

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051520\
 Data File : VN061412.D
 Acq On : 15 May 2020 15:34
 Operator : JC/MD
 Sample : VN0515WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

Quant Time: May 16 00:39:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	17763	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	108979	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	98922	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	50573	31.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.97%
60) 4-Bromofluorobenzene	12.37	95	50897	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	10.06	98	138933	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	15134	18.71	ug/l	97
3) Chloromethane	2.03	50	31532	21.32	ug/l	97
4) Vinyl Chloride	2.16	62	44512	22.46	ug/l	100
5) Bromomethane	2.54	94	22641	22.49	ug/l	92
6) Chloroethane	2.67	64	30686	22.88	ug/l	97
7) Trichlorofluoromethane	2.98	101	49586	23.37	ug/l	99
8) Diethyl Ether	3.37	74	13024	19.30	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	19249	21.24	ug/l	94
10) 1,1-Dichloroethene	3.69	96	19320	20.25	ug/l	98
11) Methyl Iodide	3.91	142	21129	20.46	ug/l	98
12) Methyl Acetate	4.28	43	23880	20.61	ug/l	100
13) Acrolein	3.56	56	15656	80.24	ug/l	94
14) Acrylonitrile	4.93	53	57762	106.20	ug/l	96
15) Acetone	3.77	58	14245	109.06	ug/l	88
16) Carbon Disulfide	4.01	76	48013	17.90	ug/l	100
17) Allyl chloride	4.27	41	38769	20.19	ug/l	96
18) Methylene Chloride	4.50	84	23003	19.98	ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	22333	19.67	ug/l	91
20) Diisopropyl ether	5.90	45	88194	19.73	ug/l	94
21) 1,1-Dichloroethane	5.79	63	47251	20.24	ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	26912	20.21	ug/l	95
23) tert-Butyl Alcohol	4.73	59	24327	139.53	ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	77328	19.97	ug/l	95
25) Chloroform	7.33	83	46017	20.33	ug/l	92
26) Cyclohexane	7.61	56	44115	19.79	ug/l #	98
29) 1,1-Dichloropropene	7.75	75	36145	18.90	ug/l	99
30) 2-Butanone	6.78	43	82981	102.58	ug/l	99
31) 2,2-Dichloropropane	6.77	77	43550	19.49	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	40393	18.88	ug/l	98
33) Carbon Tetrachloride	7.73	117	31052	18.91	ug/l	97
34) Benzene	8.00	78	104225	19.26	ug/l	98
35) Methacrylonitrile	7.13	41	15445m	19.04	ug/l	
36) 1,2-Dichloroethane	8.09	62	40583	19.54	ug/l	99
37) Trichloroethene	8.80	130	26455	19.86	ug/l	99
38) Methylcyclohexane	9.05	83	44633	19.44	ug/l	98
39) 1,2-Dichloropropane	9.08	63	28820	19.38	ug/l	97
40) Dibromomethane	9.17	93	17691	19.26	ug/l	90

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

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Quant Time: May 16 00:39:52 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	37599	18.87	ug/l	99
42) Vinyl Acetate	5.84	43	362330	94.32	ug/l	99
43) Ethyl Acetate	6.88	43	35130	20.33	ug/l	94
44) Isopropyl Acetate	8.12	43	65891	19.64	ug/l	# 86
45) 1,4-Dioxane	9.17	88	9473	715.50	ug/l	95
46) Methyl methacrylate	9.17	41	29337	18.59	ug/l	95
47) n-amyl Acetate	12.04	43	55070	18.40	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	44034	18.72	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	45981	18.48	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	24574	19.35	ug/l	98
51) Ethyl methacrylate	10.40	69	40786	18.64	ug/l	93
52) 1,3-Dichloropropane	10.68	76	44802	19.32	ug/l	97
53) Dibromochloromethane	10.87	129	25742	18.50	ug/l	99
54) 1,2-Dibromoethane	10.98	107	24484	18.68	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	95324	98.42	ug/l	99
56) Bromoform	12.10	173	15512	17.72	ug/l	# 97
58) 4-Methyl-2-Pentanone	9.95	43	179830	99.76	ug/l	99
59) 2-Hexanone	10.72	43	128642	100.89	ug/l	99
61) Tetrachloroethene	10.60	164	24882	20.11	ug/l	96
62) Toluene	10.12	91	111530	19.44	ug/l	99
64) Chlorobenzene	11.41	112	66830	19.69	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	23891	19.26	ug/l	96
66) Ethyl Benzene	11.48	91	126903	19.28	ug/l	100
67) m/p-Xylenes	11.60	106	94093	38.71	ug/l	100
68) o-Xylene	11.92	106	45319	19.53	ug/l	100
69) Styrene	11.94	104	75220	18.84	ug/l	97
70) Isopropylbenzene	12.22	105	120215	19.12	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	33945	19.55	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	32286m	19.49	ug/l	
73) Bromobenzene	12.50	156	24733	18.94	ug/l	90
74) n-propylbenzene	12.57	91	142608	19.08	ug/l	98
75) 2-Chlorotoluene	12.65	91	83195	19.41	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	101567	19.25	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	12602	18.28	ug/l	97
78) 4-Chlorotoluene	12.75	91	84629	18.86	ug/l	98
79) tert-butylbenzene	12.97	119	83412	19.04	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	100612	19.11	ug/l	100
81) sec-Butylbenzene	13.15	105	116515	19.30	ug/l	100
82) p-Isopropyltoluene	13.27	119	103131	18.97	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	45266	18.65	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	44380	18.48	ug/l	97
85) n-Butylbenzene	13.59	91	94905	18.86	ug/l	98
86) Hexachloroethane	13.85	117	13777	18.18	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	43436	18.87	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7554	20.41	ug/l	87
89) 1,2,4-Trichlorobenzene	14.89	180	23464	17.74	ug/l	97
90) Hexachlorobutadiene	14.99	225	10222	18.97	ug/l	98
91) Naphthalene	15.11	128	75335	18.11	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	23418	18.23	ug/l	98

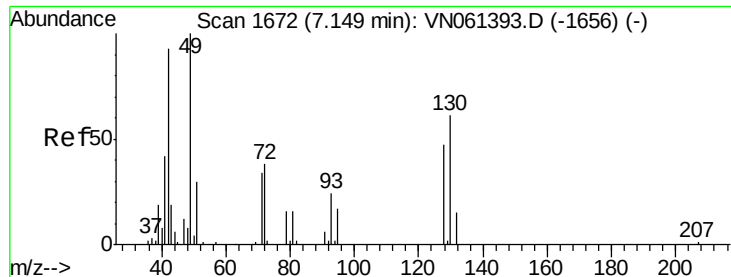
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051520\
Data File : VN061412.D
Acq On : 15 May 2020 15:34
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Quant Time: May 16 00:39:52 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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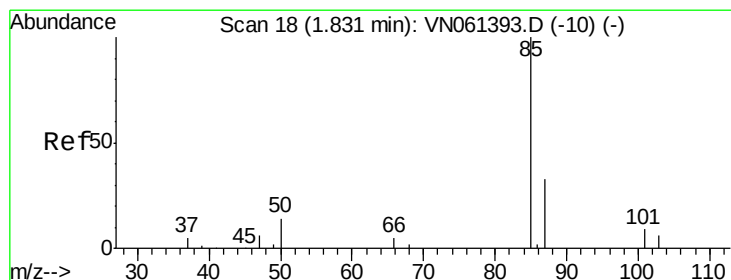
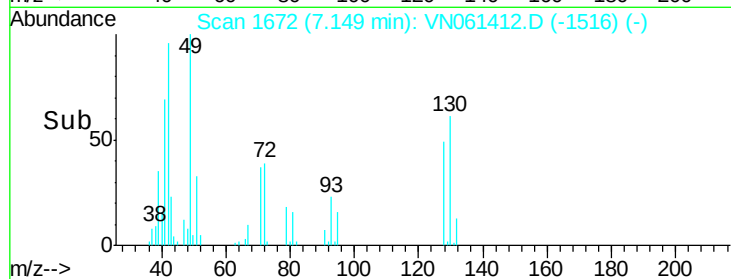
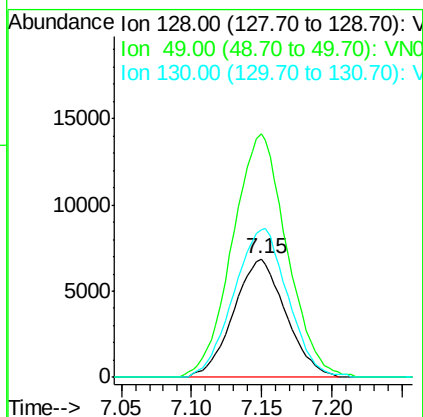
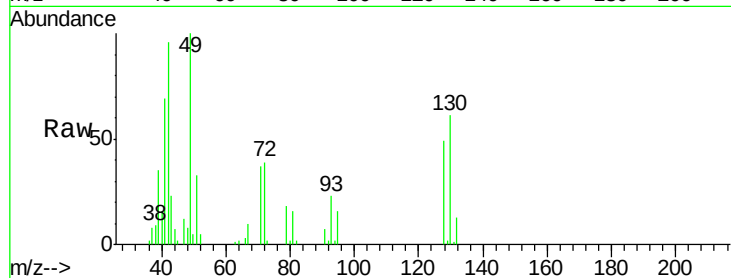
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

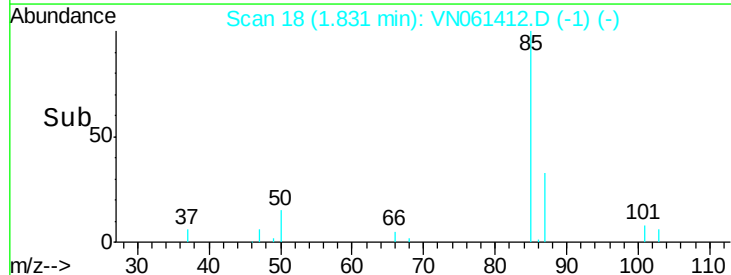
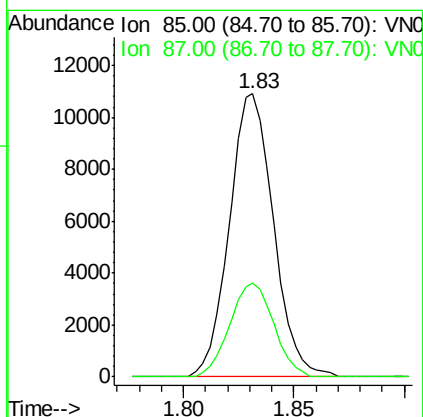
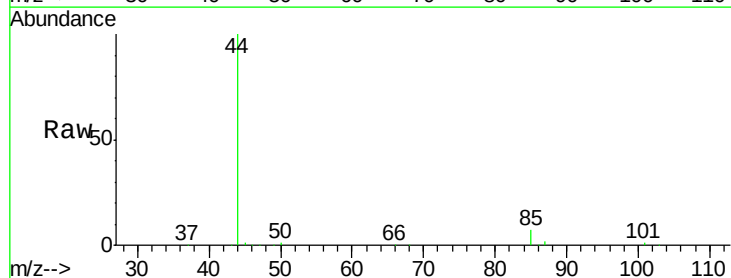
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBS01

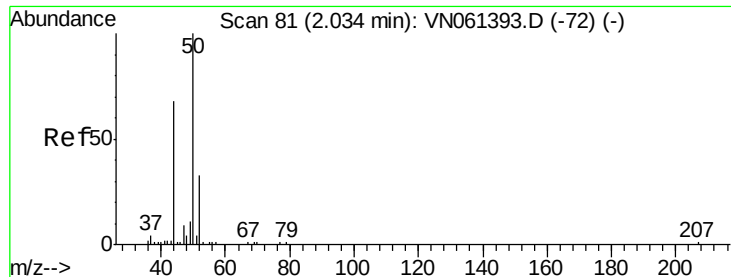
Tgt Ion:128 Resp: 17763
Ion Ratio Lower Upper
128 100
49 214.1 0.0 453.5
130 129.8 0.0 314.2



#2
Dichlorodifluoromethane
Concen: 18.71 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion: 85 Resp: 15134
Ion Ratio Lower Upper
85 100
87 33.1 15.7 47.0





#3

Chloromethane

Concen: 21.32 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampled :

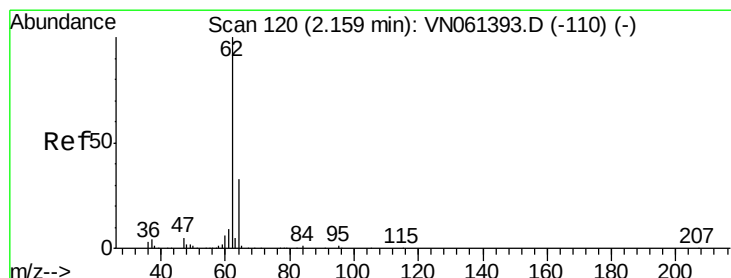
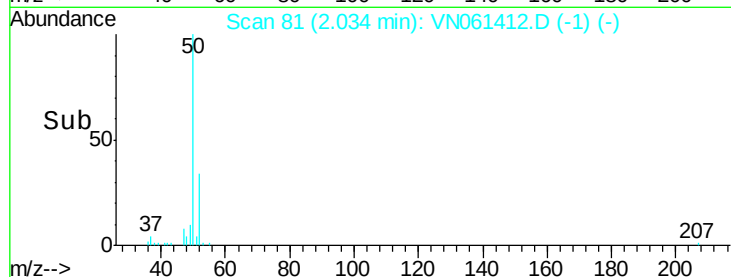
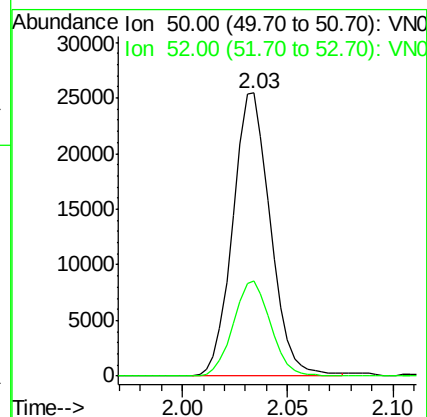
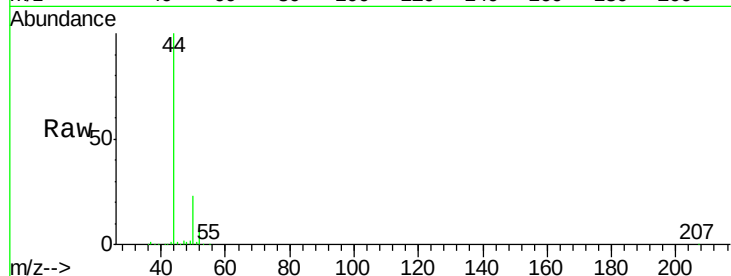
VN0515WBS01

Tgt Ion: 50 Resp: 31532

Ion Ratio Lower Upper

50 100

52 33.7 25.8 38.8



#4

Vinyl Chloride

Concen: 22.46 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061412.D

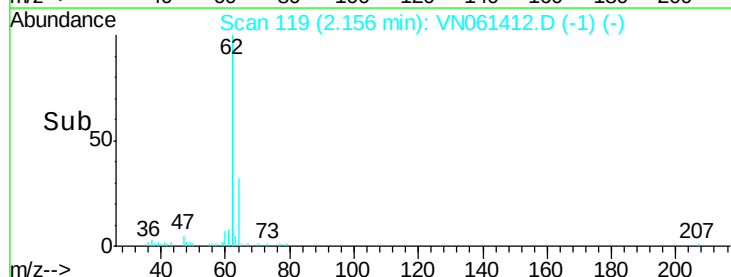
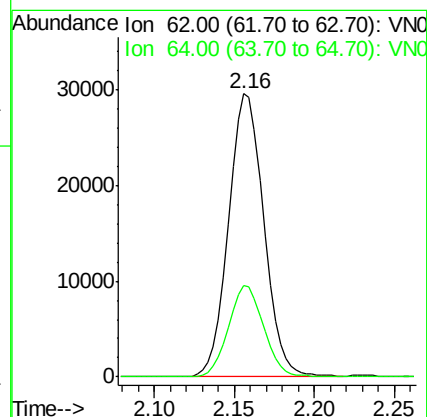
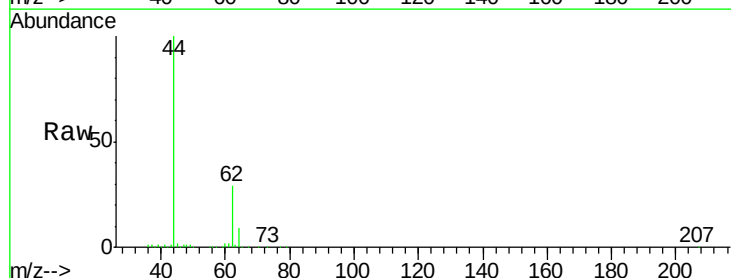
Acq: 15 May 2020 15:34

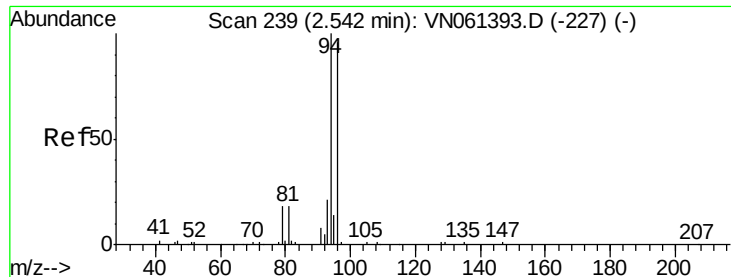
Tgt Ion: 62 Resp: 44512

Ion Ratio Lower Upper

62 100

64 32.4 26.1 39.1

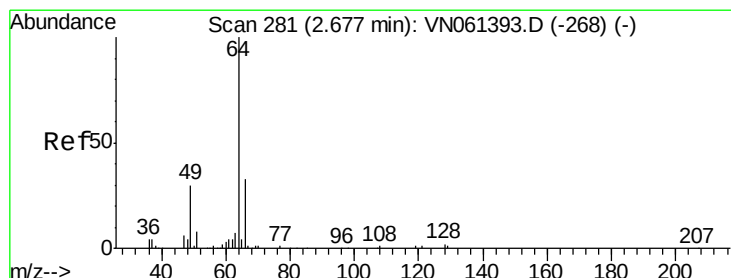
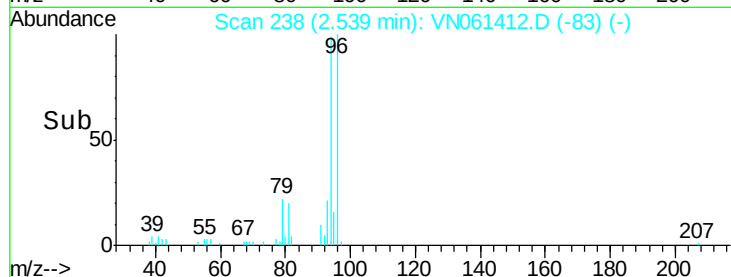
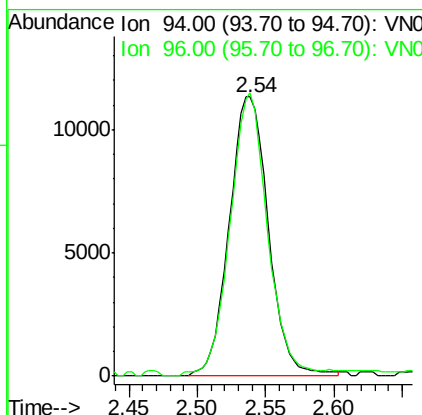
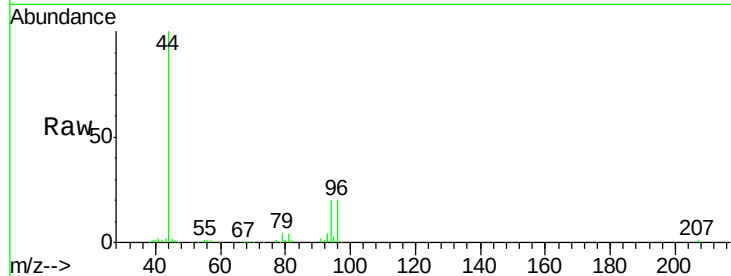




#5
 Bromomethane
 Concen: 22.49 ug/l
 RT: 2.54 min Scan# 238
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

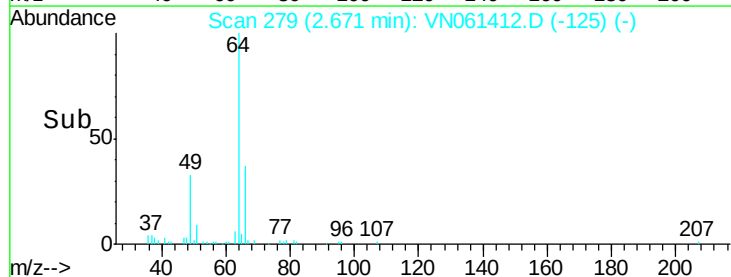
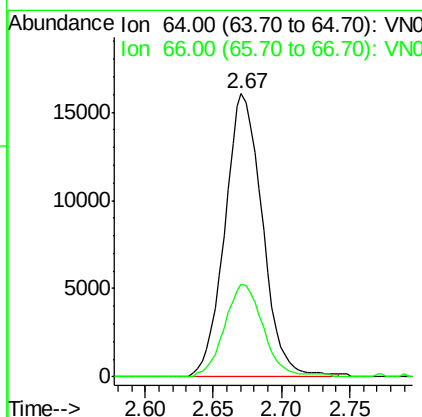
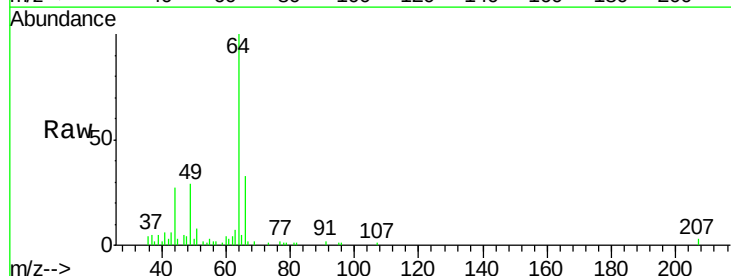
Instrument :
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 VN0515WBS01

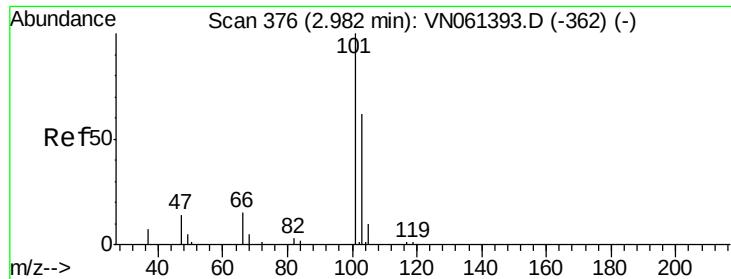
Tgt Ion: 94 Resp: 22641
 Ion Ratio Lower Upper
 94 100
 96 99.8 73.7 110.5



#6
 Chloroethane
 Concen: 22.88 ug/l
 RT: 2.67 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 64 Resp: 30686
 Ion Ratio Lower Upper
 64 100
 66 32.5 24.6 36.8



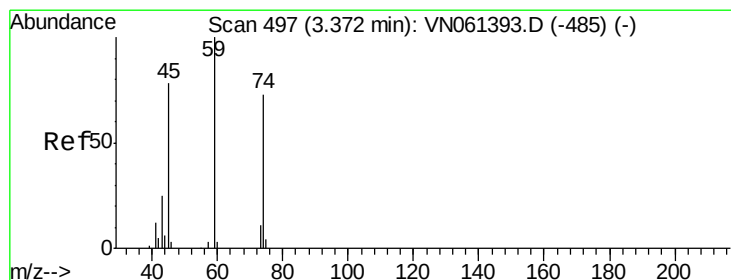
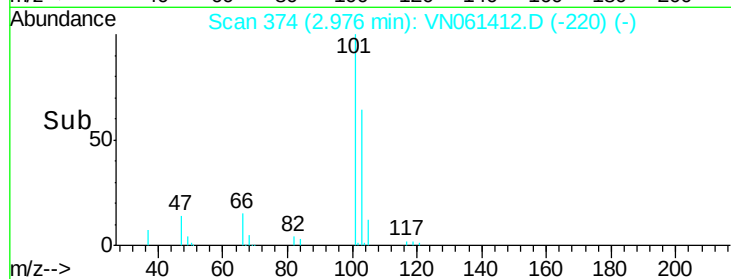
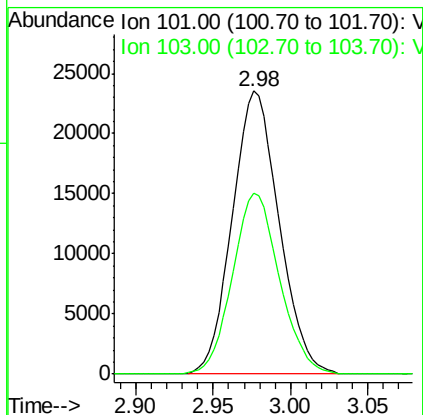
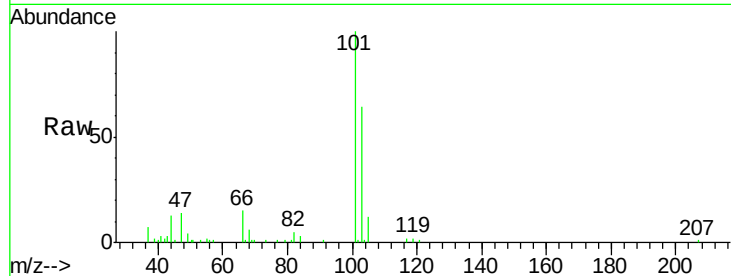


#7

Trichlorofluoromethane
 Concen: 23.37 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0515WBS01

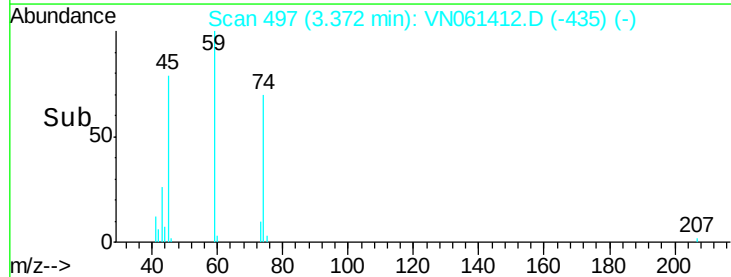
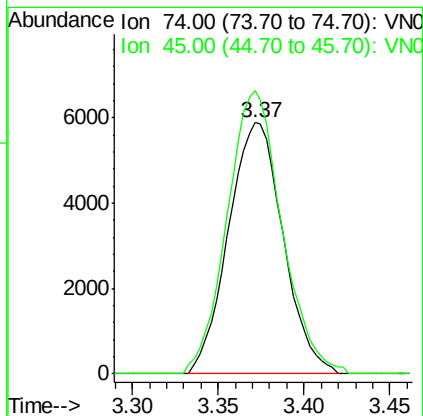
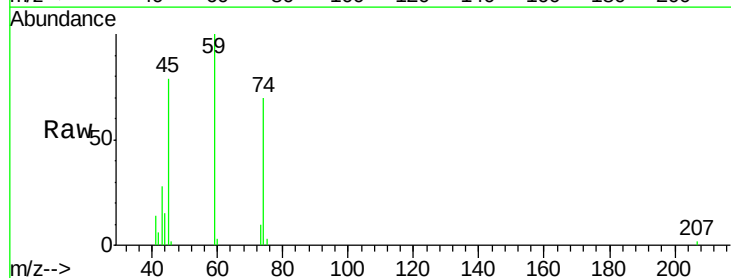
Tgt Ion:101 Resp: 49586
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.5 77.3

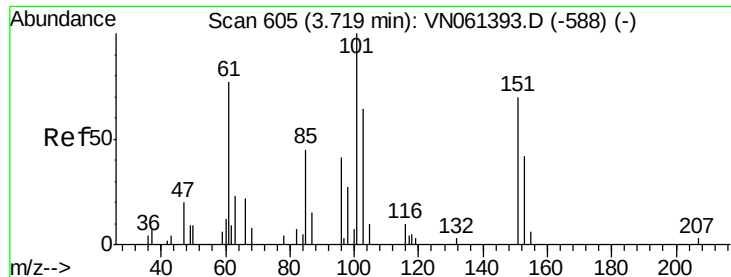


#8

Diethyl Ether
 Concen: 19.30 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 74 Resp: 13024
 Ion Ratio Lower Upper
 74 100
 45 112.8 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.24 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBS01

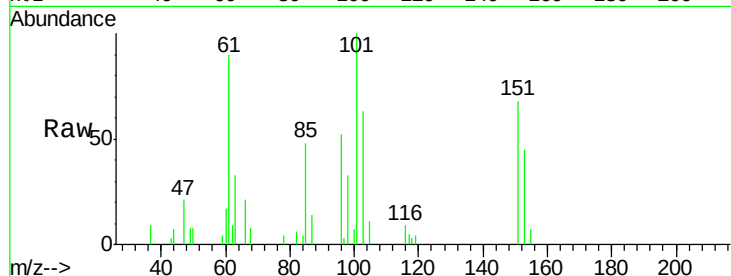
Tgt Ion: 101 Resp: 19249

Ion Ratio Lower Upper

101 100

85 46.8 0.0 93.8

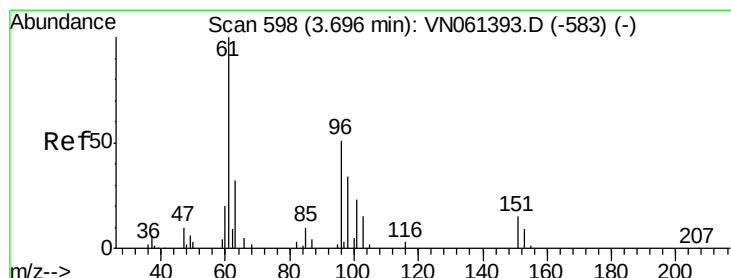
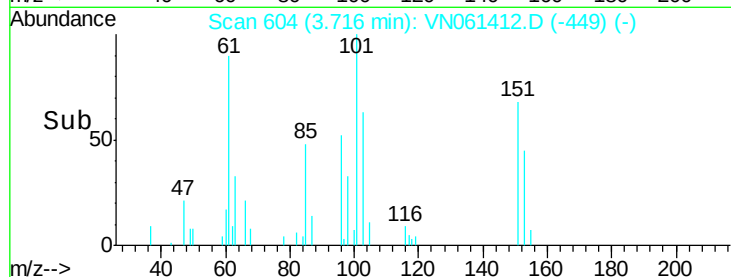
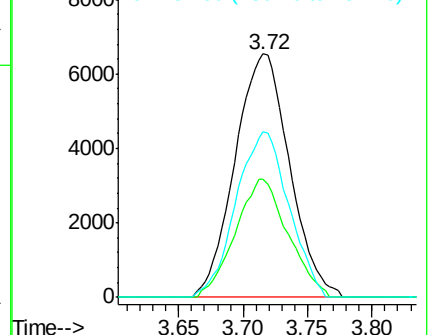
151 65.9 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.25 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

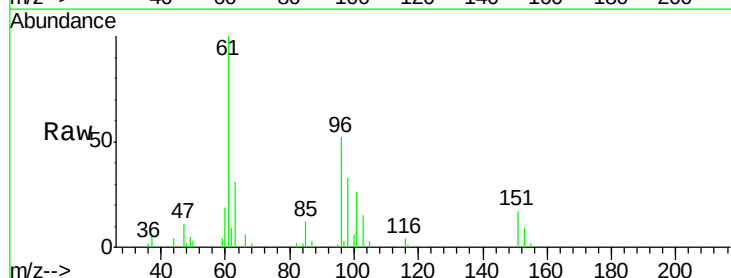
Tgt Ion: 96 Resp: 19320

Ion Ratio Lower Upper

96 100

61 189.8 148.5 222.7

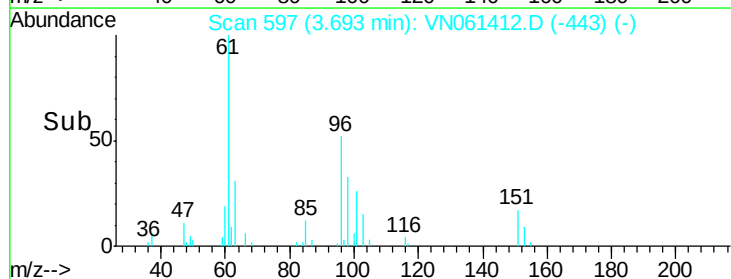
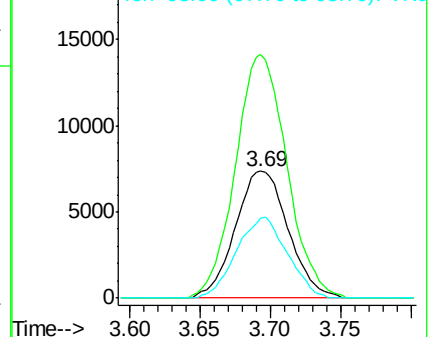
98 63.0 51.0 76.6

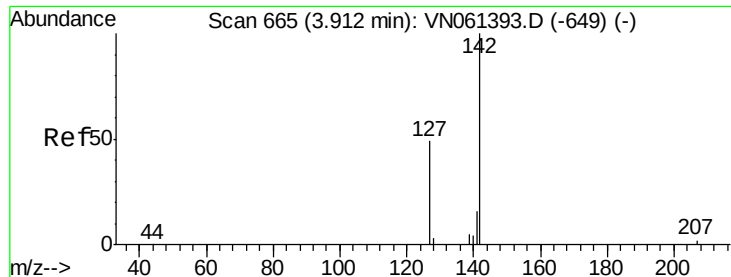


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

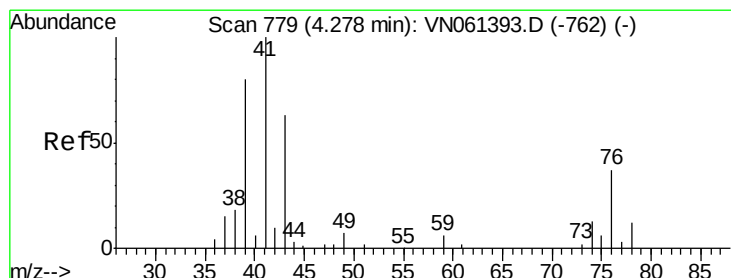
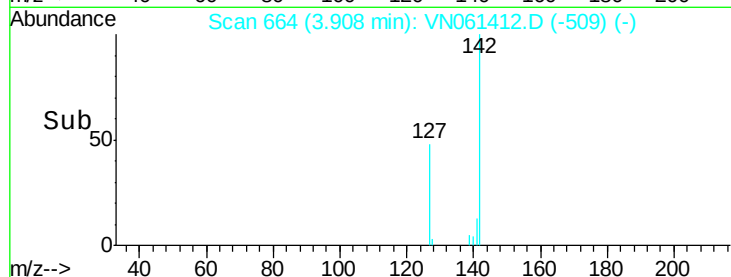
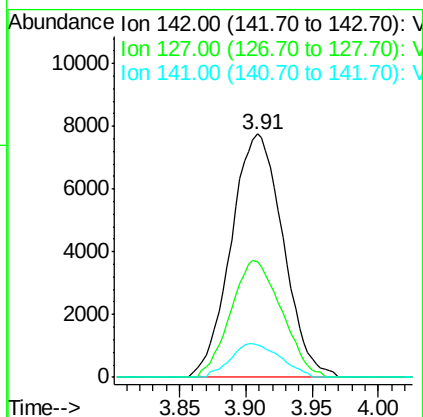
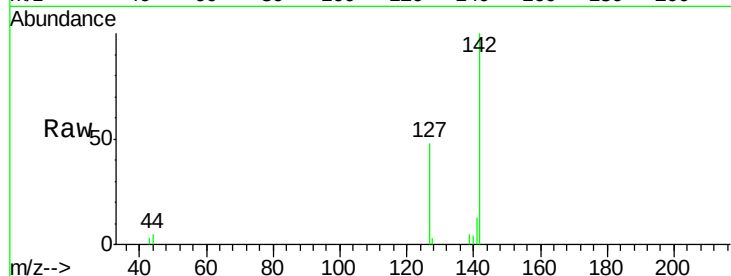




#11
Methyl Iodide
Concen: 20.46 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

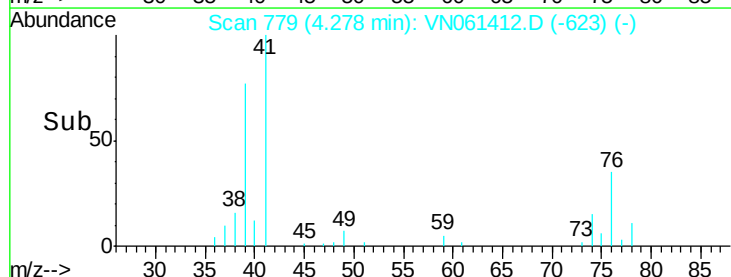
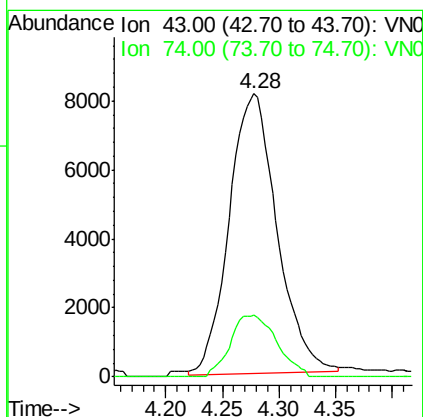
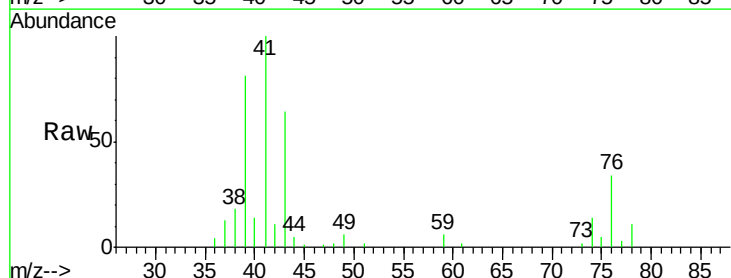
Instrument :
MSVOA_N
ClientSampled :
VN0515WBS01

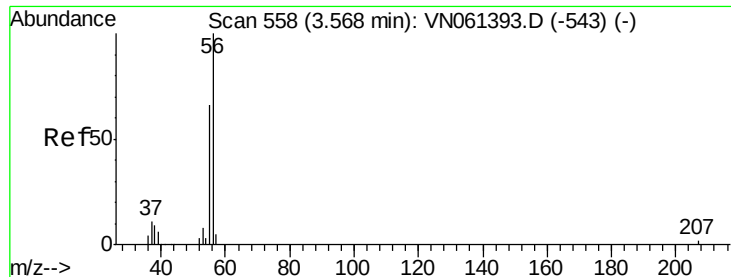
Tgt Ion:142 Resp: 21129
Ion Ratio Lower Upper
142 100
127 47.7 23.5 70.6
141 13.3 7.4 22.2



#12
Methyl Acetate
Concen: 20.61 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion: 43 Resp: 23880
Ion Ratio Lower Upper
43 100
74 22.4 18.1 27.1





#13

Acrolein

Concen: 80.24 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.01 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

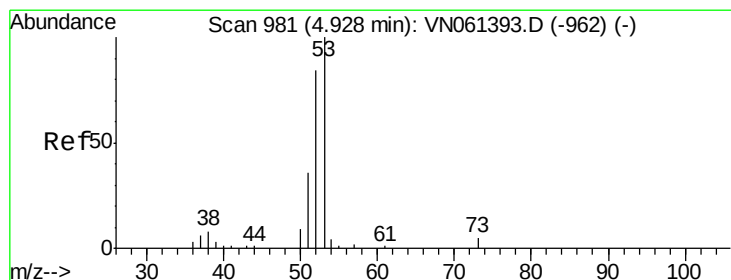
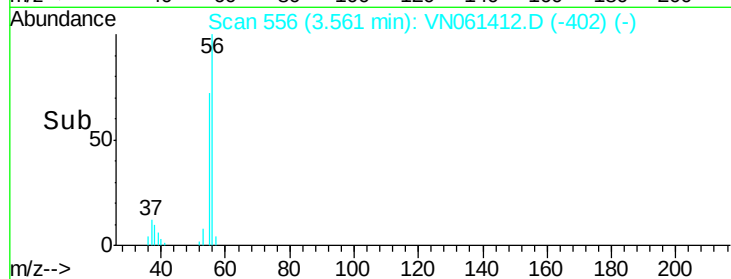
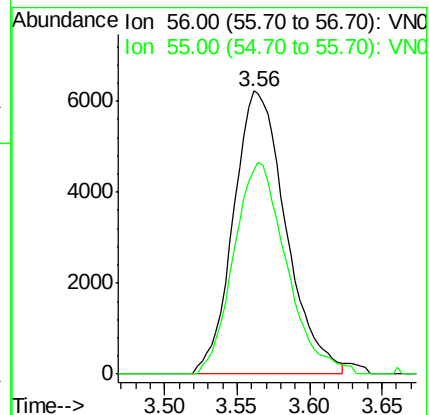
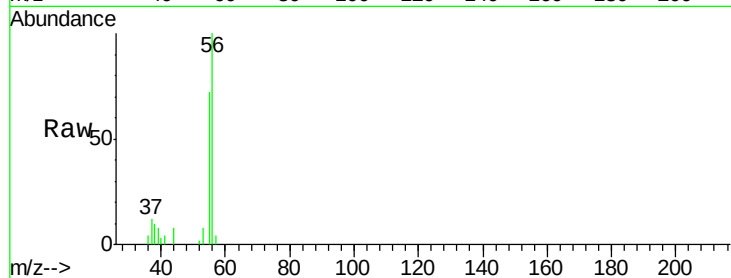
VN0515WBS01

Tgt Ion: 56 Resp: 15656

Ion Ratio Lower Upper

56 100

55 74.8 55.9 83.9



#14

Acrylonitrile

Concen: 106.20 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

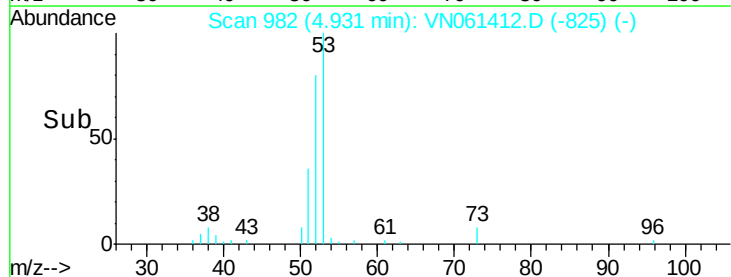
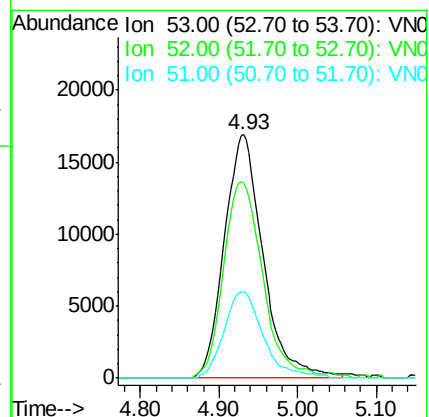
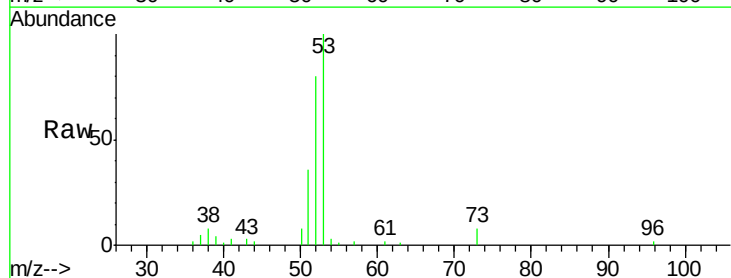
Tgt Ion: 53 Resp: 57762

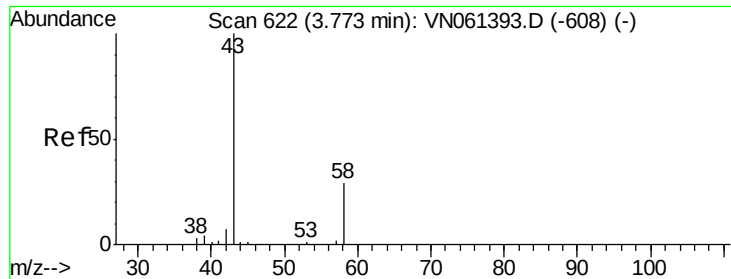
Ion Ratio Lower Upper

53 100

52 79.8 42.2 126.6

51 36.0 18.8 56.4





#15

Acetone

Concen: 109.06 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

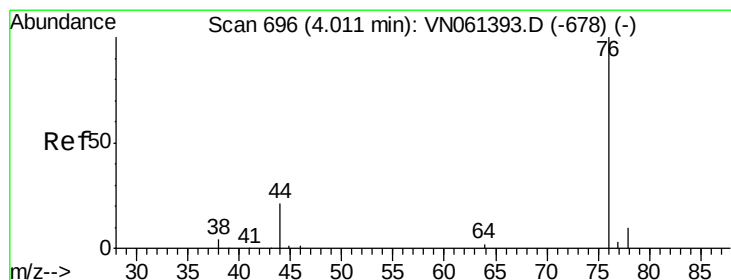
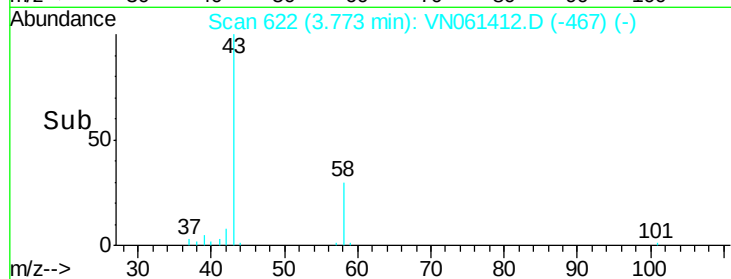
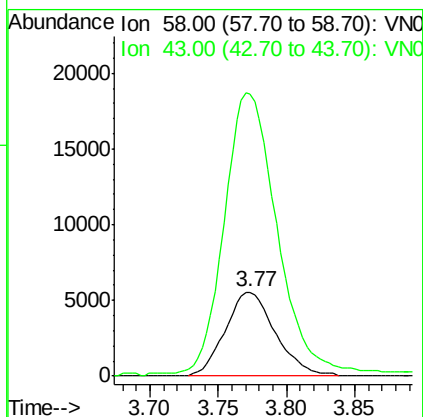
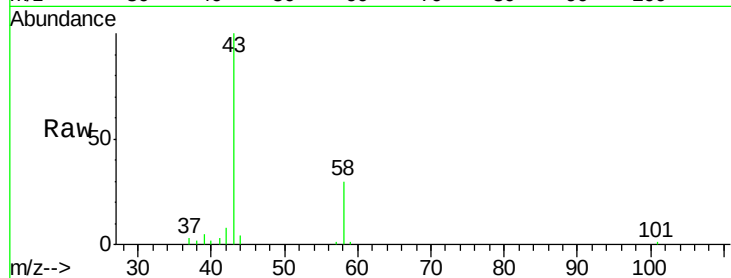
VN0515WBS01

Tgt Ion: 58 Resp: 14245

Ion Ratio Lower Upper

58 100

43 325.6 281.7 422.5



#16

Carbon Disulfide

Concen: 17.90 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061412.D

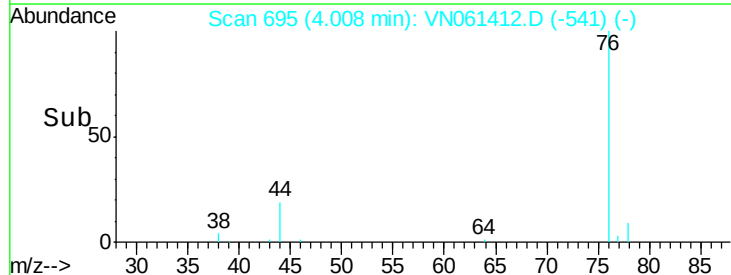
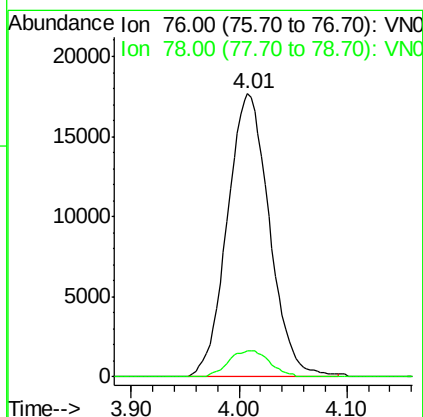
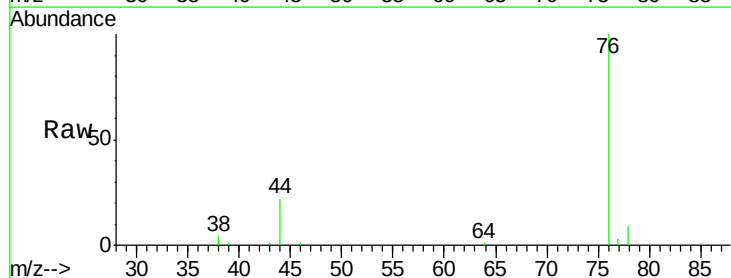
Acq: 15 May 2020 15:34

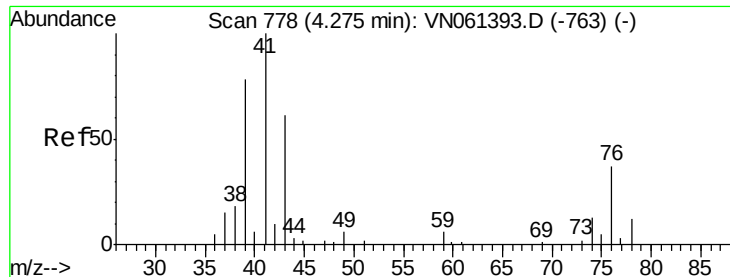
Tgt Ion: 76 Resp: 48013

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

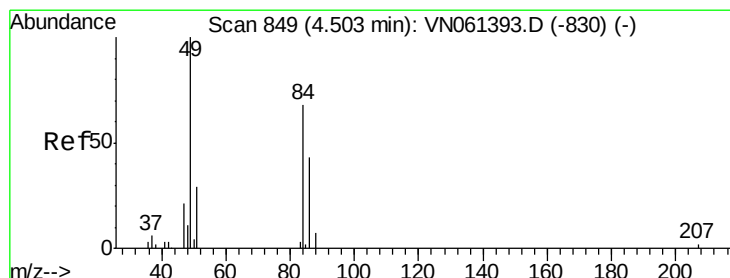
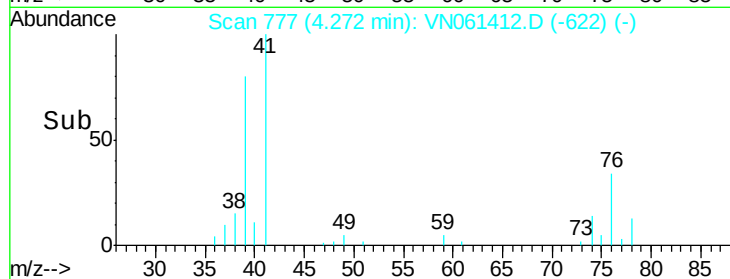
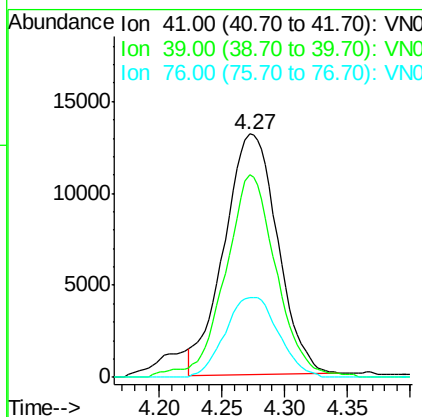
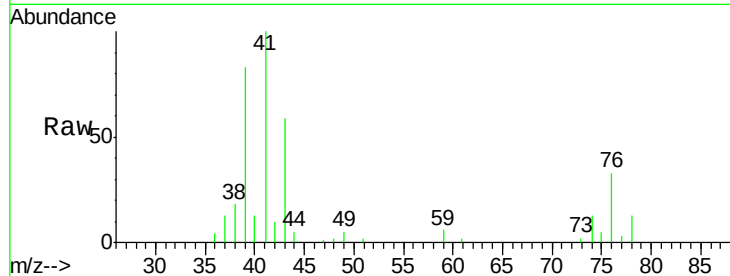




#17
 Allyl chloride
 Concen: 20.19 ug/l
 RT: 4.27 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

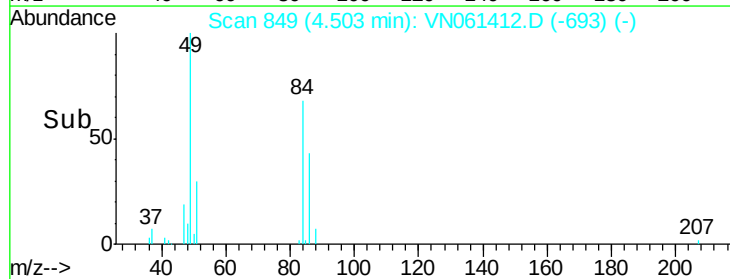
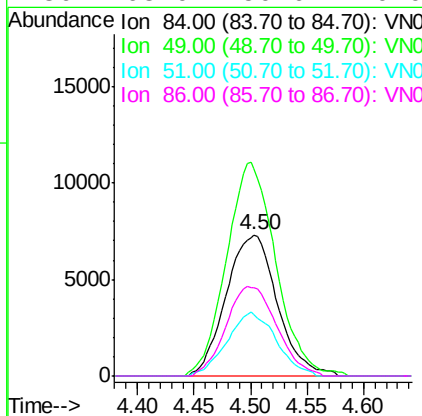
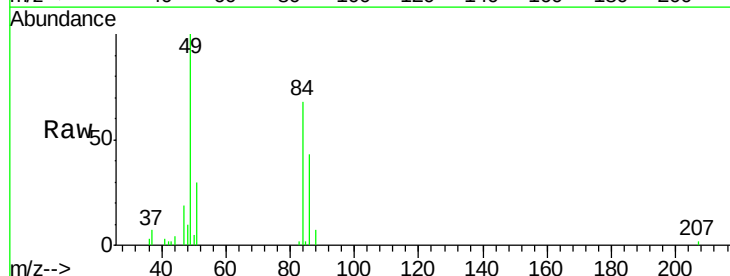
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

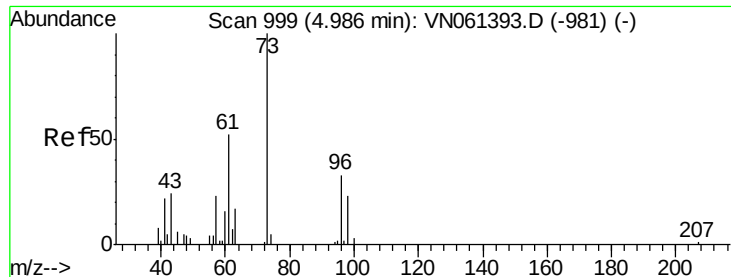
Tgt Ion: 41 Resp: 38769
 Ion Ratio Lower Upper
 41 100
 39 83.4 39.6 118.8
 76 33.2 17.6 52.9



#18
 Methylene Chloride
 Concen: 19.98 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 84 Resp: 23003
 Ion Ratio Lower Upper
 84 100
 49 144.2 106.6 160.0
 51 43.8 32.4 48.6
 86 63.0 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 19.67 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampled :

VN0515WBS01

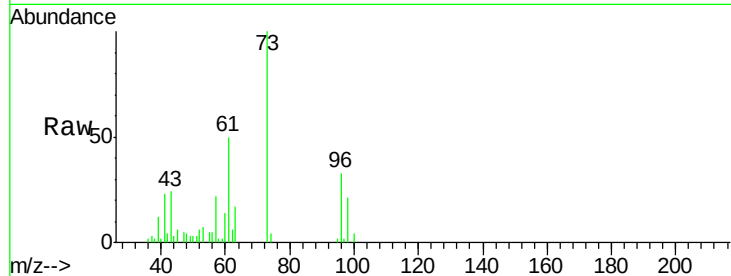
Tgt Ion: 96 Resp: 22333

Ion Ratio Lower Upper

96 100

61 150.7 131.8 197.6

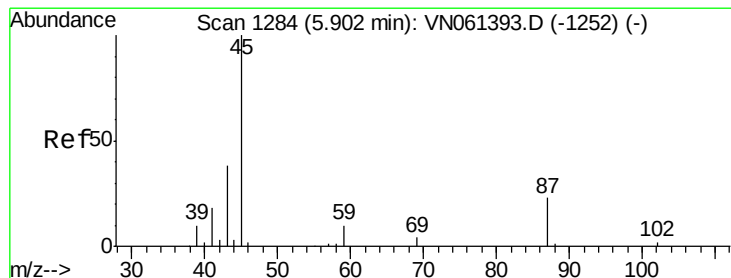
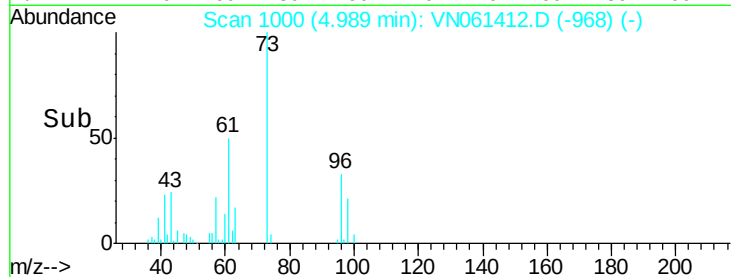
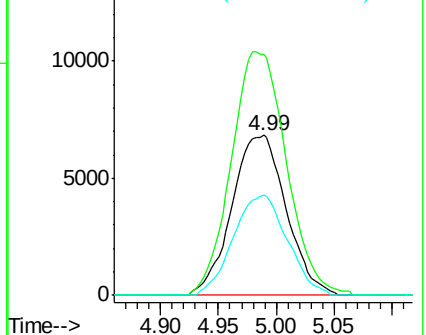
98 62.6 52.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.73 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Tgt Ion: 45 Resp: 88194

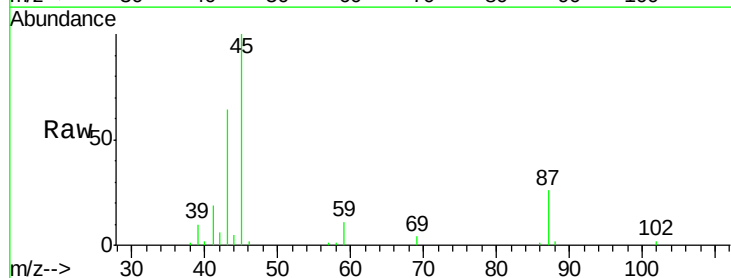
Ion Ratio Lower Upper

45 100

43 61.7 54.7 82.1

87 26.0 21.5 32.3

59 11.3 8.7 13.1

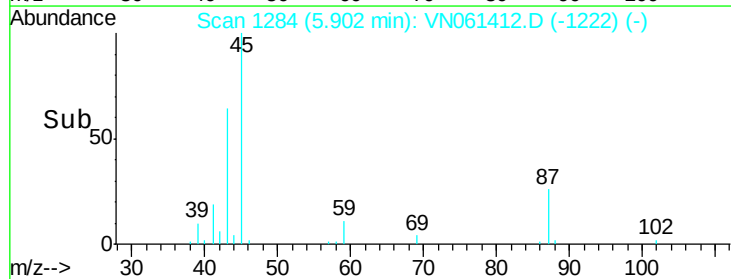
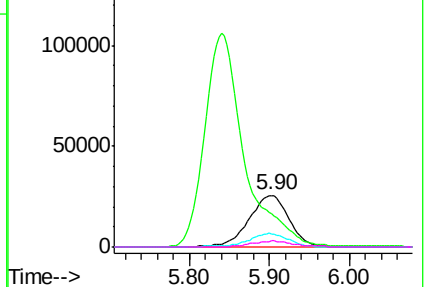


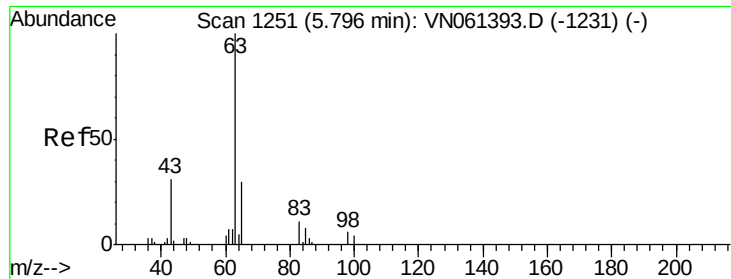
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

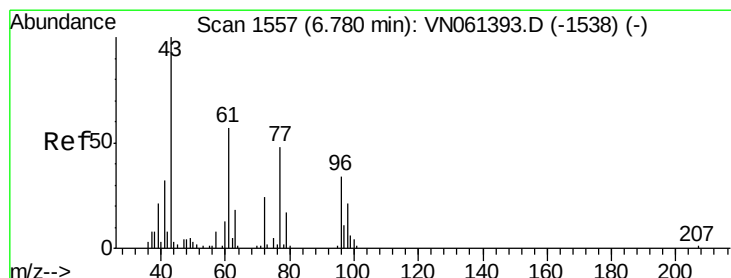
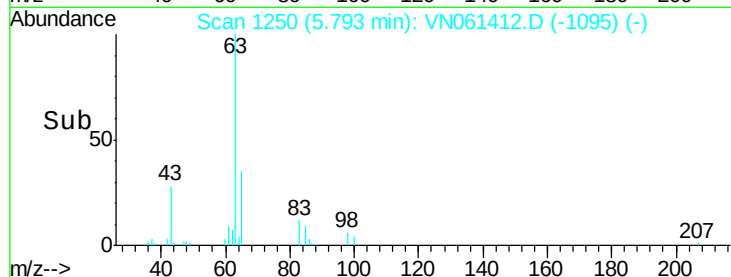
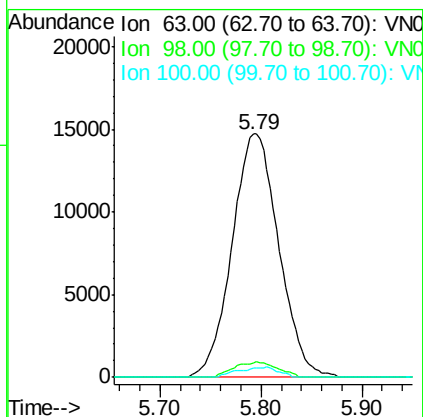
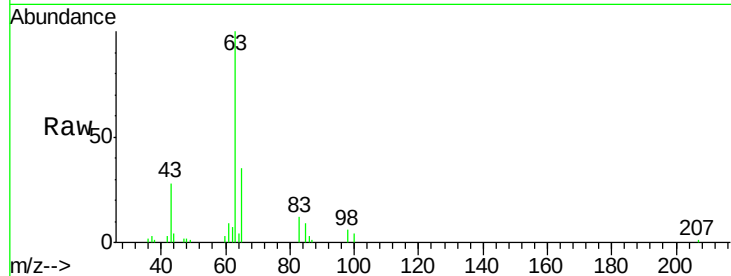




#21
 1,1-Dichloroethane
 Concen: 20.24 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

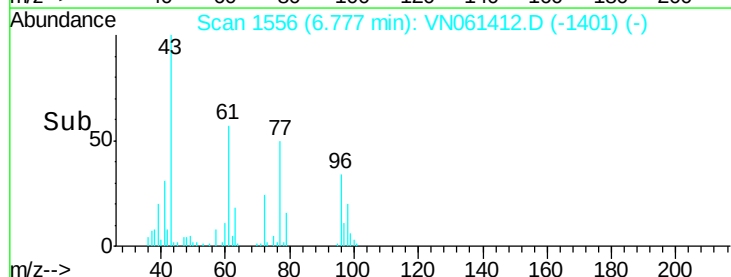
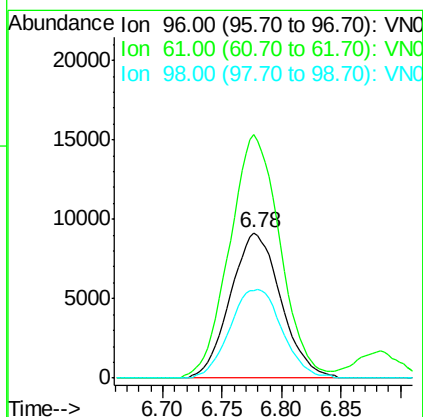
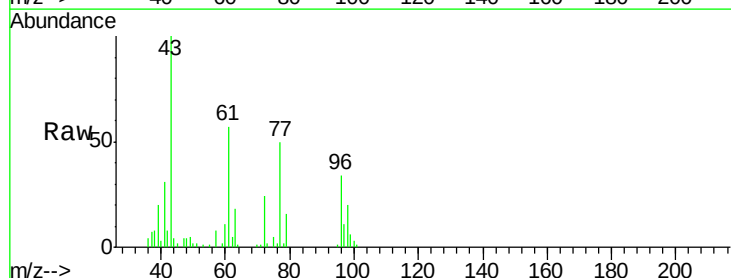
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

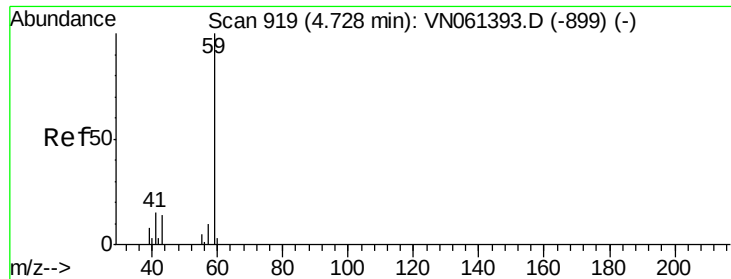
Tgt Ion: 63 Resp: 47251
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.6 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.21 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 96 Resp: 26912
 Ion Ratio Lower Upper
 96 100
 61 167.5 127.2 190.8
 98 63.1 50.5 75.7

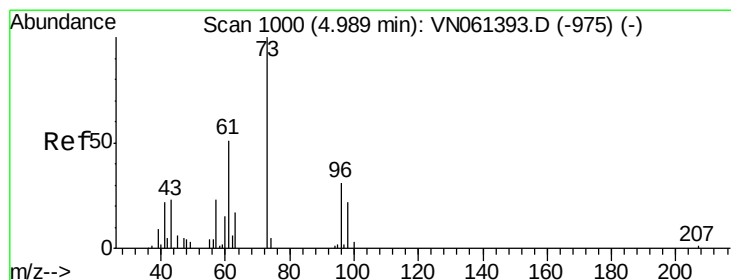
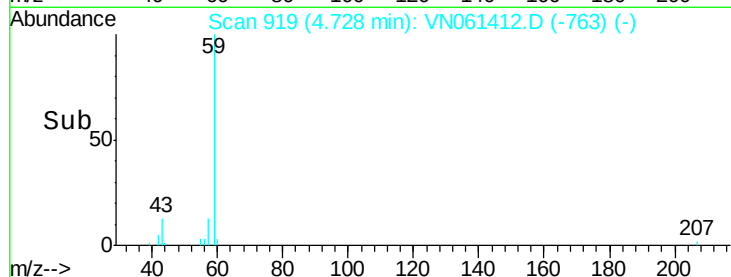
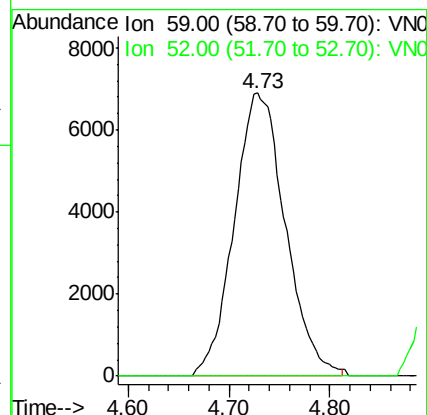
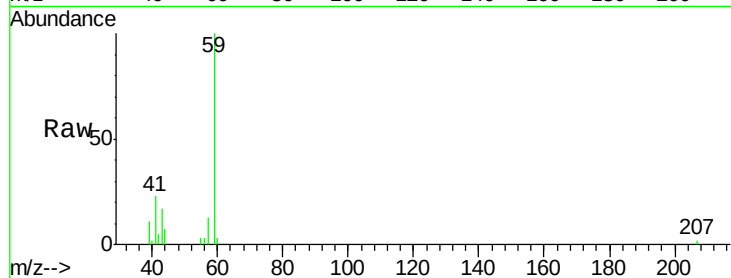




#23
 tert-Butyl Alcohol
 Concen: 139.53 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

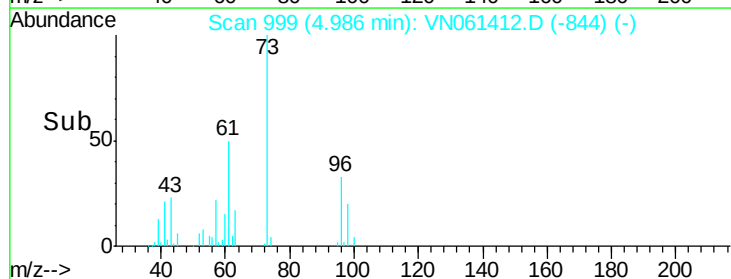
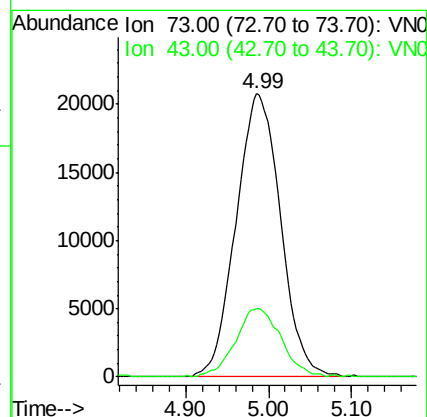
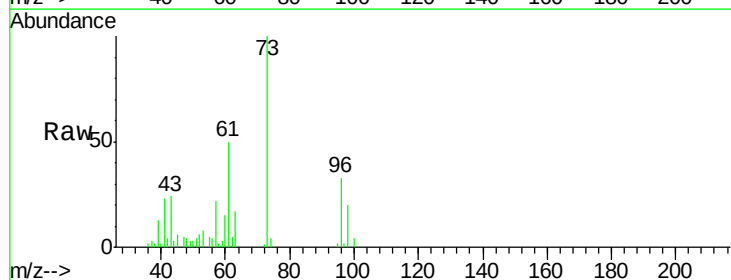
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

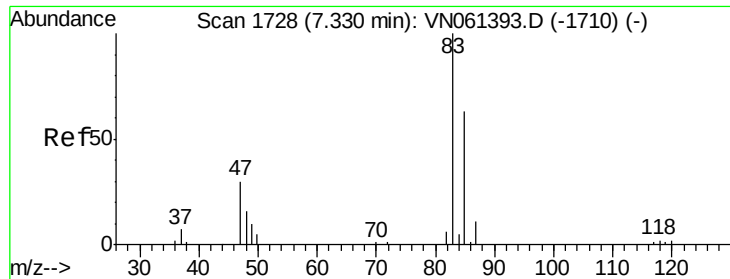
Tgt Ion: 59 Resp: 24327
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 19.97 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 73 Resp: 77328
 Ion Ratio Lower Upper
 73 100
 43 24.6 17.9 26.9

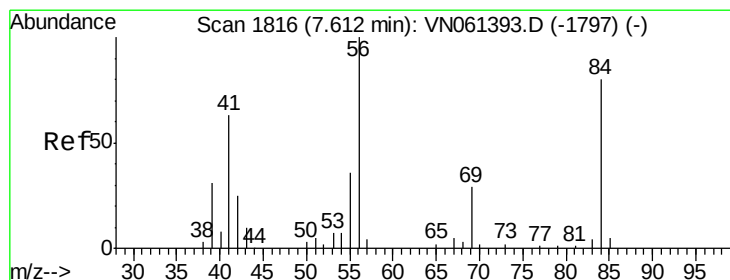
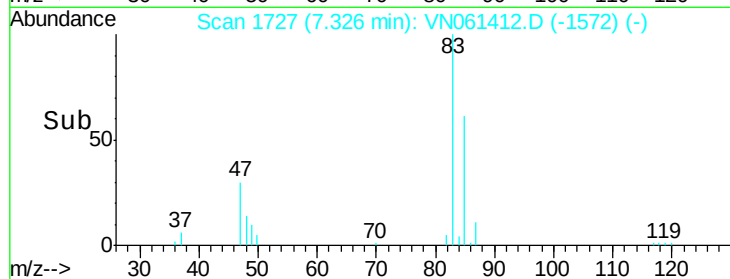
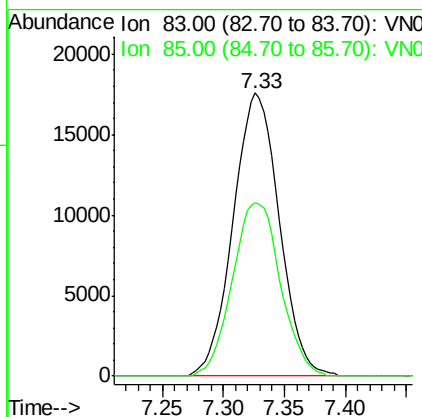
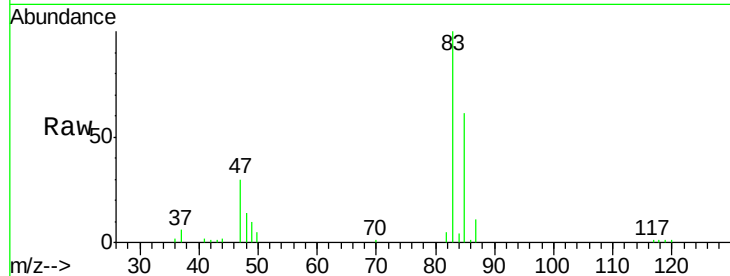




#25
Chloroform
Concen: 20.33 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

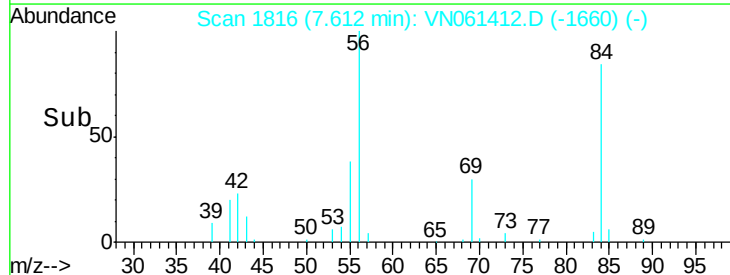
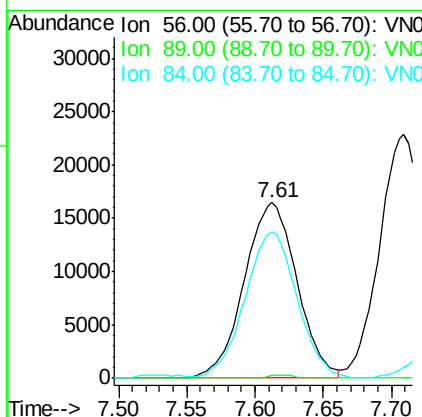
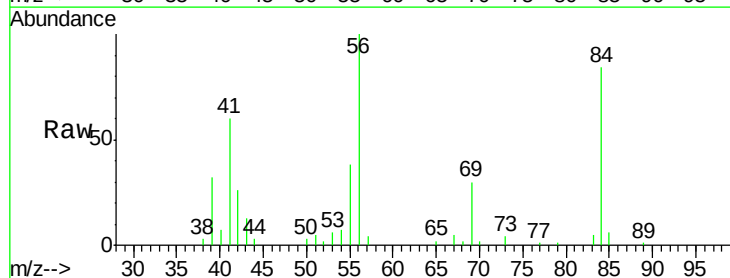
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBS01

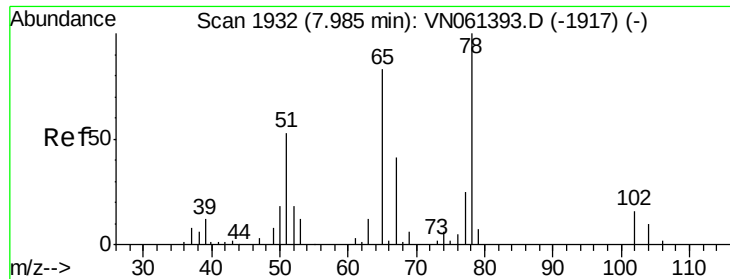
Tgt Ion: 83 Resp: 46017
Ion Ratio Lower Upper
83 100
85 61.0 53.8 80.8



#26
Cyclohexane
Concen: 19.79 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion: 56 Resp: 44115
Ion Ratio Lower Upper
56 100
89 0.7 6.2 9.2#
84 82.6 65.6 98.4

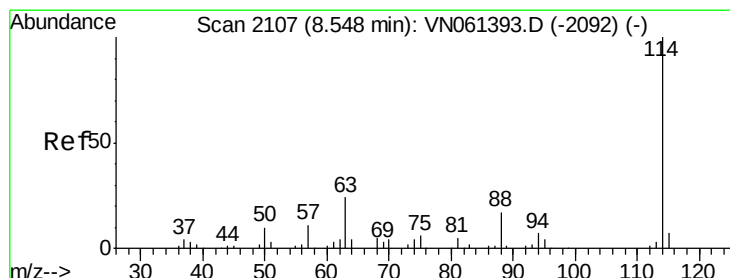
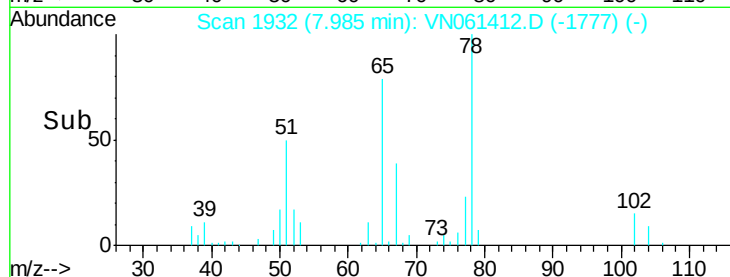
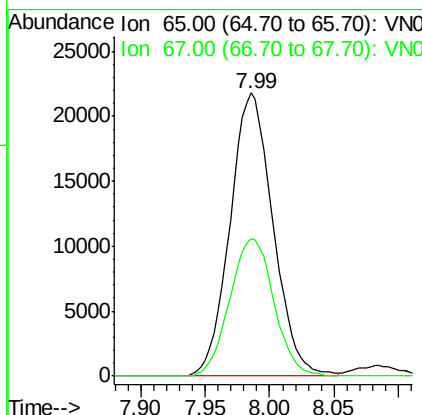
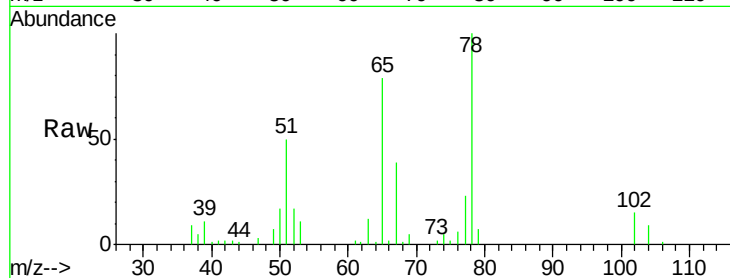




#27
 1,2-Dichloroethane-d4
 Concen: 31.79 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

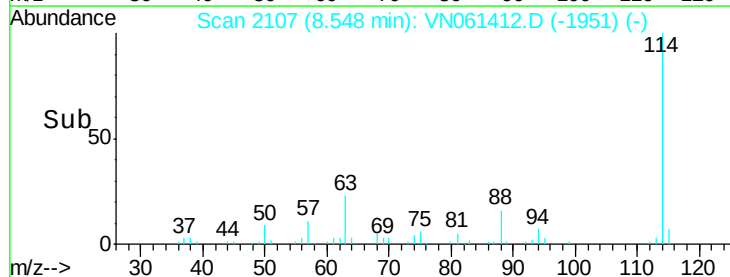
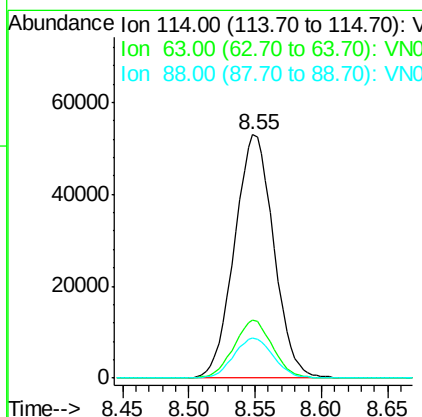
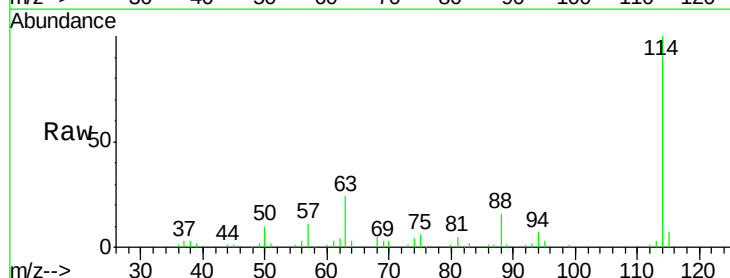
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

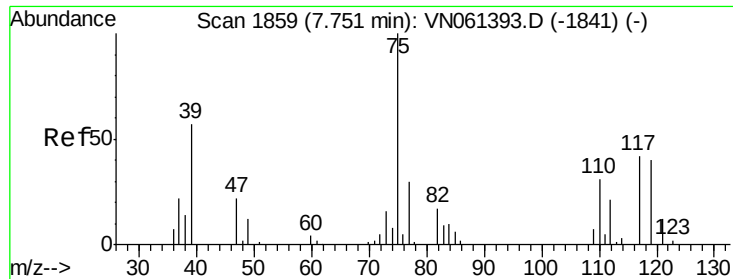
Tgt Ion: 65 Resp: 50573
 Ion Ratio Lower Upper
 65 100
 67 49.7 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 114 Resp: 108979
 Ion Ratio Lower Upper
 114 100
 63 23.4 18.1 27.1
 88 16.5 13.0 19.4

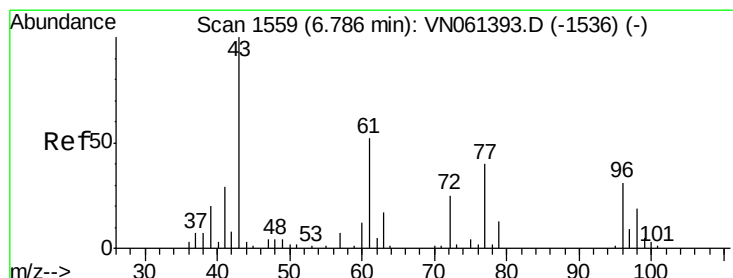
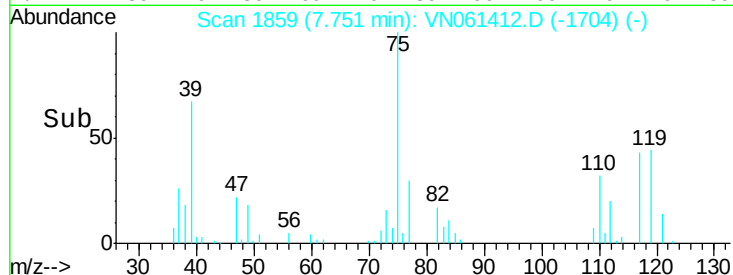
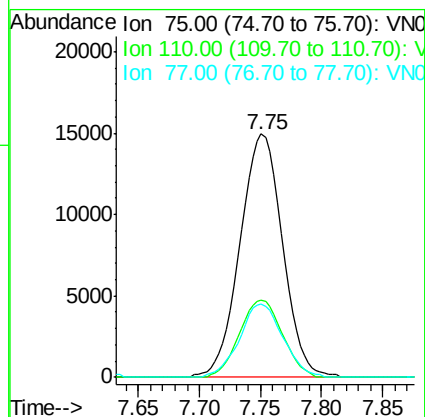
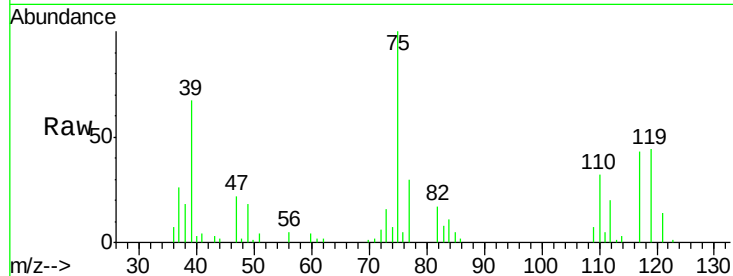




#29
 1,1-Dichloropropene
 Concen: 18.90 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

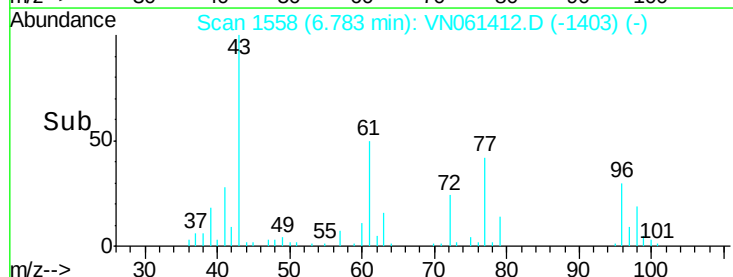
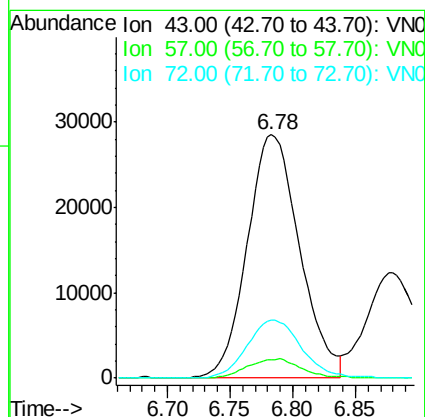
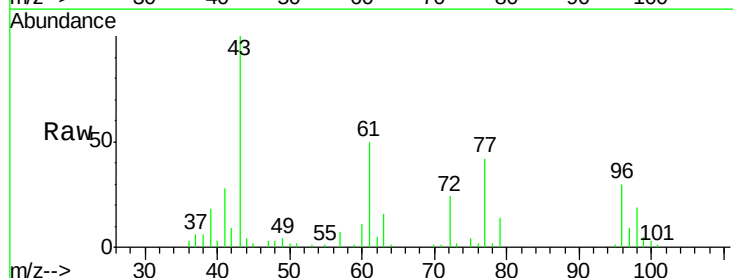
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

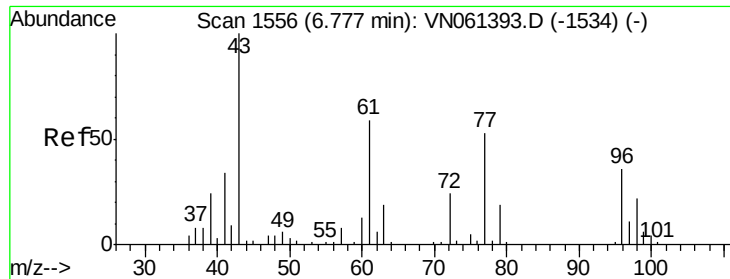
Tgt Ion: 75 Resp: 36145
 Ion Ratio Lower Upper
 75 100
 110 32.0 0.0 64.6
 77 30.8 0.0 60.8



#30
 2-Butanone
 Concen: 102.58 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 43 Resp: 82981
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.5 9.7
 72 24.8 20.1 30.1

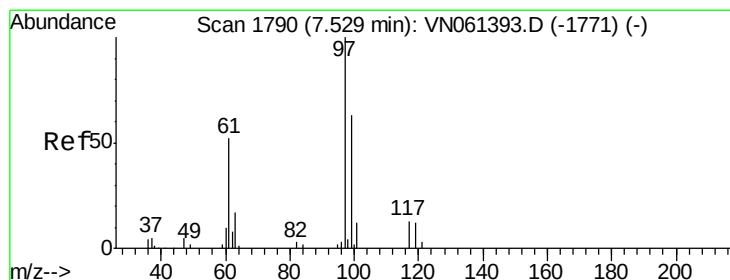
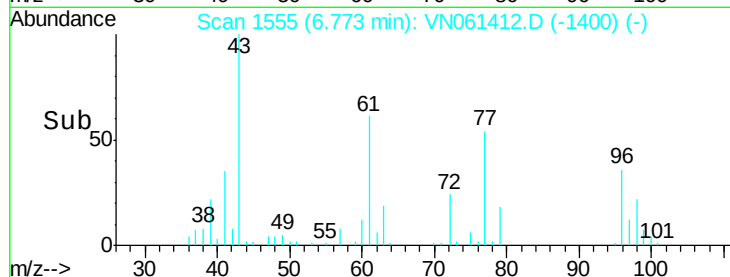
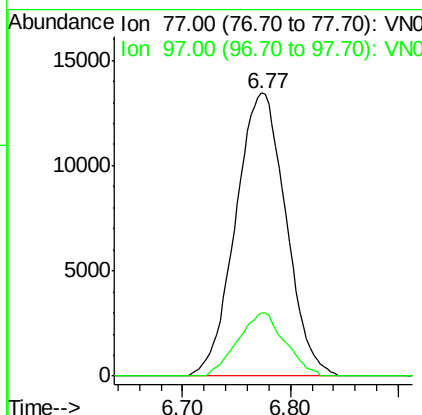
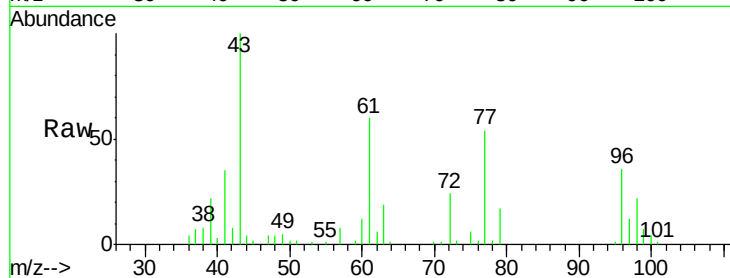




#31
 2,2-Dichloropropane
 Concen: 19.49 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

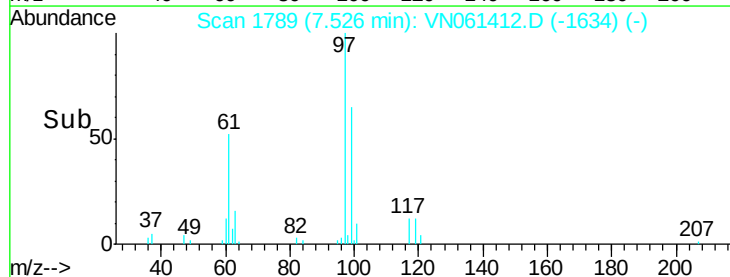
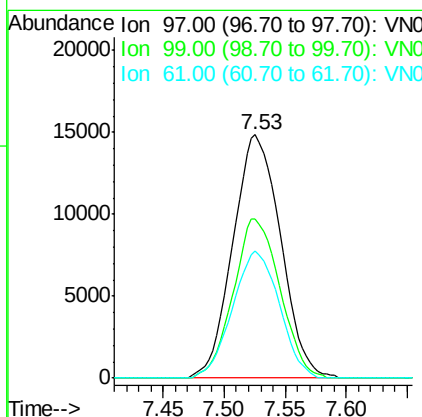
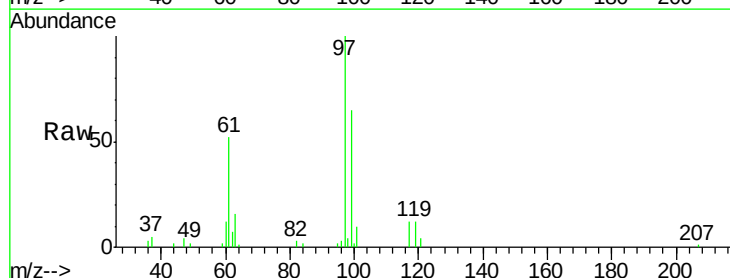
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

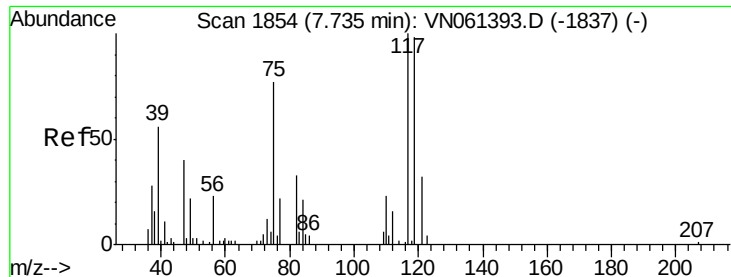
Tgt Ion: 77 Resp: 43550
 Ion Ratio Lower Upper
 77 100
 97 20.9 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 18.88 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 97 Resp: 40393
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.3 76.9
 61 51.0 38.4 57.6

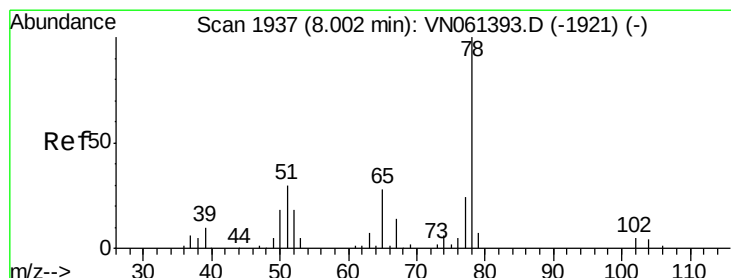
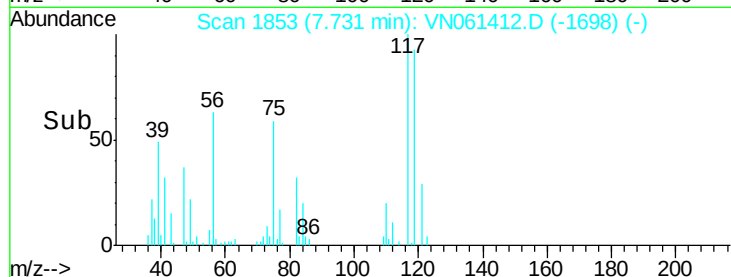
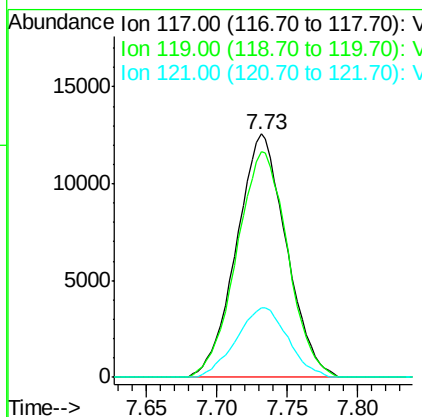
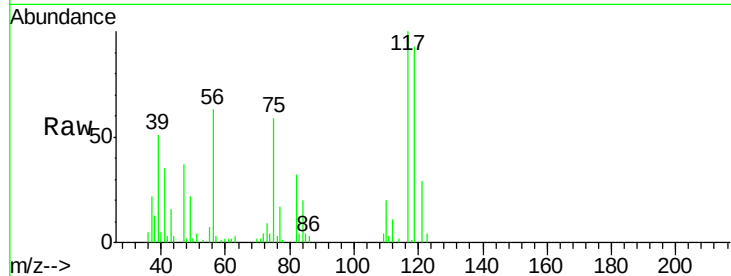




#33
Carbon Tetrachloride
Concen: 18.91 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

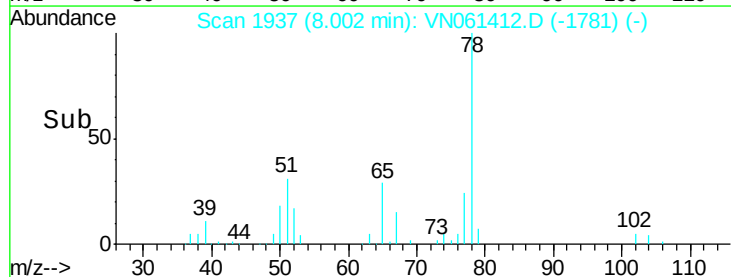
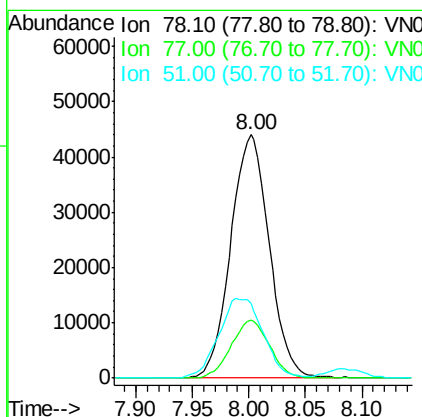
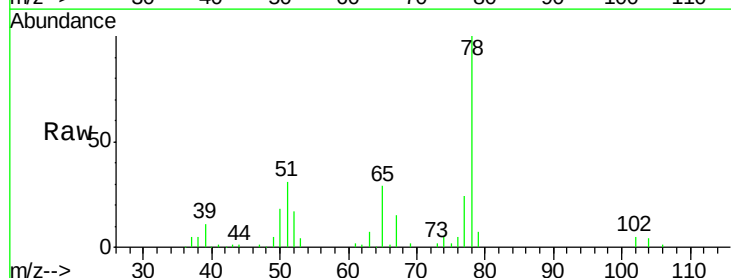
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBS01

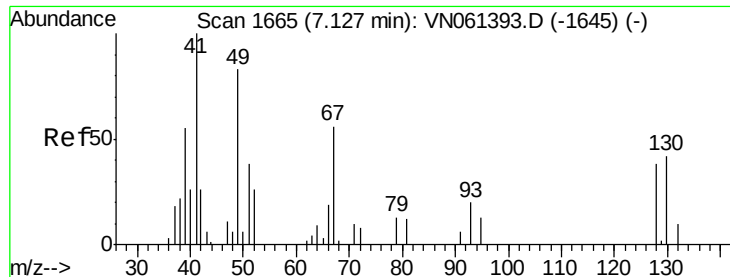
Tgt Ion:117 Resp: 31052
Ion Ratio Lower Upper
117 100
119 92.8 76.9 115.3
121 28.6 23.8 35.8



#34
Benzene
Concen: 19.26 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion: 78 Resp: 104225
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8
51 29.5 22.1 33.1

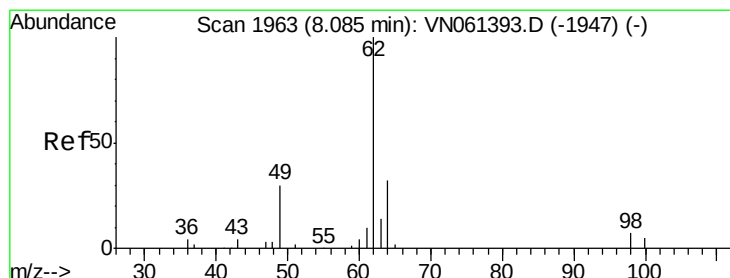
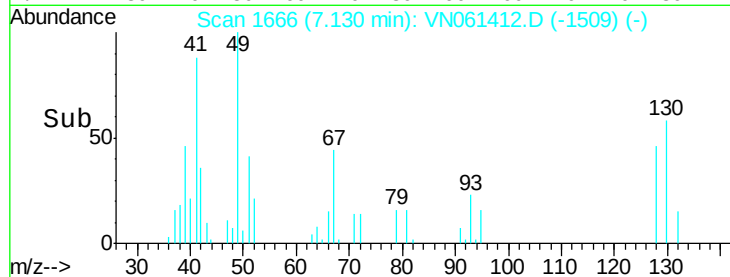
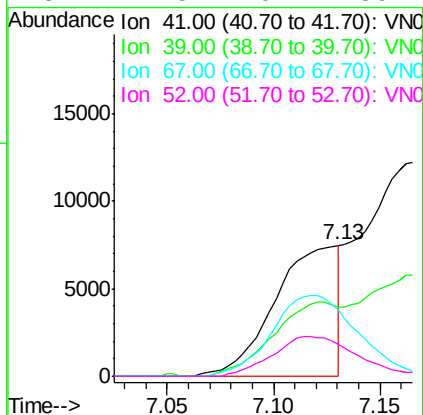
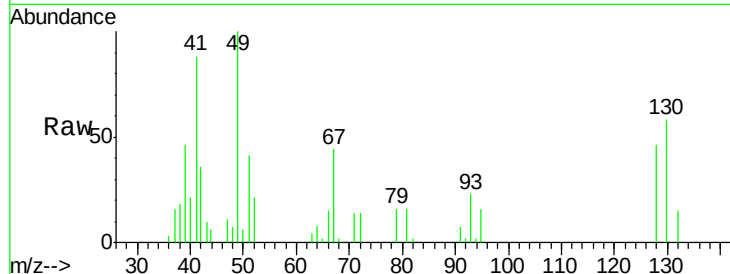




#35
Methacrylonitrile
Concen: 19.04 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

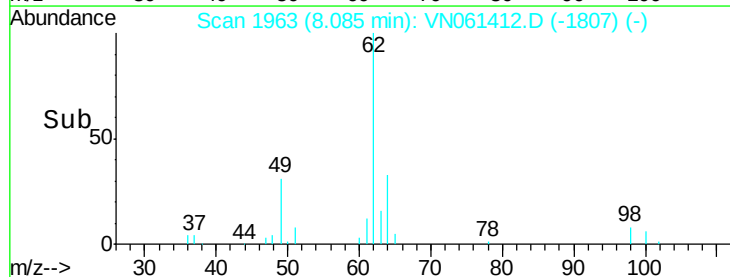
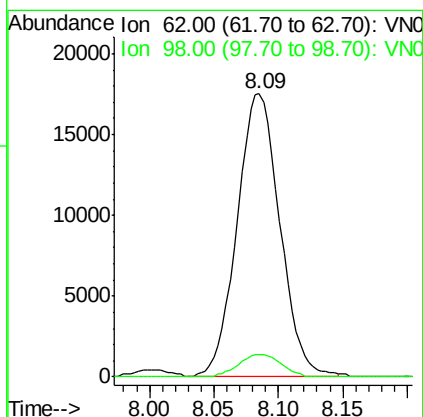
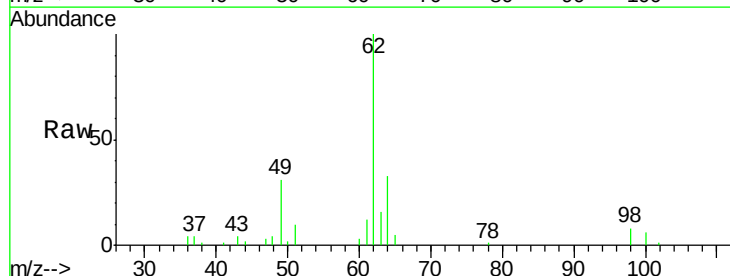
Instrument :
MSVOA_N
ClientSampled :
VN0515WBS01

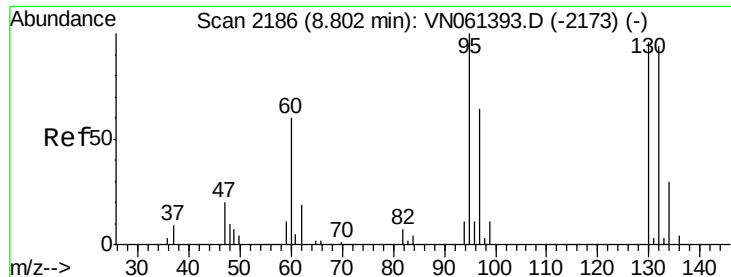
Tgt Ion:	41	Resp:	15445
Ion	Ratio	Lower	Upper
41	100		
39	53.0	25.8	77.4
67	50.3	23.0	69.0
52	24.5	10.1	30.1



#36
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion:	62	Resp:	40583
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.4	9.6





#37

Trichloroethene

Concen: 19.86 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

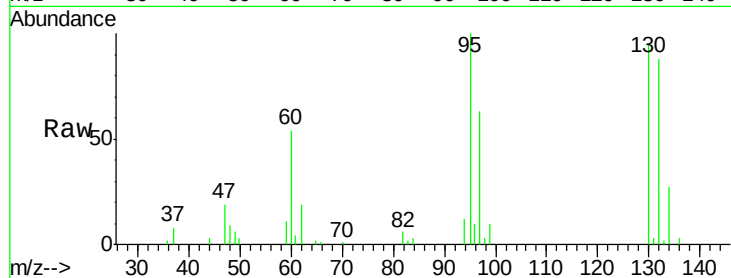
VN0515WBS01

Tgt Ion: 130 Resp: 26455

Ion Ratio Lower Upper

130 100

95 105.0 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

15000

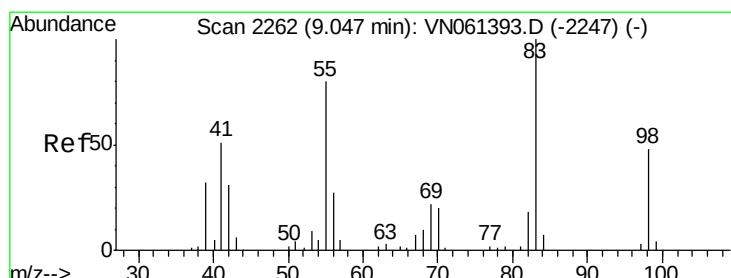
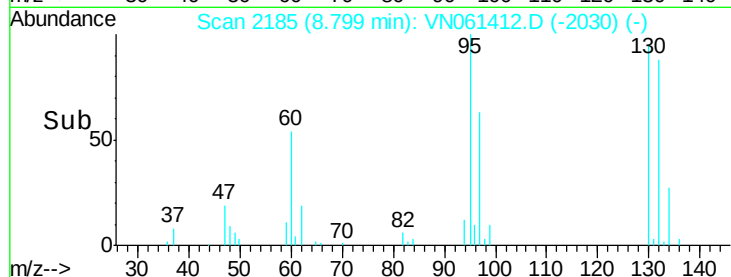
10000

5000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 19.44 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

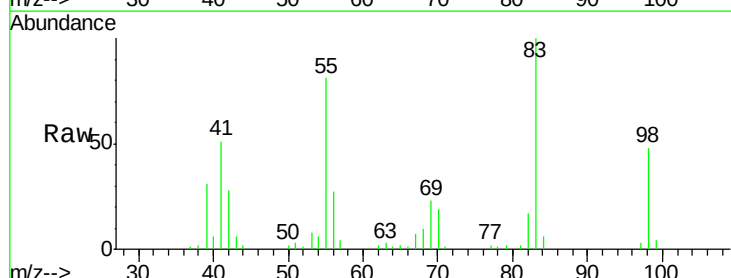
Tgt Ion: 83 Resp: 44633

Ion Ratio Lower Upper

83 100

55 81.4 40.4 121.1

98 46.9 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

25000

20000

15000

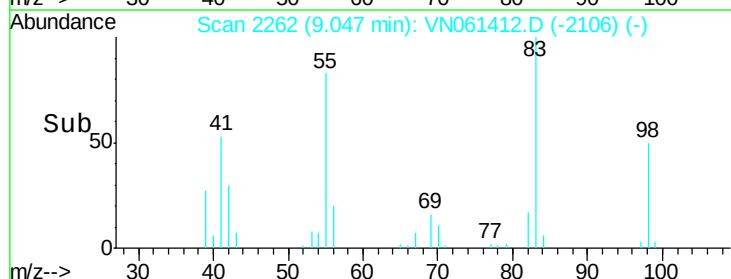
10000

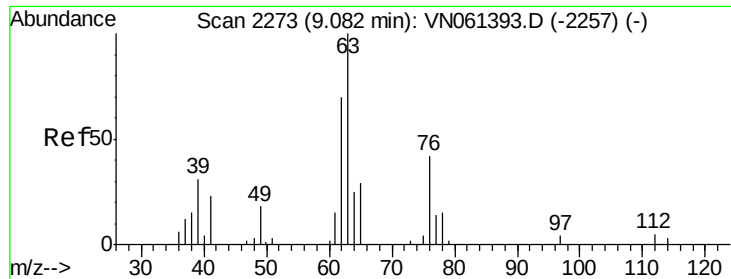
5000

0

8.95 9.00 9.05 9.10

Time-->

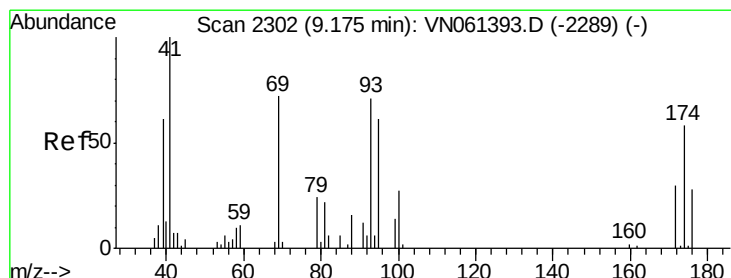
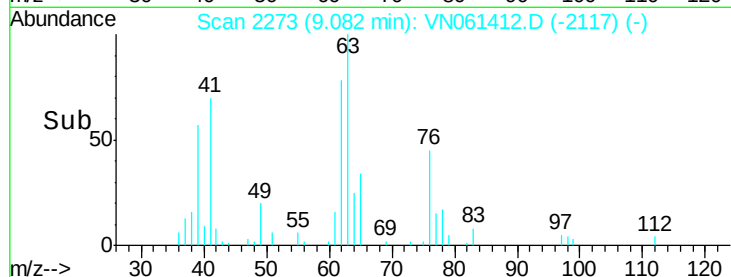
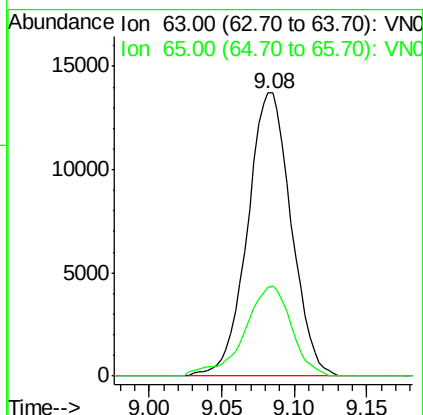
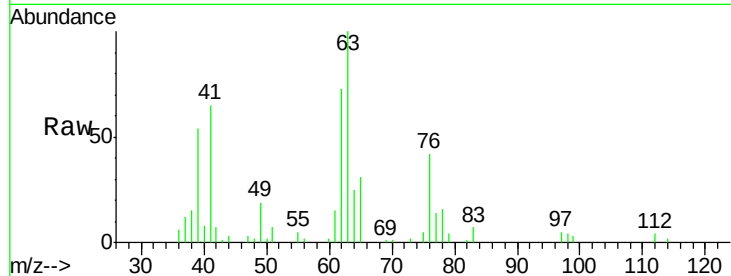




#39
 1,2-Dichloropropane
 Concen: 19.38 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

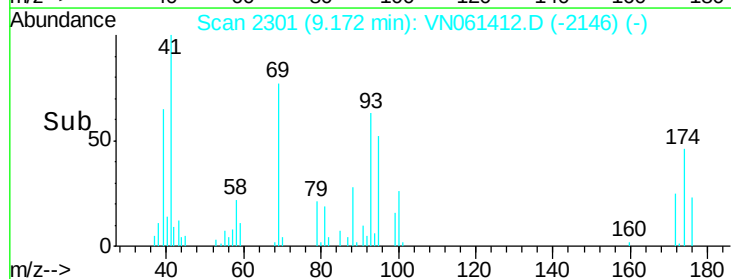
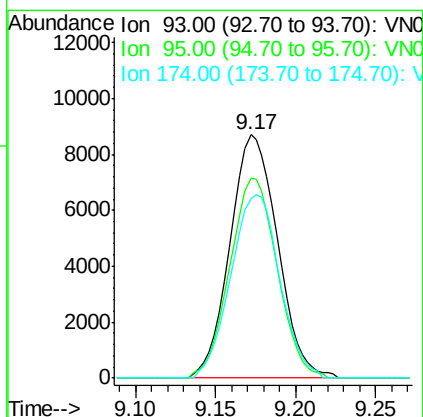
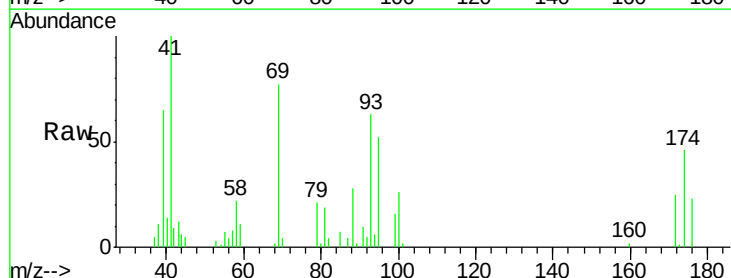
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

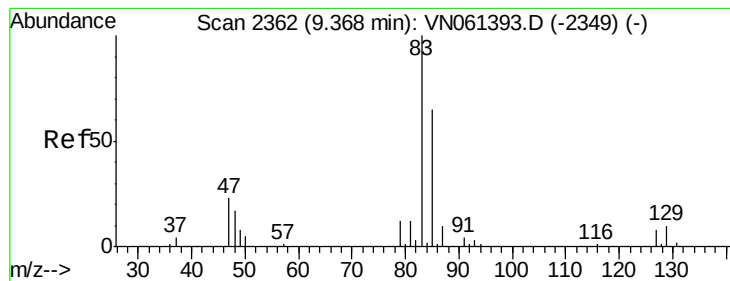
Tgt Ion: 63 Resp: 28820
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.8 35.6



#40
 Dibromomethane
 Concen: 19.26 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 93 Resp: 17691
 Ion Ratio Lower Upper
 93 100
 95 81.7 0.0 167.6
 174 77.4 0.0 187.2





#41

Bromodichloromethane

Concen: 18.87 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. 0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBS01

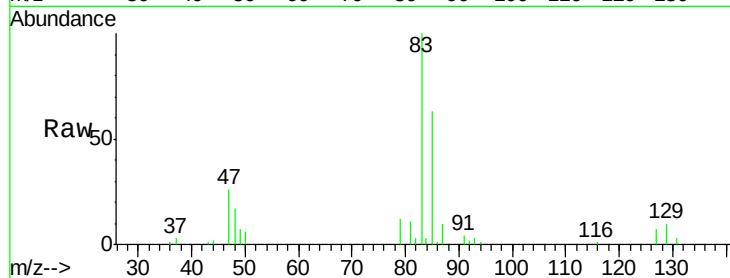
Tgt Ion: 83 Resp: 37599

Ion Ratio Lower Upper

83 100

85 63.1 51.0 76.4

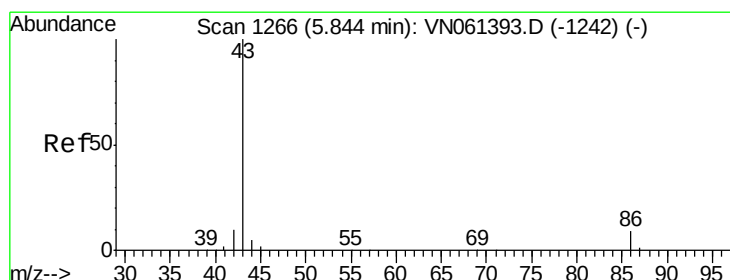
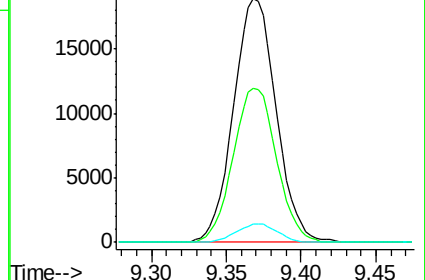
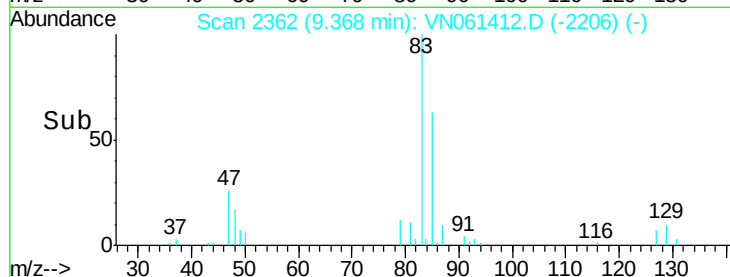
127 7.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN061412.D (-2206) (-)

Ion 85.00 (84.70 to 85.70): VN061412.D (-2206) (-)

Ion 127.00 (126.70 to 127.70): VN061412.D (-2206) (-)



#42

Vinyl Acetate

Concen: 94.32 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061412.D

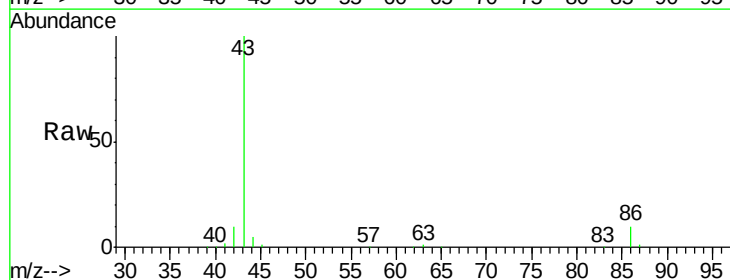
Acq: 15 May 2020 15:34

Tgt Ion: 43 Resp: 362330

Ion Ratio Lower Upper

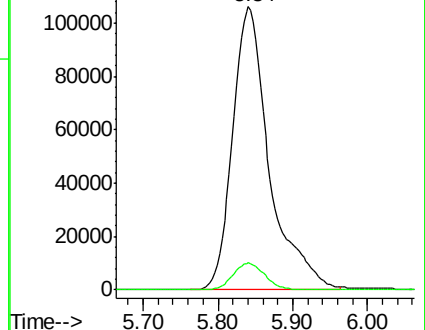
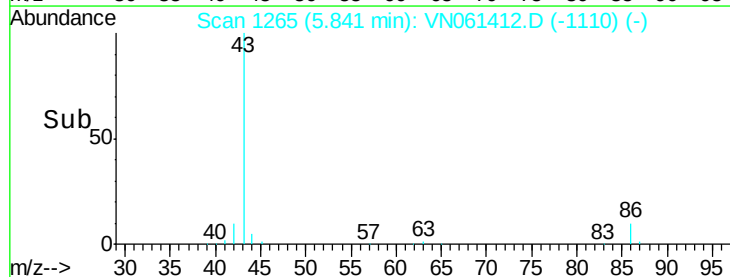
43 100

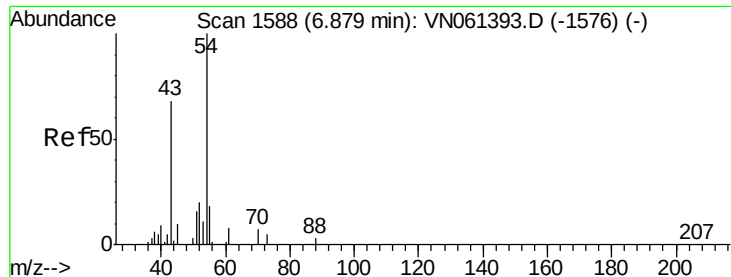
86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN061412.D (-1110) (-)

Ion 86.00 (85.70 to 86.70): VN061412.D (-1110) (-)





#43

Ethyl Acetate

Concen: 20.33 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

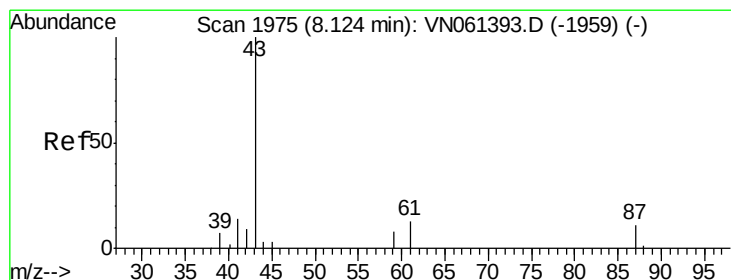
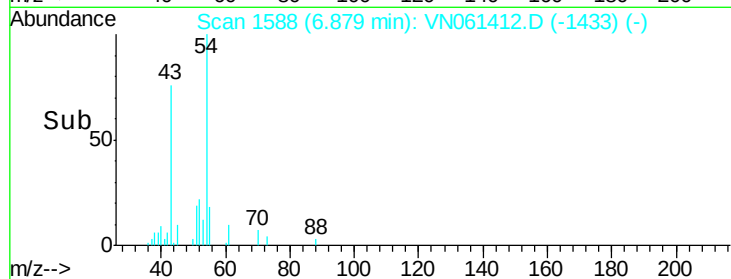
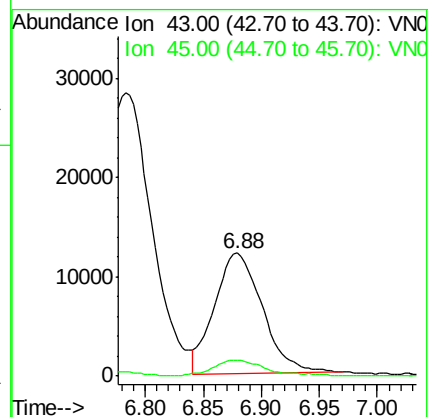
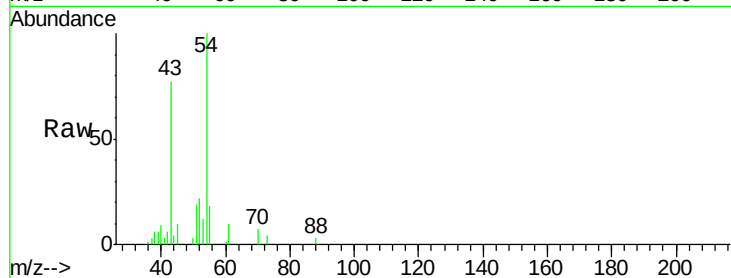
VN0515WBS01

Tgt Ion: 43 Resp: 35130

Ion Ratio Lower Upper

43 100

45 9.9 9.7 14.5



#44

Isopropyl Acetate

Concen: 19.64 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061412.D

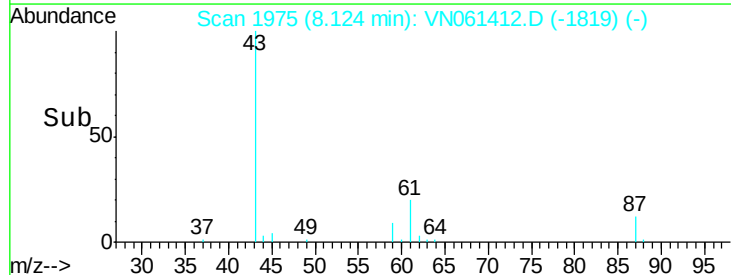
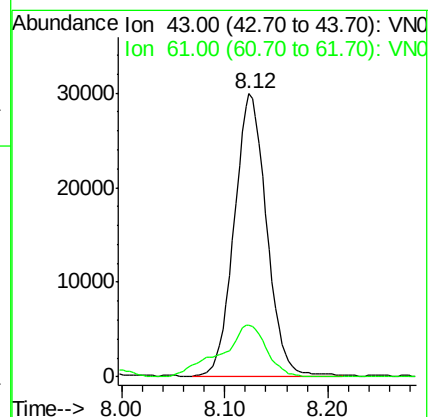
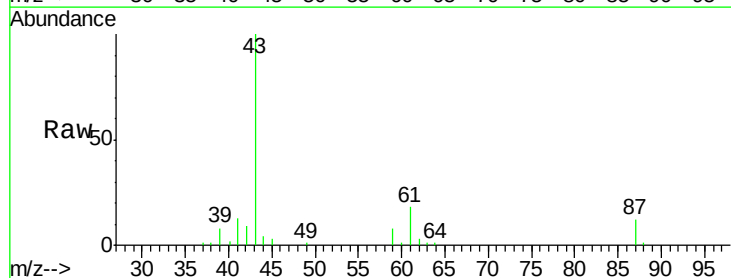
Acq: 15 May 2020 15:34

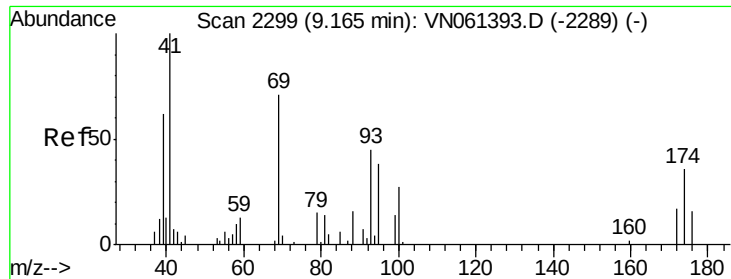
Tgt Ion: 43 Resp: 65891

Ion Ratio Lower Upper

43 100

61 18.1 19.9 29.9#

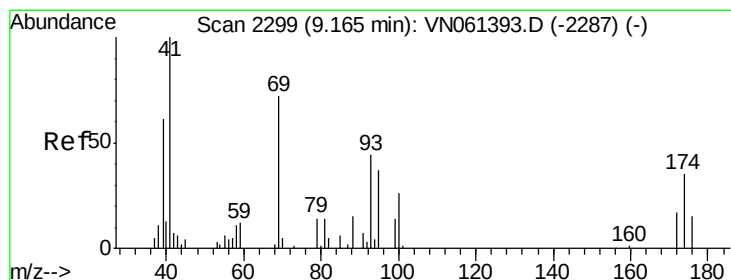
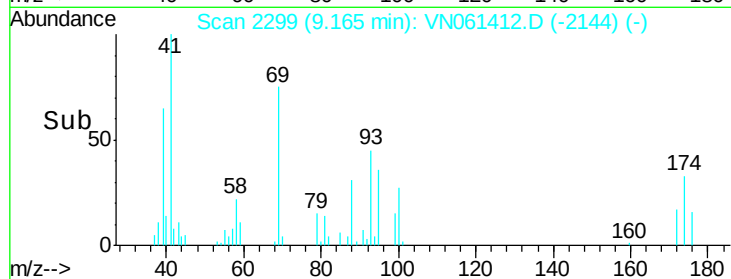
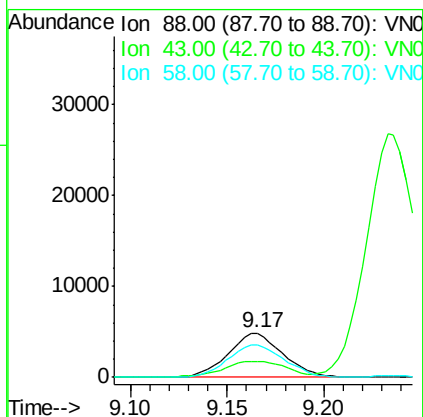
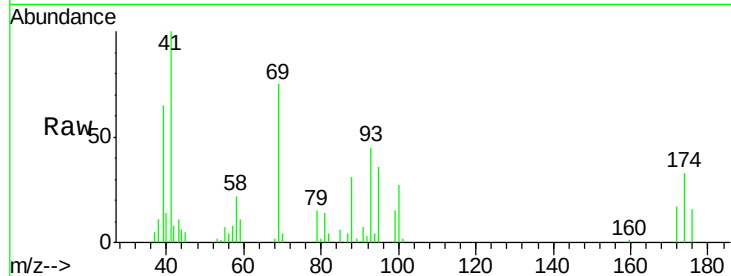




#45
 1,4-Dioxane
 Concen: 715.50 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

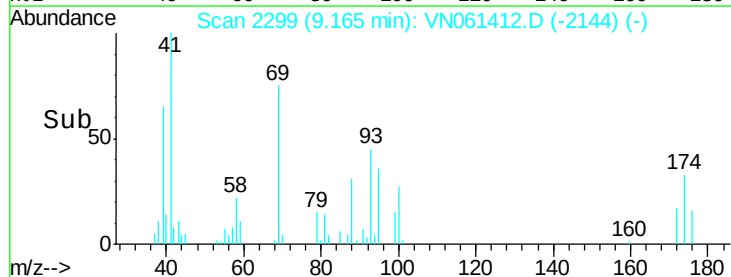
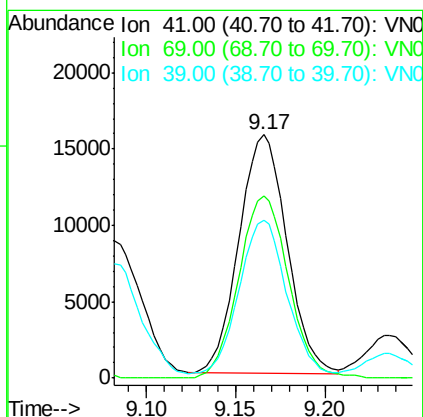
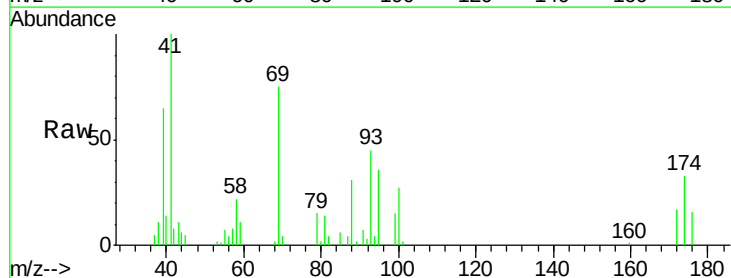
Instrument :
 MSVOA_N
 ClientSampled :
 VN0515WBS01

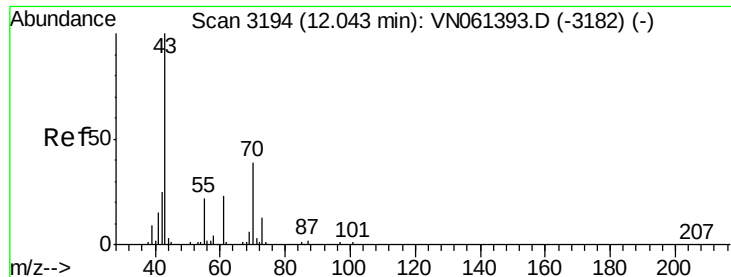
Tgt Ion: 88 Resp: 9473
 Ion Ratio Lower Upper
 88 100
 43 42.3 29.8 44.8
 58 75.7 58.2 87.4



#46
 Methyl methacrylate
 Concen: 18.59 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 41 Resp: 29337
 Ion Ratio Lower Upper
 41 100
 69 76.4 40.2 120.5
 39 64.6 29.9 89.8





#47

n-amyl Acetate

Concen: 18.40 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

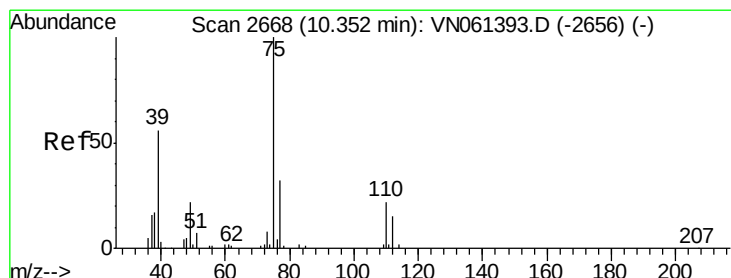
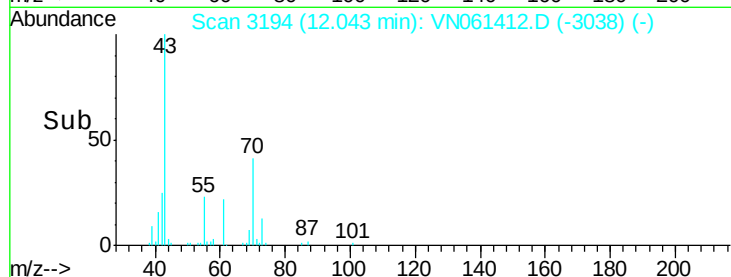
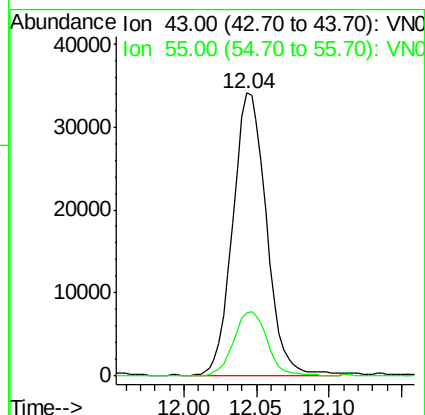
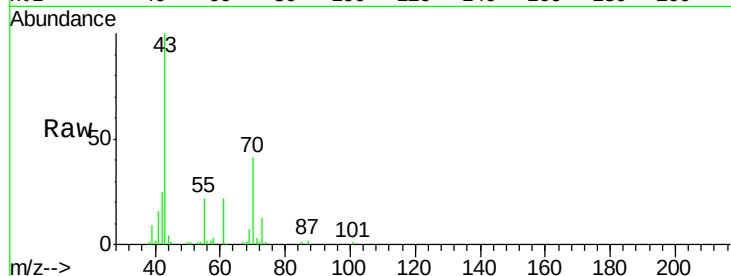
VN0515WBS01

Tgt Ion: 43 Resp: 55070

Ion Ratio Lower Upper

43 100

55 22.7 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 18.72 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061412.D

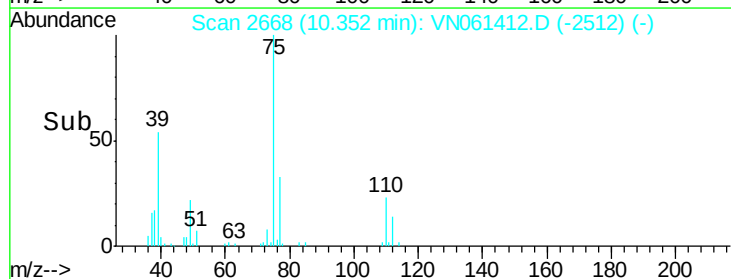
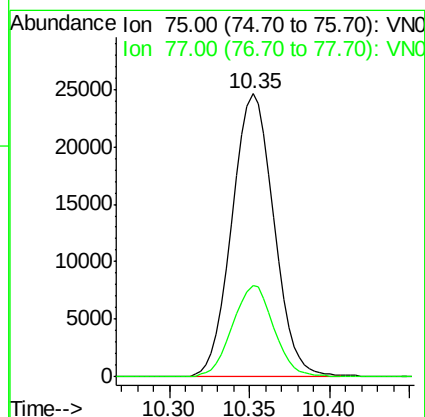
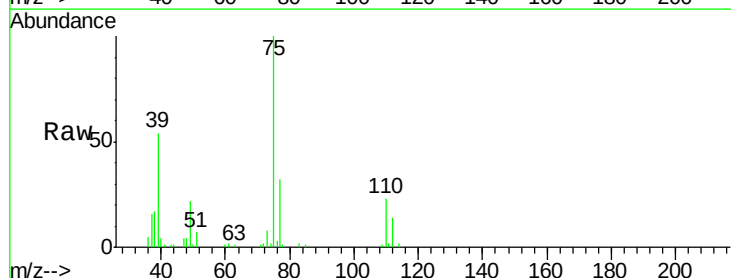
Acq: 15 May 2020 15:34

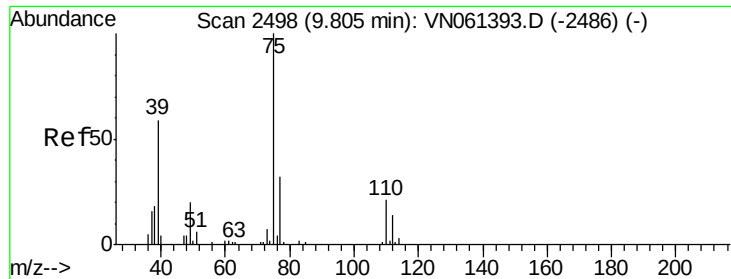
Tgt Ion: 75 Resp: 44034

Ion Ratio Lower Upper

75 100

77 32.4 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 18.48 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBS01

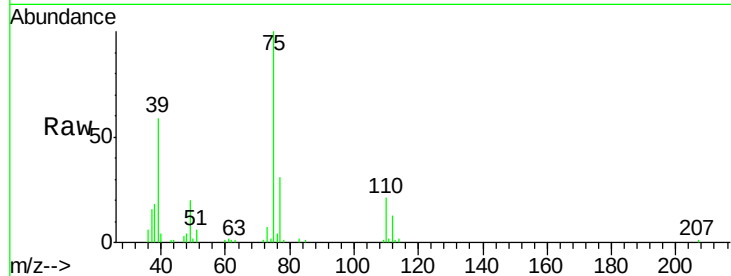
Tgt Ion: 75 Resp: 45981

Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

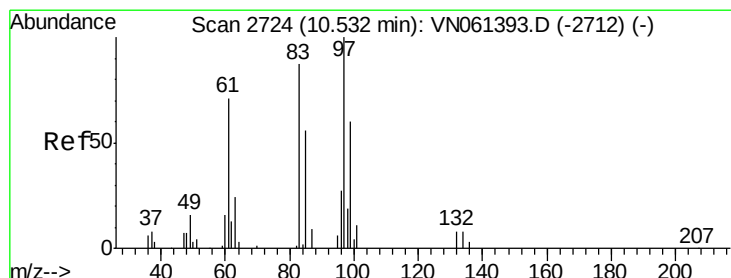
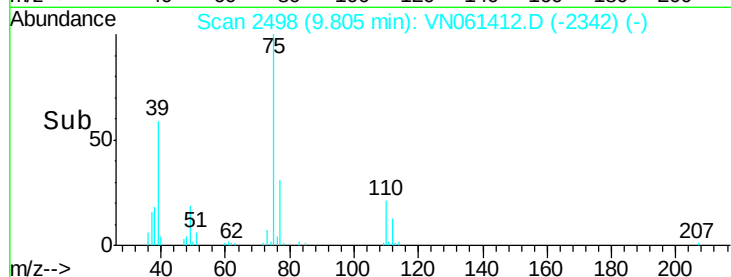
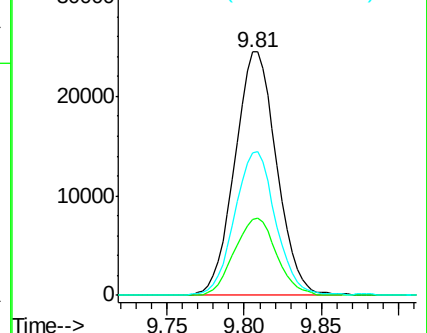
39 58.1 43.1 64.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 19.35 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Tgt Ion: 97 Resp: 24574

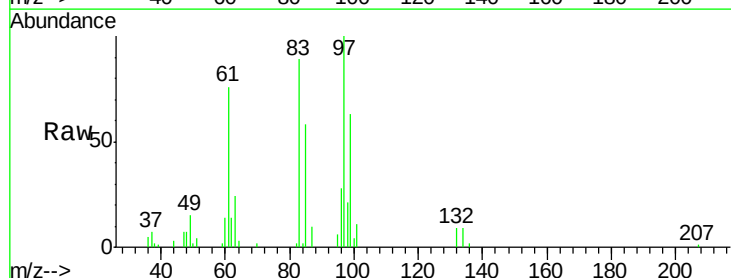
Ion Ratio Lower Upper

97 100

83 89.3 70.7 106.1

85 57.9 45.1 67.7

99 63.3 48.2 72.4

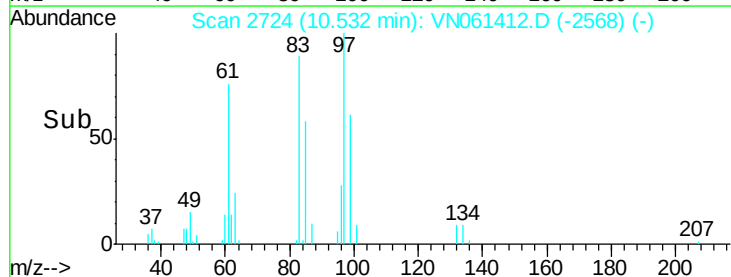
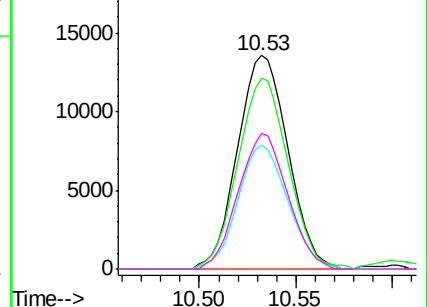


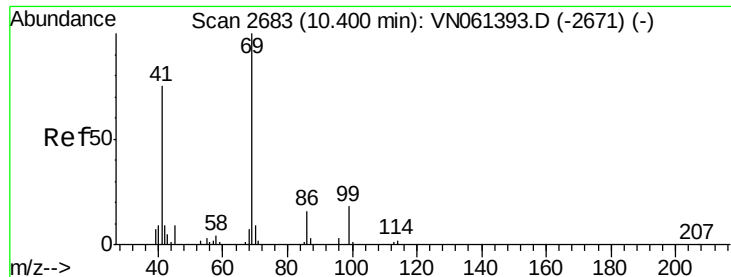
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 18.64 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBS01

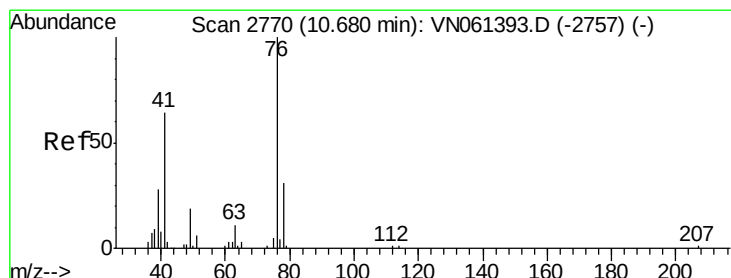
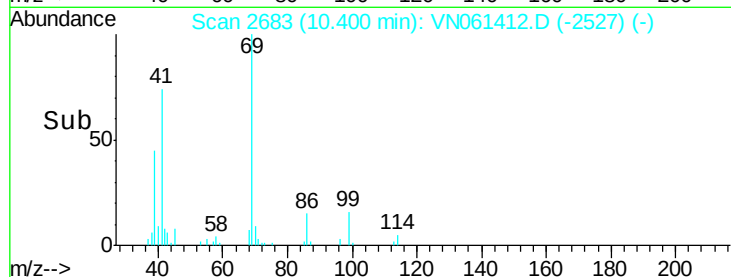
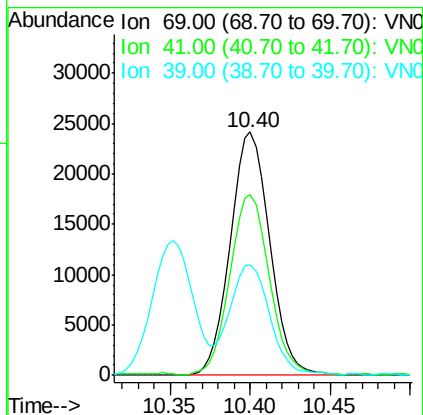
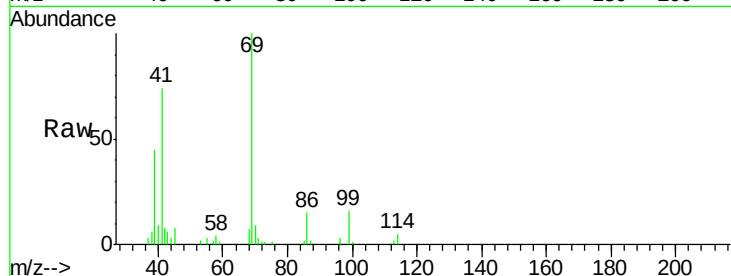
Tgt Ion: 69 Resp: 40786

Ion Ratio Lower Upper

69 100

41 74.5 34.7 104.1

39 45.2 20.3 60.8



#52

1,3-Dichloropropane

Concen: 19.32 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061412.D

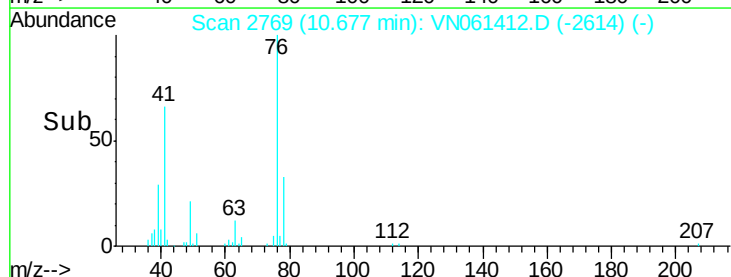
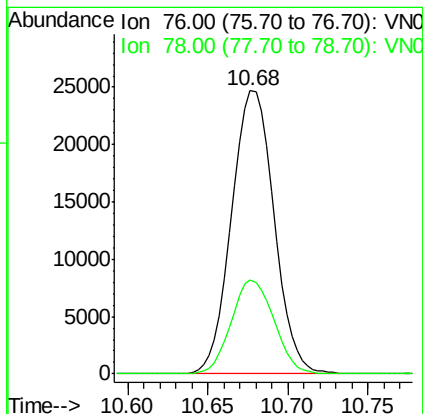
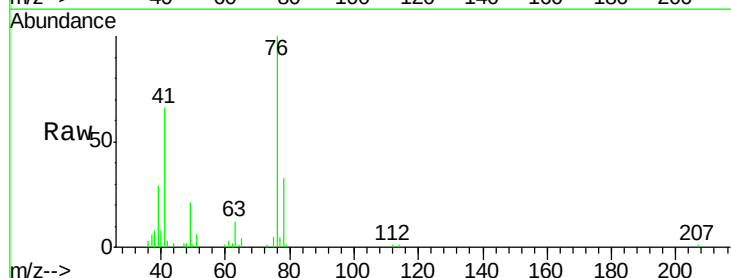
Acq: 15 May 2020 15:34

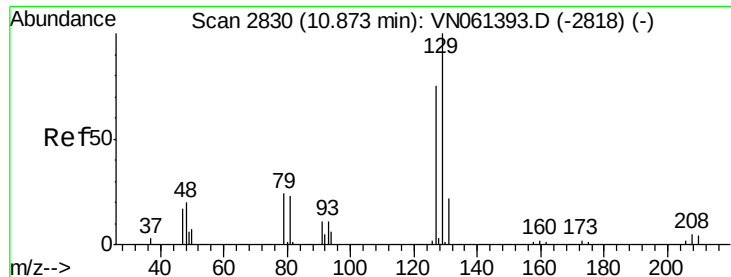
Tgt Ion: 76 Resp: 44802

Ion Ratio Lower Upper

76 100

78 33.3 0.0 63.2





#53

Dibromochloromethane

Concen: 18.50 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

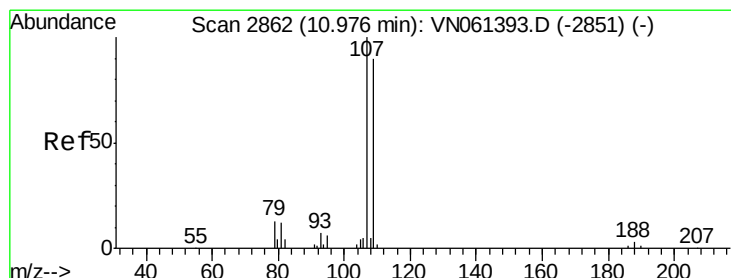
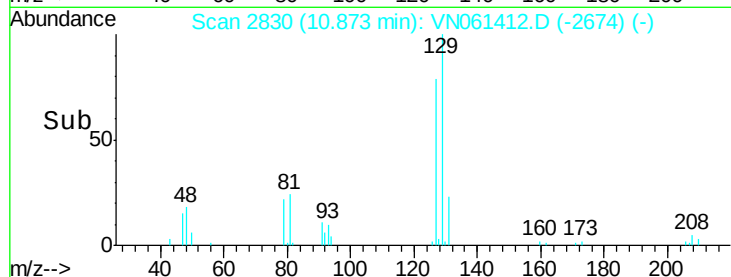
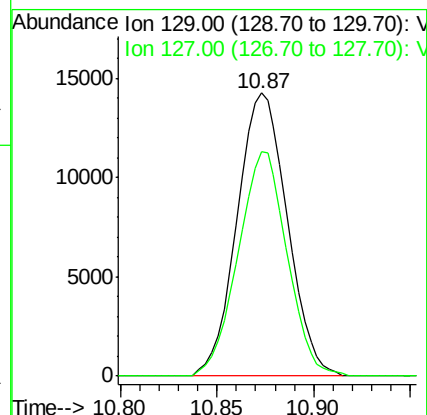
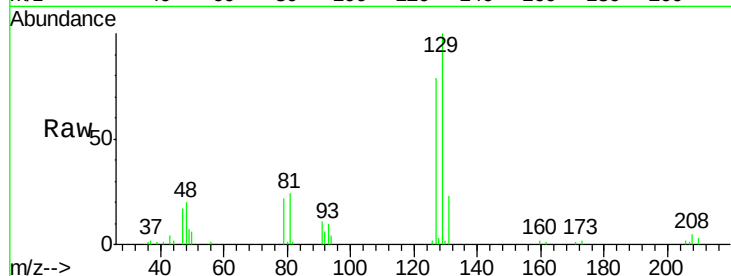
VN0515WBS01

Tgt Ion:129 Resp: 25742

Ion Ratio Lower Upper

129 100

127 77.4 39.1 117.5



#54

1,2-Dibromoethane

Concen: 18.68 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061412.D

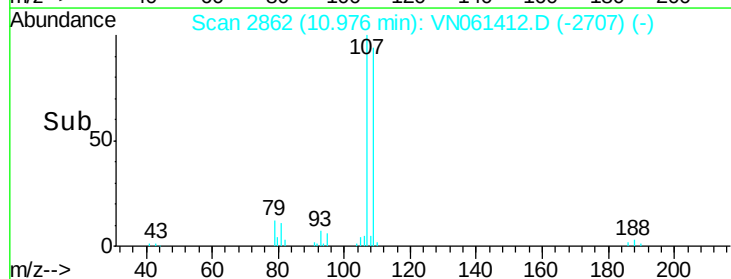
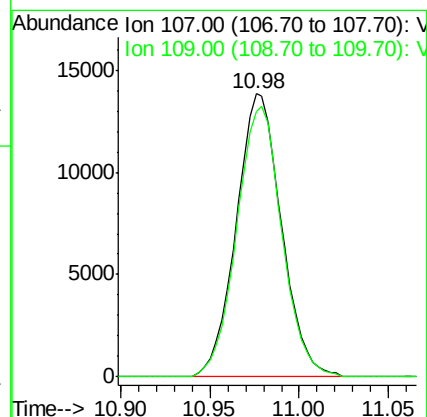
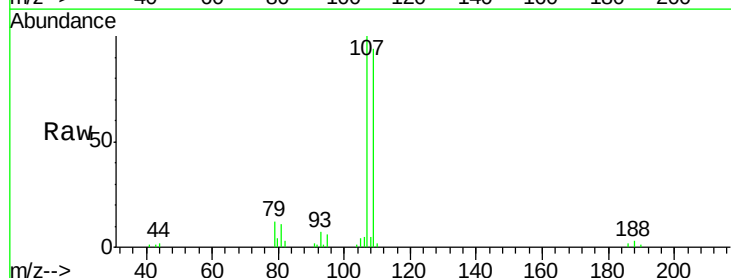
Acq: 15 May 2020 15:34

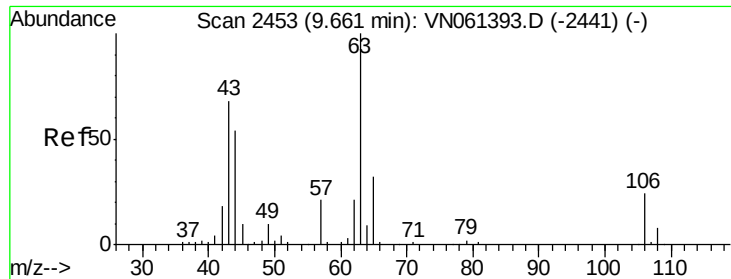
Tgt Ion:107 Resp: 24484

Ion Ratio Lower Upper

107 100

109 95.6 76.2 114.4

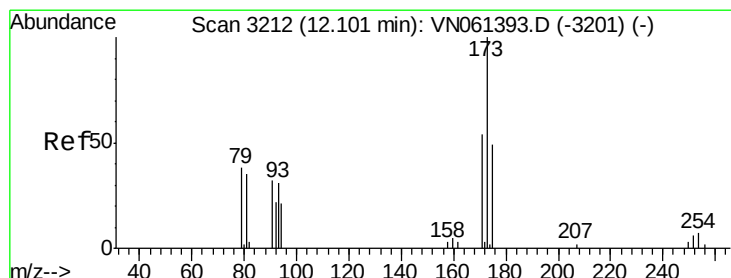
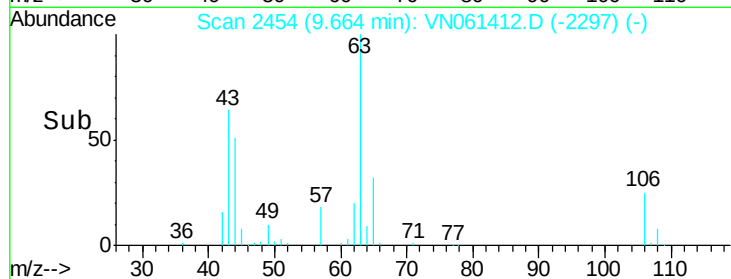
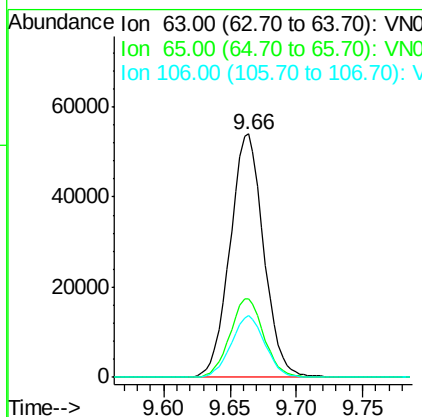
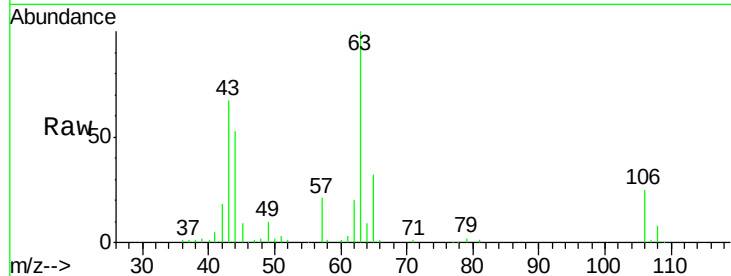




#55
 2-Chloroethyl vinyl ether
 Concen: 98.42 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

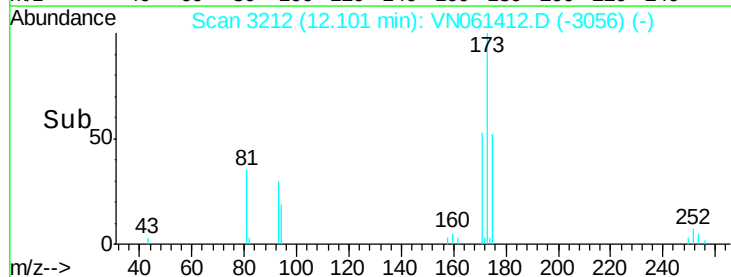
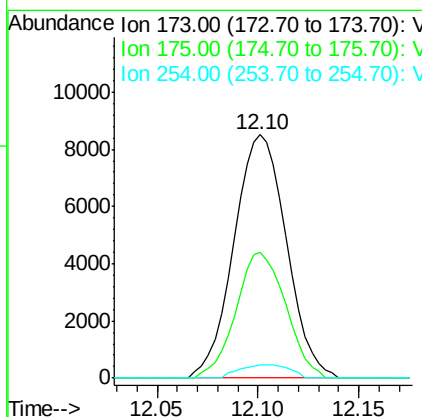
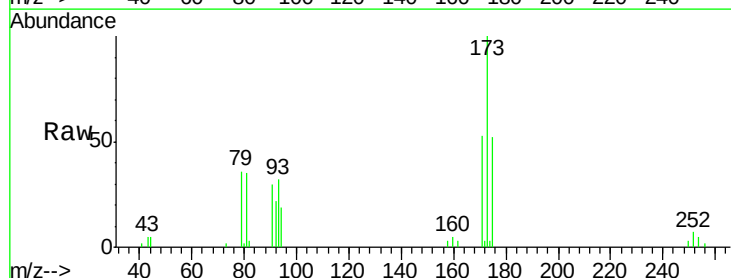
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

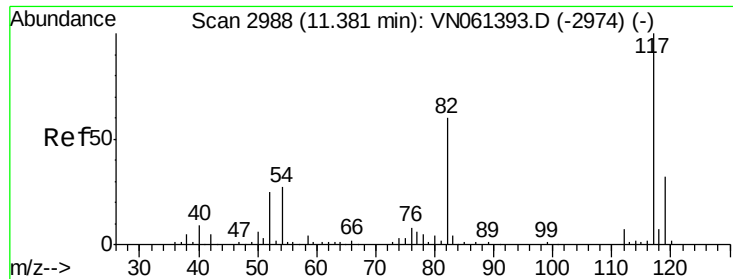
Tgt Ion: 63 Resp: 95324
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.3 37.9
 106 25.3 19.8 29.6



#56
 Bromoform
 Concen: 17.72 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 173 Resp: 15512
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.7 58.1
 254 5.2 7.4 11.2#

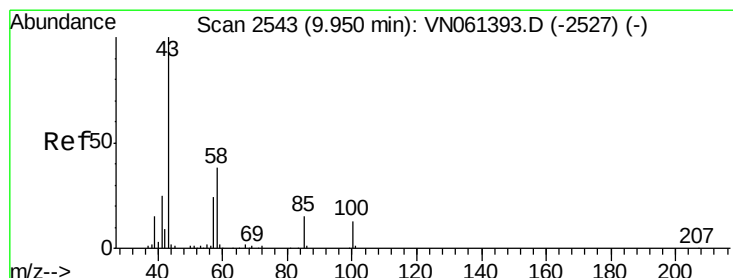
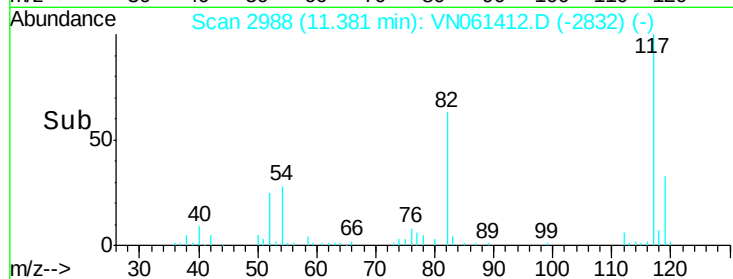
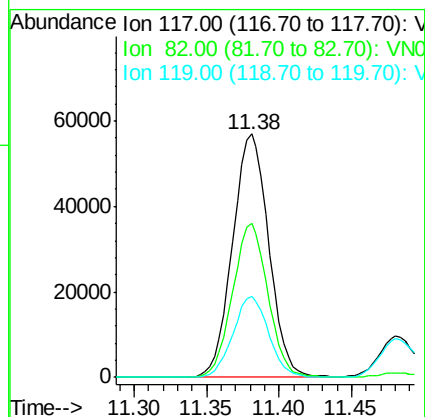
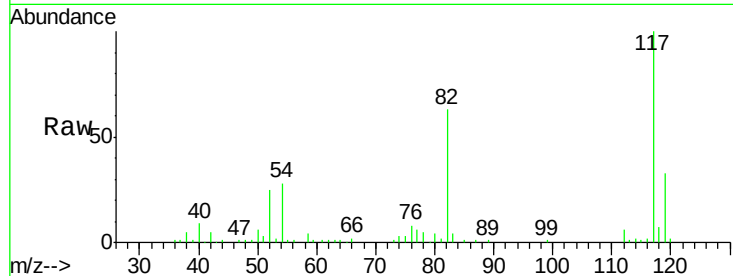




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

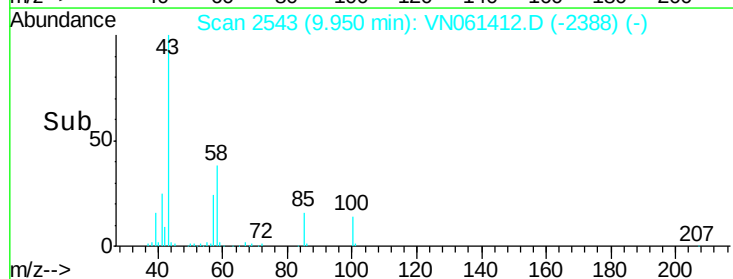
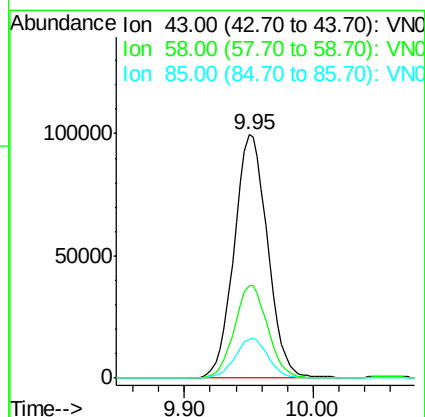
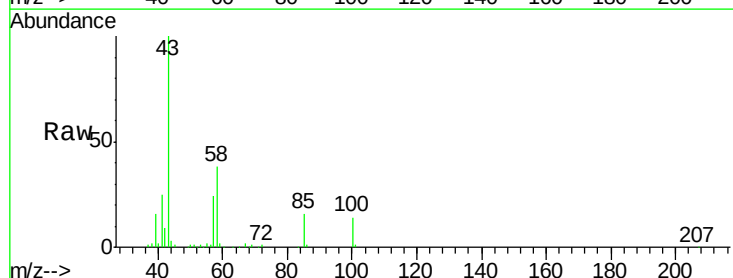
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBS01

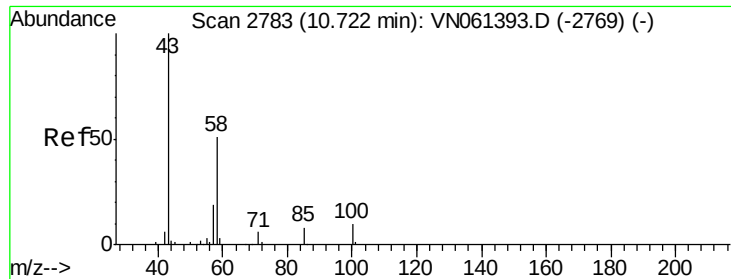
Tgt Ion: 117 Resp: 98922
Ion Ratio Lower Upper
117 100
82 61.8 46.9 70.3
119 32.6 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 99.76 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion: 43 Resp: 179830
Ion Ratio Lower Upper
43 100
58 37.9 30.1 45.1
85 15.9 13.2 19.8

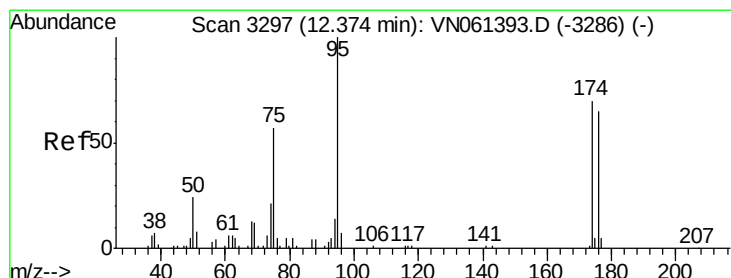
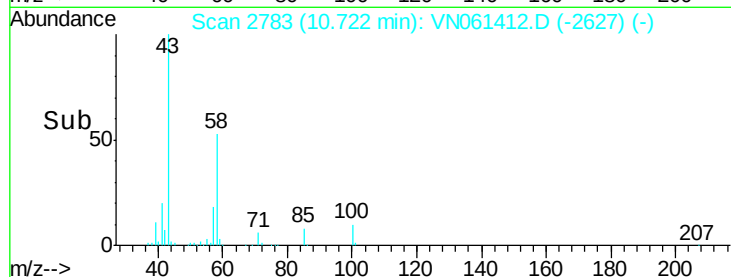
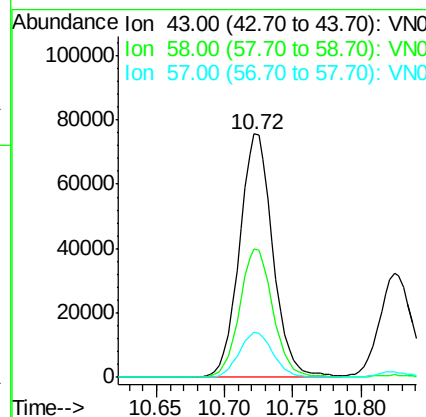
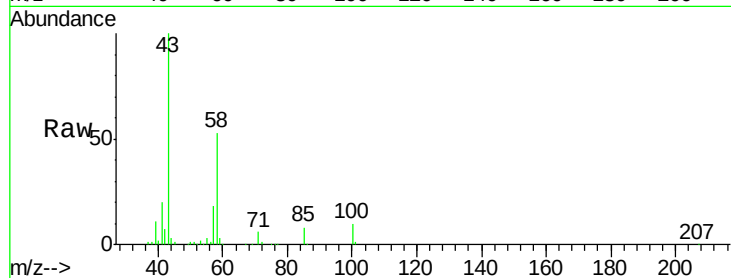




#59
2-Hexanone
Concen: 100.89 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

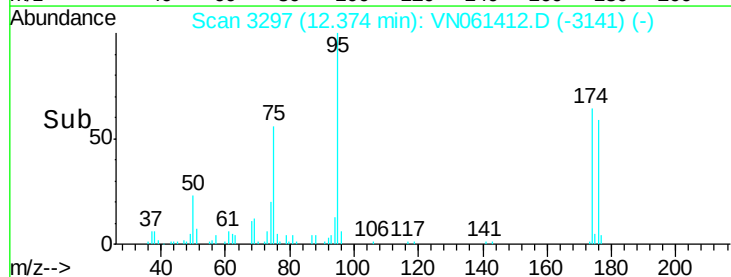
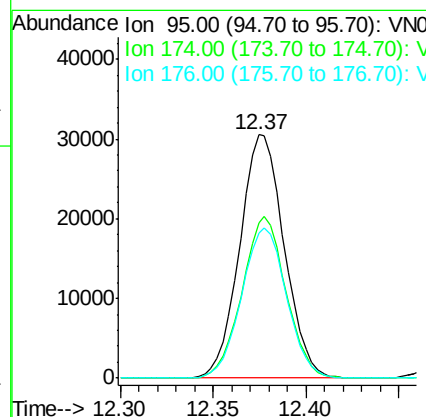
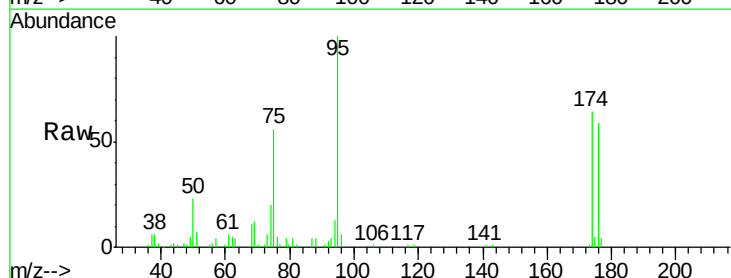
Instrument :
MSVOA_N
ClientSampled :
VN0515WBS01

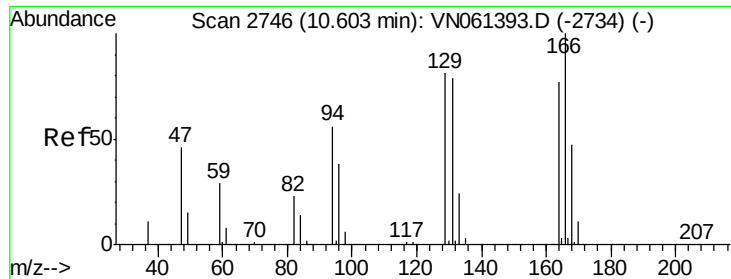
Tgt Ion: 43 Resp: 128642
Ion Ratio Lower Upper
43 100
58 52.8 41.4 62.0
57 18.6 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 30.14 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion: 95 Resp: 50897
Ion Ratio Lower Upper
95 100
174 65.3 59.9 89.9
176 62.0 58.3 87.5





#61

Tetrachloroethene

Concen: 20.11 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampled :

VN0515WBS01

Tgt Ion:164 Resp: 24882

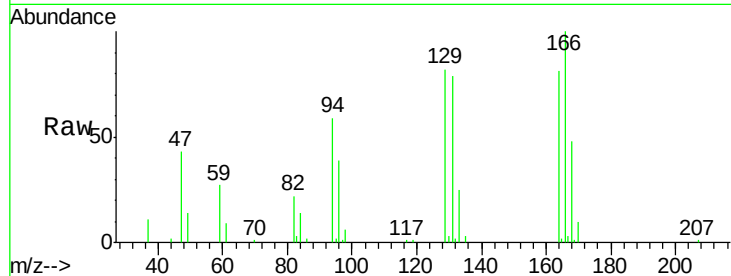
Ion Ratio Lower Upper

164 100

166 124.0 101.4 152.2

129 101.6 78.1 117.1

131 97.7 73.2 109.8

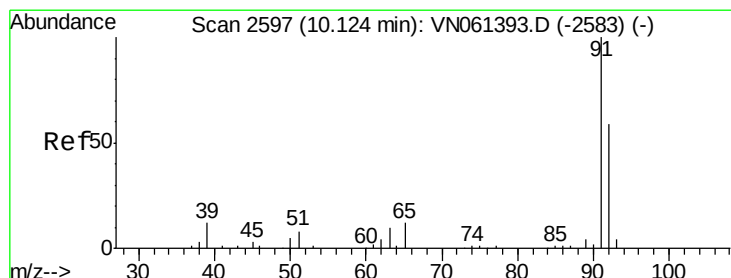
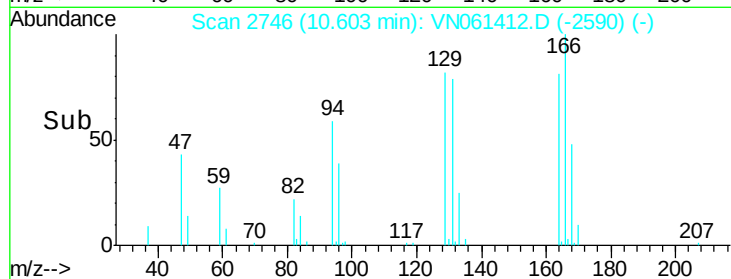
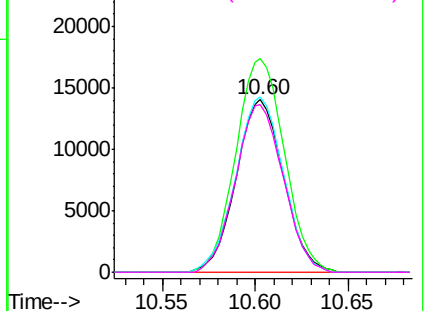


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.44 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061412.D

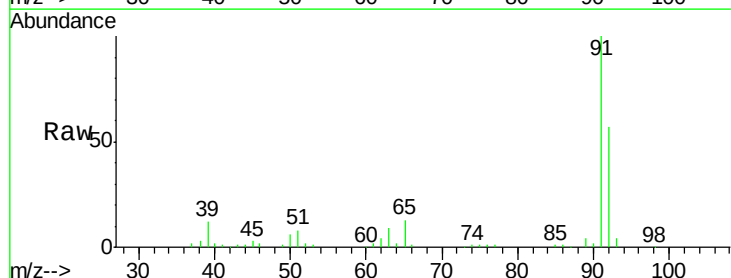
Acq: 15 May 2020 15:34

Tgt Ion: 91 Resp: 111530

Ion Ratio Lower Upper

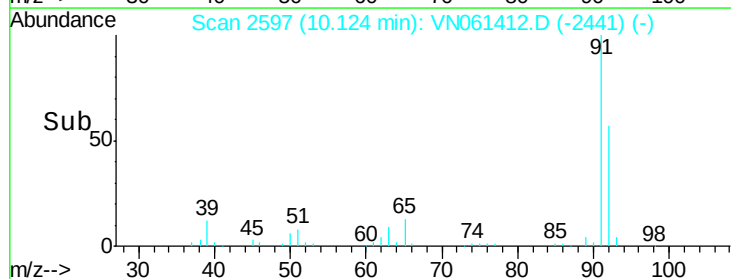
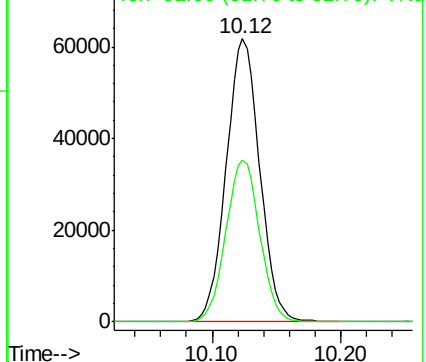
91 100

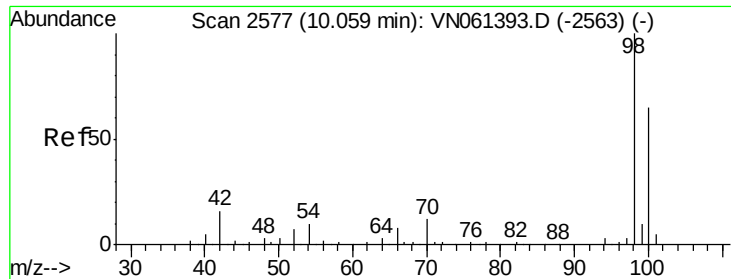
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.33 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

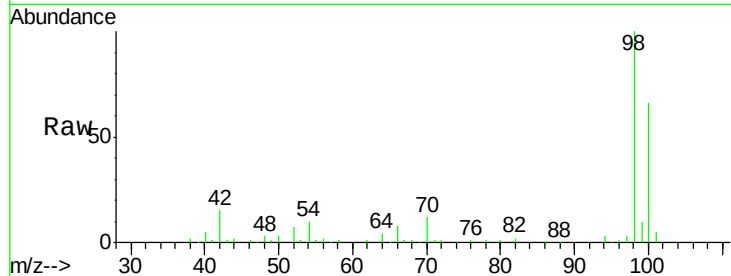
VN0515WBS01

Tgt Ion: 98 Resp: 138933

Ion Ratio Lower Upper

98 100

100 65.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061393.D (-2563) (-)

10.06

80000

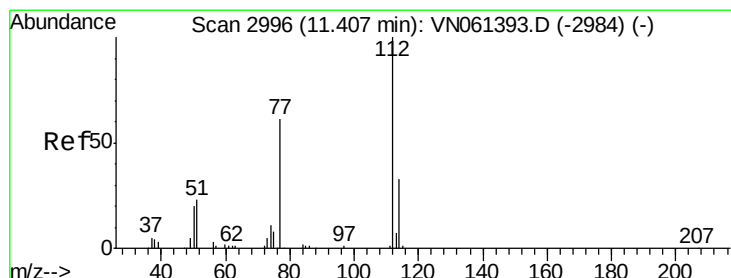
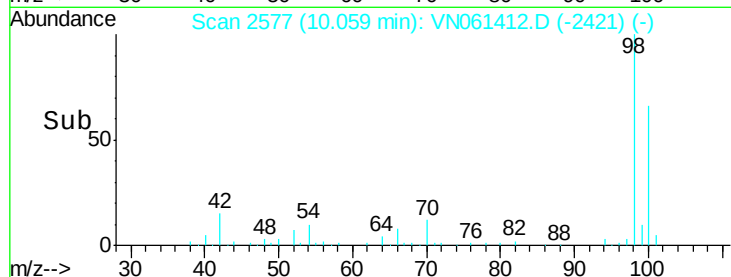
60000

40000

20000

0

Time-->



#64

Chlorobenzene

Concen: 19.69 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061412.D

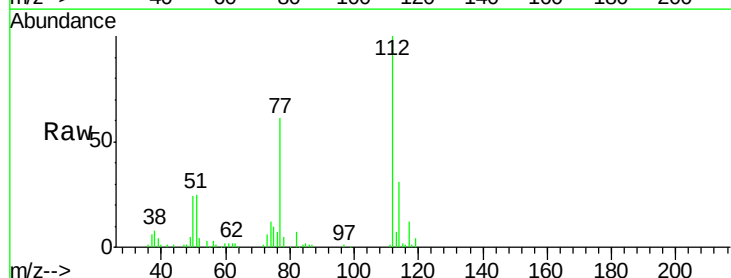
Acq: 15 May 2020 15:34

Tgt Ion: 112 Resp: 66830

Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061393.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061393.D (-2984) (-)

11.41

40000

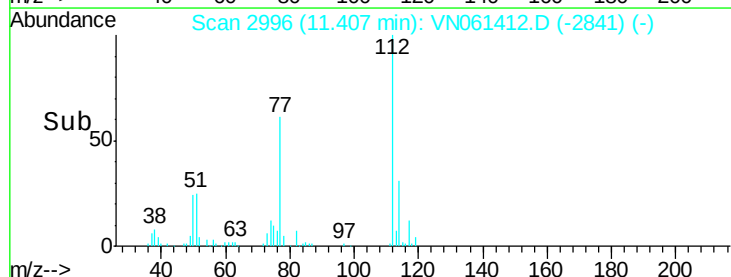
30000

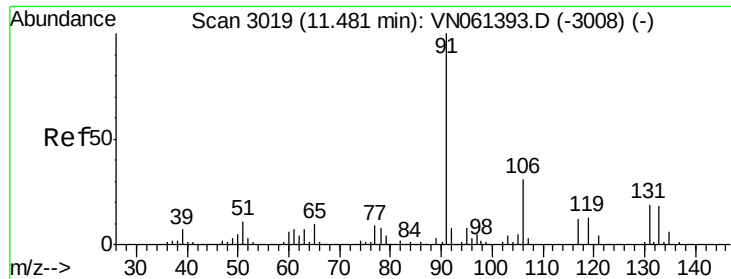
20000

10000

0

Time-->

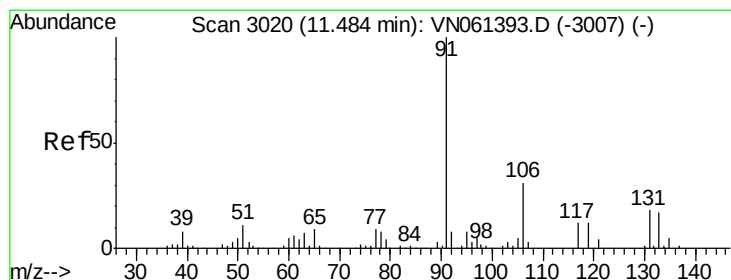
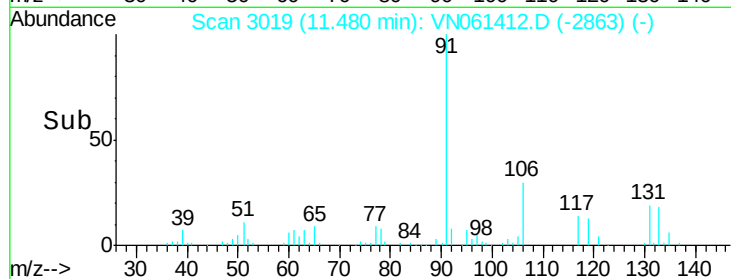
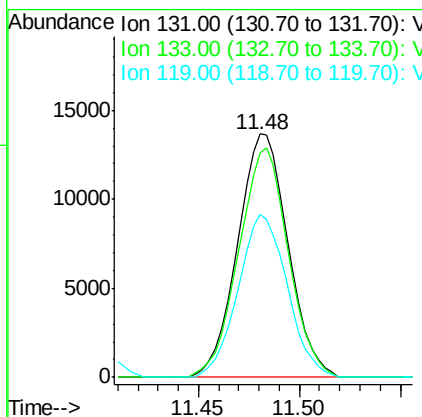
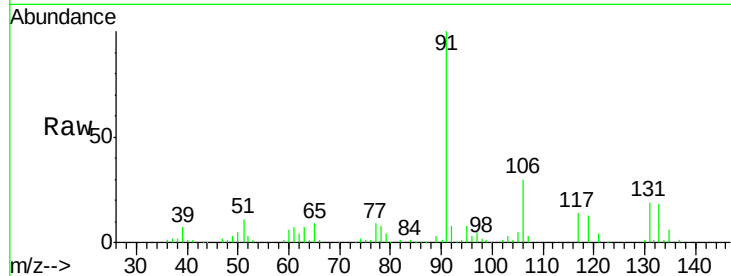




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.26 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

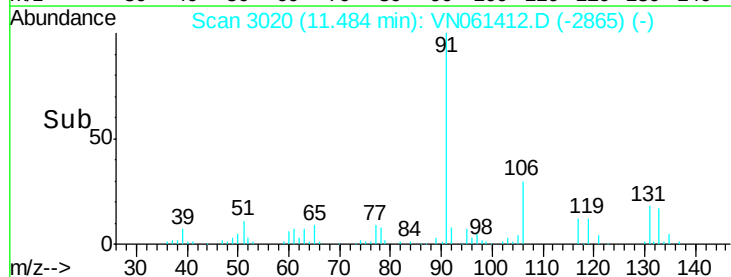
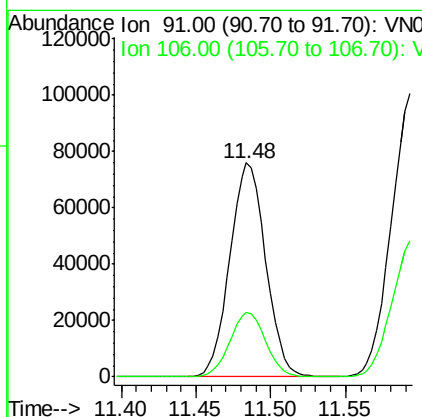
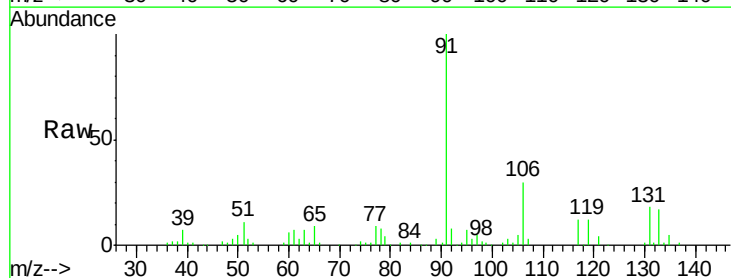
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

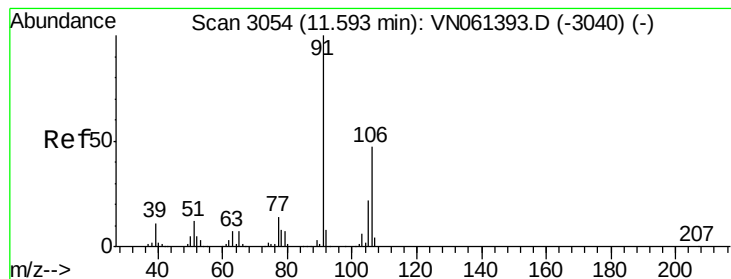
Tgt Ion: 131 Resp: 23891
 Ion Ratio Lower Upper
 131 100
 133 92.6 0.0 194.0
 119 65.3 0.0 136.8



#66
 Ethyl Benzene
 Concen: 19.28 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 91 Resp: 126903
 Ion Ratio Lower Upper
 91 100
 106 30.4 24.2 36.4





#67

m/p-Xylenes

Concen: 38.71 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampled :

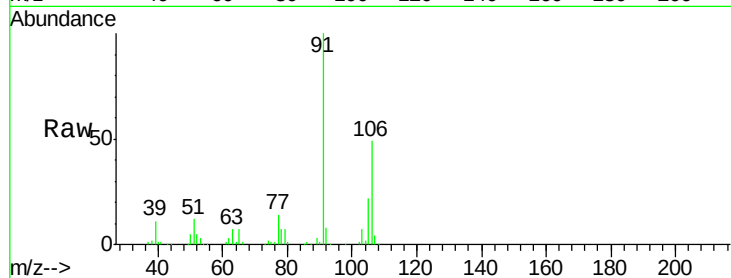
VN0515WBS01

Tgt Ion:106 Resp: 94093

Ion Ratio Lower Upper

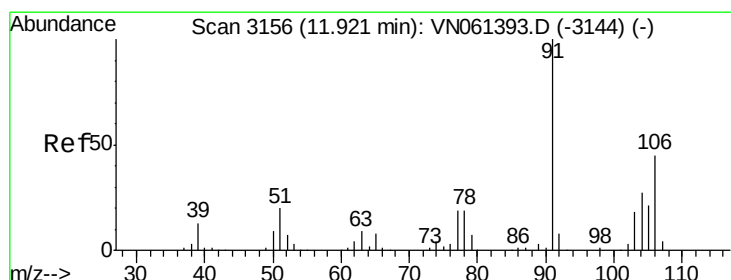
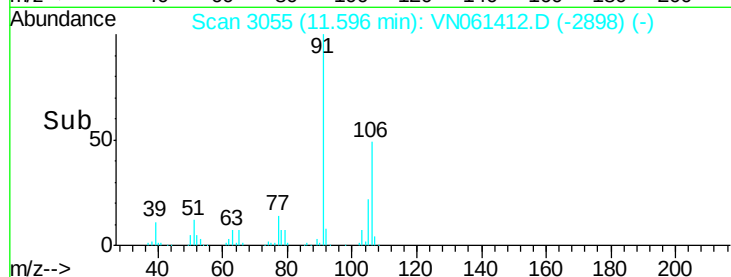
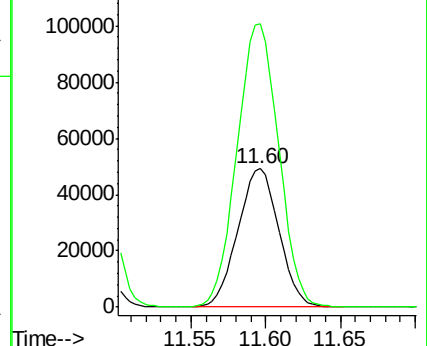
106 100

91 207.0 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.53 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061412.D

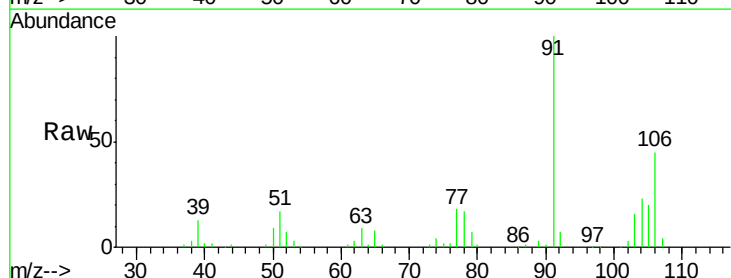
Acq: 15 May 2020 15:34

Tgt Ion:106 Resp: 45319

Ion Ratio Lower Upper

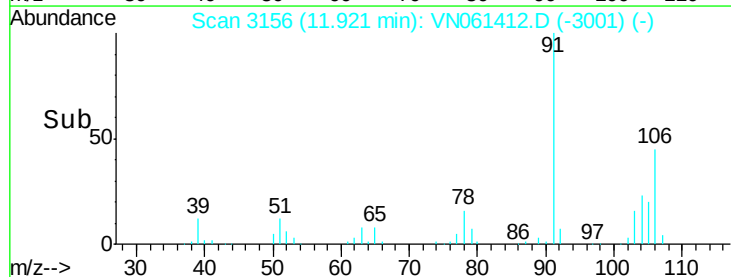
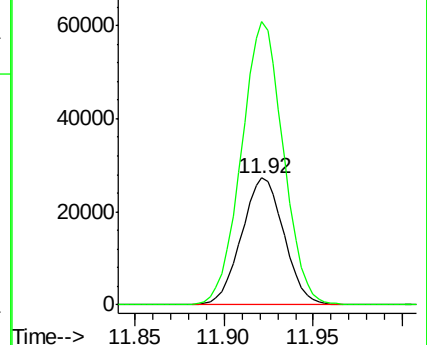
106 100

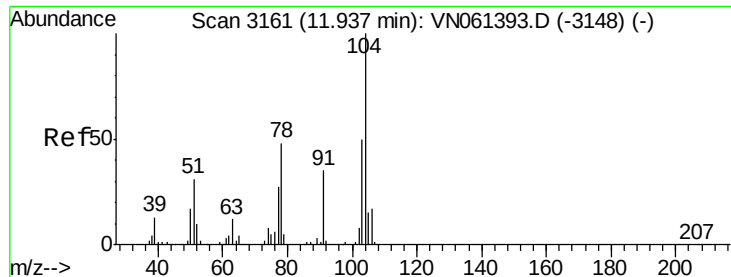
91 220.2 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

Styrene

Concen: 18.84 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampled :

VN0515WBS01

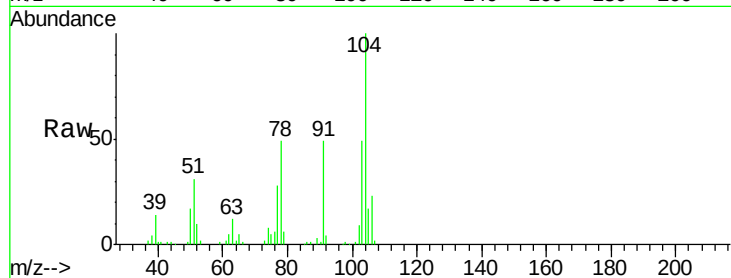
Tgt Ion:104 Resp: 75220

Ion Ratio Lower Upper

104 100

78 54.1 42.4 63.6

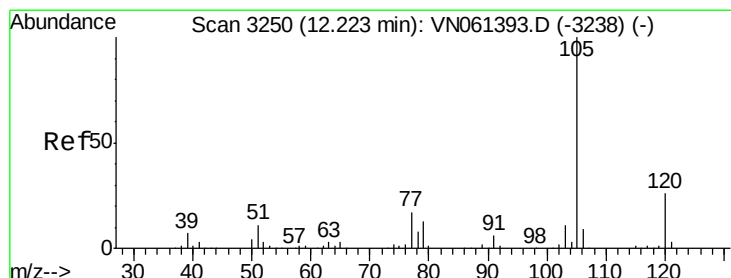
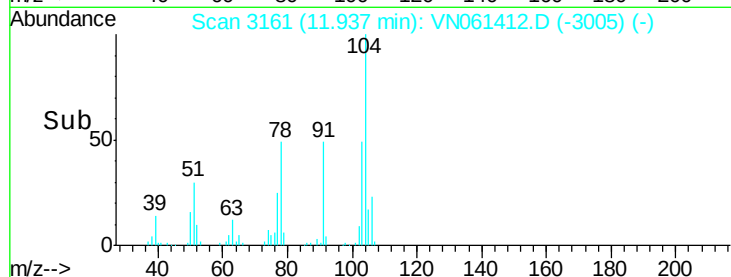
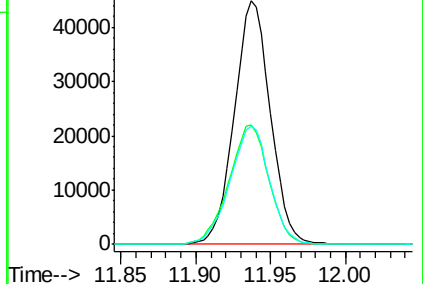
103 53.2 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.12 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061412.D

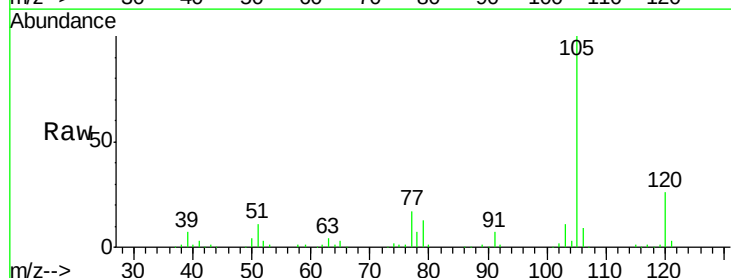
Acq: 15 May 2020 15:34

Tgt Ion:105 Resp: 120215

Ion Ratio Lower Upper

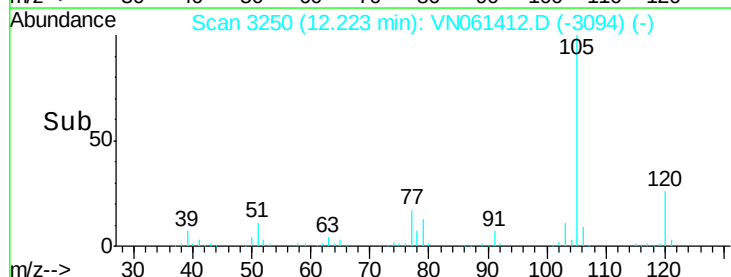
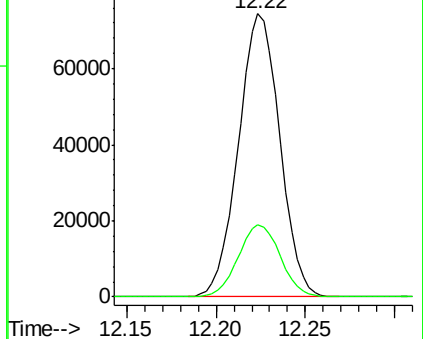
105 100

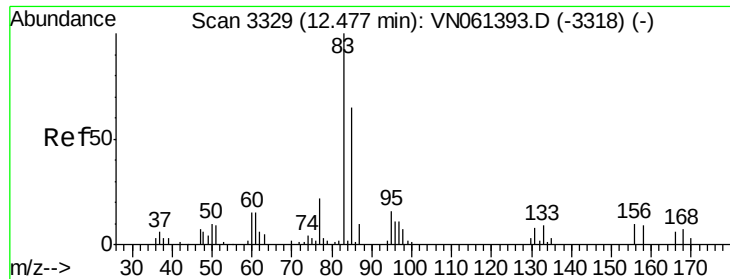
120 25.9 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

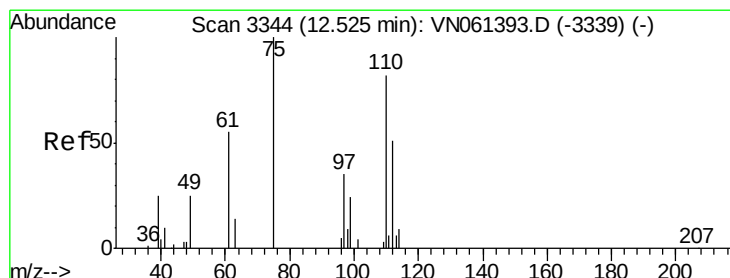
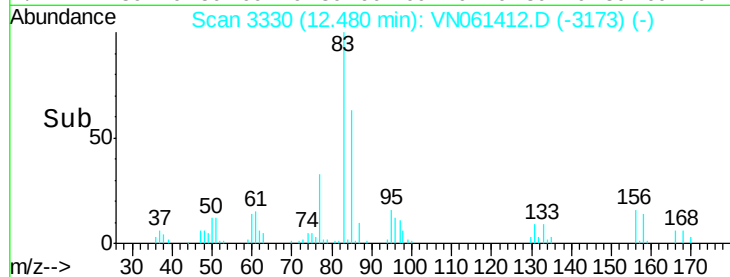
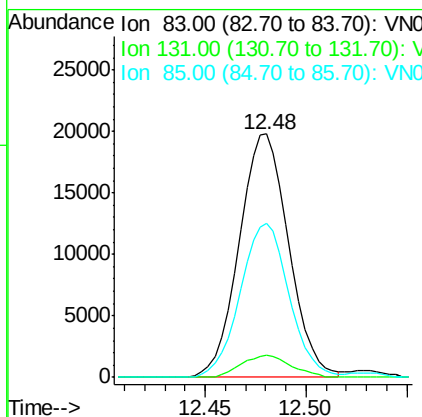
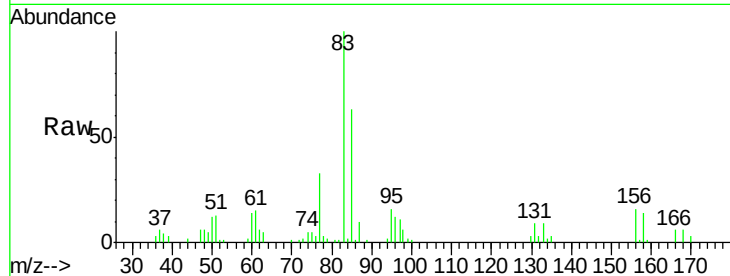




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.55 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

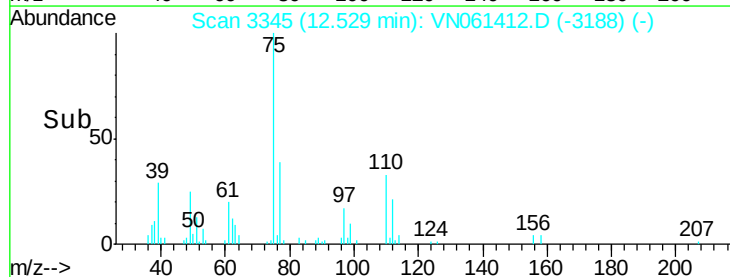
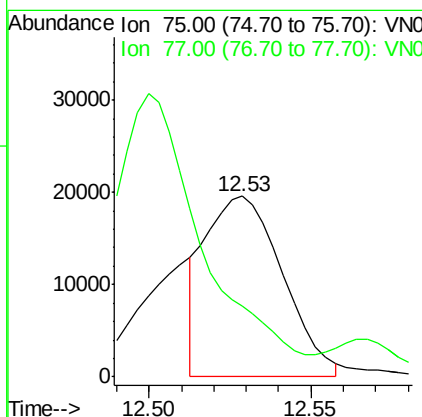
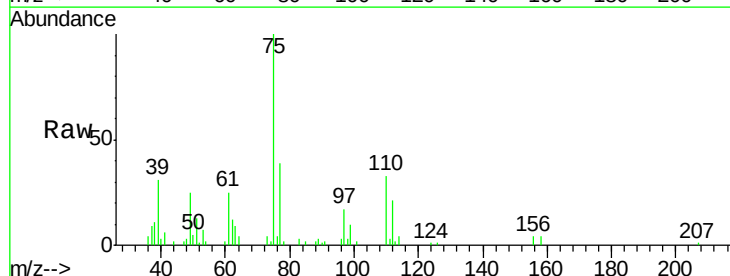
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

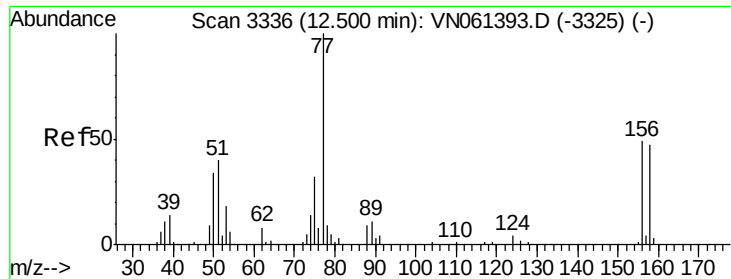
Tgt Ion: 83 Resp: 33945
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.9 14.7
 85 62.7 31.6 94.7



#72
 1,2,3-Trichloropropane
 Concen: 19.49 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 75 Resp: 32286
 Ion Ratio Lower Upper
 75 100
 77 191.2 0.0 359.4





#73

Bromobenzene

Concen: 18.94 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBS01

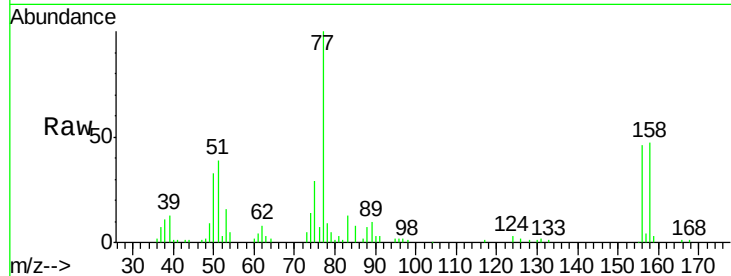
Tgt Ion:156 Resp: 24733

Ion Ratio Lower Upper

156 100

77 249.6 0.0 456.0

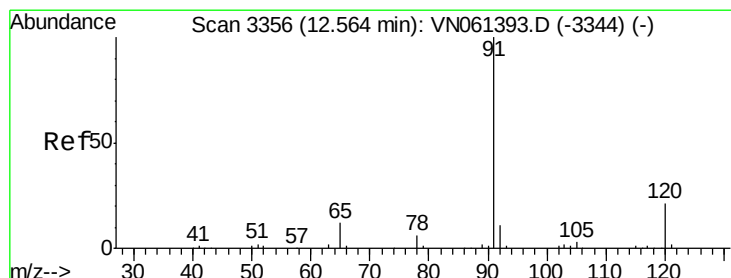
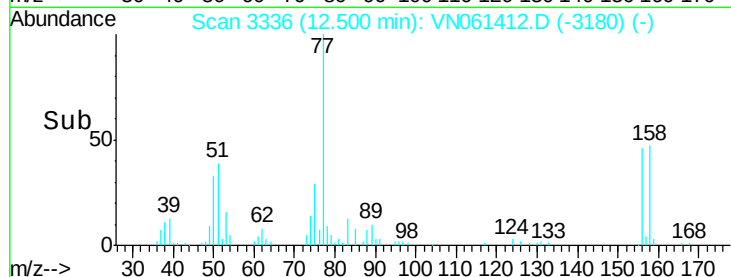
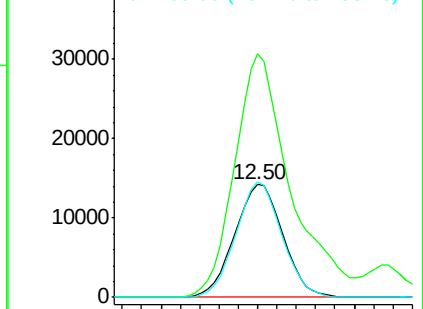
158 96.6 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.08 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061412.D

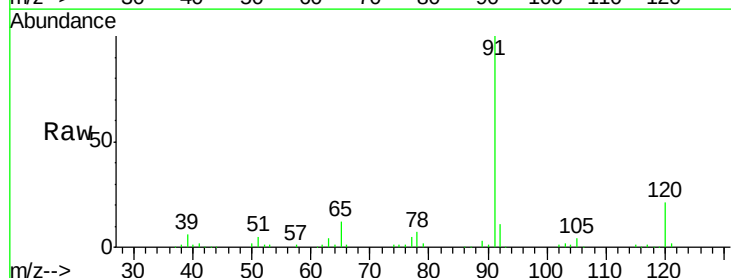
Acq: 15 May 2020 15:34

Tgt Ion: 91 Resp: 142608

Ion Ratio Lower Upper

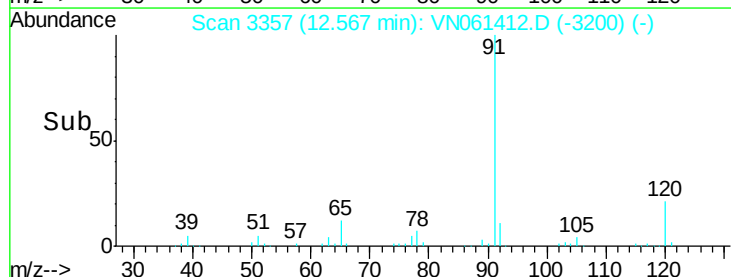
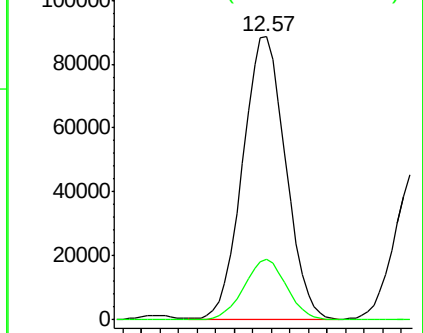
91 100

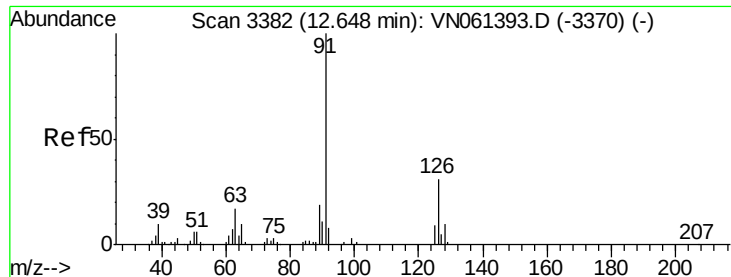
120 21.0 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.41 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampled :

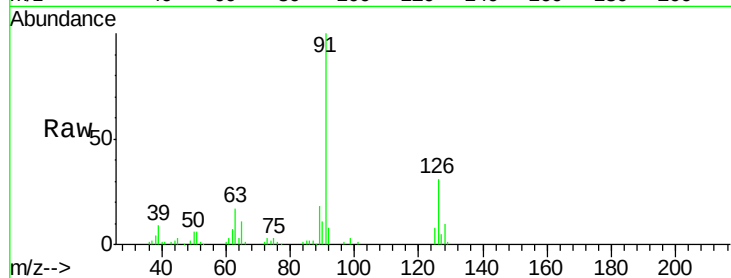
VN0515WBS01

Tgt Ion: 91 Resp: 83195

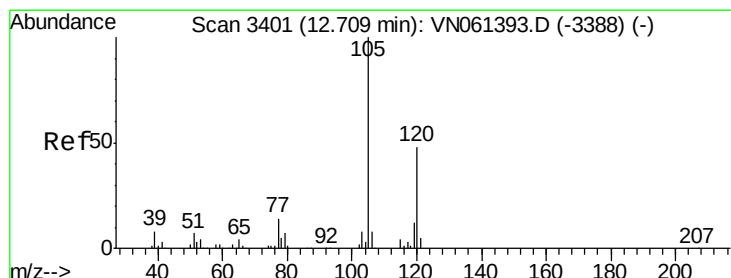
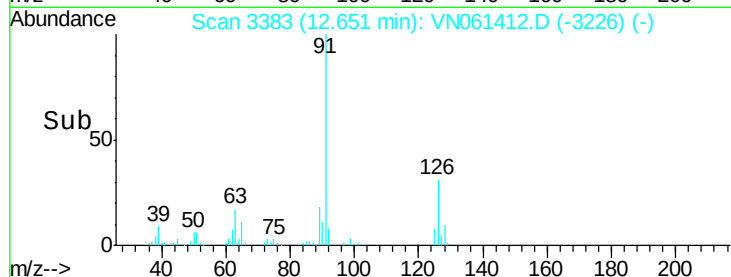
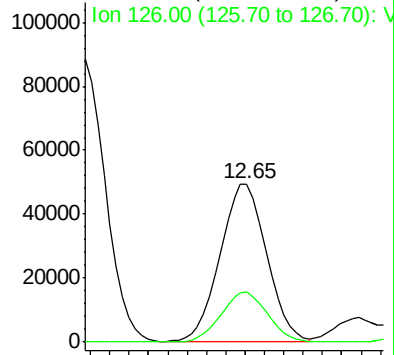
Ion Ratio Lower Upper

91 100

126 31.4 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN061412.D (-3383) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.25 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061412.D

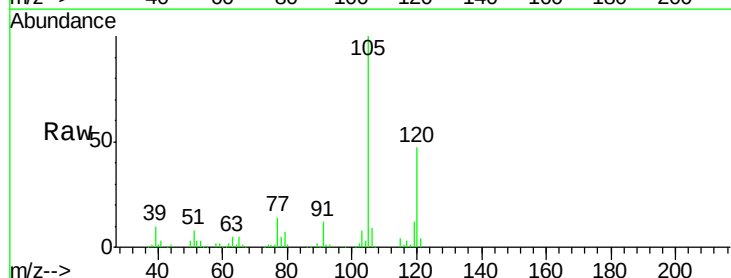
Acq: 15 May 2020 15:34

Tgt Ion: 105 Resp: 101567

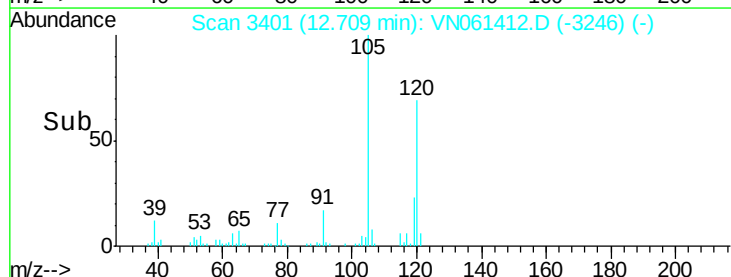
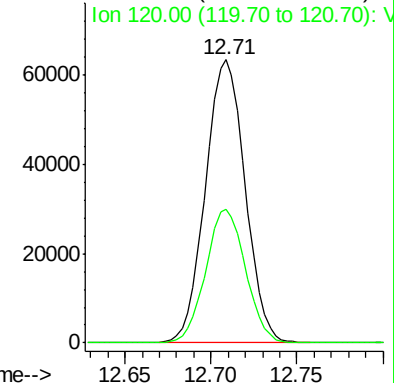
Ion Ratio Lower Upper

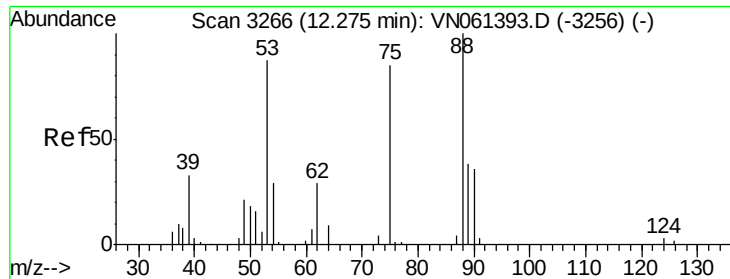
105 100

120 47.2 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061412.D (-3401) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.28 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampled :

VN0515WBS01

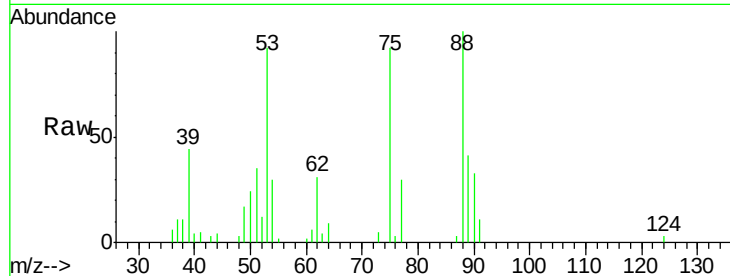
Tgt Ion: 75 Resp: 12602

Ion Ratio Lower Upper

75 100

53 98.0 50.0 150.0

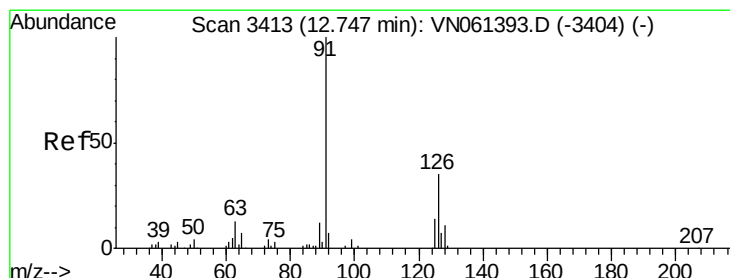
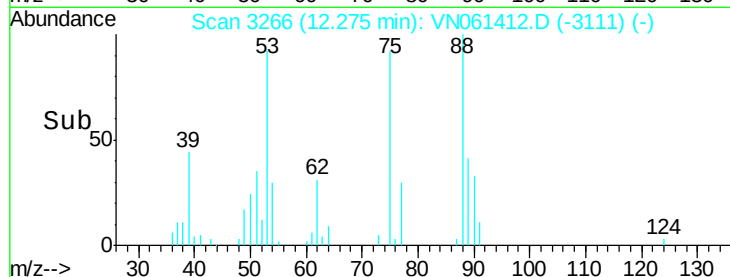
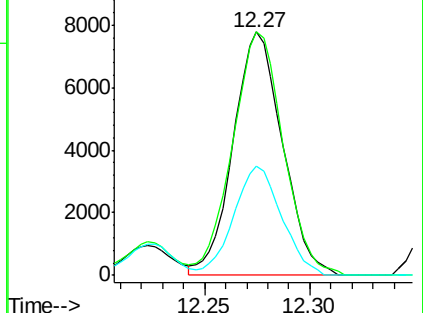
89 44.7 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.86 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061412.D

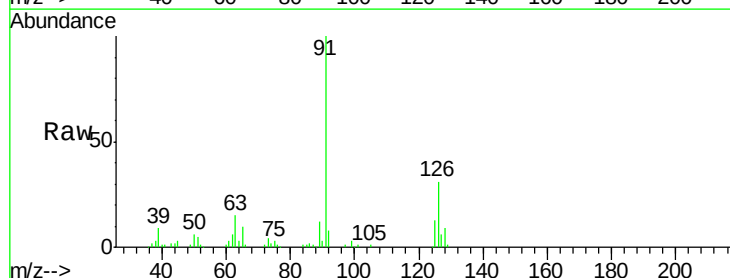
Acq: 15 May 2020 15:34

Tgt Ion: 91 Resp: 84629

Ion Ratio Lower Upper

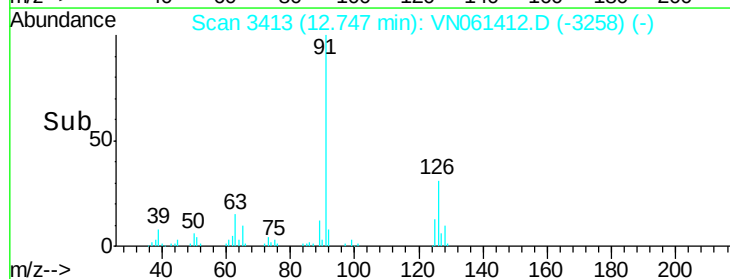
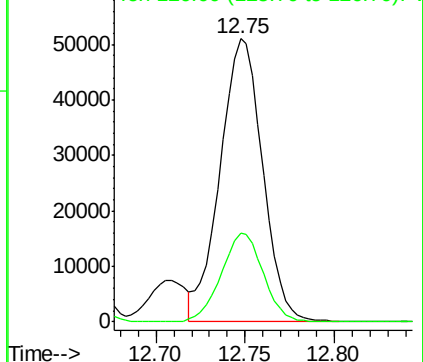
91 100

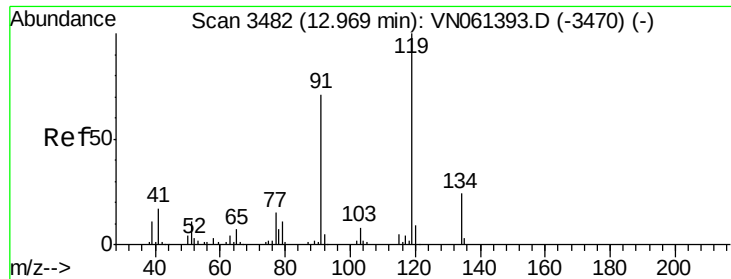
126 30.8 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.04 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

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MSVOA_N

ClientSampleId :

VN0515WBS01

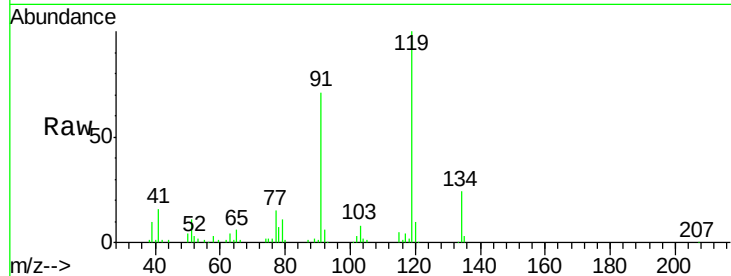
Tgt Ion:119 Resp: 83412

Ion Ratio Lower Upper

119 100

91 71.6 0.0 136.4

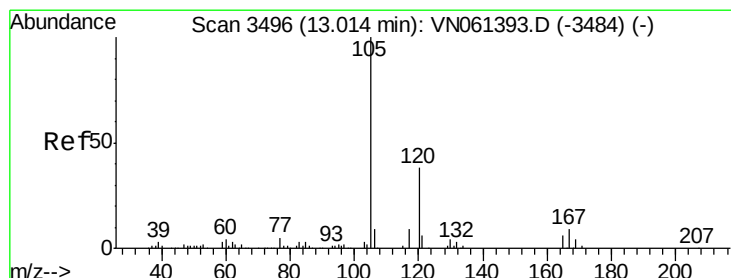
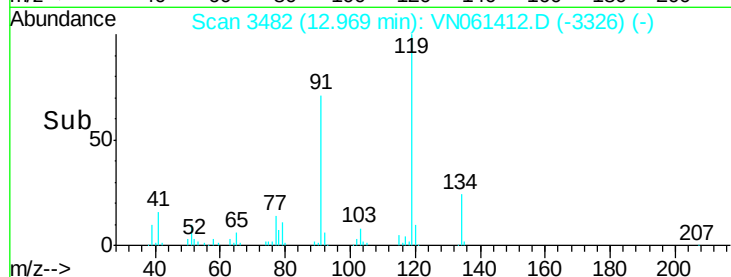
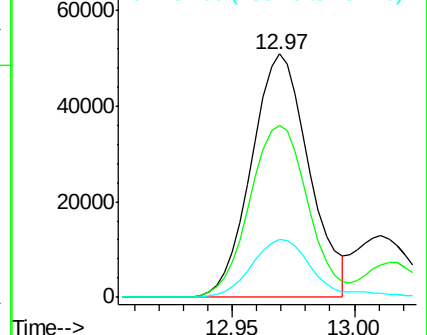
134 25.6 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.11 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN061412.D

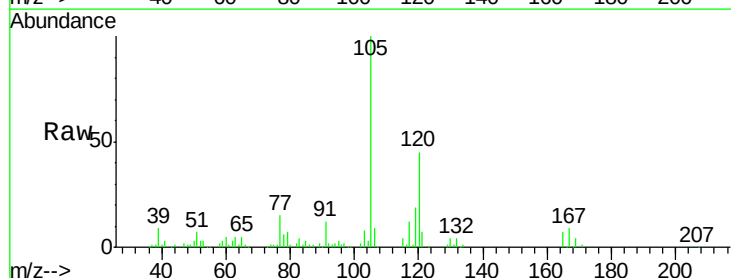
Acq: 15 May 2020 15:34

Tgt Ion:105 Resp: 100612

Ion Ratio Lower Upper

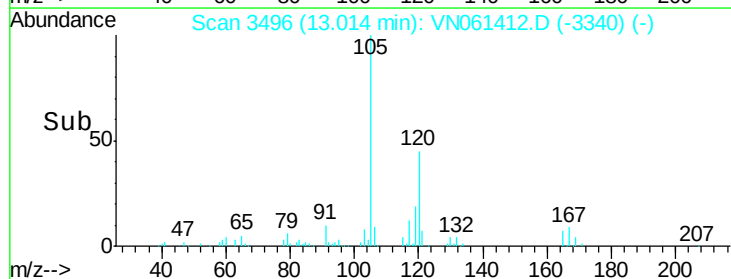
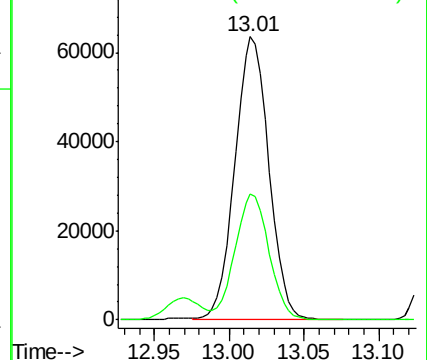
105 100

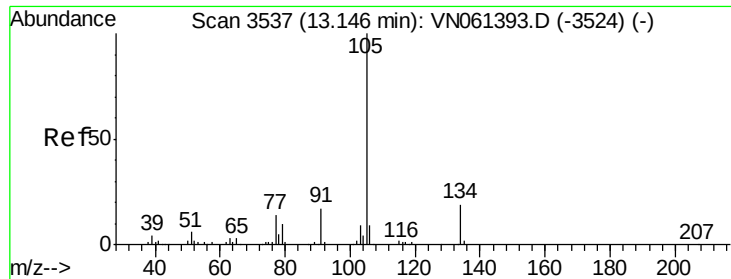
120 44.3 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

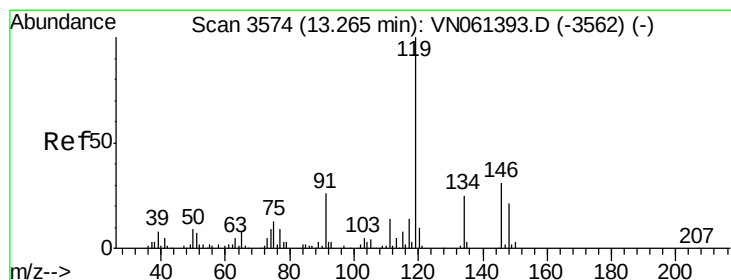
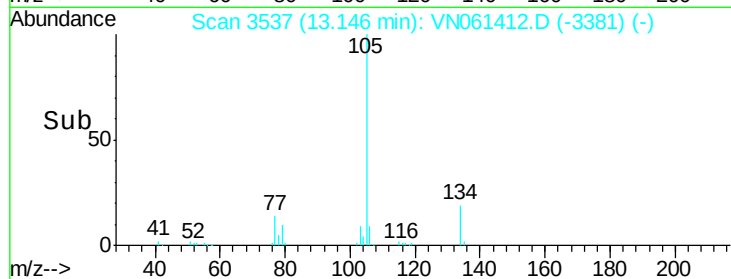
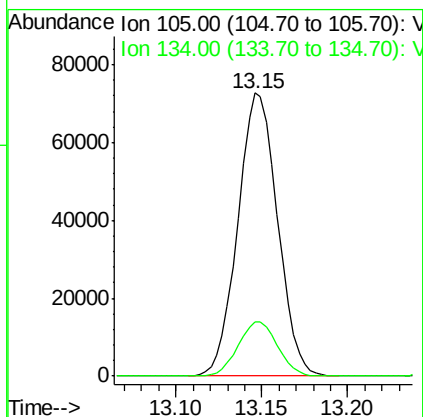
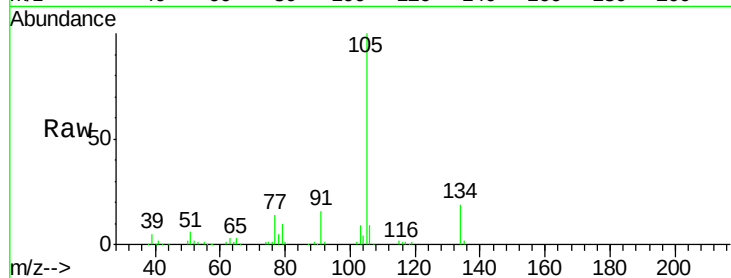




#81
 sec-Butylbenzene
 Concen: 19.30 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

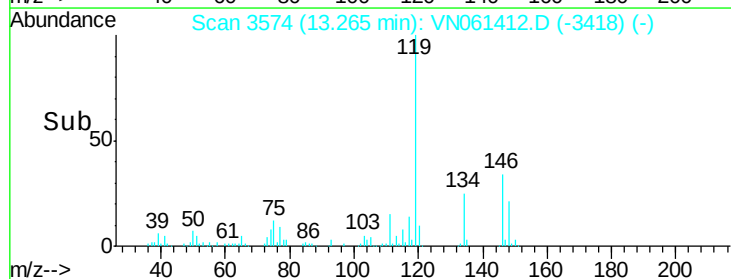
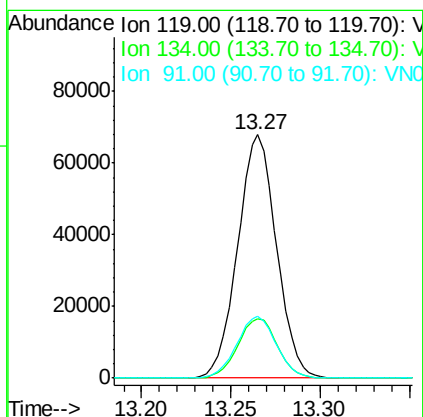
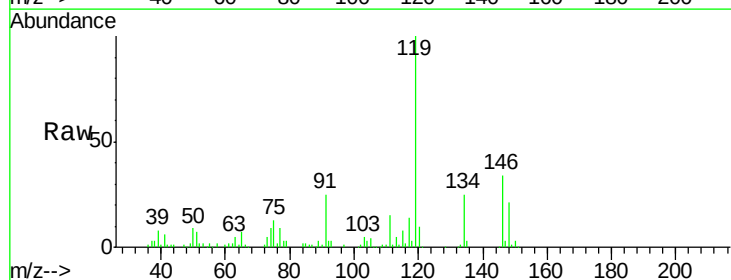
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

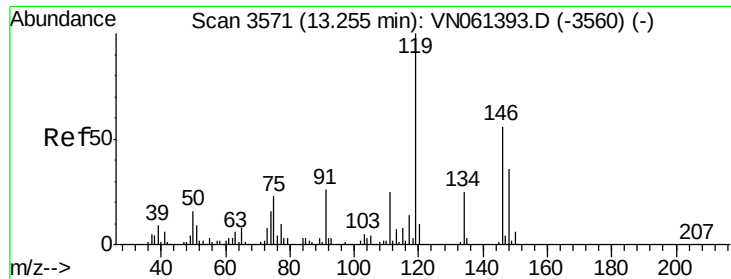
Tgt Ion:105 Resp: 116515
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 18.97 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion:119 Resp: 103131
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 50.8
 91 25.8 0.0 49.4

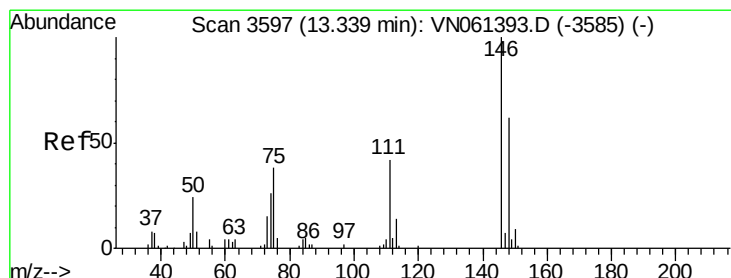
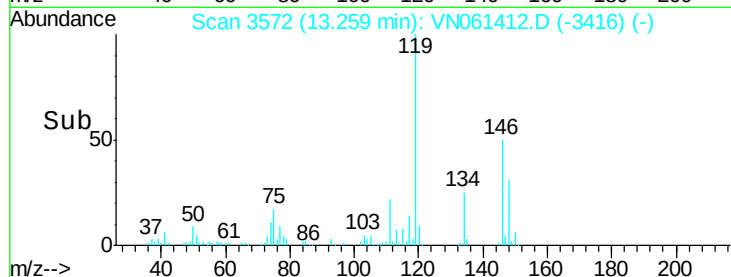
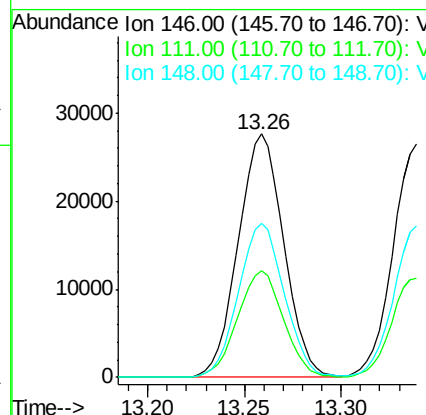
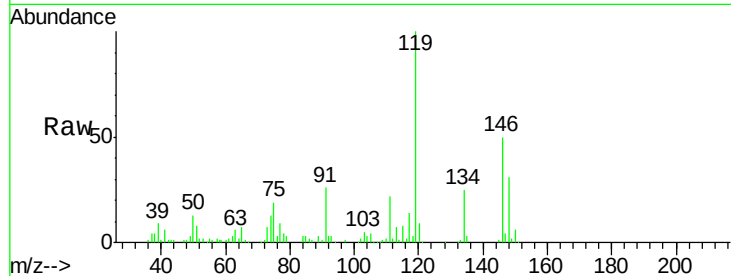




#83
 1,3-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

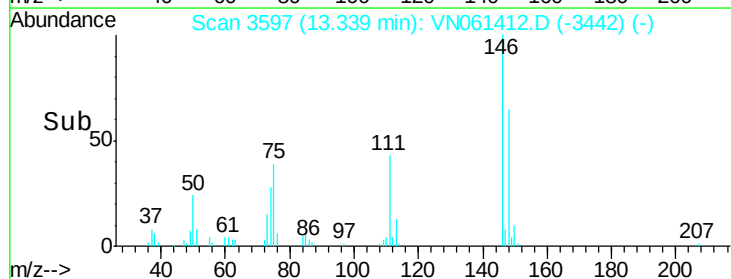
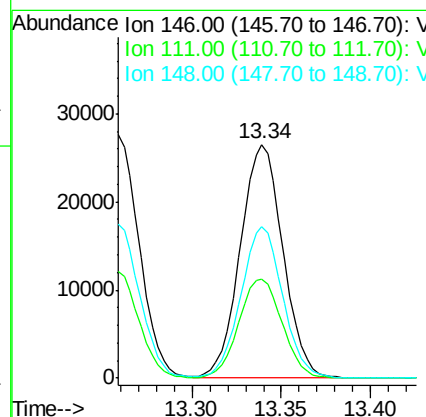
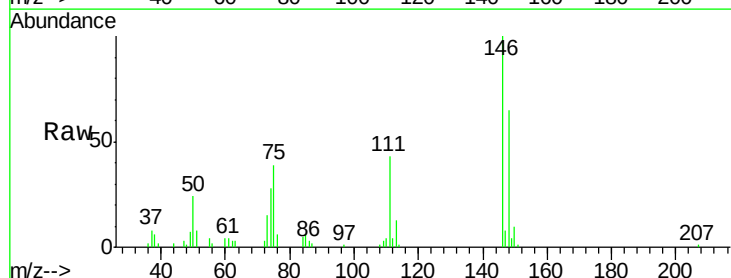
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

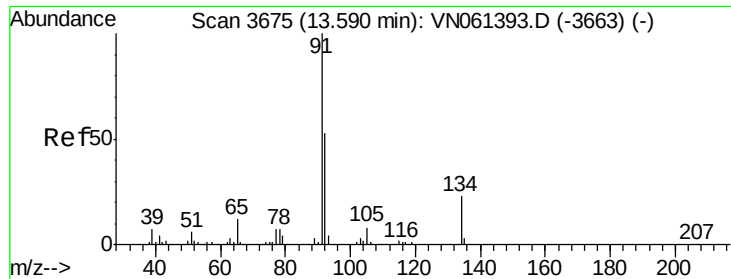
Tgt Ion:146 Resp: 45266
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.0 63.0
 148 63.6 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.48 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion:146 Resp: 44380
 Ion Ratio Lower Upper
 146 100
 111 43.1 19.8 59.4
 148 63.6 31.6 94.8





#85

n-Butylbenzene

Concen: 18.86 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061412.D

Acq: 15 May 2020 15:34

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBS01

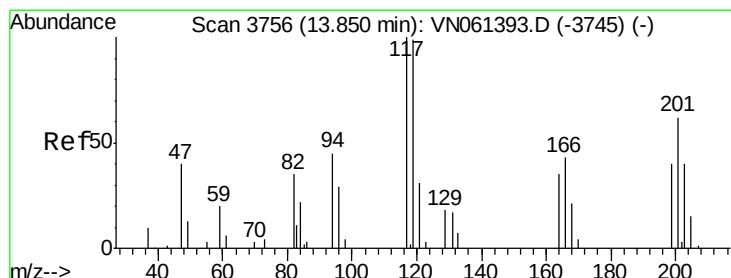
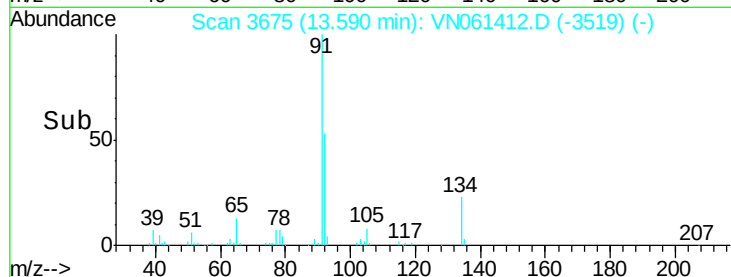
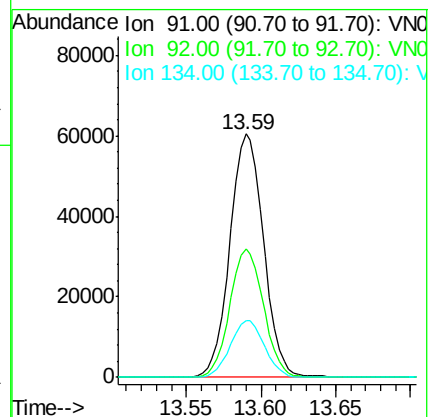
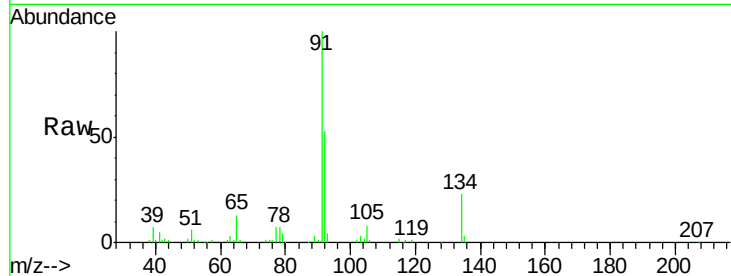
Tgt Ion: 91 Resp: 94905

Ion Ratio Lower Upper

91 100

92 52.6 0.0 102.8

134 23.7 0.0 48.6



#86

Hexachloroethane

Concen: 18.18 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061412.D

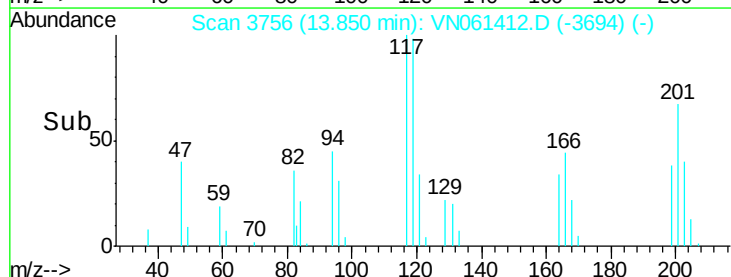
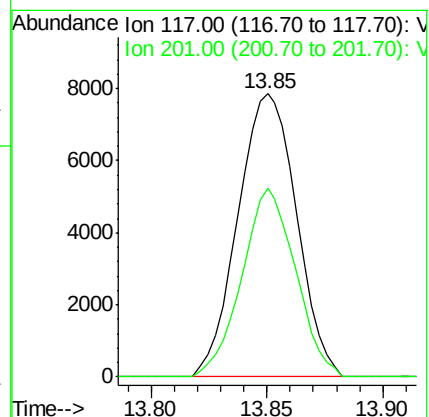
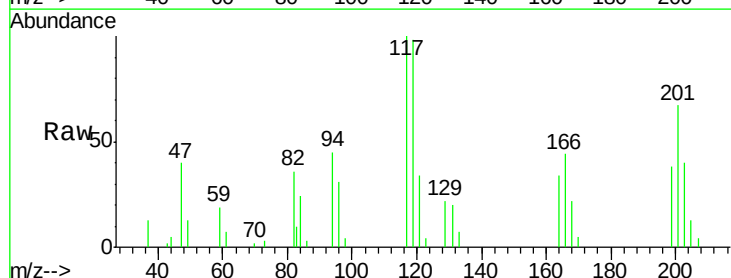
Acq: 15 May 2020 15:34

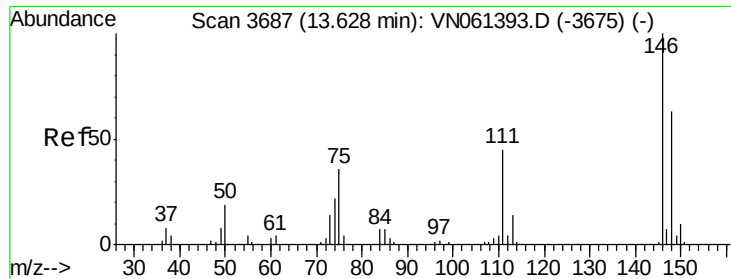
Tgt Ion: 117 Resp: 13777

Ion Ratio Lower Upper

117 100

201 61.0 38.7 116.1

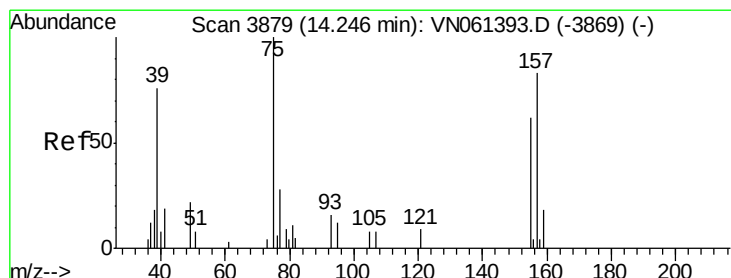
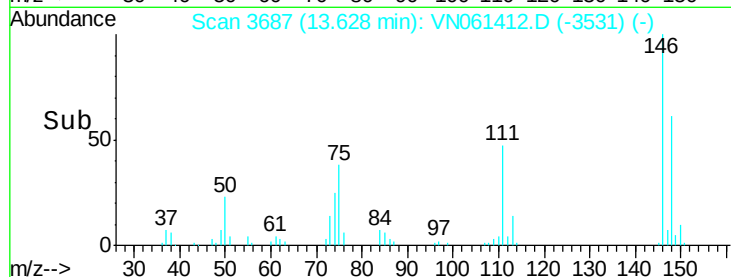
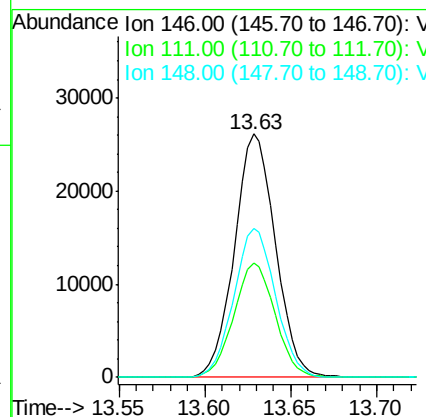
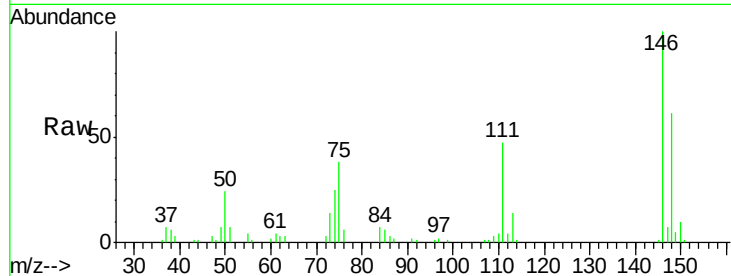




#87
 1,2-Dichlorobenzene
 Concen: 18.87 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

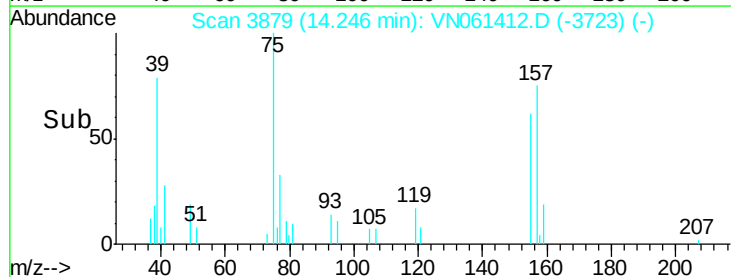
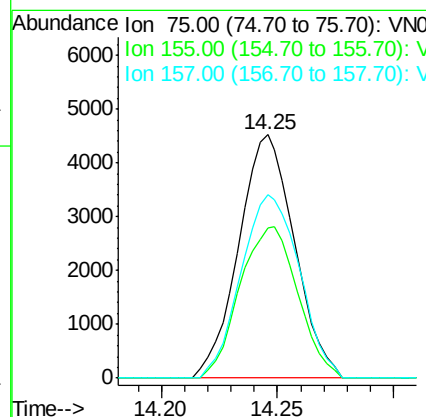
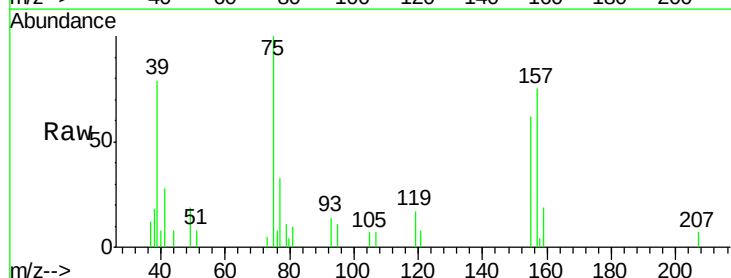
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

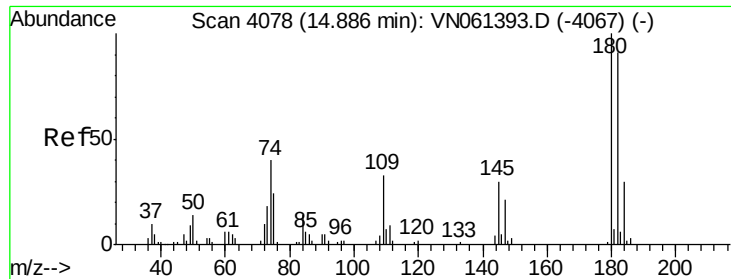
Tgt Ion: 146 Resp: 43436
 Ion Ratio Lower Upper
 146 100
 111 47.2 21.8 65.4
 148 61.9 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.41 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion: 75 Resp: 7554
 Ion Ratio Lower Upper
 75 100
 155 64.5 58.3 87.5
 157 78.8 75.0 112.6

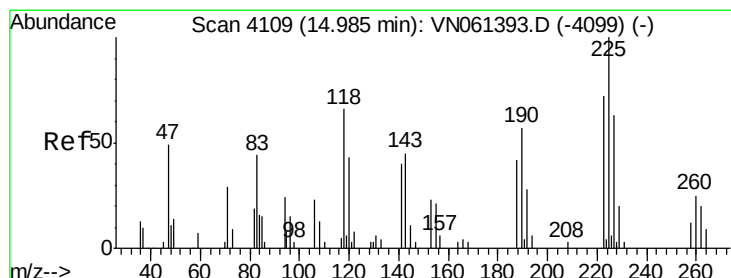
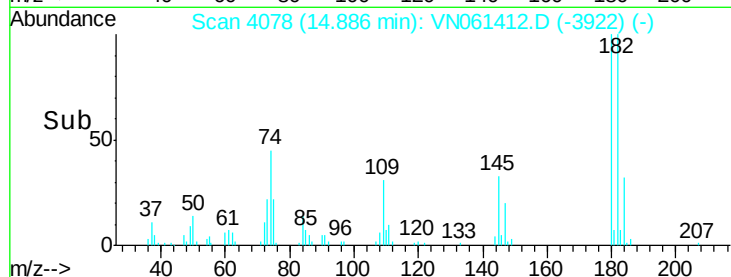
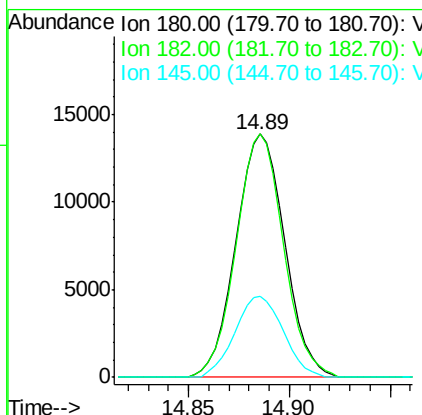
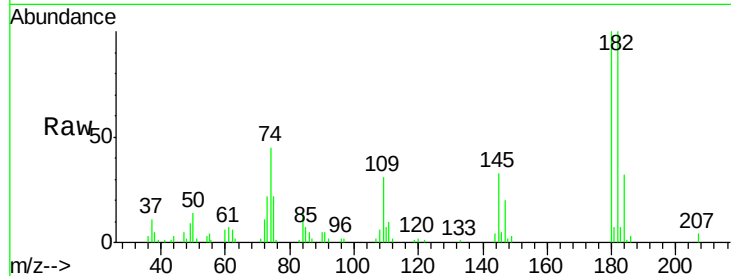




#89
 1,2,4-Trichlorobenzene
 Concen: 17.74 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

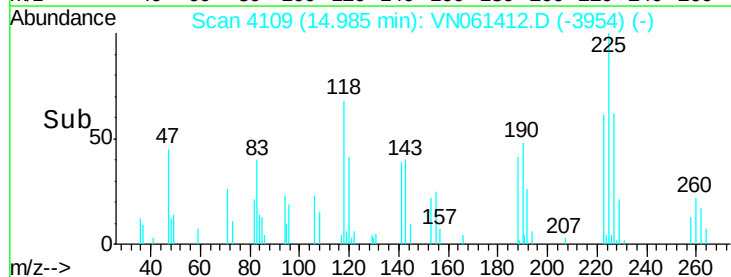
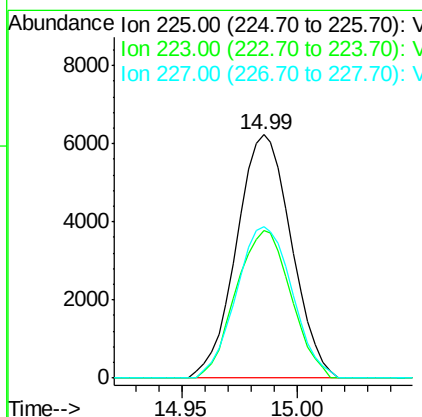
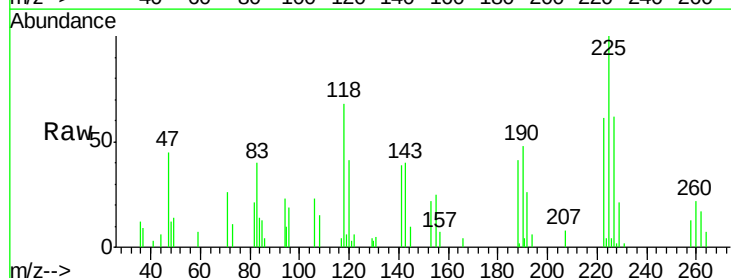
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBS01

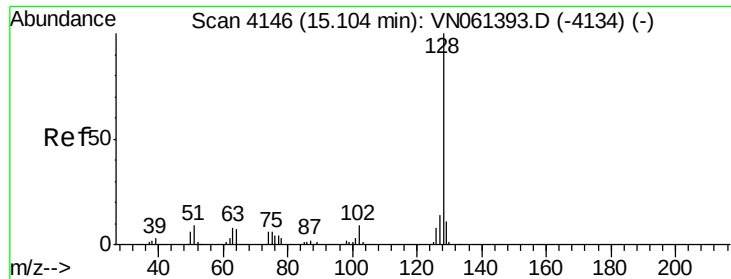
Tgt Ion:180 Resp: 23464
 Ion Ratio Lower Upper
 180 100
 182 97.2 75.3 112.9
 145 33.1 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 18.97 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061412.D
 Acq: 15 May 2020 15:34

Tgt Ion:225 Resp: 10222
 Ion Ratio Lower Upper
 225 100
 223 60.8 0.0 126.2
 227 63.6 0.0 127.0

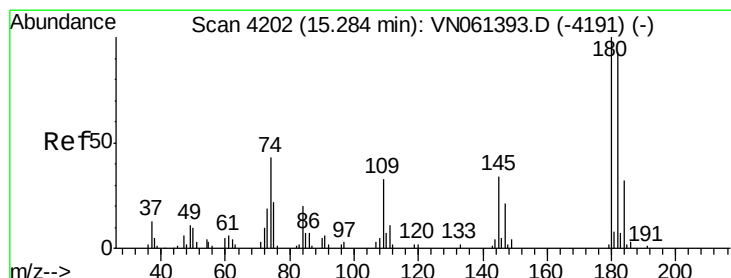
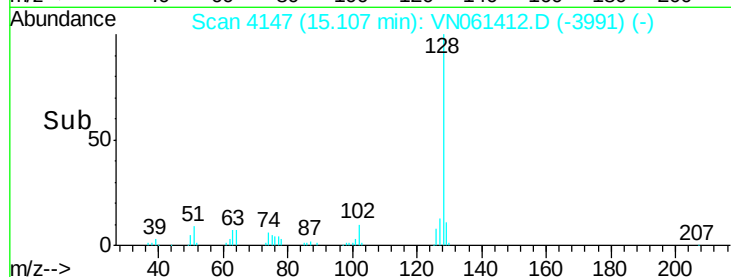
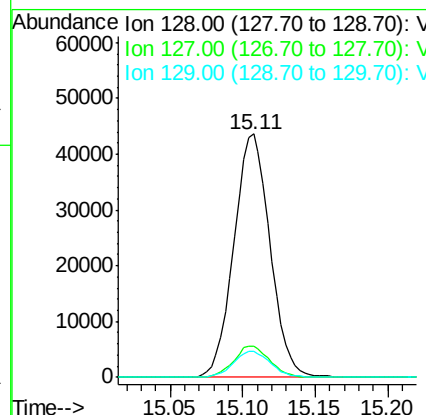
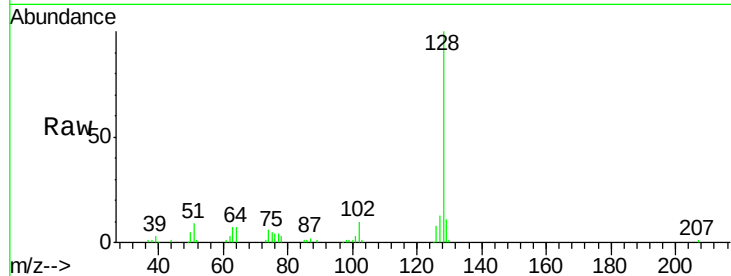




#91
Naphthalene
Concen: 18.11 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Instrument :
MSVOA_N
ClientSampleId :
VN0515WBS01

Tgt Ion:128 Resp: 75335
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 18.23 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061412.D
Acq: 15 May 2020 15:34

Tgt Ion:180 Resp: 23418
Ion Ratio Lower Upper
180 100
182 95.7 0.0 193.4
145 34.8 0.0 65.8

