

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061501.D
 Acq On : 20 May 2020 15:23
 Operator : JC/MD
 Sample : VN0520WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Quant Time: May 21 01:08:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	323389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	569356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	538963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254646	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	215767	44.71	ug/l	0.00
Spiked Amount						
			Recovery	=	89.42%	
35) Dibromofluoromethane	7.54	113	153049	51.31	ug/l	0.00
Spiked Amount						
			Recovery	=	102.62%	
50) Toluene-d8	10.06	98	679813	49.14	ug/l	0.00
Spiked Amount						
			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.37	95	255033	49.34	ug/l	0.00
Spiked Amount						
			Recovery	=	98.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	54642	20.321	ug/l	100
3) Chloromethane	2.03	50	78244	17.840	ug/l	99
4) Vinyl Chloride	2.16	62	117528	18.724	ug/l	100
5) Bromomethane	2.54	94	68646	19.166	ug/l	98
6) Chloroethane	2.67	64	75917	17.969	ug/l	99
7) Trichlorofluoromethane	2.98	101	159167	20.887	ug/l	96
8) Diethyl Ether	3.37	74	42625	19.203	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65855	20.781	ug/l	97
10) Methyl Iodide	3.91	142	81389	21.146	ug/l	98
11) Tert butyl alcohol	4.73	59	66826	120.166	ug/l	100
12) 1,1-Dichloroethene	3.69	96	65070	19.630	ug/l	88
13) Acrolein	3.56	56	23153	42.345	ug/l	97
14) Allyl chloride	4.27	41	96578	17.903	ug/l	96
15) Acrylonitrile	4.92	53	152495	92.557	ug/l	98
16) Acetone	3.77	43	135302	102.844	ug/l	99
17) Carbon Disulfide	4.01	76	141372	17.817	ug/l	100
18) Methyl Acetate	4.27	43	62879	18.319	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	245849	19.544	ug/l	97
20) Methylene Chloride	4.50	84	74895	18.881	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	74414	19.468	ug/l	97
22) Diisopropyl ether	5.90	45	216190	17.834	ug/l	96
23) Vinyl Acetate	5.84	43	878951	91.178	ug/l	96
24) 1,1-Dichloroethane	5.79	63	132326	18.715	ug/l	98
25) 2-Butanone	6.78	43	209397	95.288	ug/l	96
26) 2,2-Dichloropropane	6.77	77	130852	19.413	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	91529	20.272	ug/l	94
28) Bromochloromethane	7.15	49	54786	18.254	ug/l	91
29) Tetrahydrofuran	7.17	42	134622	92.501	ug/l	95
30) Chloroform	7.33	83	148534	20.113	ug/l	99
31) Cyclohexane	7.61	56	116781	16.787	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	133762	19.821	ug/l	99
36) 1,1-Dichloropropene	7.75	75	109474	20.563	ug/l	98
37) Ethyl Acetate	6.88	43	87564	18.137	ug/l	97
38) Carbon Tetrachloride	7.73	117	103775	21.169	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	121591	18.699	ug/l	95
40) Benzene	8.00	78	323664	20.174	ug/l	98
41) Methacrylonitrile	7.13	41	46712	22.907	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	113669	19.665	ug/l	100
43) Isopropyl Acetate	8.12	43	160527	19.063	ug/l	92
44) Trichloroethene	8.80	130	92101	21.909	ug/l	99
45) 1,2-Dichloropropane	9.08	63	80423	20.027	ug/l	100
46) Dibromomethane	9.17	93	58046	20.619	ug/l	96
47) Bromodichloromethane	9.37	83	119687	20.179	ug/l	96
48) Methyl methacrylate	9.17	41	68977	17.732	ug/l	95
49) 1,4-Dioxane	9.16	88	28058	673.449	ug/l	91
51) 4-Methyl-2-Pentanone	9.95	43	453607	98.885	ug/l	99
52) Toluene	10.12	92	217509	21.117	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	130431	20.063	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	137525	19.900	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	83435	21.426	ug/l	99
56) Ethyl methacrylate	10.40	69	126336	20.751	ug/l	94
57) 1,3-Dichloropropane	10.68	76	140529	20.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	249844	93.495	ug/l	96
59) 2-Hexanone	10.72	43	325117	97.962	ug/l	98
60) Dibromochloromethane	10.87	129	93779	21.771	ug/l	98
61) 1,2-Dibromoethane	10.98	107	89755	21.921	ug/l	98
64) Tetrachloroethene	10.60	164	87805	21.058	ug/l	98
65) Chlorobenzene	11.40	112	231733	21.084	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	85048	21.585	ug/l	99
67) Ethyl Benzene	11.48	91	417048	20.788	ug/l	97
68) m/p-Xylenes	11.59	106	323170	42.438	ug/l	97
69) o-Xylene	11.92	106	156572	21.247	ug/l	95
70) Styrene	11.94	104	258839	21.211	ug/l	98
71) Bromoform	12.10	173	59159	20.548	ug/l #	98
73) Isopropylbenzene	12.22	105	408599	19.987	ug/l	98
74) N-amyl acetate	12.04	43	135744	18.141	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	113286	20.142	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	146823	26.871	ug/l #	100
77) Bromobenzene	12.50	156	95689	21.568	ug/l	91
78) n-propylbenzene	12.56	91	456208	19.586	ug/l	98
79) 2-Chlorotoluene	12.65	91	269994	19.611	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	340819	20.361	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	36483	17.712	ug/l	97
82) 4-Chlorotoluene	12.75	91	287543	20.170	ug/l	98
83) tert-Butylbenzene	12.97	119	281817	19.656	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	338941	20.233	ug/l	98
85) sec-Butylbenzene	13.15	105	375535	19.370	ug/l	99
86) p-Isopropyltoluene	13.26	119	340975	19.806	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	171215	21.087	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	171871	21.136	ug/l	99
89) n-Butylbenzene	13.59	91	290419	18.568	ug/l	99
90) Hexachloroethane	13.85	117	45657	19.568	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	166847	21.422	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22475	19.782	ug/l	93

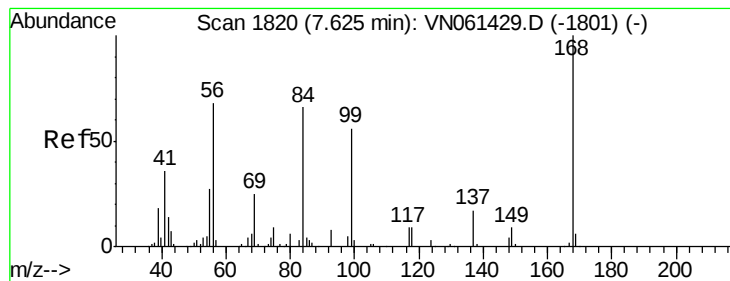
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	87546	20.730	ug/l	100
94) Hexachlorobutadiene	14.98	225	35736	19.045	ug/l	98
95) Naphthalene	15.10	128	286692	21.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	86806	20.648	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

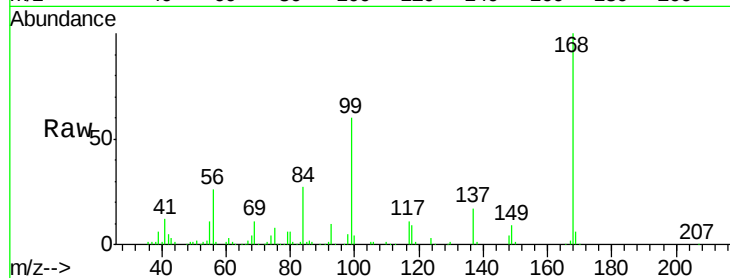
VN0520WBS01

Tot Ion:168 Resp: 323389

Ion Ratio Lower Upper

168 100

99 60.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

100000

50000

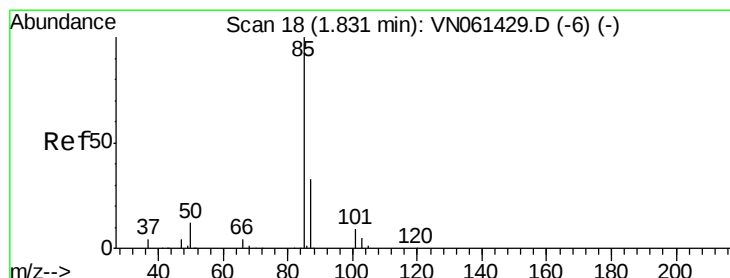
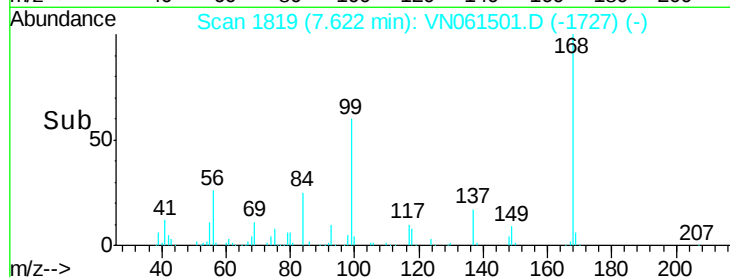
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.321 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061501.D

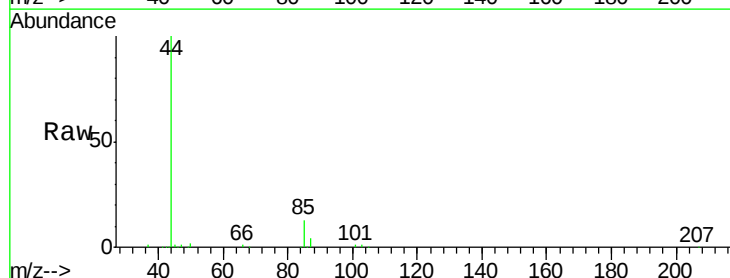
Acq: 20 May 2020 15:23

Tgt Ion: 85 Resp: 54642

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

20000

10000

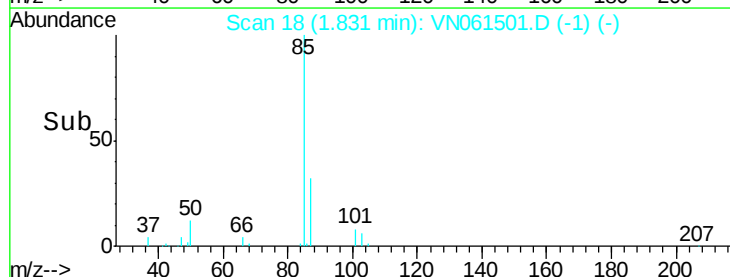
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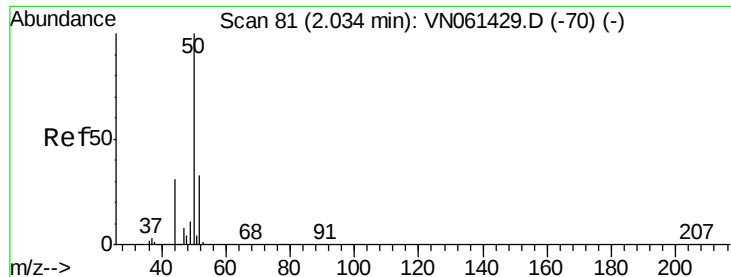
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.840 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

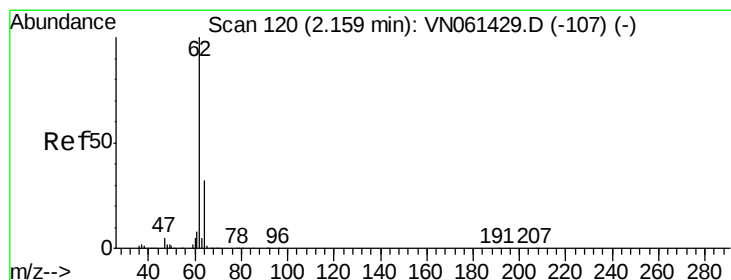
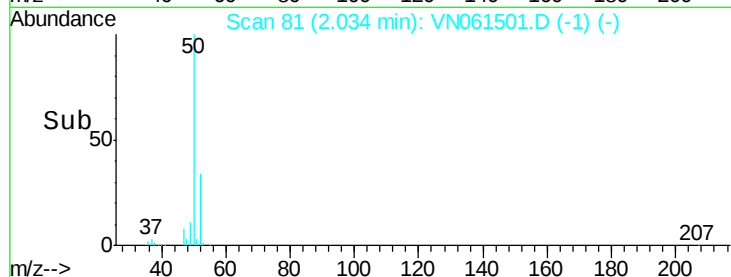
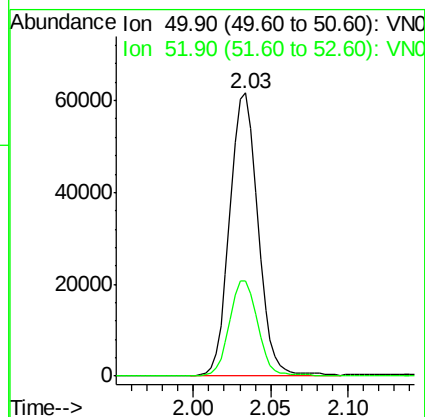
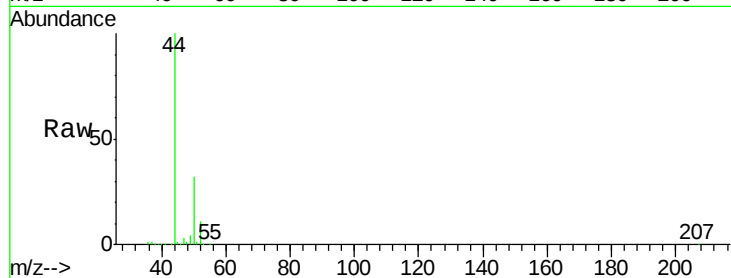
VN0520WBS01

Tot Ion: 50 Resp: 78244

Ion Ratio Lower Upper

50 100

52 33.8 26.7 40.1



#4

Vinyl Chloride

Concen: 18.724 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061501.D

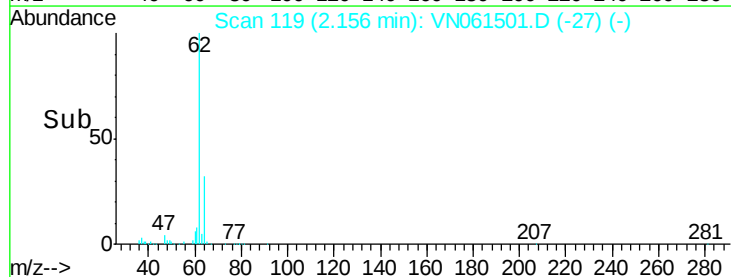
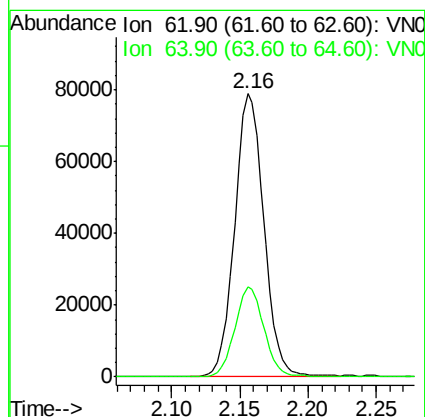
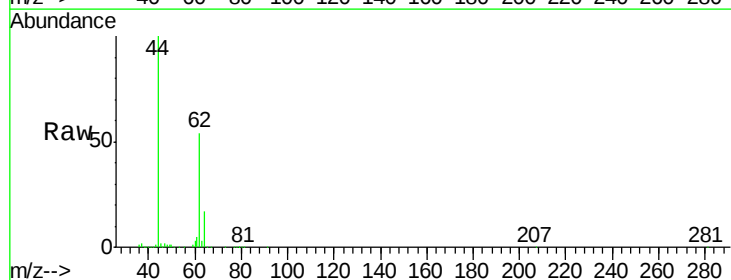
Acq: 20 May 2020 15:23

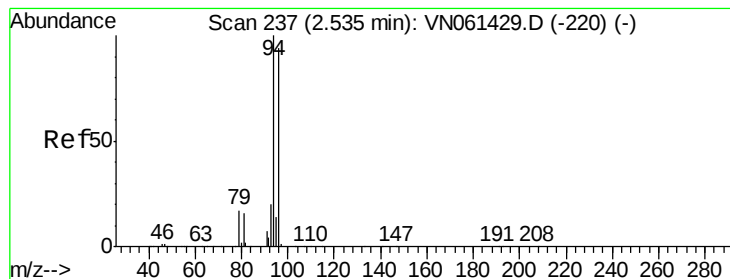
Tgt Ion: 62 Resp: 117528

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 19.166 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

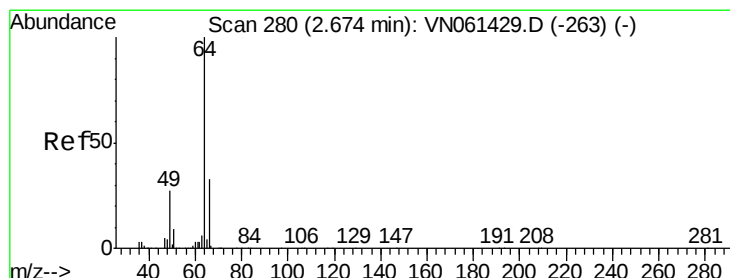
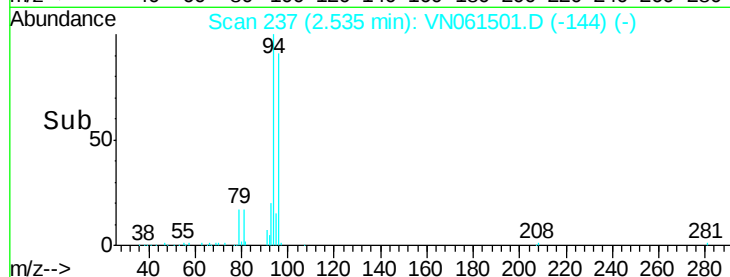
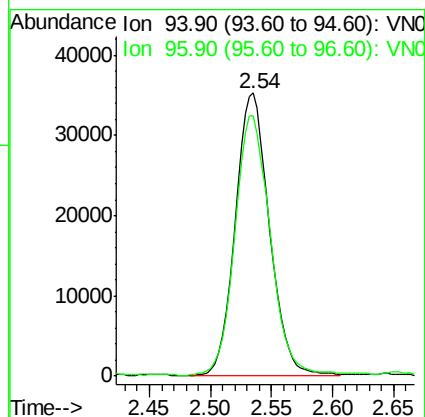
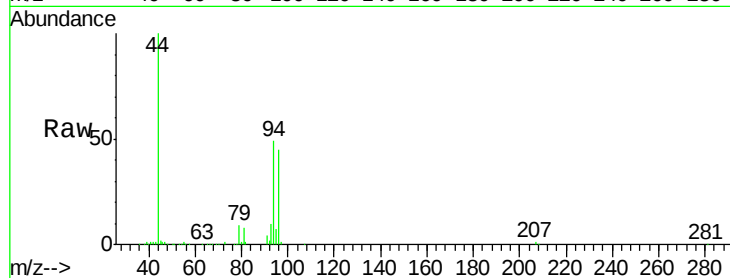
VN0520WBS01

Tot Ion: 94 Resp: 68646

Ion Ratio Lower Upper

94 100

96 91.3 74.9 112.3



#6

Chloroethane

Concen: 17.969 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061501.D

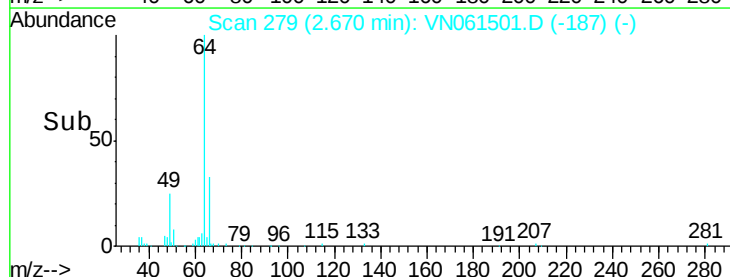
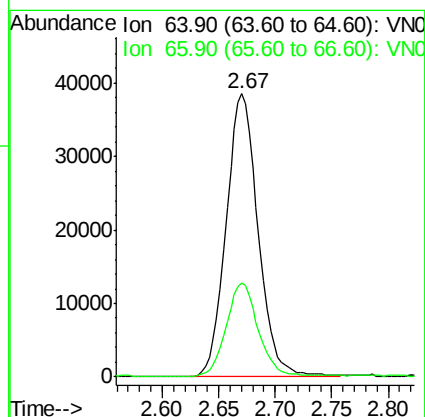
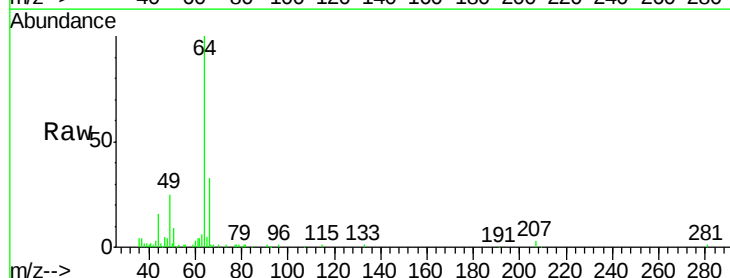
Acq: 20 May 2020 15:23

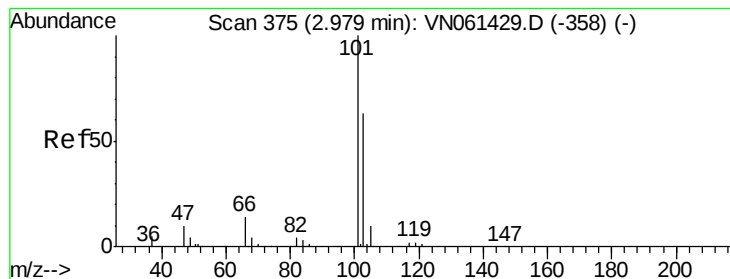
Tgt Ion: 64 Resp: 75917

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5



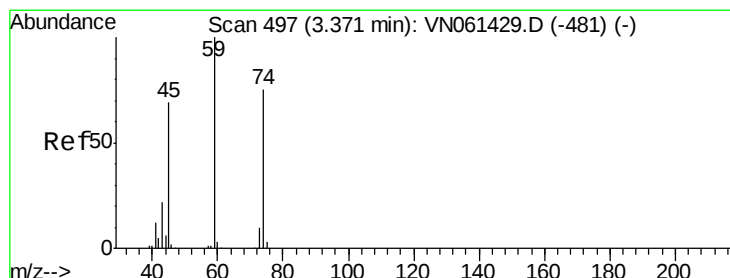
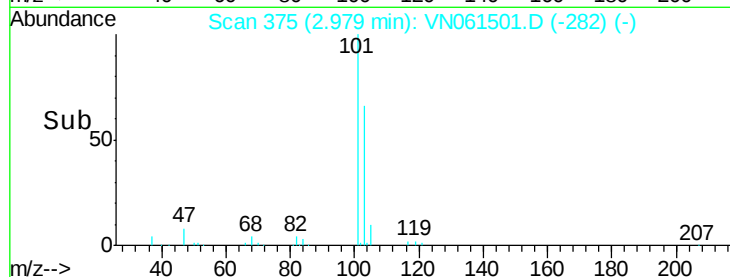
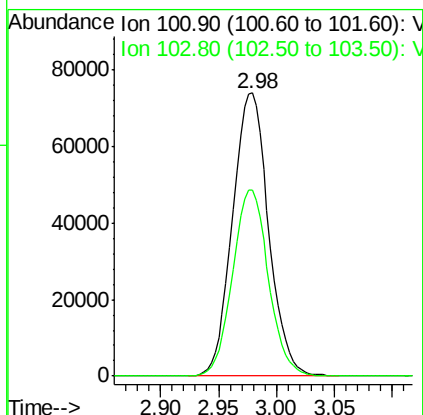
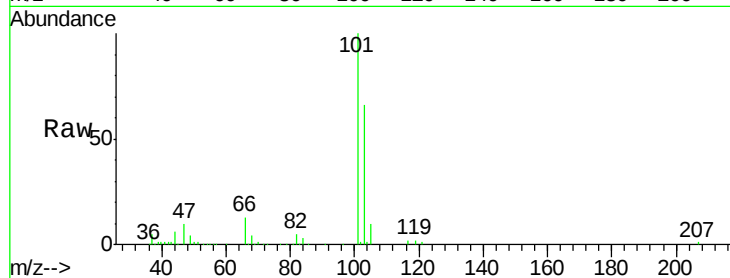


#7

Trichlorofluoromethane
 Concen: 20.887 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
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 VN0520WBS01

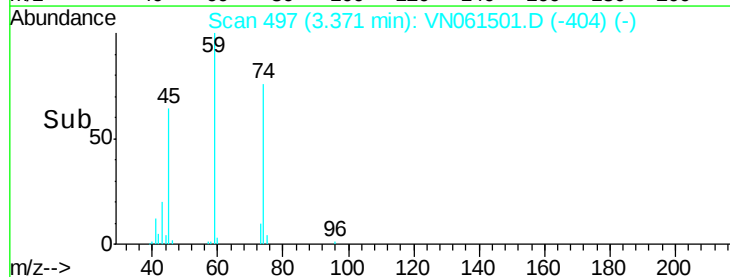
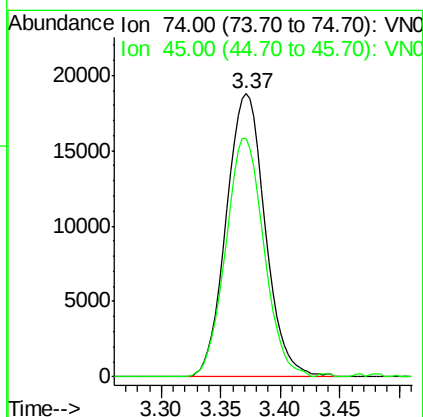
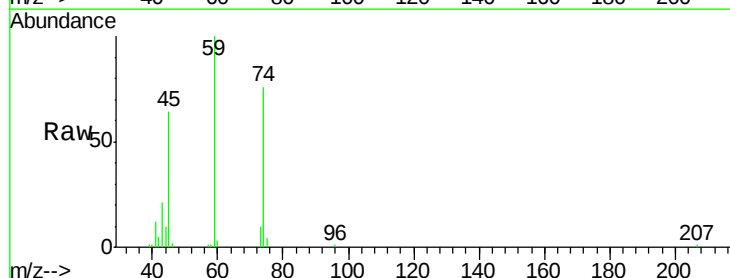
Tot Ion:101 Resp: 159167
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.2 75.4

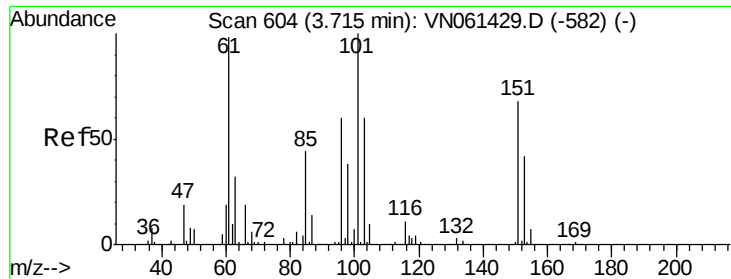


#8

Diethyl Ether
 Concen: 19.203 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 74 Resp: 42625
 Ion Ratio Lower Upper
 74 100
 45 82.9 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.781 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

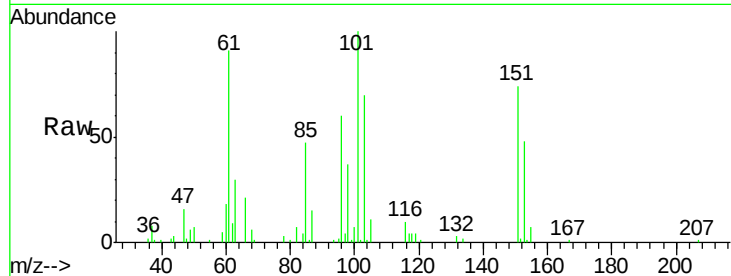
Tot Ion:101 Resp: 65855

Ion Ratio Lower Upper

101 100

85 45.3 36.6 55.0

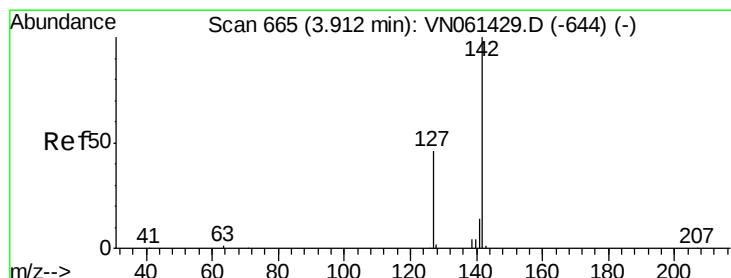
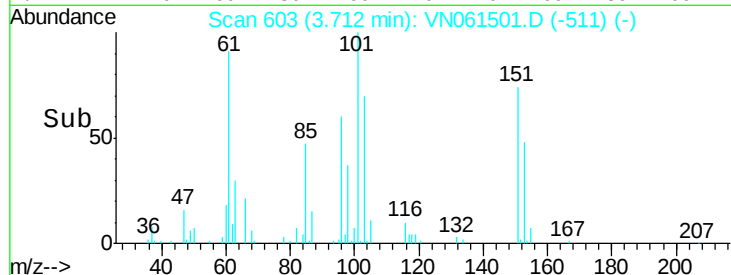
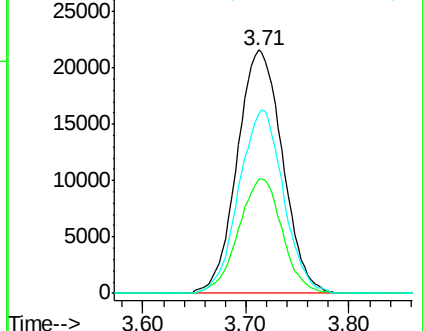
151 73.9 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.146 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

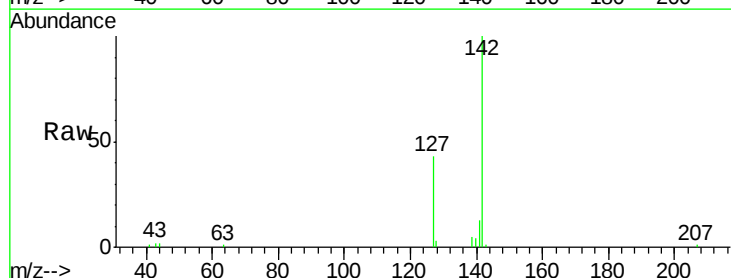
Tgt Ion:142 Resp: 81389

Ion Ratio Lower Upper

142 100

127 44.4 36.7 55.1

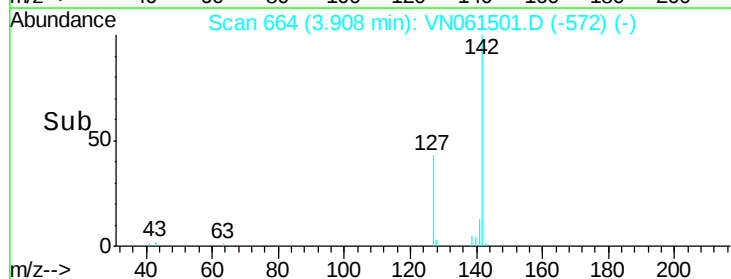
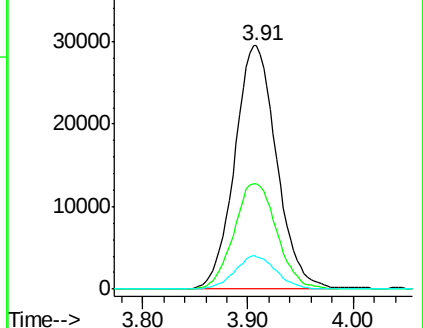
141 13.4 11.5 17.3

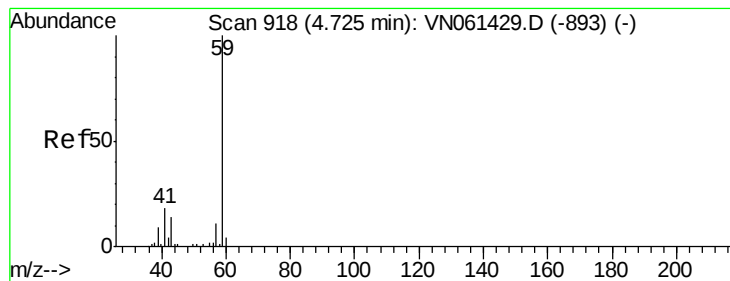


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



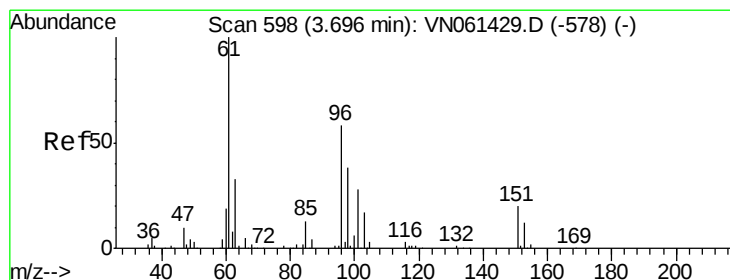
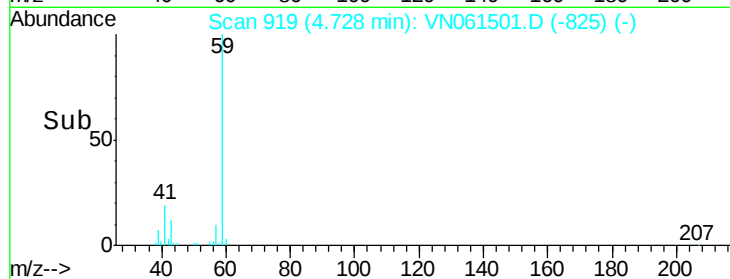
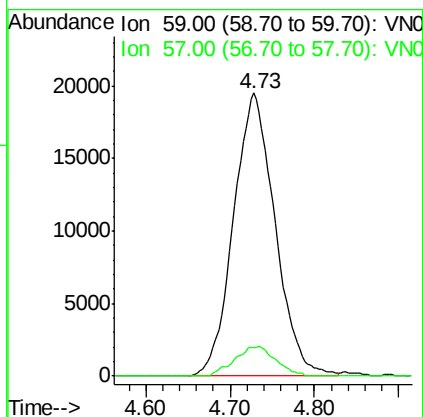
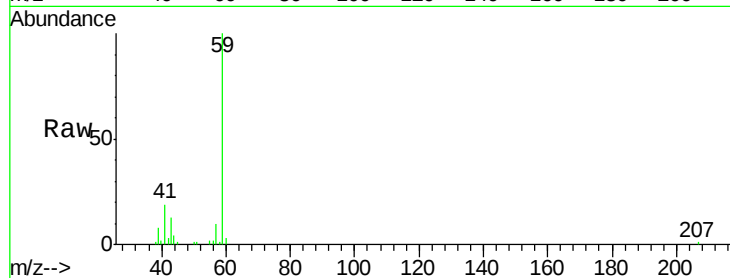


#11

Tert butyl alcohol
 Concen: 120.166 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

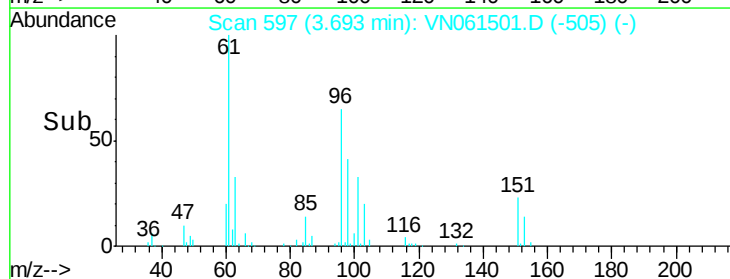
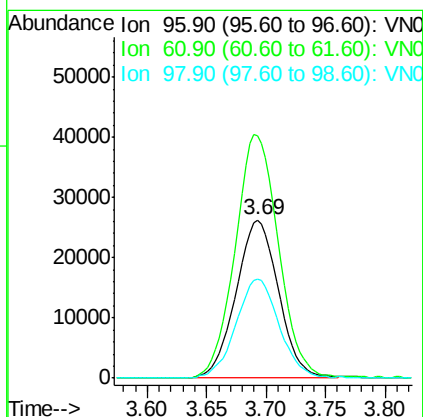
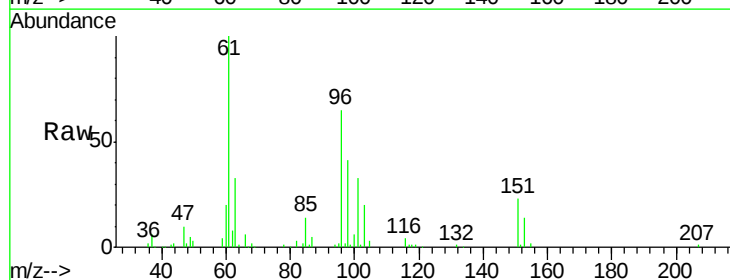
Tot Ion: 59 Resp: 66826
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

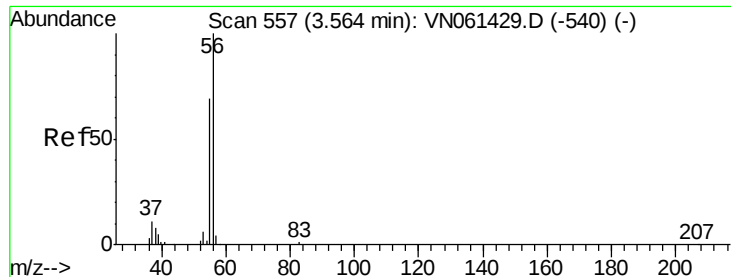


#12

1,1-Dichloroethene
 Concen: 19.630 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 96 Resp: 65070
 Ion Ratio Lower Upper
 96 100
 61 153.0 138.7 208.1
 98 62.7 53.0 79.6





#13

Acrolein

Concen: 42.345 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

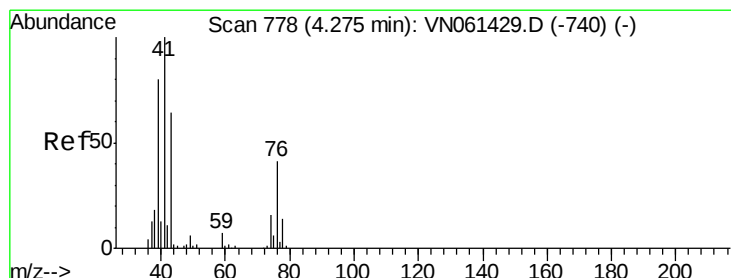
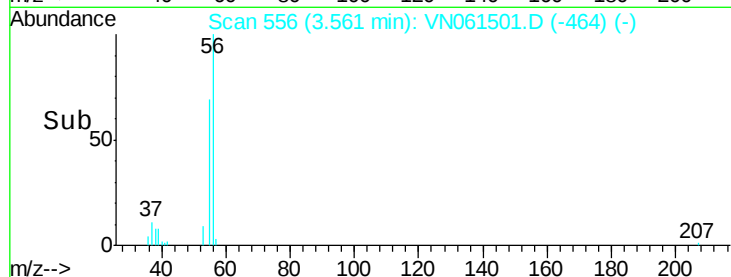
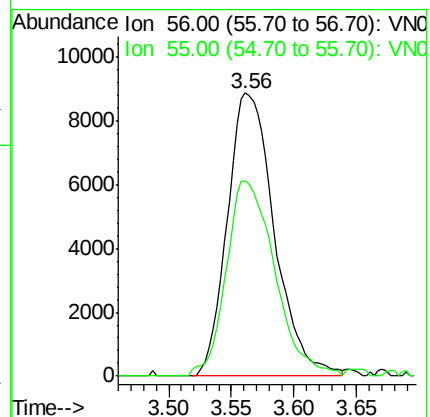
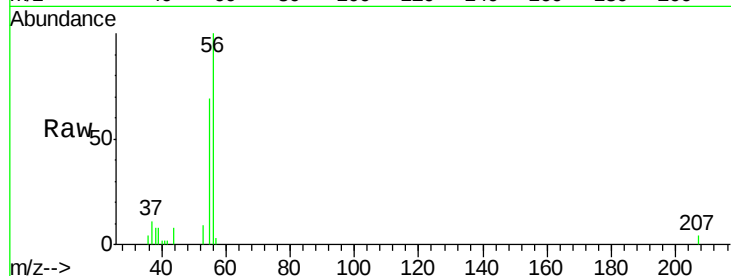
VN0520WBS01

Tot Ion: 56 Resp: 23153

Ion Ratio Lower Upper

56 100

55 71.0 54.8 82.2



#14

Allyl chloride

Concen: 17.903 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

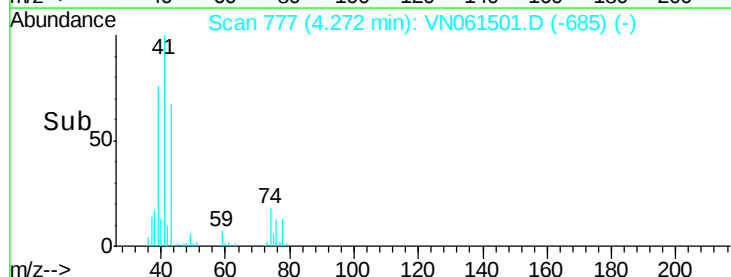
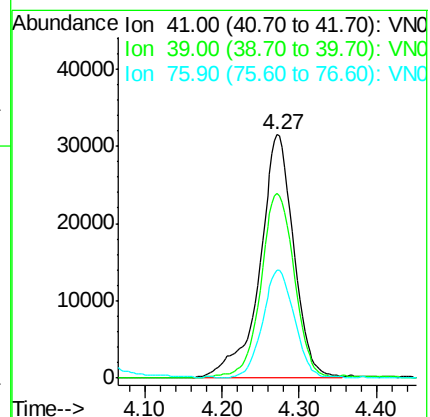
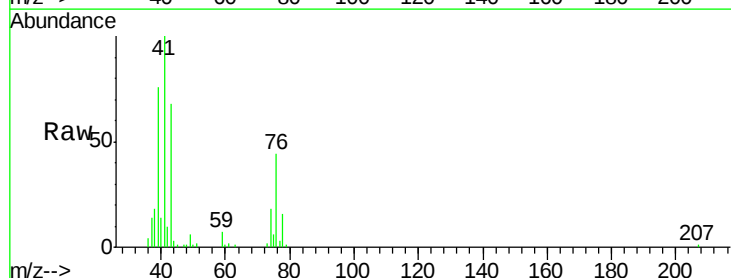
Tgt Ion: 41 Resp: 96578

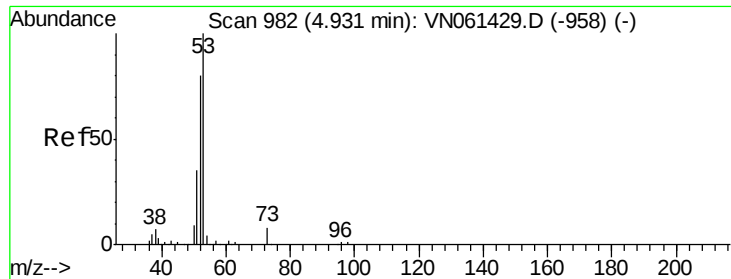
Ion Ratio Lower Upper

41 100

39 74.6 61.2 91.8

76 41.1 29.9 44.9





#15

Acrylonitrile

Concen: 92.557 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

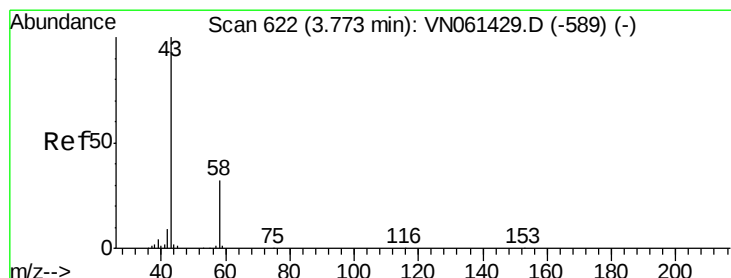
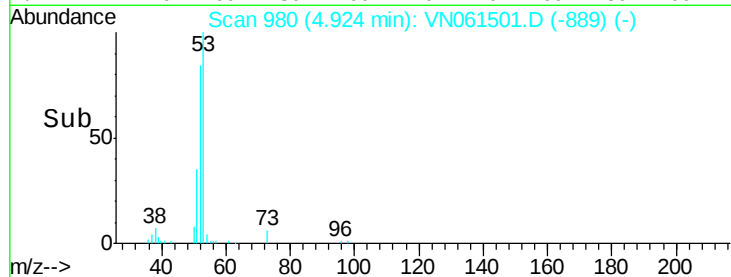
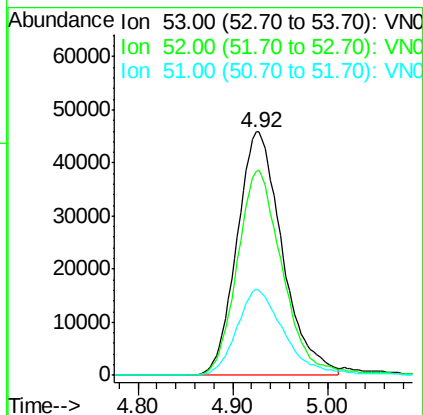
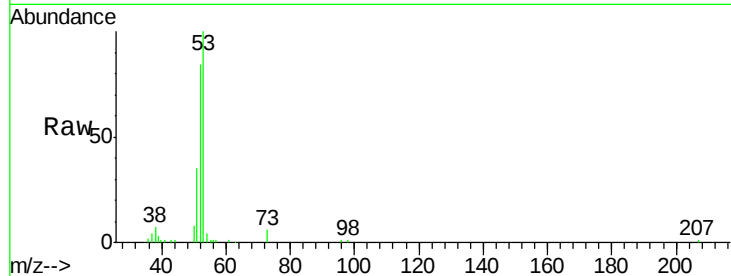
Tot Ion: 53 Resp: 152495

Ion Ratio Lower Upper

53 100

52 83.9 64.7 97.1

51 37.0 29.5 44.3



#16

Acetone

Concen: 102.844 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061501.D

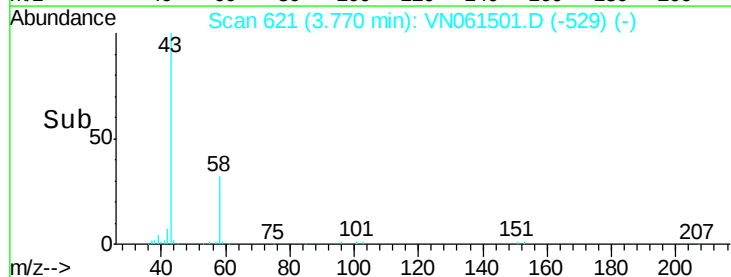
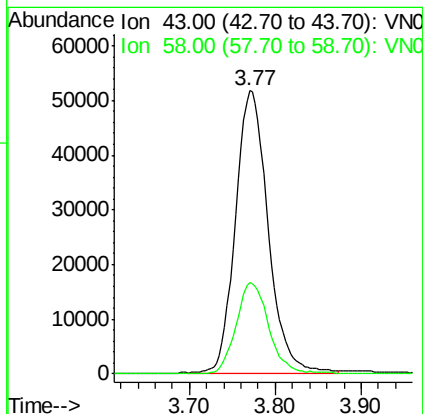
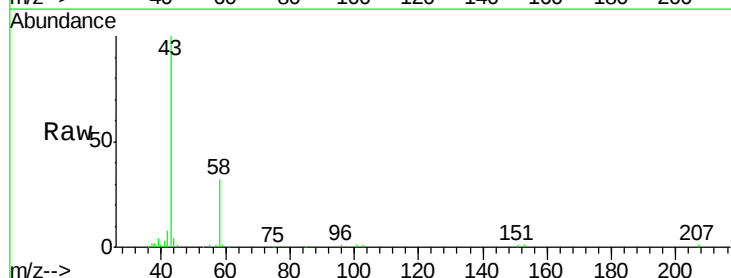
Acq: 20 May 2020 15:23

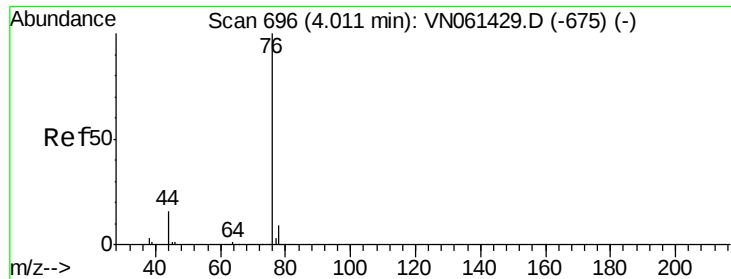
Tgt Ion: 43 Resp: 135302

Ion Ratio Lower Upper

43 100

58 32.3 25.6 38.4

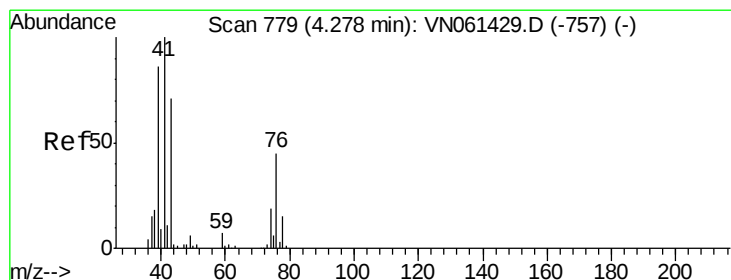
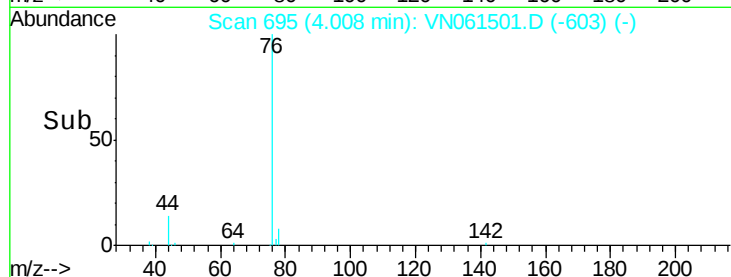
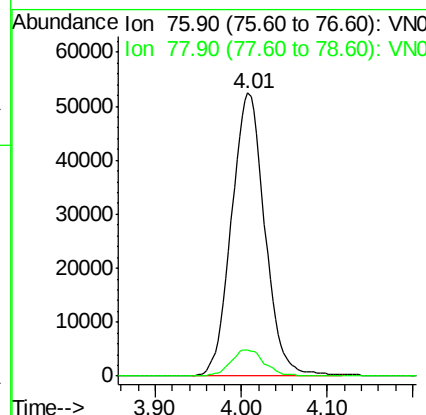
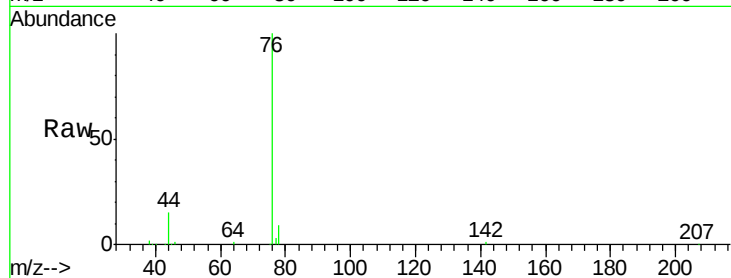




#17
Carbon Disulfide
Concen: 17.817 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

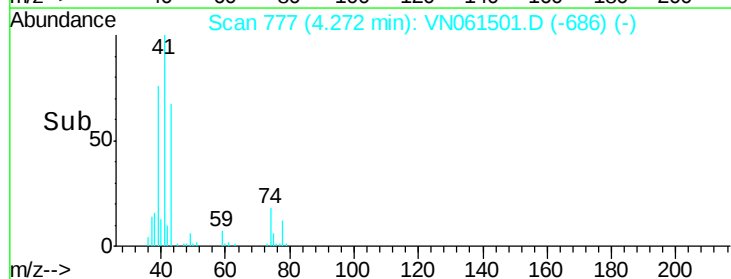
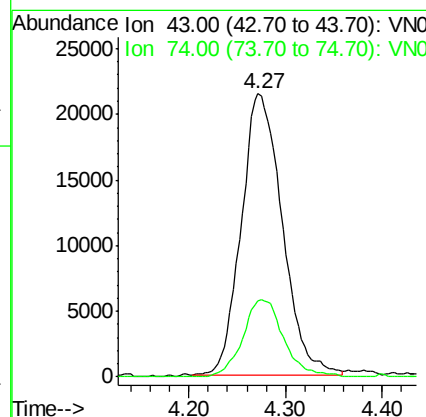
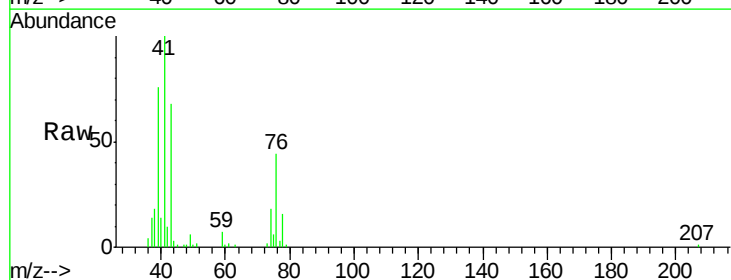
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

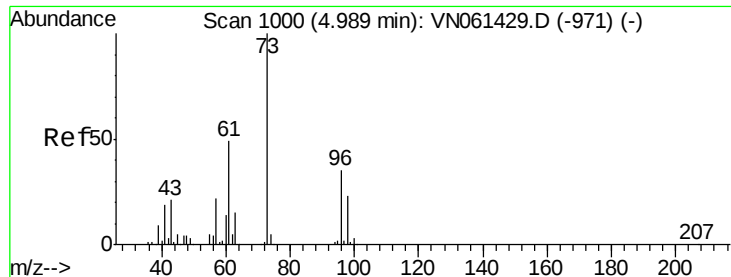
Tot Ion: 76 Resp: 141372
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 18.319 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 43 Resp: 62879
Ion Ratio Lower Upper
43 100
74 27.4 20.8 31.2

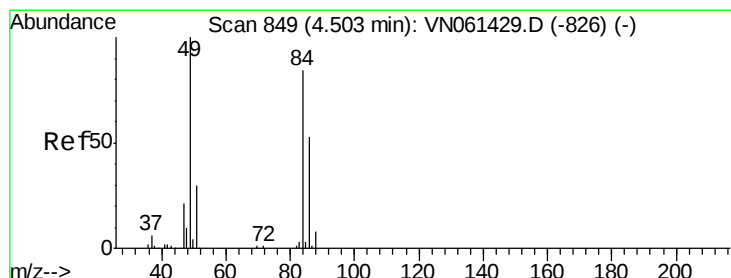
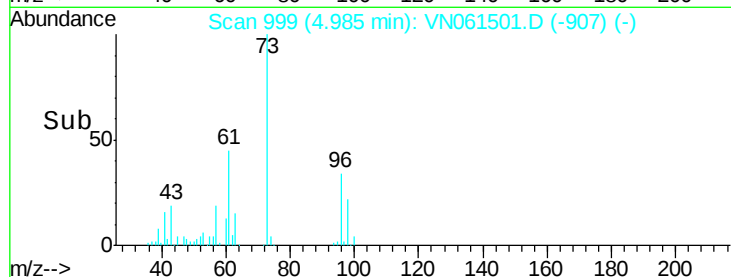
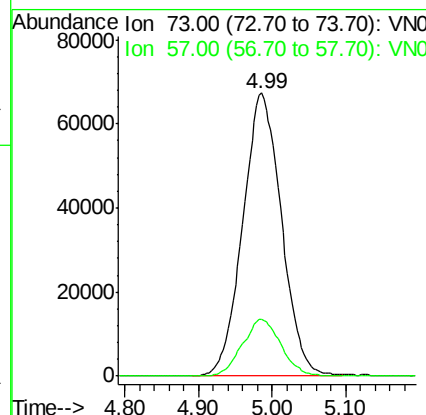
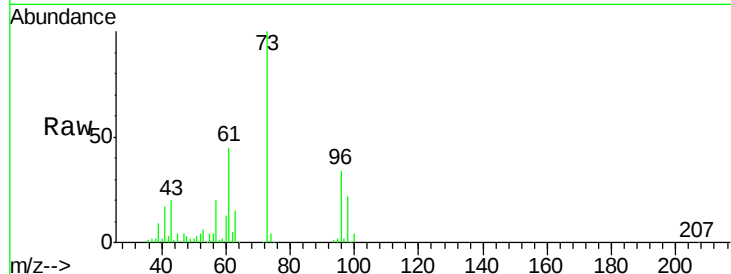




#19
Methyl tert-butyl Ether
Concen: 19.544 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

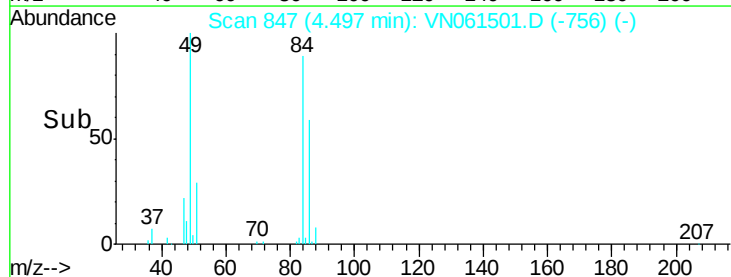
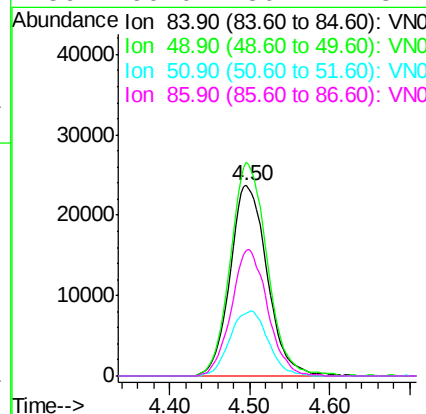
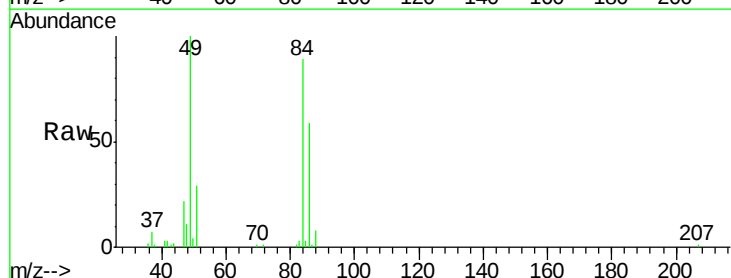
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

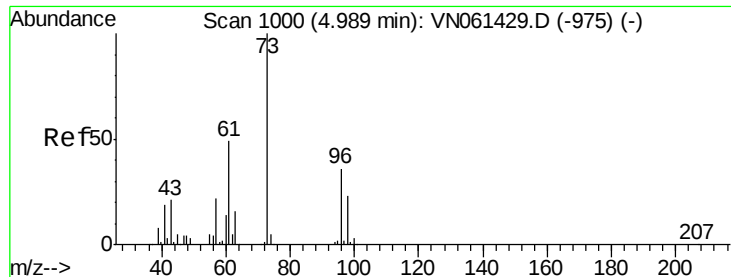
Tot Ion: 73 Resp: 245849
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0



#20
Methylene Chloride
Concen: 18.881 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 84 Resp: 74895
Ion Ratio Lower Upper
84 100
49 112.3 95.3 142.9
51 32.7 29.0 43.6
86 66.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.468 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

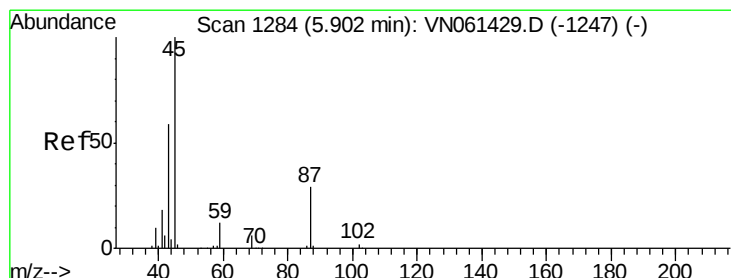
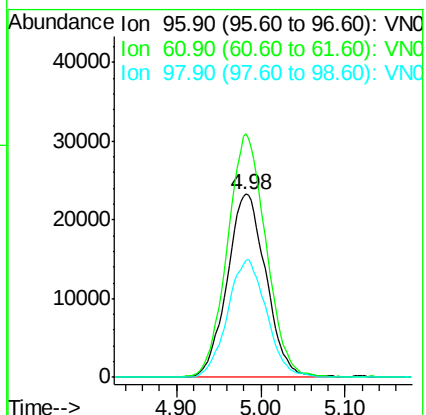
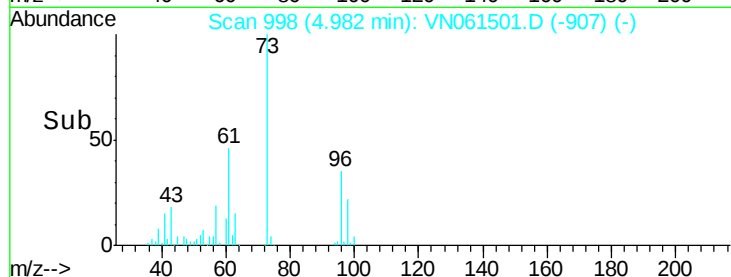
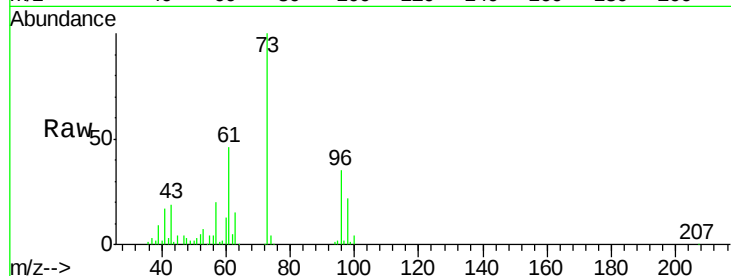
Tot Ion: 96 Resp: 74414

Ion Ratio Lower Upper

96 100

61 132.5 109.8 164.6

98 64.1 52.4 78.6



#22

Diisopropyl ether

Concen: 17.834 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion: 45 Resp: 216190

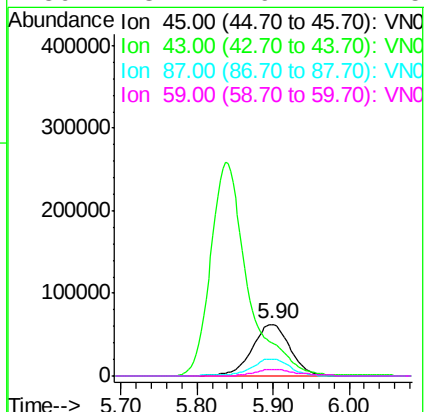
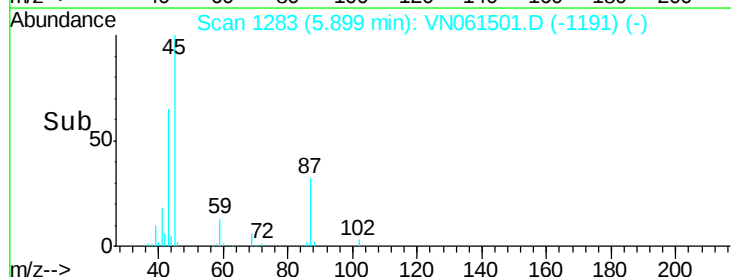
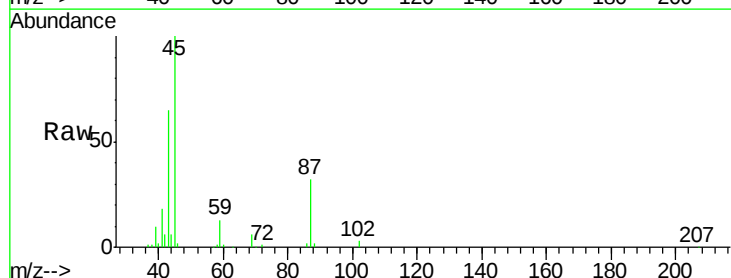
Ion Ratio Lower Upper

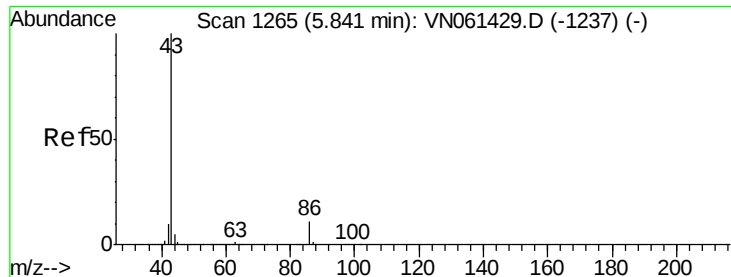
45 100

43 62.8 47.9 71.9

87 32.3 24.0 36.0

59 13.1 9.7 14.5





#23

Vinyl Acetate

Concen: 91.178 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

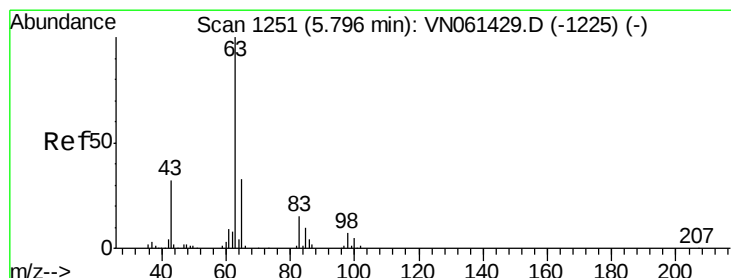
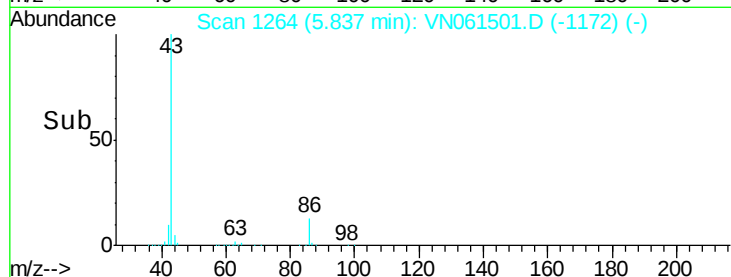
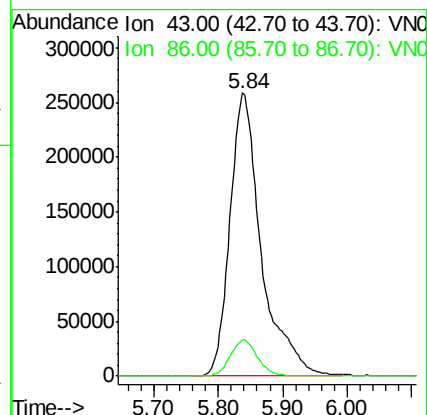
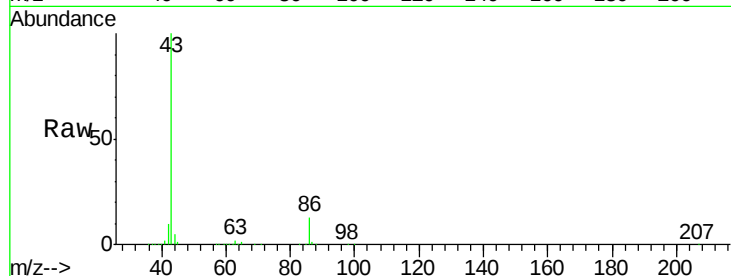
VN0520WBS01

Tot Ion: 43 Resp: 878951

Ion Ratio Lower Upper

43 100

86 13.0 9.1 13.7



#24

1,1-Dichloroethane

Concen: 18.715 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

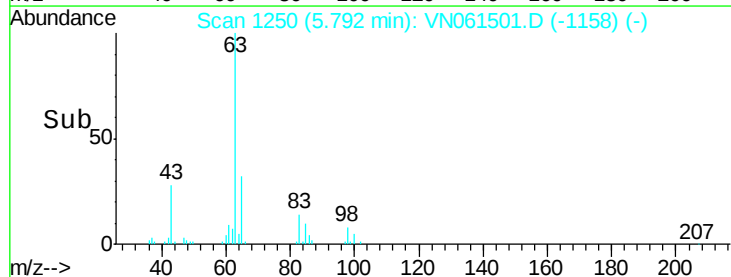
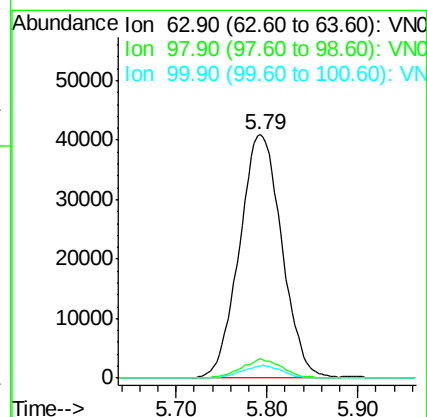
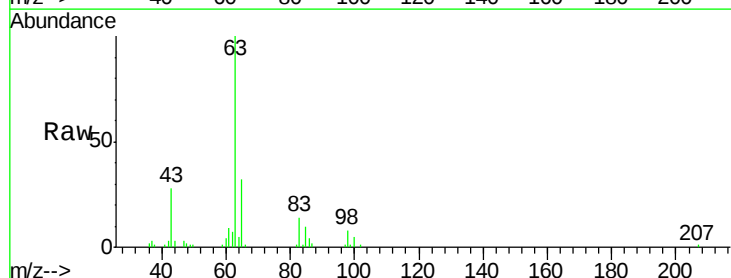
Tgt Ion: 63 Resp: 132326

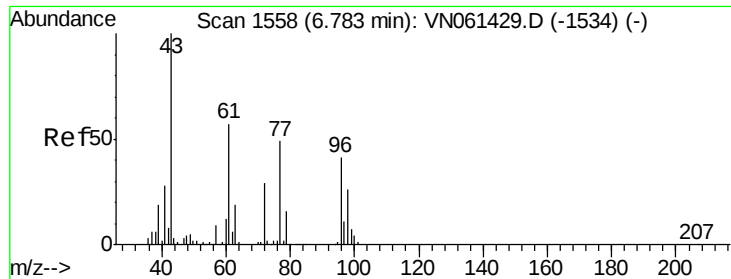
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 5.1 2.3 6.9





#25

2-Butanone

Concen: 95.288 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

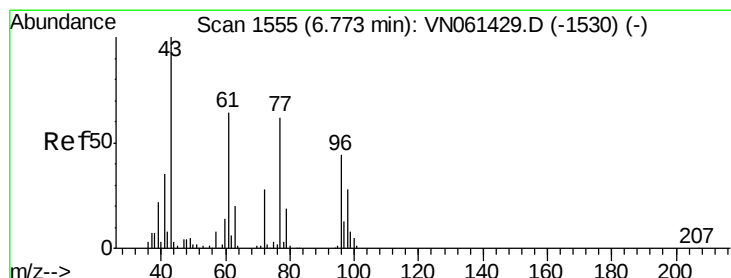
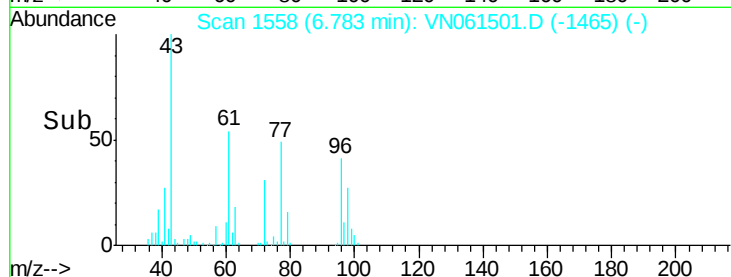
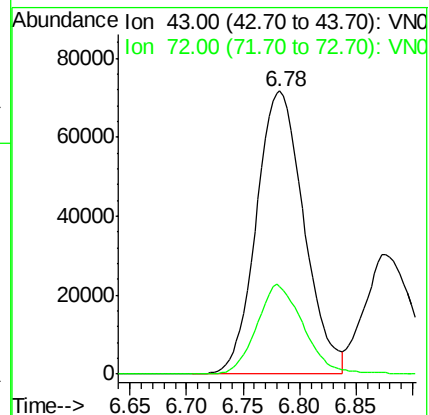
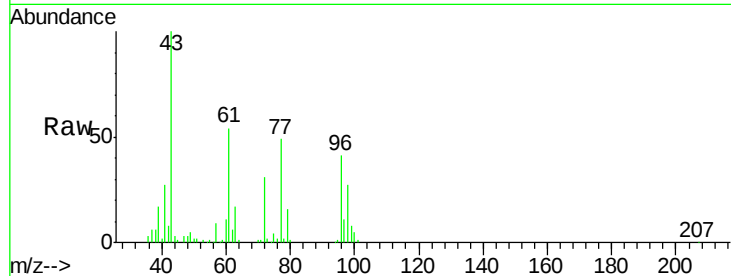
VN0520WBS01

Tot Ion: 43 Resp: 209397

Ion Ratio Lower Upper

43 100

72 30.8 23.0 34.6



#26

2,2-Dichloropropane

Concen: 19.413 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061501.D

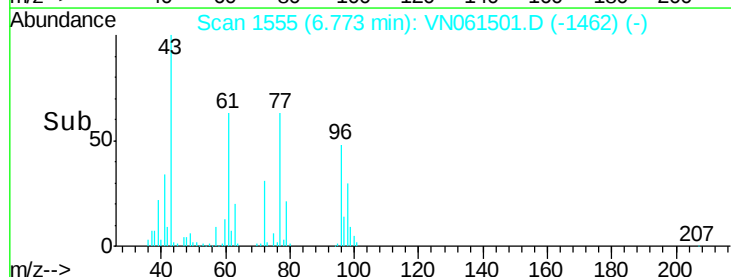
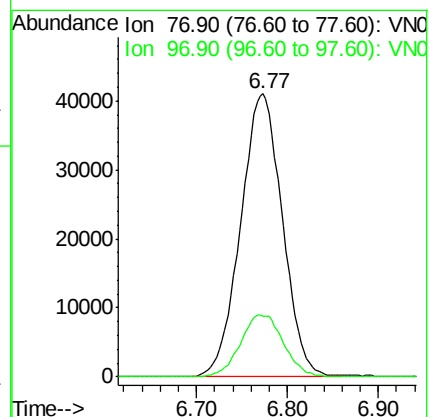
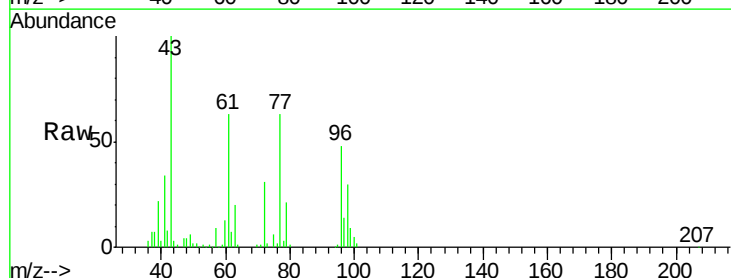
Acq: 20 May 2020 15:23

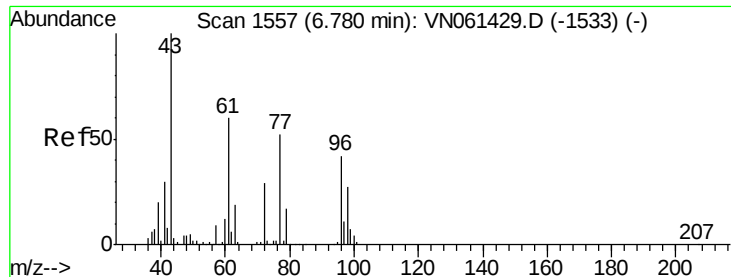
Tgt Ion: 77 Resp: 130852

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 20.272 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

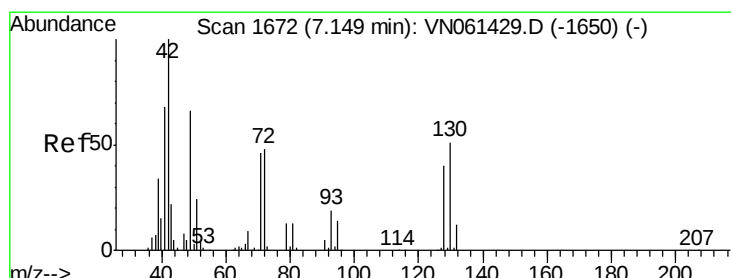
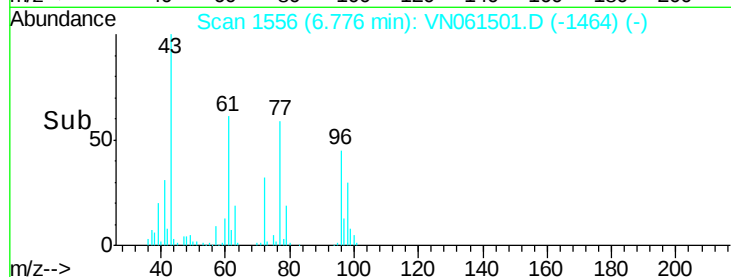
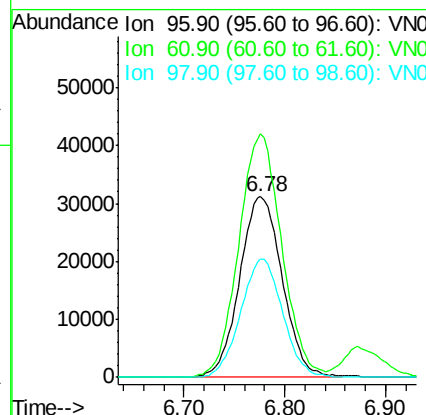
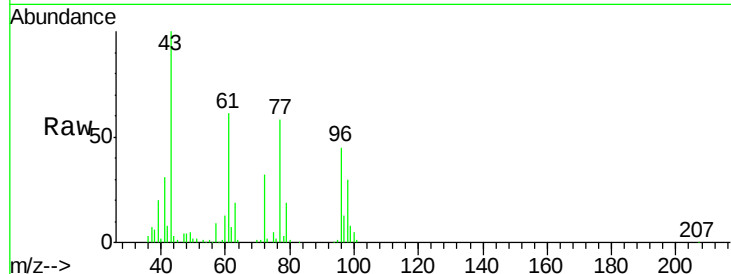
Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

Tot Ion: 96 Resp: 91529

Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	294.2
98	64.3	0.0	128.2



#28

Bromochloromethane

Concen: 18.254 ug/l

RT: 7.15 min Scan# 1672

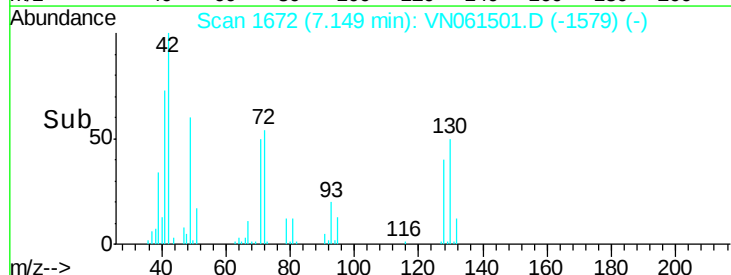
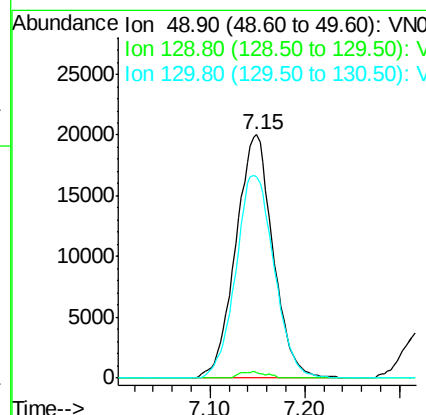
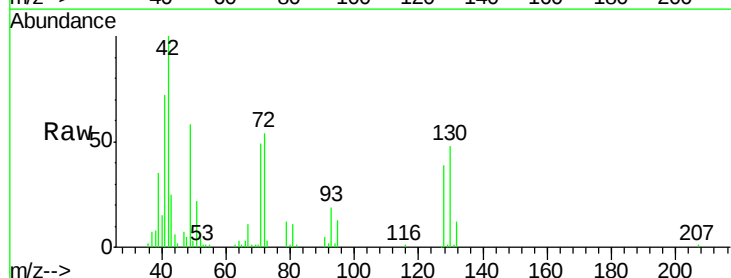
Delta R.T. -0.00 min

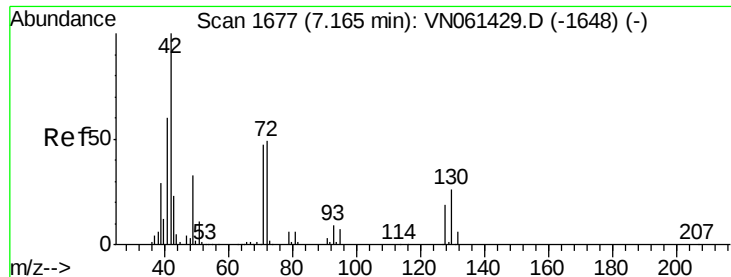
Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion: 49 Resp: 54786

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	86.0	62.2	93.2

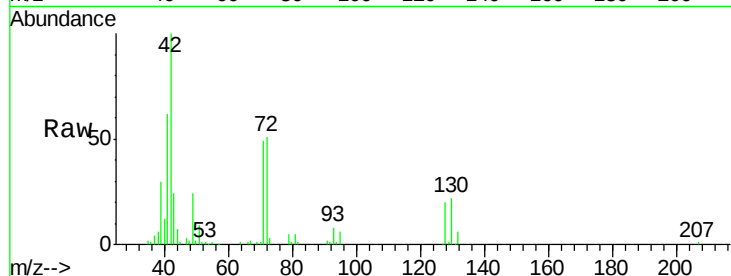




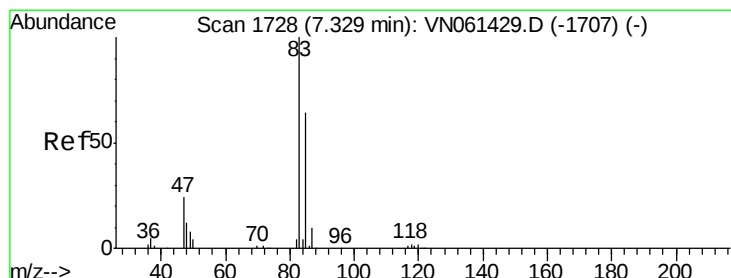
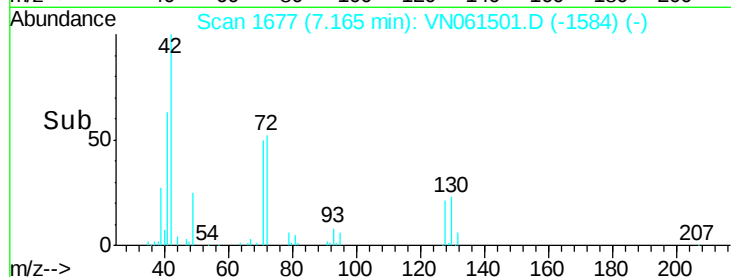
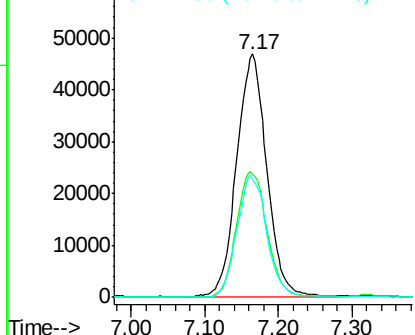
#29
Tetrahydrofuran
Concen: 92.501 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion: 42 Resp: 134622
Ion Ratio Lower Upper
42 100
72 52.2 39.0 58.6
71 49.2 36.9 55.3

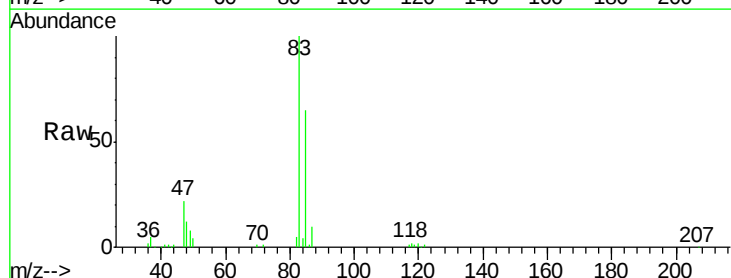


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

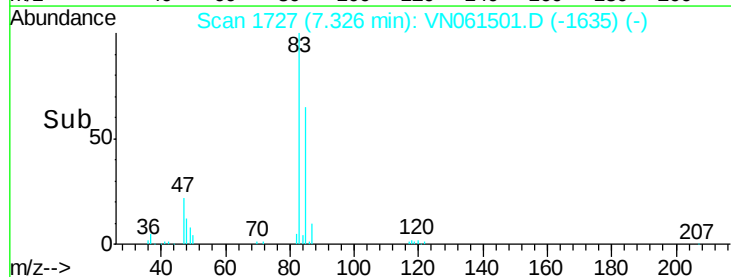
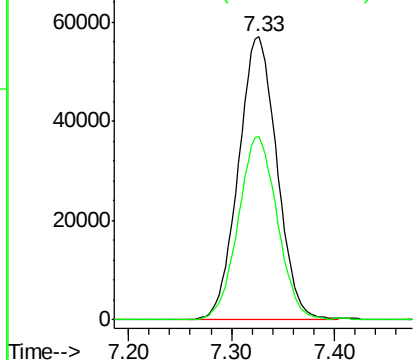


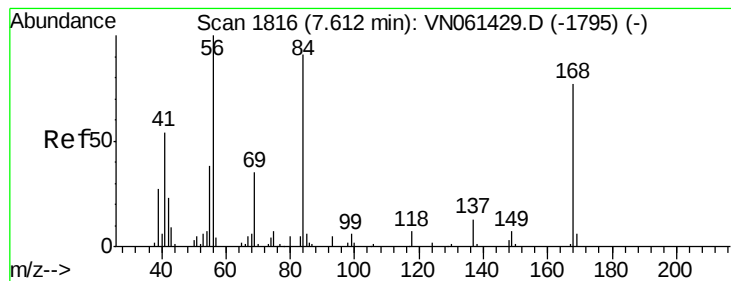
#30
Chloroform
Concen: 20.113 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 83 Resp: 148534
Ion Ratio Lower Upper
83 100
85 64.8 51.0 76.4



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





#31

Cyclohexane

Concen: 16.787 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

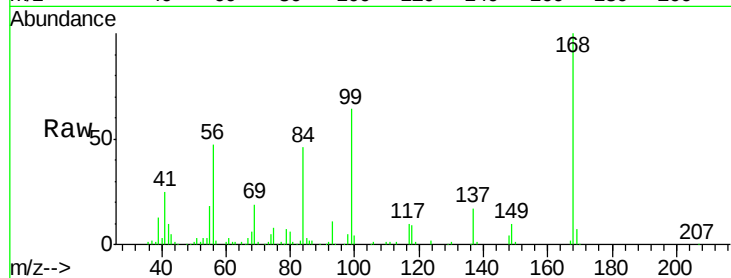
Tot Ion: 56 Resp: 116781

Ion Ratio Lower Upper

56 100

69 39.4 27.8 41.6

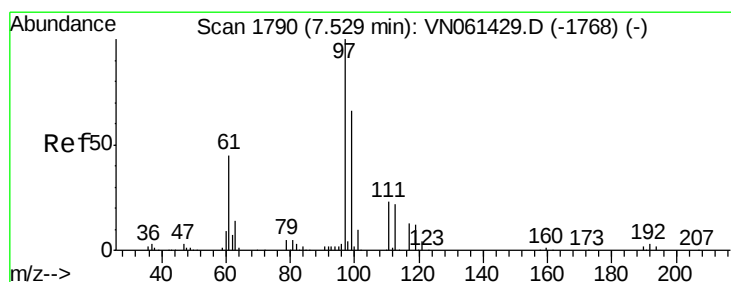
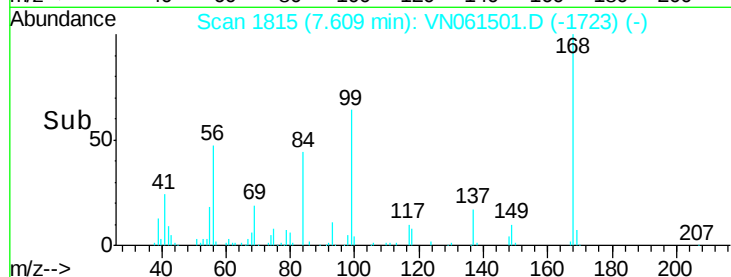
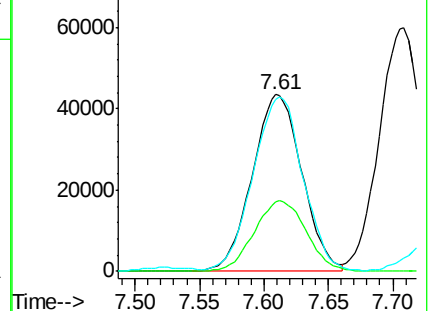
84 96.0 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.821 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

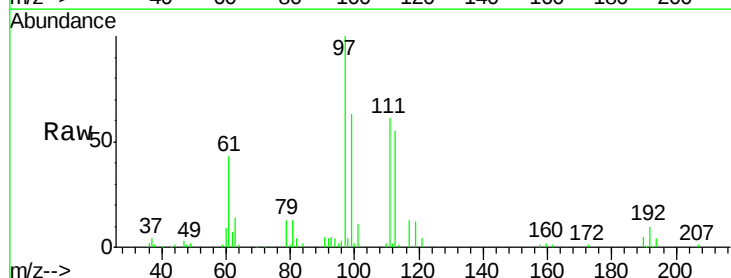
Tgt Ion: 97 Resp: 133762

Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

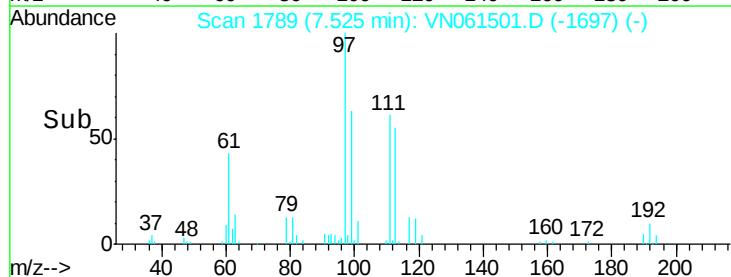
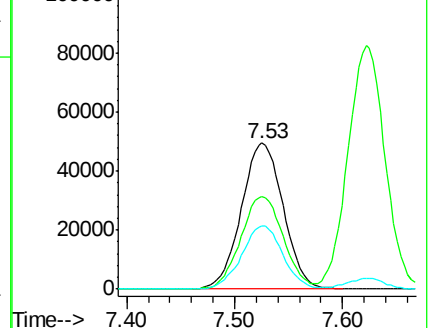
61 42.7 35.8 53.6

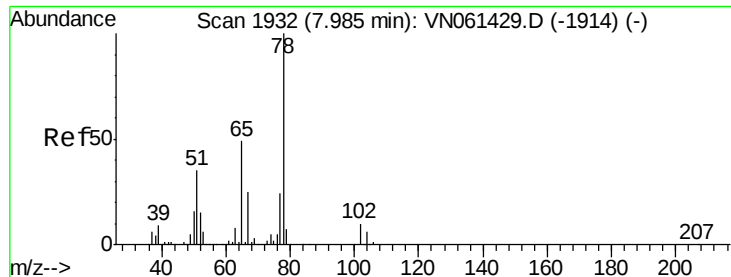


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 44.705 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

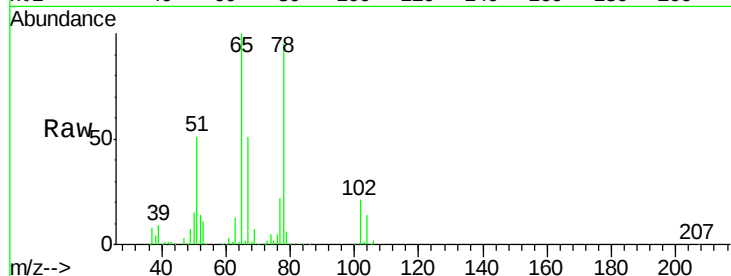
VN0520WBS01

Tot Ion: 65 Resp: 215767

Ion Ratio Lower Upper

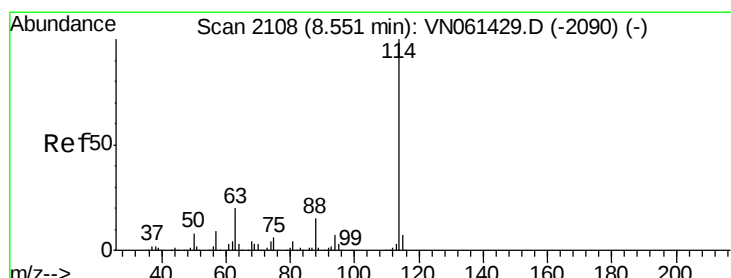
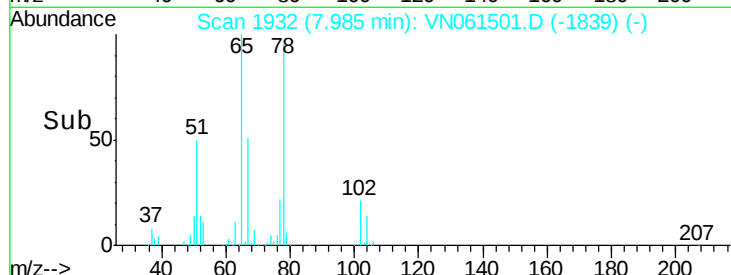
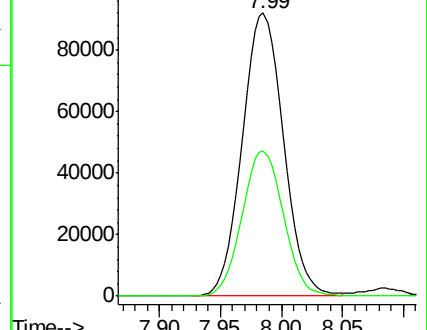
65 100

67 51.6 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN061429.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061429.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

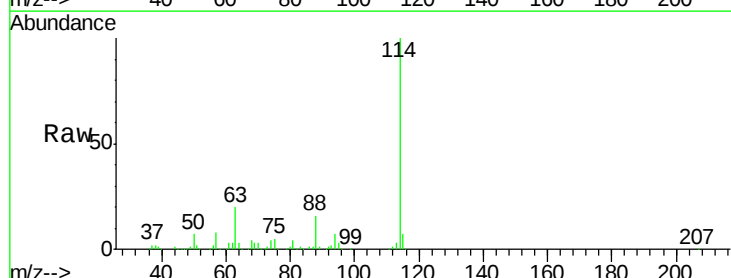
Tgt Ion: 114 Resp: 569356

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

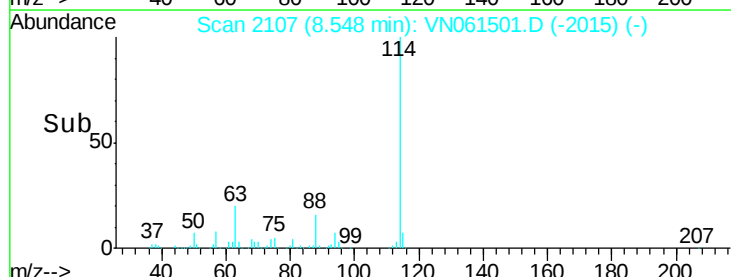
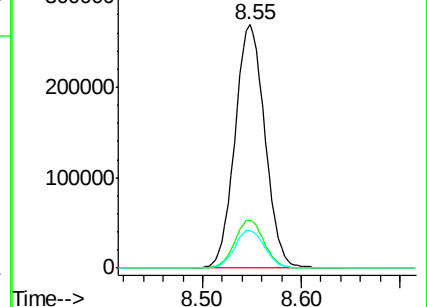
88 15.6 0.0 30.8

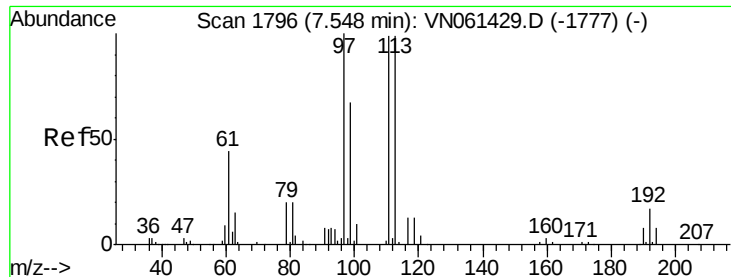


Abundance Ion 113.90 (113.60 to 114.60): VN061429.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN061429.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN061429.D (-2090) (-)

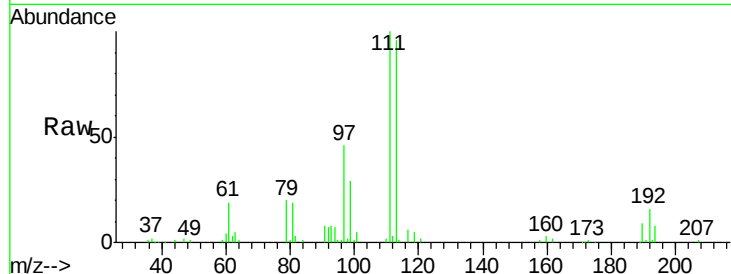




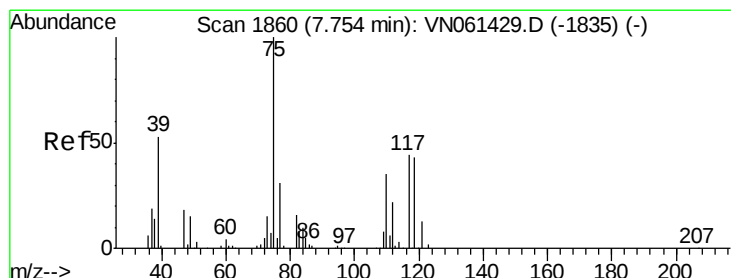
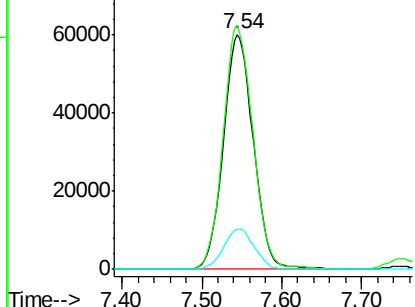
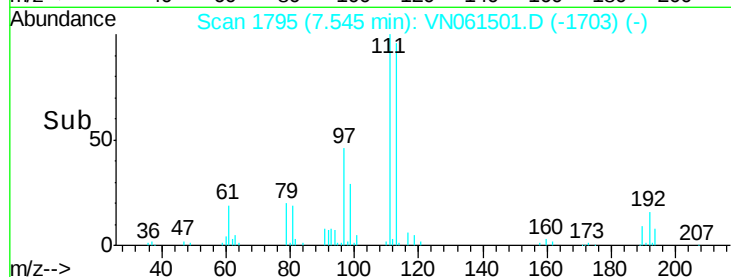
#35
 Dibromofluoromethane
 Concen: 51.312 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion:113 Resp: 153049
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.6 121.0
 192 17.5 13.2 19.8

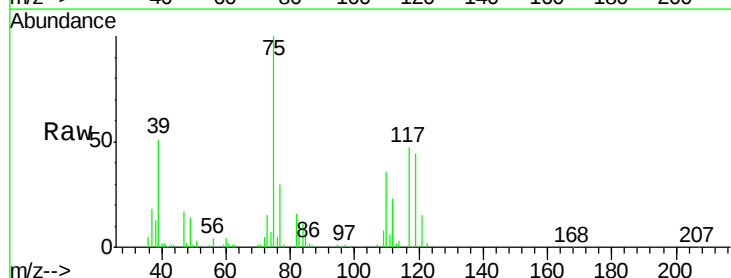


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

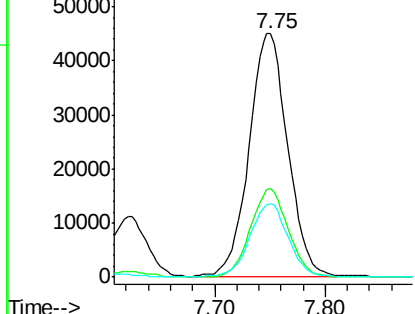
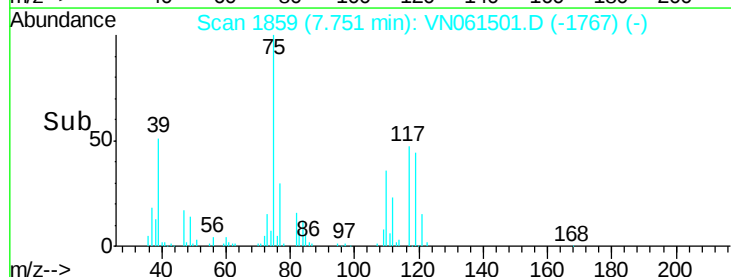


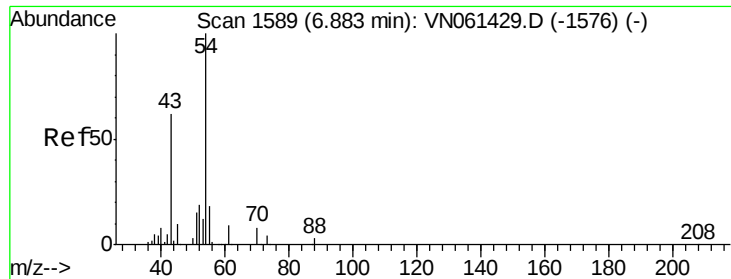
#36
 1,1-Dichloropropene
 Concen: 20.563 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 75 Resp: 109474
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.3 51.9
 77 30.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

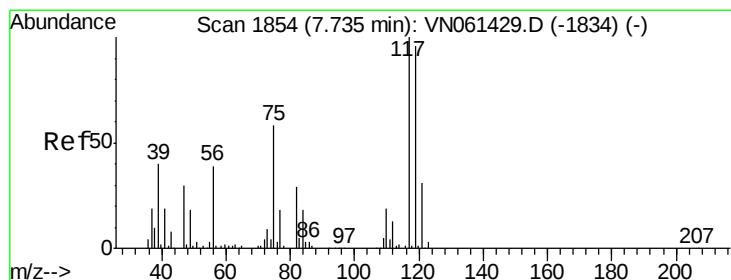
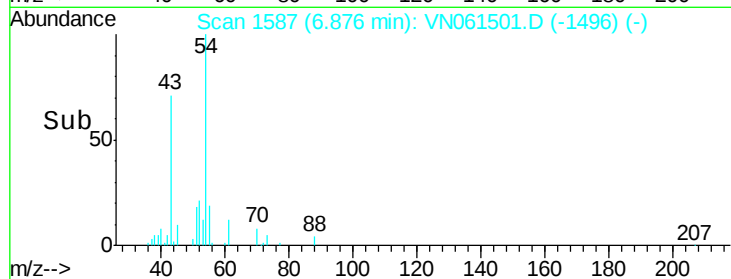
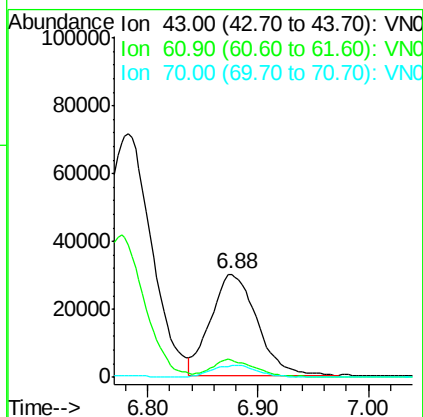
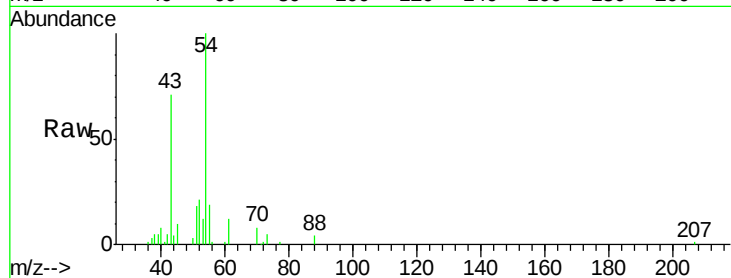




#37
Ethyl Acetate
Concen: 18.137 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

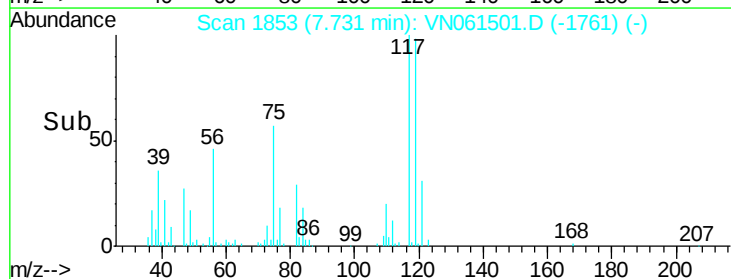
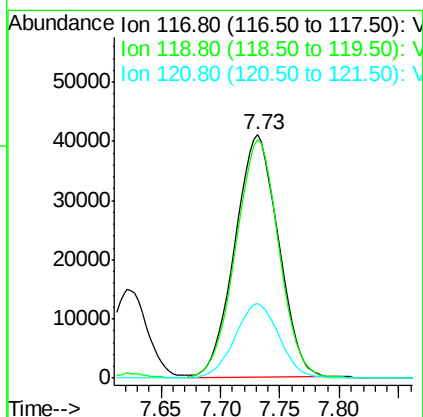
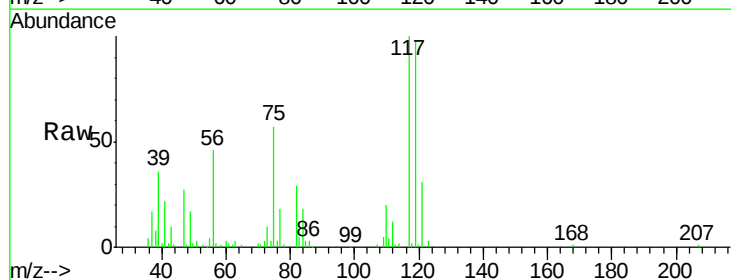
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

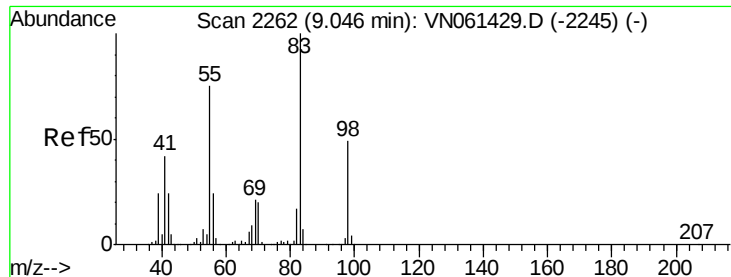
Tot Ion: 43 Resp: 87564
Ion Ratio Lower Upper
43 100
61 16.7 11.7 17.5
70 12.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 21.169 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 117 Resp: 103775
Ion Ratio Lower Upper
117 100
119 98.6 77.0 115.6
121 30.8 24.7 37.1

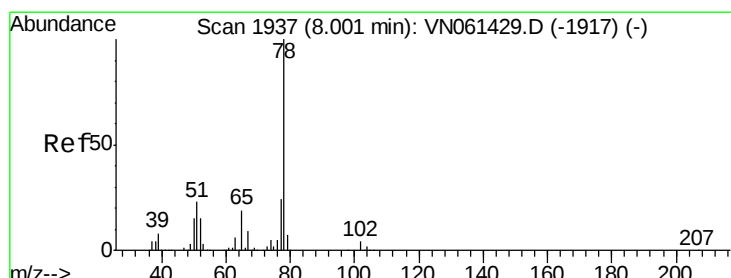
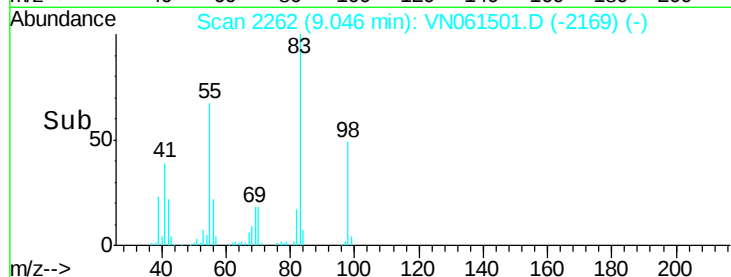
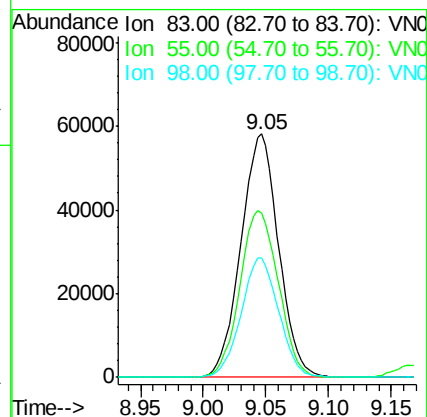
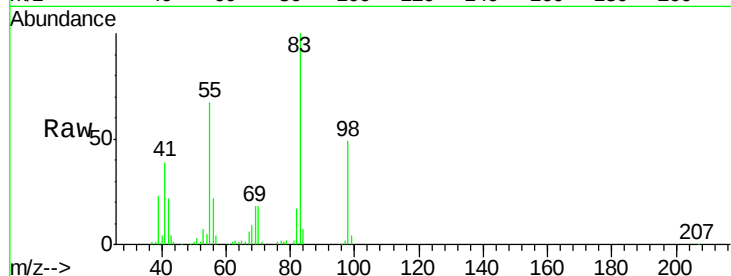




#39
Methvlcvclohexane
Concen: 18.699 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

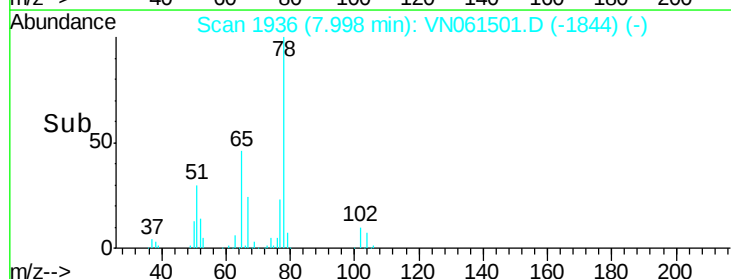
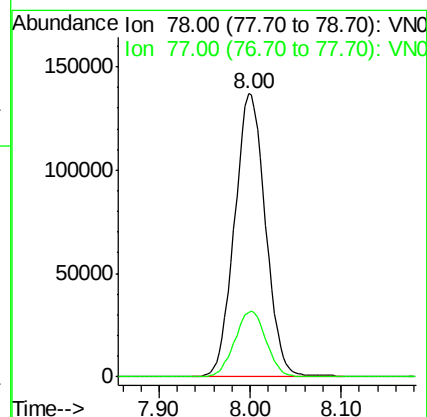
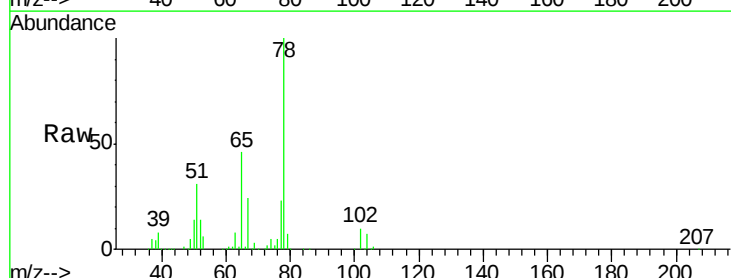
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

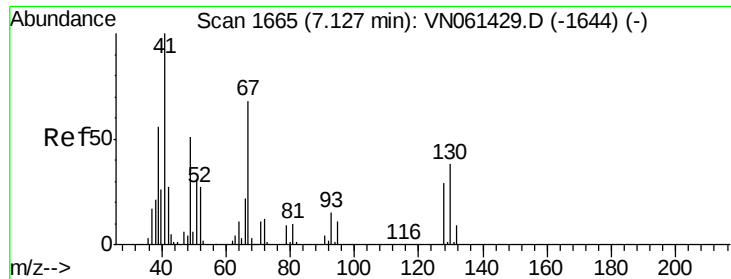
Tot Ion: 83 Resp: 121591
Ion Ratio Lower Upper
83 100
55 67.5 59.7 89.5
98 48.9 38.9 58.3



#40
Benzene
Concen: 20.174 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 78 Resp: 323664
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7

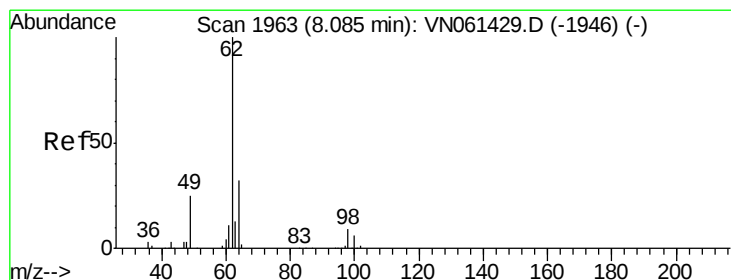
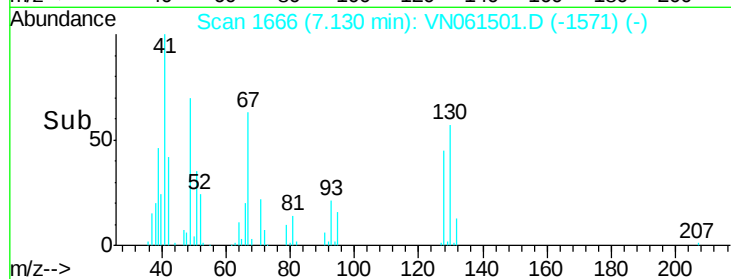
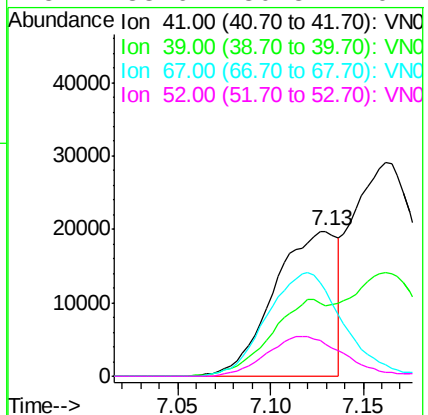
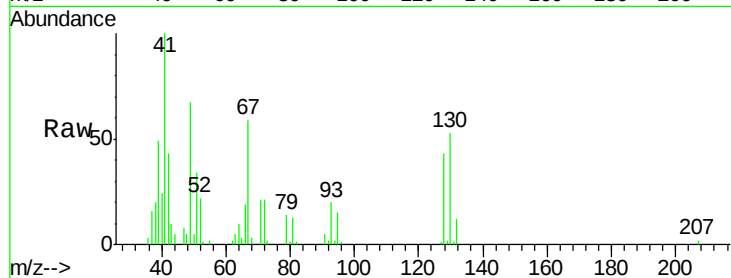




#41
Methacrylonitrile
Concen: 22.907 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

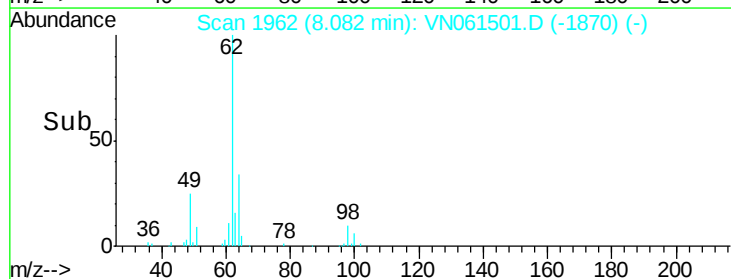
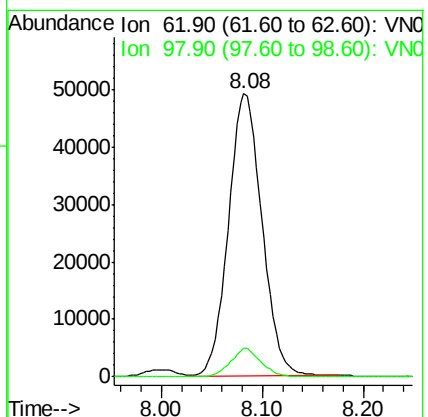
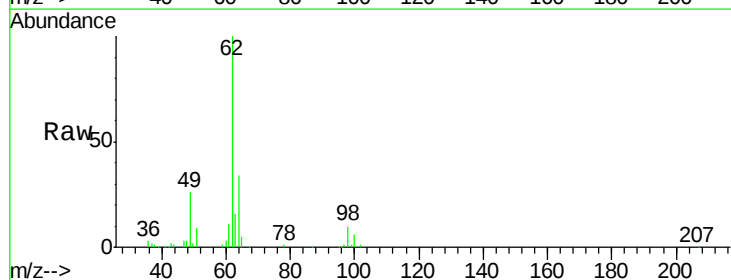
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

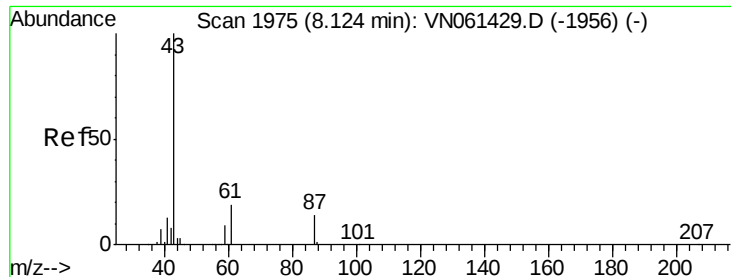
Tot Ion: 41 Resp: 46712
Ion Ratio Lower Upper
41 100
39 45.8 48.3 72.5#
67 86.8 74.2 111.4
52 33.6 30.8 46.2



#42
1,2-Dichloroethane
Concen: 19.665 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 62 Resp: 113669
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.063 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

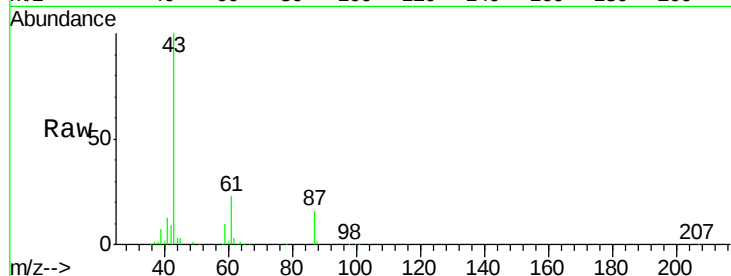
Tot Ion: 43 Resp: 160527

Ion Ratio Lower Upper

43 100

61 23.0 23.0 34.4

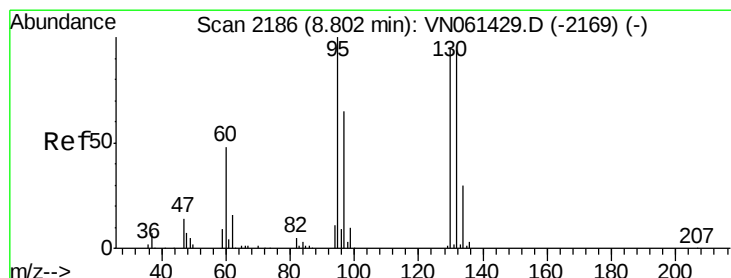
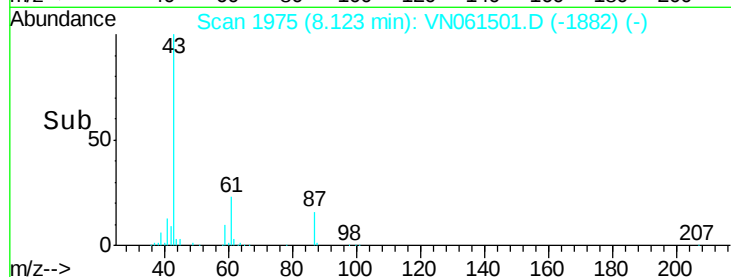
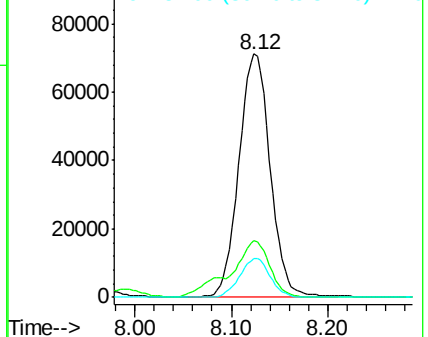
87 15.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



#44

Trichloroethene

Concen: 21.909 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061501.D

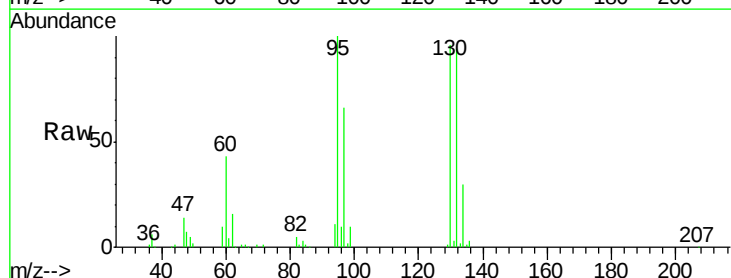
Acq: 20 May 2020 15:23

Tgt Ion:130 Resp: 92101

Ion Ratio Lower Upper

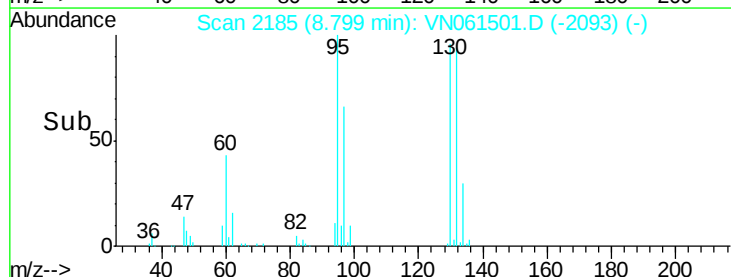
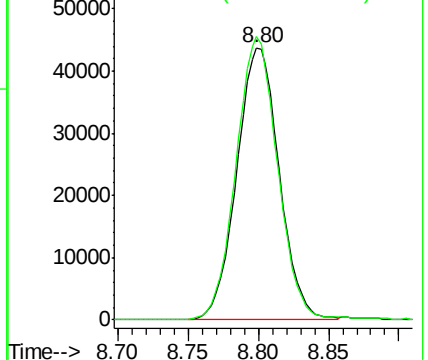
130 100

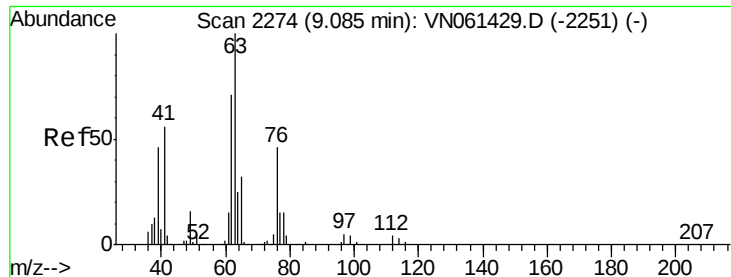
95 104.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 20.027 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

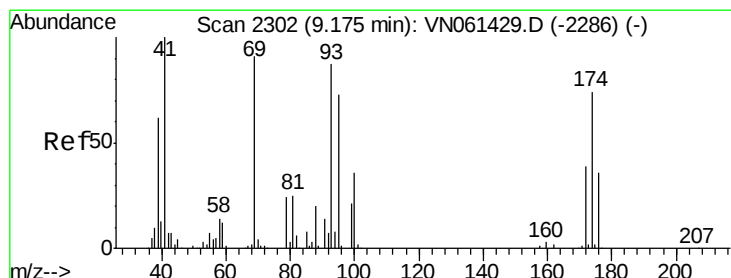
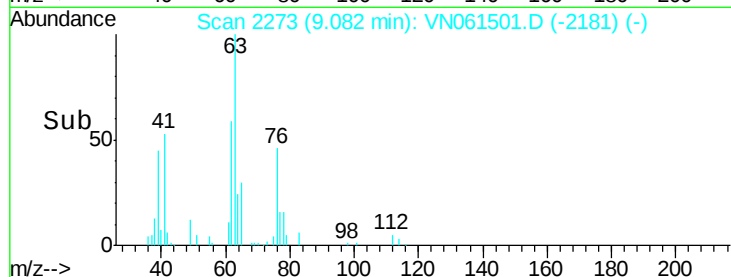
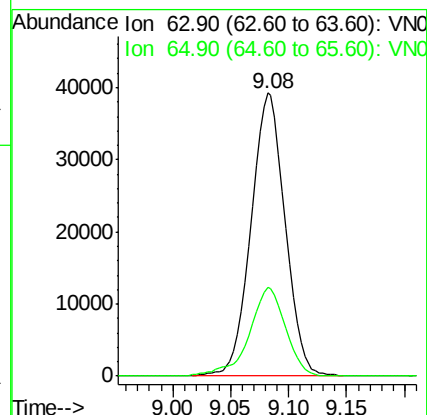
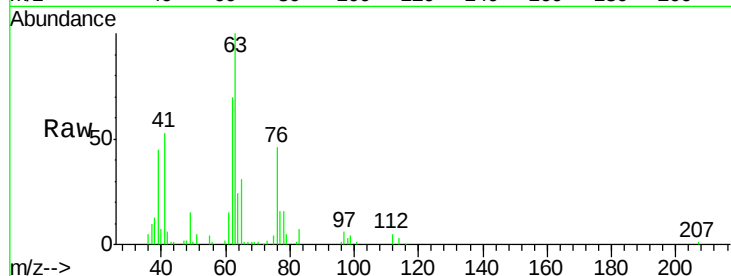
VN0520WBS01

Tot Ion: 63 Resp: 80423

Ion Ratio Lower Upper

63 100

65 31.3 25.2 37.8



#46

Dibromomethane

Concen: 20.619 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

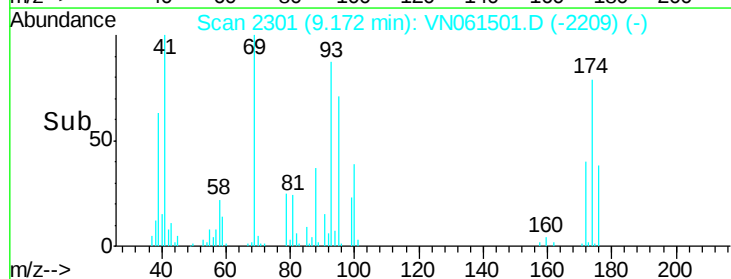
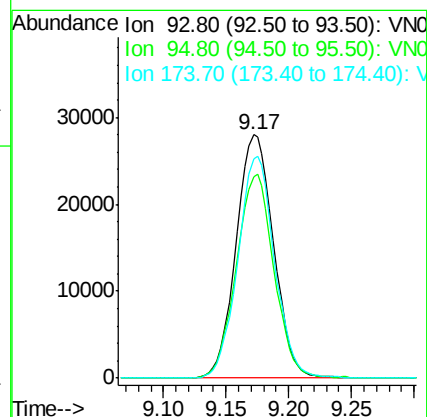
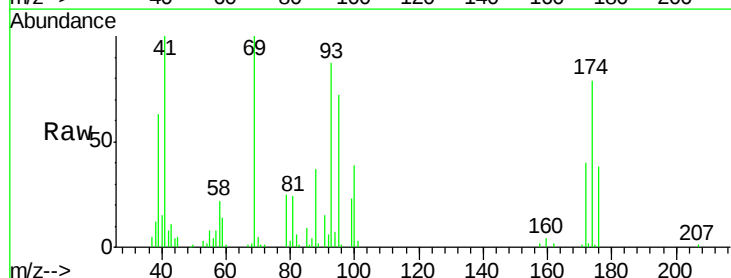
Tgt Ion: 93 Resp: 58046

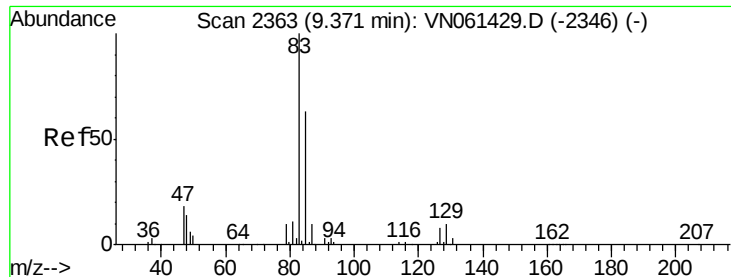
Ion Ratio Lower Upper

93 100

95 84.2 65.6 98.4

174 89.5 68.0 102.0





#47

Bromodichloromethane

Concen: 20.179 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

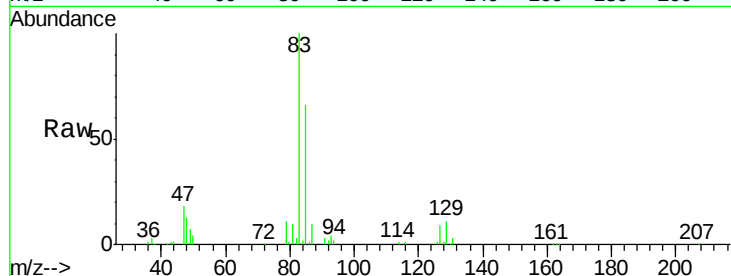
Tot Ion: 83 Resp: 119687

Ion Ratio Lower Upper

83 100

85 66.1 50.6 76.0

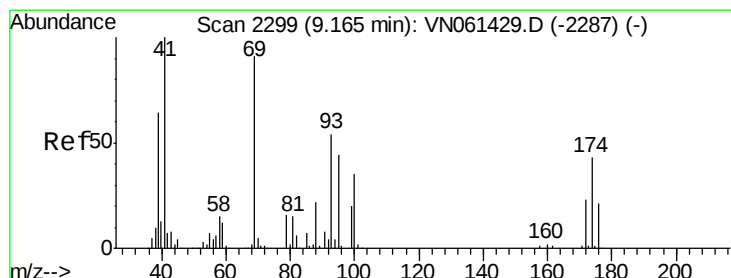
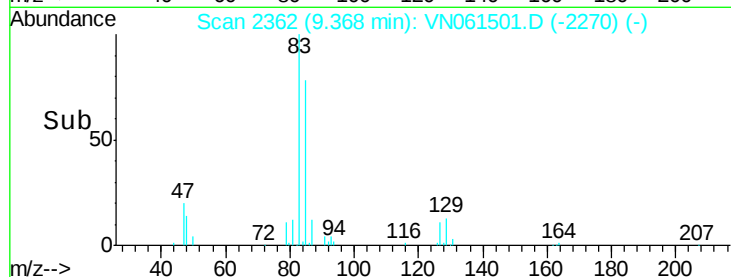
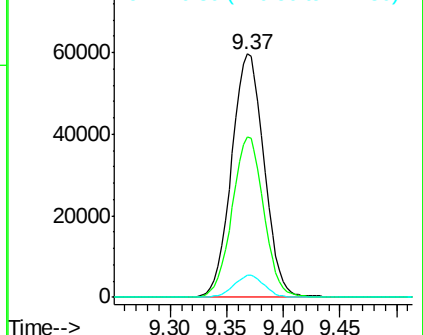
127 9.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061501.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061501.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061501.D (-2270) (-)



#48

Methyl methacrylate

Concen: 17.732 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

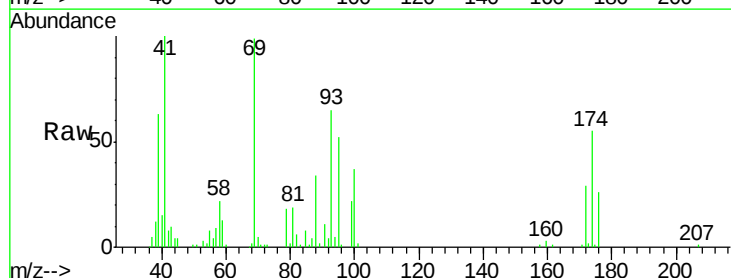
Tgt Ion: 41 Resp: 68977

Ion Ratio Lower Upper

41 100

69 102.5 75.3 112.9

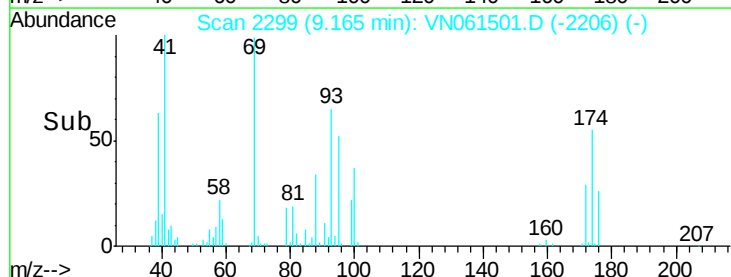
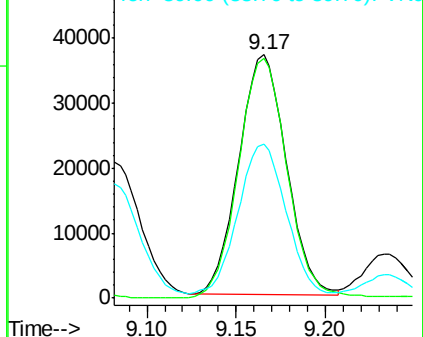
39 66.0 52.6 79.0

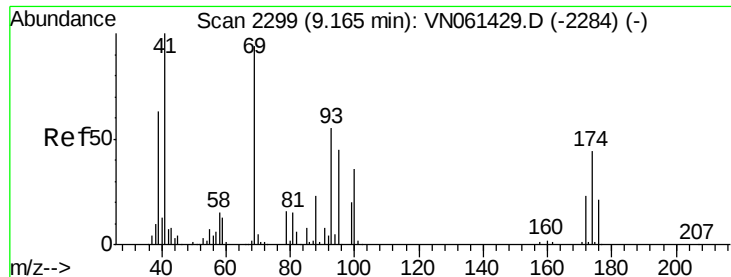


Abundance Ion 41.00 (40.70 to 41.70): VN061501.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061501.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061501.D (-2206) (-)

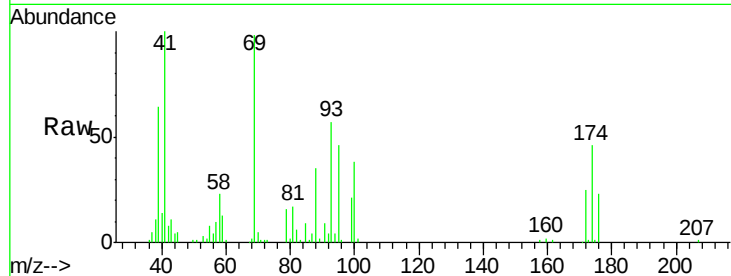




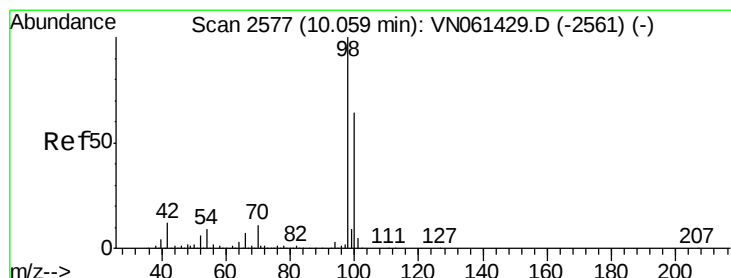
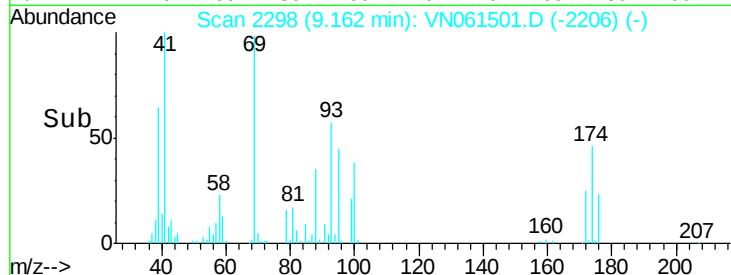
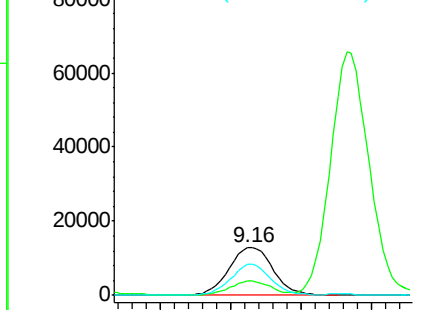
#49
 1,4-Dioxane
 Concen: 673.449 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

Tot Ion: 88 Resp: 28058
 Ion Ratio Lower Upper
 88 100
 43 29.3 26.3 39.5
 58 59.6 54.1 81.1

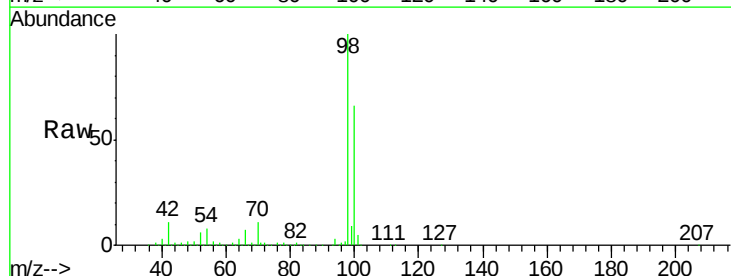


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

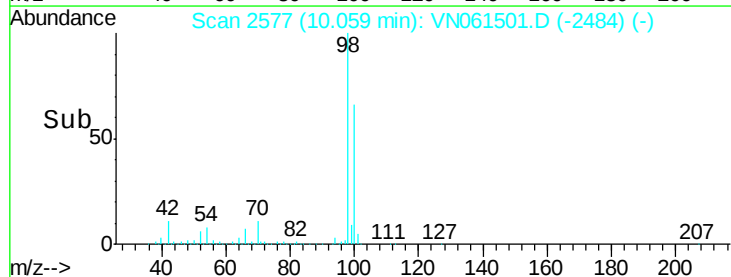
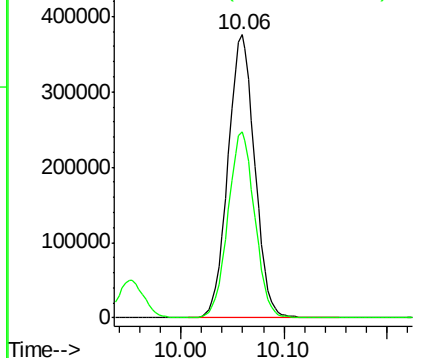


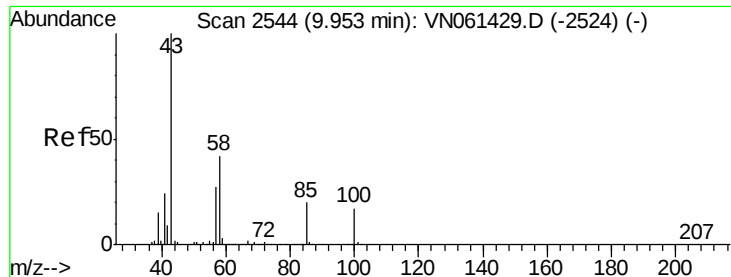
#50
 Toluene-d8
 Concen: 49.139 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 98 Resp: 679813
 Ion Ratio Lower Upper
 98 100
 100 65.5 51.8 77.8



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

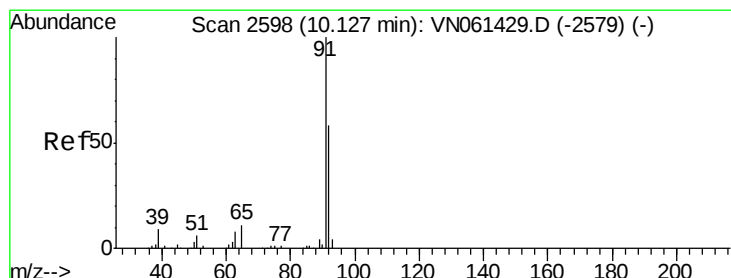
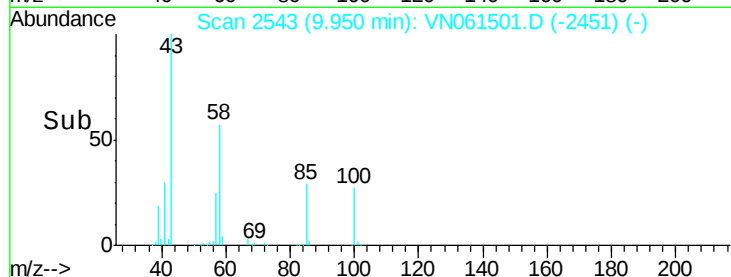
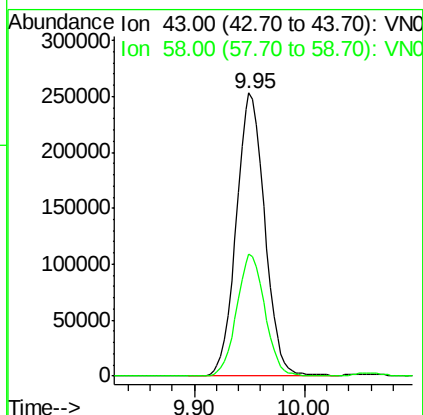
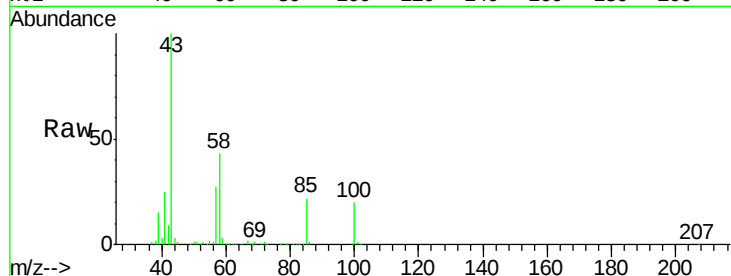




#51
 4-Methyl-2-Pentanone
 Concen: 98.885 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

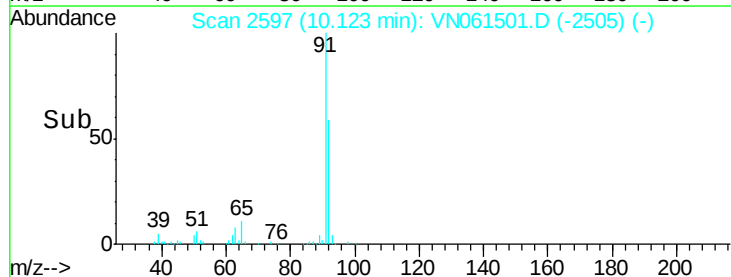
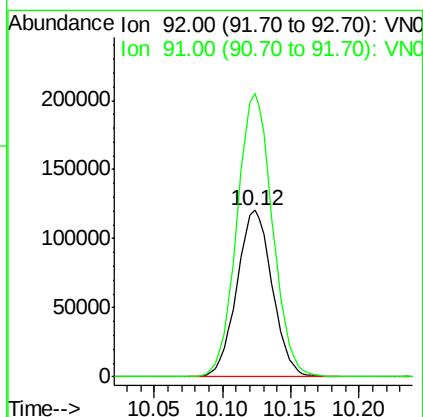
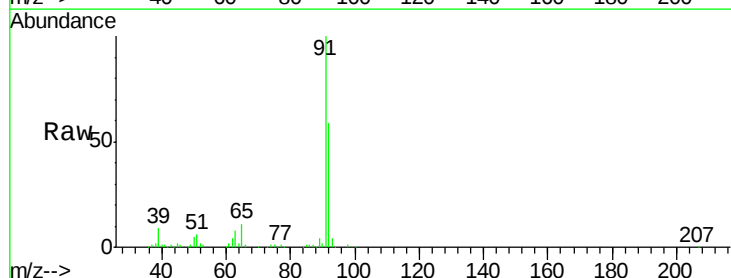
Instrument :
 MSVOA_N
 ClientSampled :
 VN0520WBS01

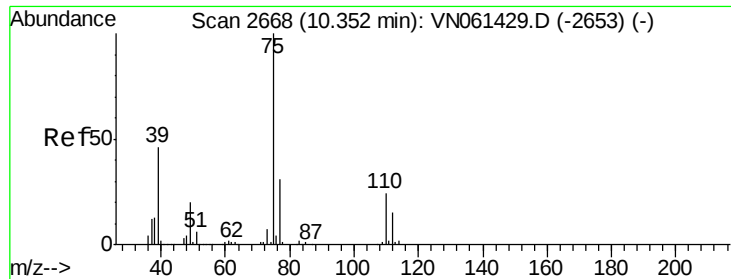
Tot Ion: 43 Resp: 453607
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.4 50.2



#52
 Toluene
 Concen: 21.117 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 92 Resp: 217509
 Ion Ratio Lower Upper
 92 100
 91 170.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 20.063 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

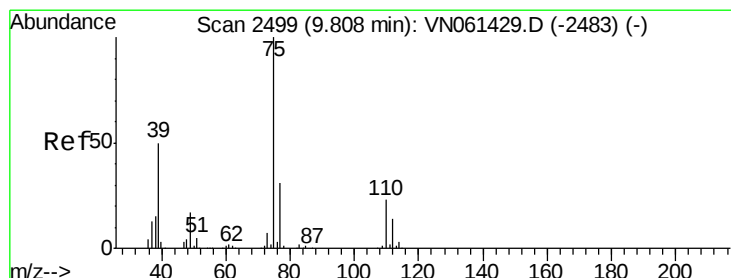
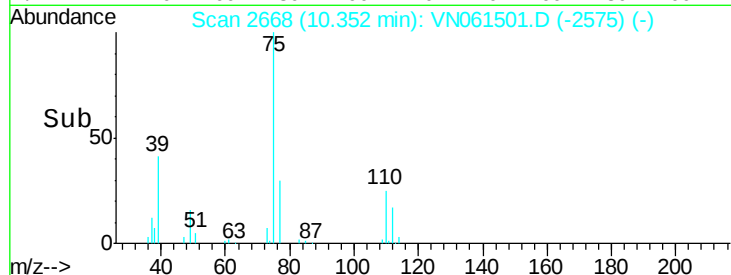
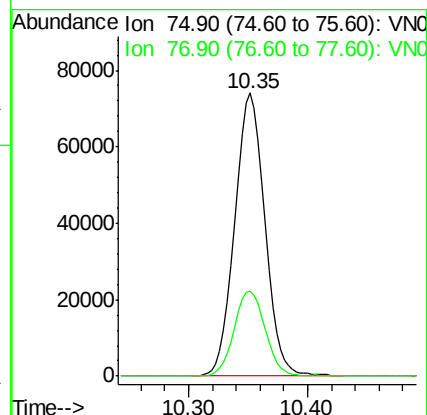
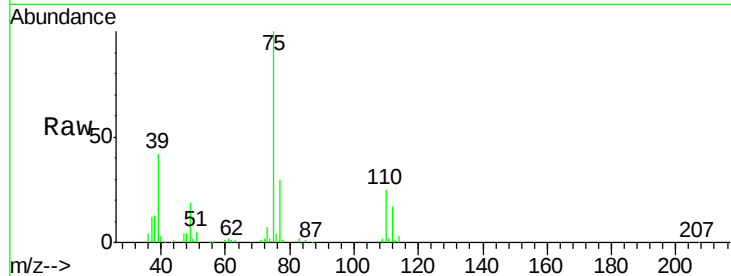
VN0520WBS01

Tot Ion: 75 Resp: 130431

Ion Ratio Lower Upper

75 100

77 30.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.900 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

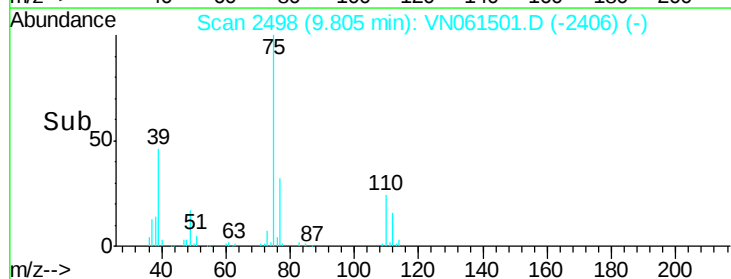
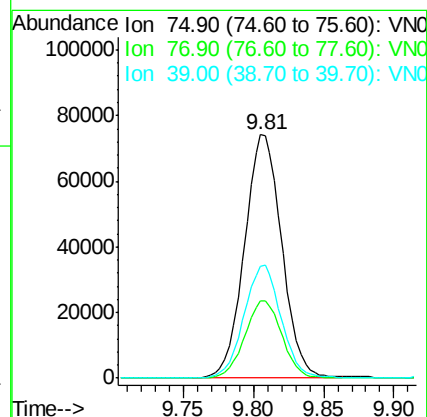
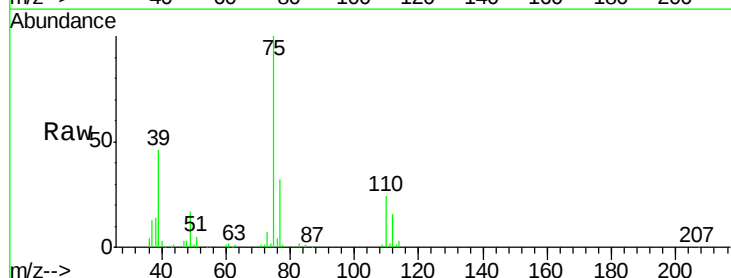
Tgt Ion: 75 Resp: 137525

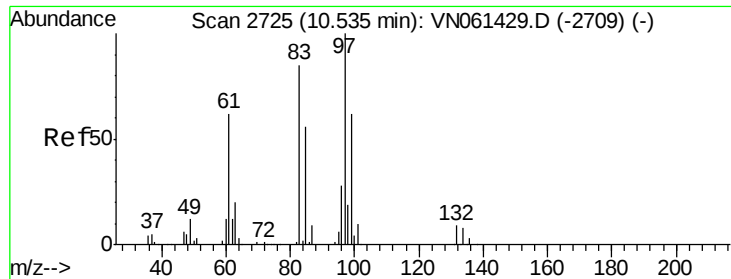
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 45.7 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 21.426 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

Tot Ion: 97 Resp: 83435

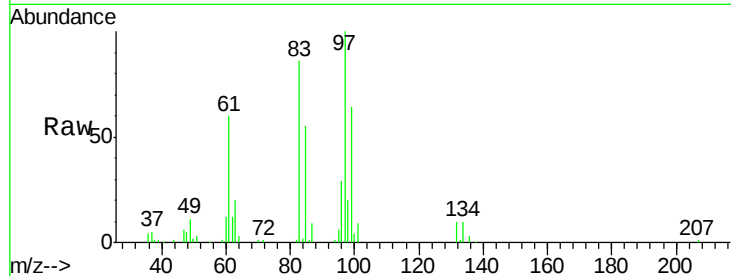
Ion Ratio Lower Upper

97 100

83 85.6 68.2 102.4

85 55.3 44.6 67.0

99 64.1 49.5 74.3

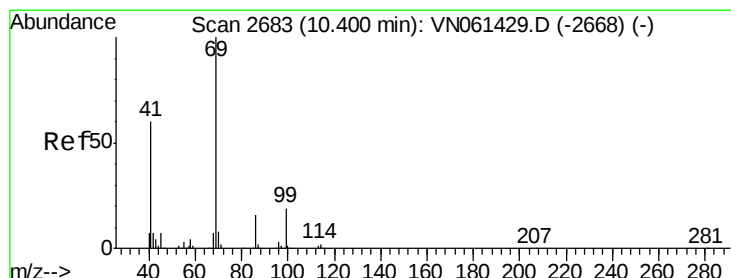
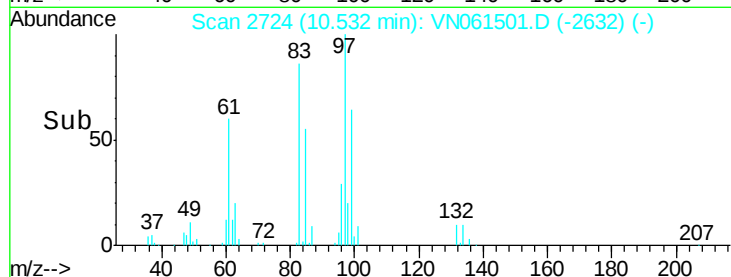
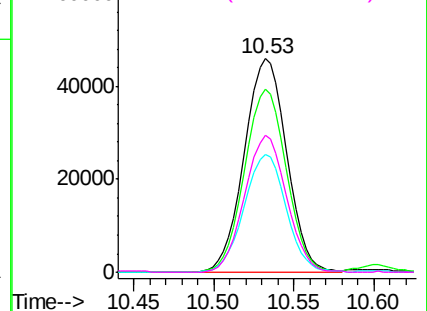


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.751 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

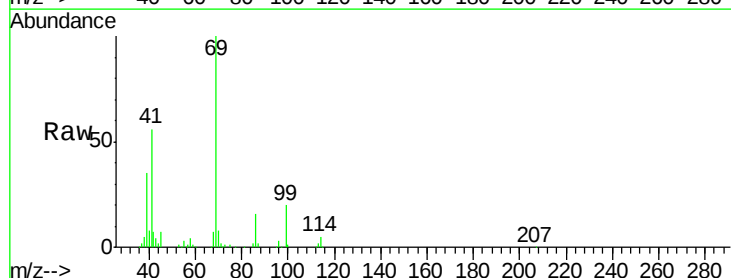
Tgt Ion: 69 Resp: 126336

Ion Ratio Lower Upper

69 100

41 54.8 48.3 72.5

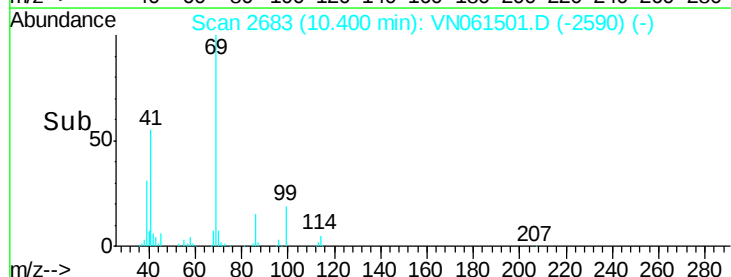
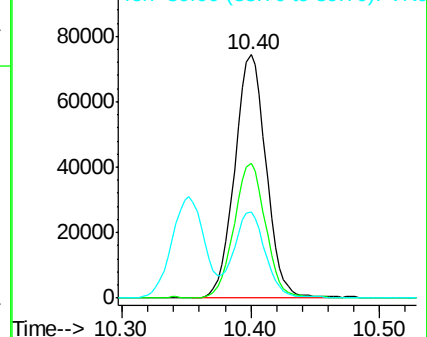
39 35.0 30.2 45.2

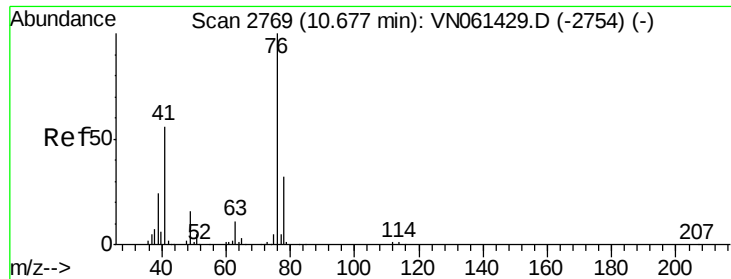


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.881 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

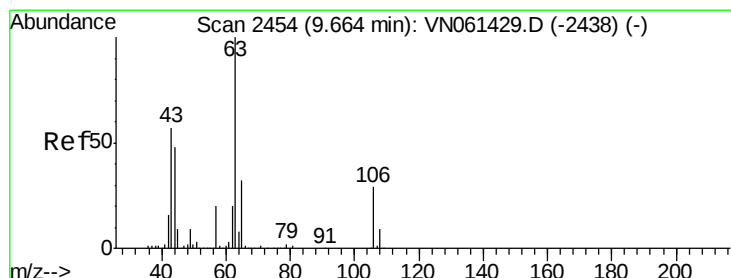
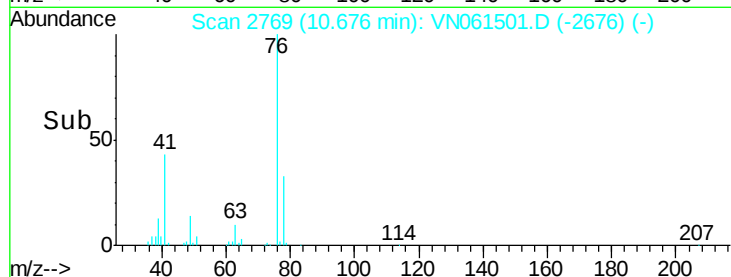
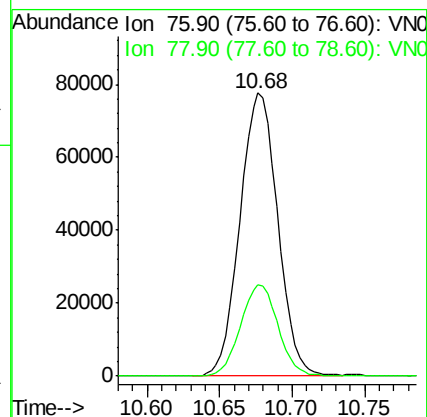
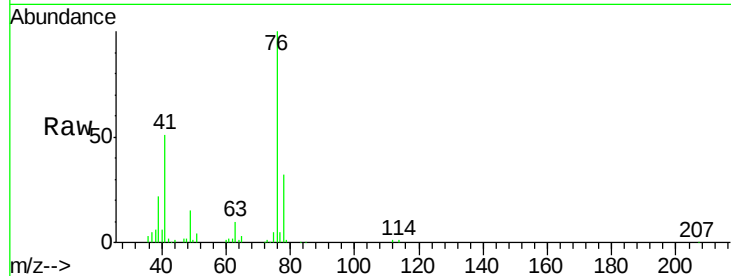
VN0520WBS01

Tot Ion: 76 Resp: 140529

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 93.495 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061501.D

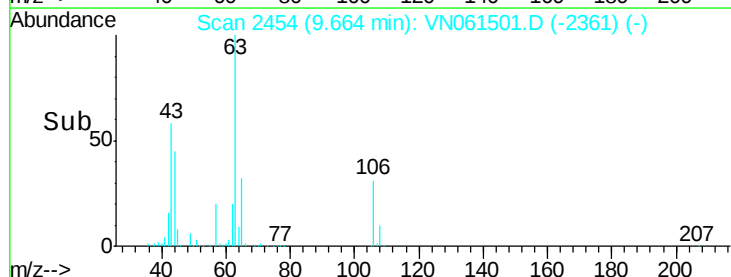
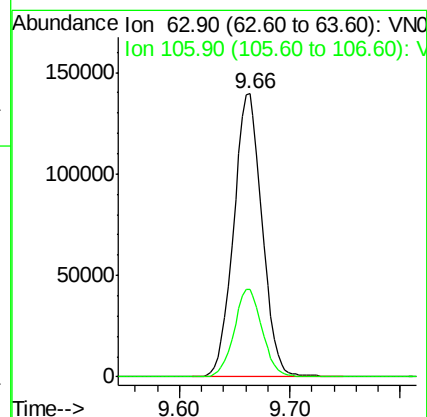
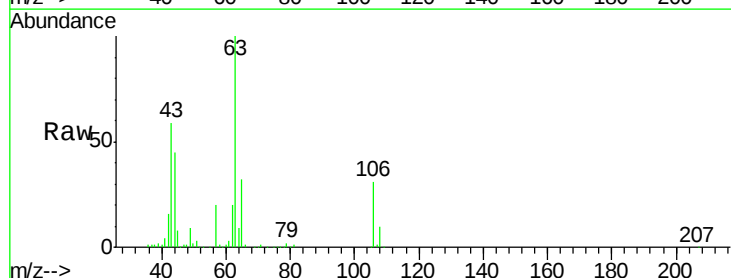
Acq: 20 May 2020 15:23

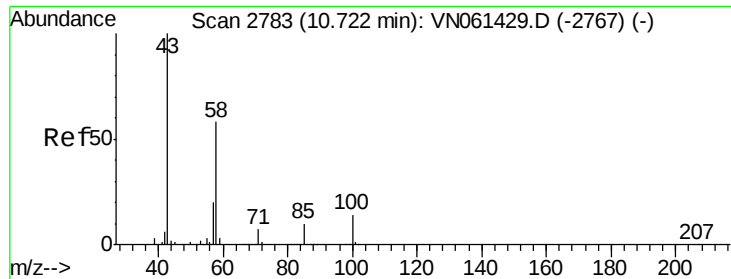
Tgt Ion: 63 Resp: 249844

Ion Ratio Lower Upper

63 100

106 30.6 22.7 34.1

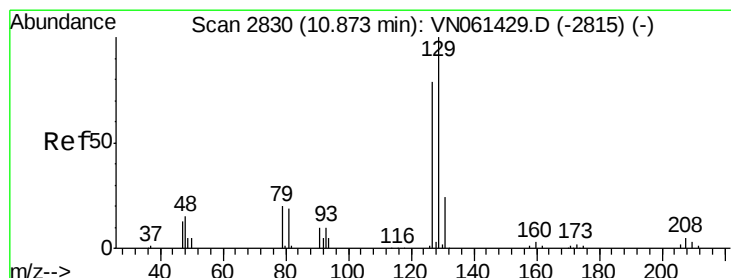
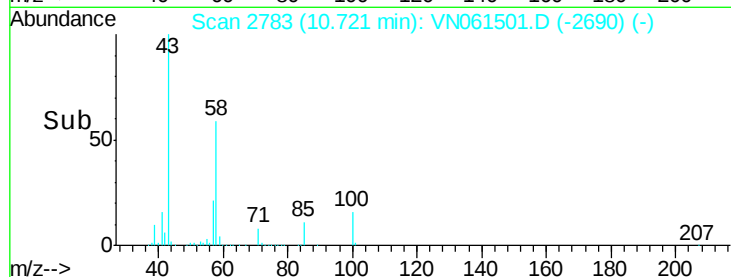
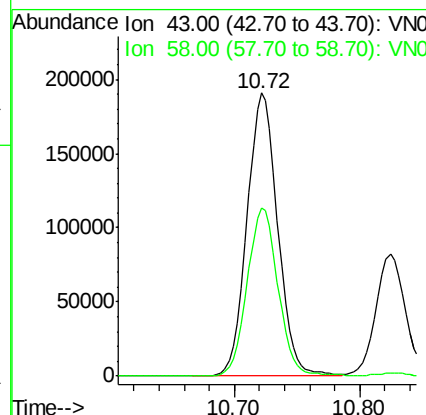
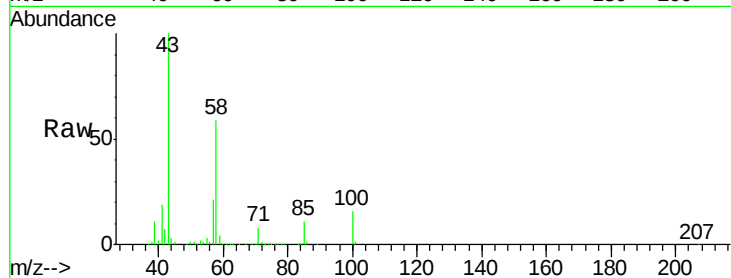




#59
2-Hexanone
Concen: 97.962 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

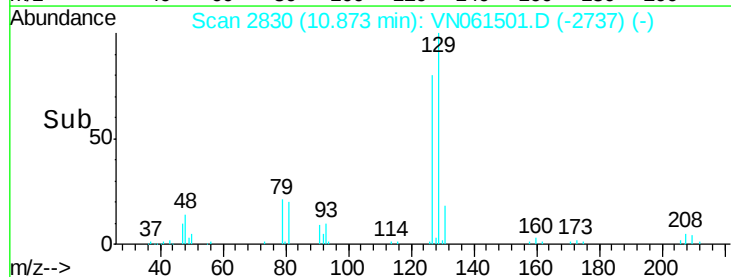
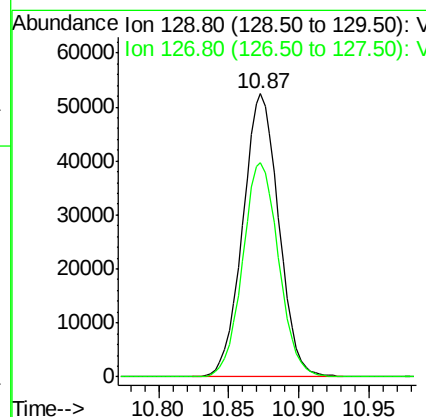
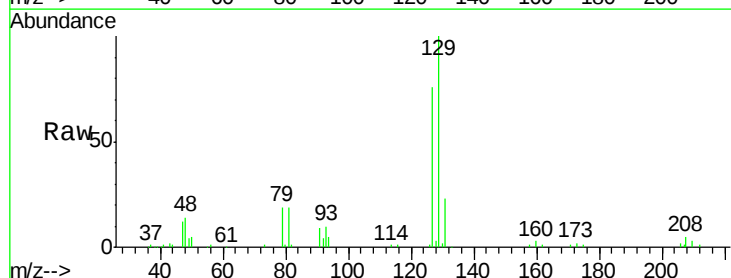
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

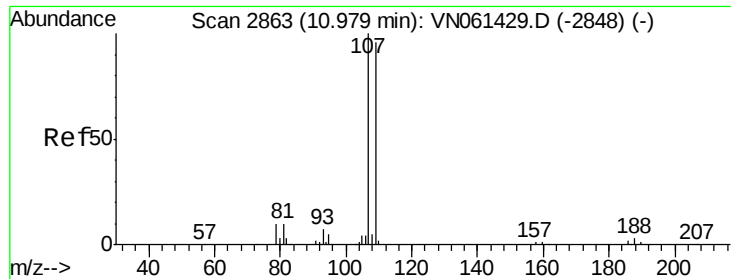
Tot Ion: 43 Resp: 325117
Ion Ratio Lower Upper
43 100
58 59.9 29.2 87.6



#60
Dibromochloromethane
Concen: 21.771 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 129 Resp: 93779
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 21.921 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

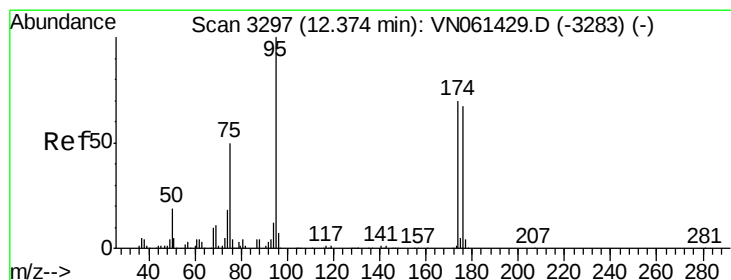
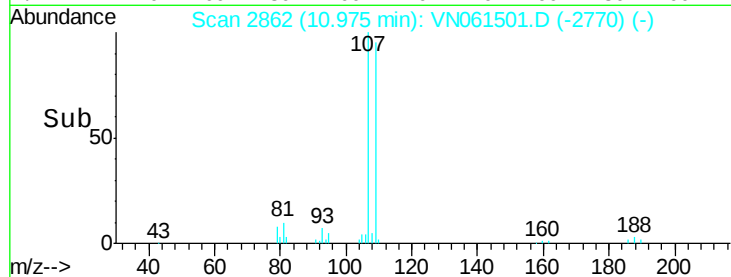
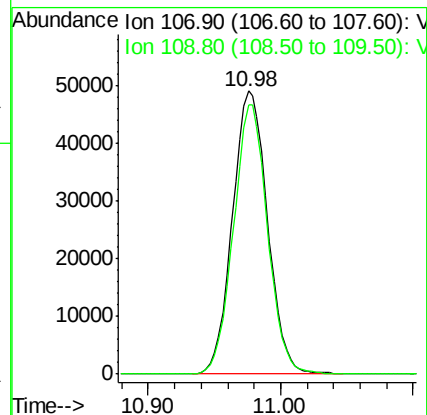
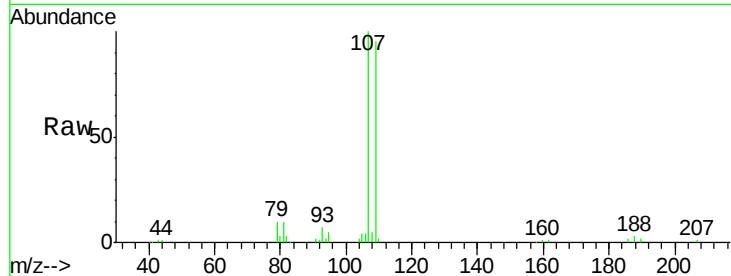
VN0520WBS01

Tot Ion:107 Resp: 89755

Ion Ratio Lower Upper

107 100

109 92.9 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 49.342 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

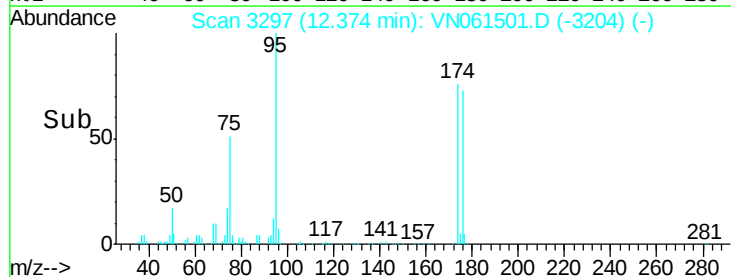
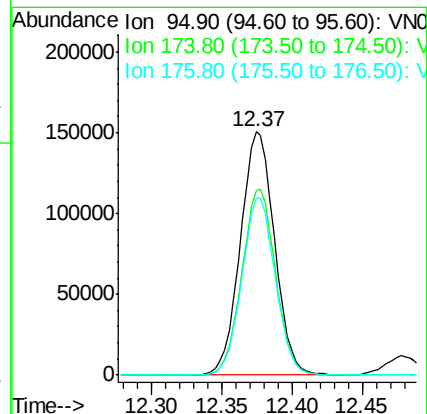
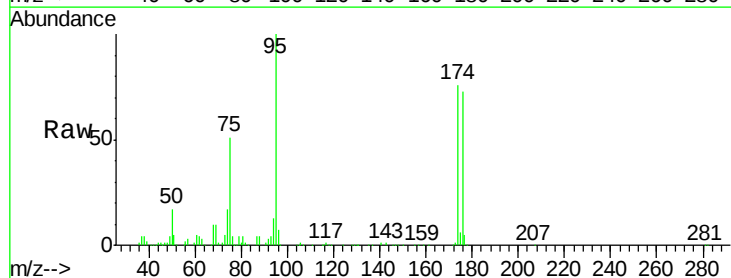
Tgt Ion: 95 Resp: 255033

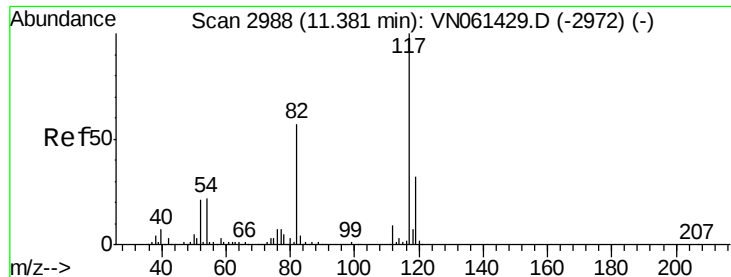
Ion Ratio Lower Upper

95 100

174 75.8 0.0 141.2

176 72.0 0.0 137.6

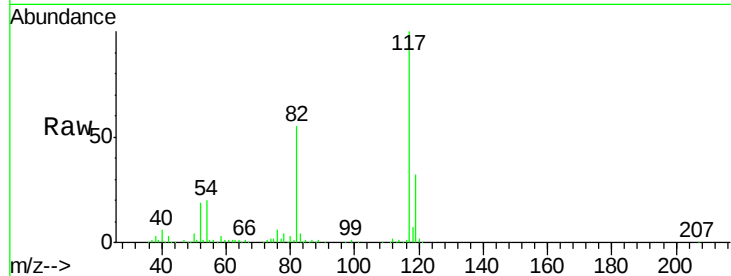




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.2	67.8
119	31.6	25.3	37.9

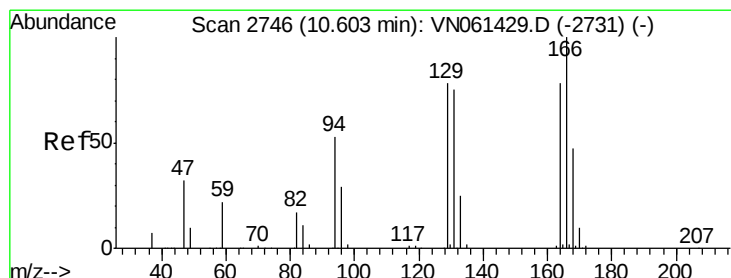
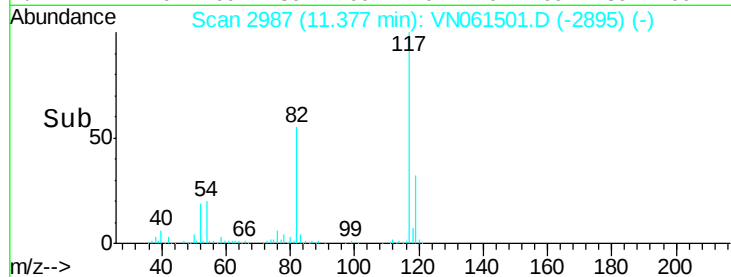
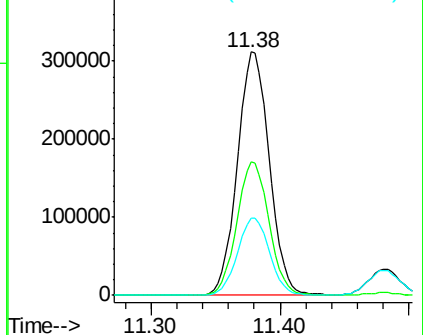


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.058 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.2	154.8
129	97.7	81.0	121.4
131	95.5	77.3	115.9

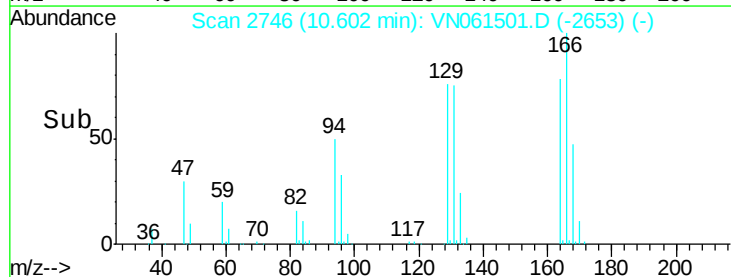
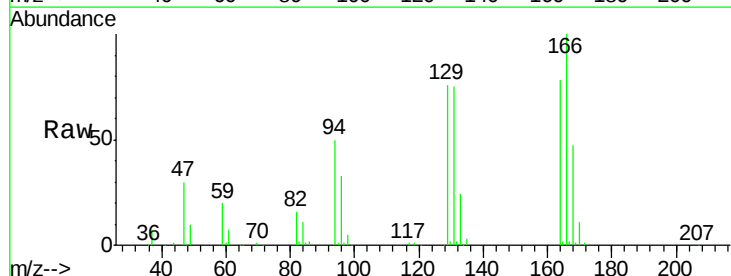
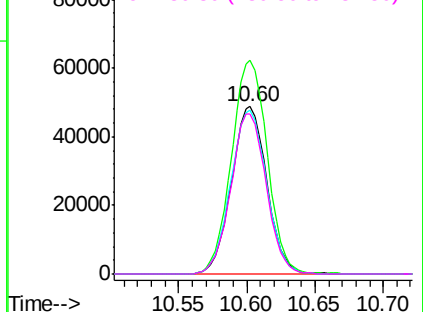
Abundance

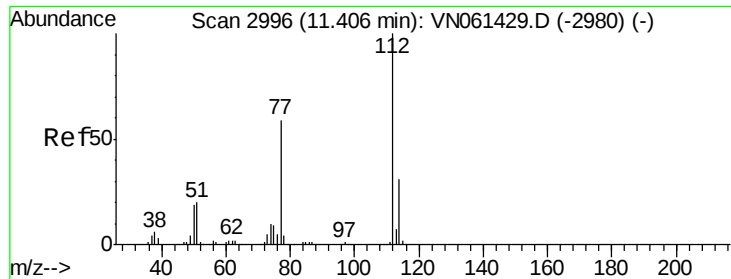
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.084 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

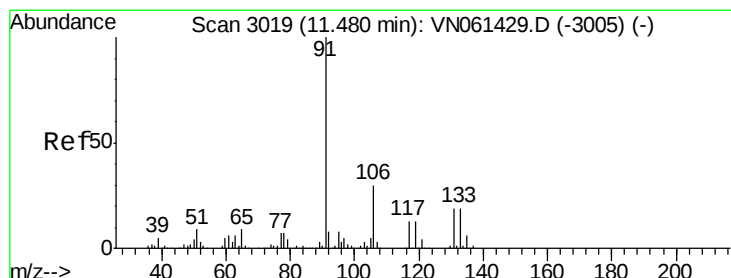
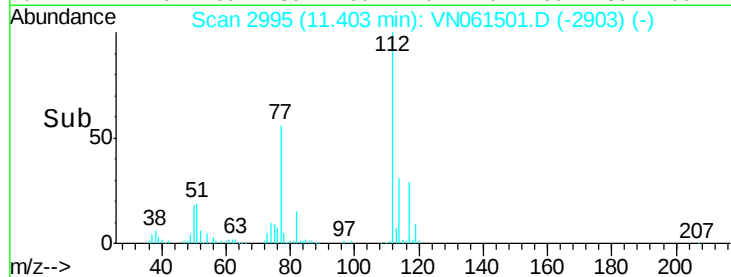
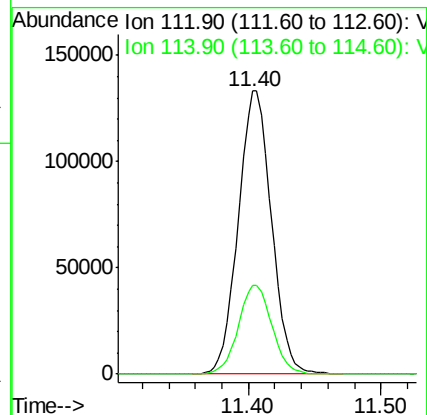
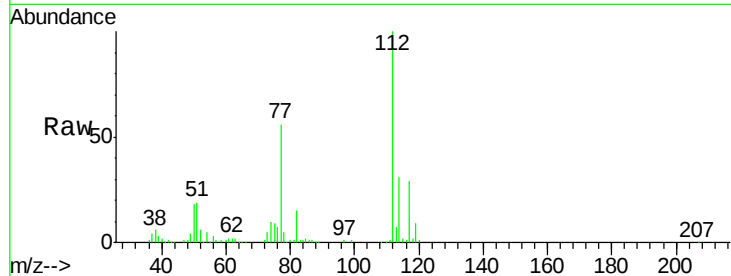
VN0520WBS01

Tot Ion:112 Resp: 231733

Ion Ratio Lower Upper

112 100

114 31.4 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 21.585 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

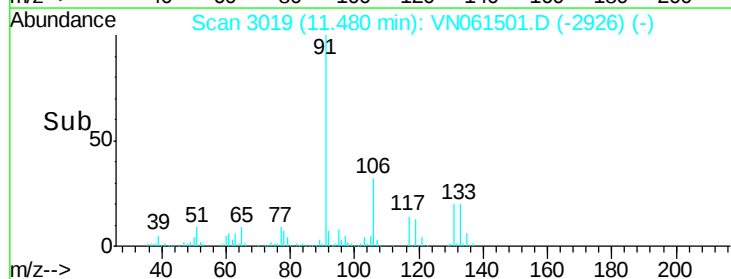
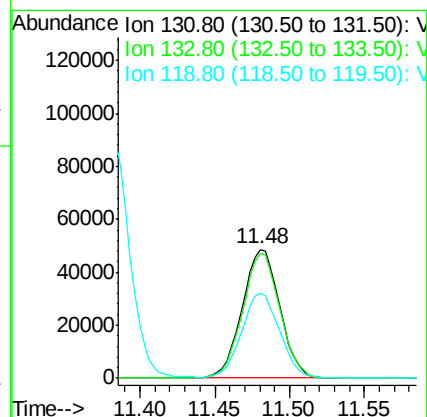
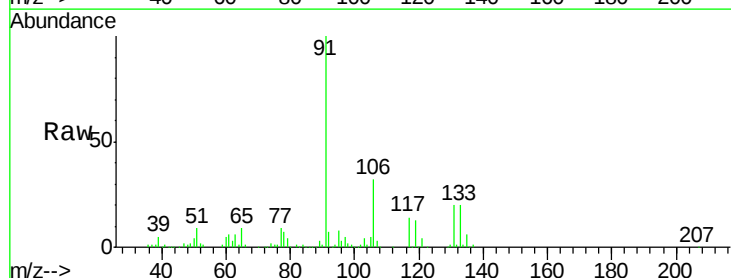
Tgt Ion:131 Resp: 85048

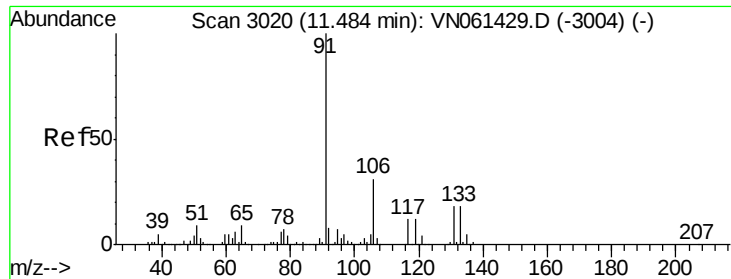
Ion Ratio Lower Upper

131 100

133 95.9 48.7 146.1

119 66.7 33.8 101.3

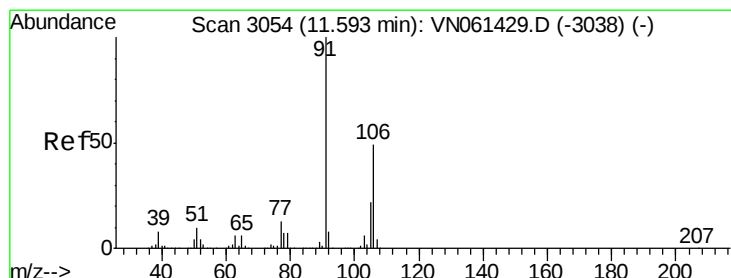
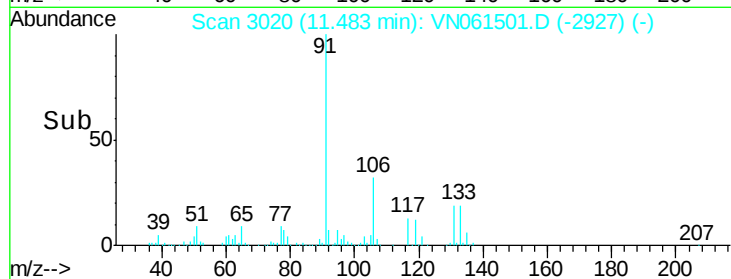
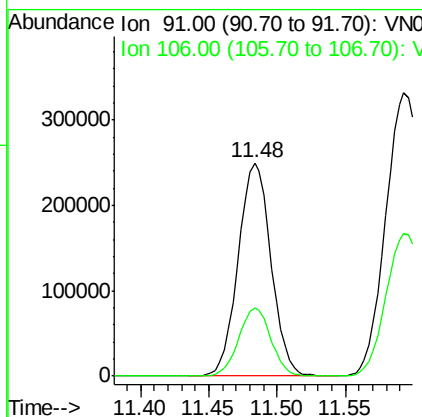
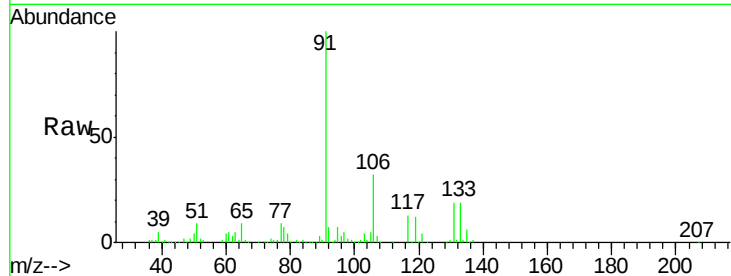




#67
Ethyl Benzene
Concen: 20.788 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

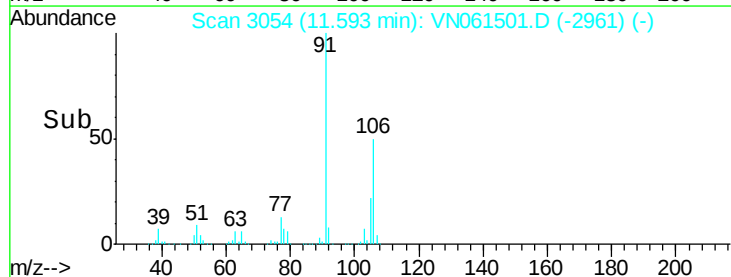
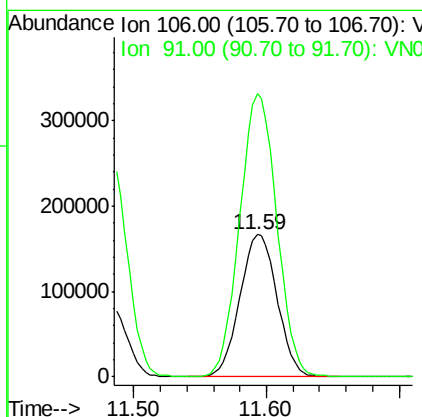
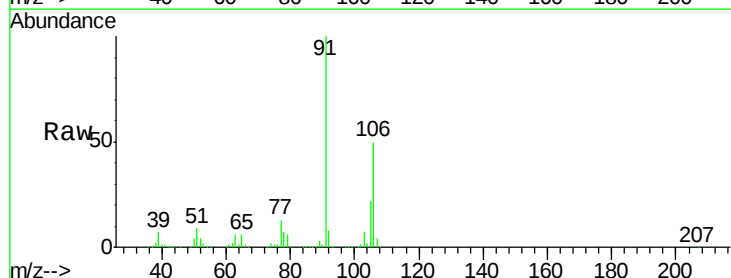
Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

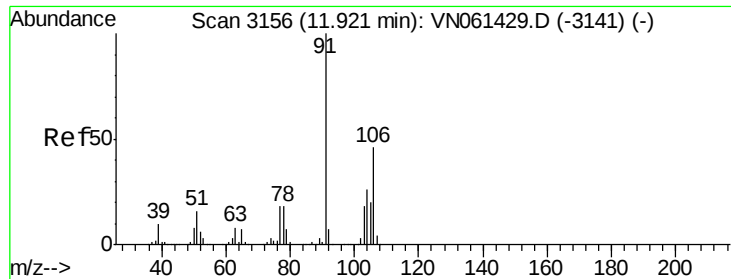
Tot Ion: 91 Resp: 417048
Ion Ratio Lower Upper
91 100
106 32.1 24.6 36.8



#68
m/p-Xylenes
Concen: 42.438 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 106 Resp: 323170
Ion Ratio Lower Upper
106 100
91 199.1 163.0 244.6

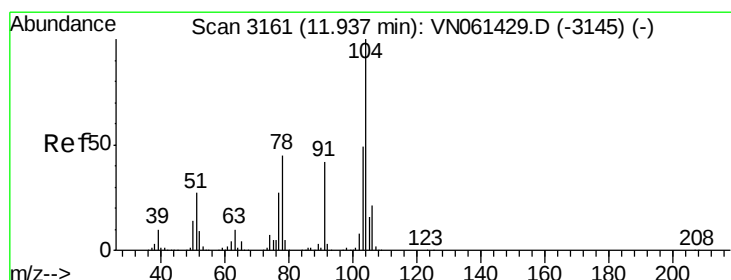
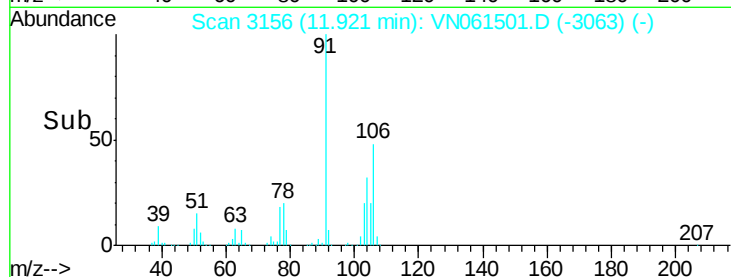
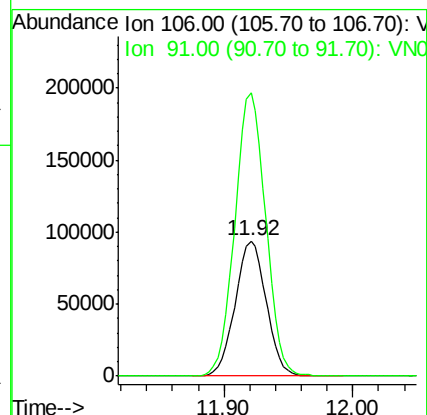
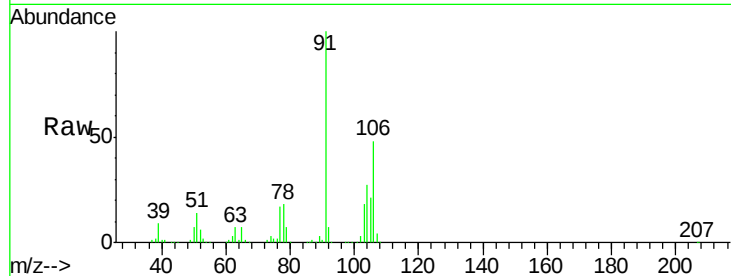




#69
o-Xylene
Concen: 21.247 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

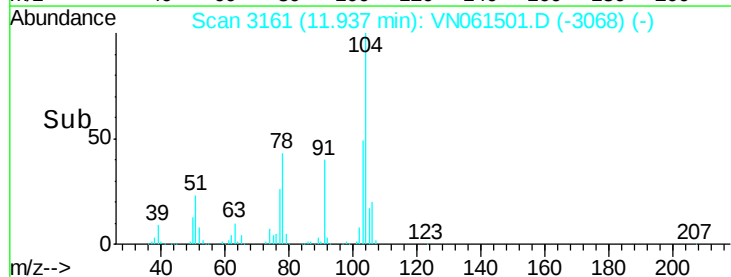
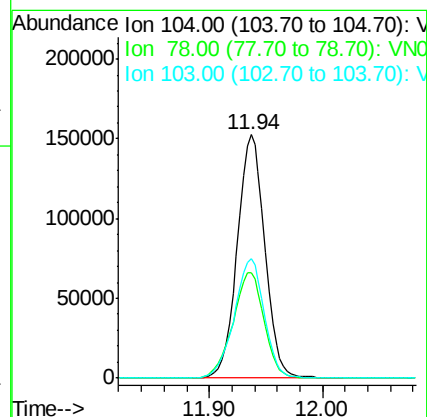
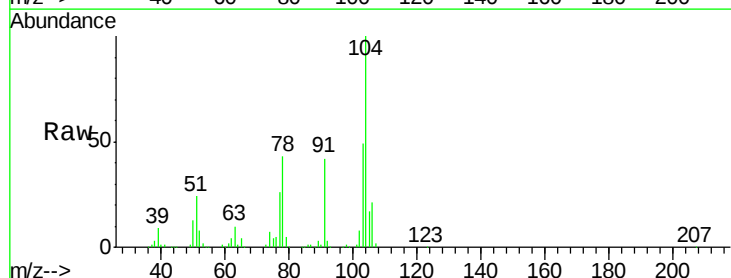
Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

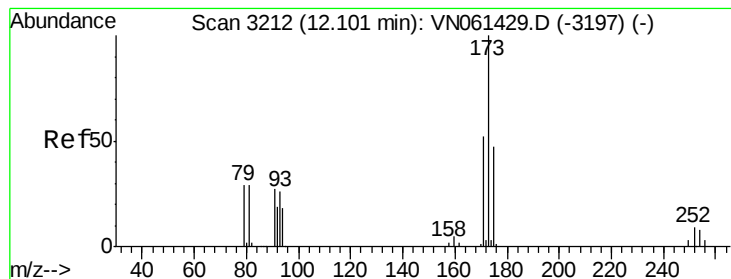
Tot Ion:106 Resp: 156572
Ion Ratio Lower Upper
106 100
91 208.6 107.9 323.7



#70
Styrene
Concen: 21.211 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion:104 Resp: 258839
Ion Ratio Lower Upper
104 100
78 49.1 40.7 61.1
103 53.4 43.0 64.4





#71

Bromoform

Concen: 20.548 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

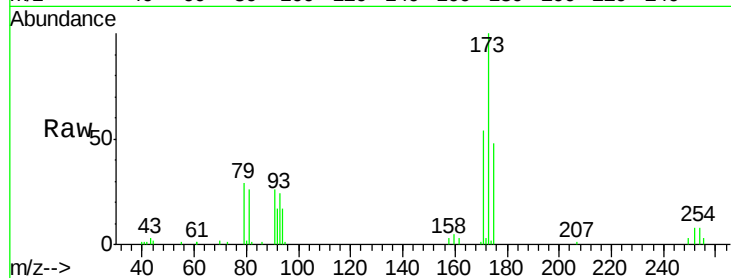
Tot Ion:173 Resp: 59159

Ion Ratio Lower Upper

173 100

175 49.4 23.9 71.8

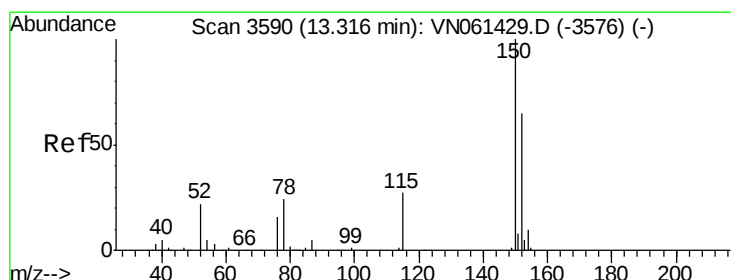
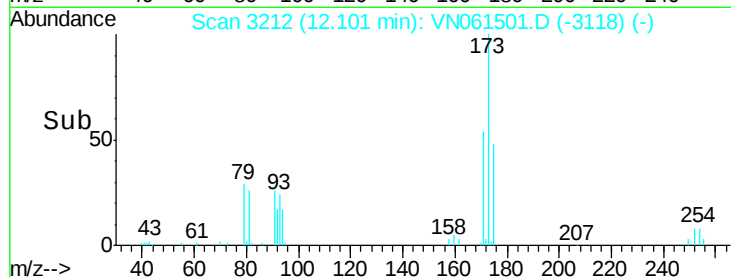
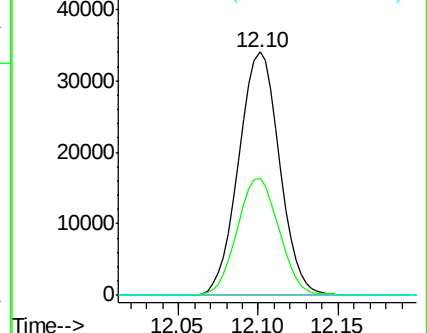
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

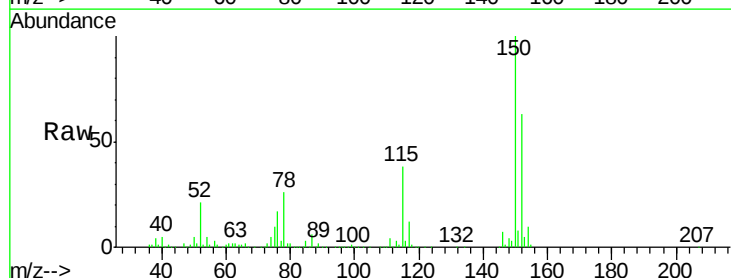
Tgt Ion:152 Resp: 254646

Ion Ratio Lower Upper

152 100

115 59.9 30.9 92.5

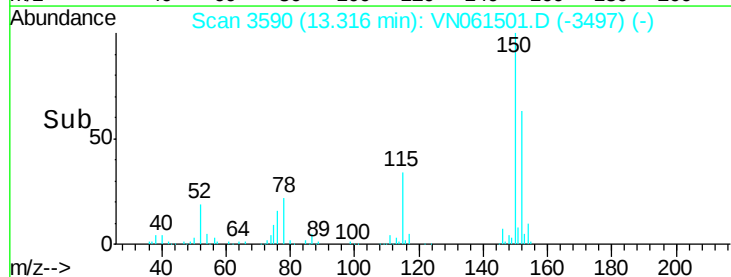
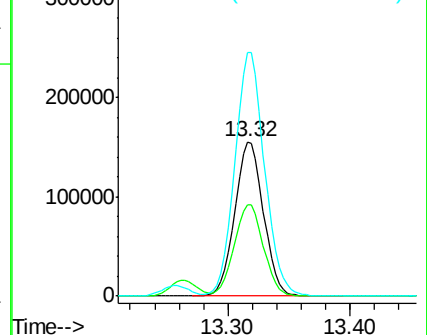
150 163.5 0.0 349.2

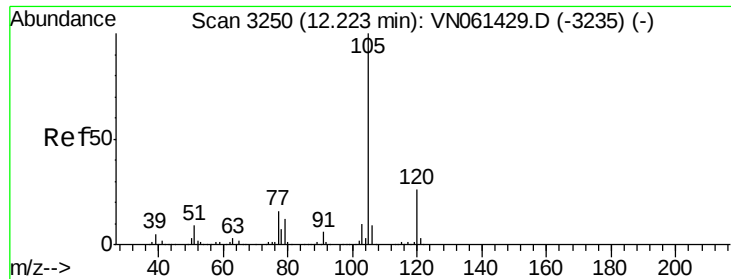


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.987 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

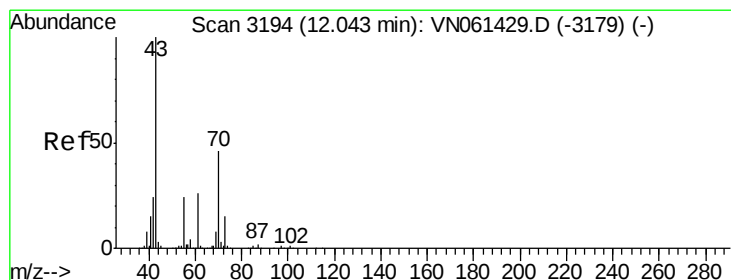
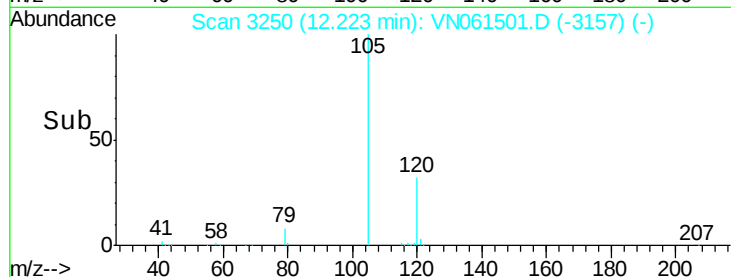
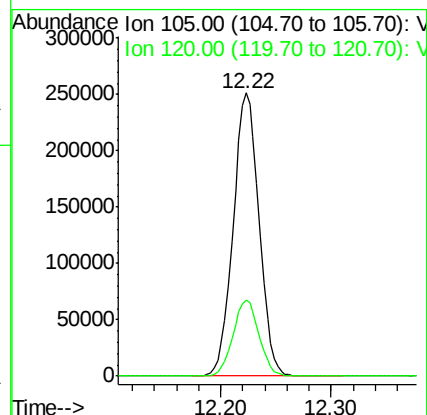
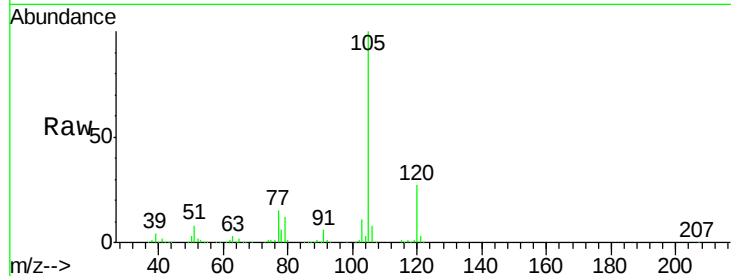
VN0520WBS01

Tot Ion:105 Resp: 408599

Ion Ratio Lower Upper

105 100

120 26.9 13.0 39.0



#74

N-ethyl acetate

Concen: 18.141 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion: 43 Resp: 135744

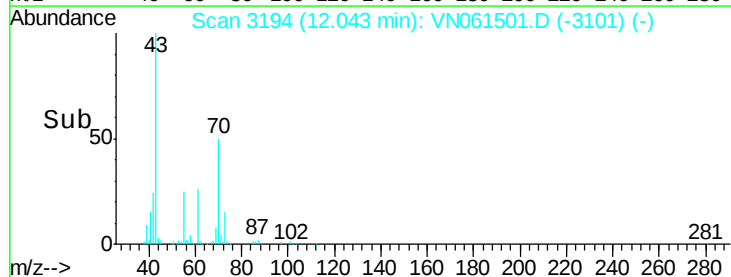
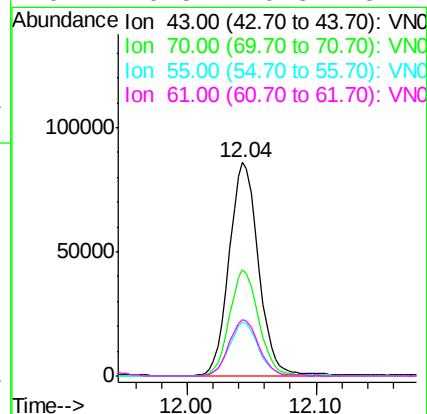
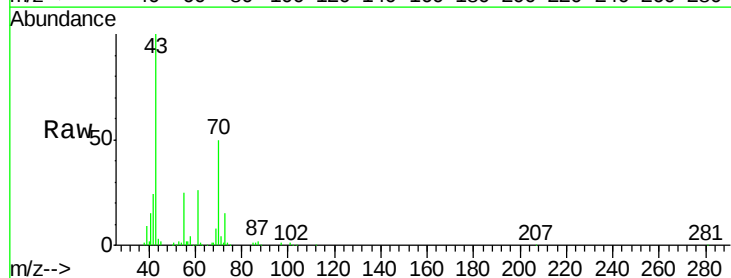
Ion Ratio Lower Upper

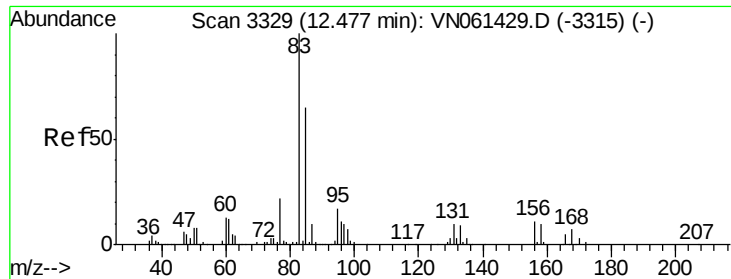
43 100

70 49.8 37.0 55.4

55 25.2 19.5 29.3

61 26.8 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.142 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0520WBS01

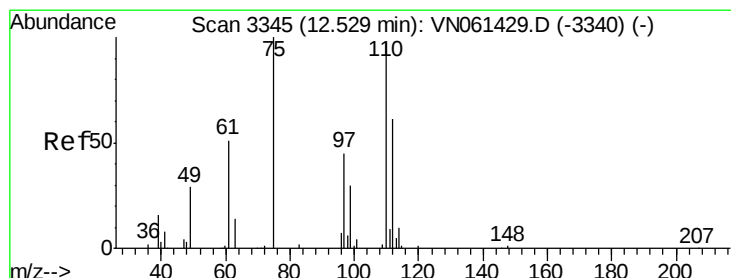
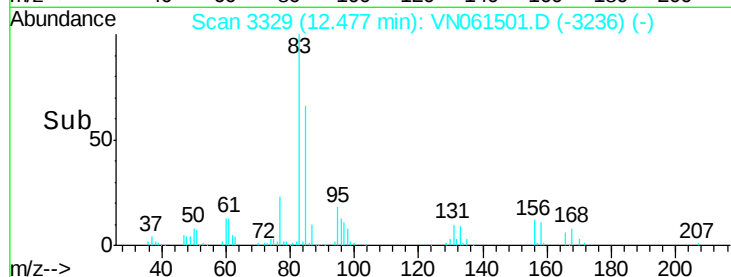
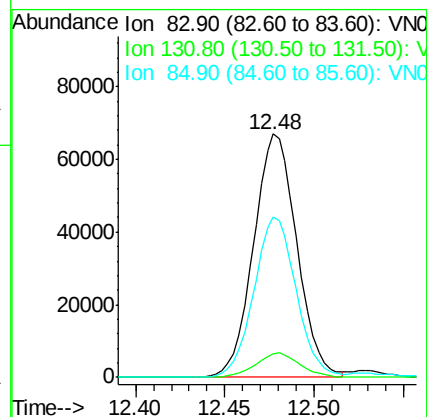
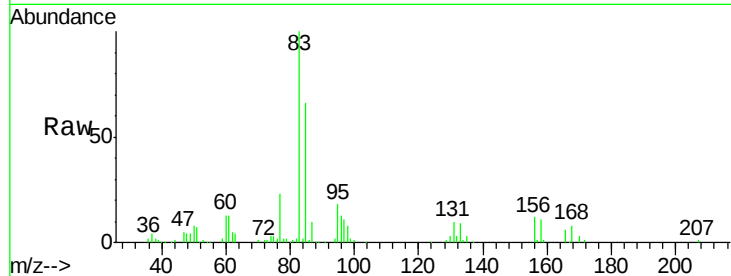
Tot Ion: 83 Resp: 113286

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.4

85 64.5 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 26.871 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061501.D

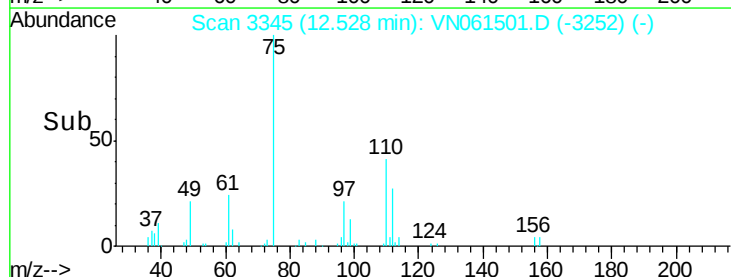
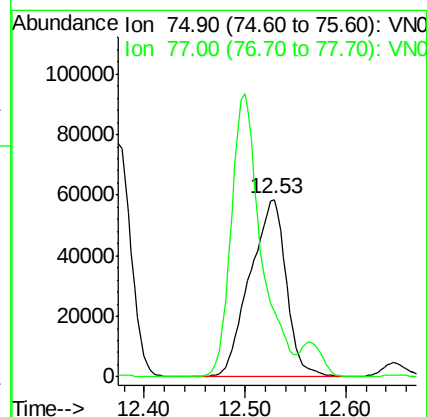
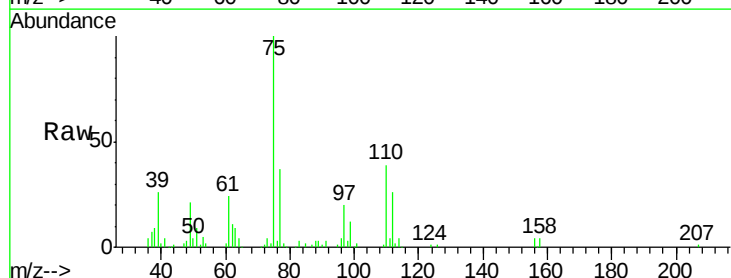
Acq: 20 May 2020 15:23

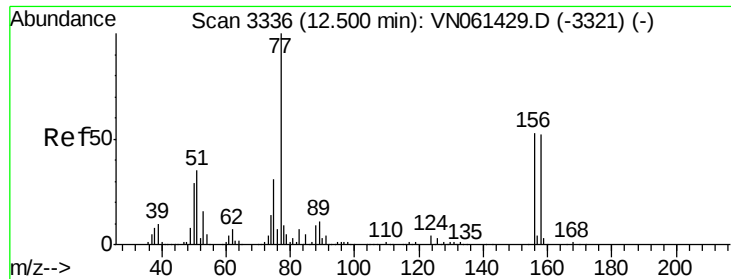
Tgt Ion: 75 Resp: 146823

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

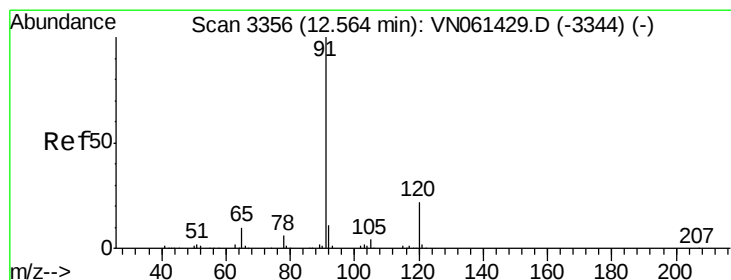
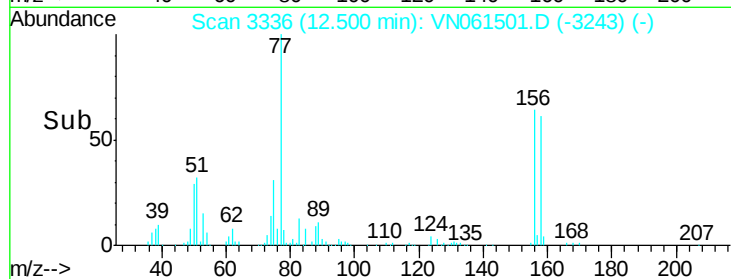
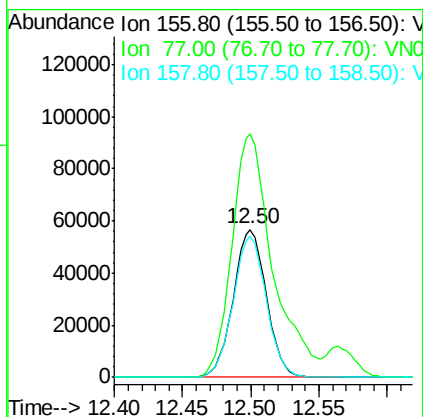
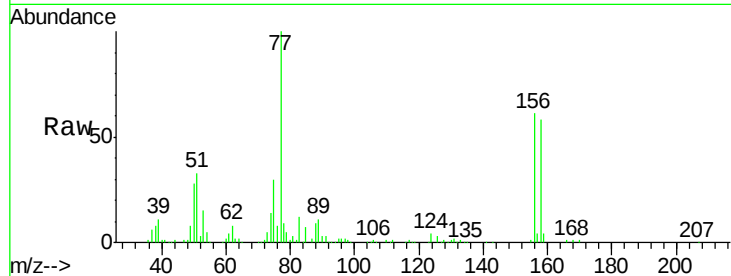




#77
Bromobenzene
Concen: 21.568 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

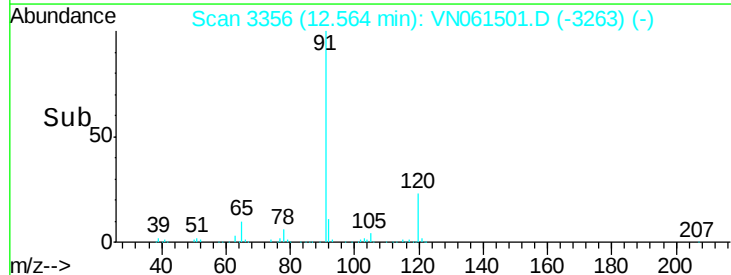
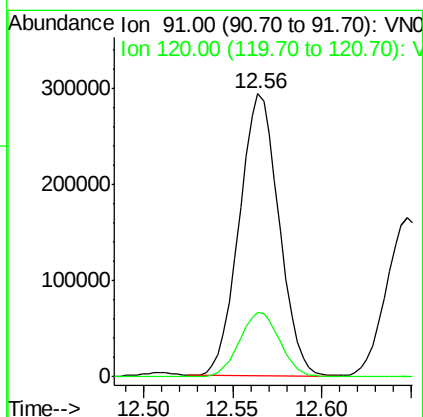
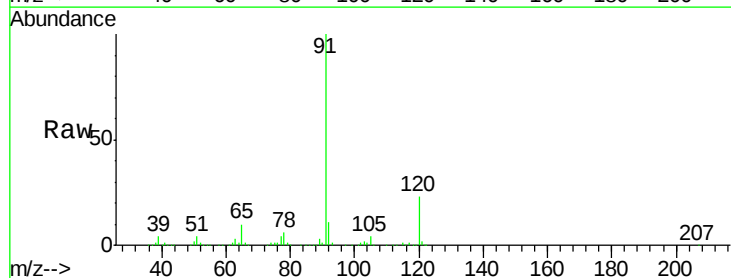
Instrument :
MSVOA_N
ClientSampleId :
VN0520WBS01

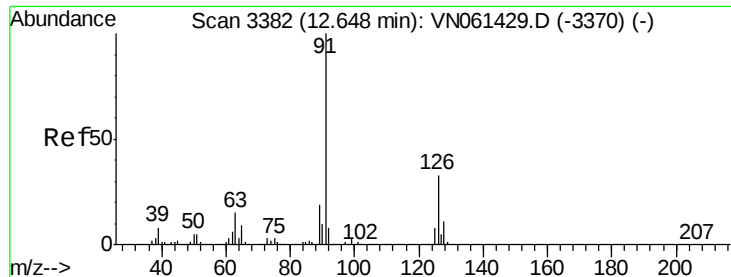
Tot Ion:156 Resp: 95689
Ion Ratio Lower Upper
156 100
77 203.3 112.3 336.9
158 95.6 47.9 143.6



#78
n-propylbenzene
Concen: 19.586 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 91 Resp: 456208
Ion Ratio Lower Upper
91 100
120 23.4 11.2 33.6

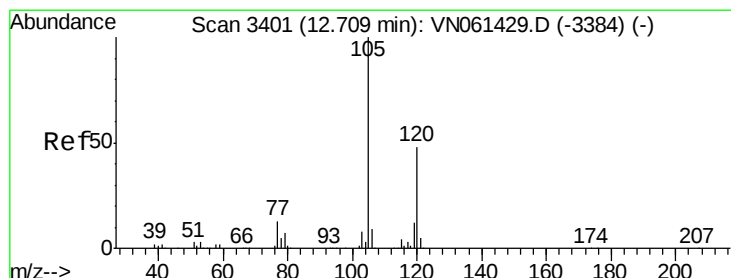
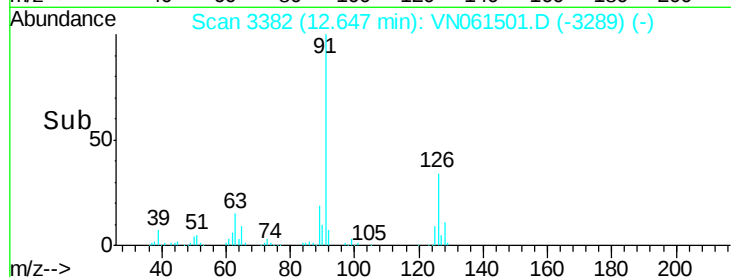
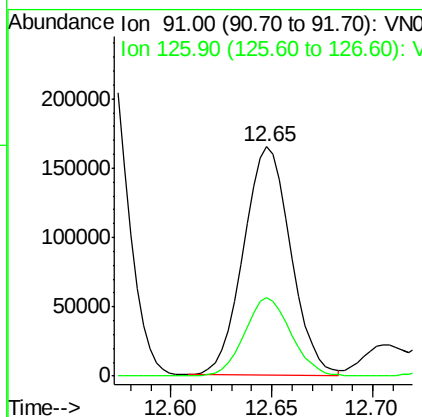
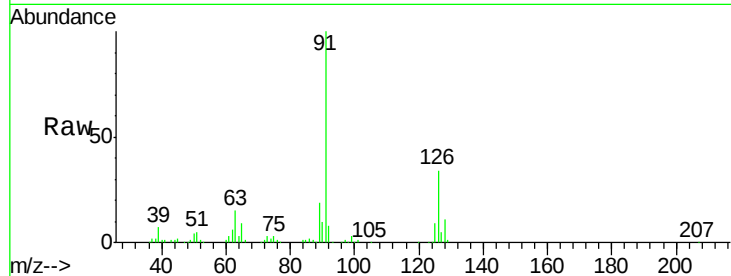




#79
 2-Chlorotoluene
 Concen: 19.611 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

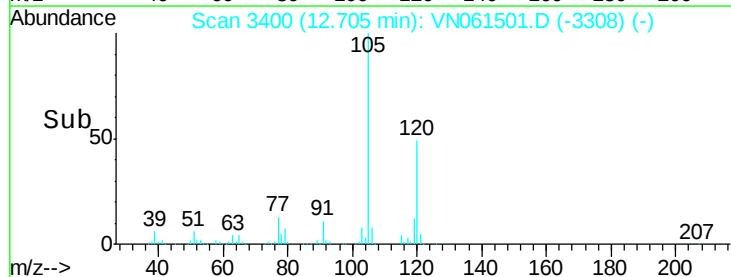
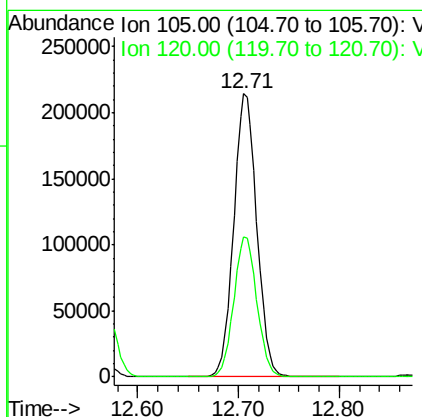
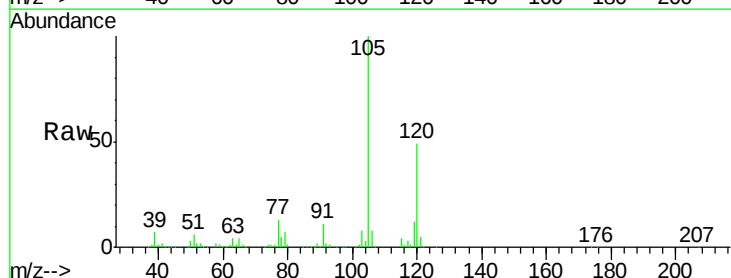
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

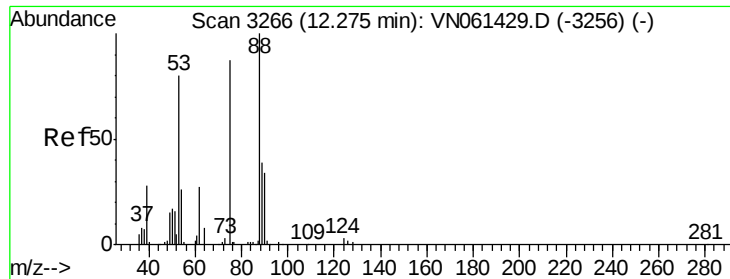
Tot Ion: 91 Resp: 269994
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.361 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 105 Resp: 340819
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.1 72.4

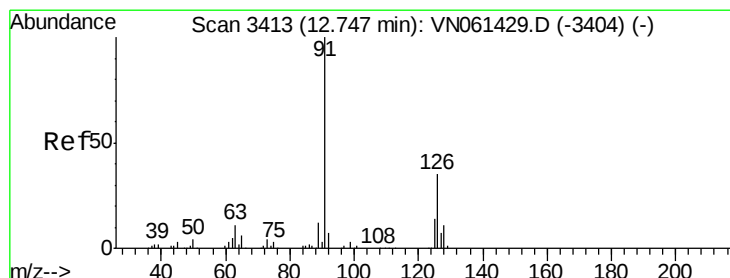
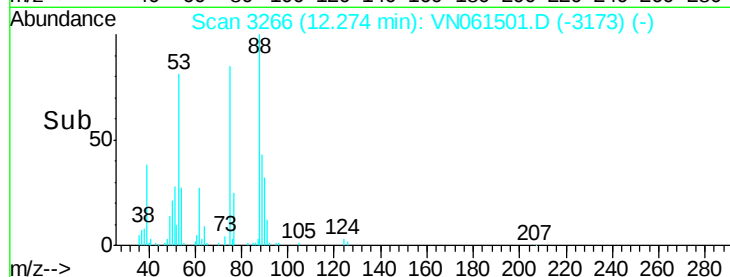
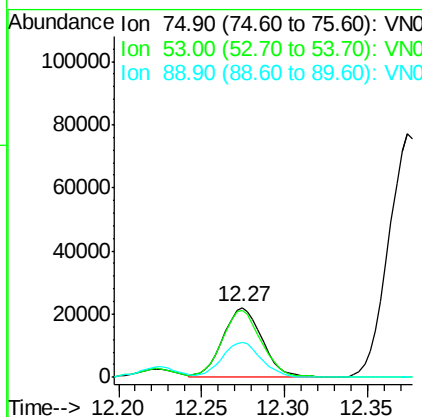
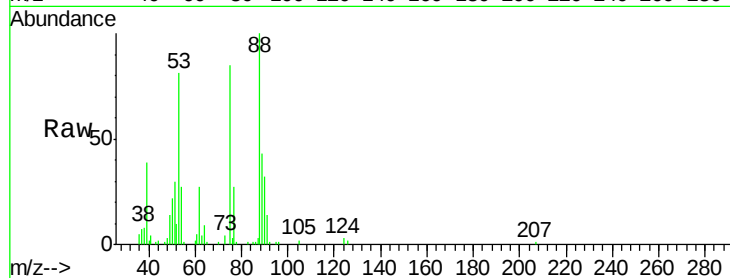




#81
trans-1,4-Dichloro-2-butene
Concen: 17.712 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

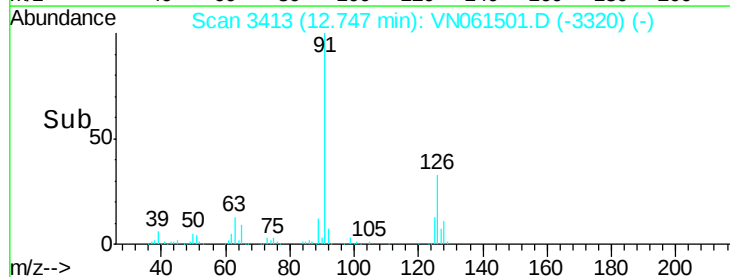
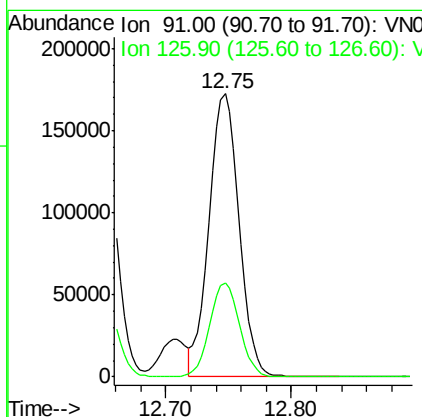
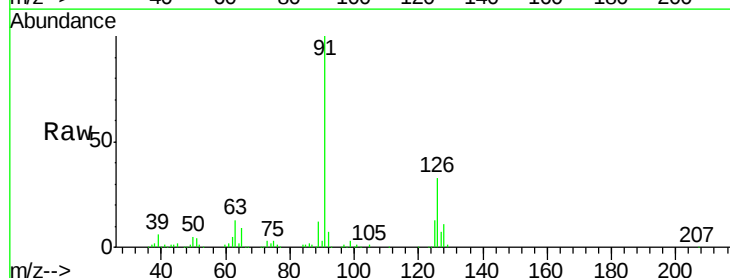
Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

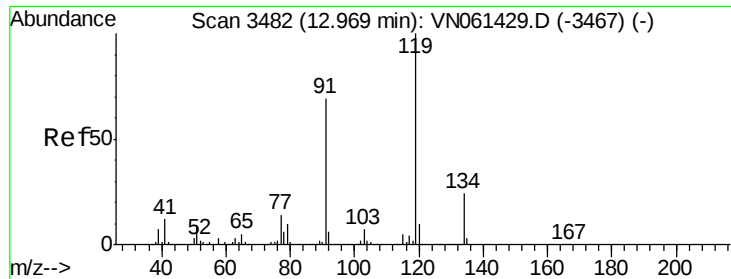
Tot Ion: 75 Resp: 36483
Ion Ratio Lower Upper
75 100
53 96.1 75.2 112.8
89 50.2 38.2 57.4



#82
4-Chlorotoluene
Concen: 20.170 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion: 91 Resp: 287543
Ion Ratio Lower Upper
91 100
126 33.2 16.1 48.2

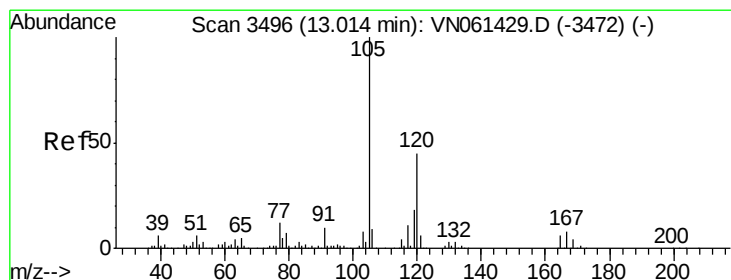
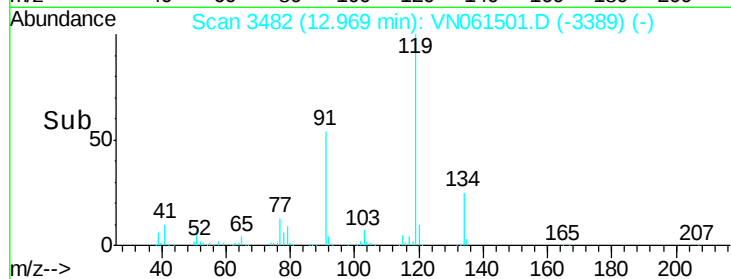
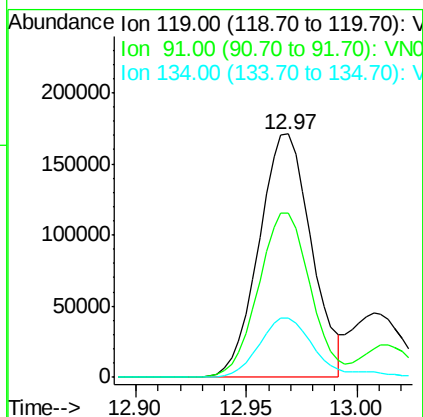
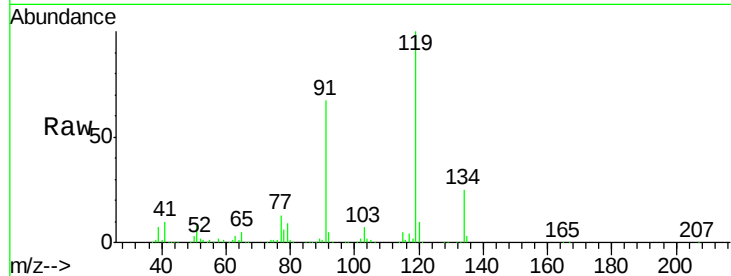




#83
 tert-Butylbenzene
 Concen: 19.656 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

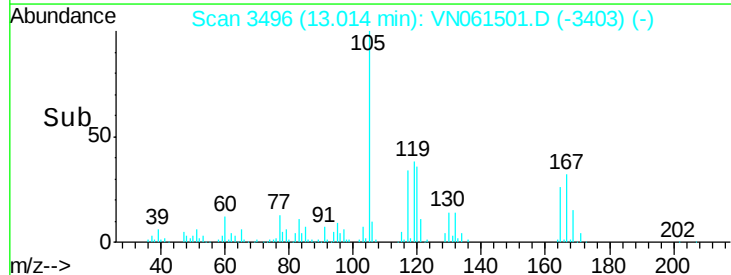
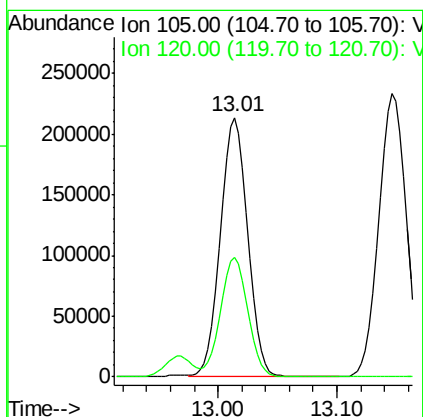
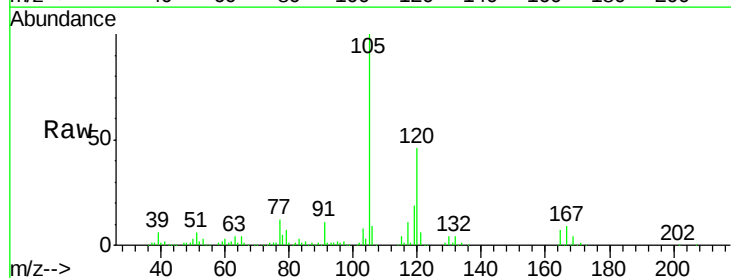
Instrument :
 MSVOA_N
 ClientSampled :
 VN0520WBS01

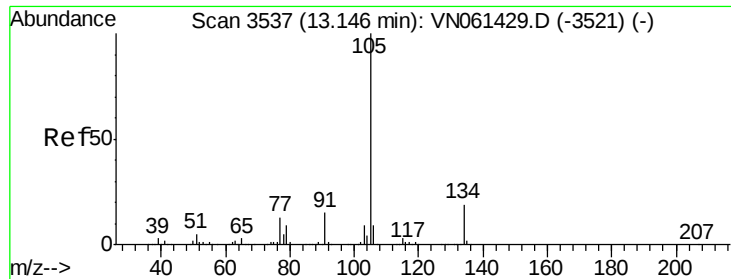
Tot Ion:119 Resp: 281817
 Ion Ratio Lower Upper
 119 100
 91 66.8 33.7 101.0
 134 26.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.233 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion:105 Resp: 338941
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.370 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

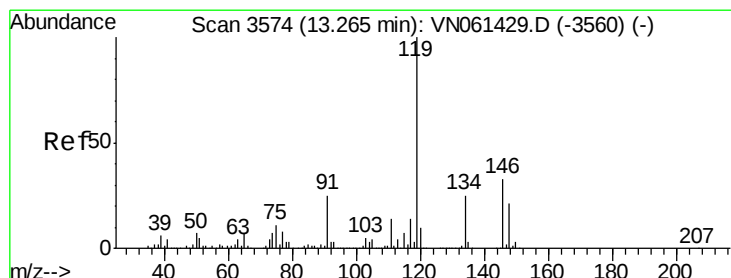
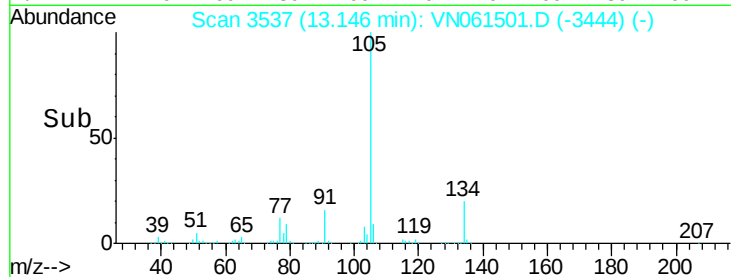
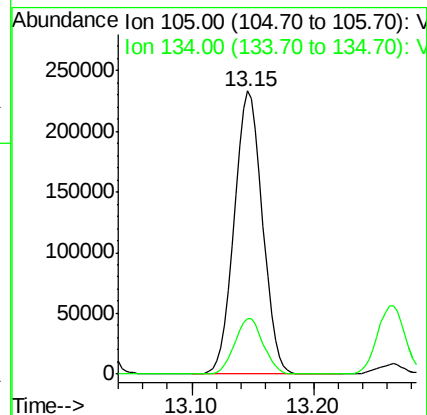
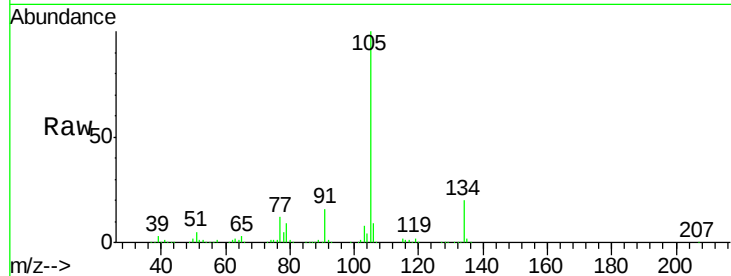
VN0520WBS01

Tot Ion:105 Resp: 375535

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5



#86

p-Isopropyltoluene

Concen: 19.806 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

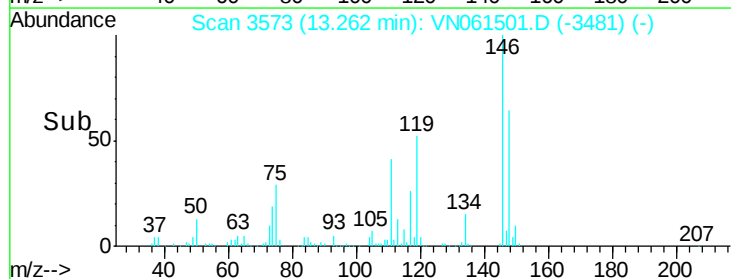
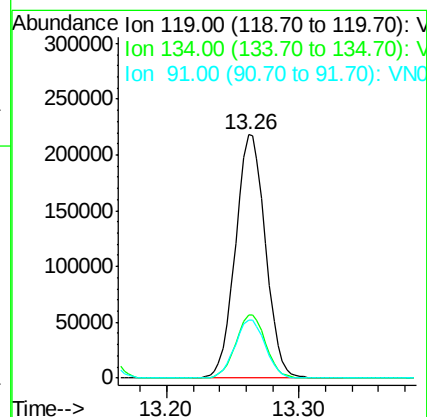
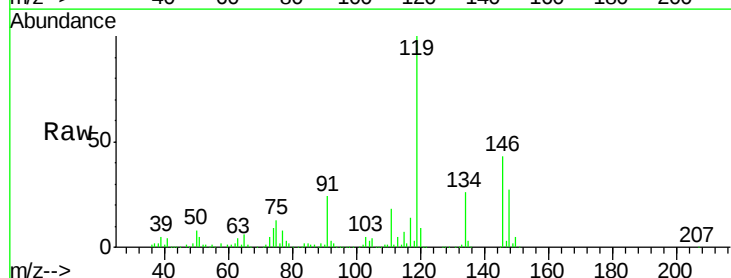
Tgt Ion:119 Resp: 340975

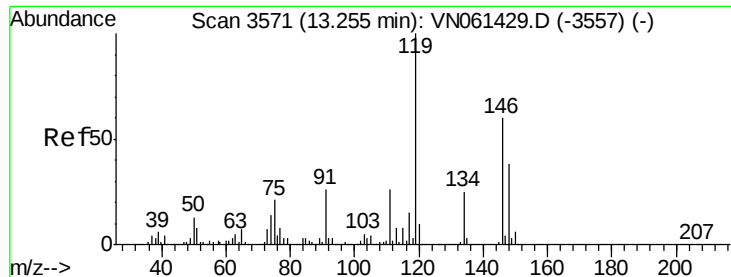
Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

91 24.1 12.6 37.6

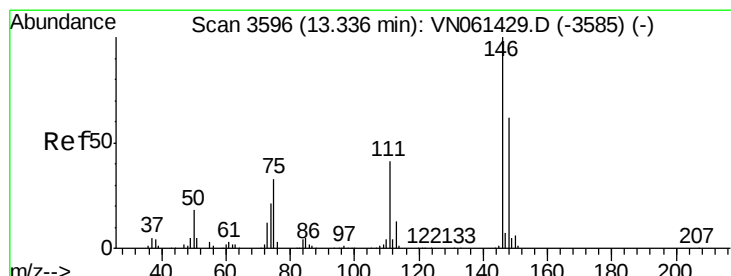
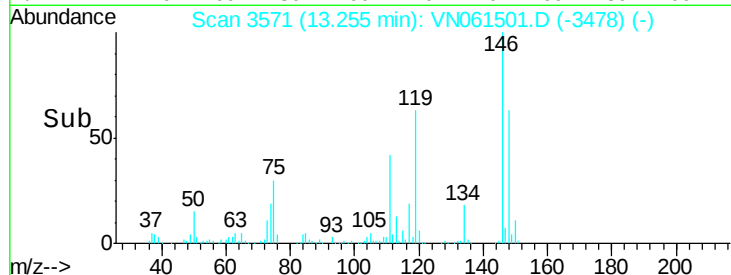
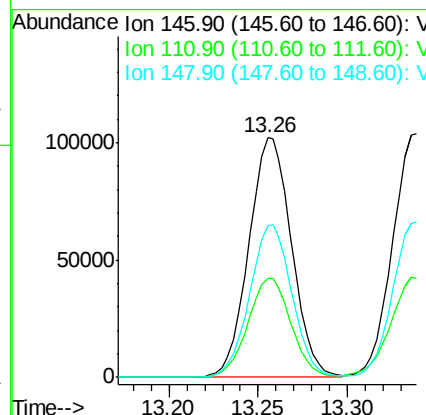
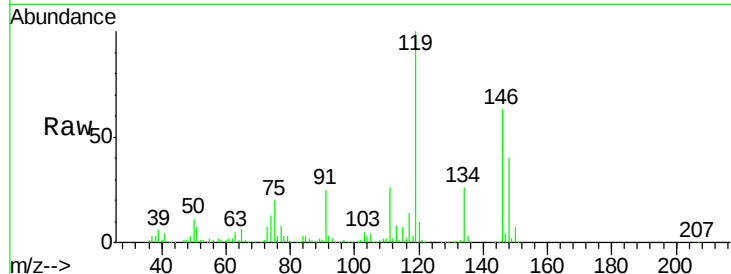




#87
 1,3-Dichlorobenzene
 Concen: 21.087 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

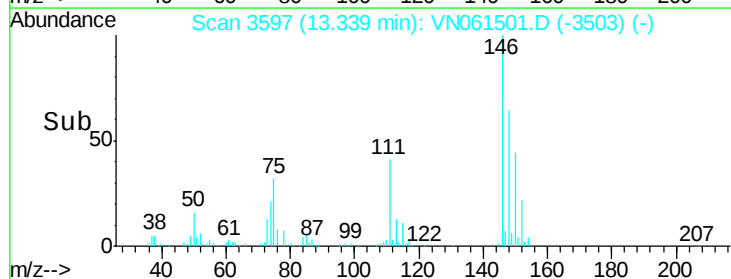
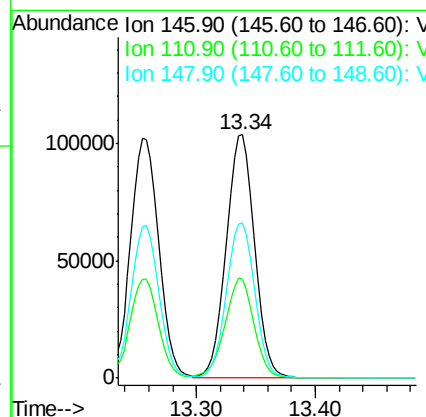
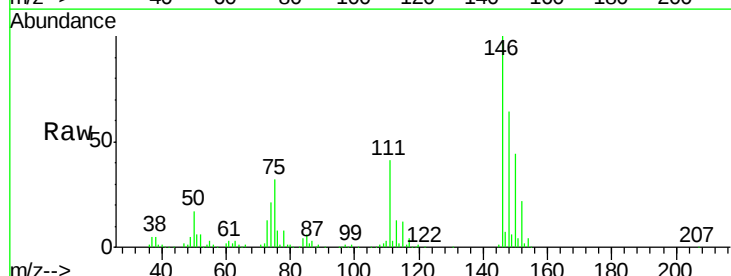
Instrument :
 MSVOA_N
 ClientSampled :
 VN0520WBS01

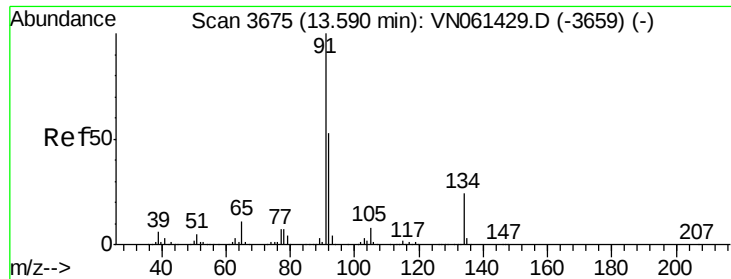
Tot Ion:146 Resp: 171215
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.5 64.5
 148 62.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion:146 Resp: 171871
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.5
 148 64.1 31.6 94.8

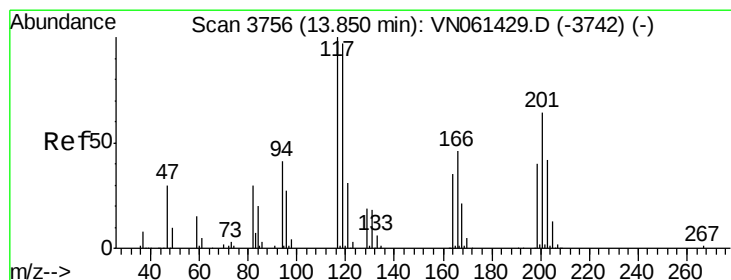
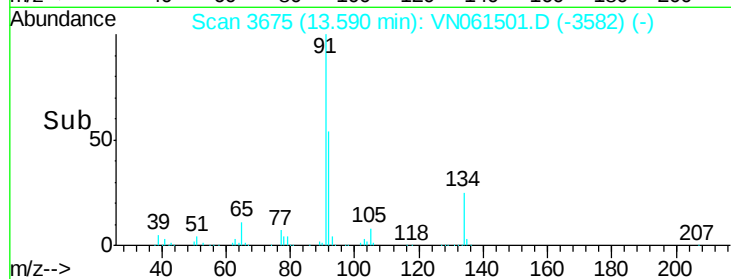
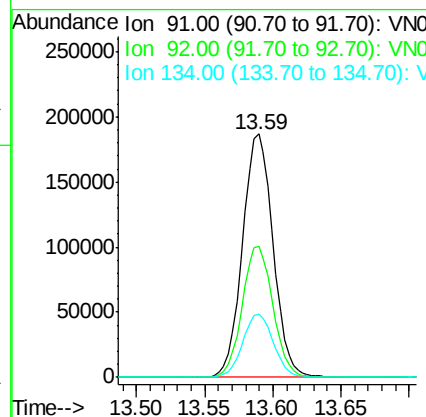
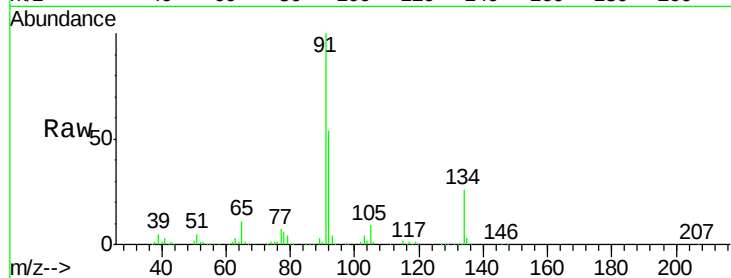




#89
n-Butylbenzene
Concen: 18.568 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

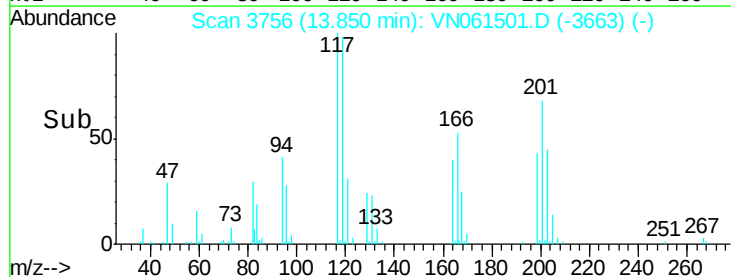
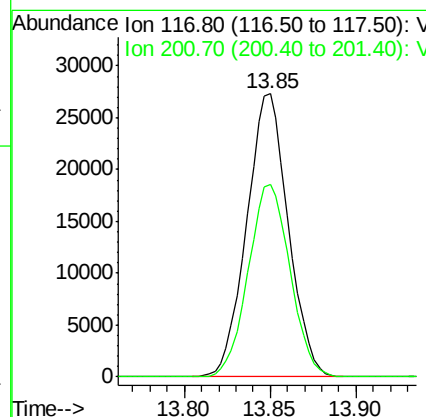
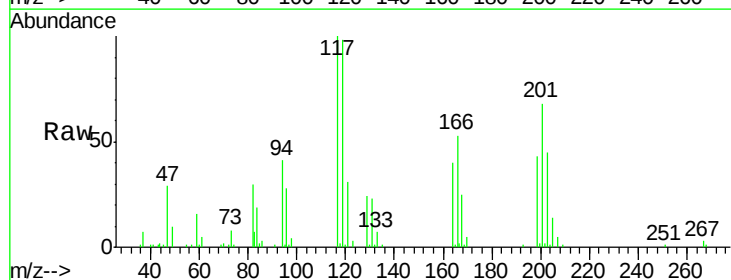
Instrument :
MSVOA_N
ClientSampled :
VN0520WBS01

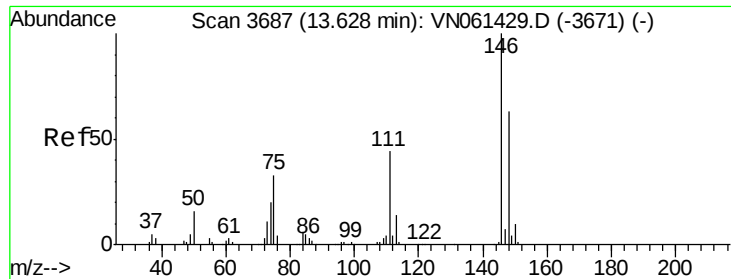
Tot Ion	91	Resp	290419
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	26.2	12.4	37.4



#90
Hexachloroethane
Concen: 19.568 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Tgt Ion	117	Resp	45657
Ion	Ratio	Lower	Upper
117	100		
201	68.5	32.9	98.7

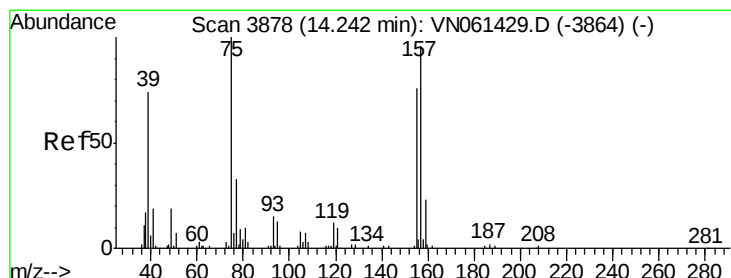
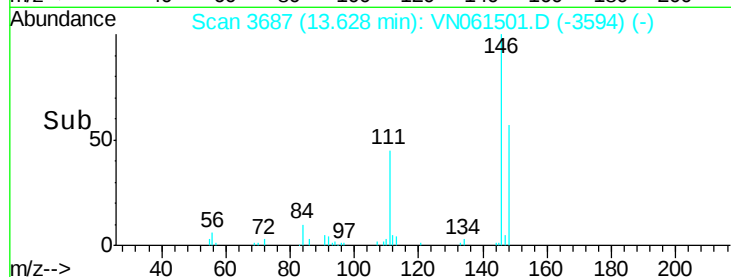
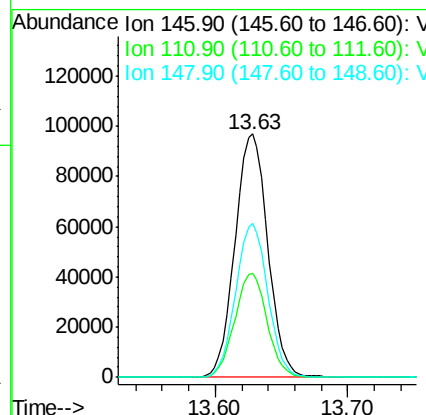
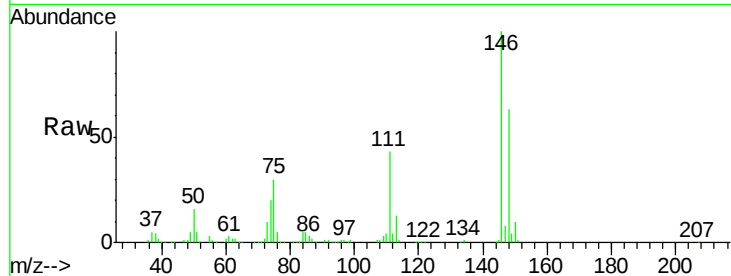




#91
 1,2-Dichlorobenzene
 Concen: 21.422 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

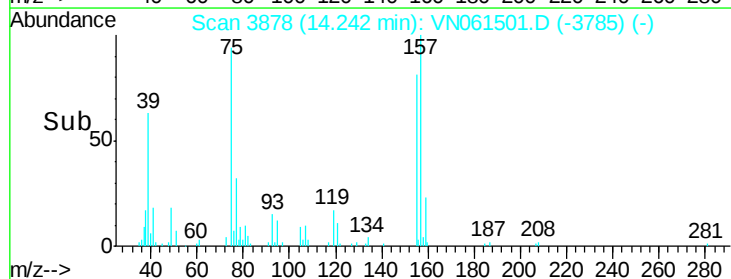
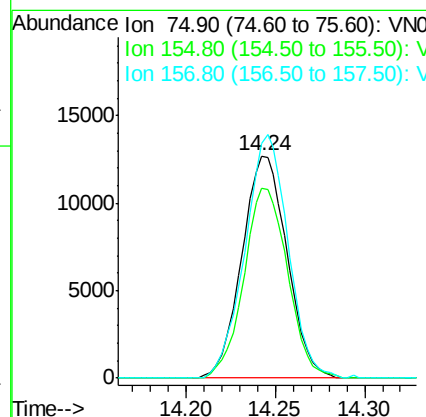
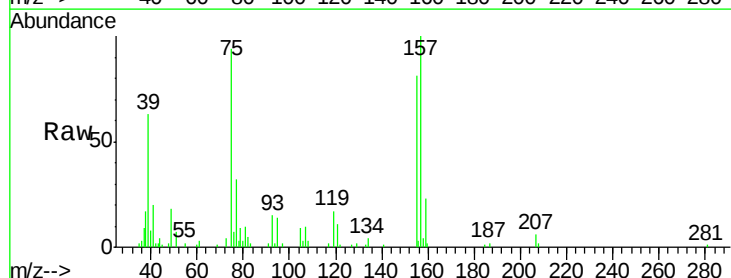
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

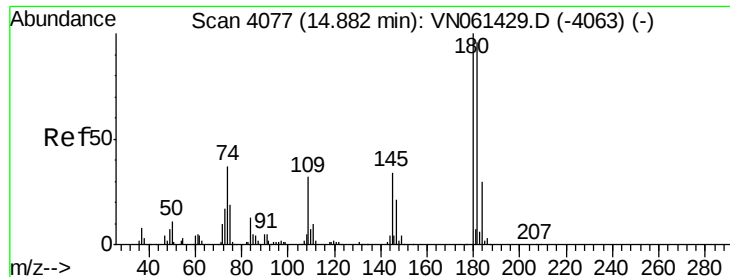
Tot Ion:146 Resp: 166847
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.9 65.7
 148 61.9 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.782 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion: 75 Resp: 22475
 Ion Ratio Lower Upper
 75 100
 155 82.8 38.9 116.7
 157 104.6 48.6 145.8

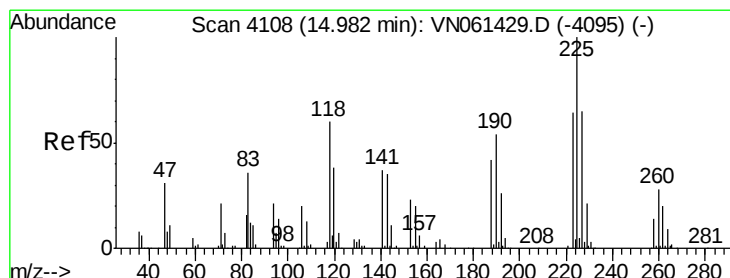
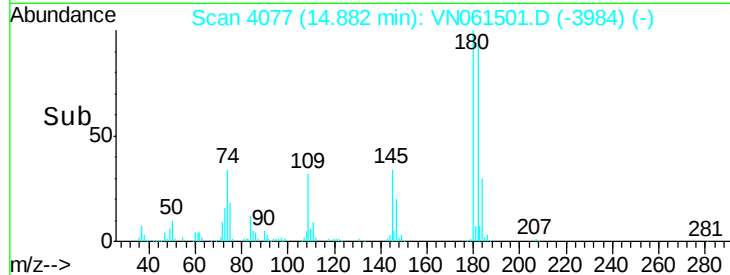
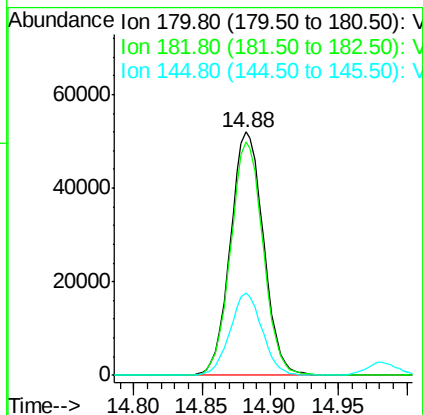
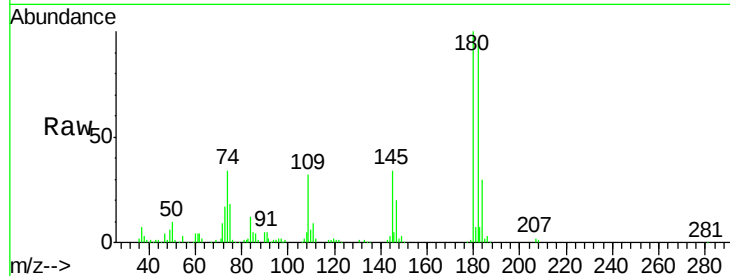




#93
 1,2,4-Trichlorobenzene
 Concen: 20.730 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

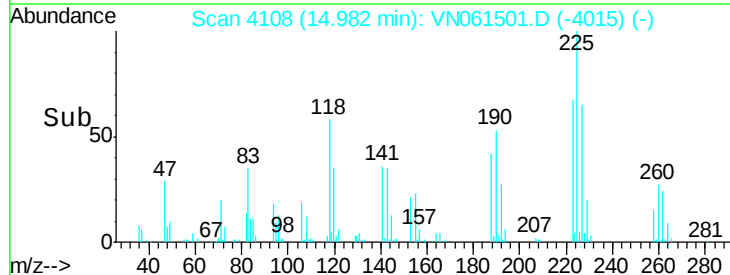
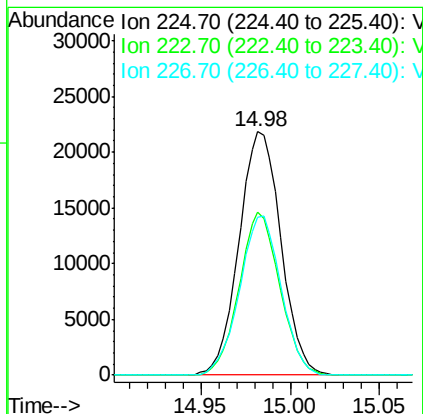
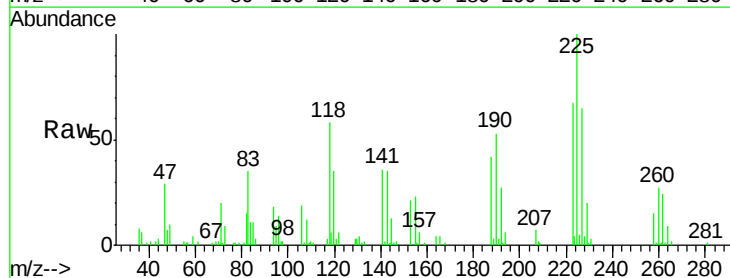
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBS01

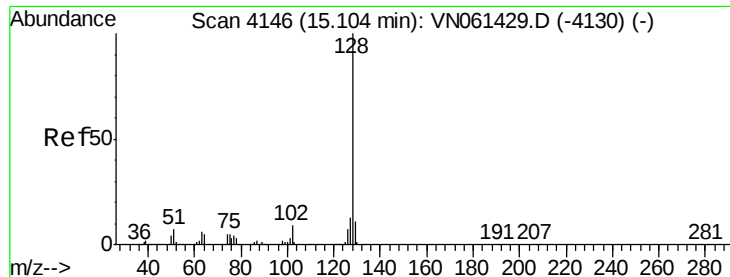
Tot Ion:180 Resp: 87546
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.0 141.0
 145 32.8 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 19.045 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Tgt Ion:225 Resp: 35736
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.9 95.7
 227 64.6 31.5 94.5





#95

Naphthalene

Concen: 21.354 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0520WBS01

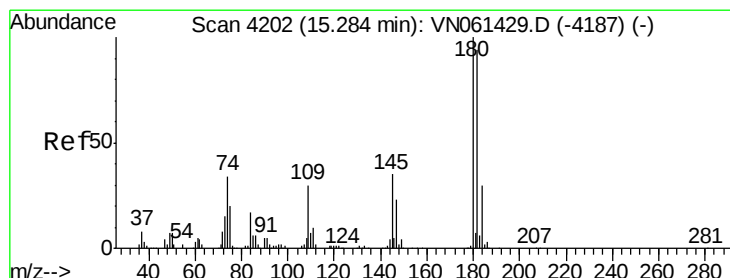
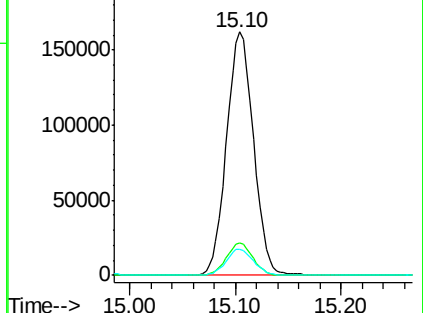
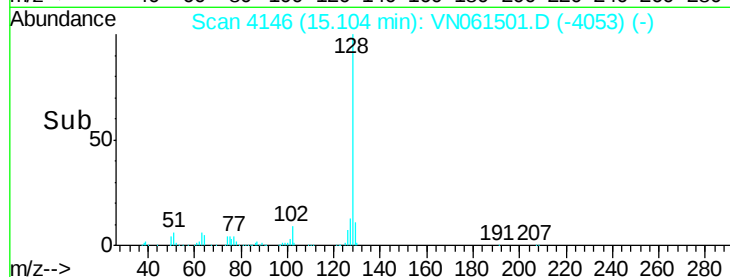
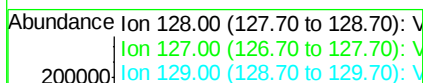
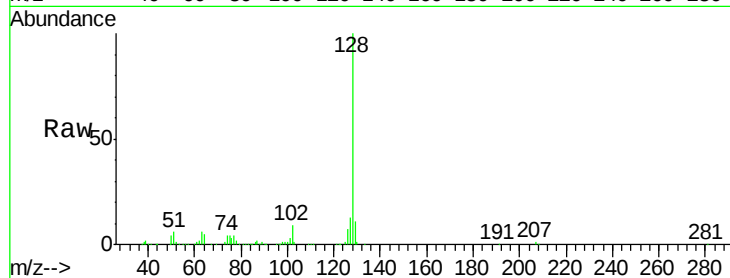
Tot Ion:128 Resp: 286692

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 20.648 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061501.D

Acq: 20 May 2020 15:23

Tgt Ion:180 Resp: 86806

Ion Ratio Lower Upper

180 100

182 96.2 47.8 143.3

145 34.3 17.3 51.9

