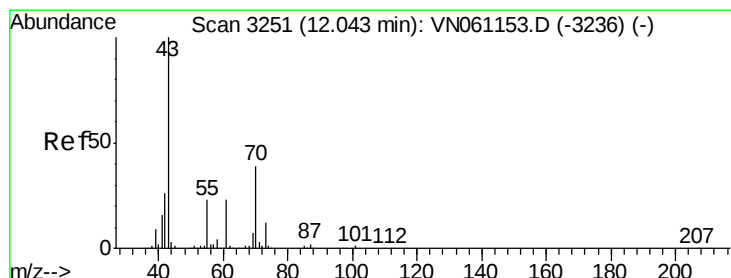
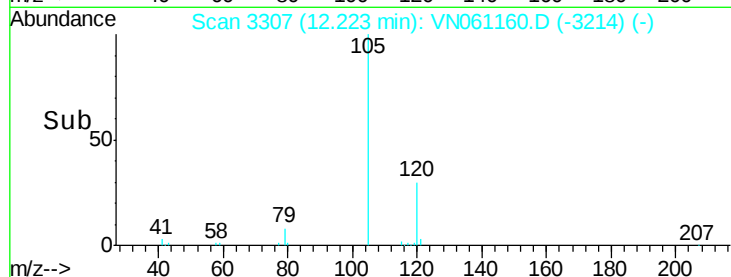
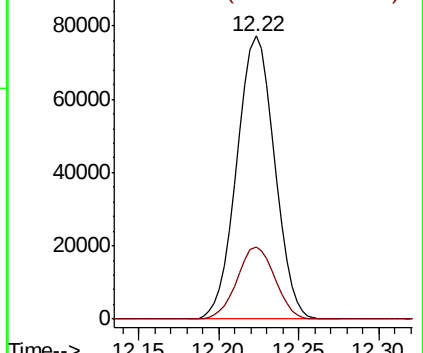
105 100

120 25.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.701 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Tgt Ion: 43 Resp: 58137

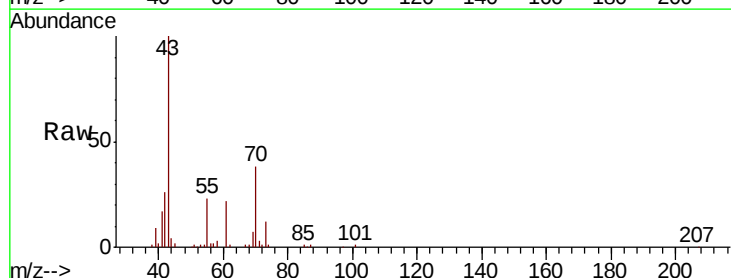
Ion Ratio Lower Upper

43 100

70 38.1 30.6 46.0

55 23.5 18.5 27.7

61 21.9 17.9 26.9

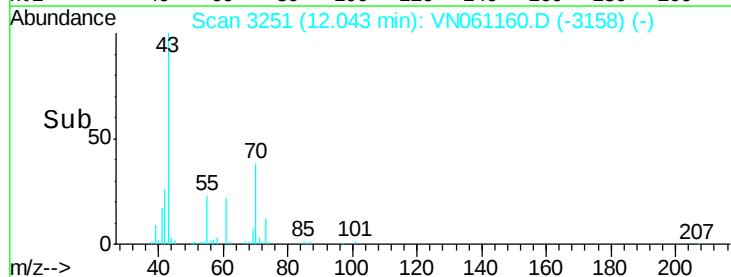
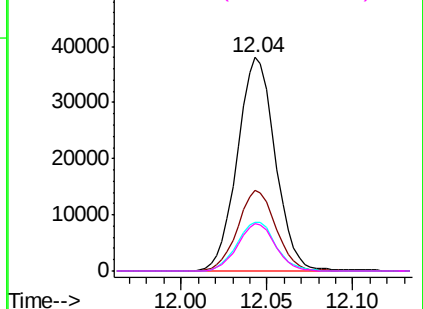


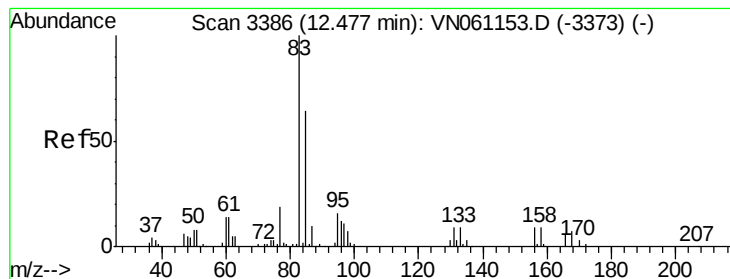
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.284 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

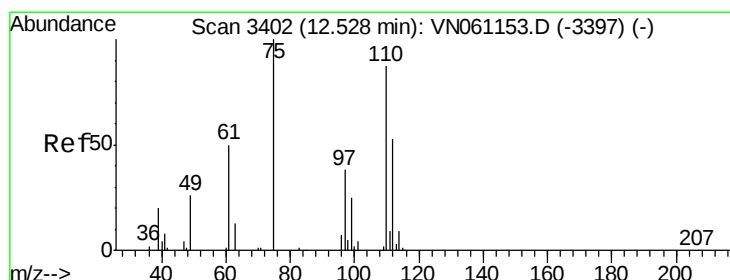
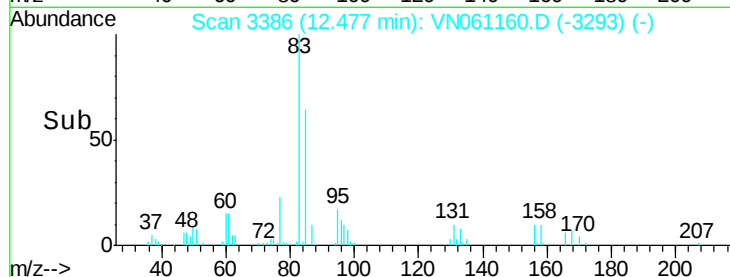
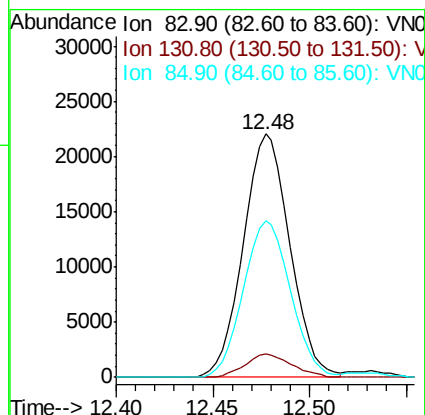
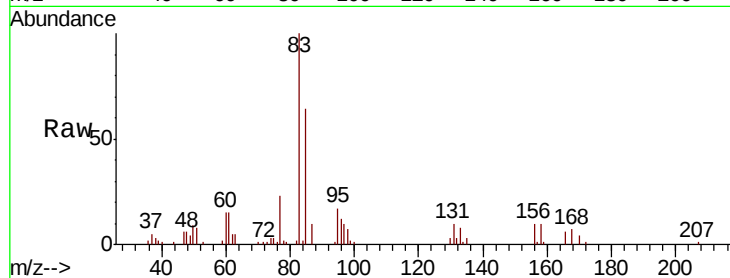
Tot Ion: 83 Resp: 36979

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 65.0 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 27.306 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061160.D

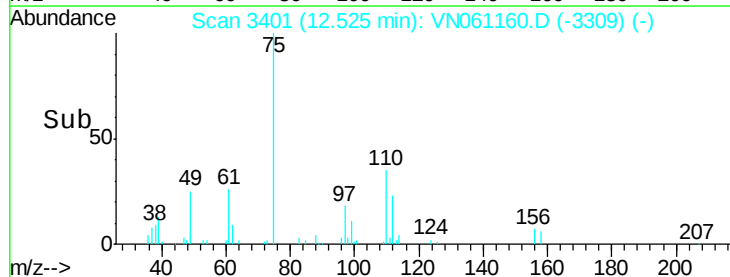
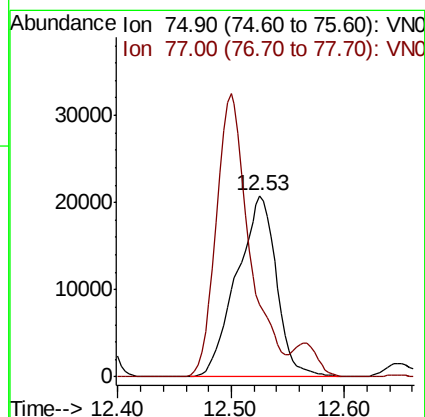
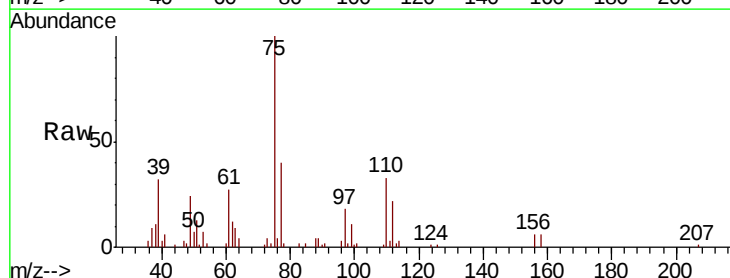
Acq: 28 Apr 2020 13:45

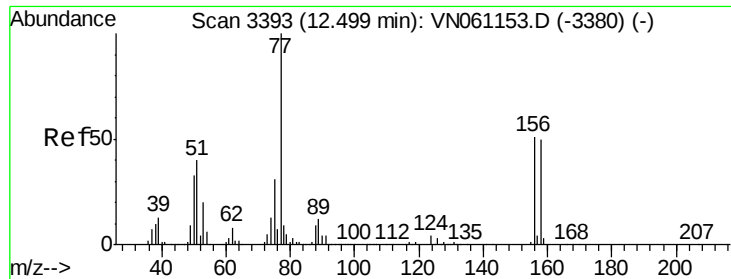
Tgt Ion: 75 Resp: 50791

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.088 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

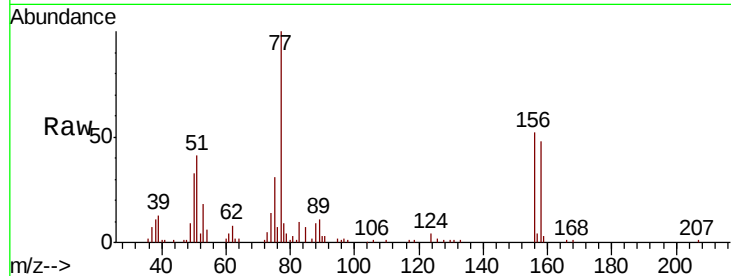
Tot Ion:156 Resp: 28580

Ion	Ratio	Lower	Upper
156	100		
77	231.7	117.4	352.2
158	94.6	48.4	145.0

156 100

77 231.7 117.4 352.2

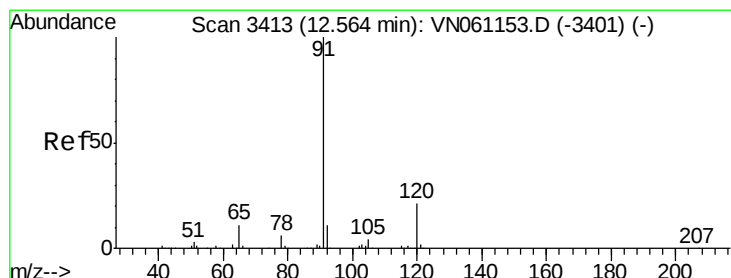
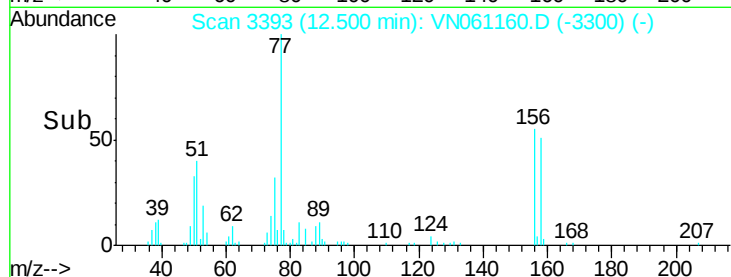
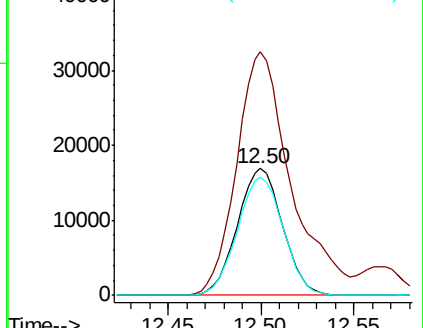
158 94.6 48.4 145.0



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: 19.184 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061160.D

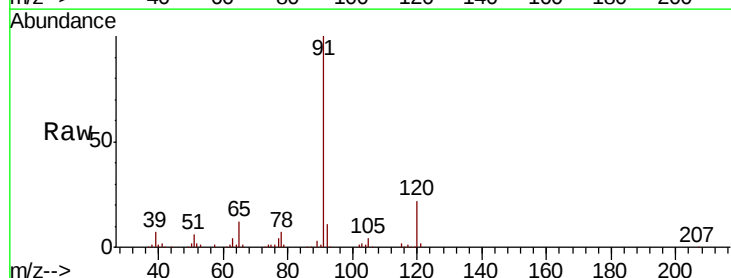
Acq: 28 Apr 2020 13:45

Tgt Ion: 91 Resp: 147587

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.3

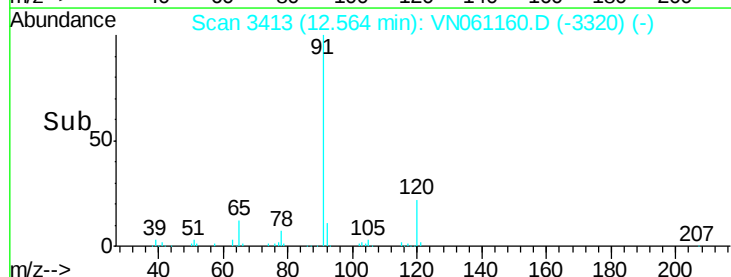
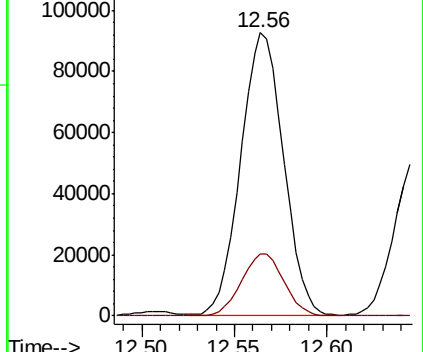
91 100

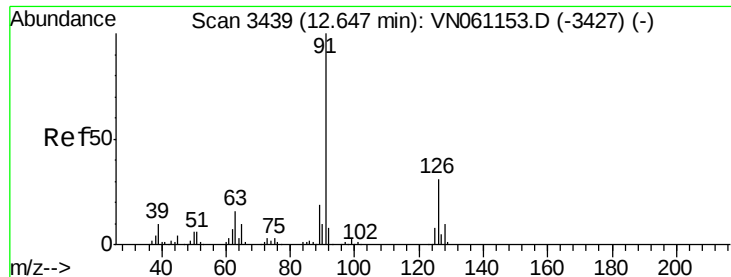
120 21.9 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

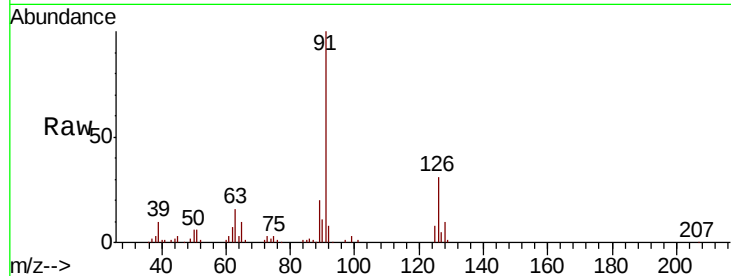




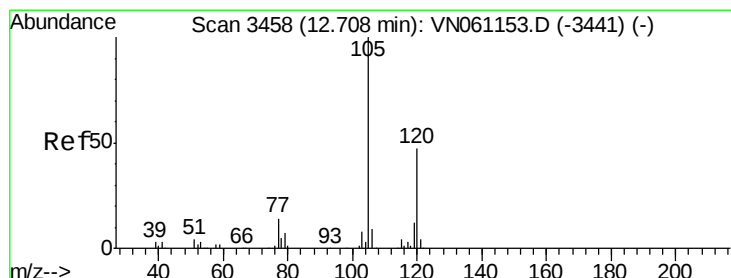
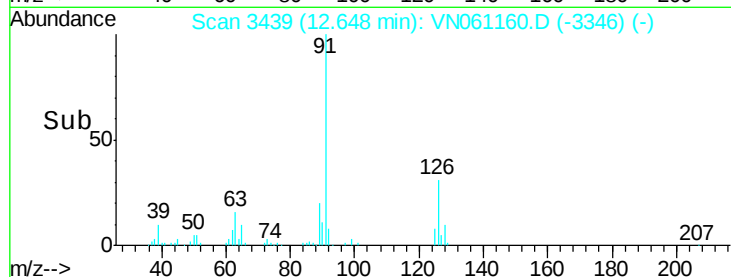
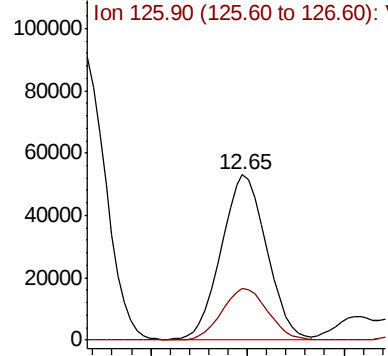
#79
 2-Chlorotoluene
 Concen: 19.095 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0428WBS01

Tot Ion: 91 Resp: 86344
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.7

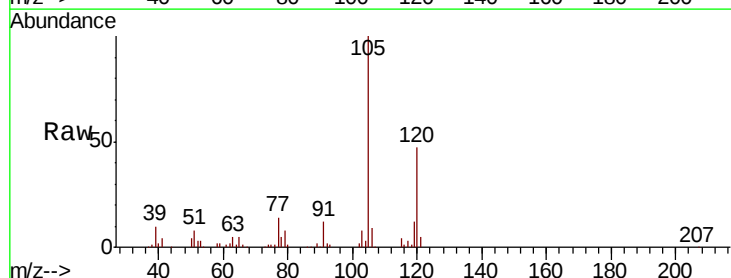


Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)
 Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

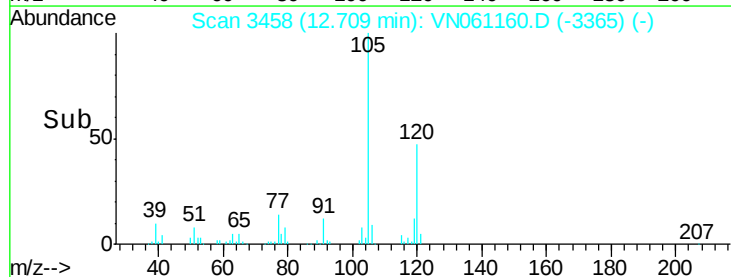
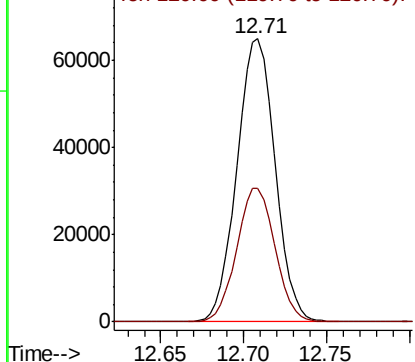


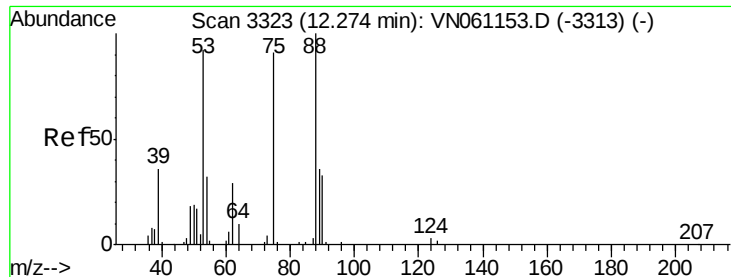
#80
 1,3,5-Trimethylbenzene
 Concen: 19.354 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion: 105 Resp: 103899
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)
 Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.710 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampled :

VN0428WBS01

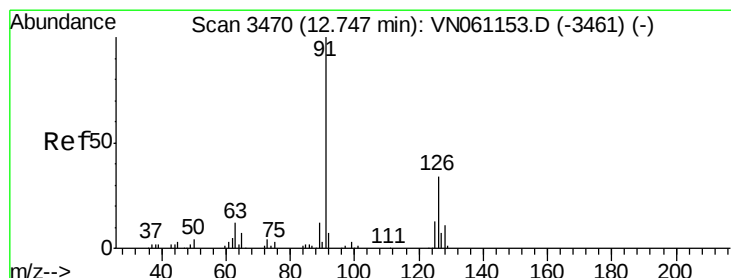
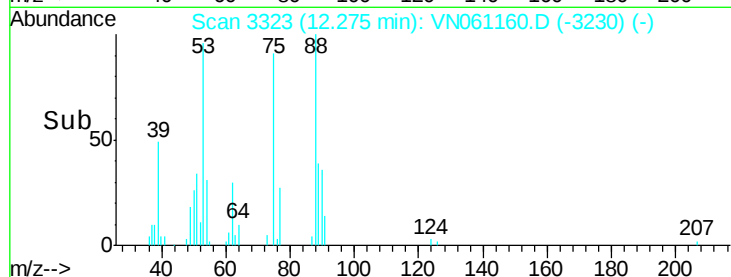
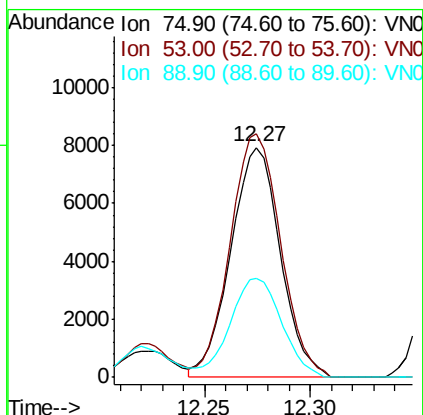
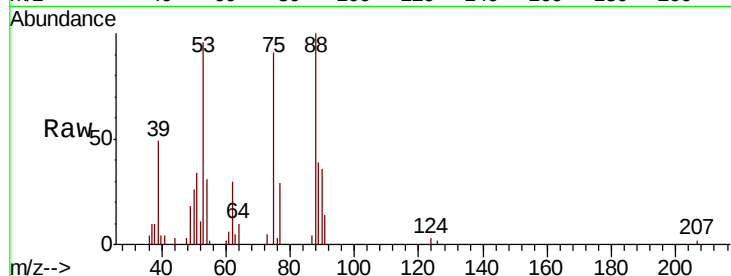
Tot Ion: 75 Resp: 12972

Ion Ratio Lower Upper

75 100

53 107.8 84.1 126.1

89 44.5 35.2 52.8



#82

4-Chlorotoluene

Concen: 18.817 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061160.D

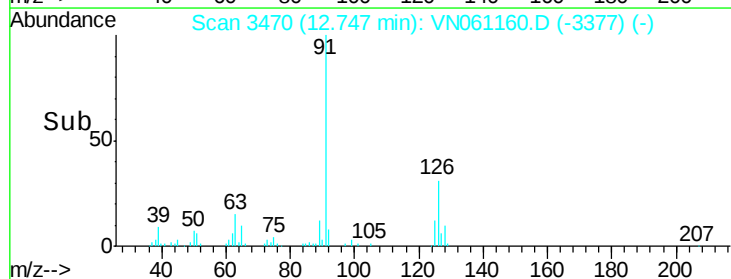
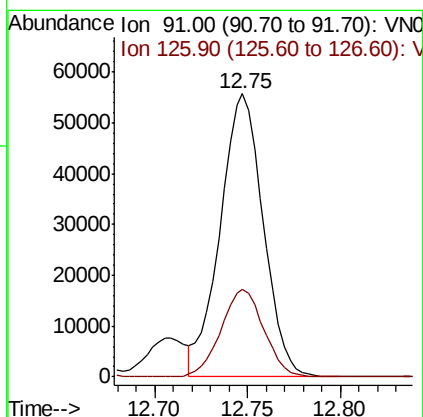
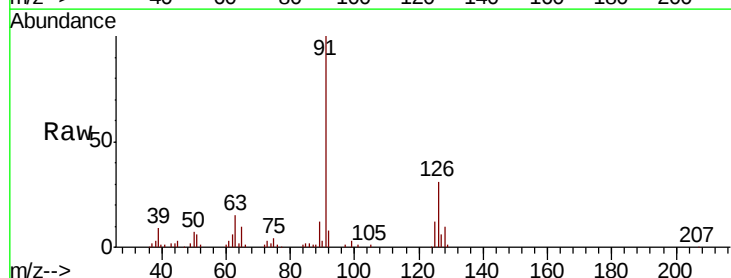
Acq: 28 Apr 2020 13:45

Tgt Ion: 91 Resp: 89681

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.1

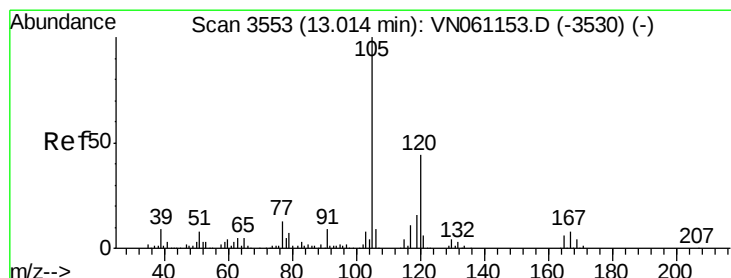
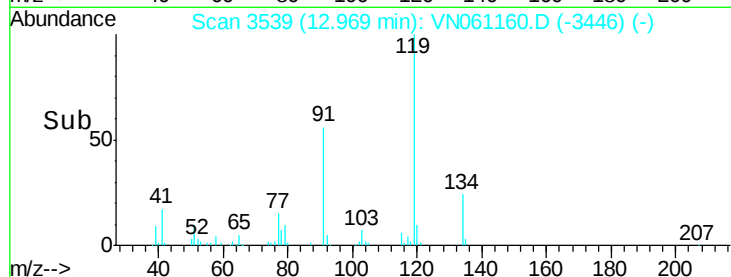
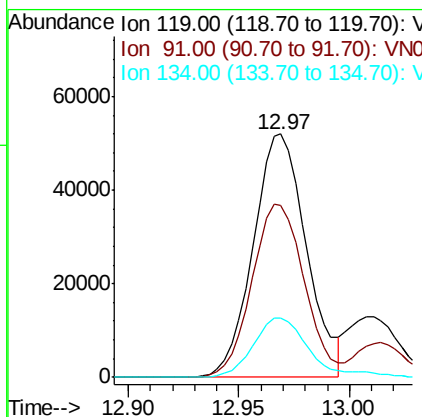
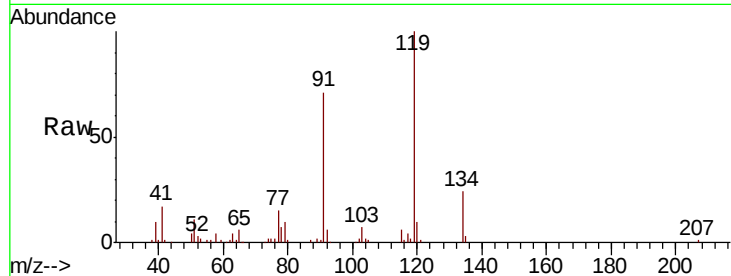




#83
 tert-Butylbenzene
 Concen: 19.168 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

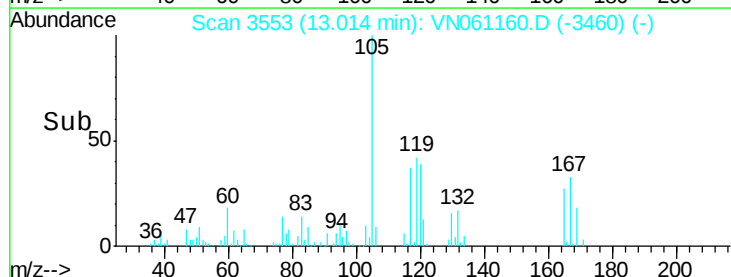
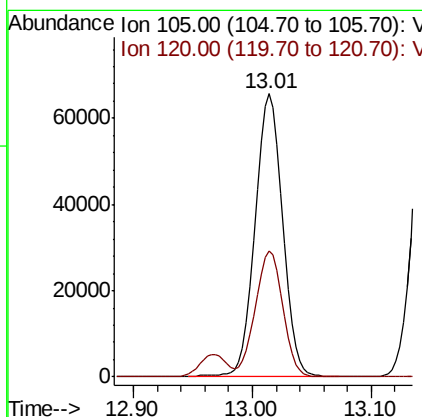
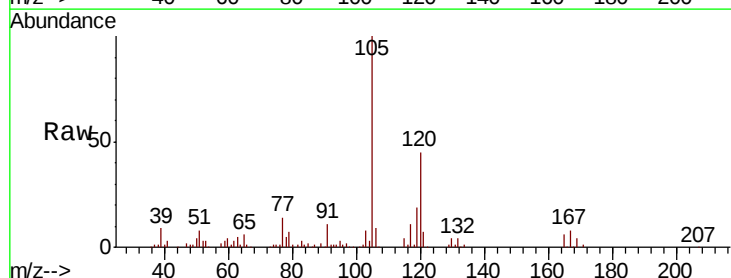
Instrument :
 MSVOA_N
 ClientSampled :
 VN0428WBS01

Tot Ion:119 Resp: 86763
 Ion Ratio Lower Upper
 119 100
 91 70.0 34.8 104.4
 134 25.5 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.083 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion:105 Resp: 105544
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.2 66.6

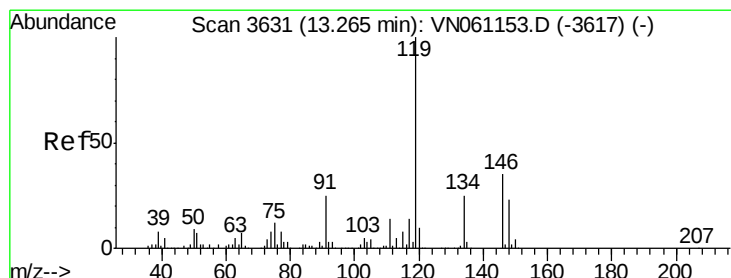
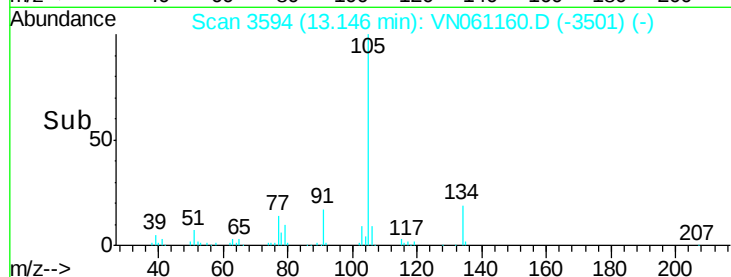
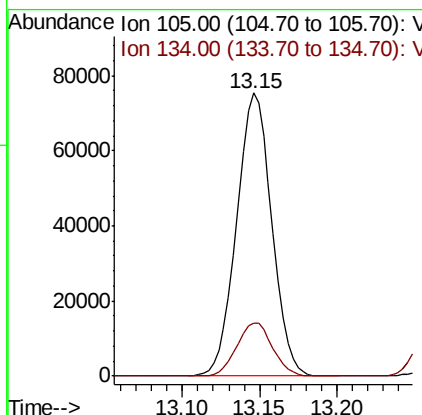
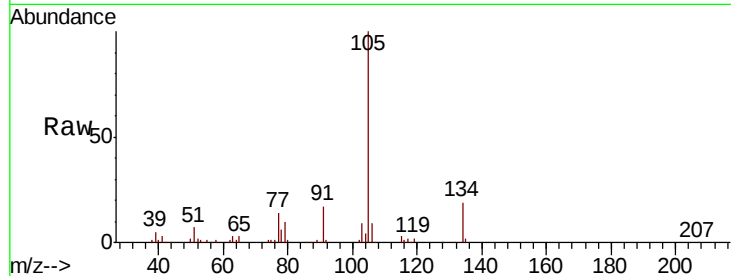




#85
 sec-Butylbenzene
 Concen: 19.243 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

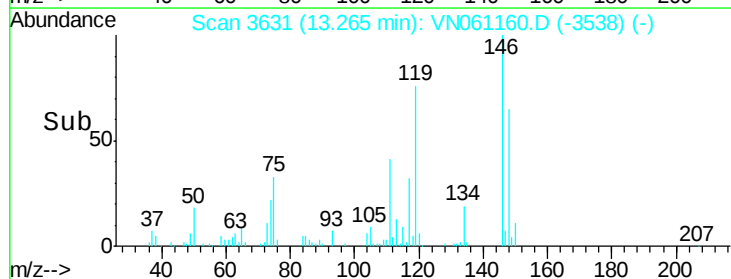
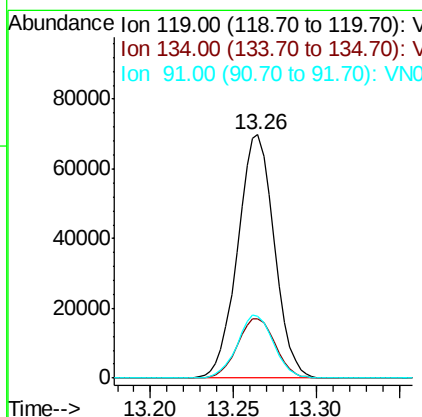
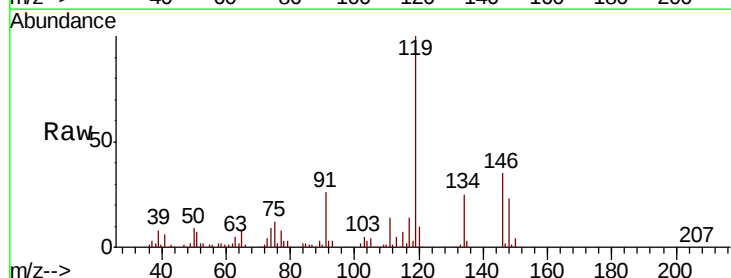
Instrument :
 MSVOA_N
 ClientSampled :
 VN0428WBS01

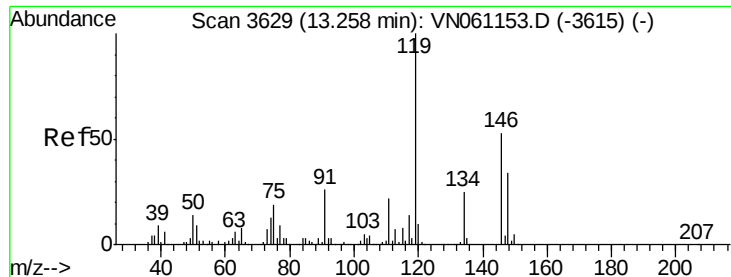
Tot Ion:105 Resp: 118759
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 19.290 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion:119 Resp: 107261
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.6 37.6
 91 25.7 12.7 38.0

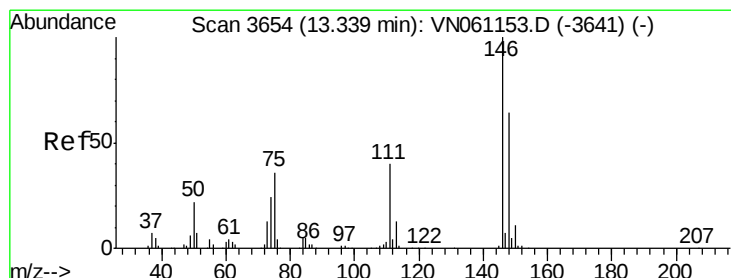
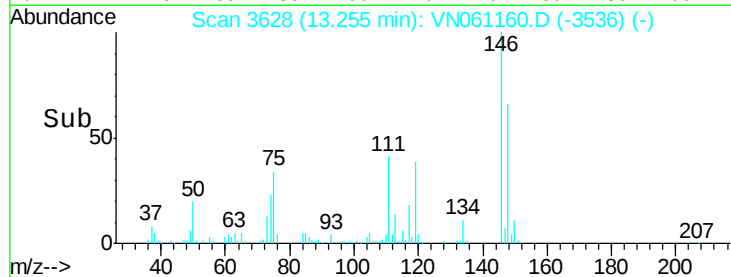
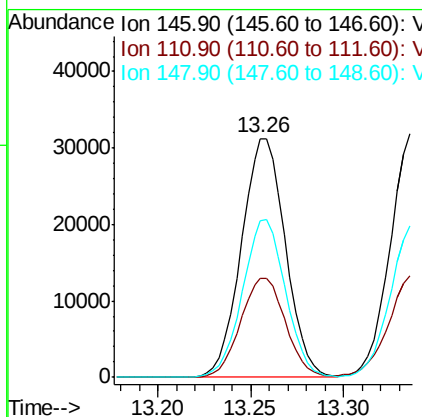
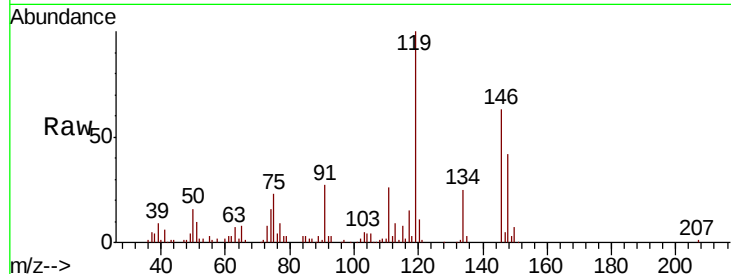




#87
 1,3-Dichlorobenzene
 Concen: 18.788 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

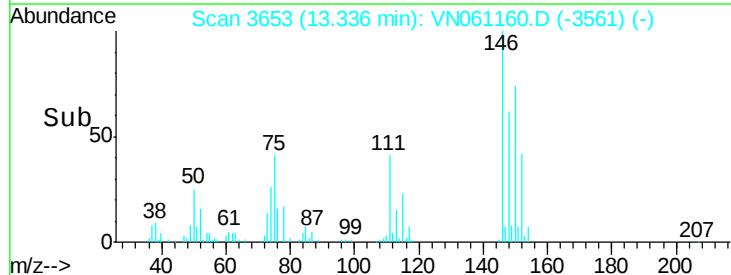
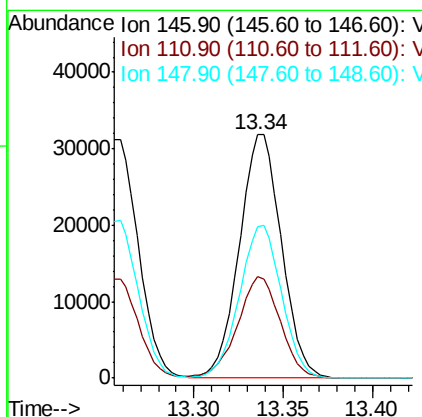
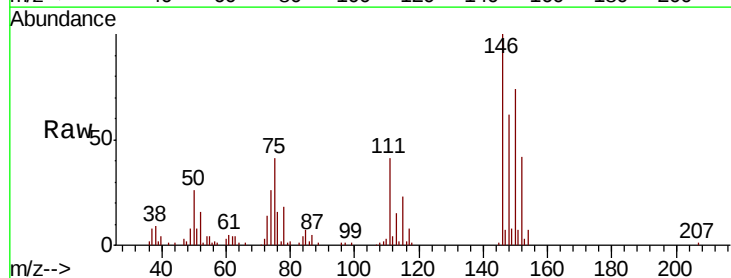
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0428WBS01

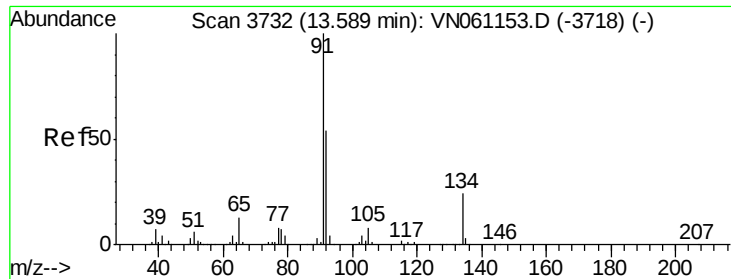
Tot Ion:146 Resp: 51786
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.7 62.1
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.675 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061160.D
 Acq: 28 Apr 2020 13:45

Tgt Ion:146 Resp: 52593
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.4 61.3
 148 62.9 31.9 95.7

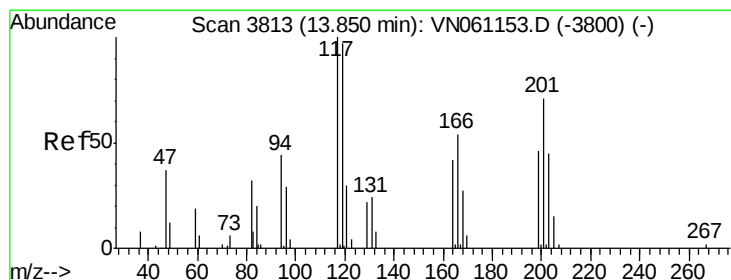
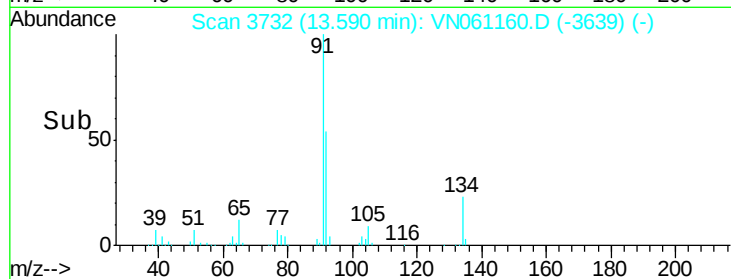
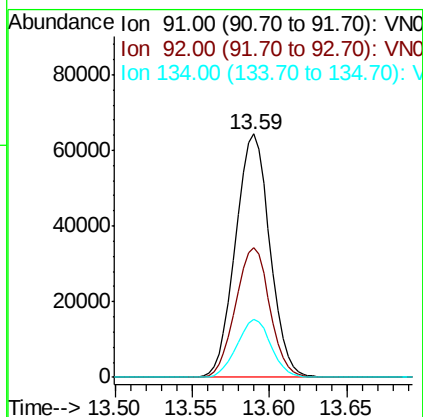
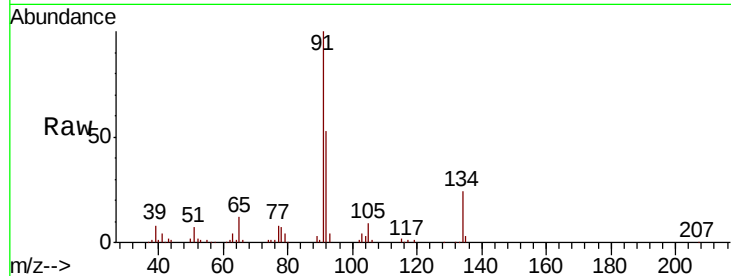




#89
n-Butylbenzene
Concen: 19.491 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

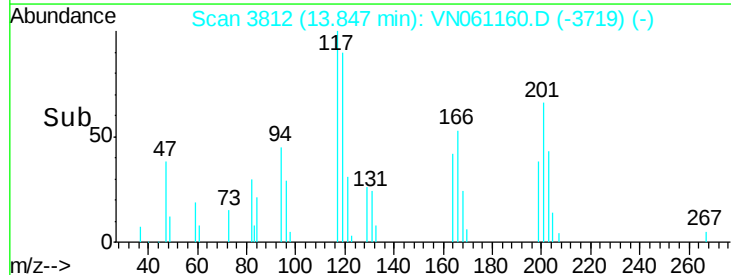
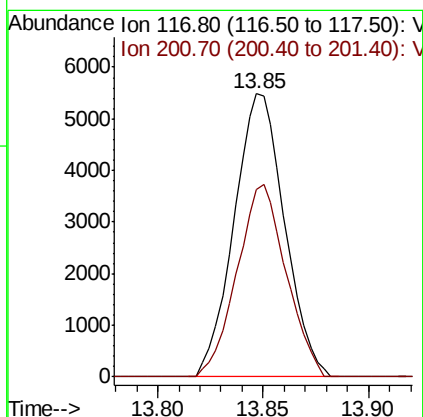
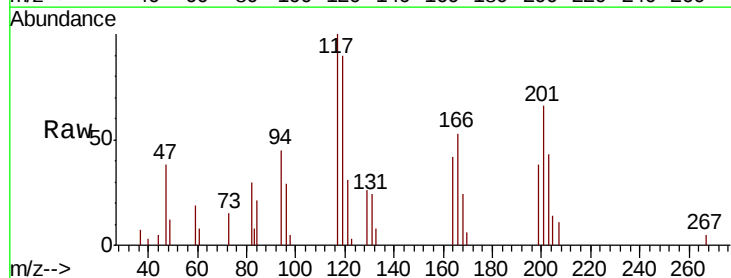
Instrument :
MSVOA_N
ClientSampled :
VN0428WBS01

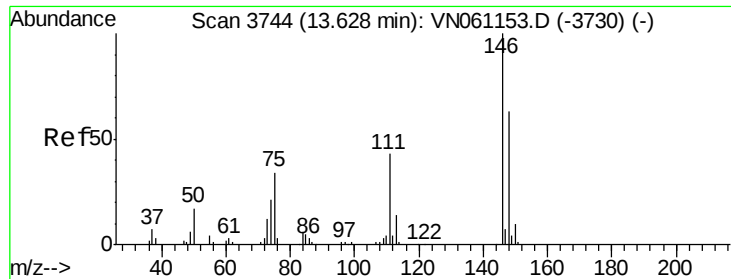
Tot Ion: 91 Resp: 99356
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.3
134 23.6 11.9 35.5



#90
Hexachloroethane
Concen: 20.926 ug/l
RT: 13.85 min Scan# 3812
Delta R.T. -0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion: 117 Resp: 9102
Ion Ratio Lower Upper
117 100
201 66.0 35.5 106.7





#91

1,2-Dichlorobenzene

Concen: 18.964 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

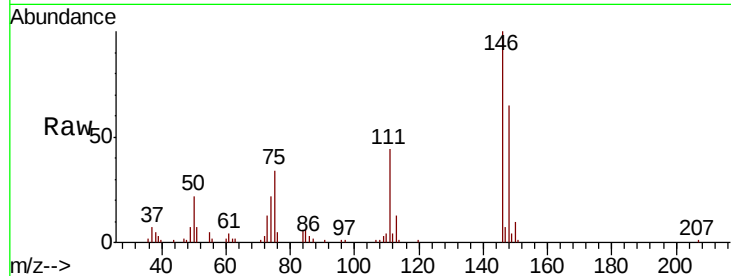
Tot Ion:146 Resp: 50120

Ion Ratio Lower Upper

146 100

111 44.2 21.8 65.3

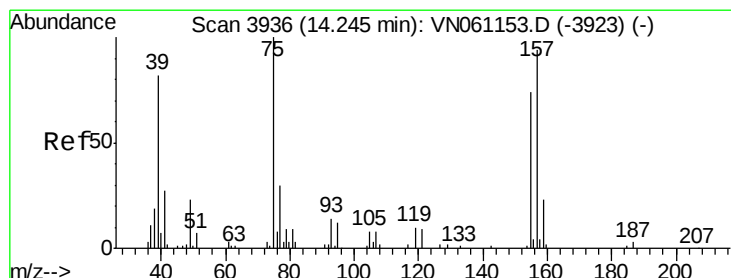
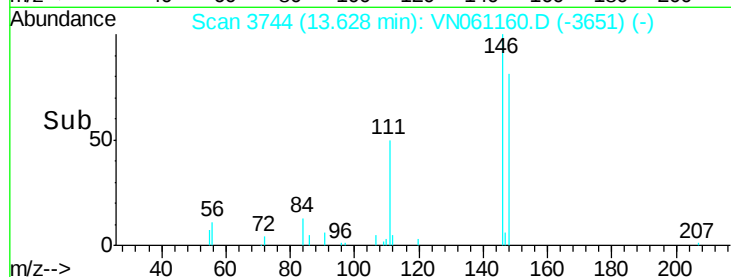
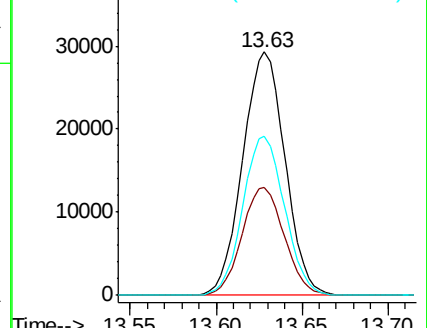
148 64.3 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.538 ug/l

RT: 14.24 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

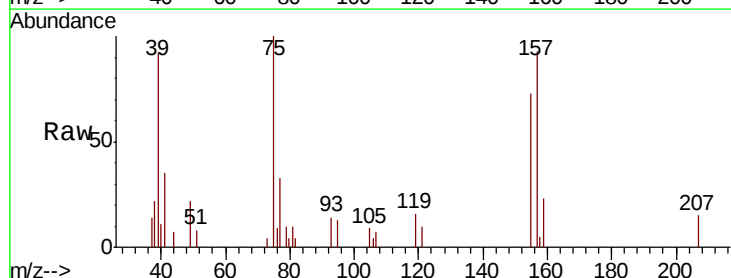
Tgt Ion: 75 Resp: 7491

Ion Ratio Lower Upper

75 100

155 73.0 36.5 109.7

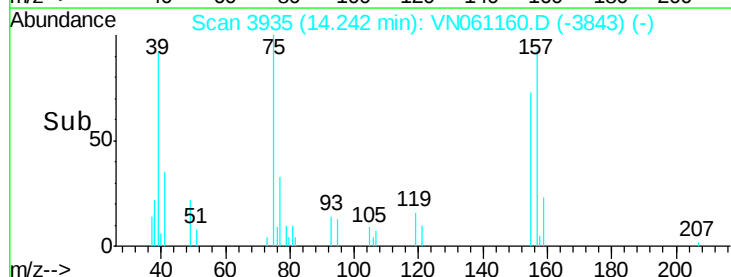
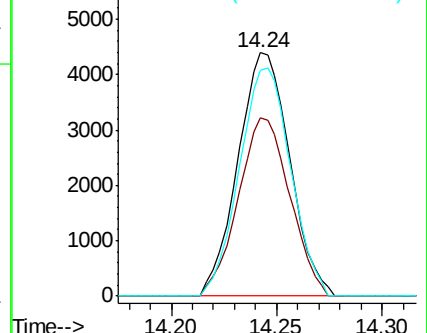
157 92.9 46.6 139.7

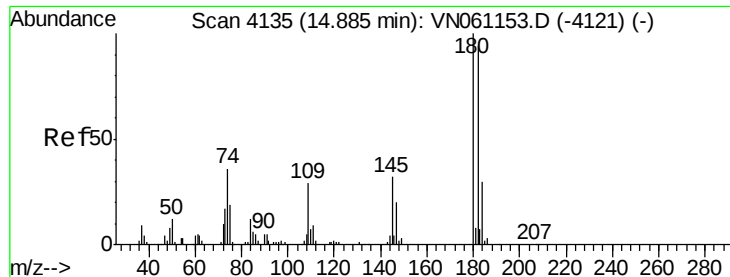


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.114 ug/l

RT: 14.88 min Scan# 4134

Delta R.T. -0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN0428WBS01

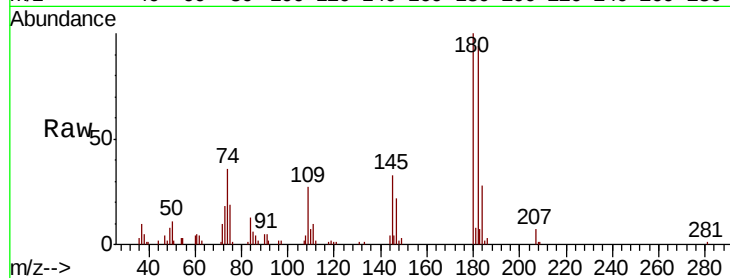
Tot Ion:180 Resp: 30762

Ion Ratio Lower Upper

180 100

182 94.6 47.3 141.9

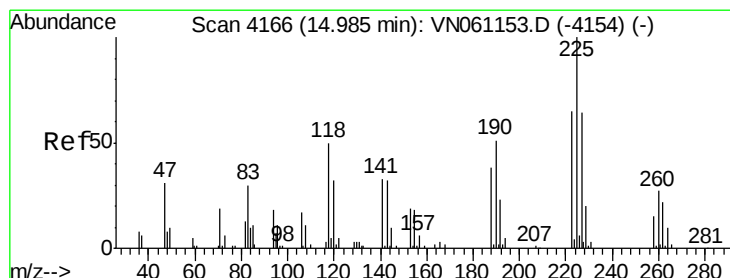
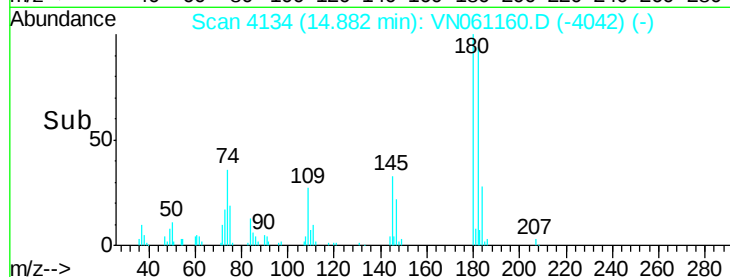
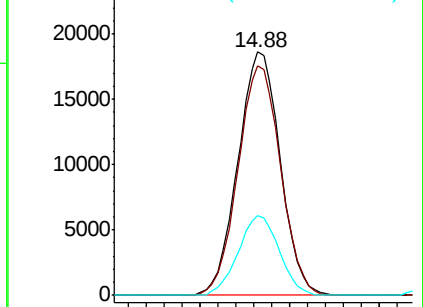
145 31.7 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.107 ug/l

RT: 14.99 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VN061160.D

Acq: 28 Apr 2020 13:45

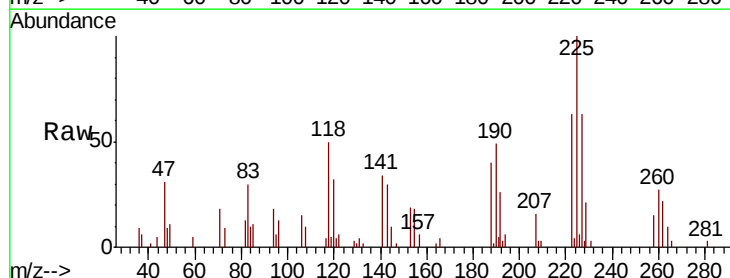
Tgt Ion:225 Resp: 14191

Ion Ratio Lower Upper

225 100

223 60.0 32.4 97.0

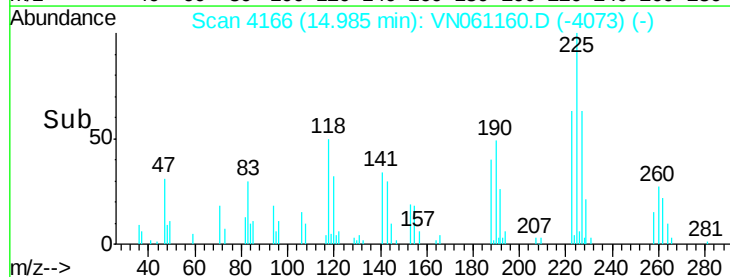
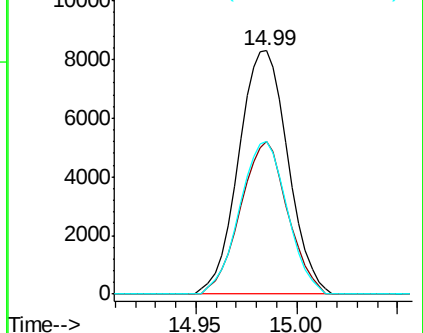
227 60.4 32.4 97.0

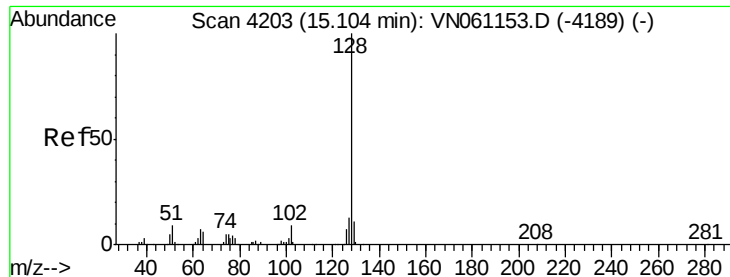


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

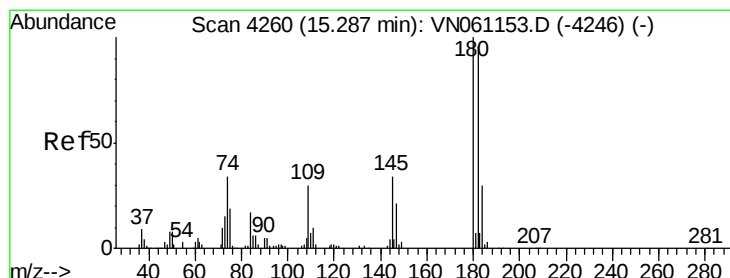
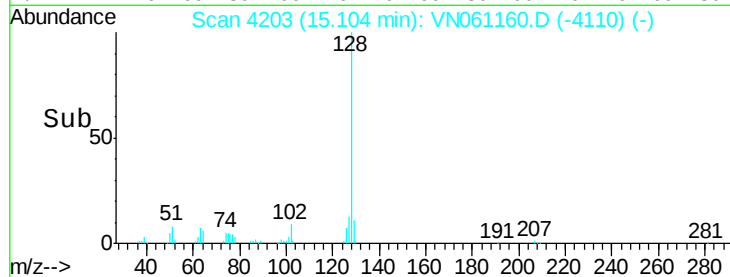
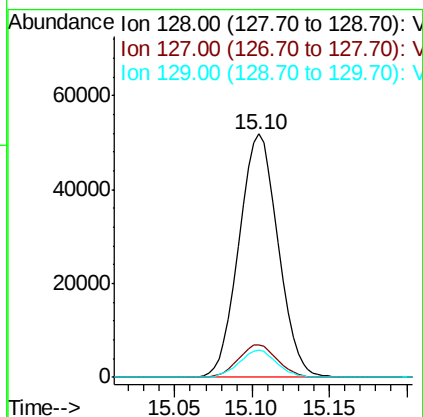
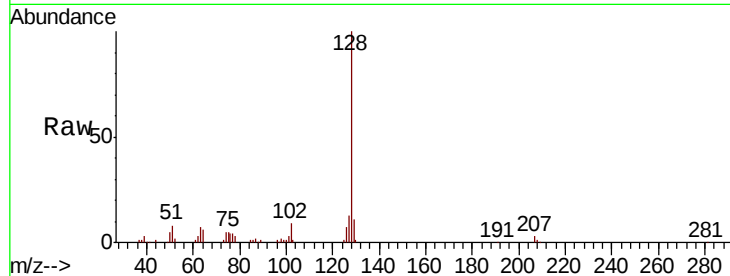




#95
Naphthalene
Concen: 17.375 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0428WBS01

Tot Ion:128 Resp: 91068
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.310 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061160.D
Acq: 28 Apr 2020 13:45

Tgt Ion:180 Resp: 29093
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.5
145 33.1 16.9 50.7

