

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 :

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						
33) 1,2-Dichloroethane-d4	7.99	65	215767	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	
35) Dibromofluoromethane	7.54	113	153049	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.06	98	679813	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.37	95	255033	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	

Target Compounds						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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 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)
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

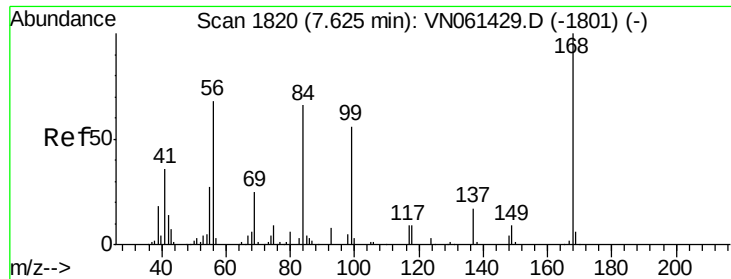
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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

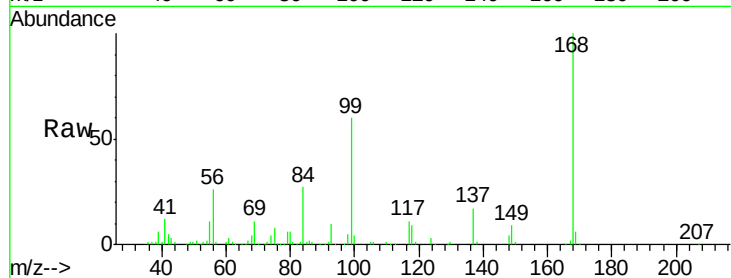
ClientSampleId :

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

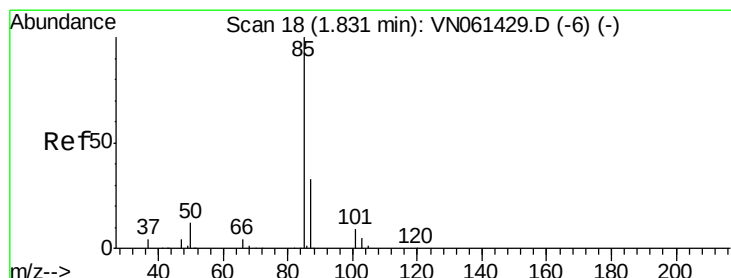
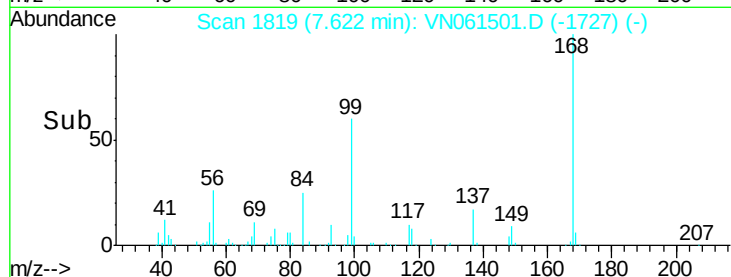
100000

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

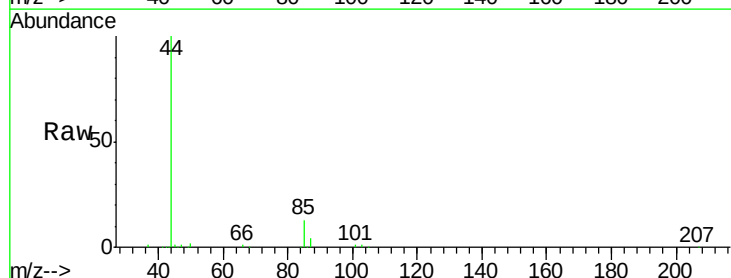
Acq: 20 May 2020 15:23

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

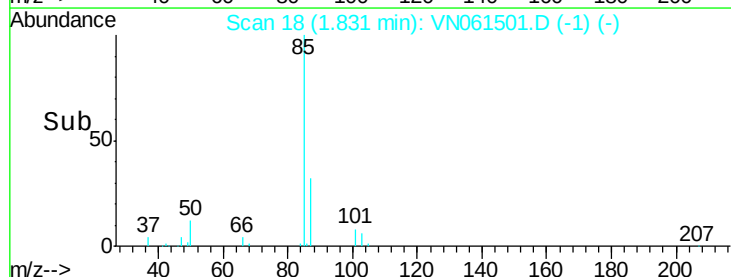
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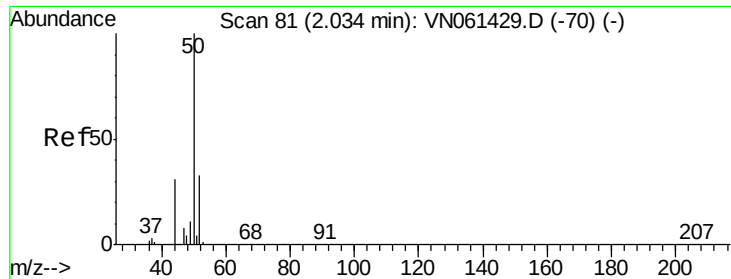
10000

0

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

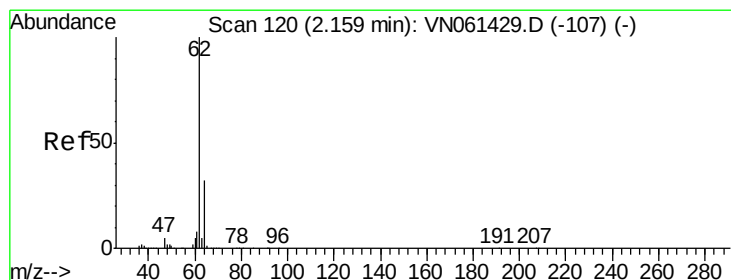
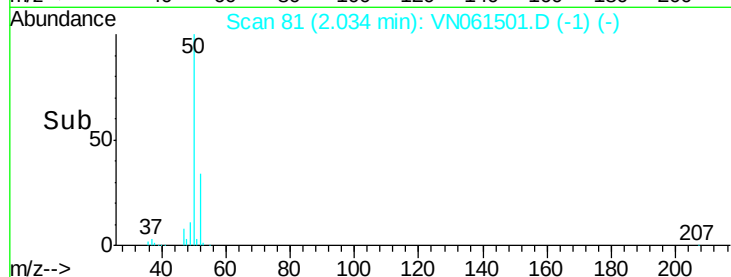
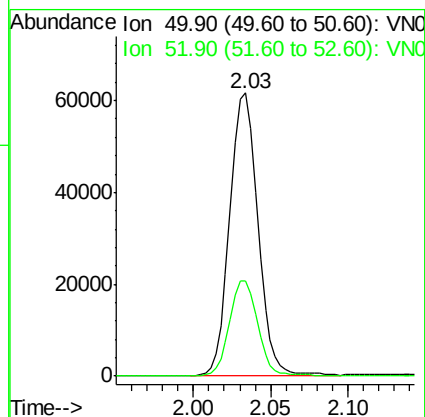
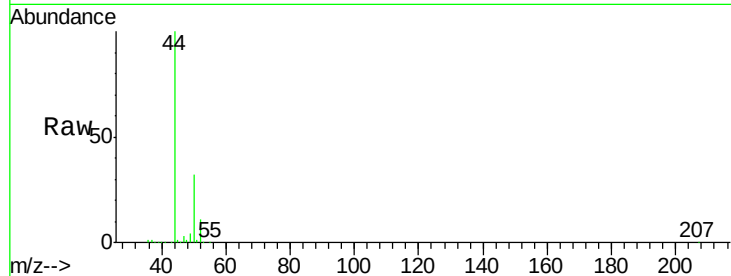
ClientSampled :

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

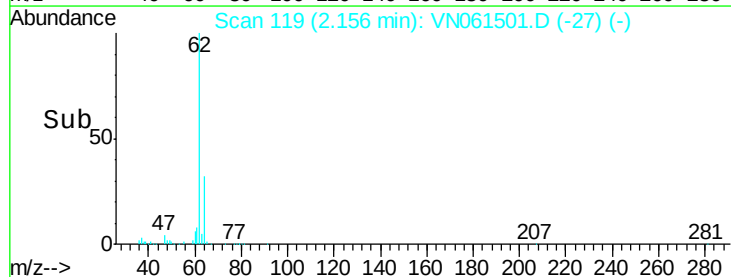
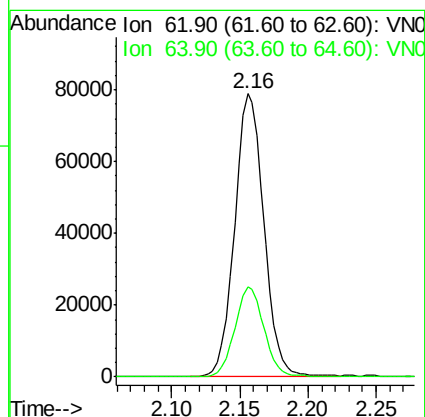
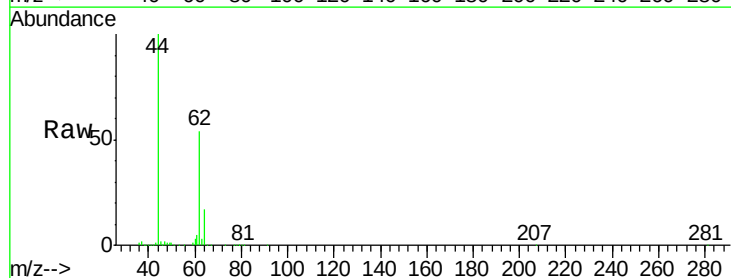
Acq: 20 May 2020 15:23

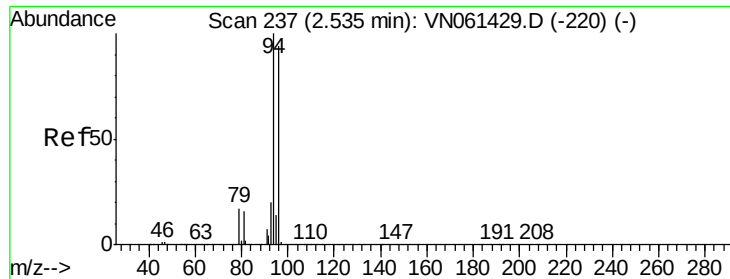
Tgt Ion: 62 Resp: 117528

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

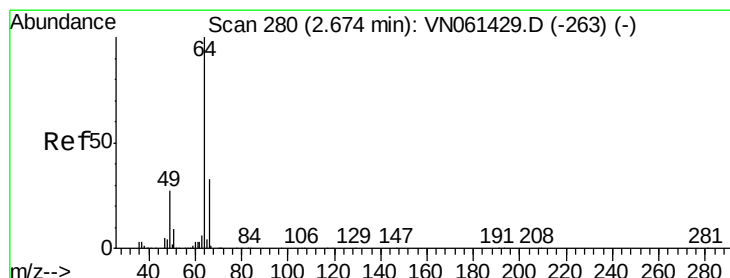
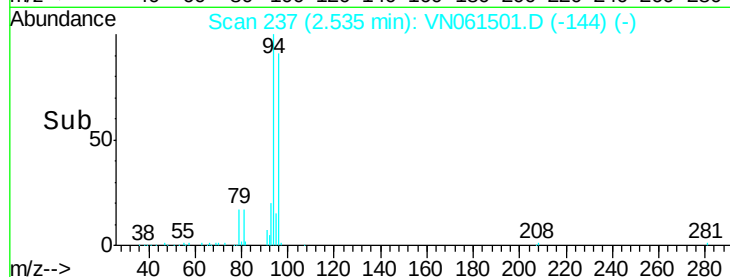
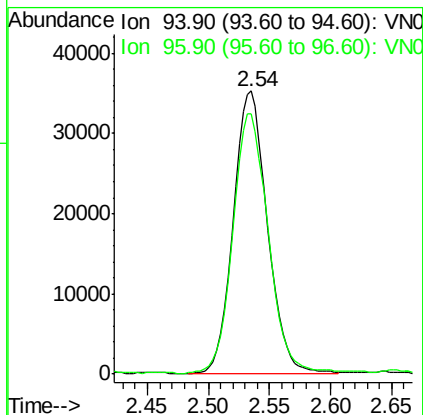
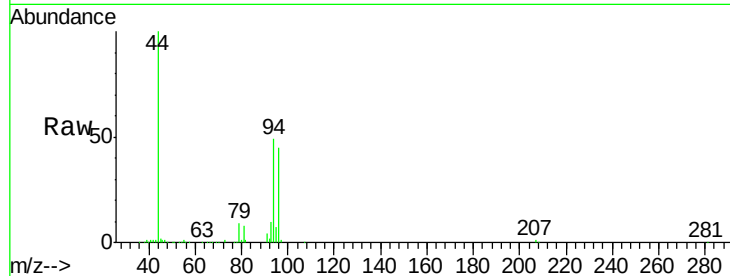
ClientSampleId :

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

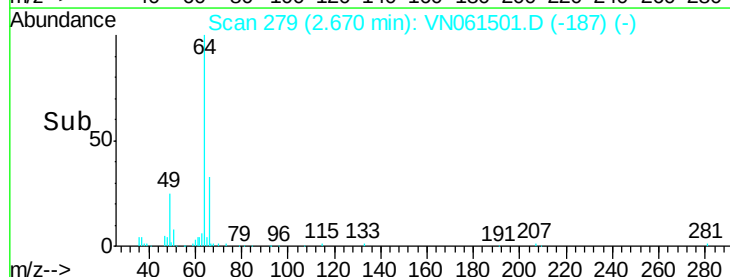
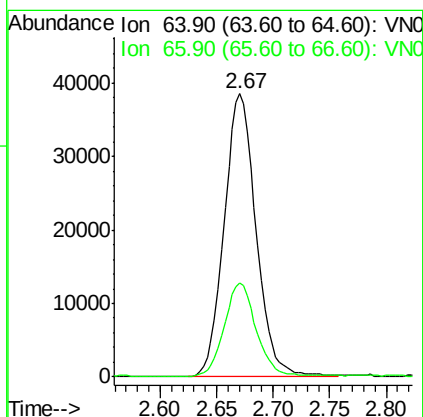
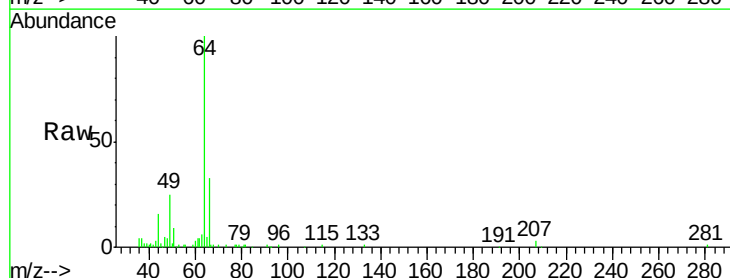
Acq: 20 May 2020 15:23

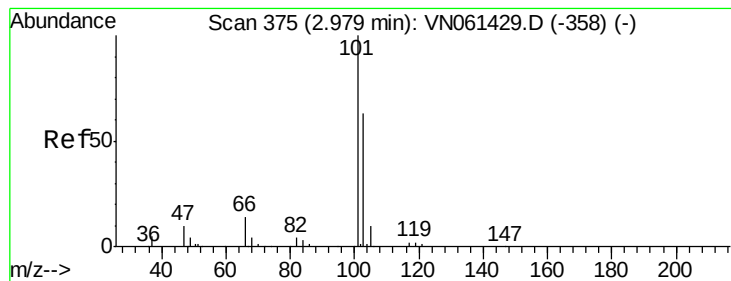
Tgt Ion: 64 Resp: 75917

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5



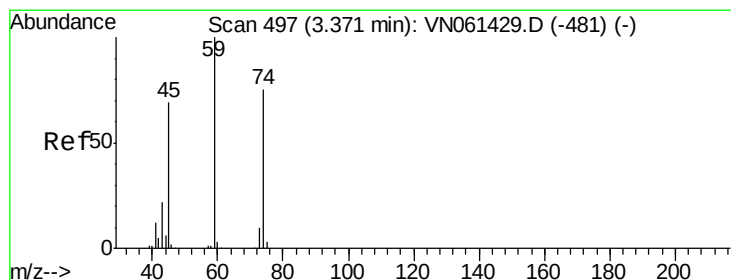
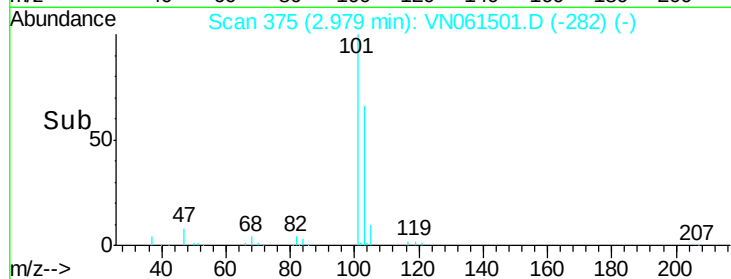
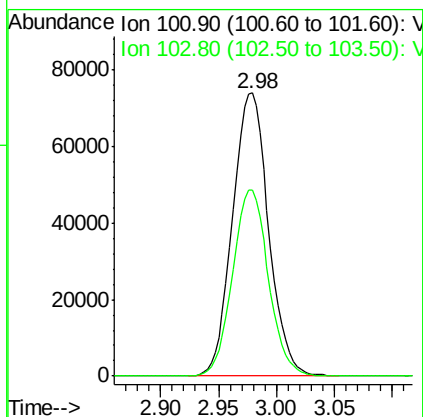
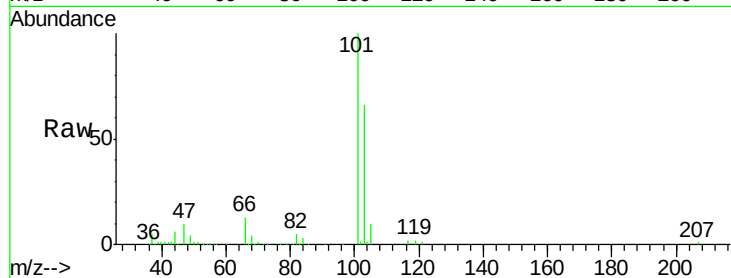


#7

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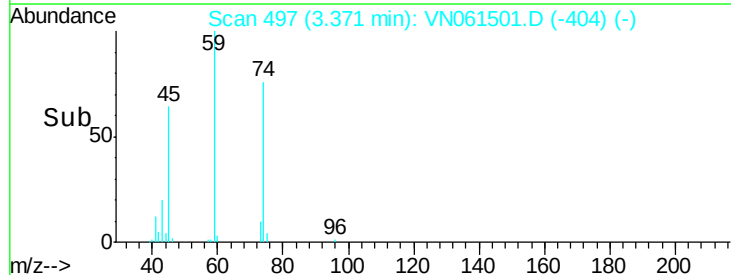
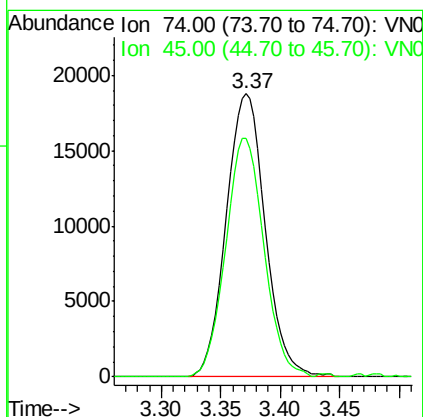
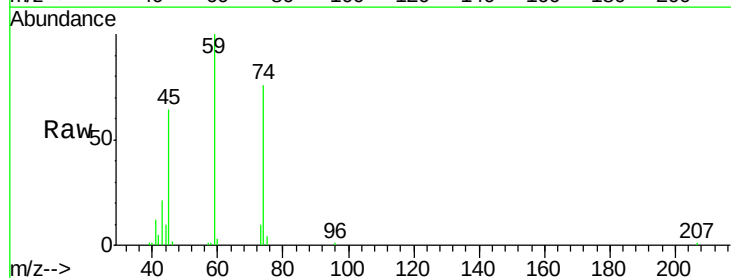
Tot Ion:101 Resp: 159167
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.2 75.4

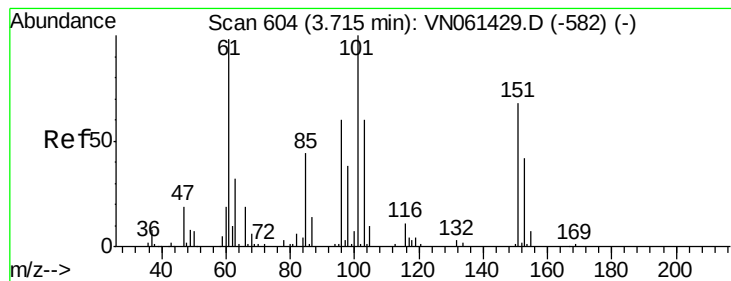


#8

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

ClientSampled :

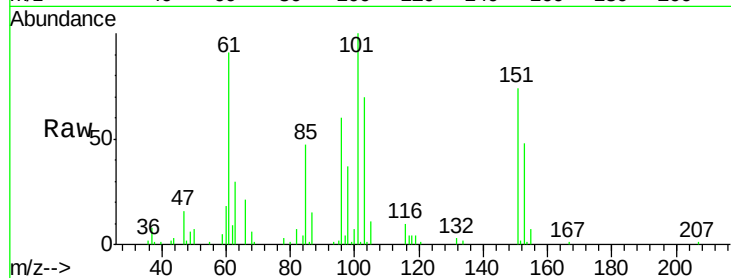
Tot Ion:101 Resp: 65855

Ion Ratio Lower Upper

101 100

85 45.3 36.6 55.0

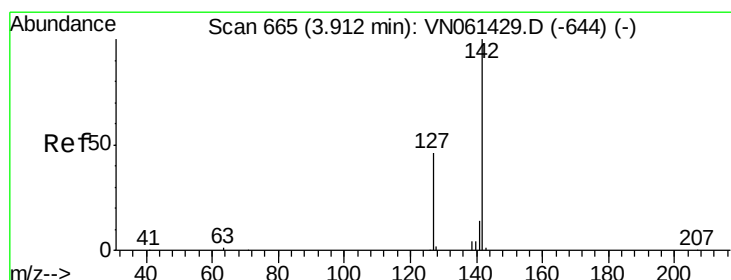
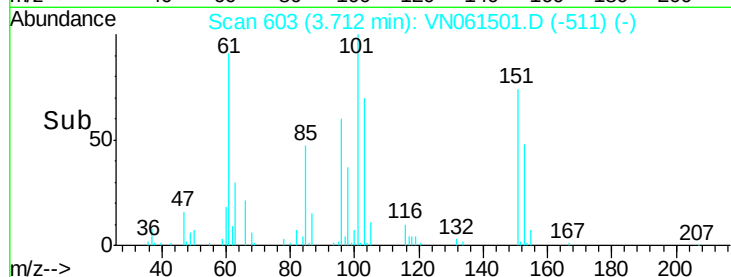
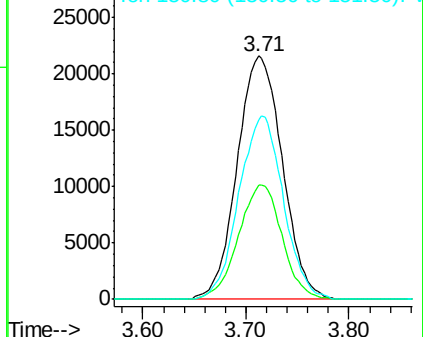
151 73.9 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

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

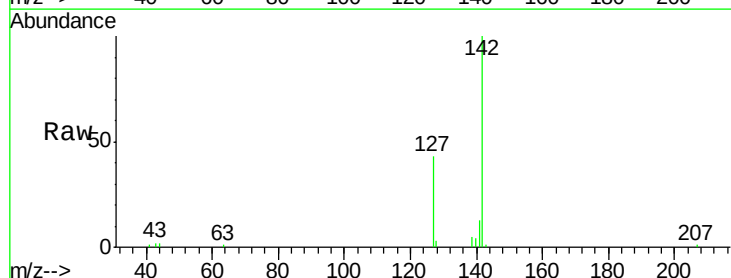
Tgt Ion:142 Resp: 81389

Ion Ratio Lower Upper

142 100

127 44.4 36.7 55.1

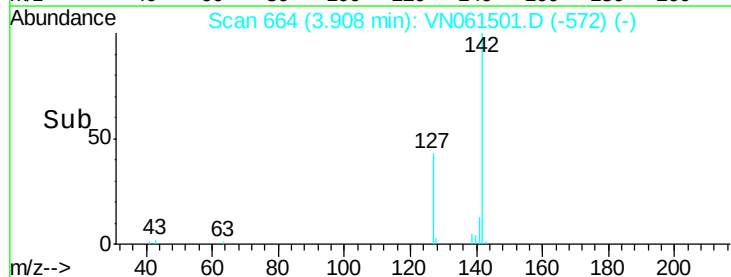
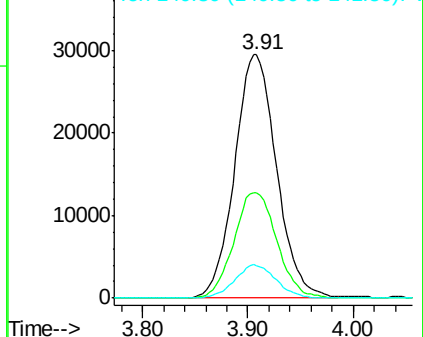
141 13.4 11.5 17.3

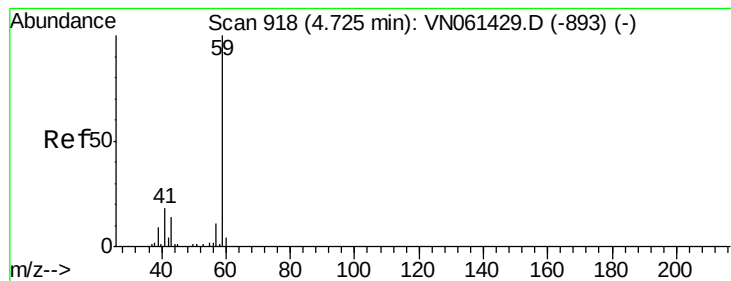


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



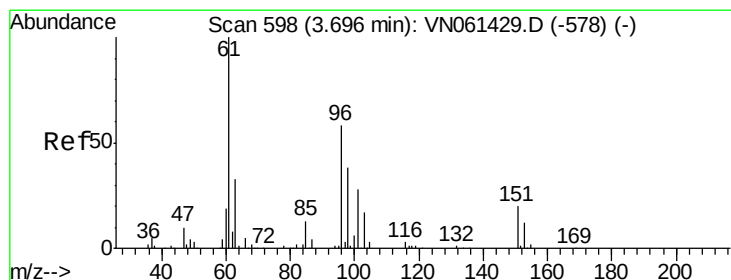
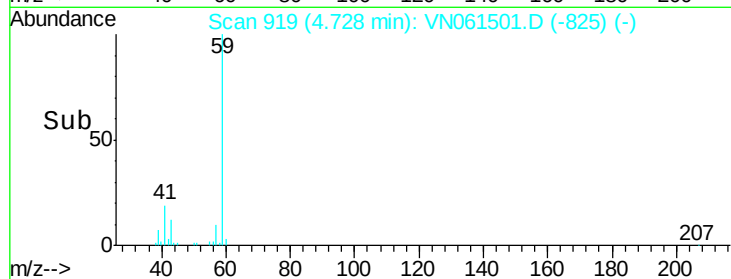
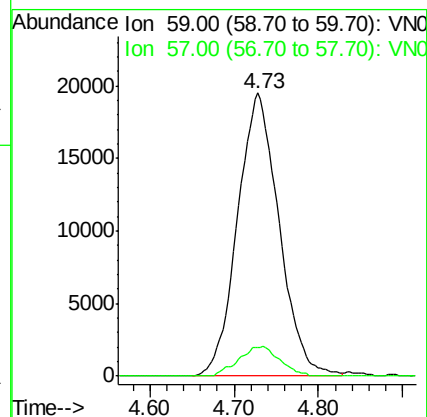
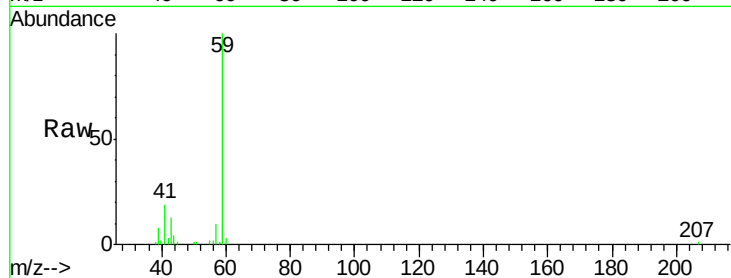


#11

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 :

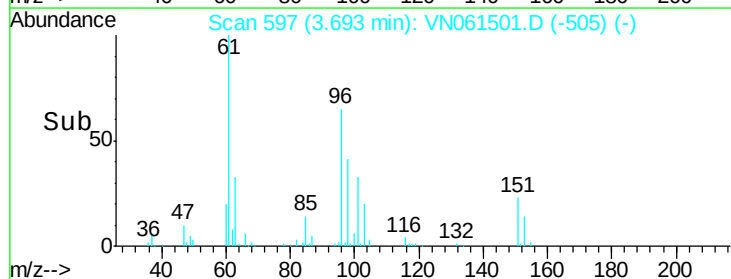
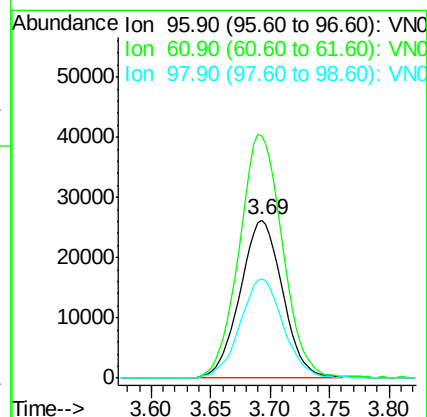
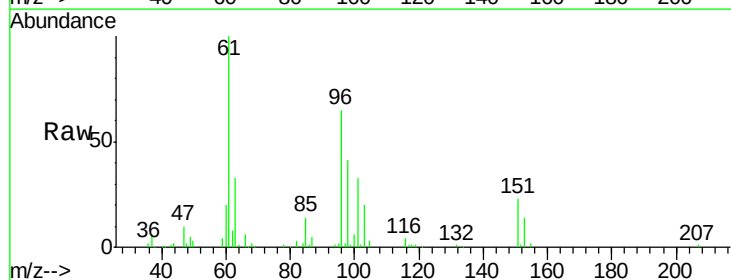
Tot Ion: 59 Resp: 66826
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

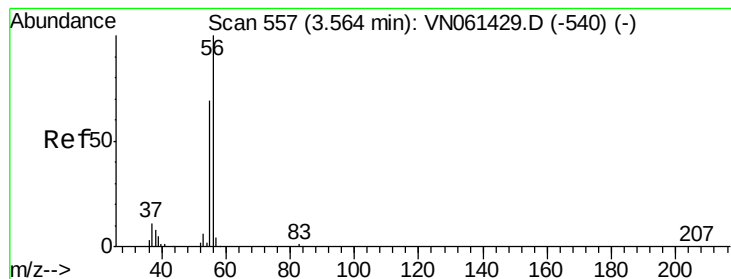


#12

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

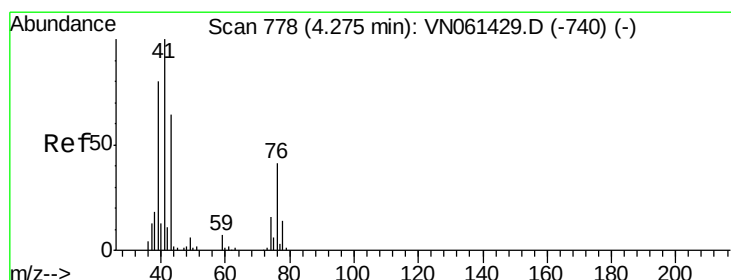
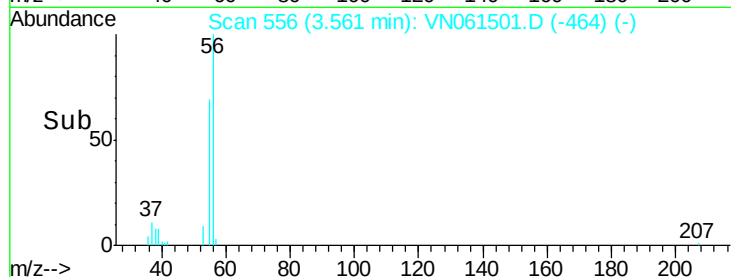
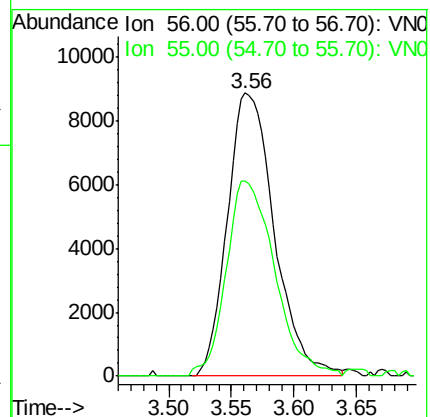
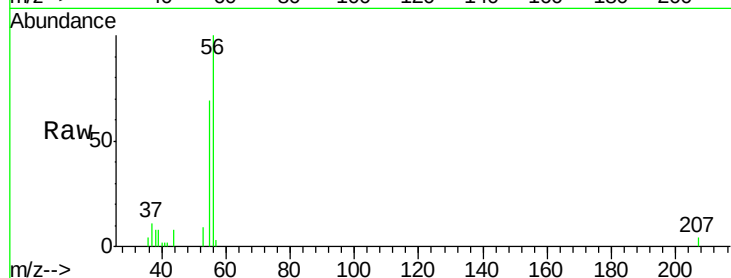
ClientSampleId :

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

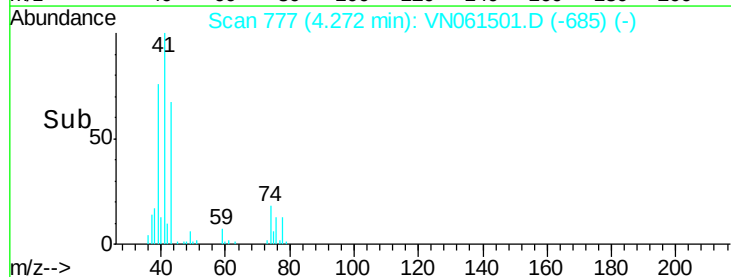
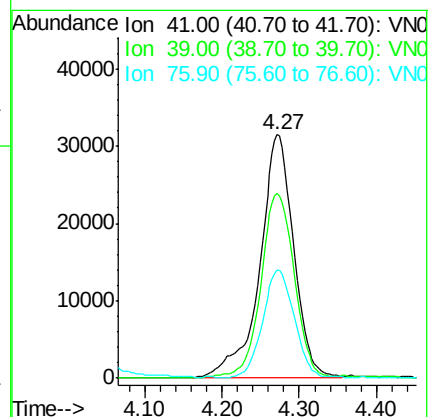
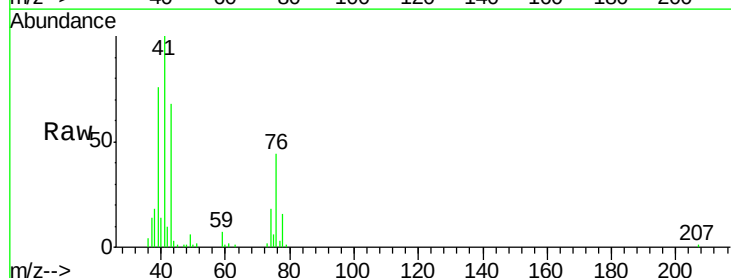
Tgt Ion: 41 Resp: 96578

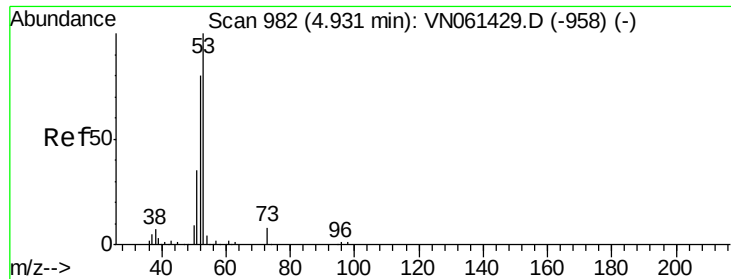
Ion Ratio Lower Upper

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 :

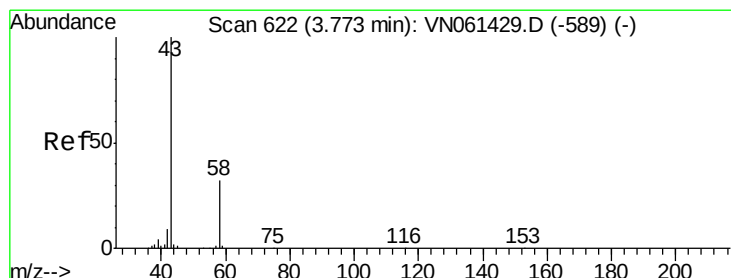
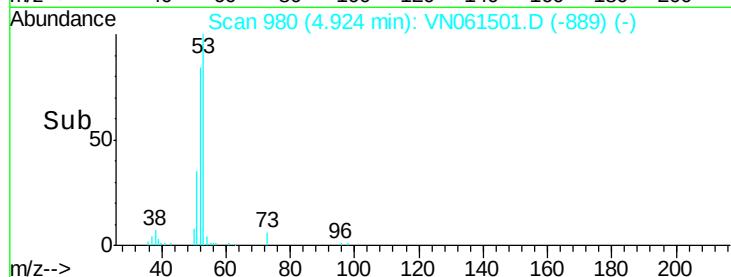
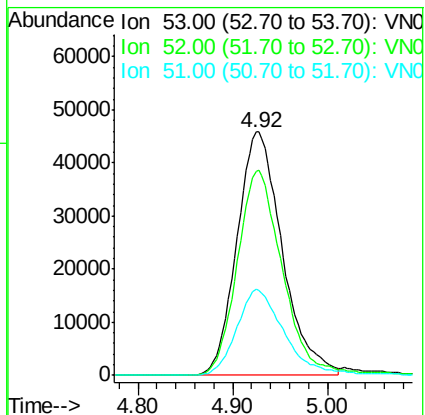
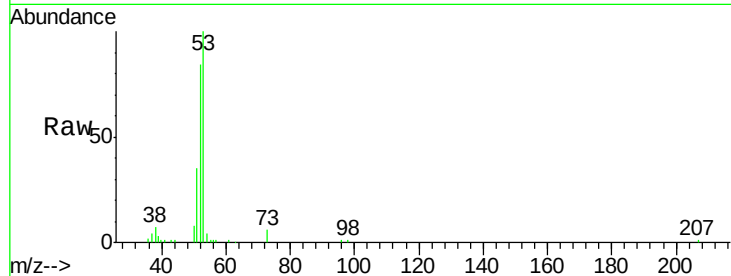
Tot Ion: 53 Resp: 152495

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

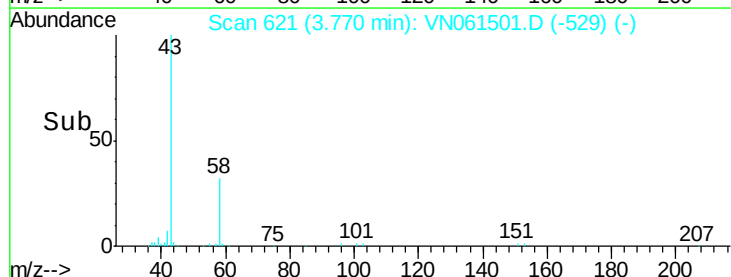
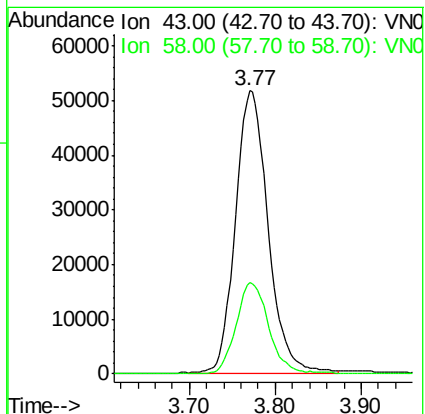
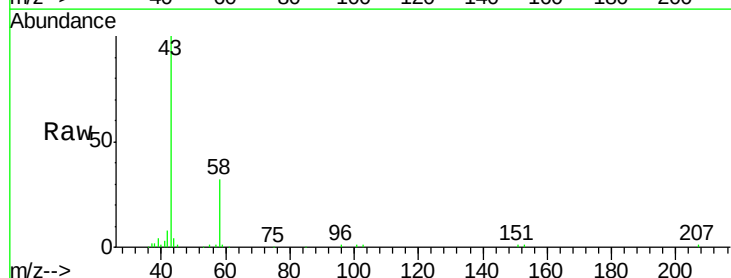
Acq: 20 May 2020 15:23

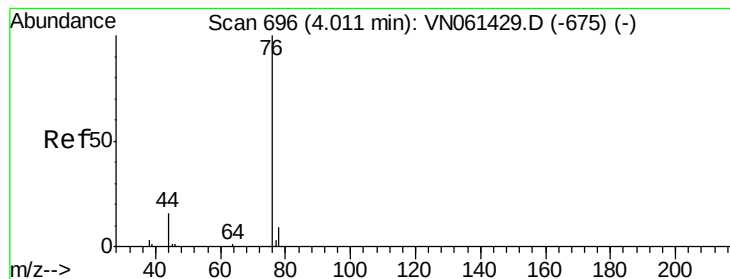
Tgt Ion: 43 Resp: 135302

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

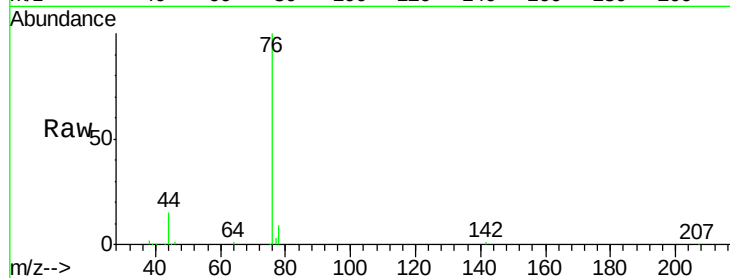
ClientSampled :

Tot Ion: 76 Resp: 141372

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-675) (-)

4.01

60000

50000

40000

30000

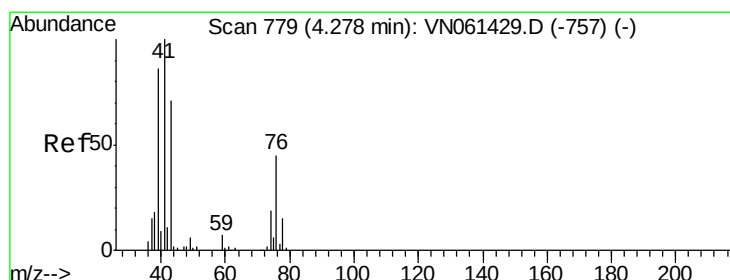
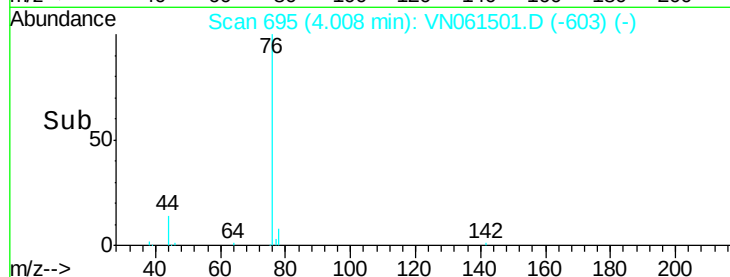
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 18.319 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061501.D

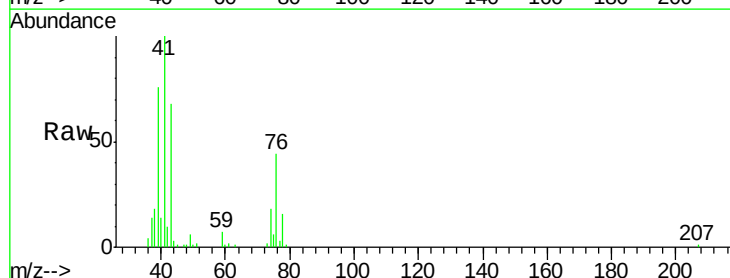
Acq: 20 May 2020 15:23

Tgt Ion: 43 Resp: 62879

Ion Ratio Lower Upper

43 100

74 27.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN061429.D (-757) (-)

4.27

25000

20000

15000

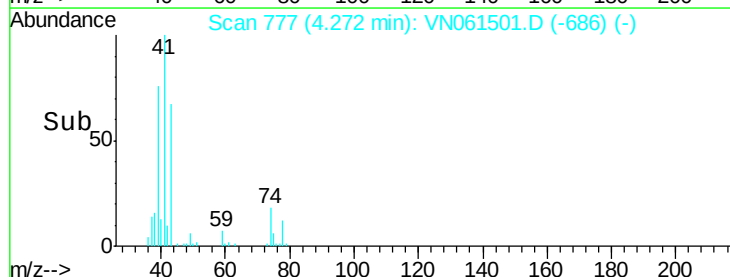
10000

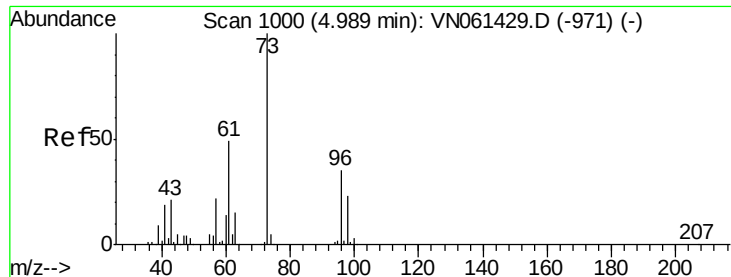
5000

0

Time-->

4.20 4.30 4.40

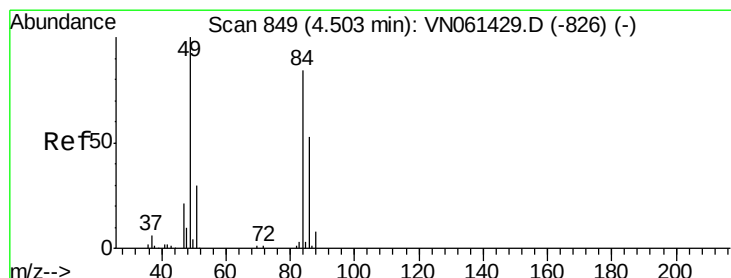
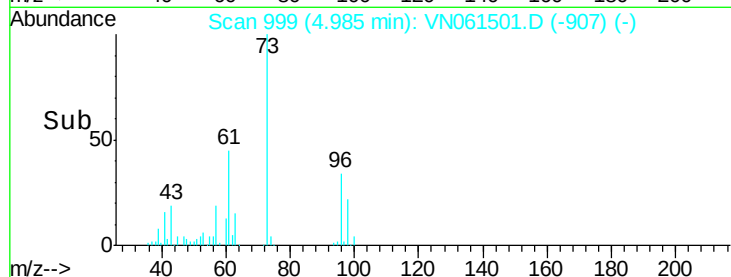
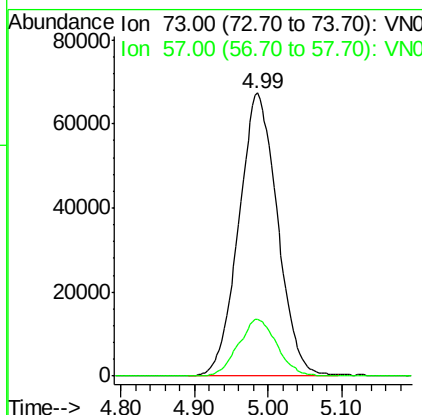
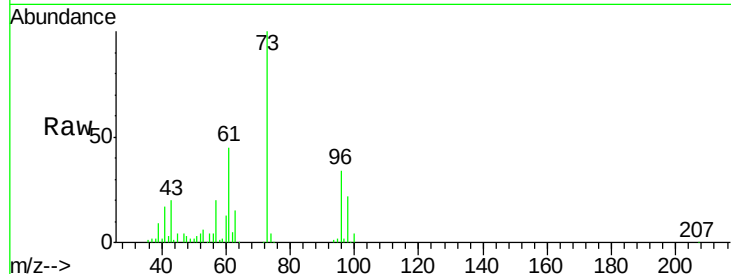




#19
Methvl tert-butvl Ether
Concen: 19.544 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

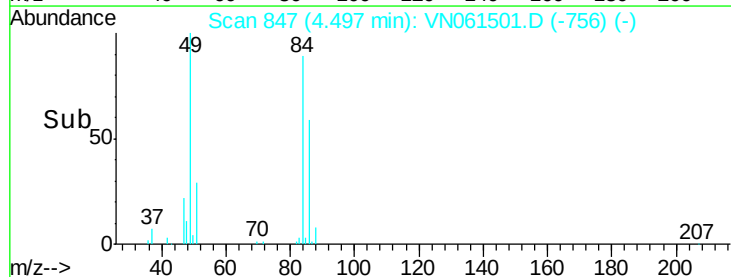
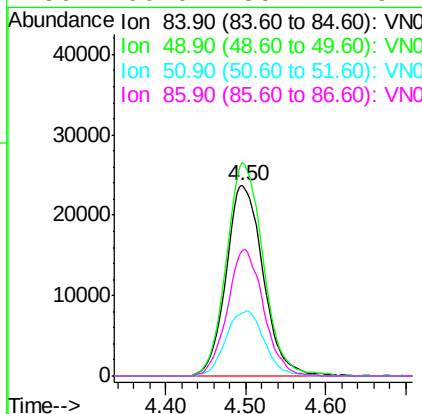
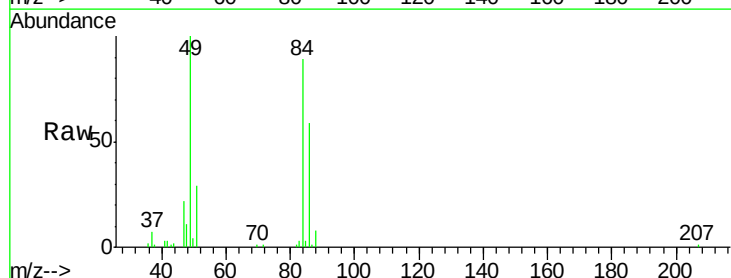
Instrument :
MSVOA_N
ClientSampleId :

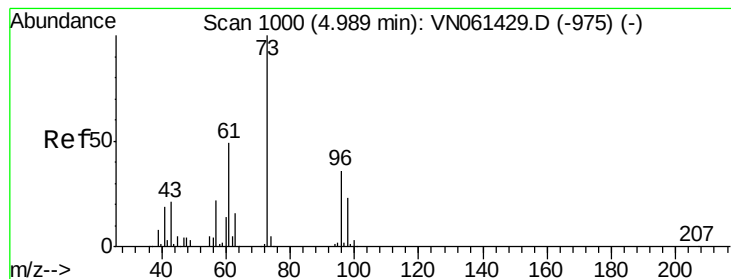
Tot Ion: 73 Resp: 245849
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0



#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 :

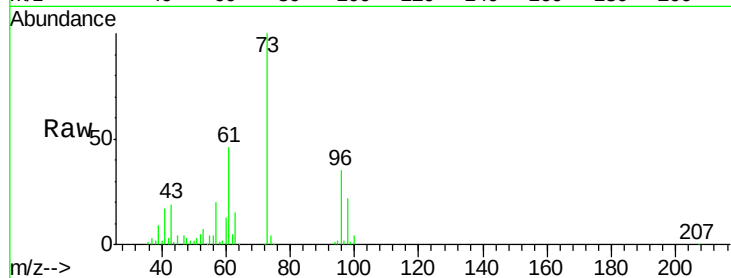
Tot Ion: 96 Resp: 74414

Ion Ratio Lower Upper

96 100

61 132.5 109.8 164.6

98 64.1 52.4 78.6

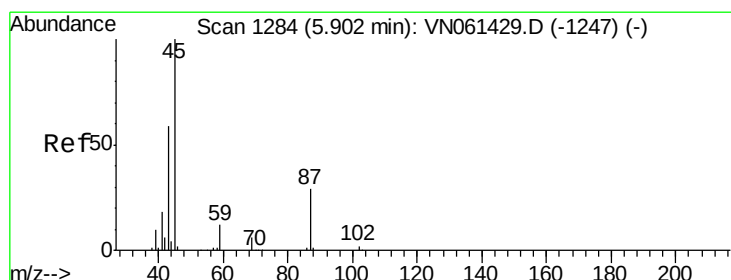
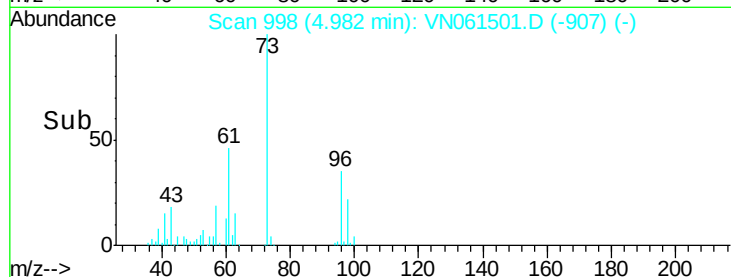
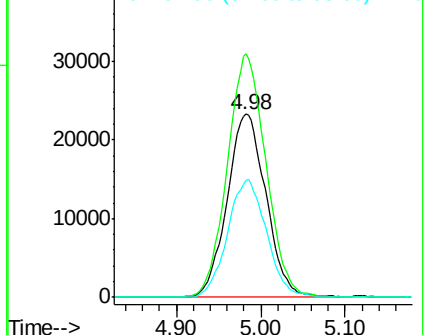


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#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

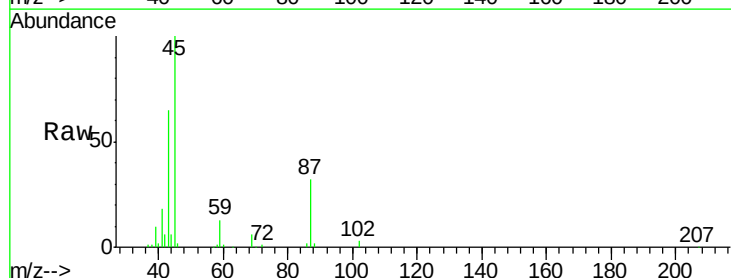
Ion Ratio Lower Upper

45 100

43 62.8 47.9 71.9

87 32.3 24.0 36.0

59 13.1 9.7 14.5



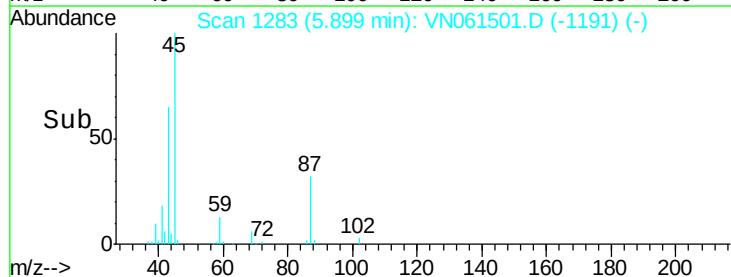
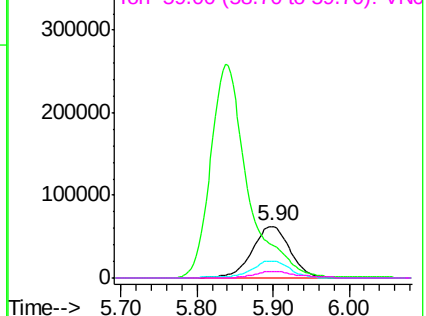
Abundance

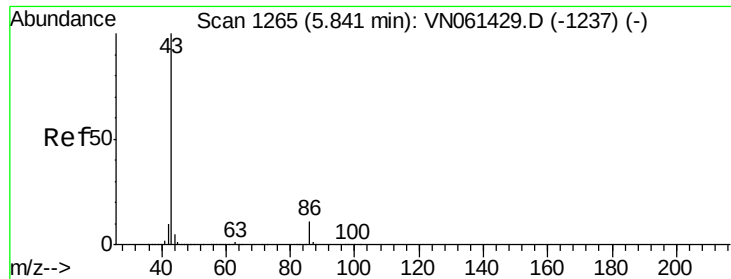
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

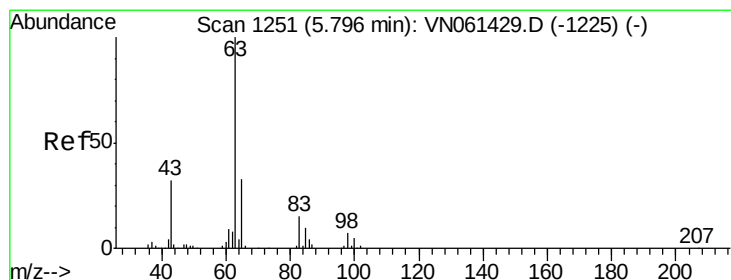
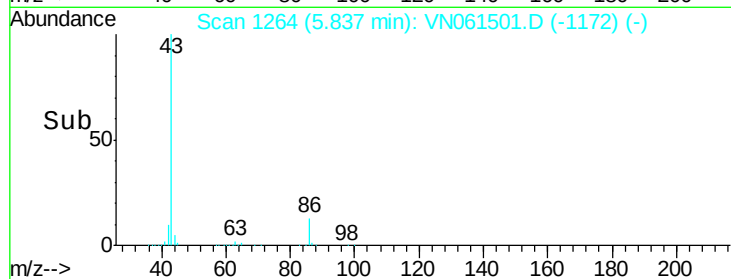
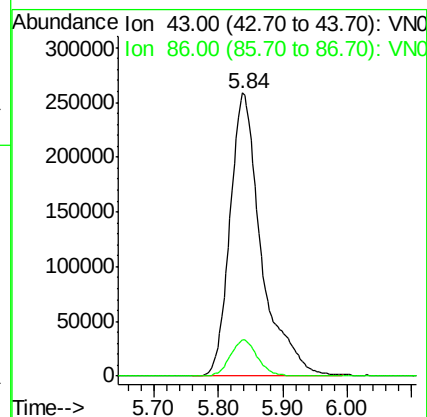
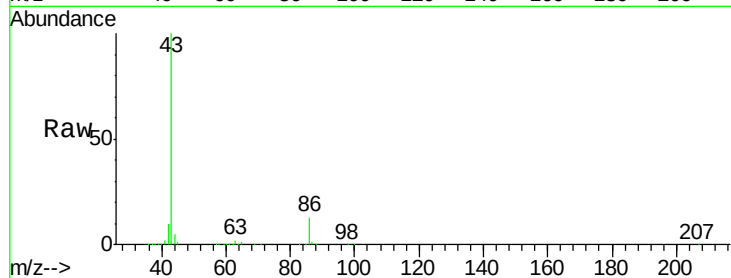




#23
 Vinyl Acetate
 Concen: 91.178 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

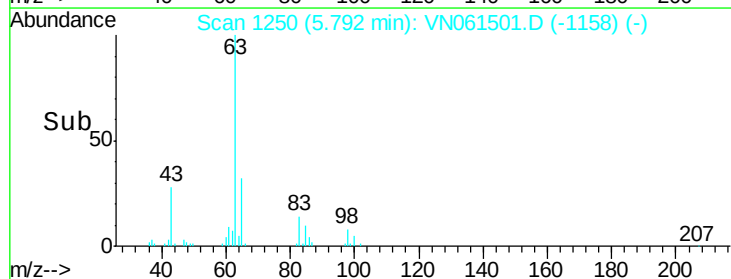
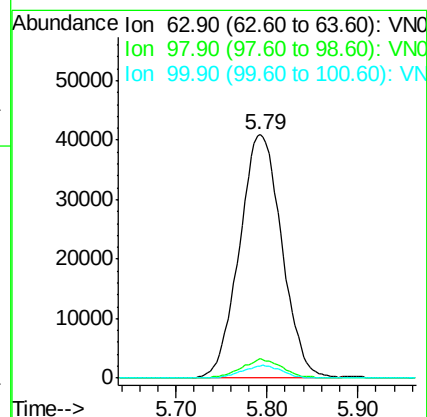
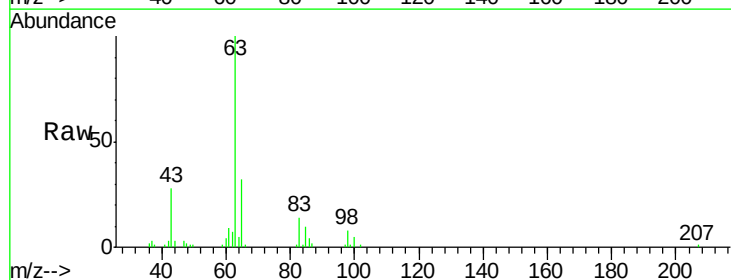
Instrument :
 MSVOA_N
 ClientSampled :

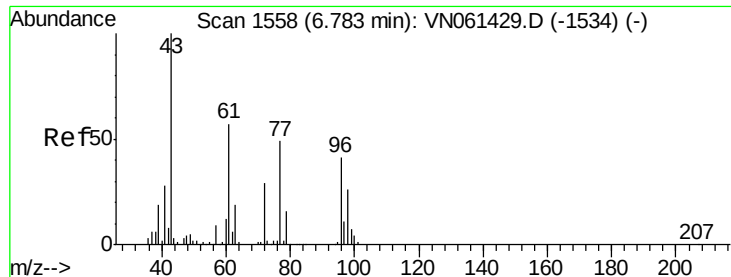
Tot Ion: 43 Resp: 878951
 Ion Ratio Lower Upper
 43 100
 86 13.0 9.1 13.7



#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

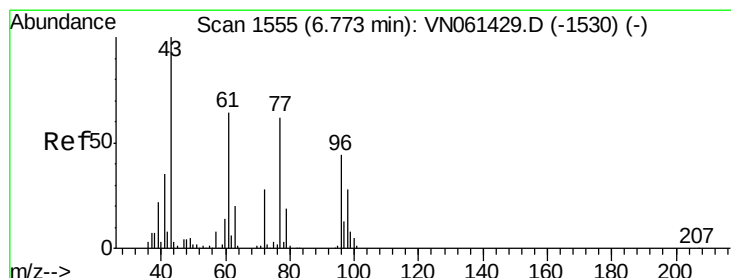
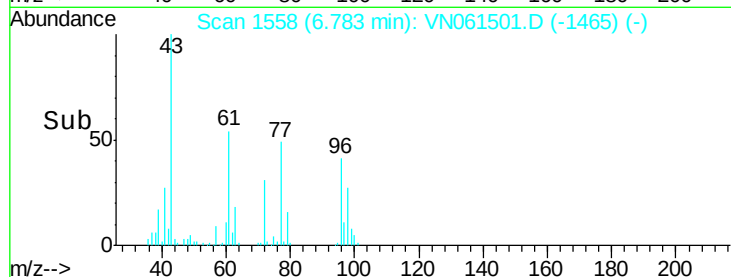
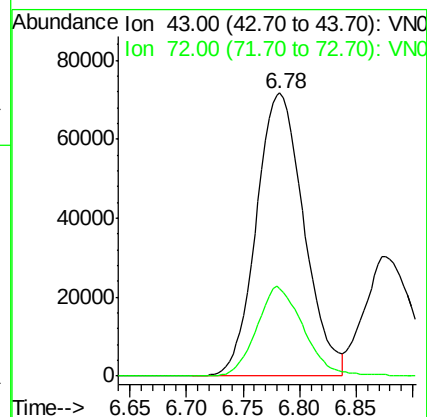
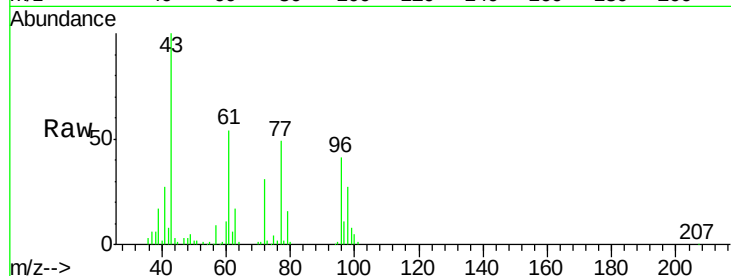
Instrument :
MSVOA_N
ClientSampled :

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

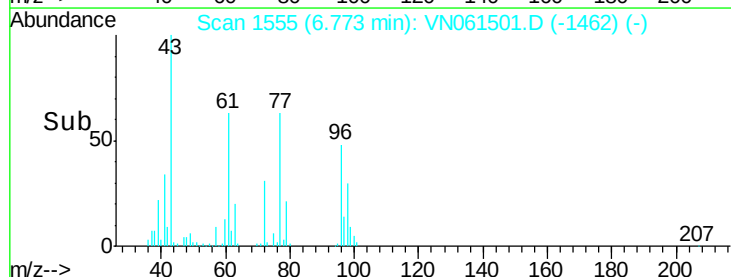
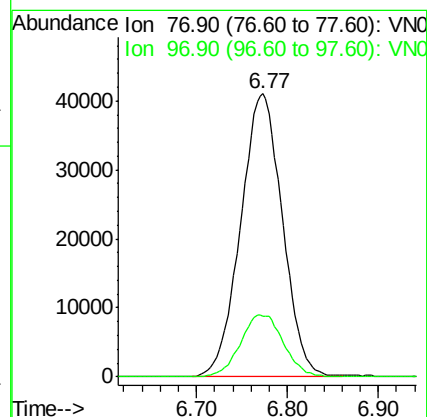
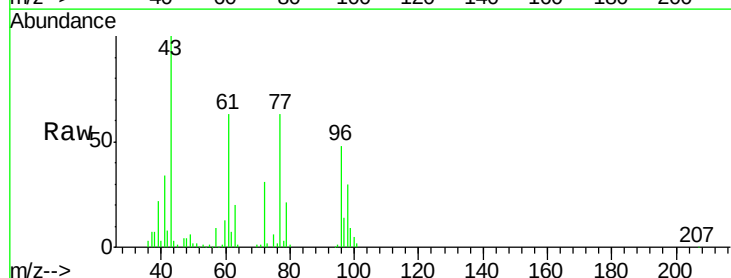
Acq: 20 May 2020 15:23

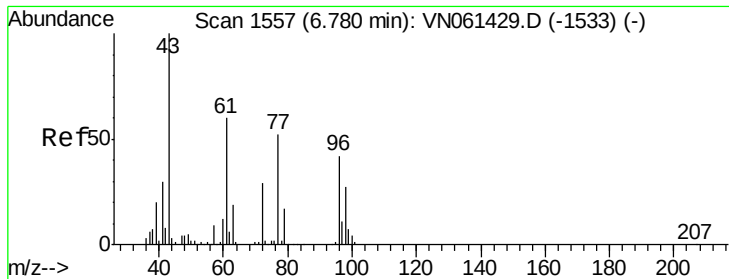
Tgt Ion: 77 Resp: 130852

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
ClientSampleId :

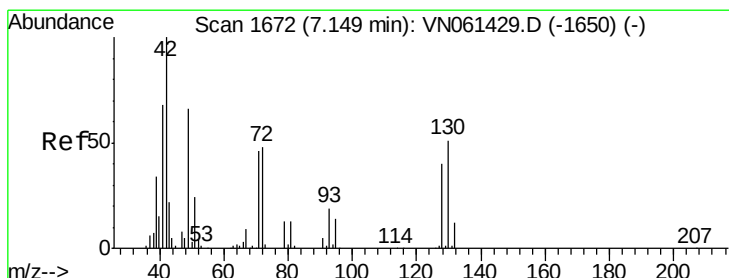
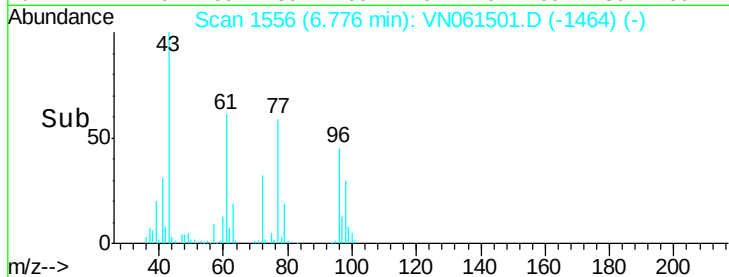
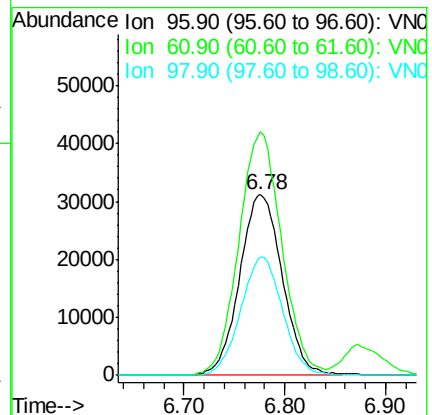
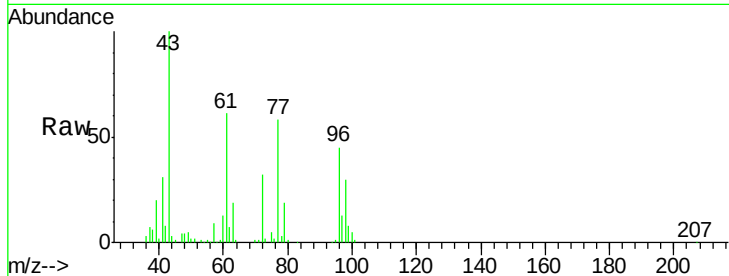
Tot Ion: 96 Resp: 91529

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

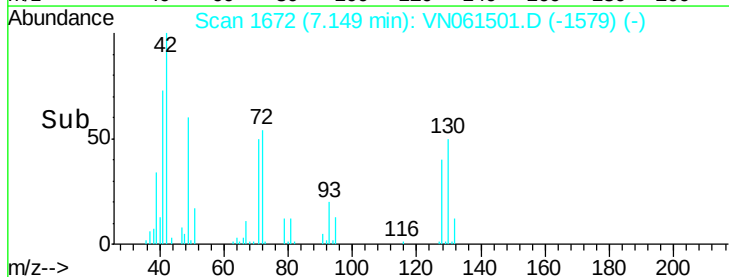
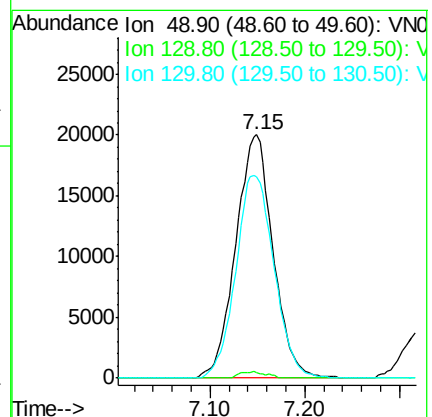
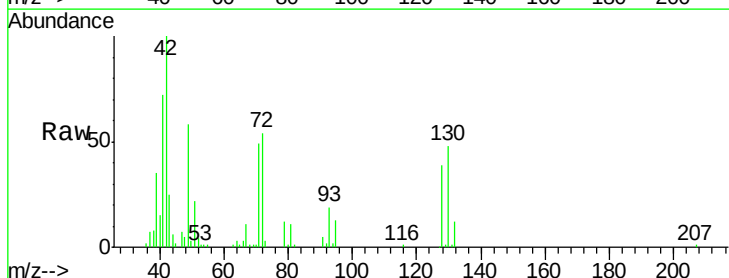
Tgt Ion: 49 Resp: 54786

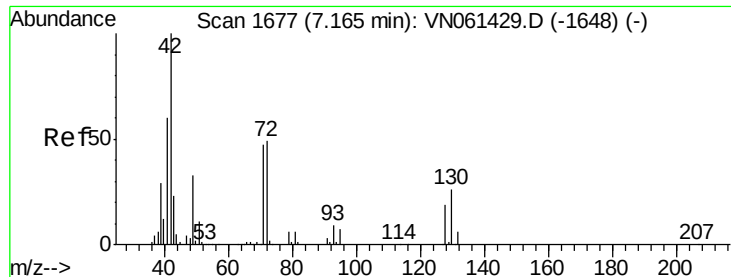
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 86.0 62.2 93.2

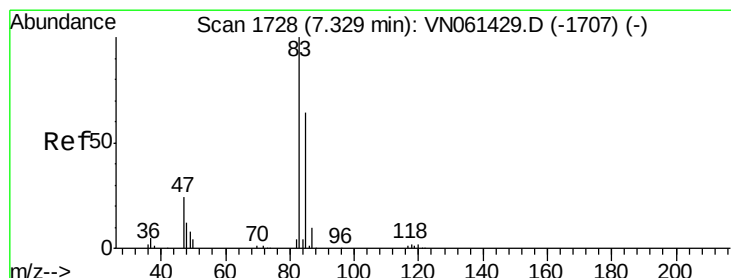
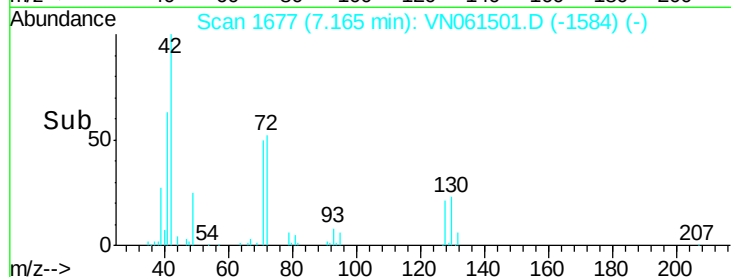
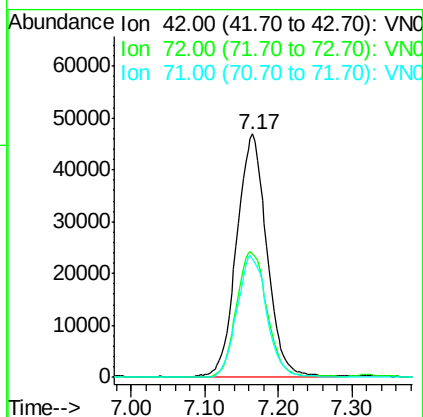
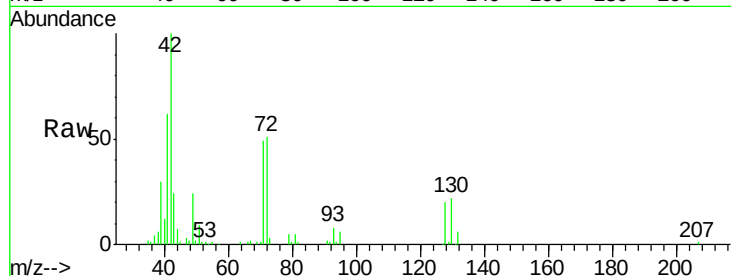




#29
Tetrahydrofuran
Concen: 92.501 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

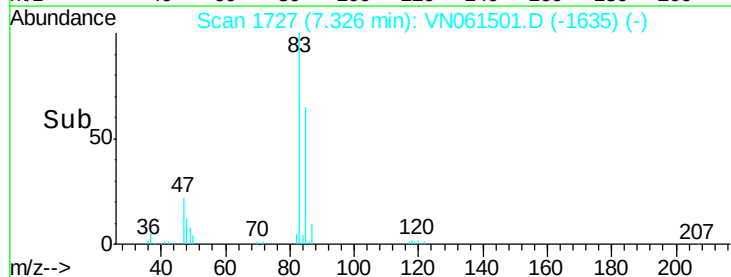
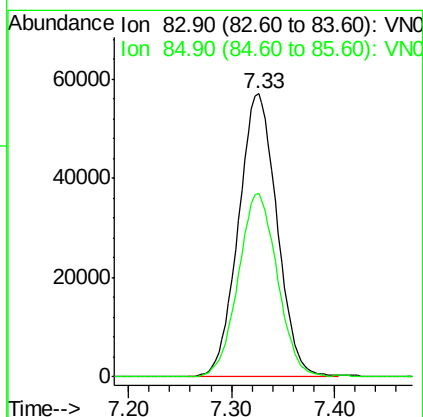
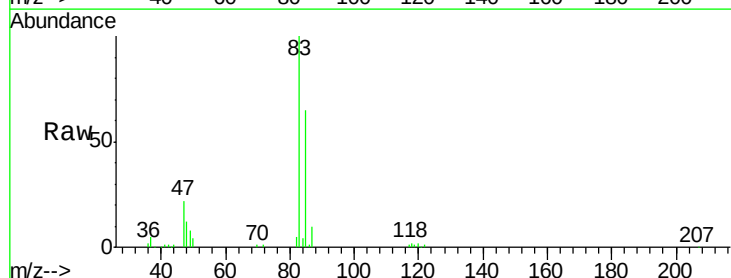
Instrument :
MSVOA_N
ClientSampled :

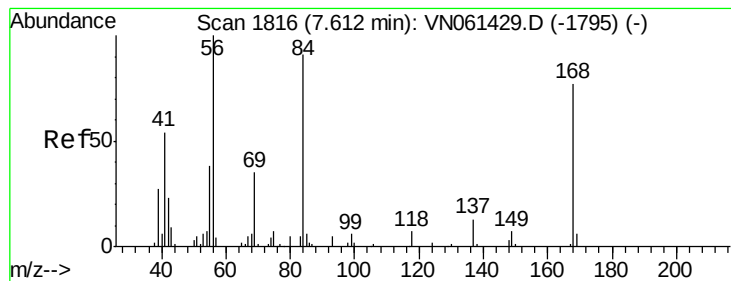
Tot Ion: 42 Resp: 134622
Ion Ratio Lower Upper
42 100
72 52.2 39.0 58.6
71 49.2 36.9 55.3



#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





#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
ClientSampled :

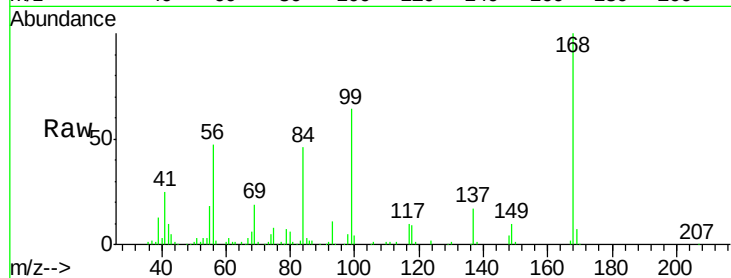
Tot Ion: 56 Resp: 116781

Ion Ratio Lower Upper

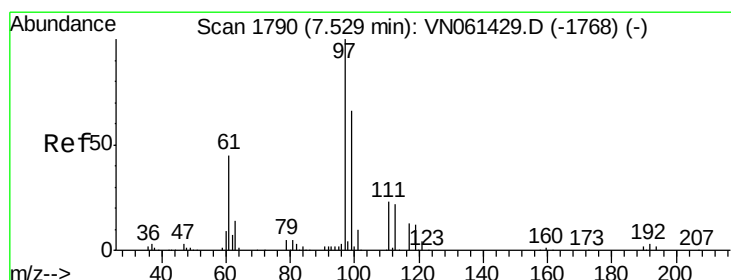
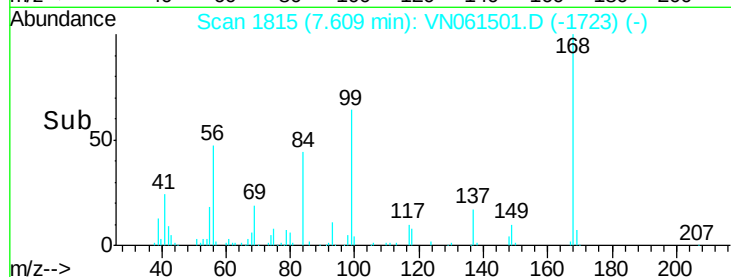
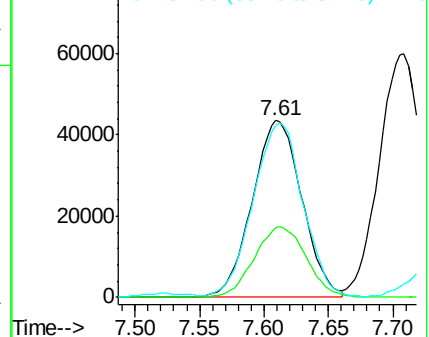
56 100

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

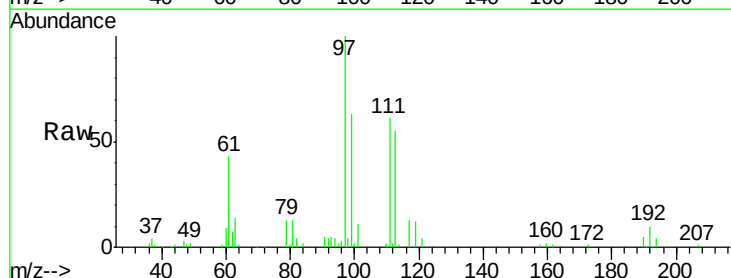
Tgt Ion: 97 Resp: 133762

Ion Ratio Lower Upper

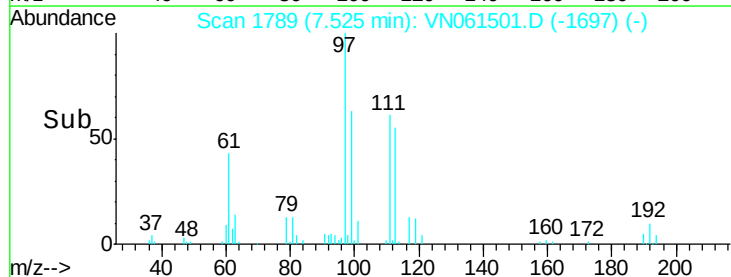
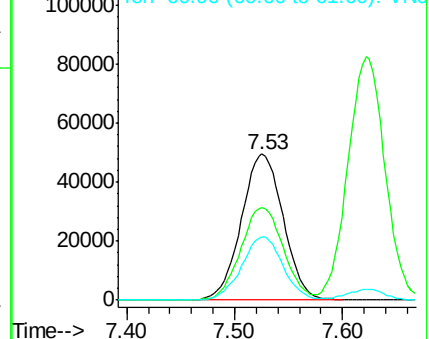
97 100

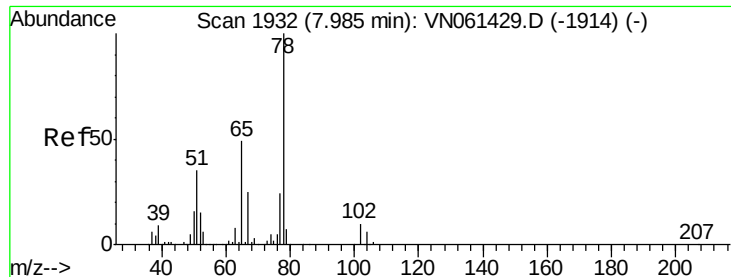
99 64.5 51.5 77.3

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

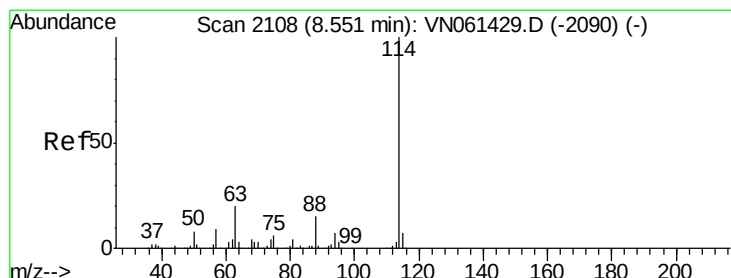
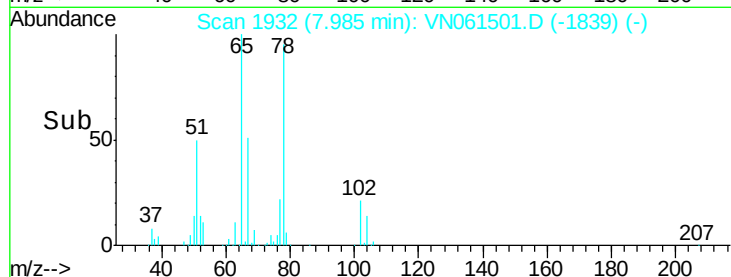
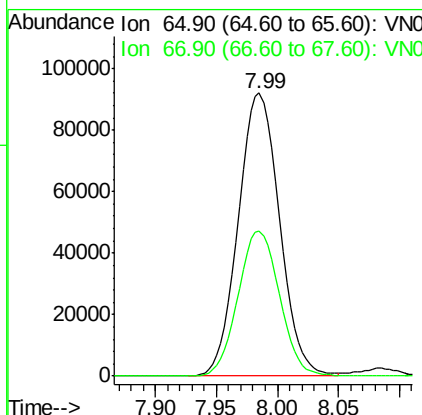
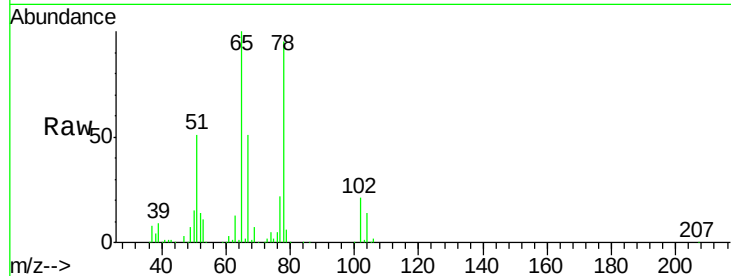




#33
 1,2-Dichloroethane-d4
 Concen: 44.705 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

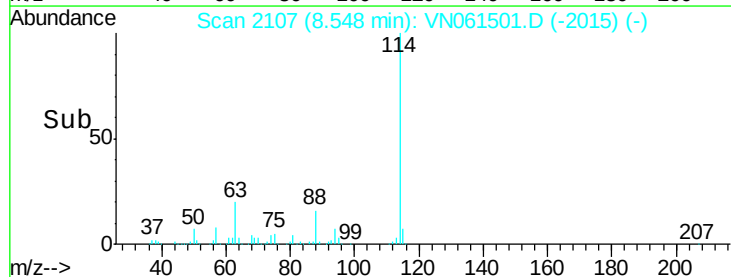
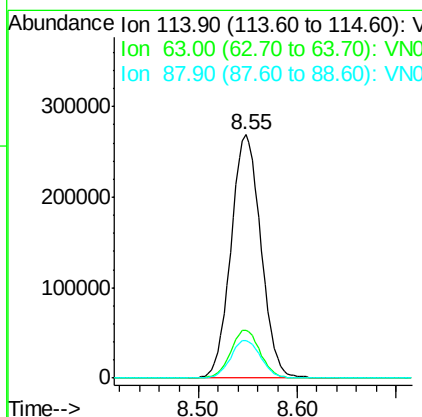
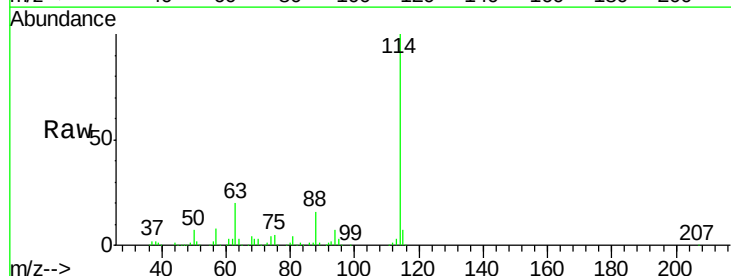
Instrument :
 MSVOA_N
 ClientSampleId :

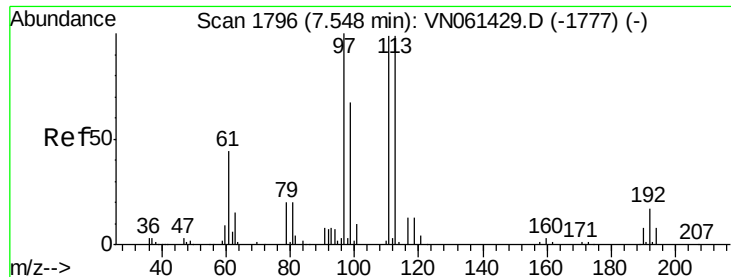
Tot Ion: 65 Resp: 215767
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.4



#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

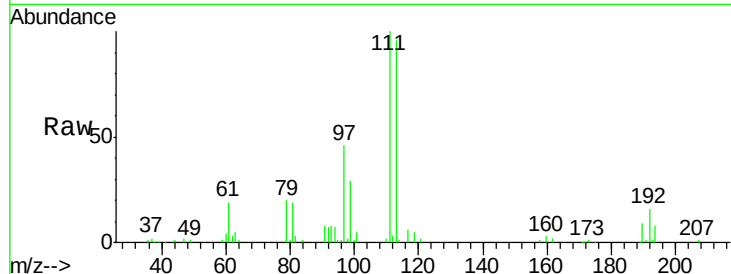




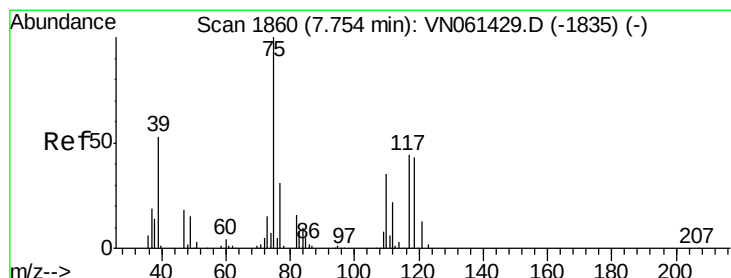
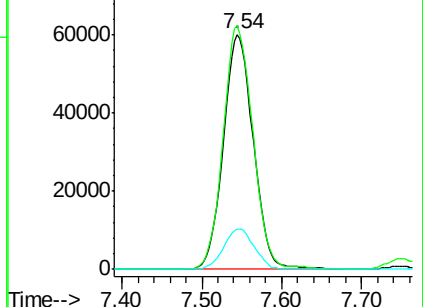
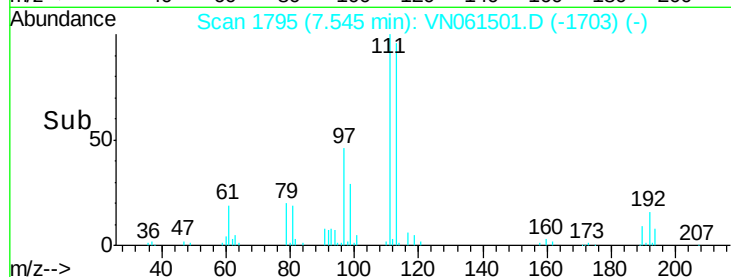
#35
 Dibromofluoromethane
 Concen: 51.312 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :

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

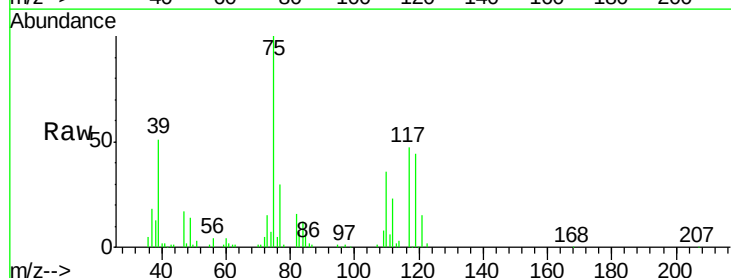


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

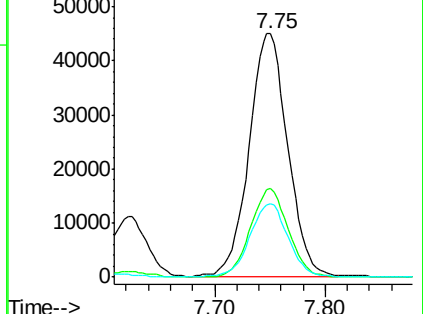
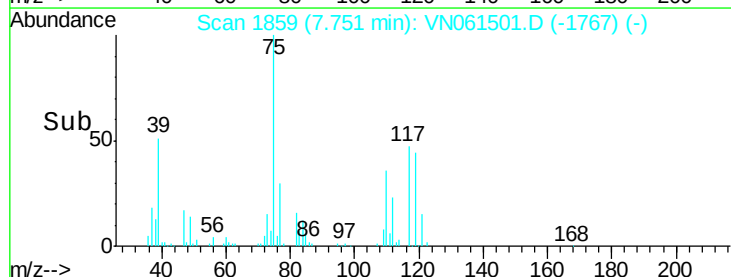


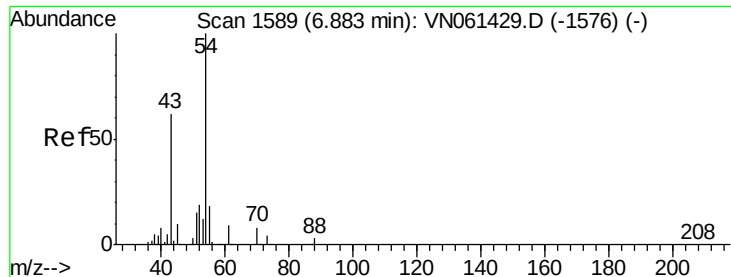
#36
 1,1-Dichloropropene
 Concen: 20.563 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

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): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

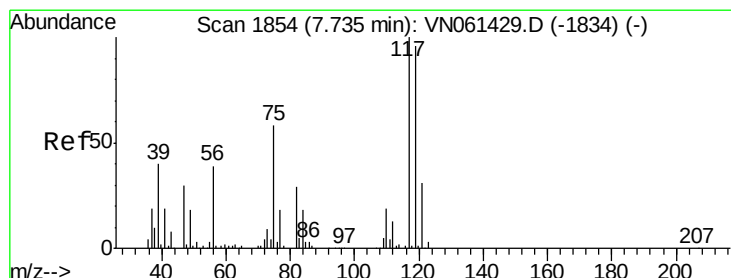
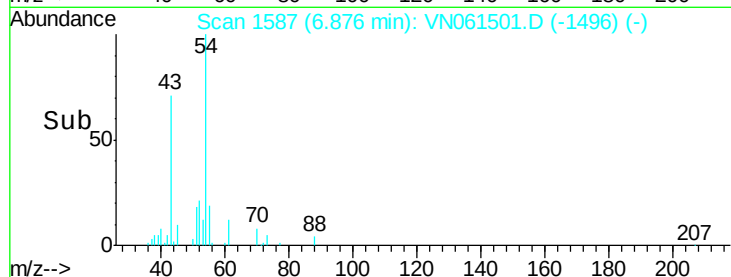
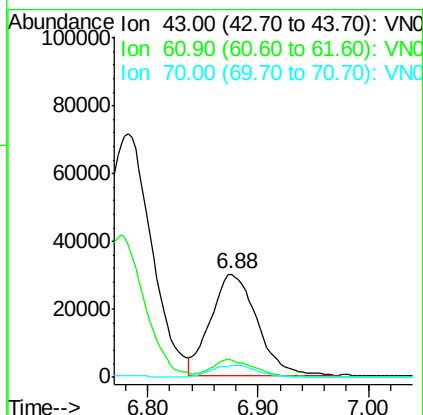
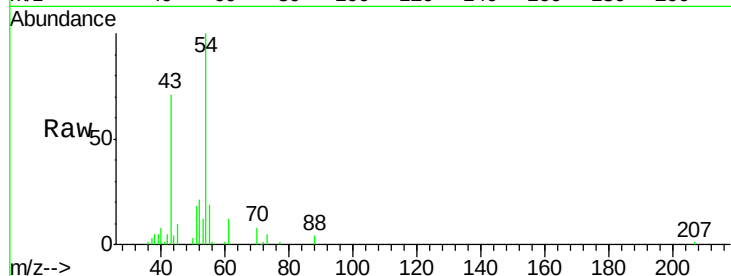




#37
Ethyl Acetate
Concen: 18.137 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

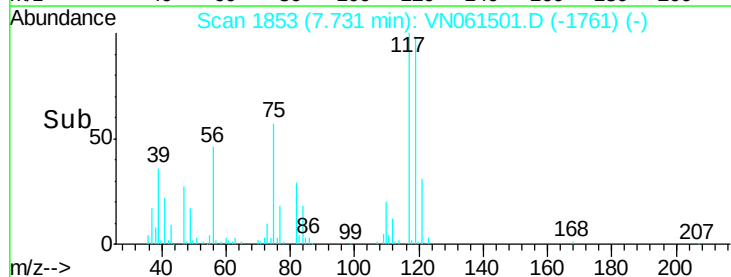
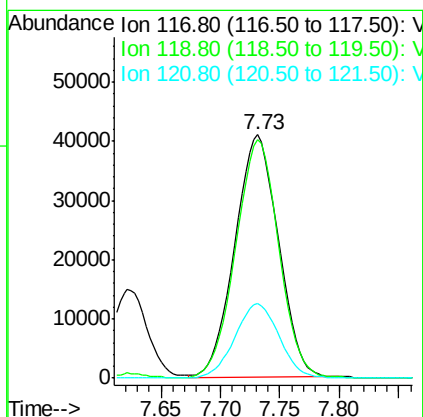
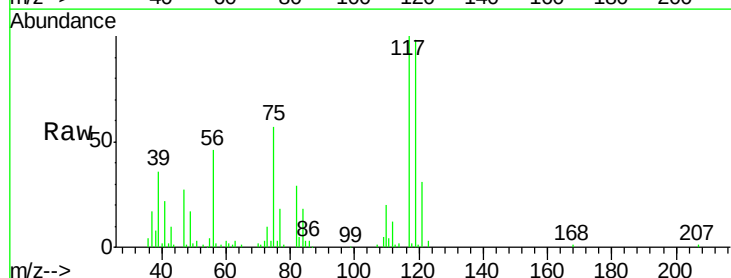
Instrument :
MSVOA_N
ClientSampled :

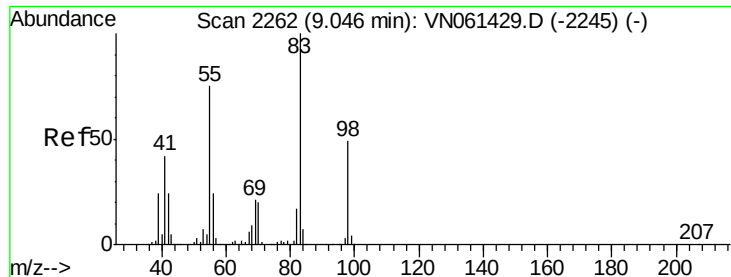
Tot Ion: 43 Resp: 87564
Ion Ratio Lower Upper
43 100
61 16.7 11.7 17.5
70 12.0 9.2 13.8



#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

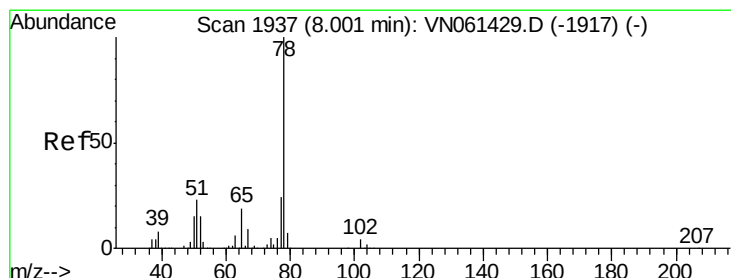
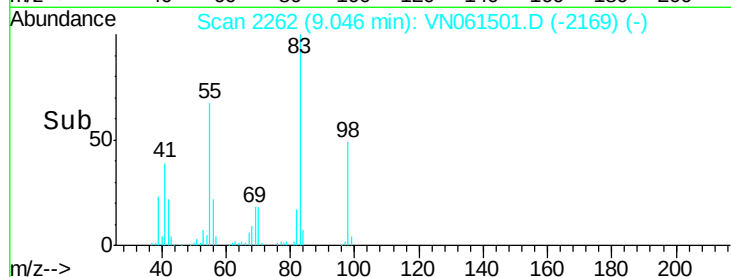
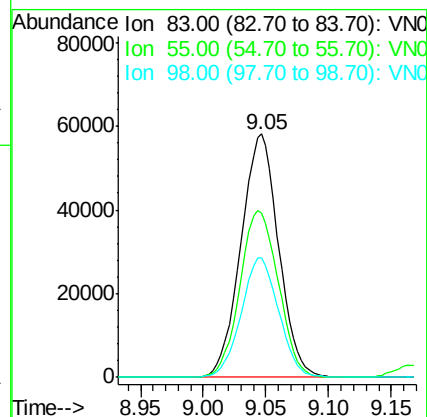
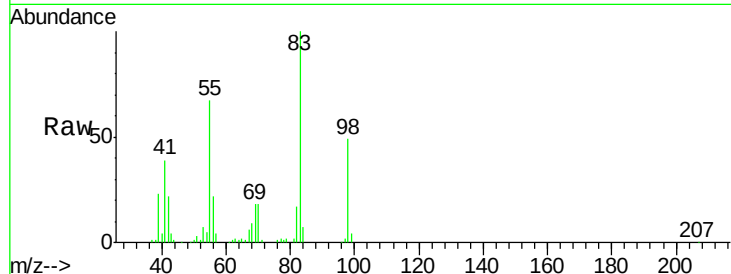




#39
Methylvlcyclohexane
Concen: 18.699 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

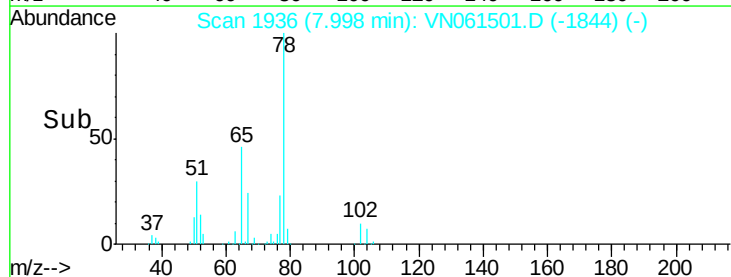
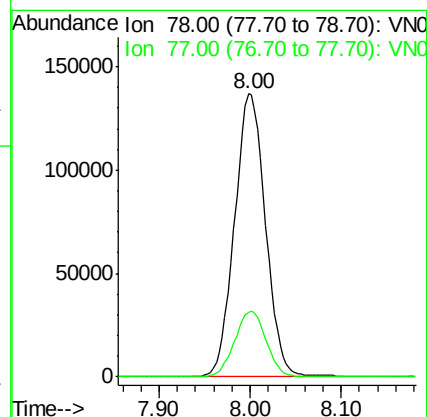
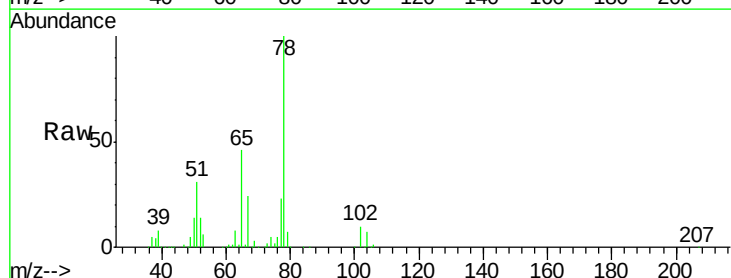
Instrument :
MSVOA_N
ClientSampled :

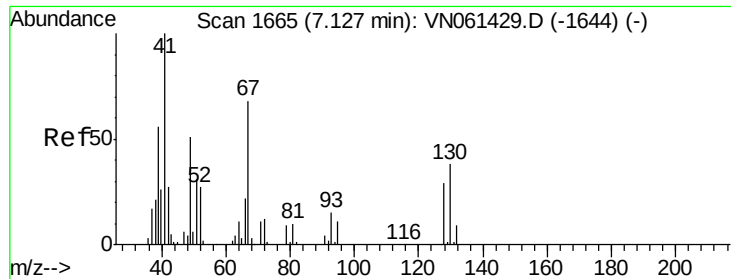
Tot Ion: 83 Resp: 121591
Ion Ratio Lower Upper
83 100
55 67.5 59.7 89.5
98 48.9 38.9 58.3



#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

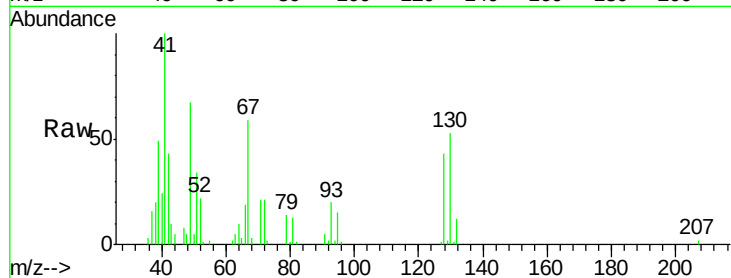




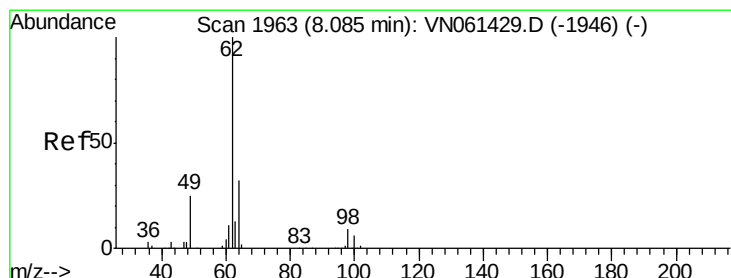
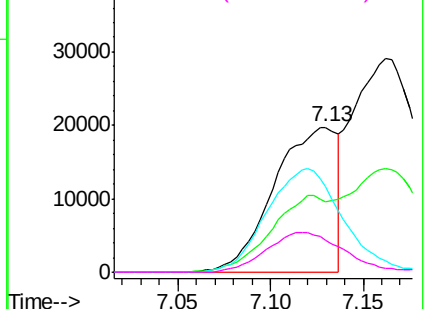
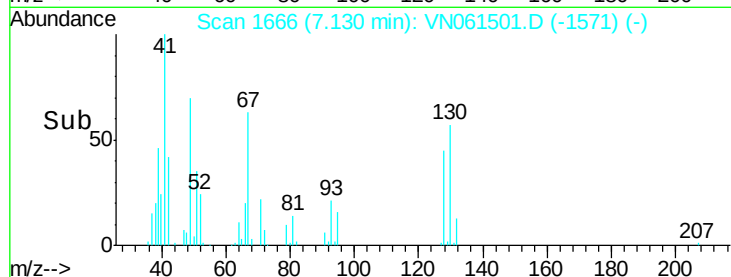
#41
Methacrylonitrile
Concen: 22.907 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :

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

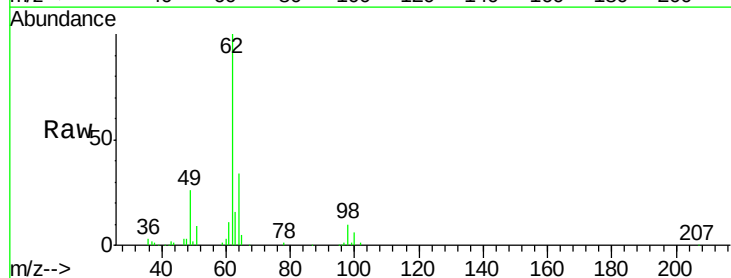


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

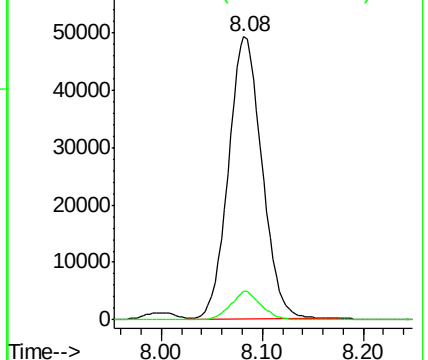
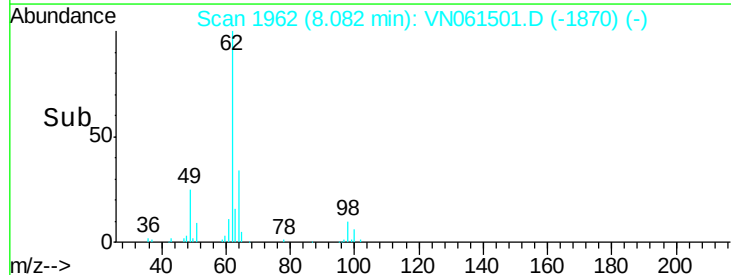


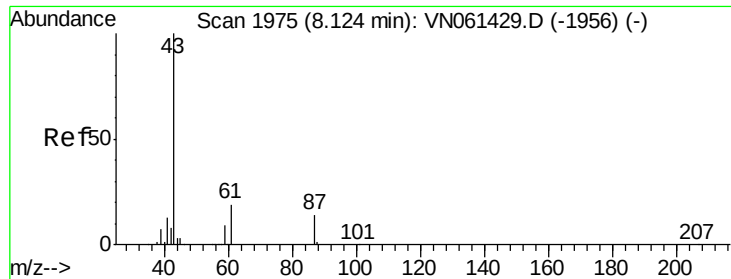
#42
1,2-Dichloroethane
Concen: 19.665 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

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



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





#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 :

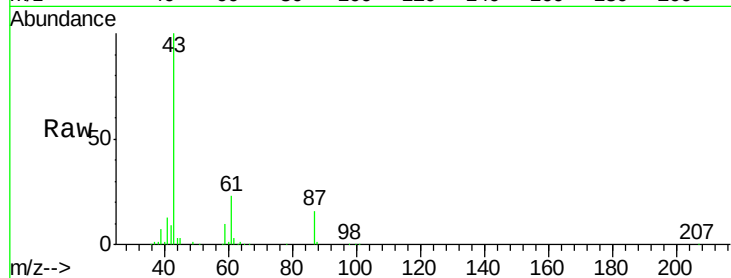
Tot Ion: 43 Resp: 160527

Ion Ratio Lower Upper

43 100

61 23.0 23.0 34.4

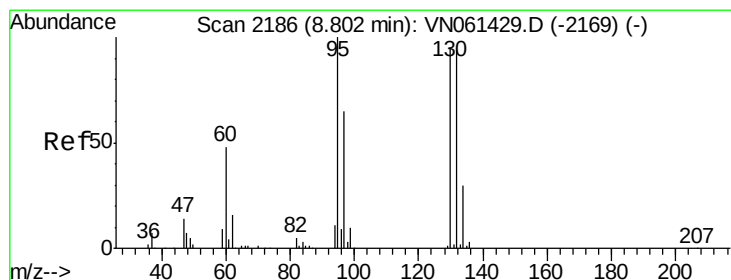
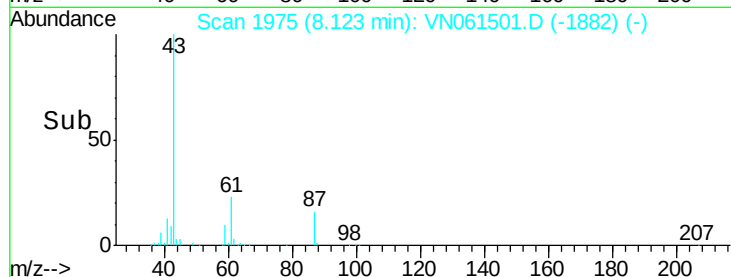
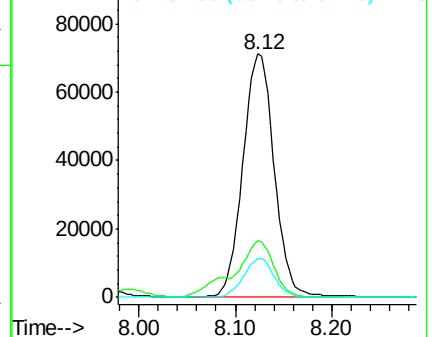
87 15.3 11.6 17.4



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

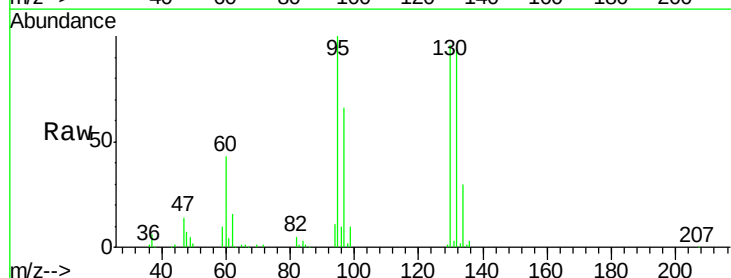
Acq: 20 May 2020 15:23

Tgt Ion:130 Resp: 92101

Ion Ratio Lower Upper

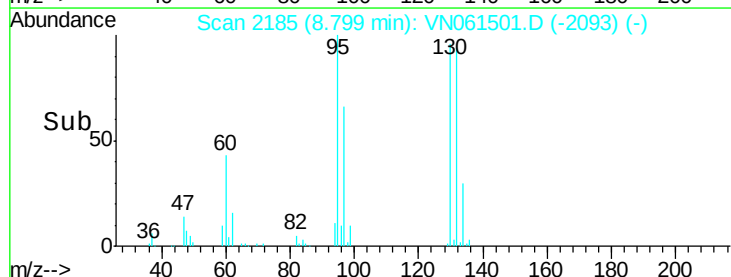
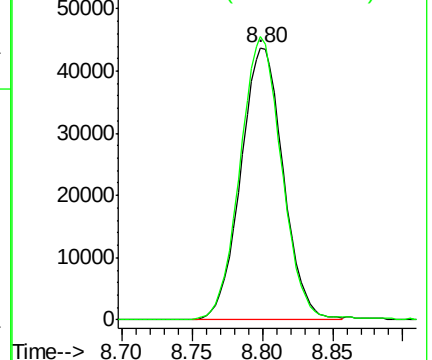
130 100

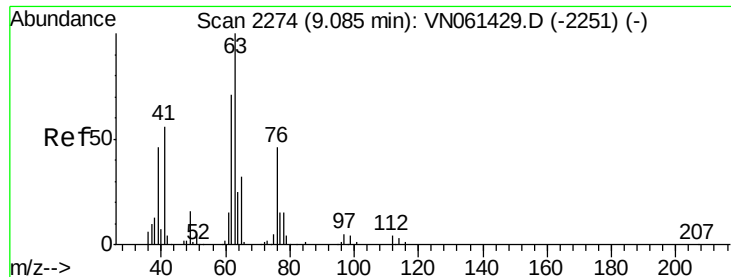
95 104.1 0.0 209.8



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

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

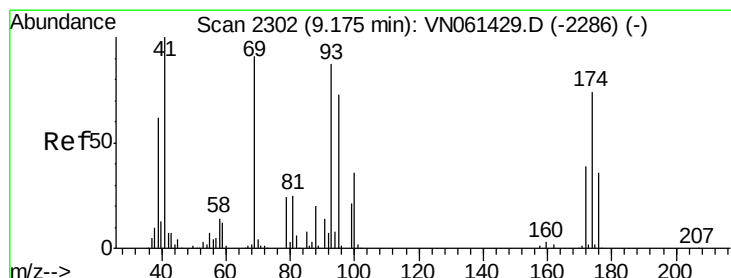
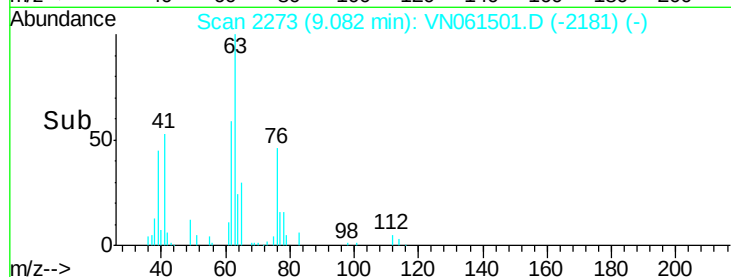
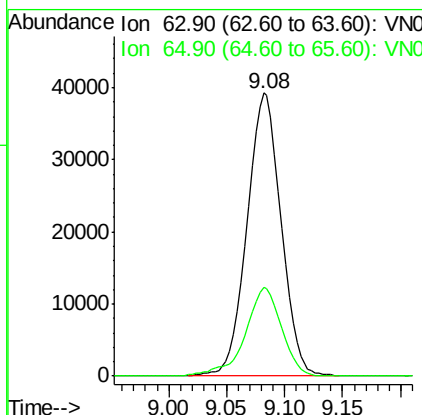
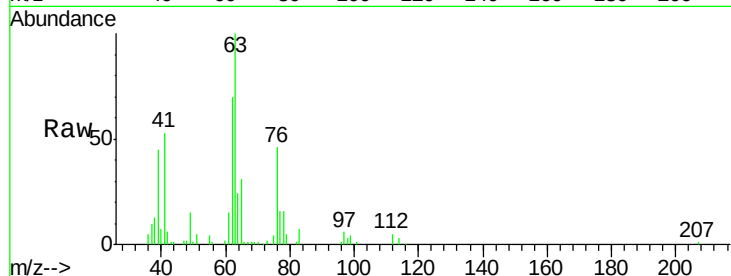




#45
 1,2-Dichloropropane
 Concen: 20.027 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

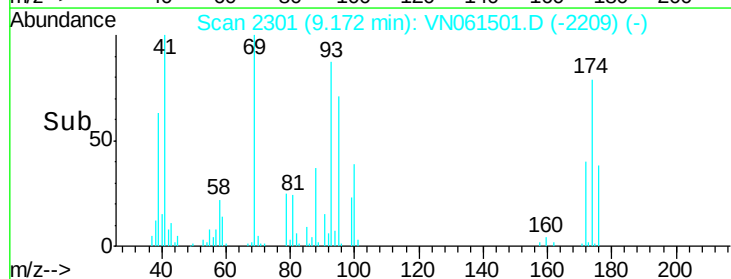
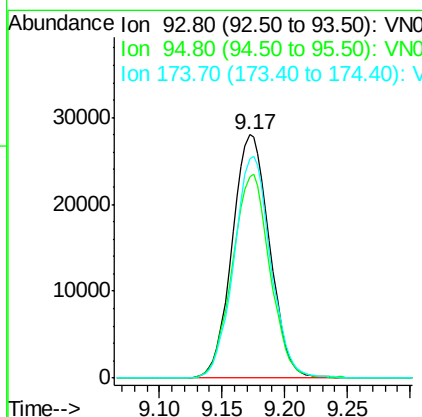
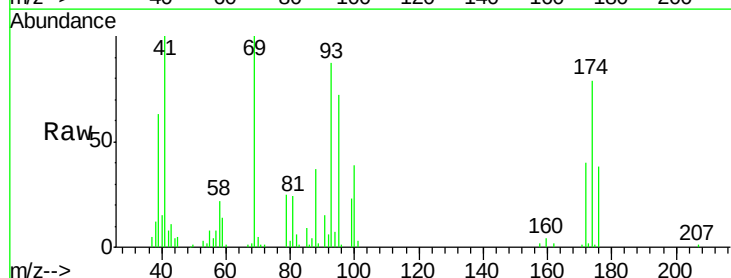
Instrument :
 MSVOA_N
 ClientSampled :

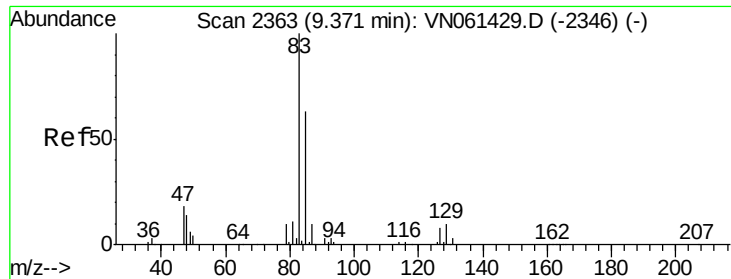
Tot Ion: 63 Resp: 80423
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.2 37.8



#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 :

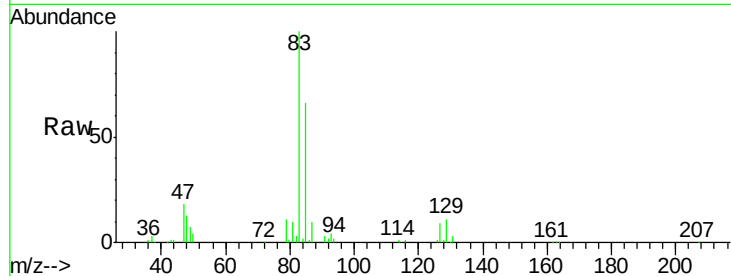
Tot Ion: 83 Resp: 119687

Ion Ratio Lower Upper

83 100

85 66.1 50.6 76.0

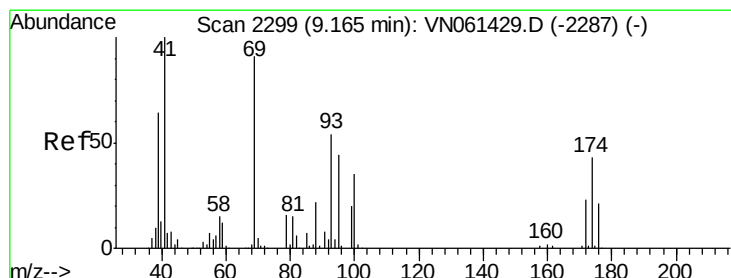
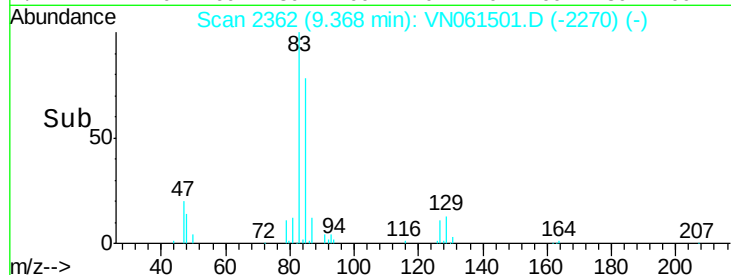
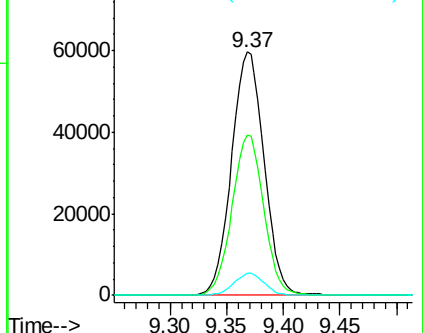
127 9.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061429.D (-2346) (-)



#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

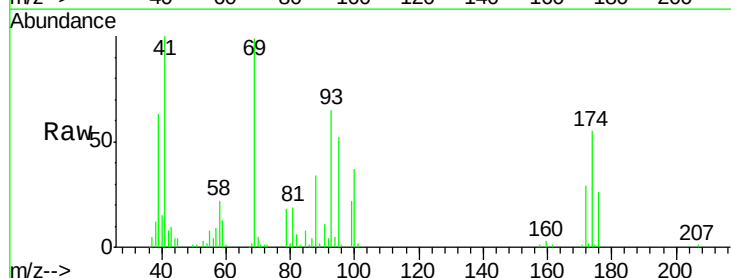
Tgt Ion: 41 Resp: 68977

Ion Ratio Lower Upper

41 100

69 102.5 75.3 112.9

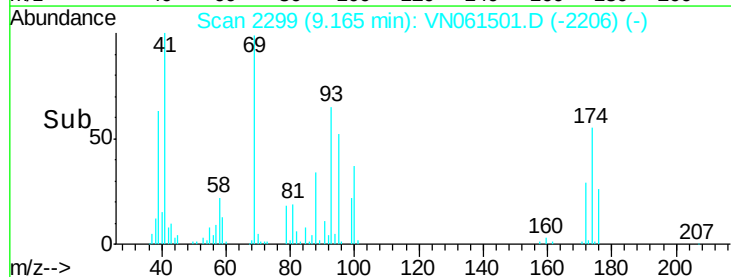
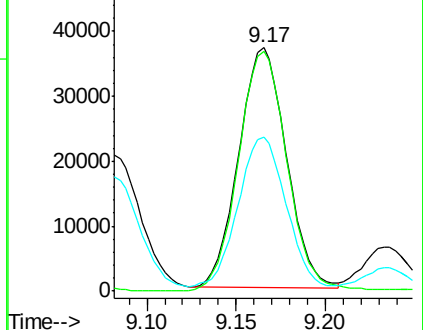
39 66.0 52.6 79.0

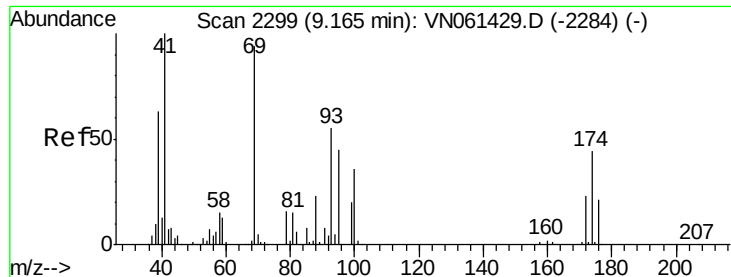


Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061429.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-2287) (-)

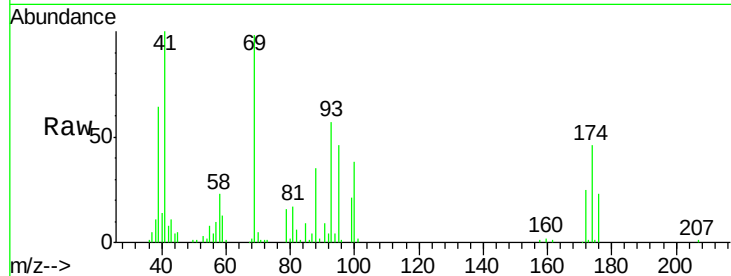




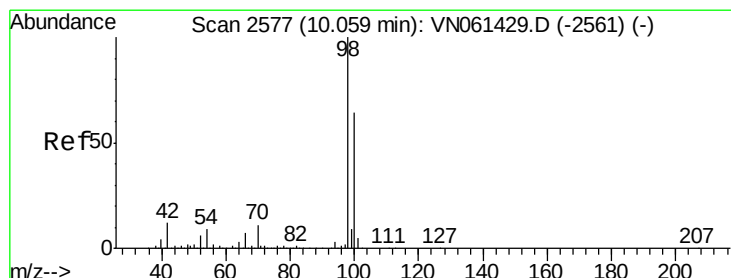
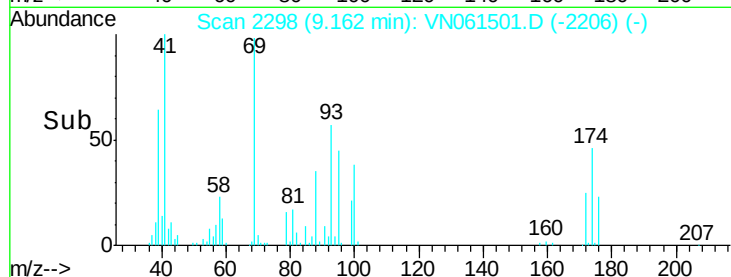
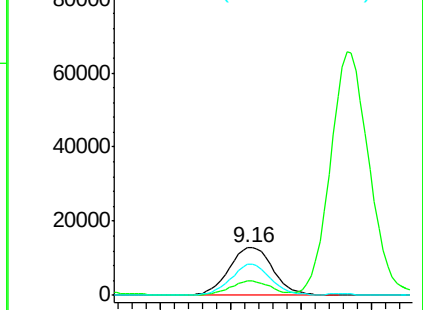
#49
1,4-Dioxane
Concen: 673.449 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :

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

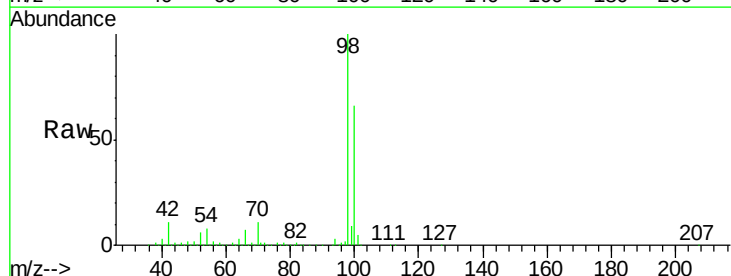


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

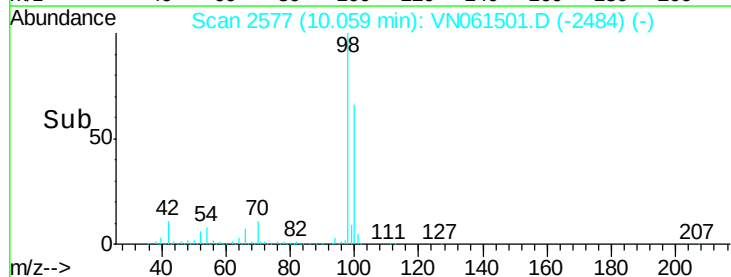
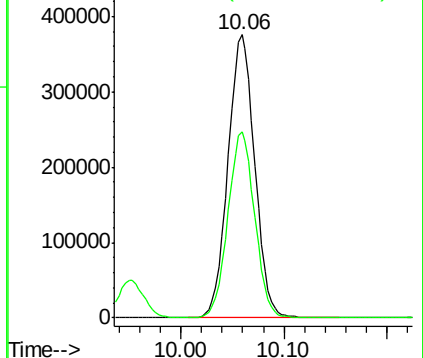


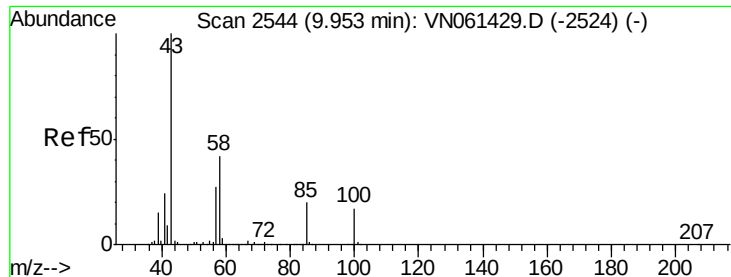
#50
Toluene-d8
Concen: 49.139 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

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

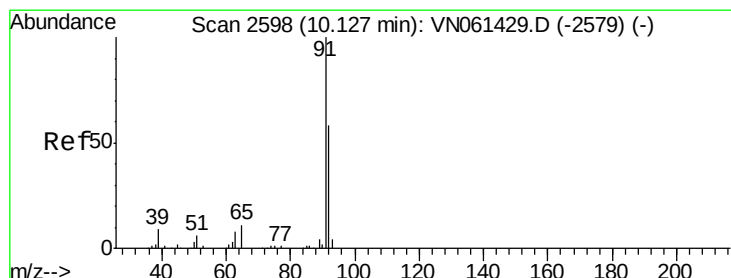
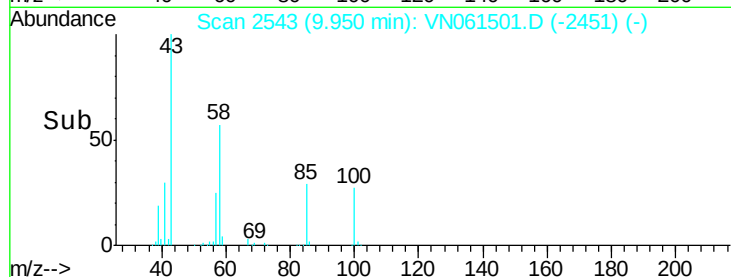
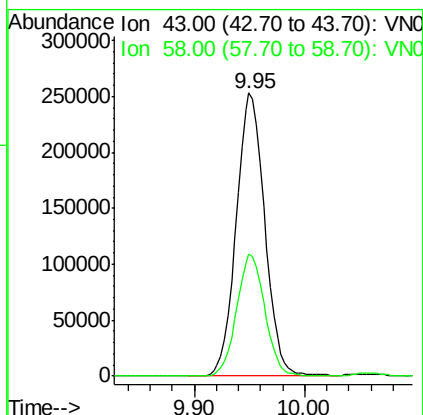
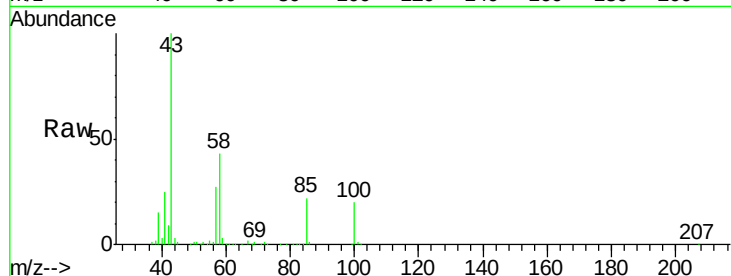




#51
 4-Methyl-2-Pentanone
 Concen: 98.885 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

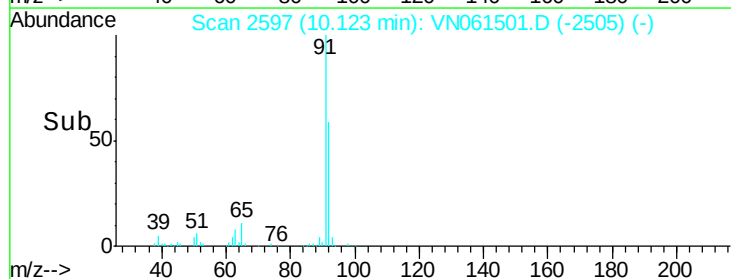
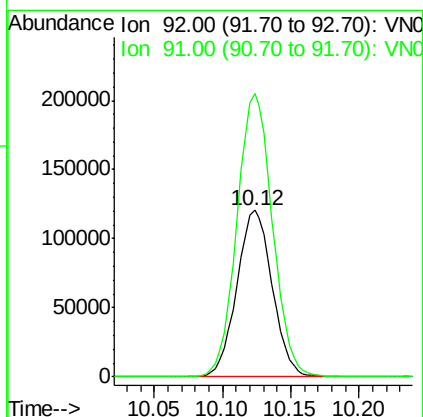
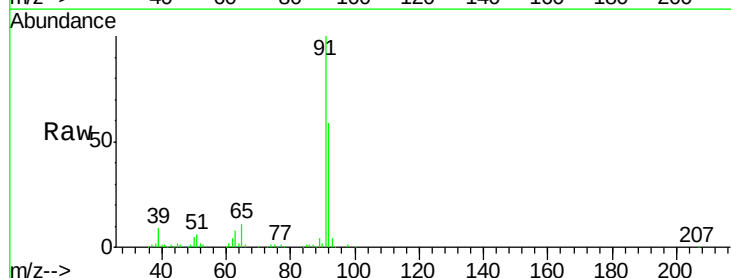
Instrument :
 MSVOA_N
 ClientSampled :

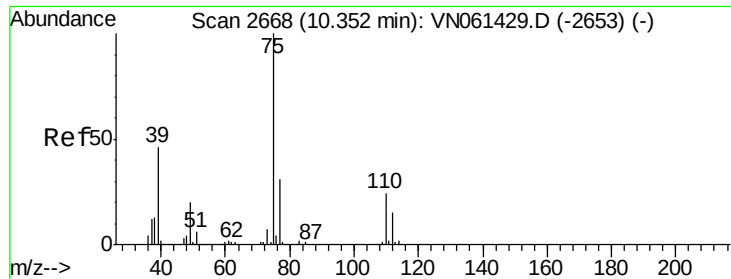
Tot Ion: 43 Resp: 453607
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.4 50.2



#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

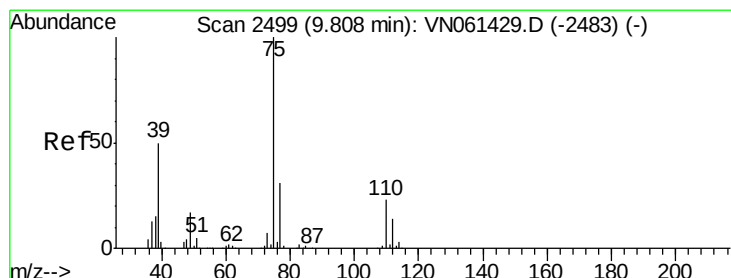
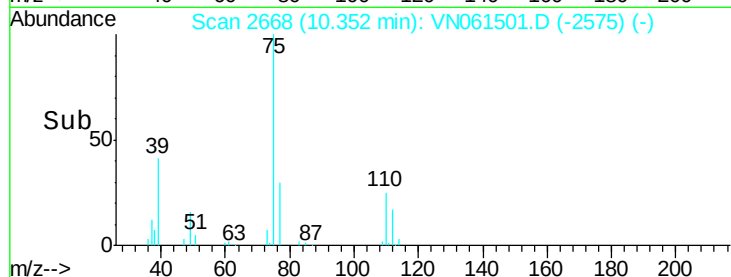
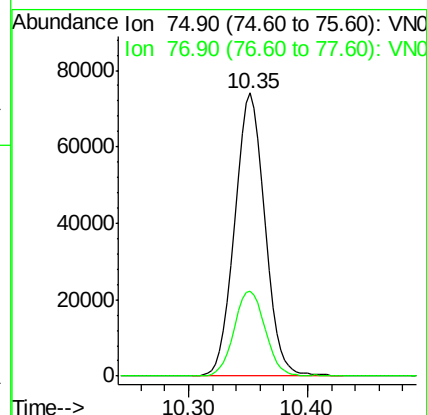
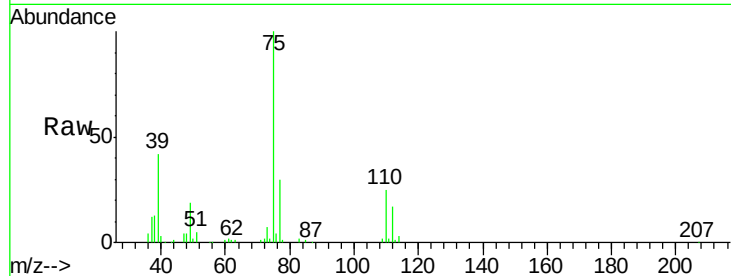
ClientSampleId :

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

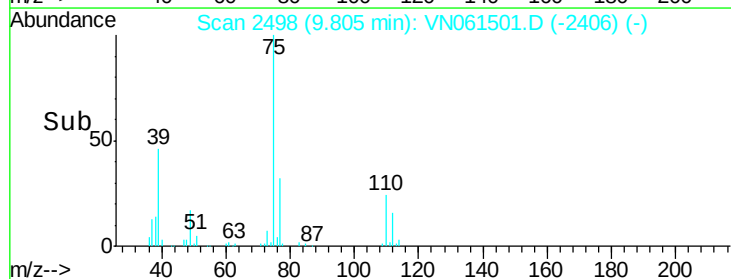
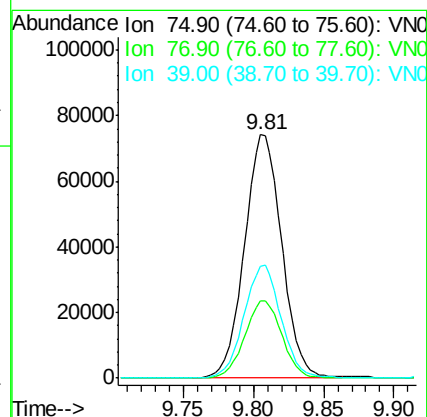
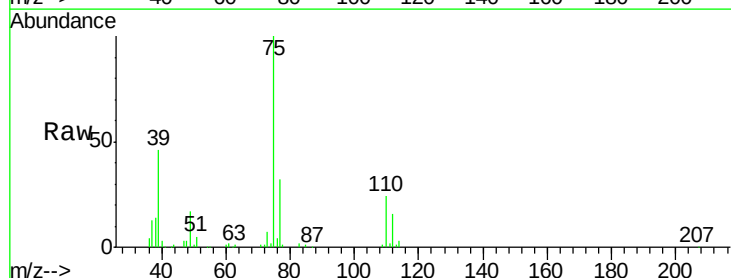
Tgt Ion: 75 Resp: 137525

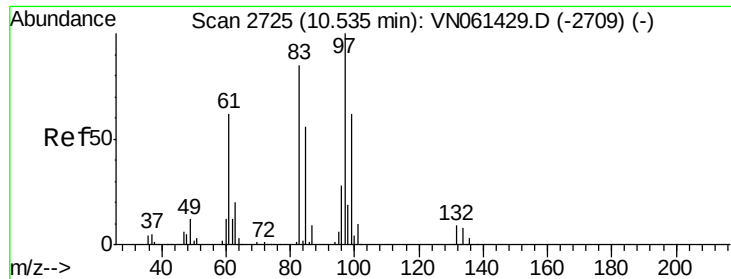
Ion Ratio Lower Upper

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 :

Tot Ion: 97 Resp: 83435

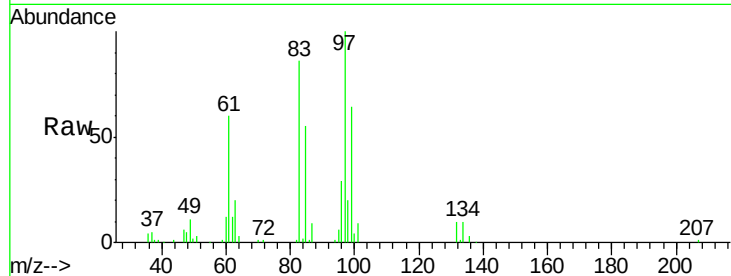
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.2	102.4
85	55.3	44.6	67.0
99	64.1	49.5	74.3

97 100

83 85.6 68.2 102.4

85 55.3 44.6 67.0

99 64.1 49.5 74.3

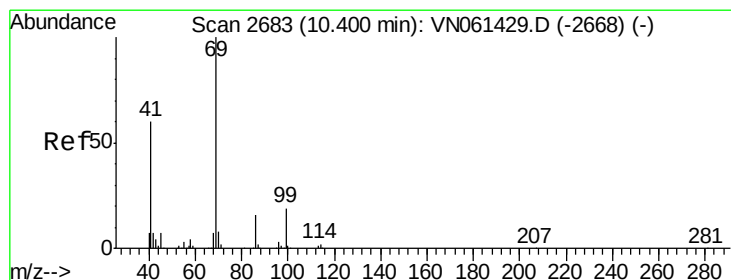
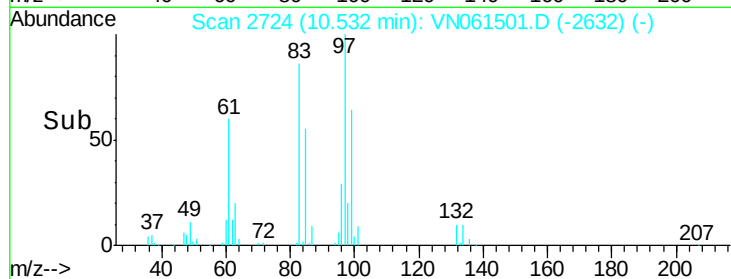
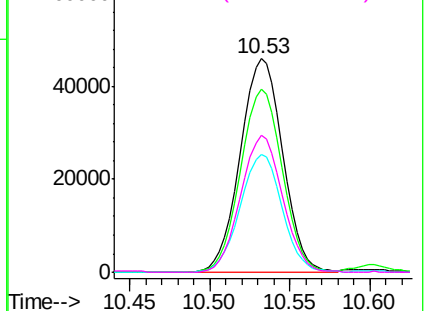


Abundance Ion 96.90 (96.60 to 97.60): VN0

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

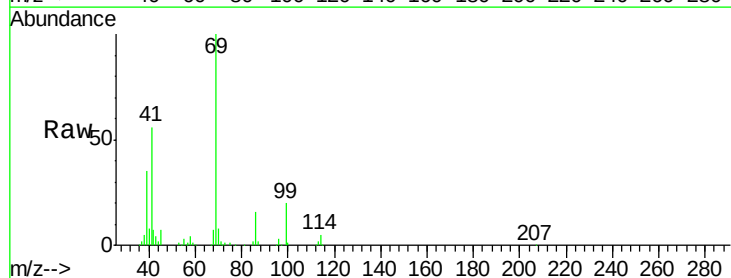
Tgt Ion: 69 Resp: 126336

Ion	Ratio	Lower	Upper
69	100		
41	54.8	48.3	72.5
39	35.0	30.2	45.2

69 100

41 54.8 48.3 72.5

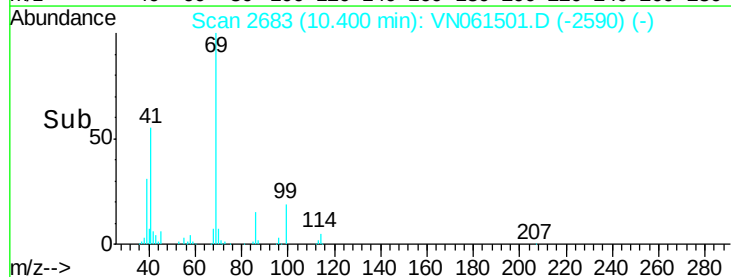
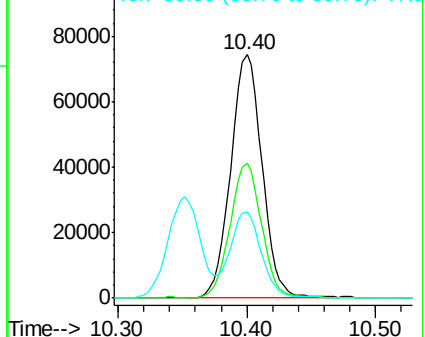
39 35.0 30.2 45.2

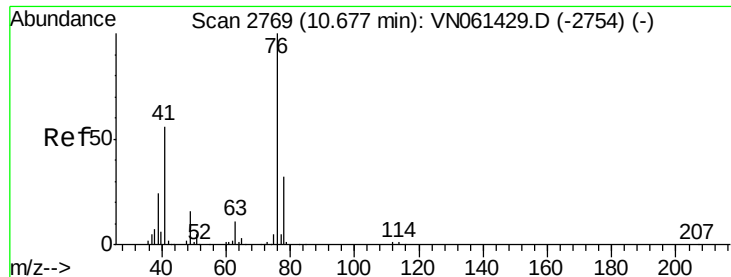


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

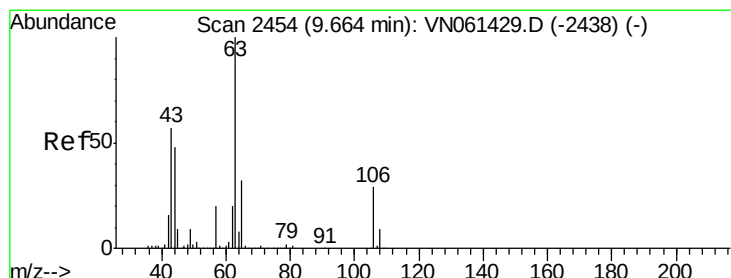
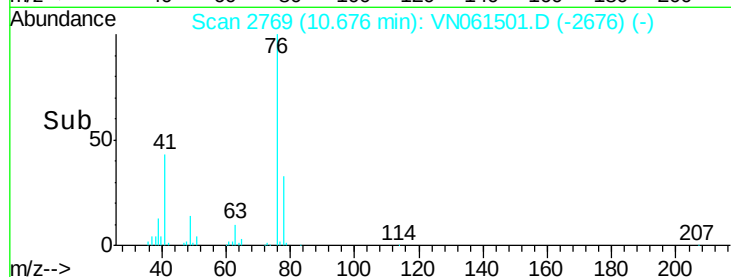
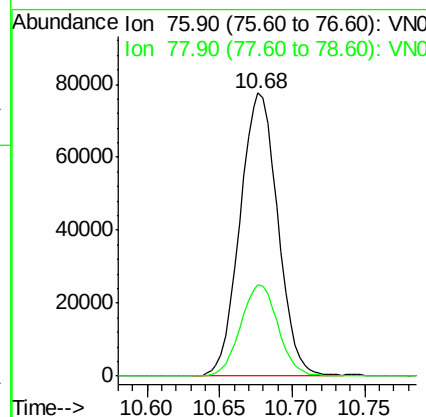
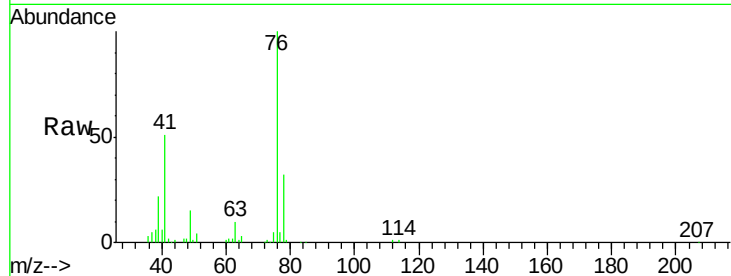




#57
 1,3-Dichloropropane
 Concen: 20.881 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

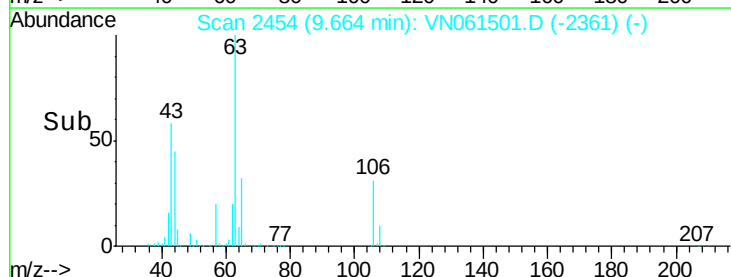
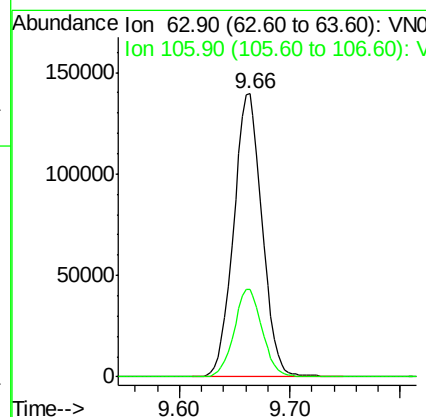
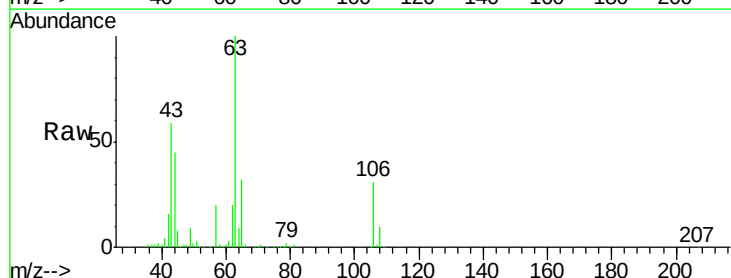
Instrument :
 MSVOA_N
 ClientSampled :

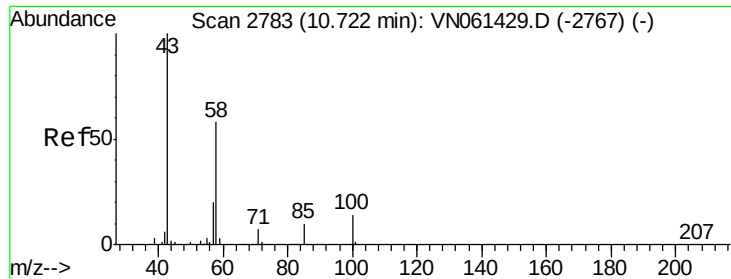
Tot Ion: 76 Resp: 140529
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#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

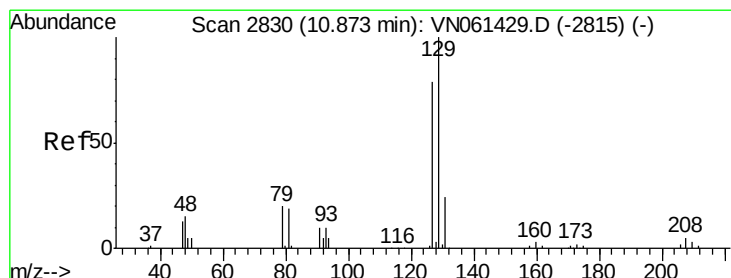
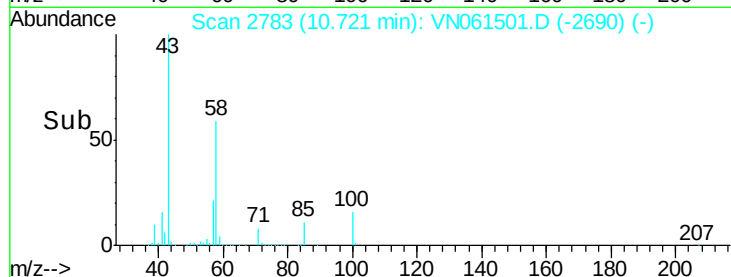
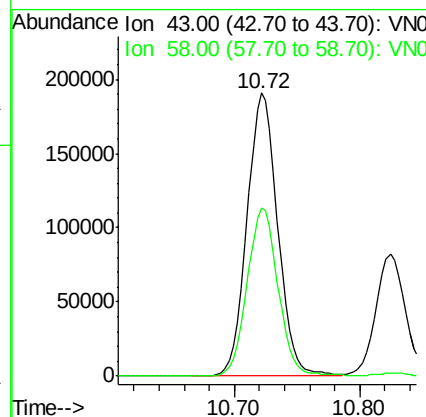
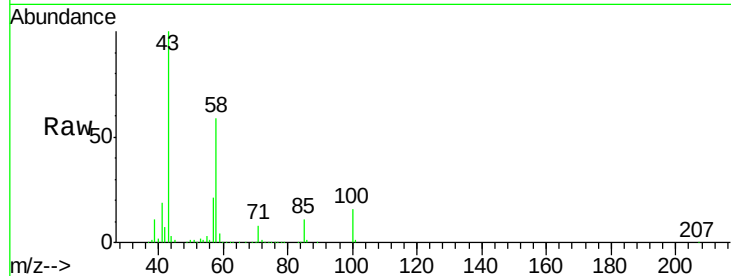




#59
2-Hexanone
Concen: 97.962 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

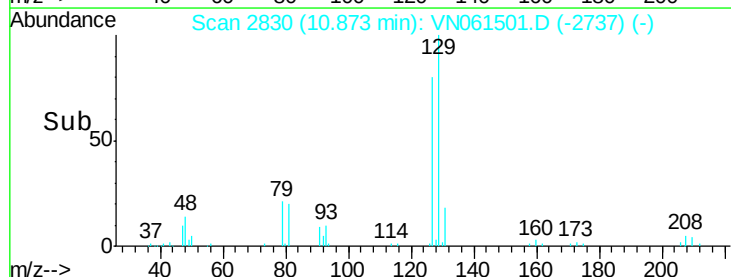
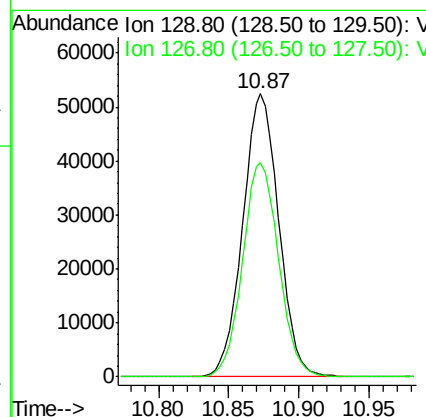
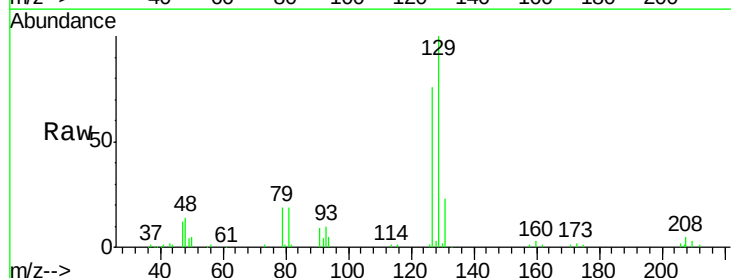
Instrument :
MSVOA_N
ClientSampled :

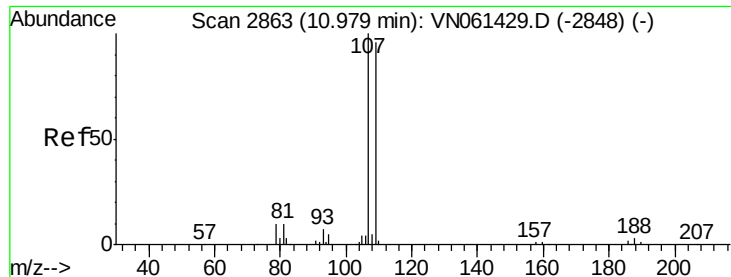
Tot Ion: 43 Resp: 325117
Ion Ratio Lower Upper
43 100
58 59.9 29.2 87.6



#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

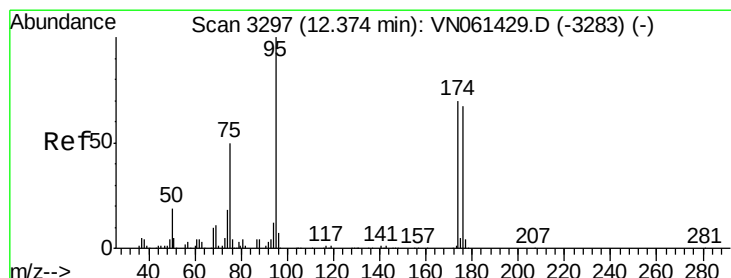
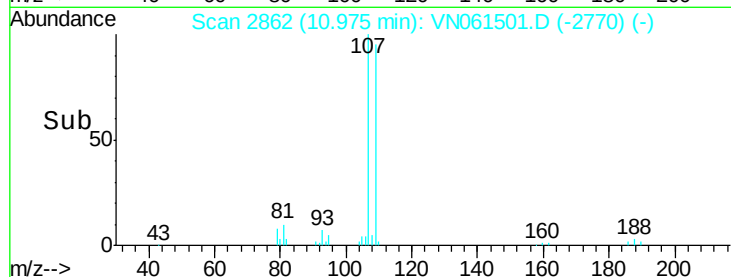
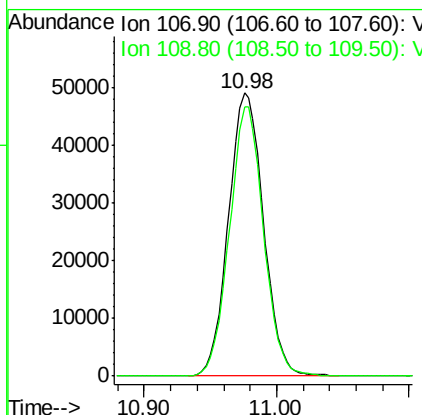
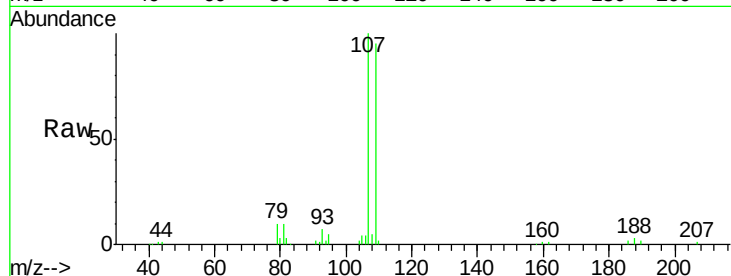




#61
 1,2-Dibromoethane
 Concen: 21.921 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

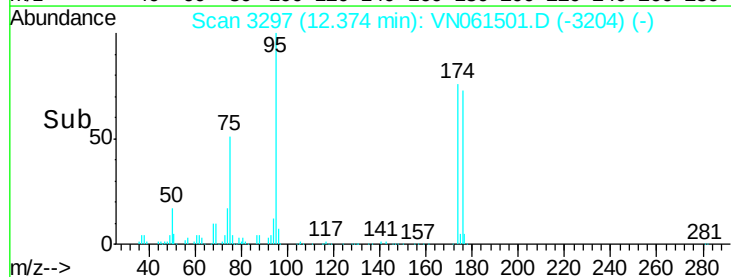
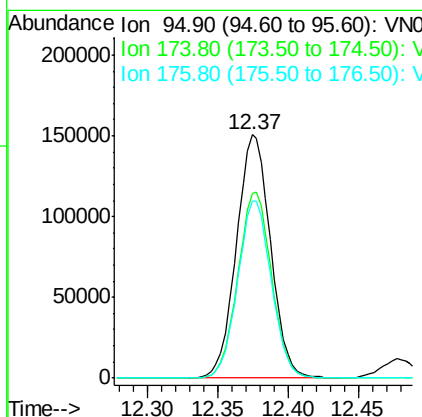
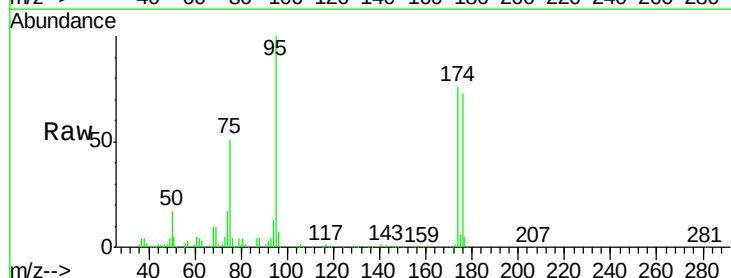
Instrument :
 MSVOA_N
 ClientSampled :

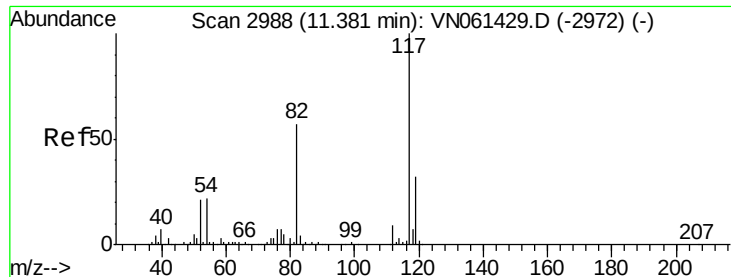
Tot Ion:107 Resp: 89755
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.7 113.5



#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

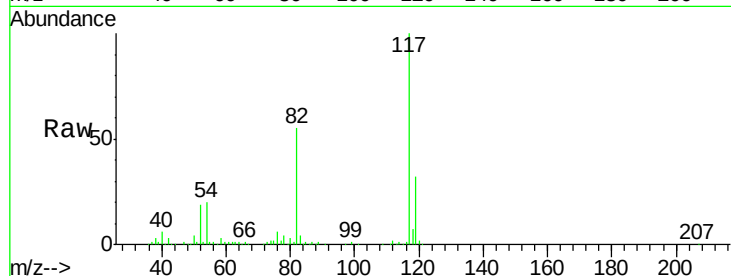




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :

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

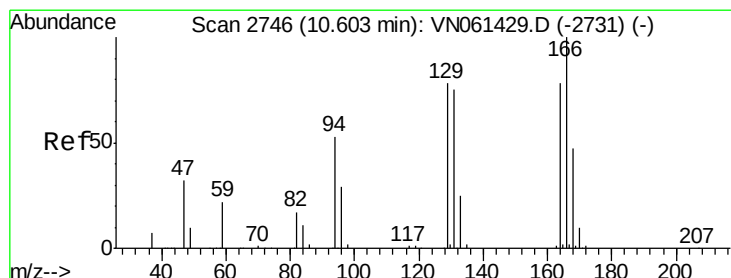
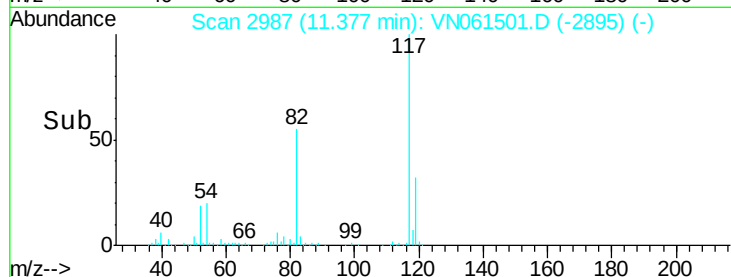
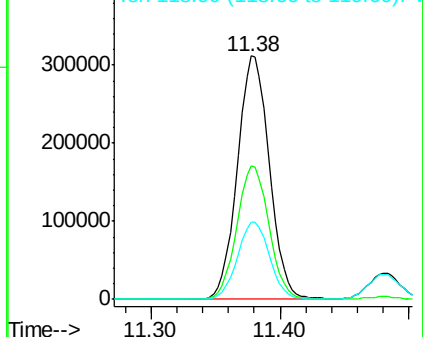


Abundance

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

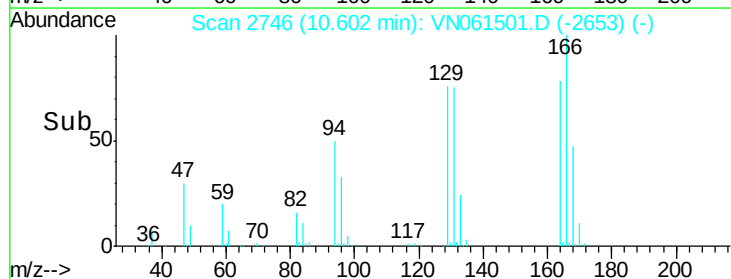
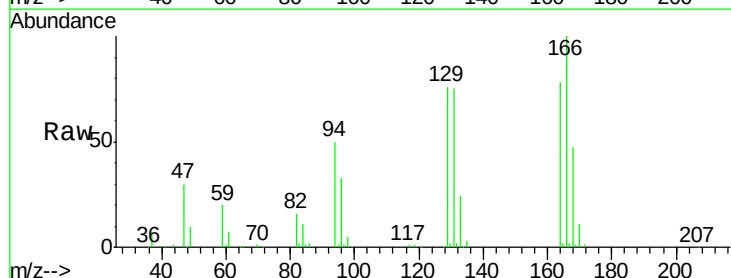
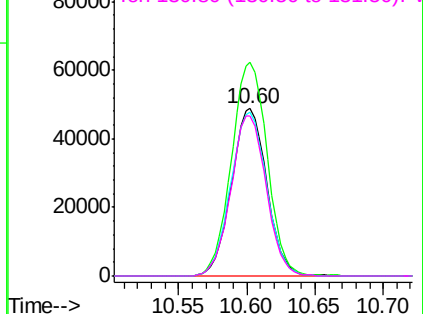
Abundance

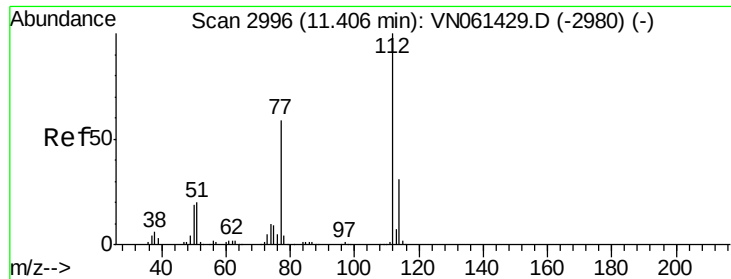
Ion 163.80 (163.50 to 164.50): V

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

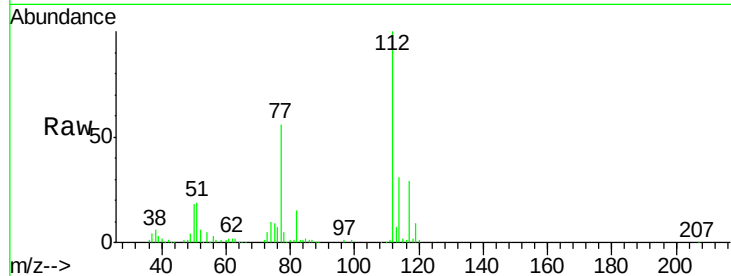
ClientSampled :

Tot Ion:112 Resp: 231733

Ion Ratio Lower Upper

112 100

114 31.4 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.40

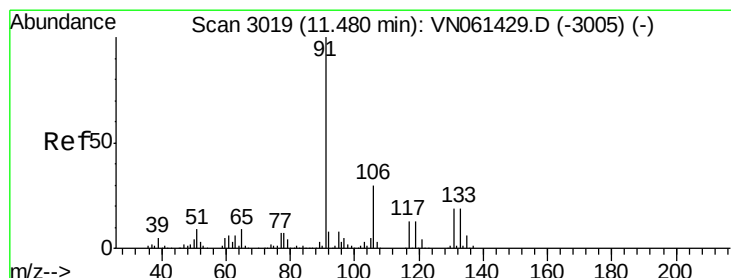
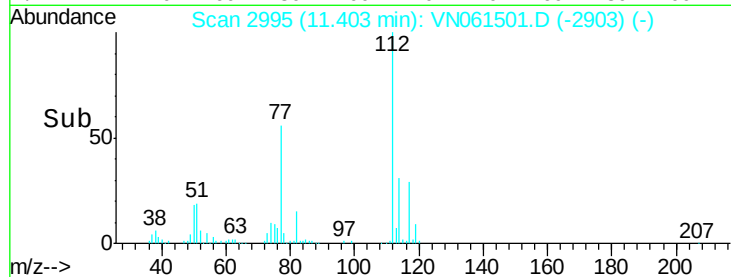
150000

100000

50000

0

Time-->



#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

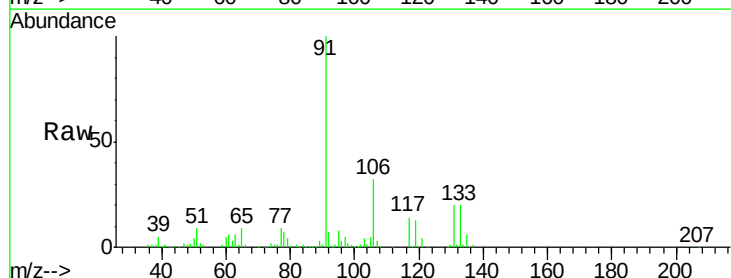
Tgt Ion:131 Resp: 85048

Ion Ratio Lower Upper

131 100

133 95.9 48.7 146.1

119 66.7 33.8 101.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

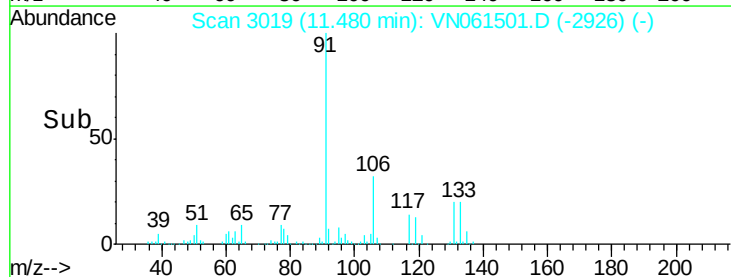
60000

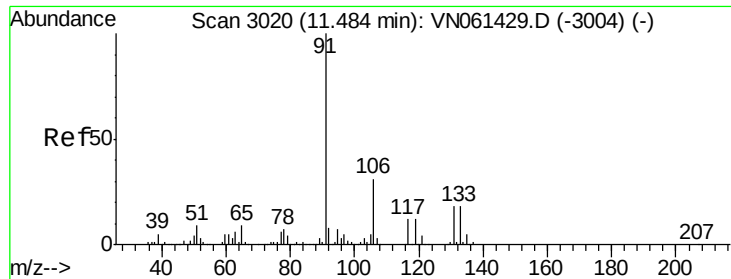
40000

20000

0

Time-->

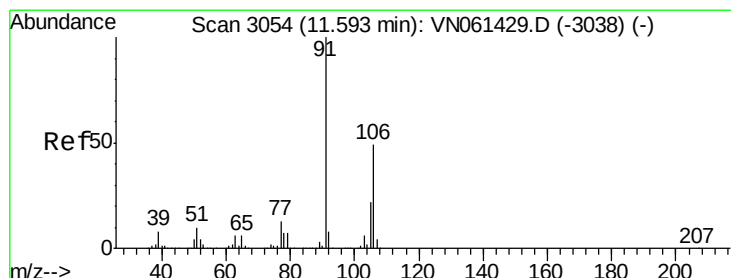
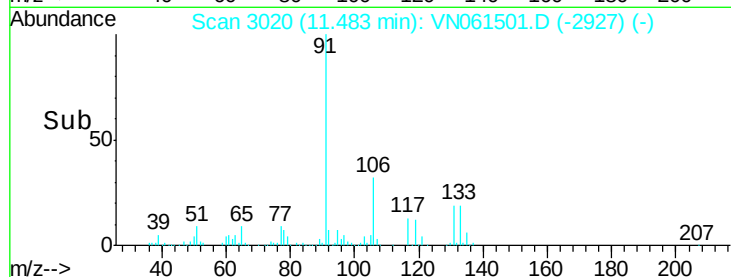
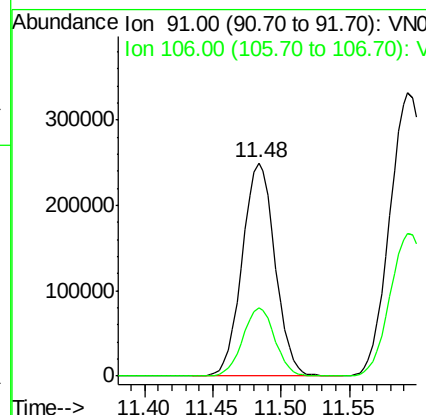
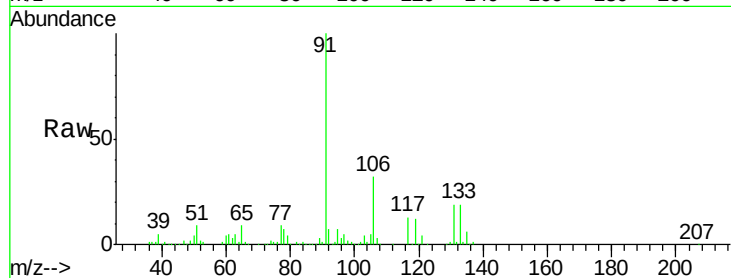




#67
Ethyl Benzene
Concen: 20.788 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

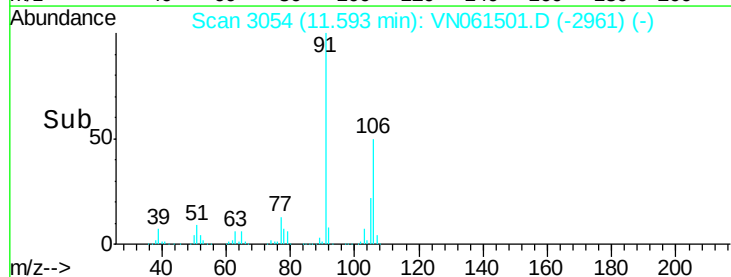
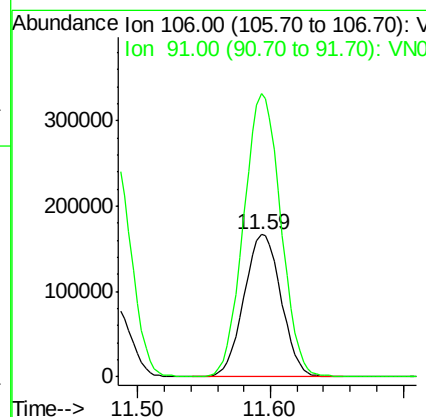
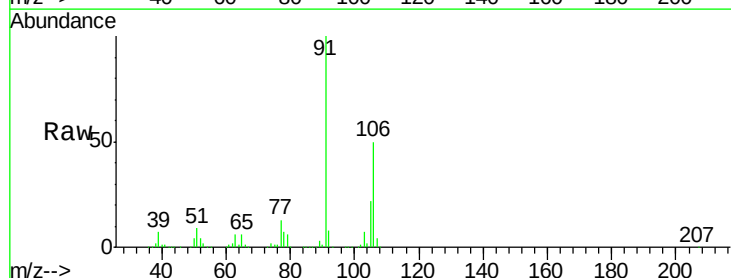
Instrument :
MSVOA_N
ClientSampled :

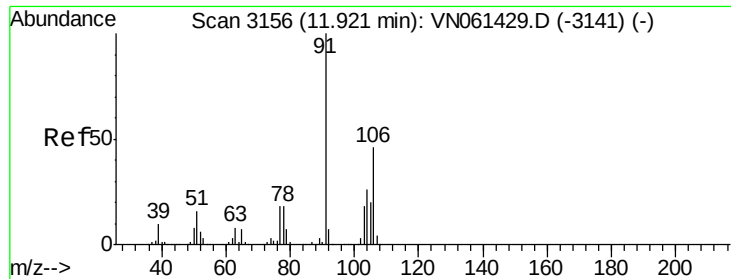
Tot Ion: 91 Resp: 417048
Ion Ratio Lower Upper
91 100
106 32.1 24.6 36.8



#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

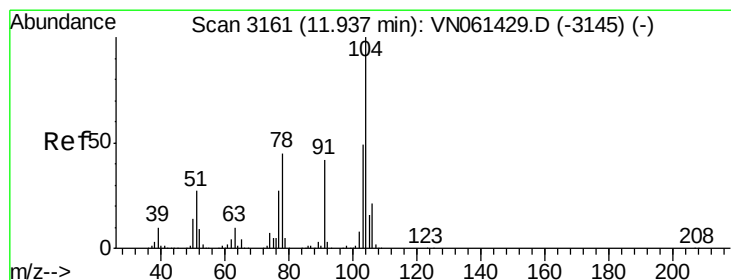
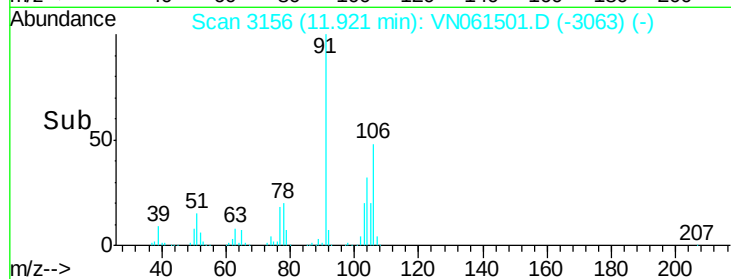
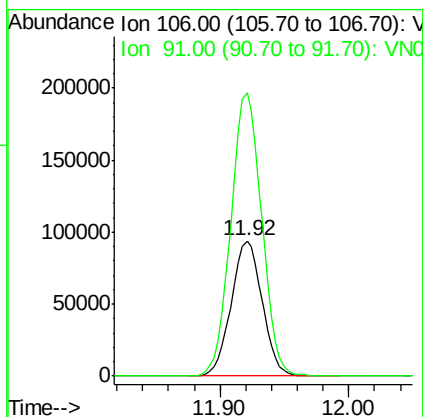
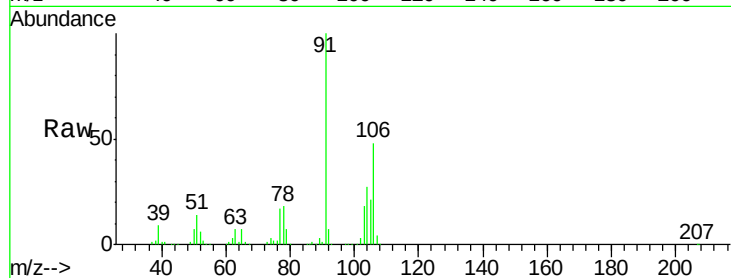




#69
o-Xylene
Concen: 21.247 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

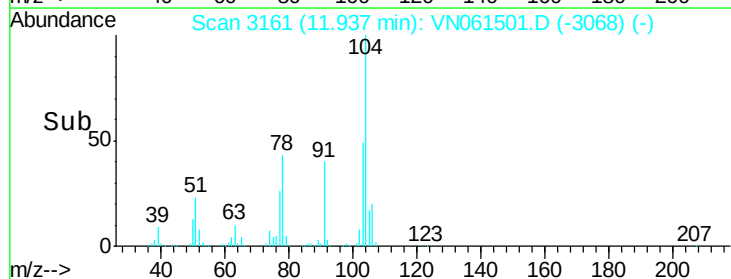
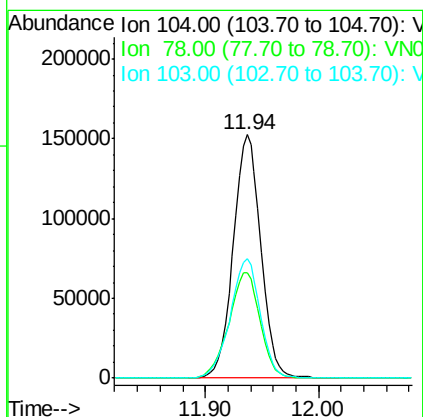
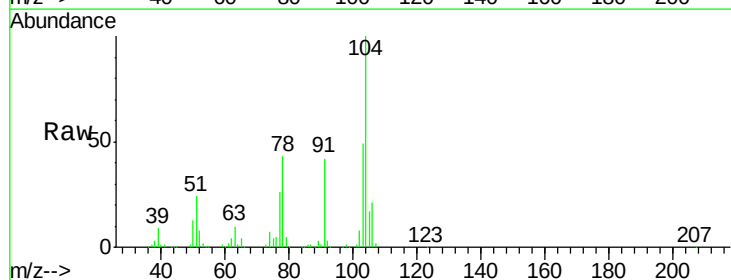
Instrument :
MSVOA_N
ClientSampled :

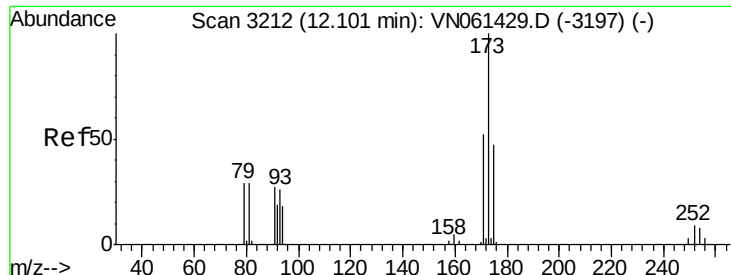
Tot Ion:106 Resp: 156572
Ion Ratio Lower Upper
106 100
91 208.6 107.9 323.7



#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

ClientSampled :

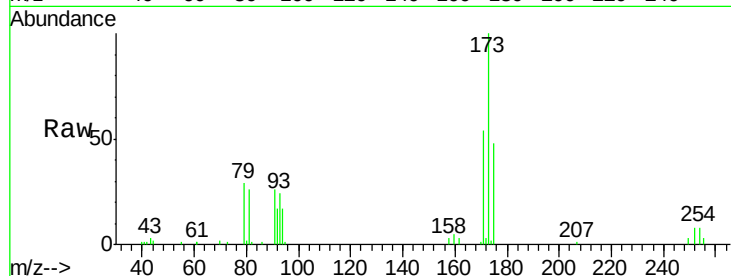
Tot Ion:173 Resp: 59159

Ion Ratio Lower Upper

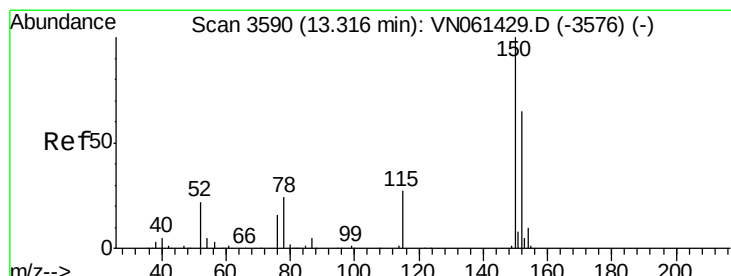
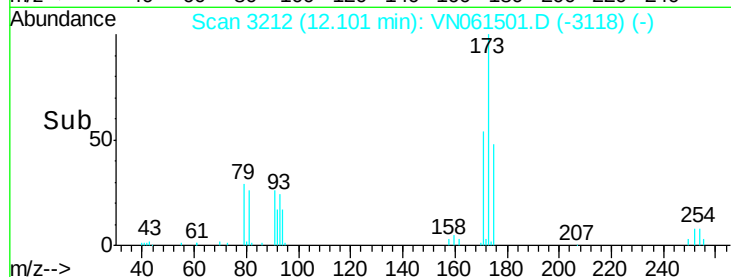
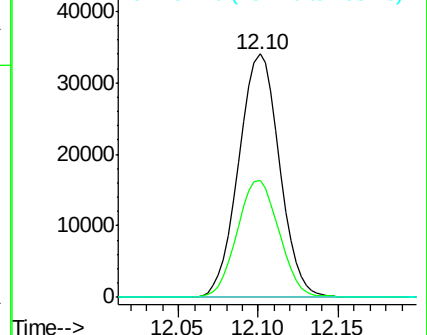
173 100

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

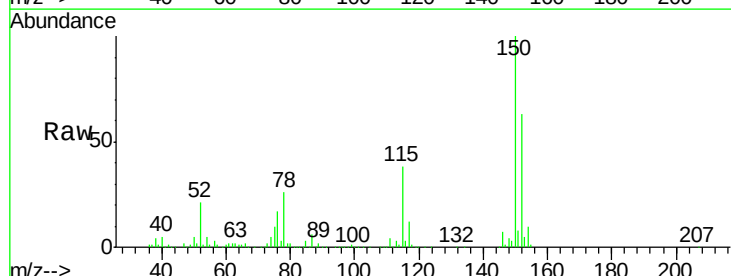
Tgt Ion:152 Resp: 254646

Ion Ratio Lower Upper

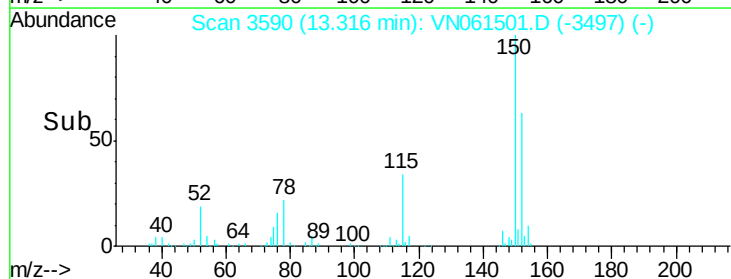
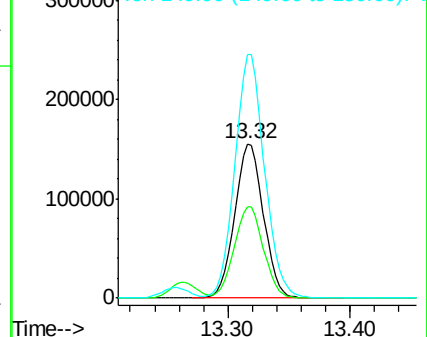
152 100

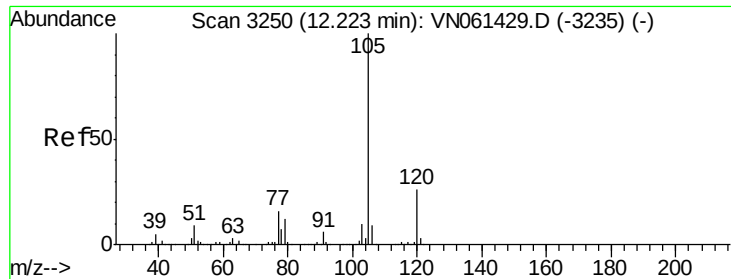
115 59.9 30.9 92.5

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

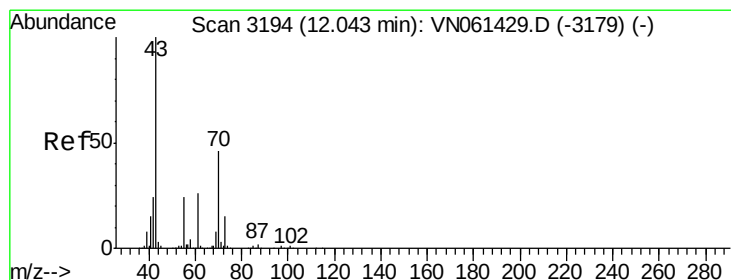
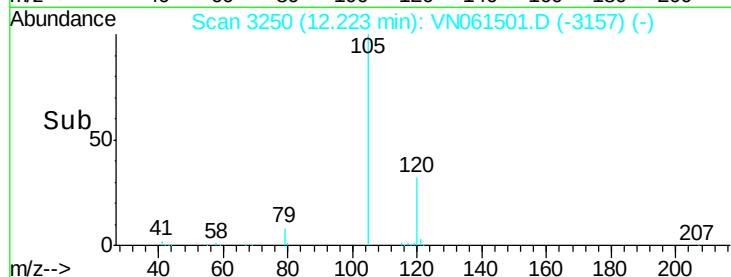
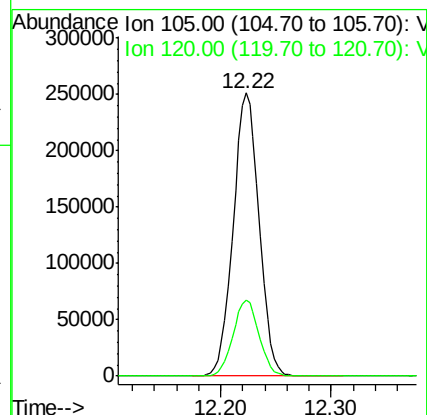
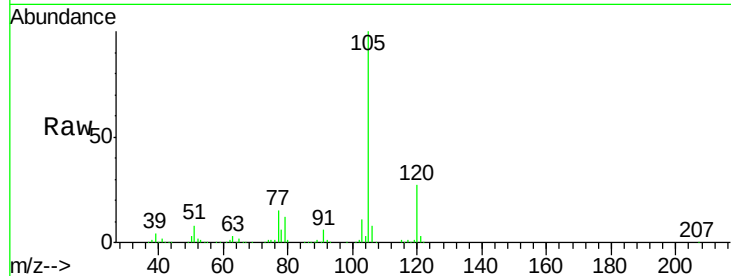
ClientSampleId :

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

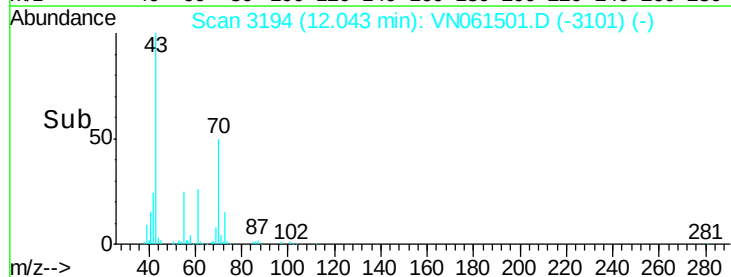
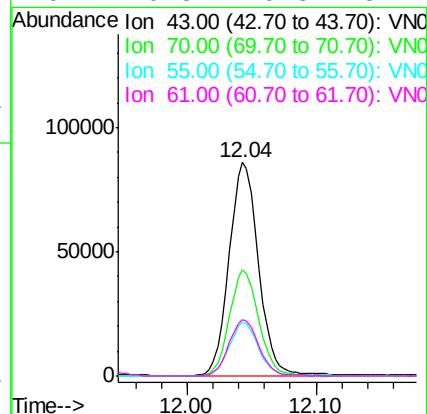
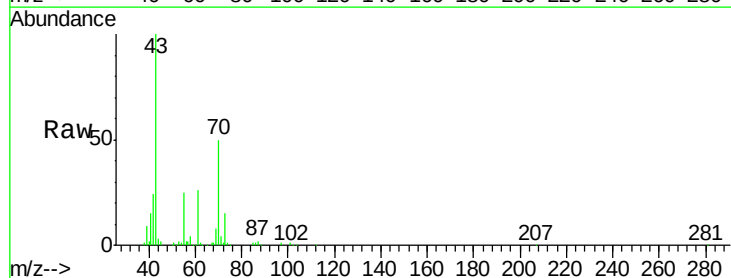
Ion Ratio Lower Upper

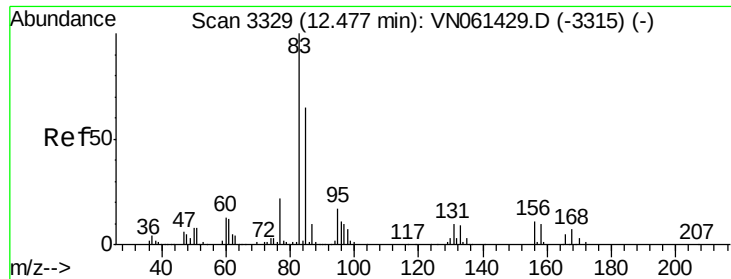
43 100

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 :

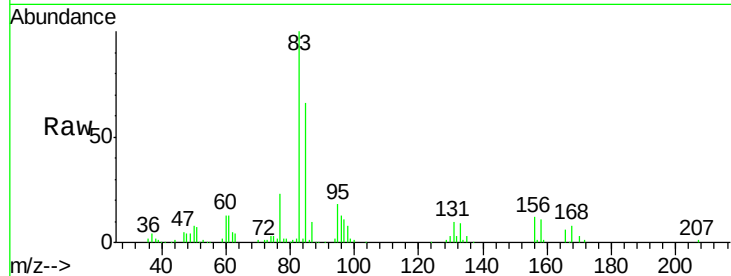
Tot Ion: 83 Resp: 113286

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.4

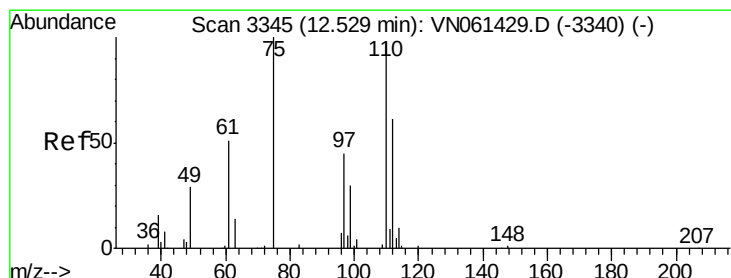
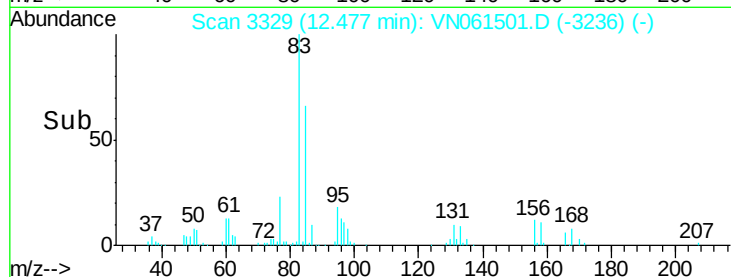
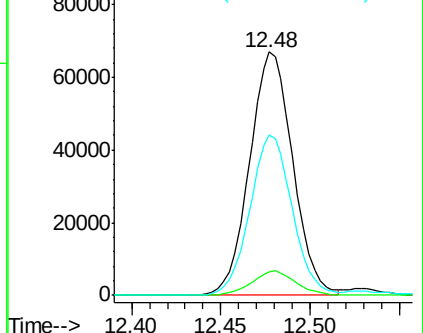
85 64.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#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

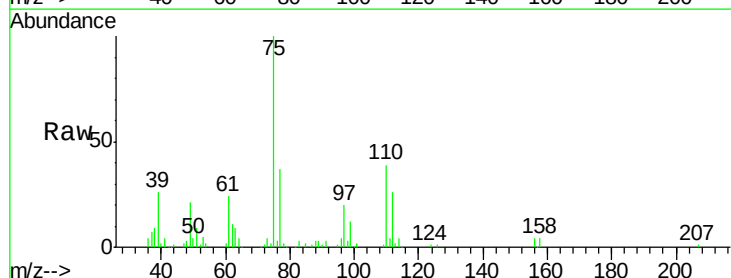
Acq: 20 May 2020 15:23

Tgt Ion: 75 Resp: 146823

Ion Ratio Lower Upper

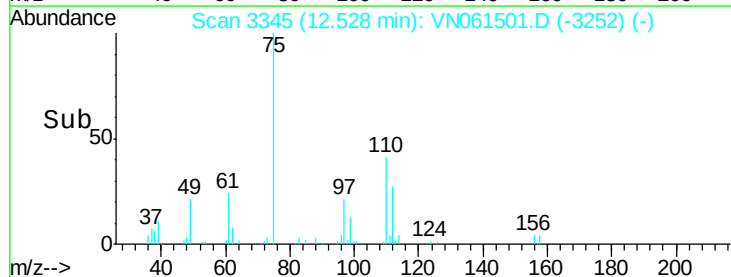
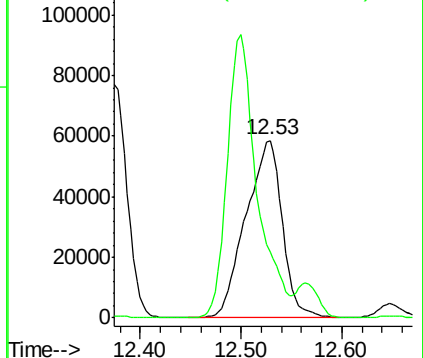
75 100

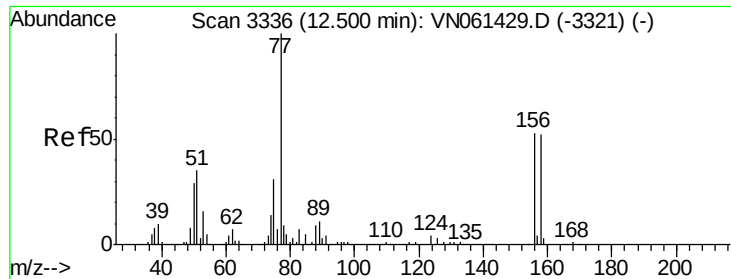
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#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

ClientSampled :

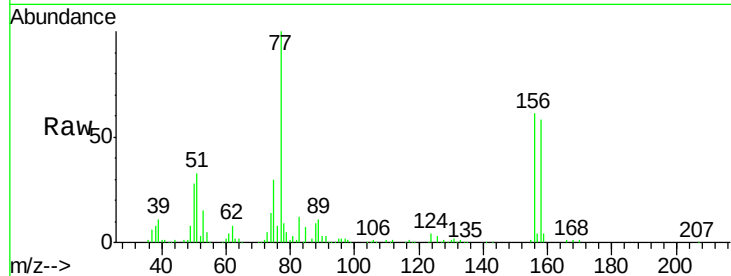
Tot Ion:156 Resp: 95689

Ion Ratio Lower Upper

156 100

77 203.3 112.3 336.9

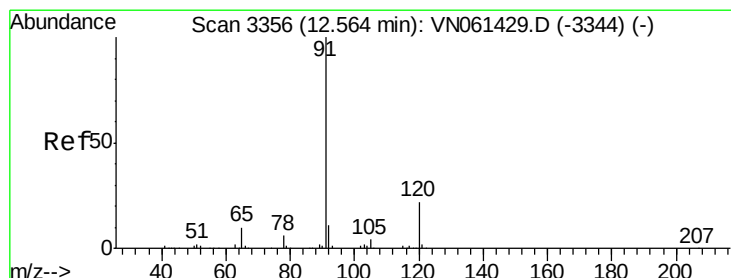
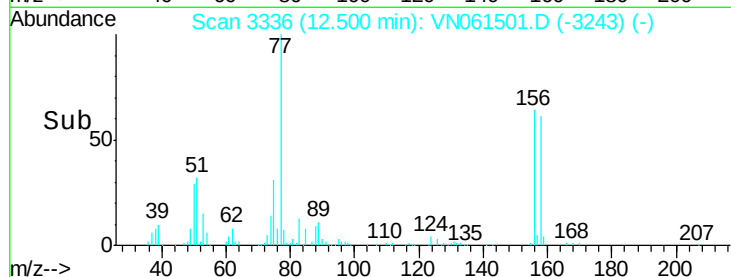
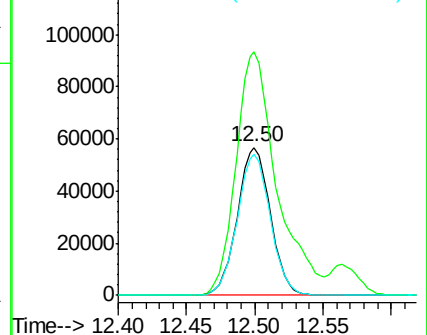
158 95.6 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.586 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061501.D

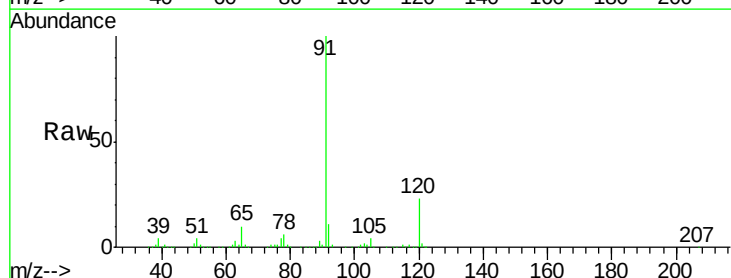
Acq: 20 May 2020 15:23

Tgt Ion: 91 Resp: 456208

Ion Ratio Lower Upper

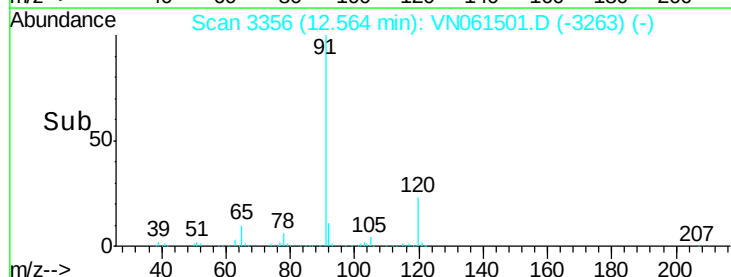
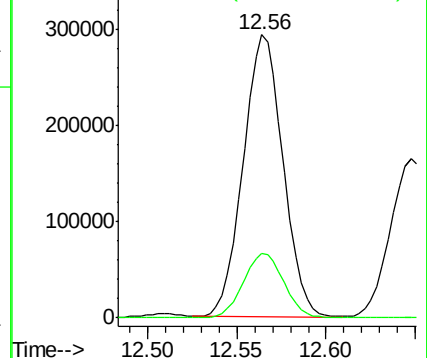
91 100

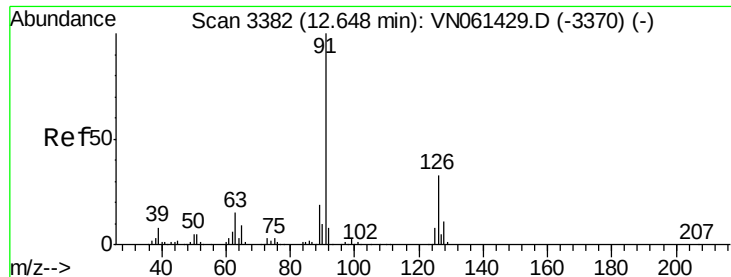
120 23.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#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

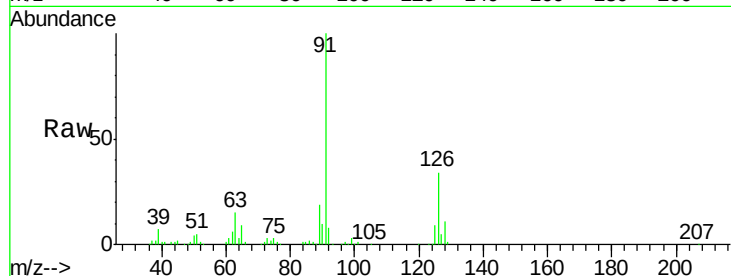
ClientSampled :

Tot Ion: 91 Resp: 269994

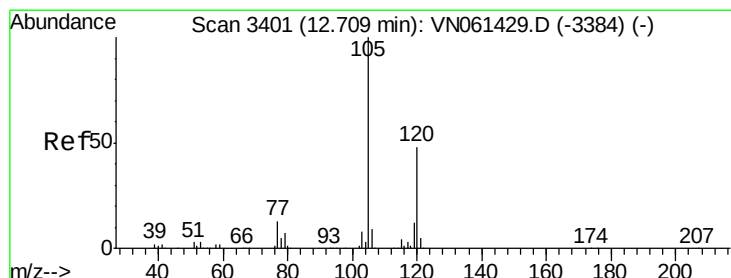
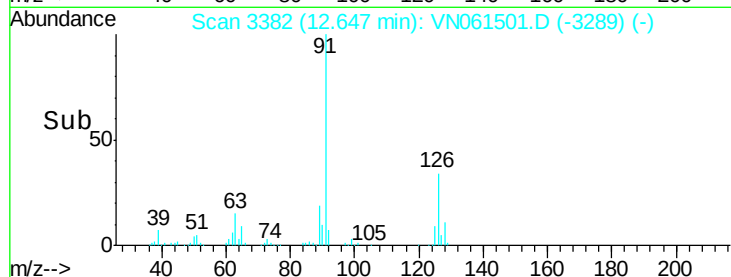
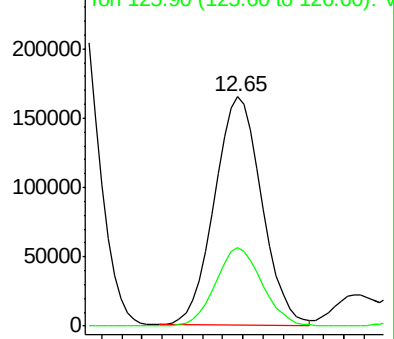
Ion Ratio Lower Upper

91 100

126 34.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061501.D (-3289) (-)



#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

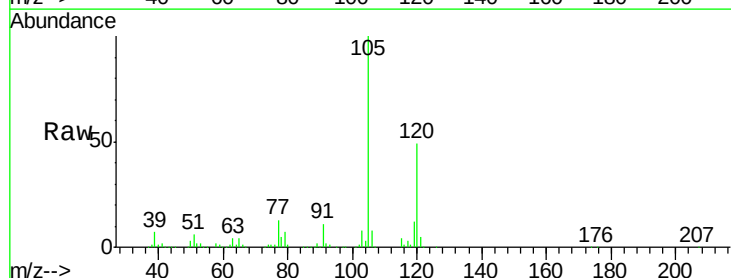
Acq: 20 May 2020 15:23

Tgt Ion:105 Resp: 340819

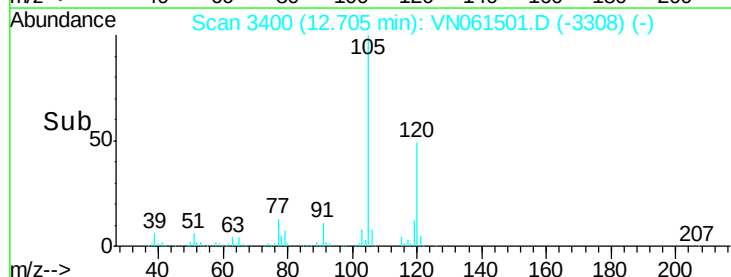
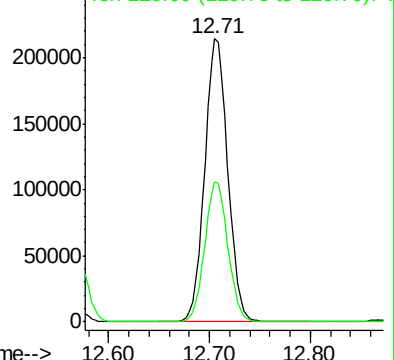
Ion Ratio Lower Upper

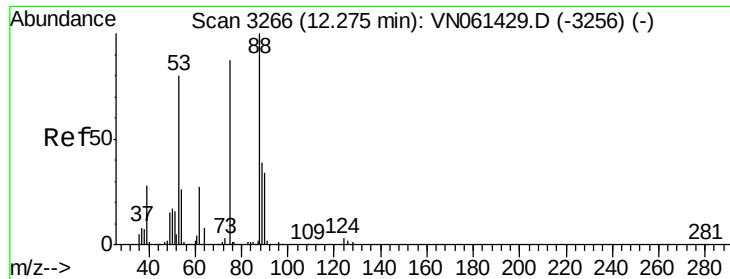
105 100

120 49.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061501.D (-3308) (-)

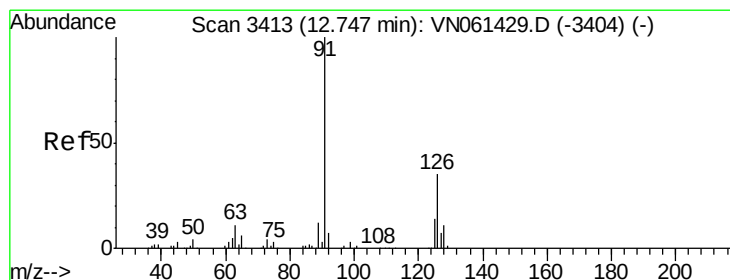
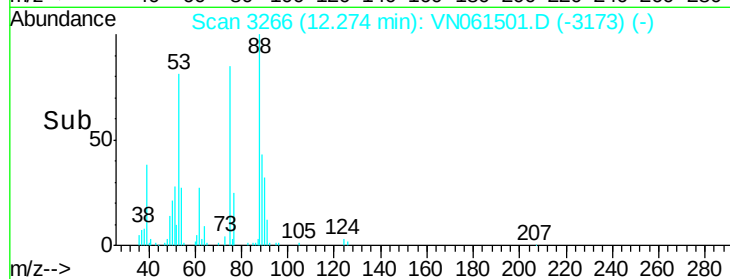
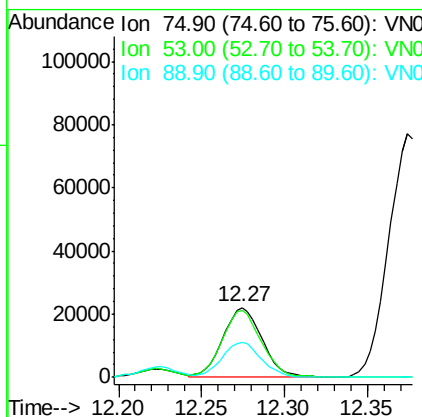
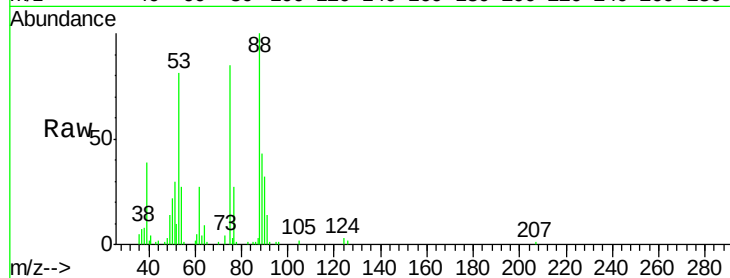




#81
trans-1,4-Dichloro-2-butene
Concen: 17.712 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

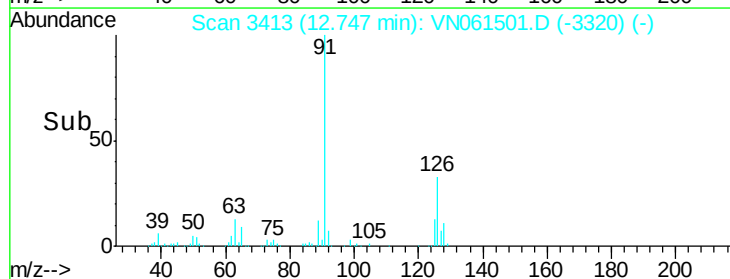
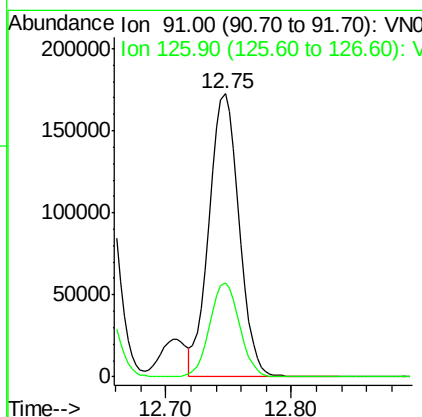
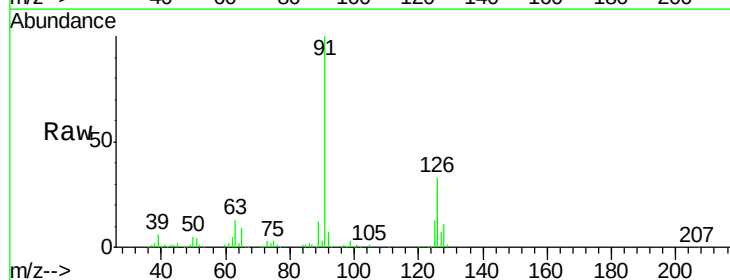
Instrument :
MSVOA_N
ClientSampled :

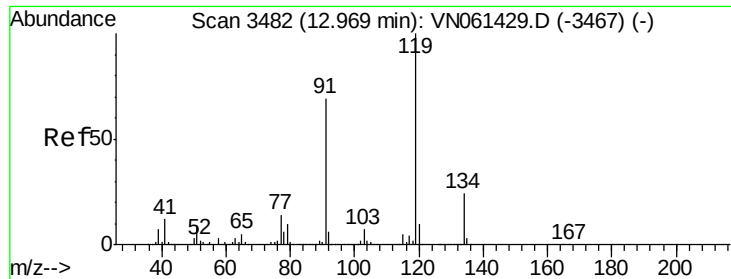
Tot Ion: 75 Resp: 36483
Ion Ratio Lower Upper
75 100
53 96.1 75.2 112.8
89 50.2 38.2 57.4



#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

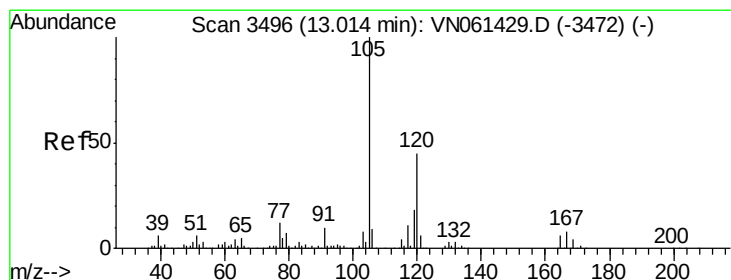
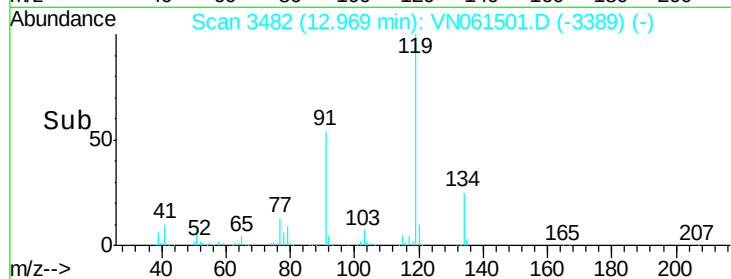
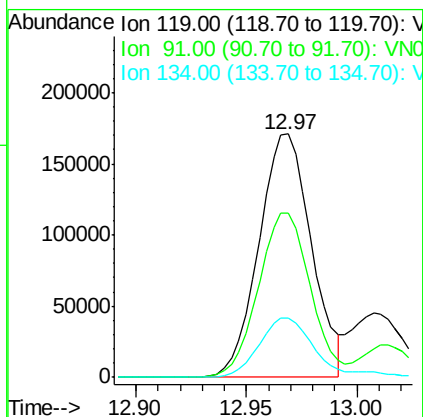
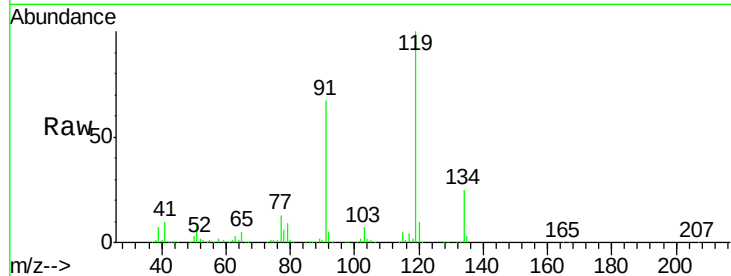




#83
 tert-Butylbenzene
 Concen: 19.656 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

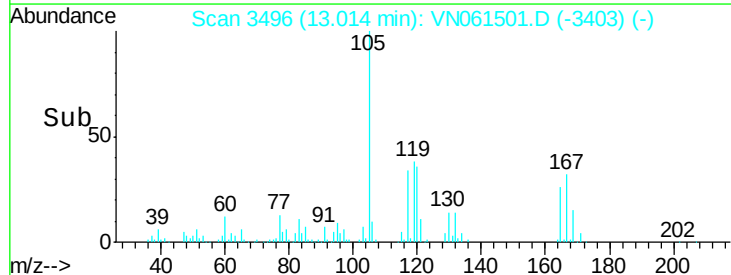
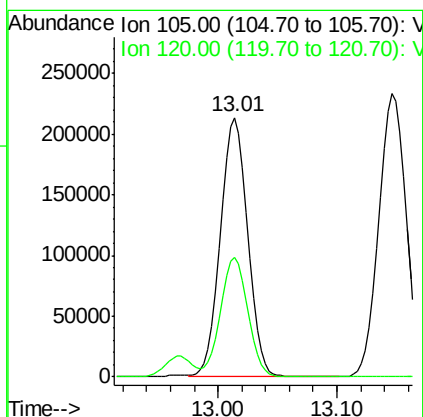
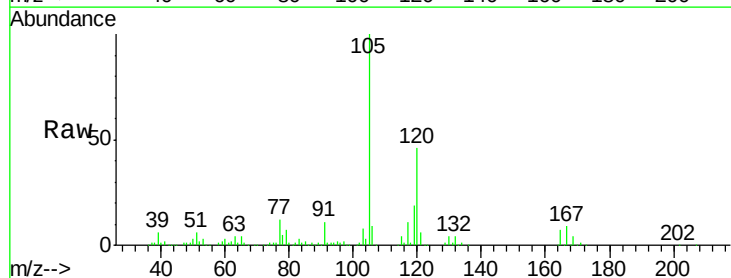
Instrument :
 MSVOA_N
 ClientSampled :

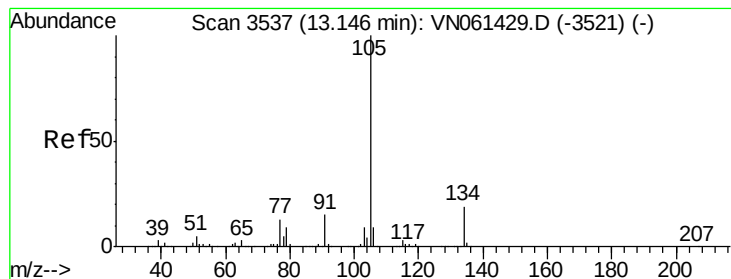
Tot Ion:119 Resp: 281817
 Ion Ratio Lower Upper
 119 100
 91 66.8 33.7 101.0
 134 26.3 12.8 38.3



#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

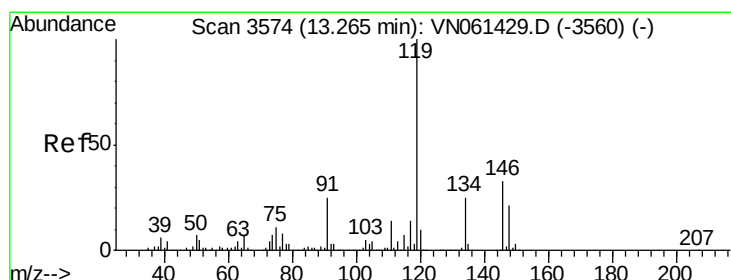
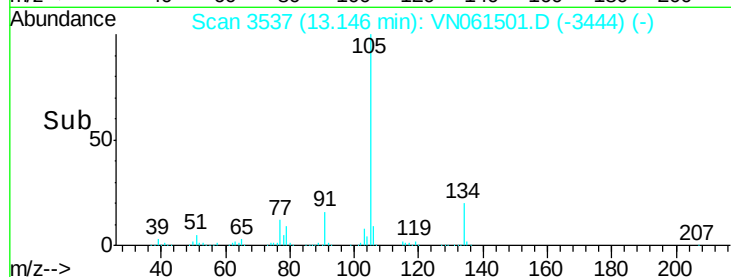
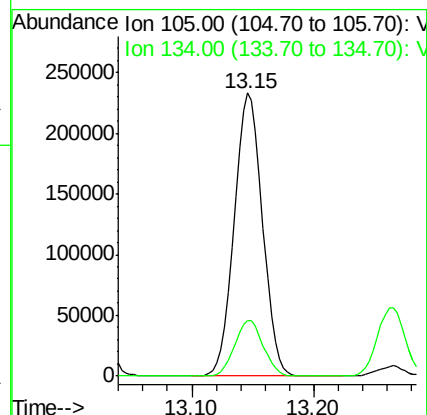
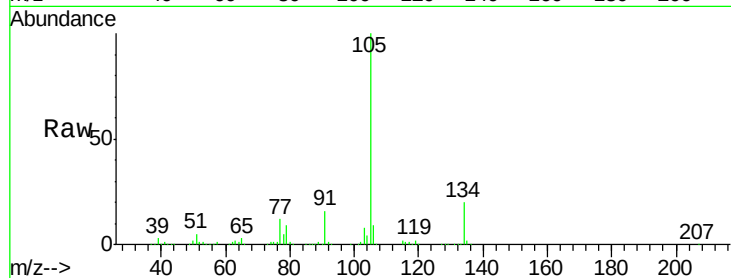
ClientSampleId :

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

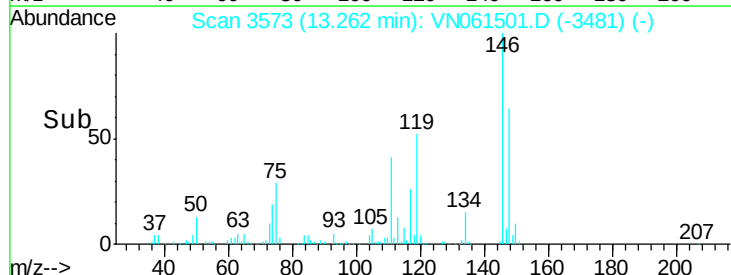
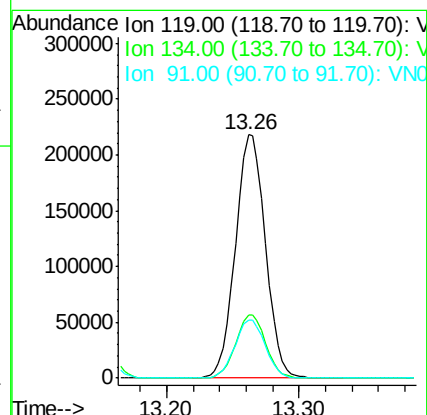
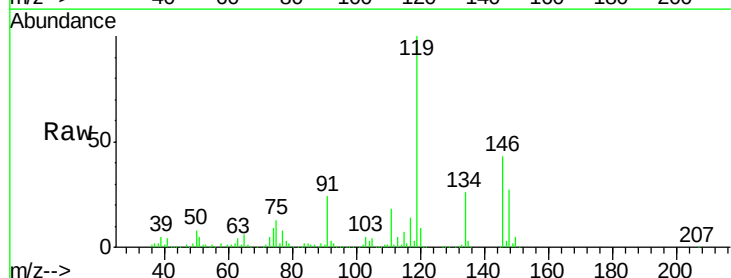
Tgt Ion:119 Resp: 340975

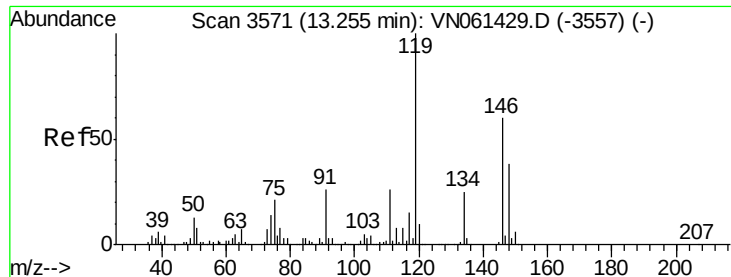
Ion Ratio Lower Upper

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

ClientSampleId :

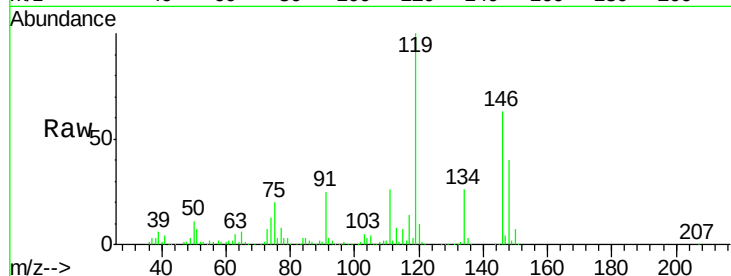
Tot Ion:146 Resp: 171215

Ion Ratio Lower Upper

146 100

111 41.6 21.5 64.5

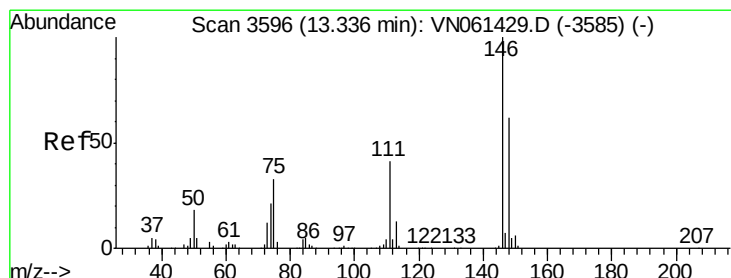
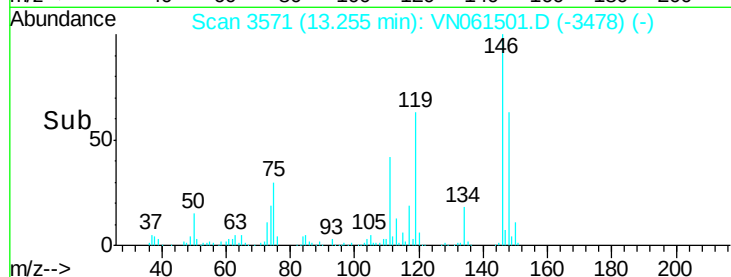
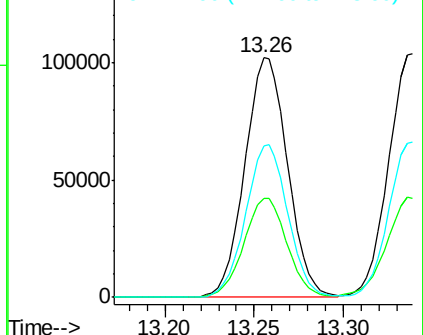
148 62.7 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 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

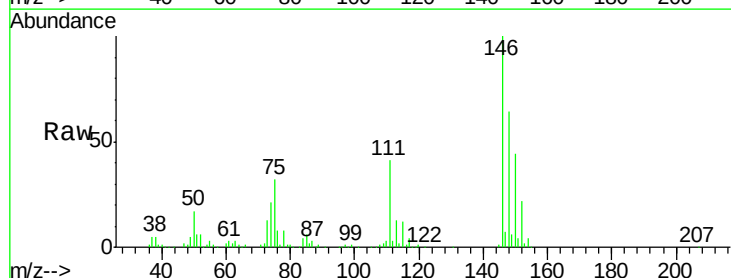
Tgt Ion:146 Resp: 171871

Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.5

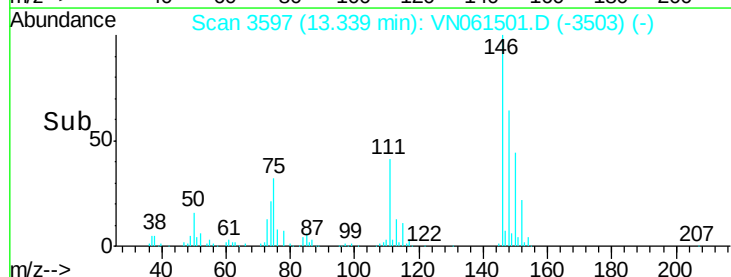
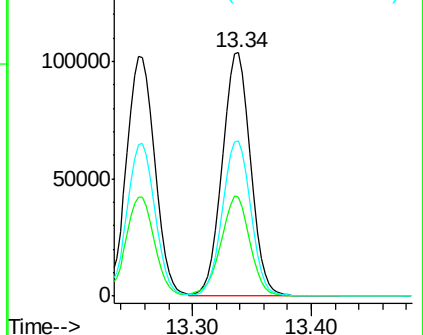
148 64.1 31.6 94.8

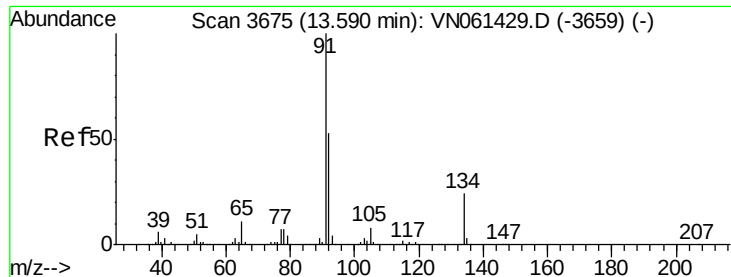


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 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 :

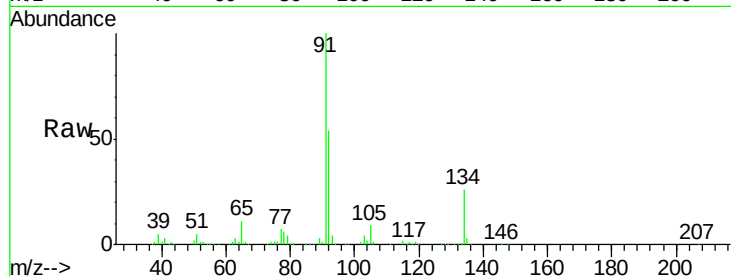
Tot Ion: 91 Resp: 290419

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.3

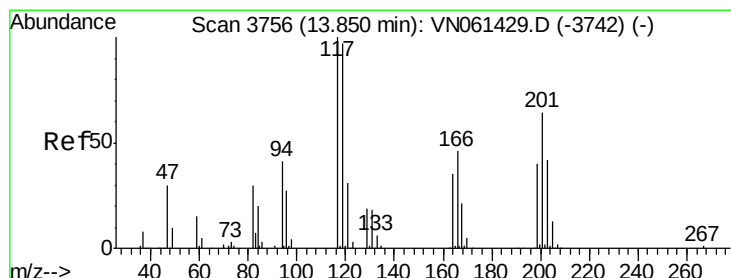
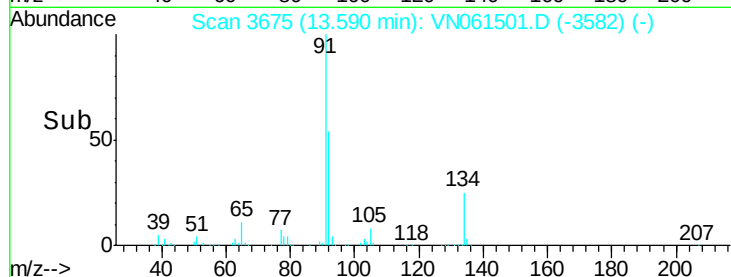
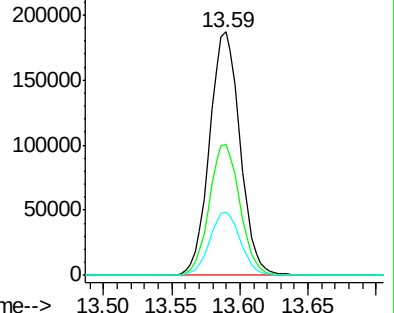
134 26.2 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)



#90

Hexachloroethane

Concen: 19.568 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061501.D

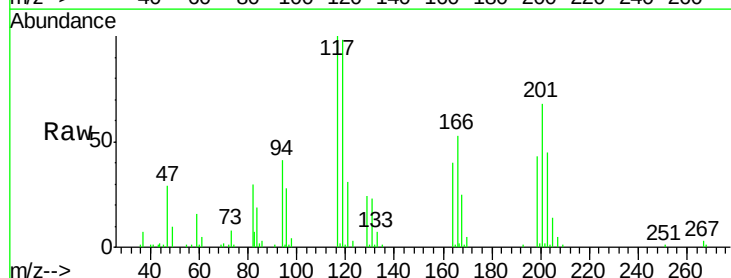
Acq: 20 May 2020 15:23

Tgt Ion: 117 Resp: 45657

Ion Ratio Lower Upper

117 100

201 68.5 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)

Ion 251.00 (250.70 to 251.70): VN061429.D (-3742) (-)

Ion 267.00 (266.70 to 267.70): VN061429.D (-3742) (-)

Ion 281.00 (280.70 to 281.70): VN061429.D (-3742) (-)

Ion 297.00 (296.70 to 297.70): VN061429.D (-3742) (-)

Ion 313.00 (312.70 to 313.70): VN061429.D (-3742) (-)

Ion 329.00 (328.70 to 329.70): VN061429.D (-3742) (-)

Ion 345.00 (344.70 to 345.70): VN061429.D (-3742) (-)

Ion 361.00 (360.70 to 361.70): VN061429.D (-3742) (-)

Ion 377.00 (376.70 to 377.70): VN061429.D (-3742) (-)

Ion 393.00 (392.70 to 393.70): VN061429.D (-3742) (-)

Ion 409.00 (408.70 to 409.70): VN061429.D (-3742) (-)

Ion 425.00 (424.70 to 425.70): VN061429.D (-3742) (-)

Ion 441.00 (440.70 to 441.70): VN061429.D (-3742) (-)

Ion 457.00 (456.70 to 457.70): VN061429.D (-3742) (-)

Ion 473.00 (472.70 to 473.70): VN061429.D (-3742) (-)

Ion 489.00 (488.70 to 489.70): VN061429.D (-3742) (-)

Ion 505.00 (504.70 to 505.70): VN061429.D (-3742) (-)

Ion 521.00 (520.70 to 521.70): VN061429.D (-3742) (-)

Ion 537.00 (536.70 to 537.70): VN061429.D (-3742) (-)

Ion 553.00 (552.70 to 553.70): VN061429.D (-3742) (-)

Ion 569.00 (568.70 to 569.70): VN061429.D (-3742) (-)

Ion 585.00 (584.70 to 585.70): VN061429.D (-3742) (-)

Ion 601.00 (600.70 to 601.70): VN061429.D (-3742) (-)

Ion 617.00 (616.70 to 617.70): VN061429.D (-3742) (-)

Ion 633.00 (632.70 to 633.70): VN061429.D (-3742) (-)

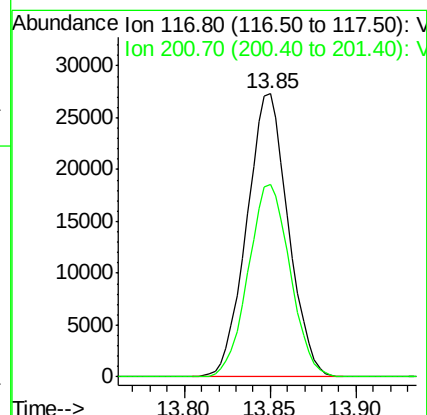
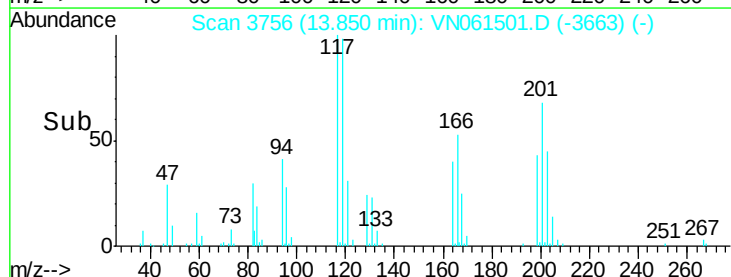
Ion 649.00 (648.70 to 649.70): VN061429.D (-3742) (-)

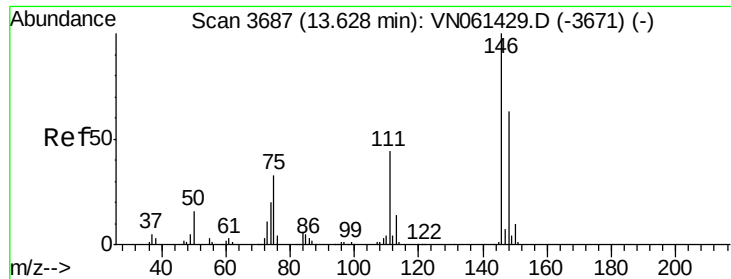
Ion 665.00 (664.70 to 665.70): VN061429.D (-3742) (-)

Ion 681.00 (680.70 to 681.70): VN061429.D (-3742) (-)

Ion 697.00 (696.70 to 697.70): VN061429.D (-3742) (-)

Ion 713.00 (712.70 to 713.70): VN061429.D (-3742) (-)

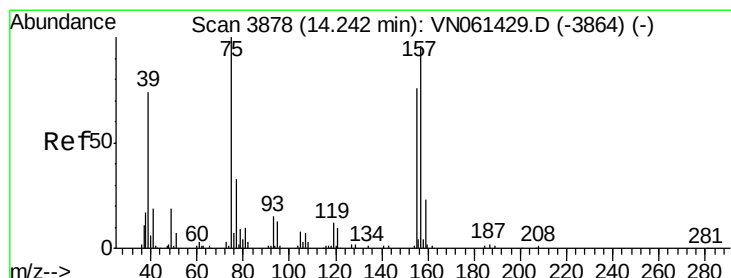
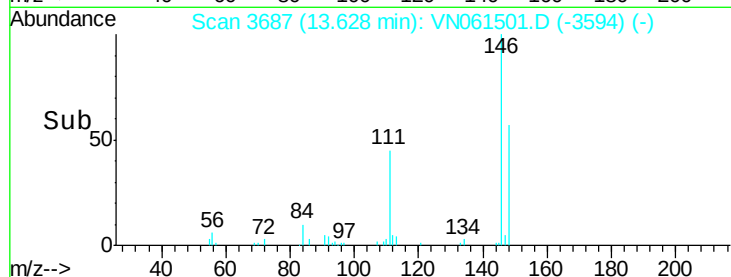
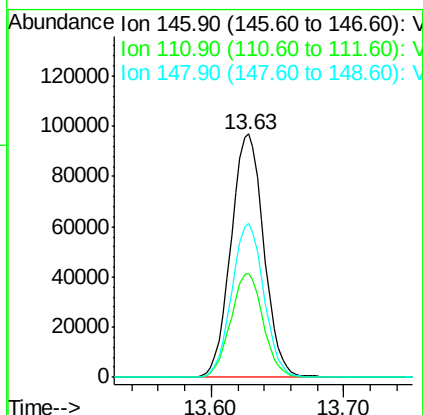
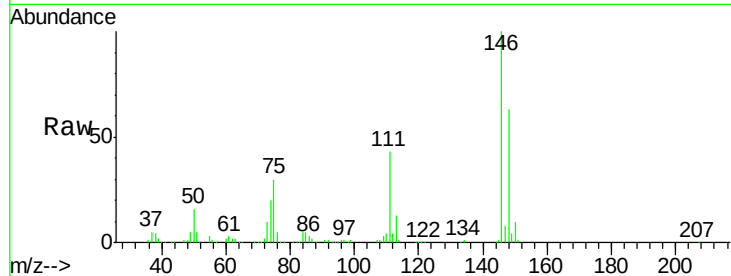




#91
 1,2-Dichlorobenzene
 Concen: 21.422 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

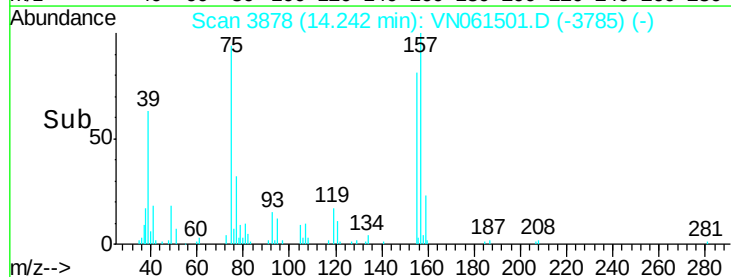
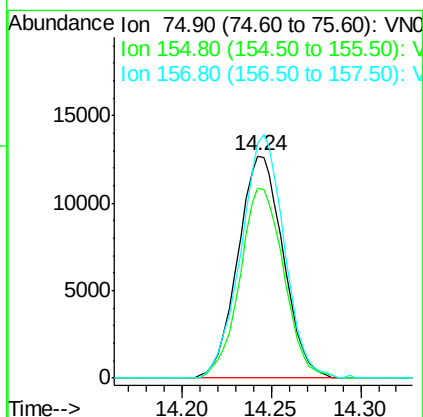
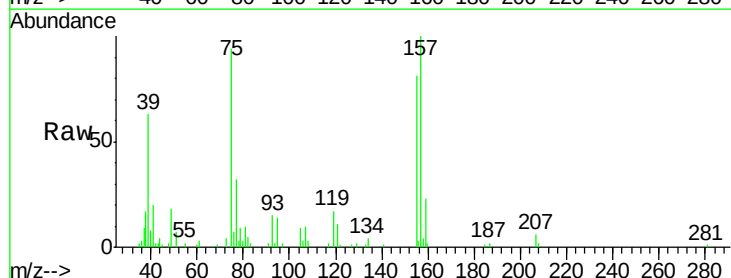
Instrument :
 MSVOA_N
 ClientSampleId :

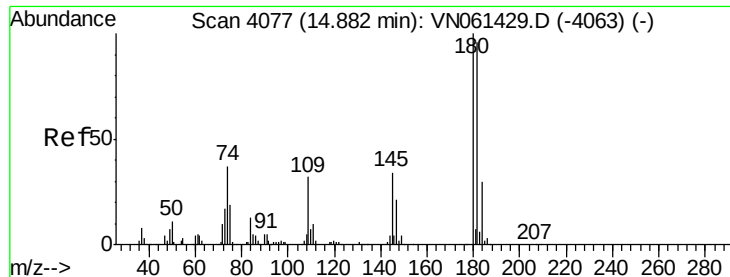
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.9	65.7
148	61.9	31.6	94.7



#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	Ratio	Lower	Upper
75	100		
155	82.8	38.9	116.7
157	104.6	48.6	145.8

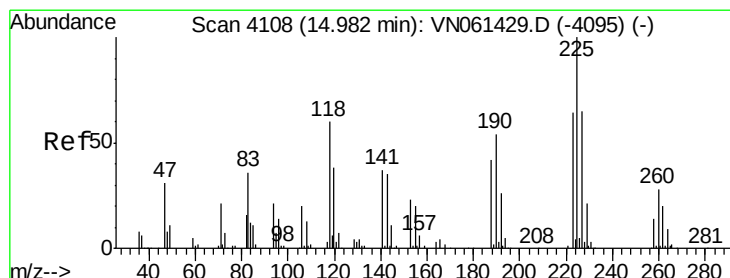
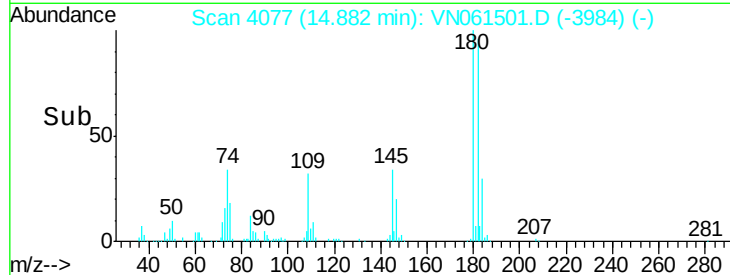
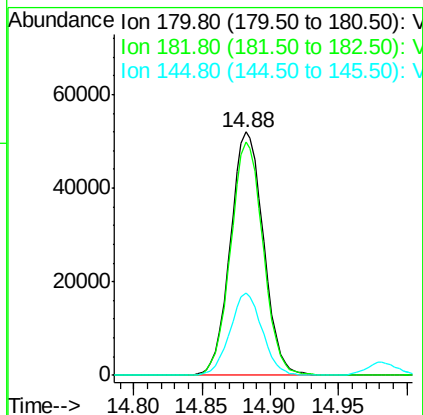
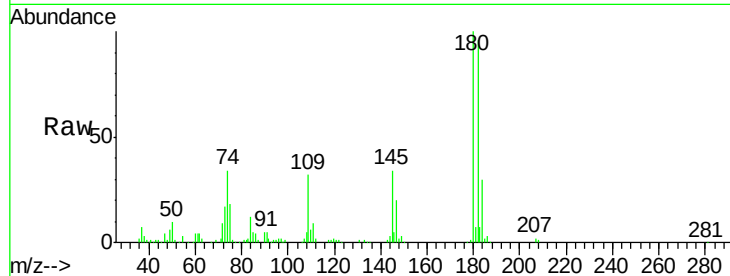




#93
 1,2,4-Trichlorobenzene
 Concen: 20.730 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061501.D
 Acq: 20 May 2020 15:23

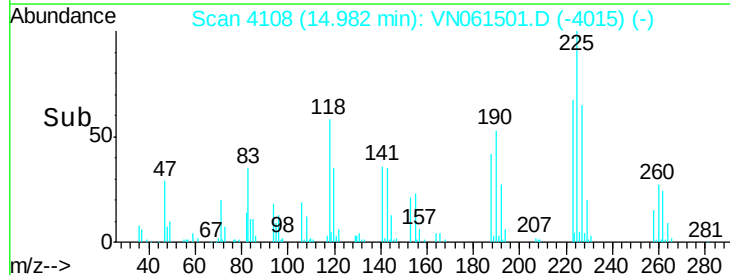
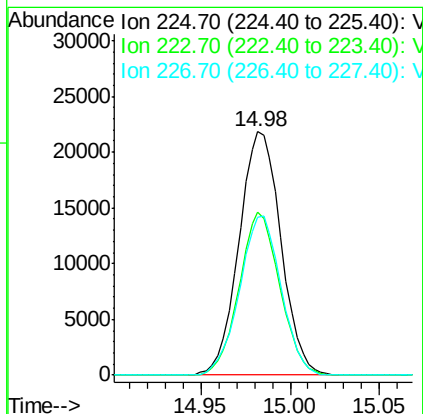
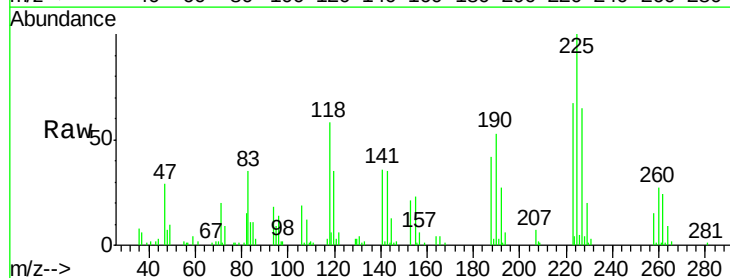
Instrument :
 MSVOA_N
 ClientSampleId :

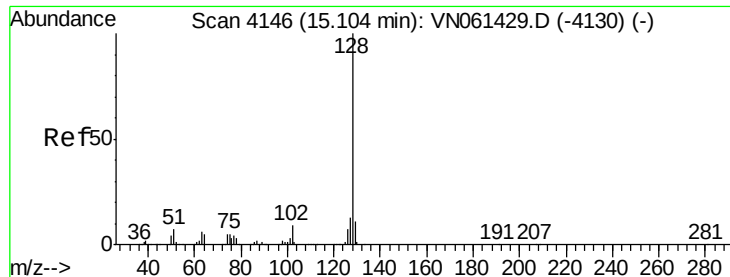
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.0
145	32.8	16.7	50.0



#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	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.7
227	64.6	31.5	94.5

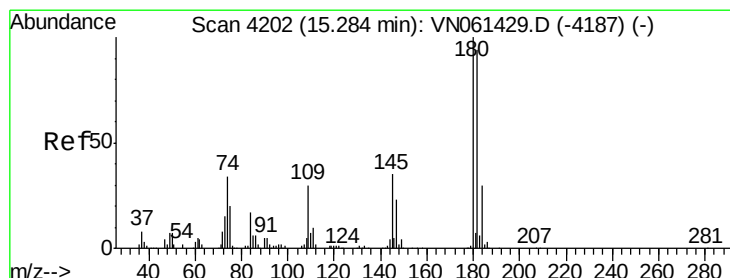
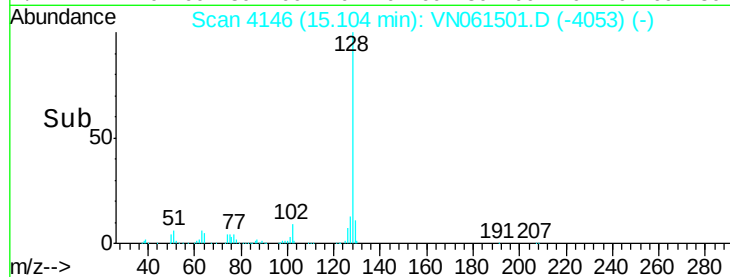
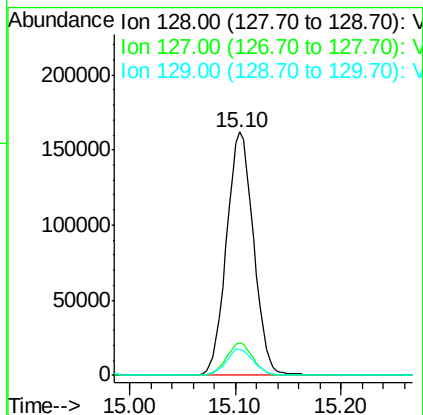
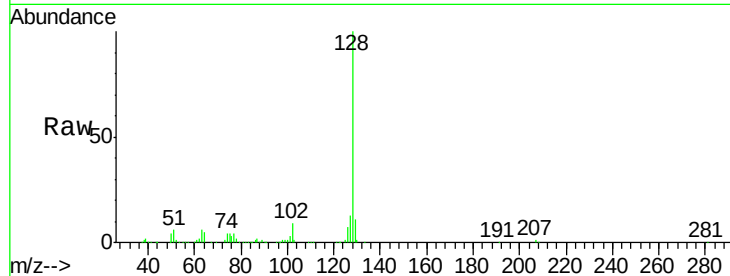




#95
Naphthalene
Concen: 21.354 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061501.D
Acq: 20 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :

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

