

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
 Data File : VN061523.D
 Acq On : 21 May 2020 12:21
 Operator : JC/MD
 Sample : VN0521WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 07:12:21 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	290633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	467296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	220891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	186466	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	
35) Dibromofluoromethane	7.54	113	138314	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.06	98	572857	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	12.37	95	211192	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43811	18.129	ug/l	100
3) Chloromethane	2.03	50	58982	14.964	ug/l	100
4) Vinyl Chloride	2.16	62	83007	14.715	ug/l	100
5) Bromomethane	2.54	94	49610	14.563	ug/l	98
6) Chloroethane	2.67	64	54767	14.424	ug/l	96
7) Trichlorofluoromethane	2.98	101	114001	16.646	ug/l	98
8) Diethyl Ether	3.37	74	35806	17.949	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53275	18.706	ug/l	98
10) Methyl Iodide	3.91	142	66981	19.364	ug/l	100
11) Tert butyl alcohol	4.73	59	43144	86.325	ug/l	100
12) 1,1-Dichloroethene	3.69	96	51577	17.313	ug/l	92
13) Acrolein	3.56	56	30897	73.002	ug/l	95
14) Allyl chloride	4.27	41	72381	14.929	ug/l	96
15) Acrylonitrile	4.93	53	115786	78.197	ug/l	99
16) Acetone	3.77	43	94318	77.082	ug/l	98
17) Carbon Disulfide	4.00	76	130537	18.399	ug/l	100
18) Methyl Acetate	4.27	43	47258	15.140	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	189909	16.798	ug/l	96
20) Methylene Chloride	4.50	84	61492	17.250	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	60334	17.564	ug/l	94
22) Diisopropyl ether	5.90	45	168383	15.456	ug/l	98
23) Vinyl Acetate	5.84	43	659972	76.178	ug/l	98
24) 1,1-Dichloroethane	5.79	63	102968	16.204	ug/l	99
25) 2-Butanone	6.78	43	144786	73.312	ug/l	95
26) 2,2-Dichloropropane	6.77	77	96330	15.902	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	71643	17.656	ug/l	90
28) Bromochloromethane	7.14	49	45818	16.987	ug/l	85
29) Tetrahydrofuran	7.16	42	95934	73.347	ug/l	94
30) Chloroform	7.33	83	114272	17.217	ug/l	99
31) Cyclohexane	7.61	56	90268	13.995	ug/l	# 89
32) 1,1,1-Trichloroethane	7.53	97	102138	16.841	ug/l	98
36) 1,1-Dichloropropene	7.75	75	83140	17.786	ug/l	97
37) Ethyl Acetate	6.88	43	63010	14.863	ug/l	98
38) Carbon Tetrachloride	7.73	117	78595	18.260	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	9.04	83	93195	16.323	ug/l	95
40) Benzene	8.00	78	251071	17.823	ug/l	99
41) Methacrylonitrile	7.12	41	28504	15.919	ug/l	92
42) 1,2-Dichloroethane	8.08	62	87692	17.278	ug/l	97
43) Isopropyl Acetate	8.12	43	111781	15.118	ug/l	97
44) Trichloroethene	8.80	130	71302	19.317	ug/l	96
45) 1,2-Dichloropropane	9.08	63	60519	17.163	ug/l	100
46) Dibromomethane	9.17	93	44894	18.162	ug/l	92
47) Bromodichloromethane	9.37	83	91343	17.539	ug/l	96
48) Methyl methacrylate	9.16	41	49218	14.410	ug/l	95
49) 1,4-Dioxane	9.16	88	18572	498.029	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	313597	77.858	ug/l	98
52) Toluene	10.12	92	164804	18.222	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	97119	17.014	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	105632	17.408	ug/l	93
55) 1,1,2-Trichloroethane	10.53	97	63668	18.620	ug/l	99
56) Ethyl methacrylate	10.40	69	89683	16.777	ug/l	93
57) 1,3-Dichloropropane	10.68	76	105355	17.829	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	182767	77.892	ug/l	93
59) 2-Hexanone	10.72	43	218561	75.002	ug/l	97
60) Dibromochloromethane	10.87	129	71109	18.801	ug/l	99
61) 1,2-Dibromoethane	10.98	107	66446	18.482	ug/l	97
64) Tetrachloroethene	10.60	164	70844	19.596	ug/l	97
65) Chlorobenzene	11.40	112	177230	18.599	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	65501	19.173	ug/l	97
67) Ethyl Benzene	11.48	91	308467	17.733	ug/l	98
68) m/p-Xylenes	11.59	106	242725	36.763	ug/l	96
69) o-Xylene	11.92	106	116977	18.308	ug/l	95
70) Styrene	11.94	104	191439	18.093	ug/l	98
71) Bromoform	12.10	173	43114	17.594	ug/l #	98
73) Isopropylbenzene	12.22	105	304031	17.145	ug/l	98
74) N-amyl acetate	12.04	43	93516	14.407	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	83497	17.114	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	105875	22.338	ug/l #	100
77) Bromobenzene	12.50	156	72988	18.965	ug/l	88
78) n-propylbenzene	12.56	91	343058	16.979	ug/l	96
79) 2-Chlorotoluene	12.65	91	205091	17.173	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	253931	17.489	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	25725	14.398	ug/l	97
82) 4-Chlorotoluene	12.75	91	213602	17.273	ug/l	96
83) tert-Butylbenzene	12.97	119	211526	17.008	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	254972	17.547	ug/l	97
85) sec-Butylbenzene	13.15	105	282710	16.810	ug/l	99
86) p-Isopropyltoluene	13.26	119	258341	17.299	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	133614	18.971	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	134639	19.088	ug/l	99
89) n-Butylbenzene	13.59	91	218348	16.094	ug/l	98
90) Hexachloroethane	13.85	117	32584	16.099	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	128087	18.959	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	15299	15.524	ug/l	90

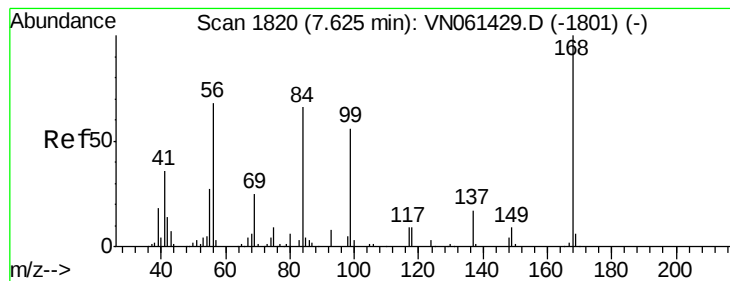
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	68813	18.784	ug/l	99
94) Hexachlorobutadiene	14.98	225	29672	18.230	ug/l	98
95) Naphthalene	15.10	128	213204	18.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	67749	18.578	ug/l	100

(#) = 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: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

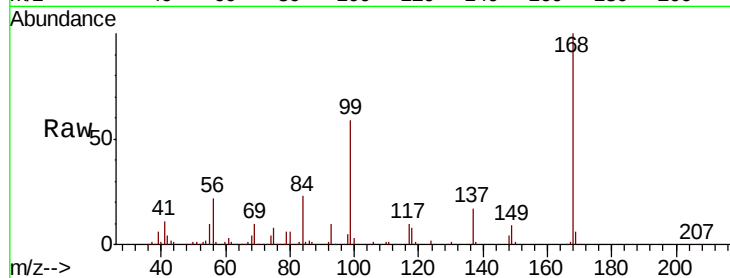
ClientSampled :

Tot Ion:168 Resp: 290633

Ion Ratio Lower Upper

168 100

99 58.4 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

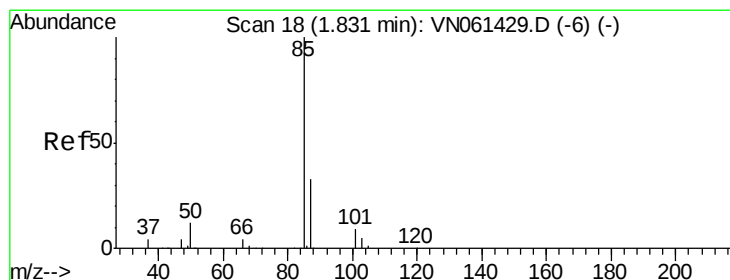
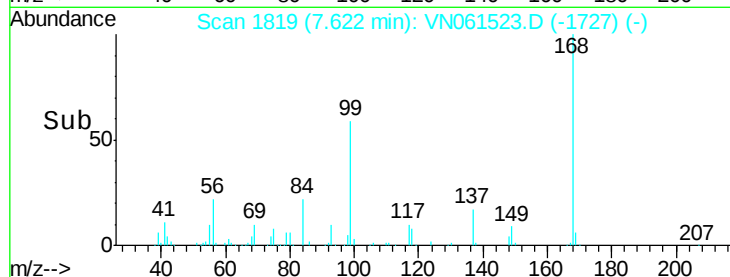
7.62

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.129 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061523.D

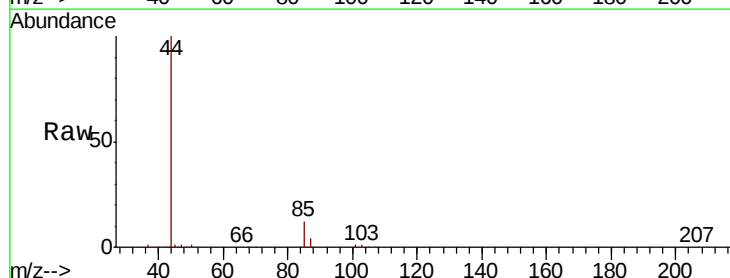
Acq: 21 May 2020 12:21

Tgt Ion: 85 Resp: 43811

Ion Ratio Lower Upper

85 100

87 32.4 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

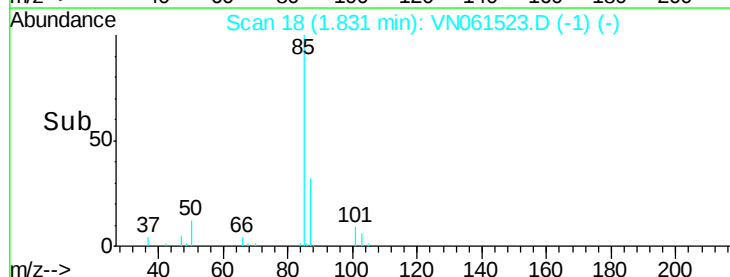
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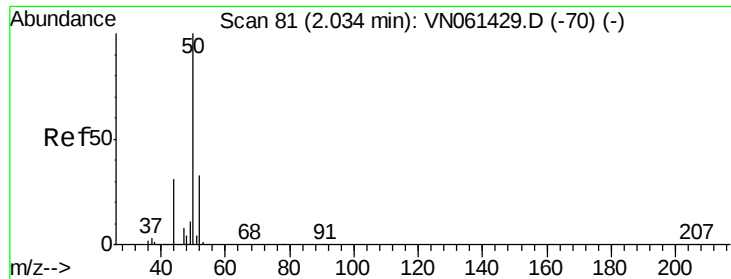
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Time-->

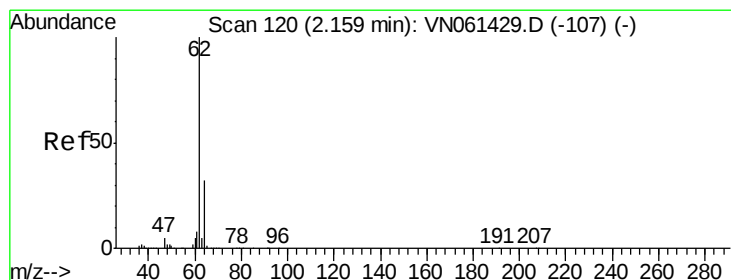
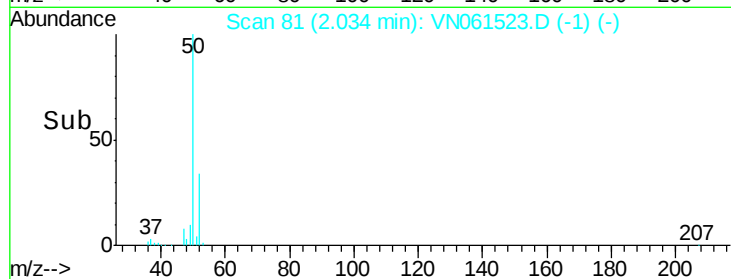
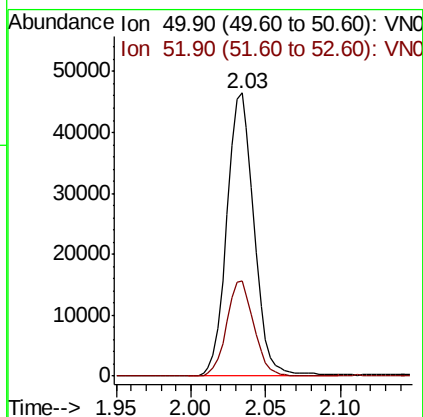
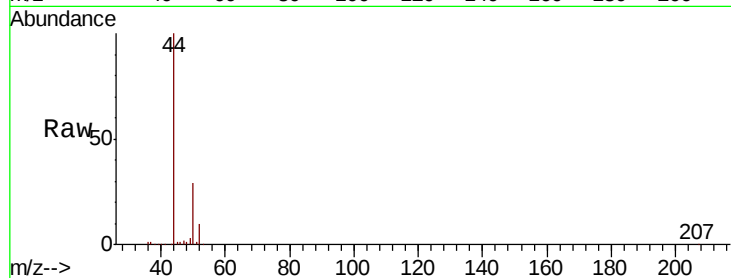




#3
Chloromethane
Concen: 14.964 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

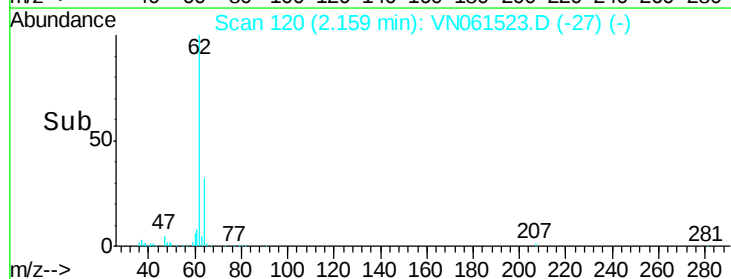
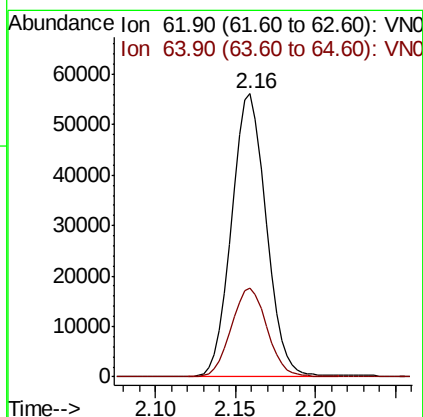
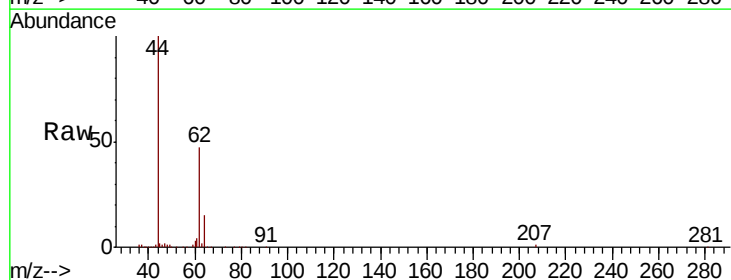
Instrument :
MSVOA_N
ClientSampled :

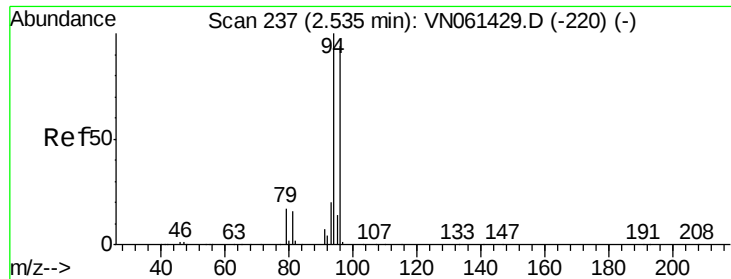
Tot Ion: 50 Resp: 58982
Ion Ratio Lower Upper
50 100
52 33.7 26.7 40.1



#4
Vinyl Chloride
Concen: 14.715 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 62 Resp: 83007
Ion Ratio Lower Upper
62 100
64 31.6 25.3 37.9





#5

Bromomethane

Concen: 14.563 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

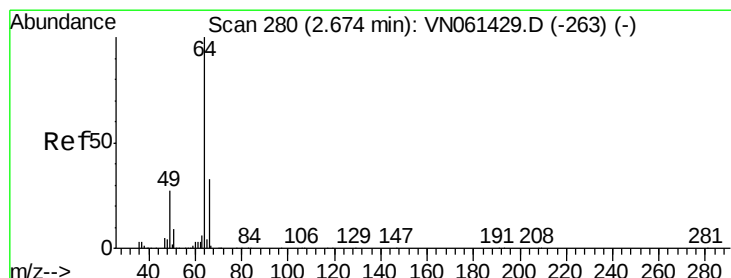
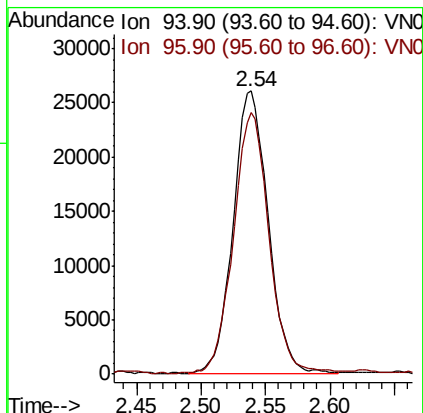
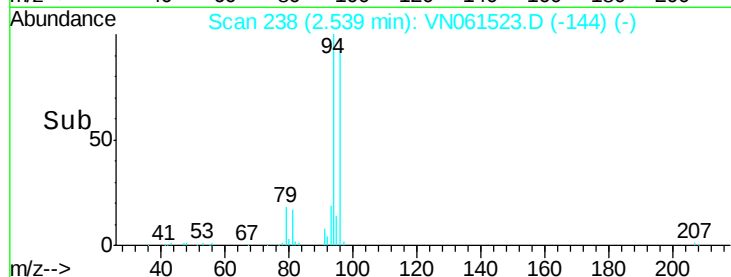
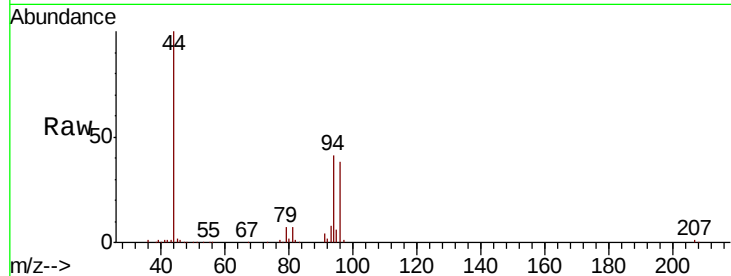
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 49610

Ion Ratio Lower Upper

94 100

96 91.8 74.9 112.3



#6

Chloroethane

Concen: 14.424 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061523.D

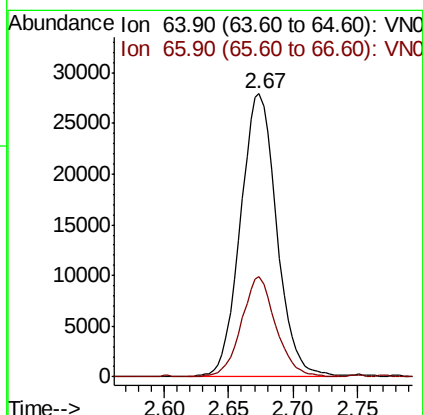
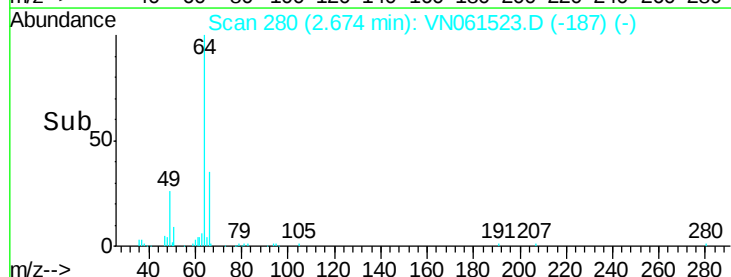
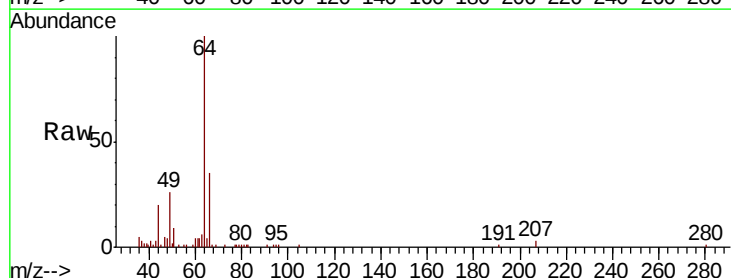
Acq: 21 May 2020 12:21

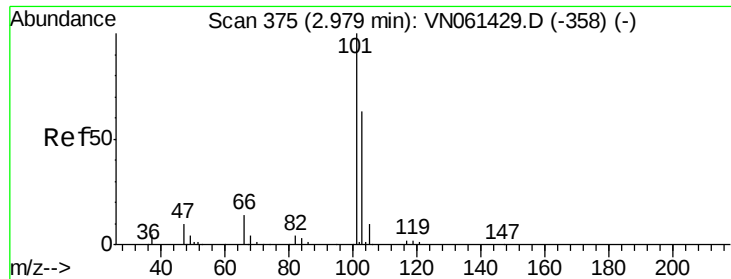
Tgt Ion: 64 Resp: 54767

Ion Ratio Lower Upper

64 100

66 35.3 26.3 39.5



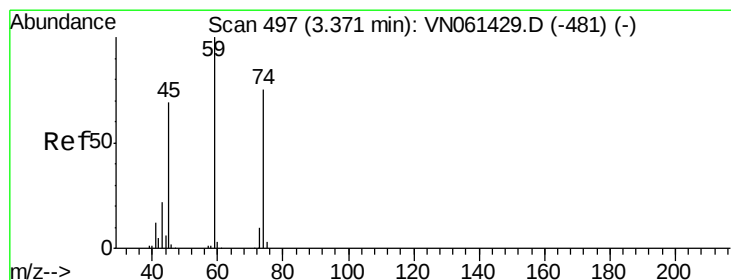
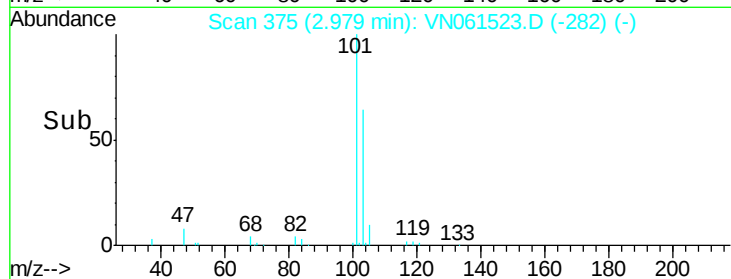
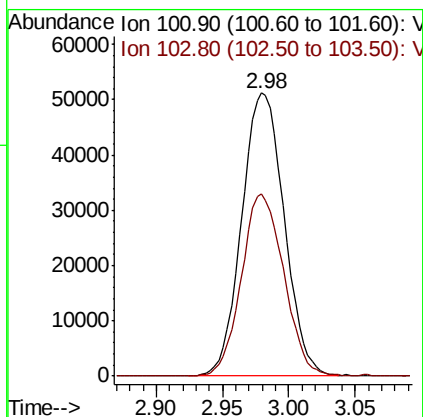
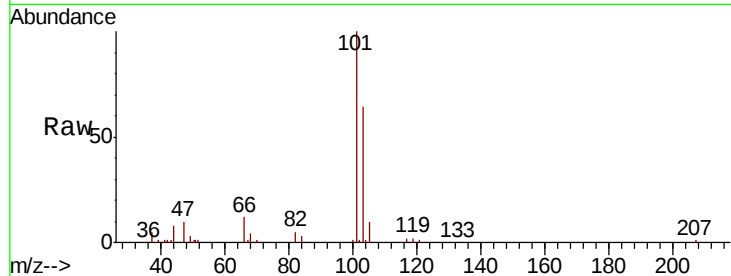


#7

Trichlorofluoromethane
Concen: 16.646 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Instrument :
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ClientSampleId :

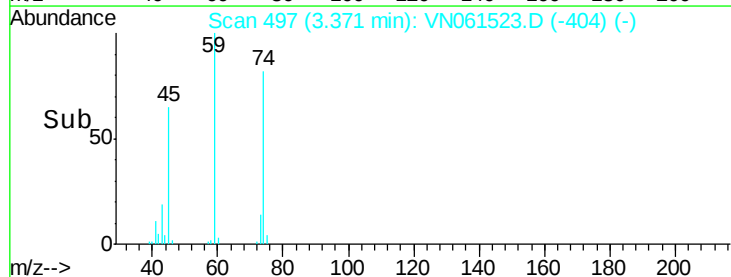
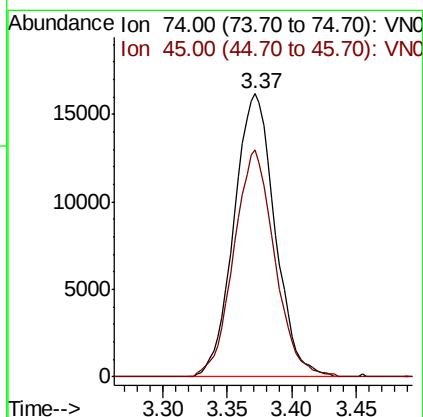
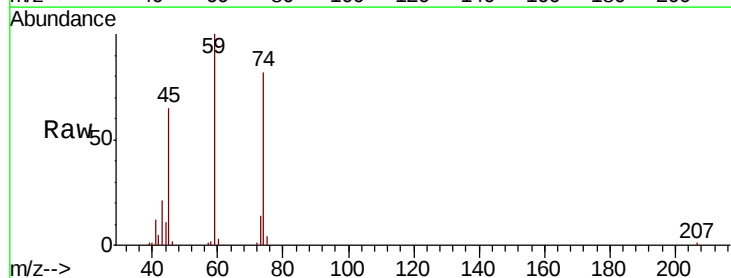
Tot Ion:101 Resp: 114001
Ion Ratio Lower Upper
101 100
103 64.3 50.2 75.4

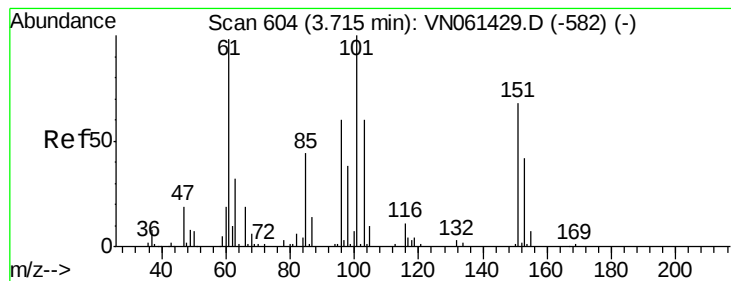


#8

Diethyl Ether
Concen: 17.949 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 74 Resp: 35806
Ion Ratio Lower Upper
74 100
45 80.0 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.706 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

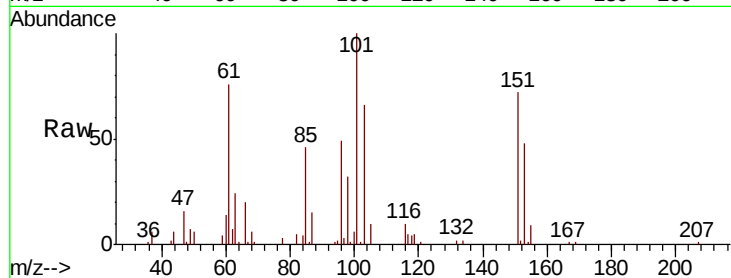
Tot Ion:101 Resp: 53275

Ion Ratio Lower Upper

101 100

85 44.4 36.6 55.0

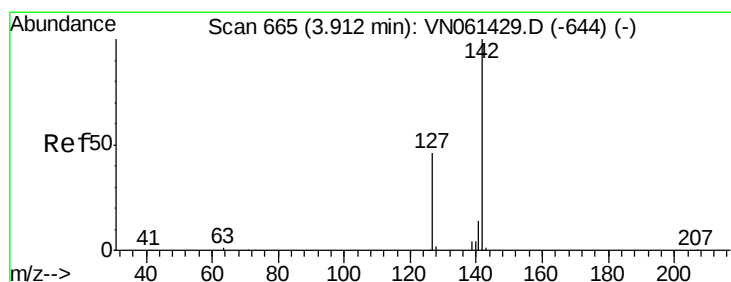
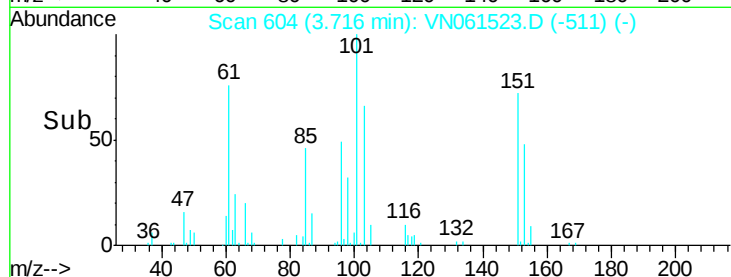
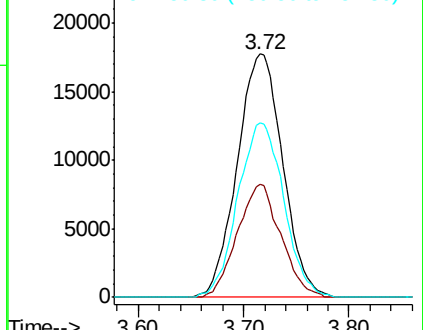
151 72.2 56.3 84.5



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: 19.364 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

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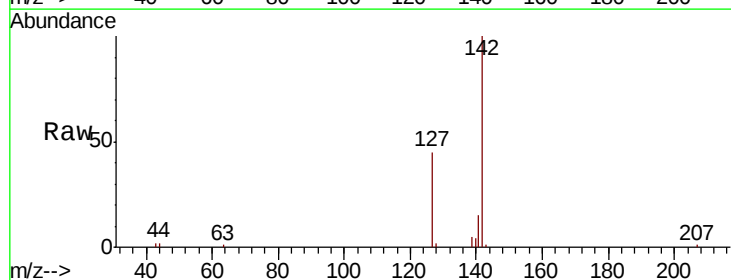
Tgt Ion:142 Resp: 66981

Ion Ratio Lower Upper

142 100

127 45.9 36.7 55.1

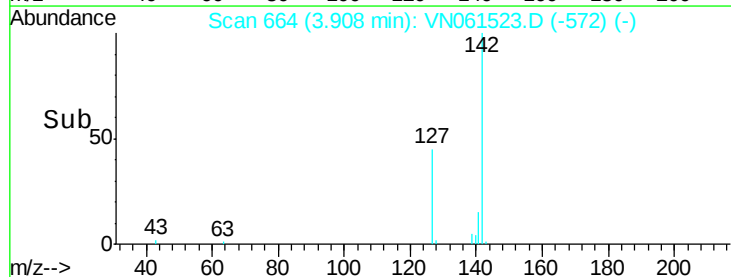
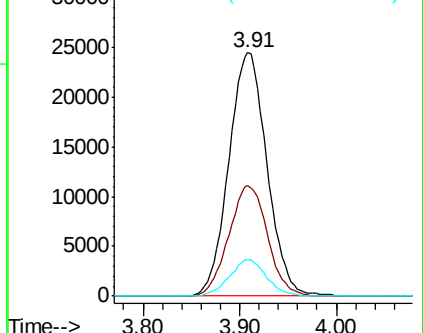
141 14.4 11.5 17.3

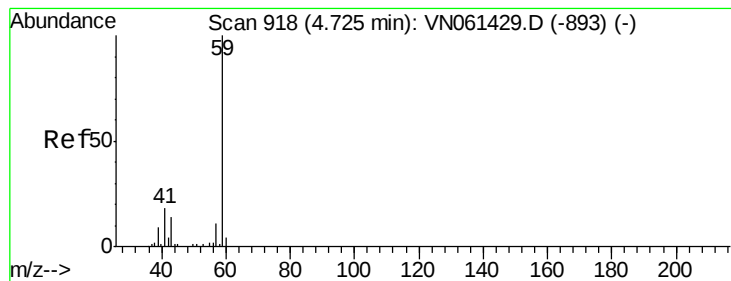


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.325 ug/l

RT: 4.73 min Scan# 918

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

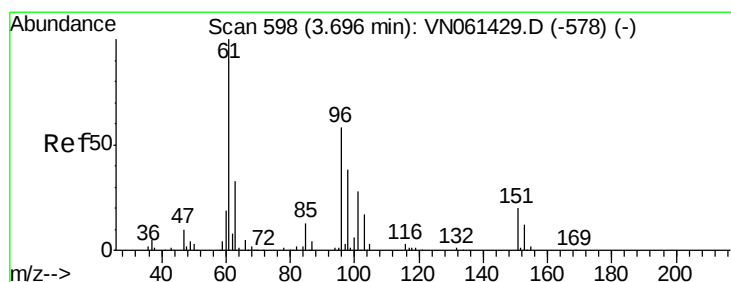
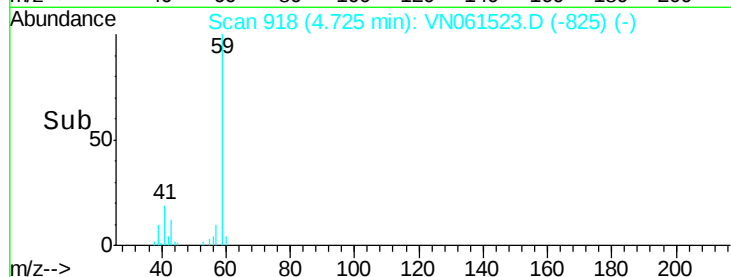
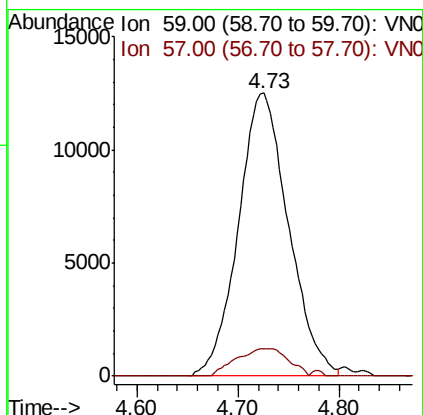
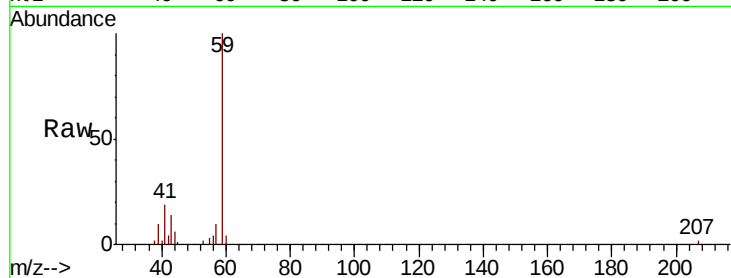
ClientSampled :

Tot Ion: 59 Resp: 43144

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



#12

1,1-Dichloroethene

Concen: 17.313 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

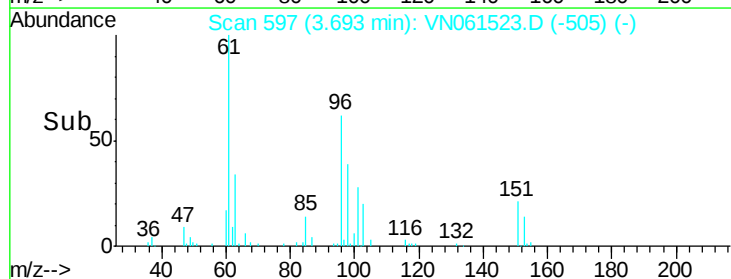
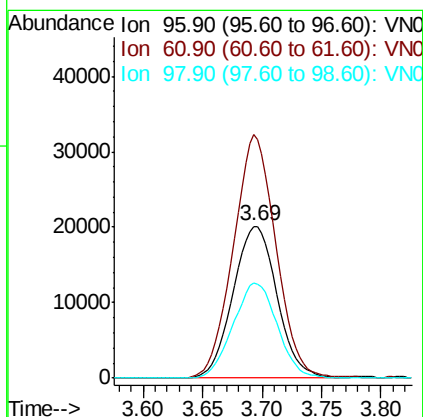
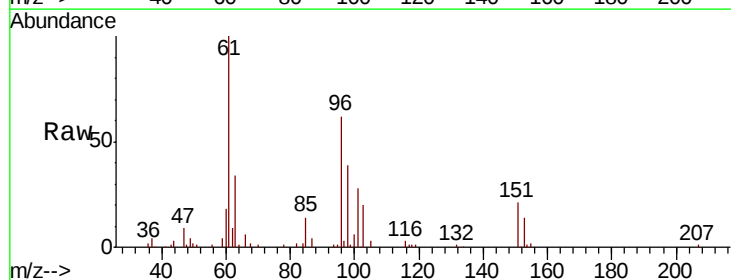
Tgt Ion: 96 Resp: 51577

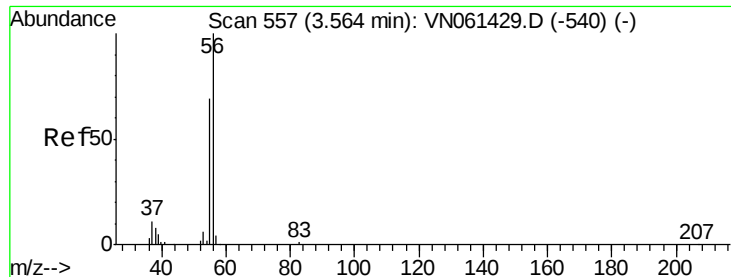
Ion Ratio Lower Upper

96 100

61 160.8 138.7 208.1

98 62.5 53.0 79.6





#13

Acrolein

Concen: 73.002 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

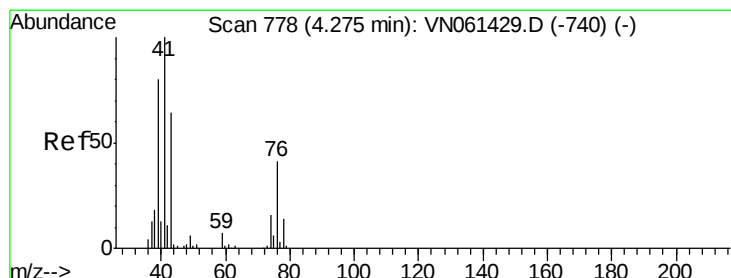
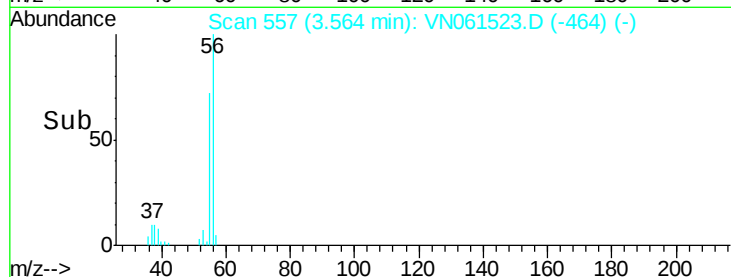
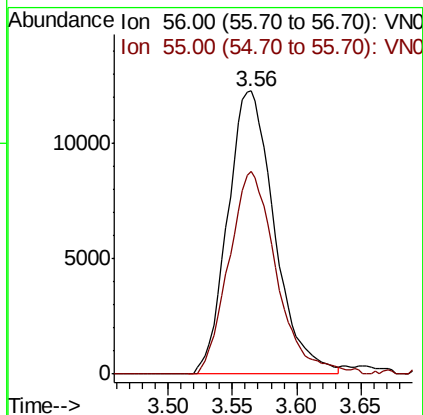
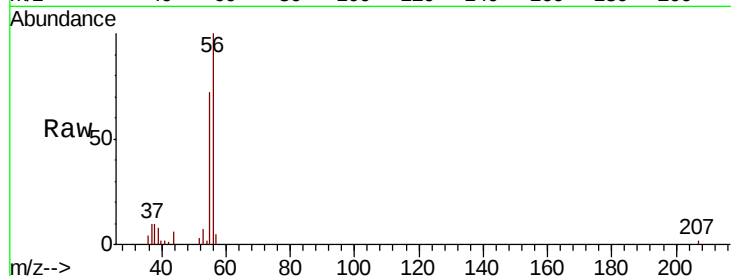
ClientSampled :

Tot Ion: 56 Resp: 30897

Ion Ratio Lower Upper

56 100

55 72.5 54.8 82.2



#14

Allyl chloride

Concen: 14.929 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

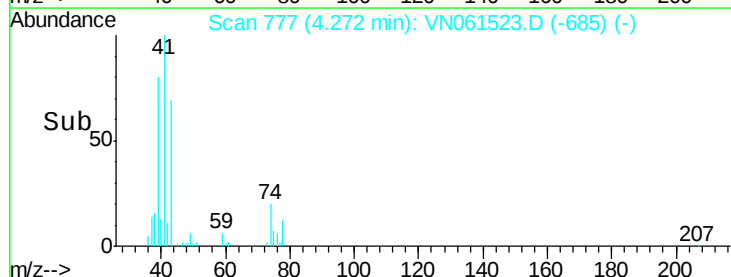
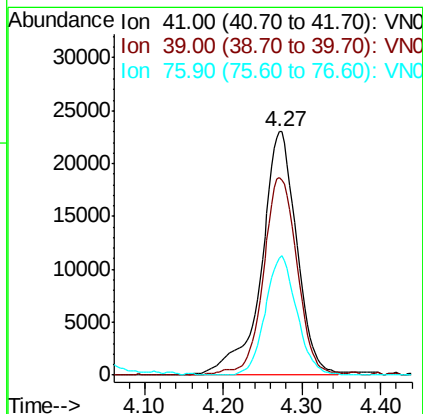
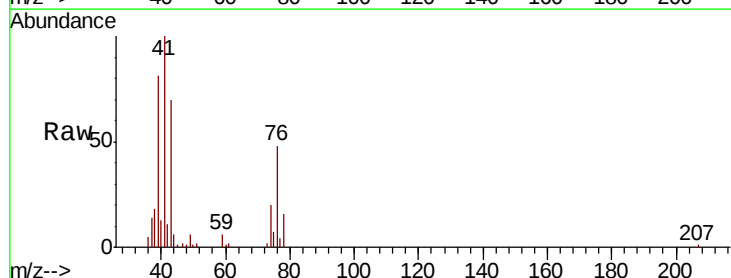
Tgt Ion: 41 Resp: 72381

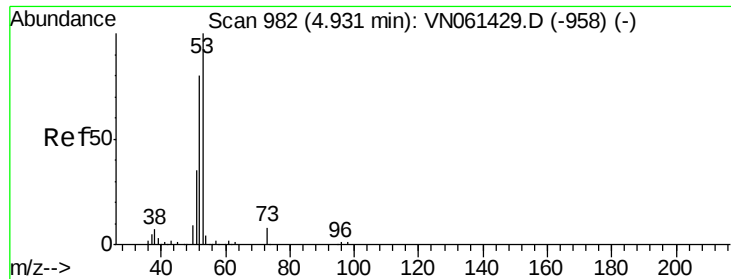
Ion Ratio Lower Upper

41 100

39 77.8 61.2 91.8

76 43.5 29.9 44.9





#15

Acrylonitrile

Concen: 78.197 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

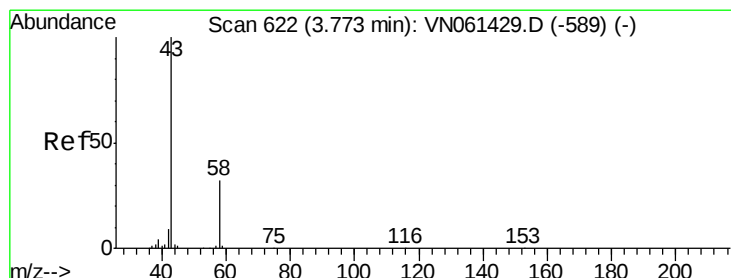
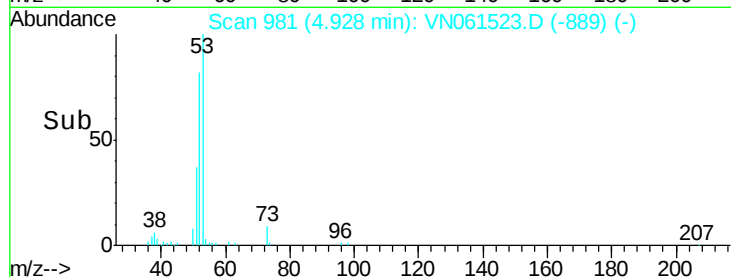
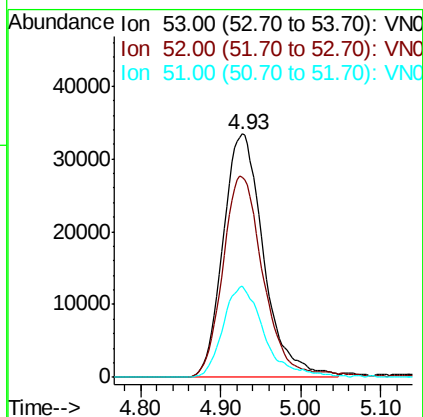
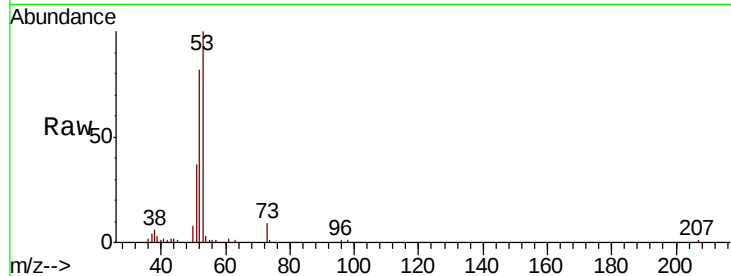
Tot Ion: 53 Resp: 115786

Ion Ratio Lower Upper

53 100

52 81.8 64.7 97.1

51 37.9 29.5 44.3



#16

Acetone

Concen: 77.082 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061523.D

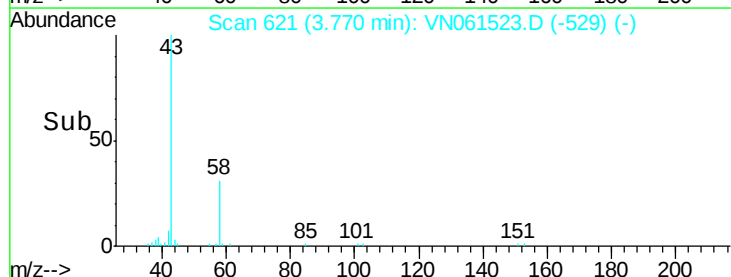
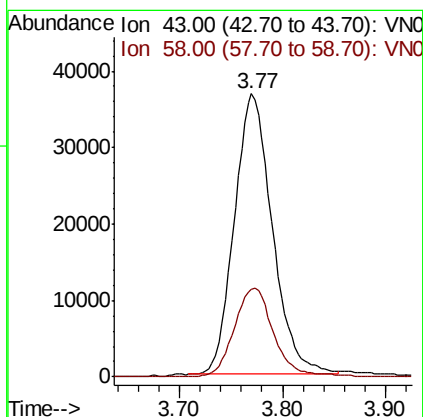
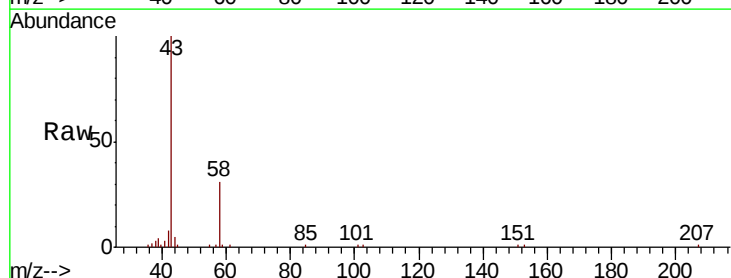
Acq: 21 May 2020 12:21

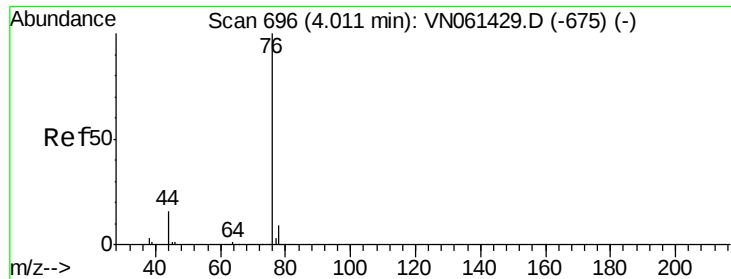
Tgt Ion: 43 Resp: 94318

Ion Ratio Lower Upper

43 100

58 31.2 25.6 38.4

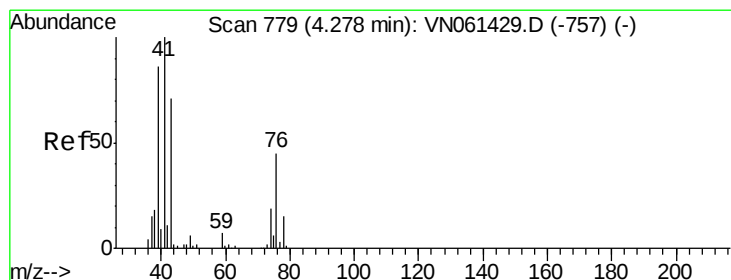
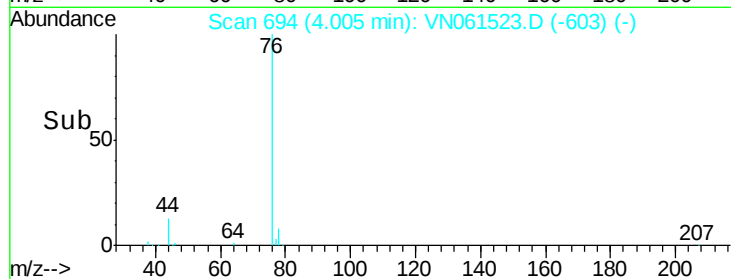
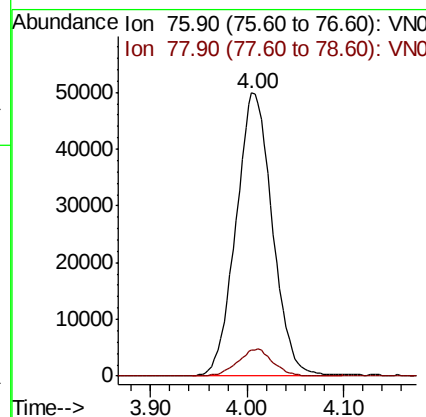
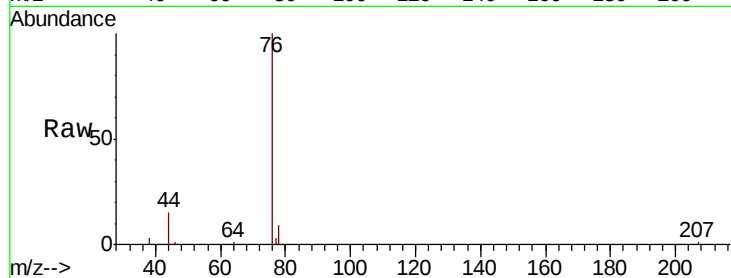




#17
Carbon Disulfide
Concen: 18.399 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.01 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

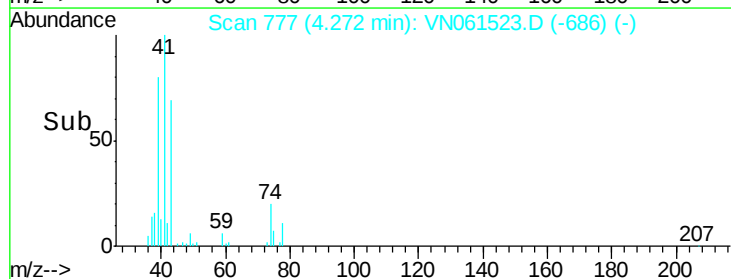
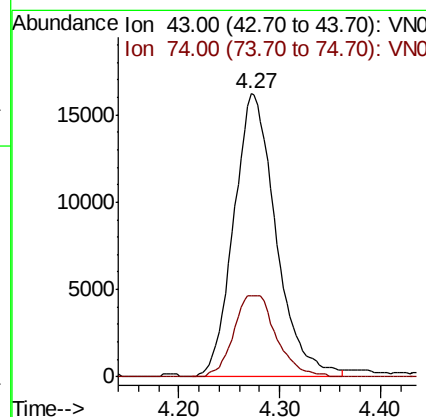
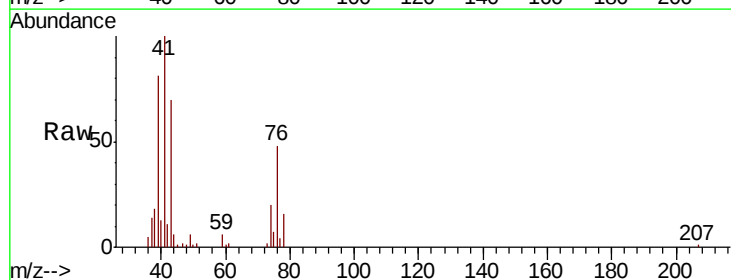
Instrument :
MSVOA_N
ClientSampled :

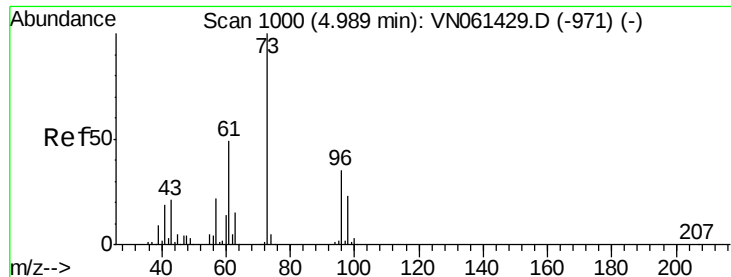
Tot Ion: 76 Resp: 130537
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 15.140 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 43 Resp: 47258
Ion Ratio Lower Upper
43 100
74 28.9 20.8 31.2

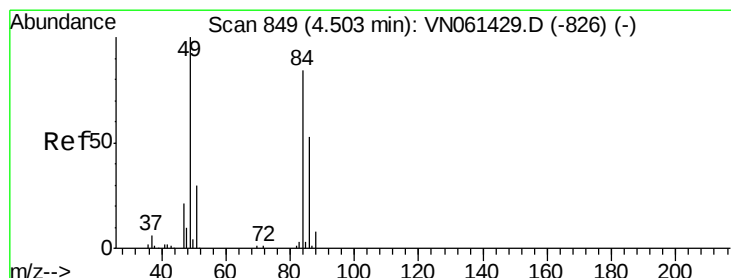
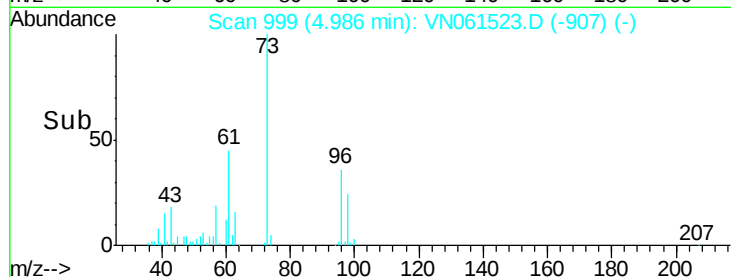
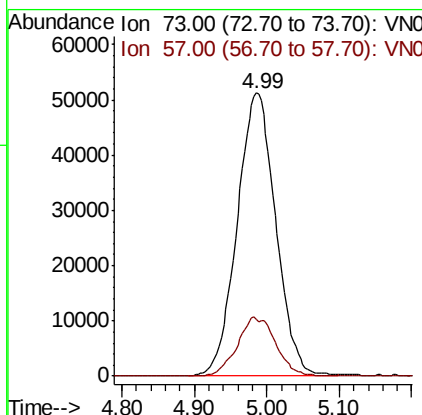
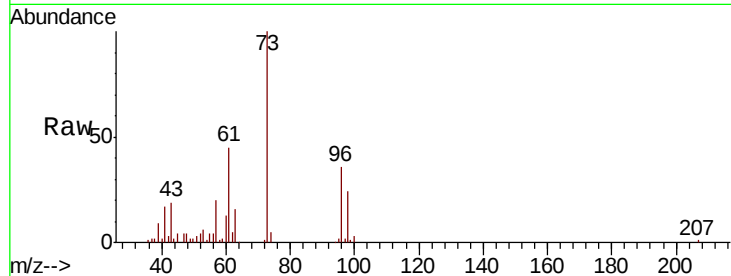




#19
Methvl tert-butvl Ether
Concen: 16.798 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

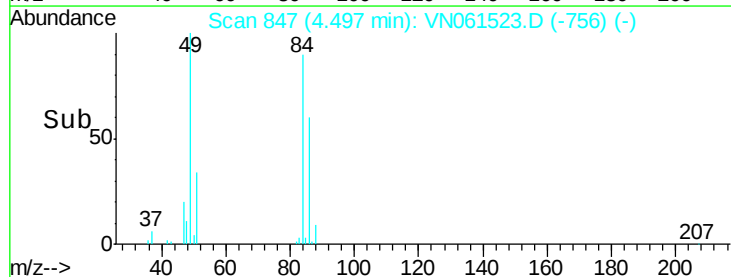
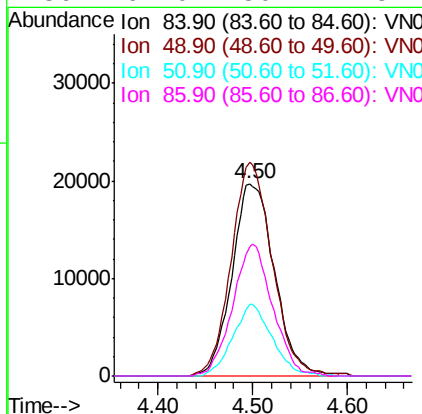
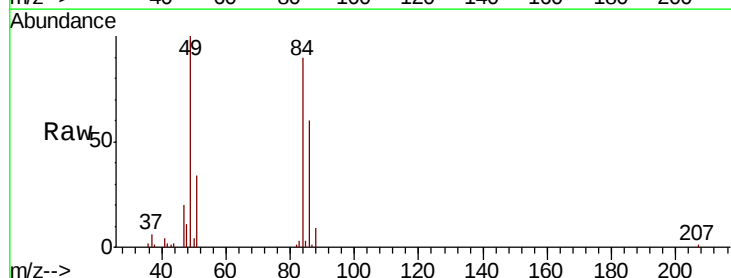
Instrument :
MSVOA_N
ClientSampleId :

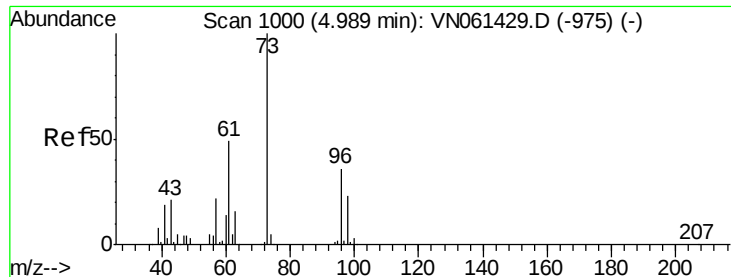
Tot Ion: 73 Resp: 189909
Ion Ratio Lower Upper
73 100
57 19.9 17.4 26.0



#20
Methylene Chloride
Concen: 17.250 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 84 Resp: 61492
Ion Ratio Lower Upper
84 100
49 111.0 95.3 142.9
51 37.4 29.0 43.6
86 67.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.564 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

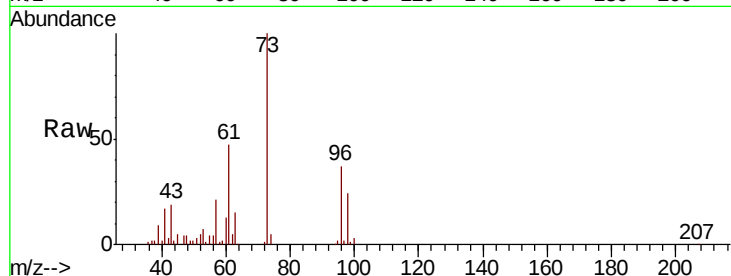
Tot Ion: 96 Resp: 60334

Ion Ratio Lower Upper

96 100

61 125.9 109.8 164.6

98 65.9 52.4 78.6

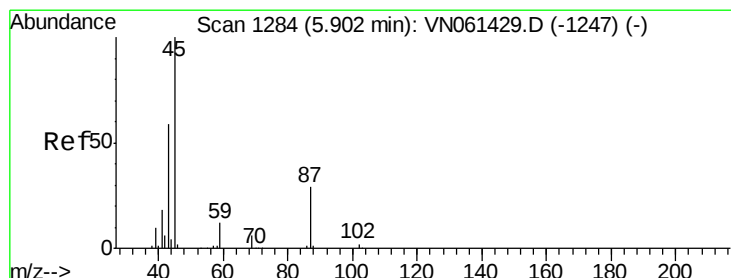
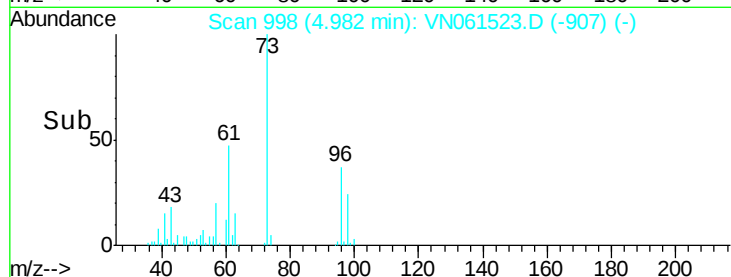
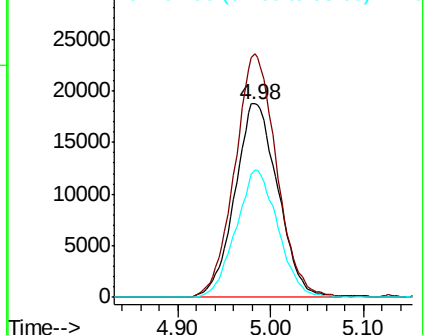


Abundance

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: 15.456 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Tgt Ion: 45 Resp: 168383

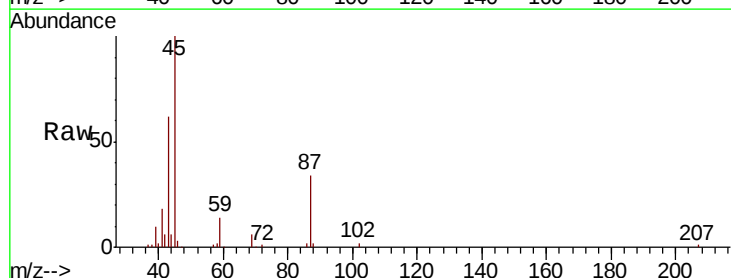
Ion Ratio Lower Upper

45 100

43 60.0 47.9 71.9

87 33.6 24.0 36.0

59 13.2 9.7 14.5



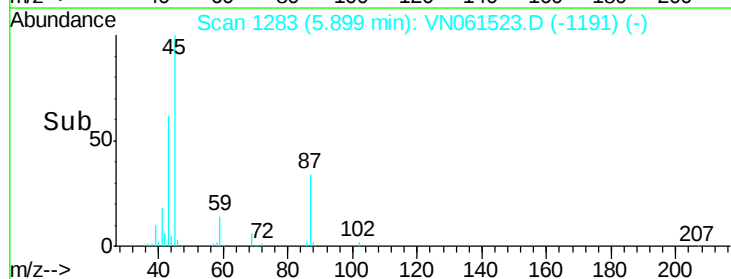
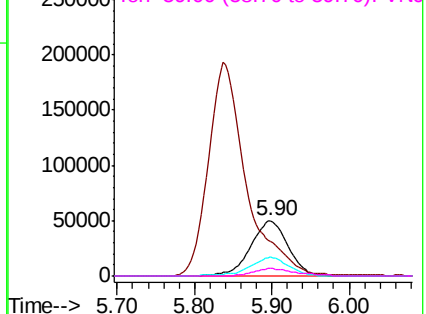
Abundance

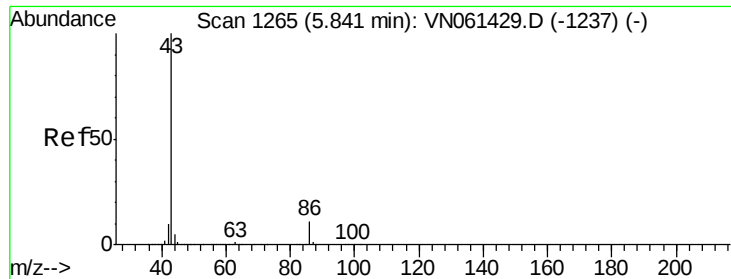
Ion 45.00 (44.70 to 45.70): VN0

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: 76.178 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

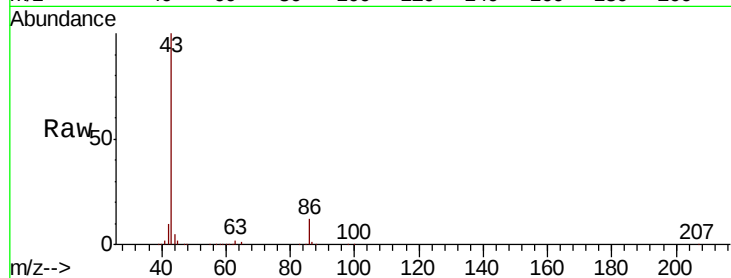
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 659972

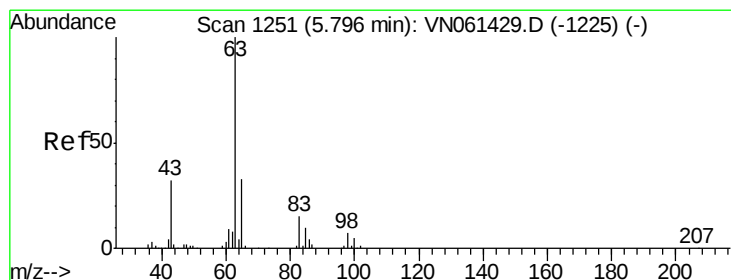
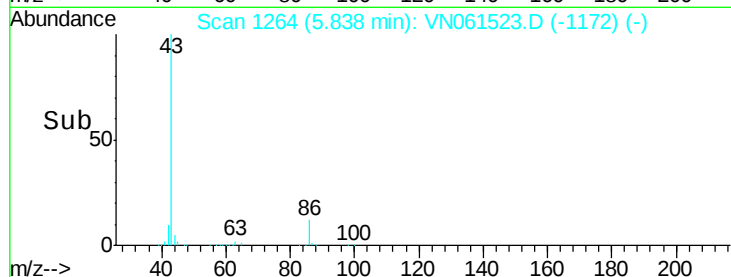
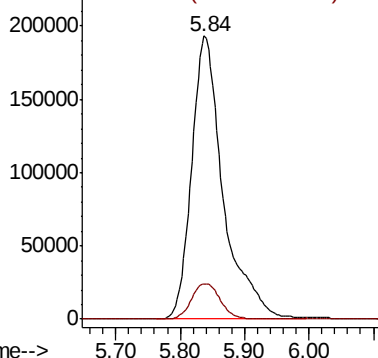
Ion Ratio Lower Upper

43 100

86 12.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 16.204 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

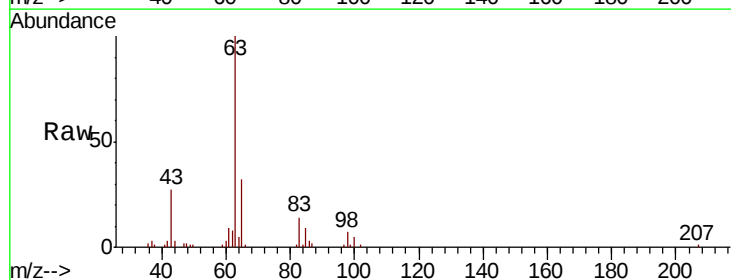
Tgt Ion: 63 Resp: 102968

Ion Ratio Lower Upper

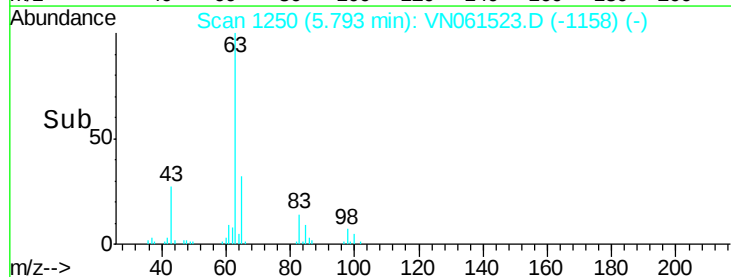
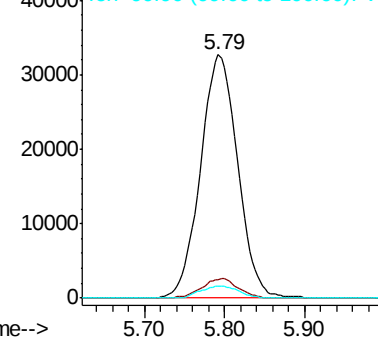
63 100

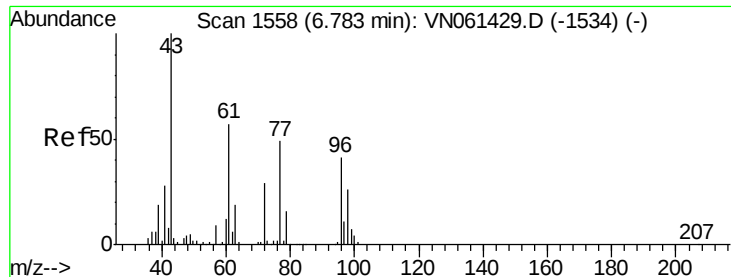
98 7.5 3.5 10.5

100 5.0 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 73.312 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

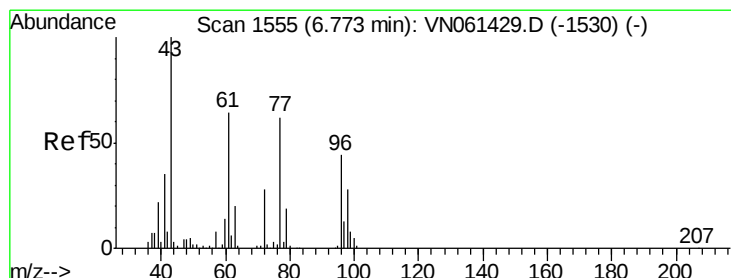
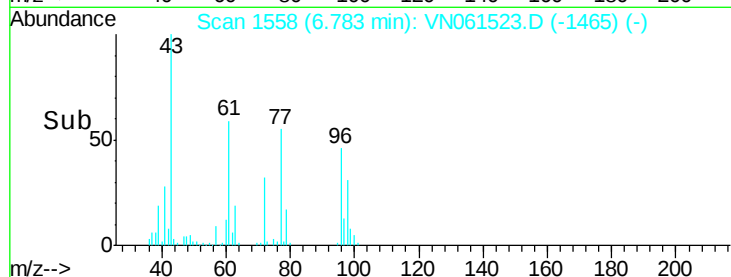
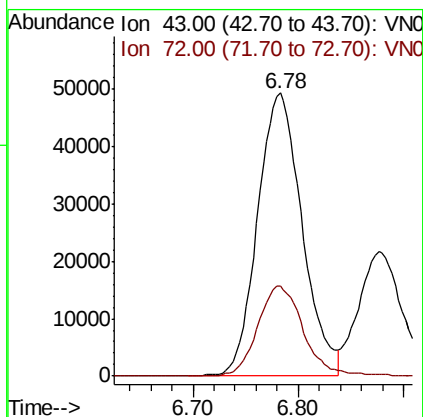
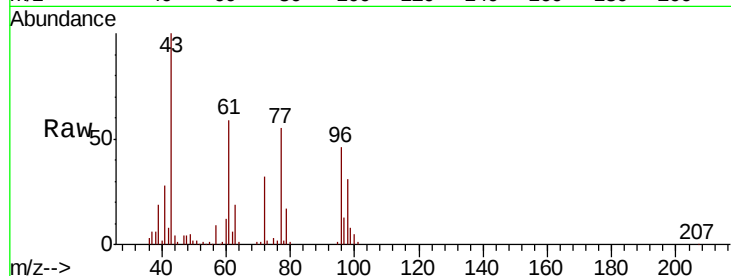
ClientSampleId :

Tot Ion: 43 Resp: 144786

Ion Ratio Lower Upper

43 100

72 31.7 23.0 34.6



#26

2,2-Dichloropropane

Concen: 15.902 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061523.D

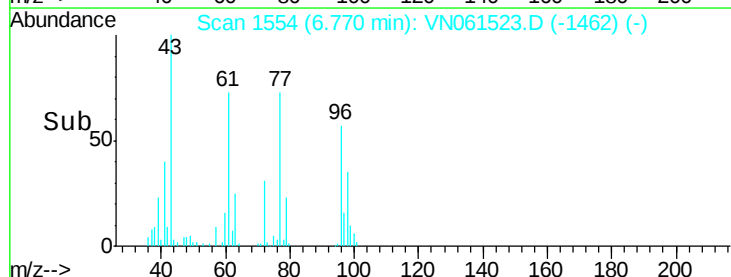
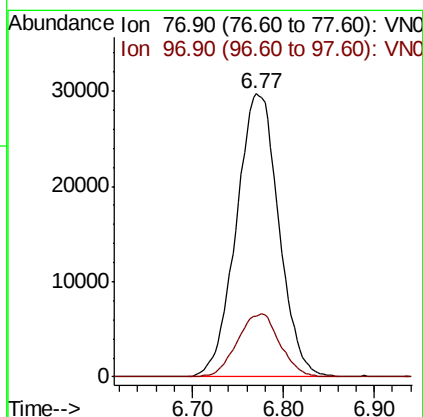
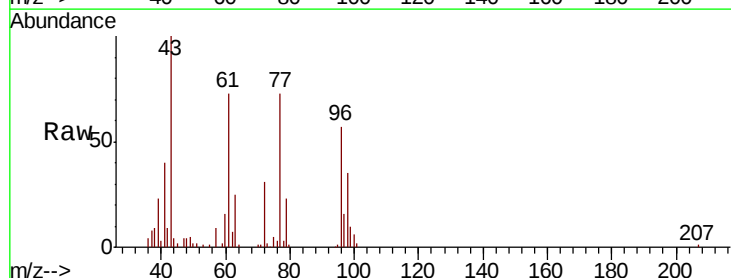
Acq: 21 May 2020 12:21

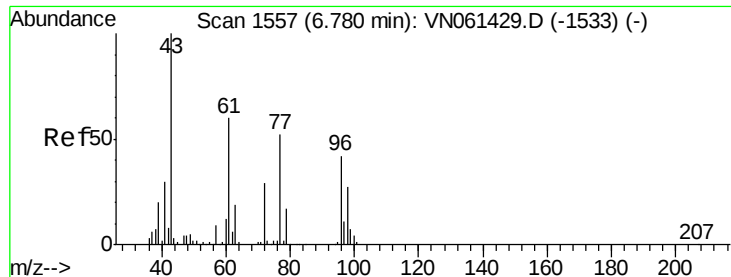
Tgt Ion: 77 Resp: 96330

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 17.656 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :

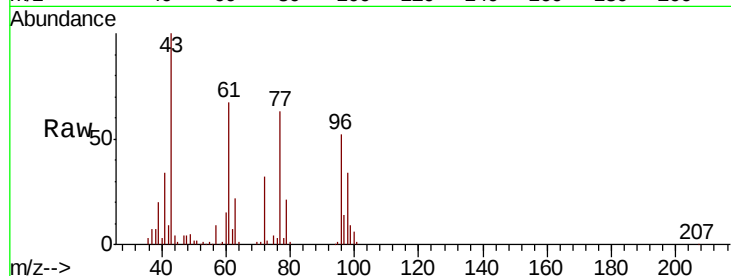
Tot Ion: 96 Resp: 71643

Ion Ratio Lower Upper

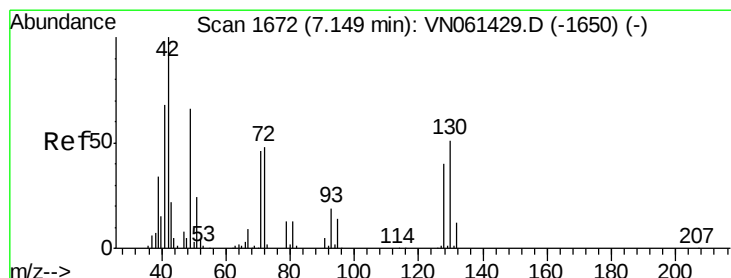
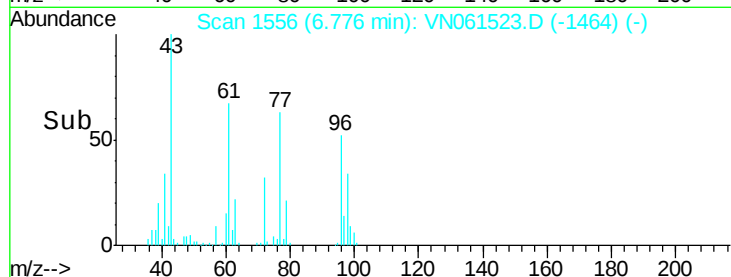
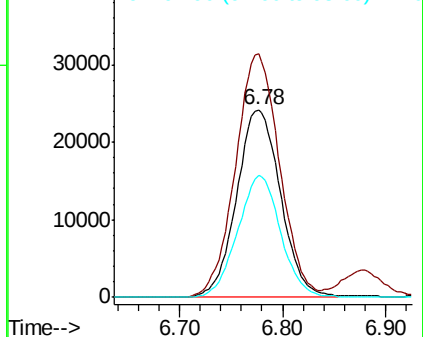
96 100

61 130.2 0.0 294.2

98 63.4 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 16.987 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

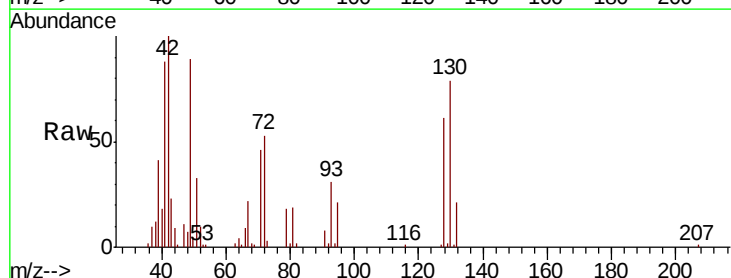
Tgt Ion: 49 Resp: 45818

Ion Ratio Lower Upper

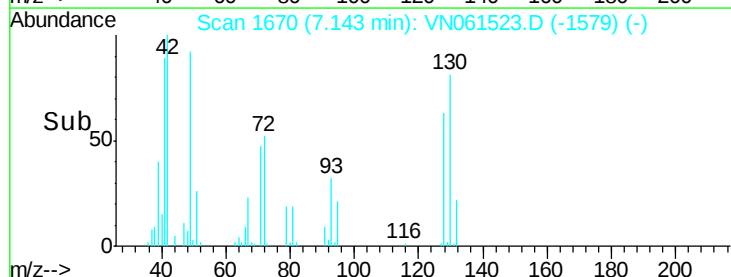
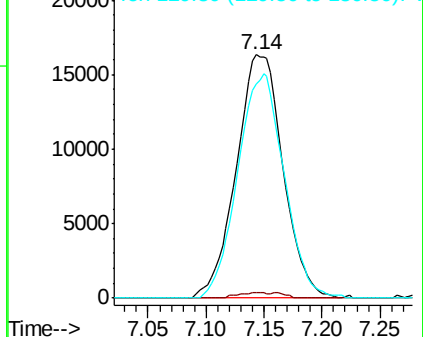
49 100

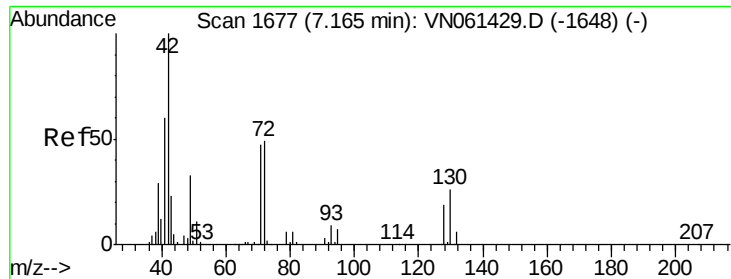
129 1.3 0.0 4.6

130 91.5 62.2 93.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

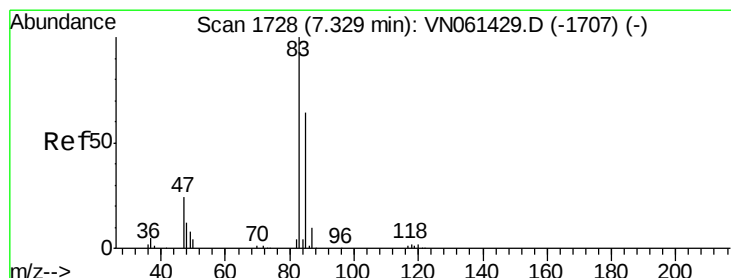
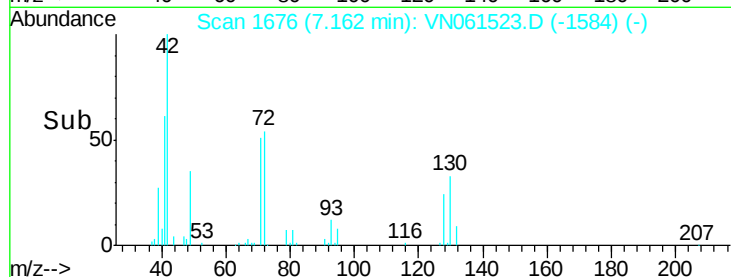
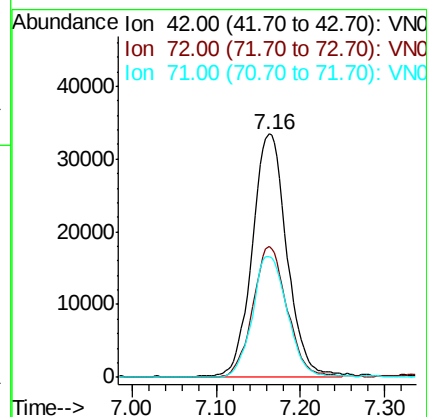
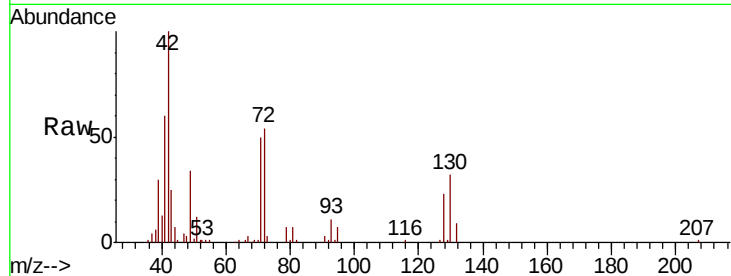




#29
Tetrahydrofuran
Concen: 73.347 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

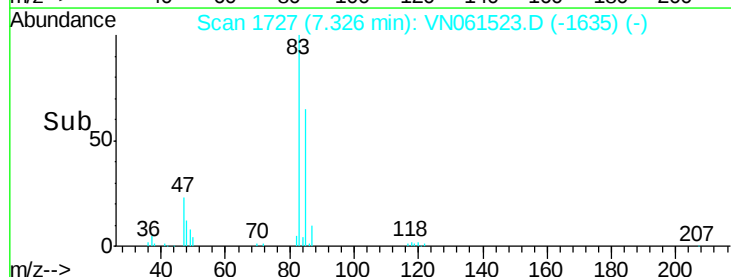
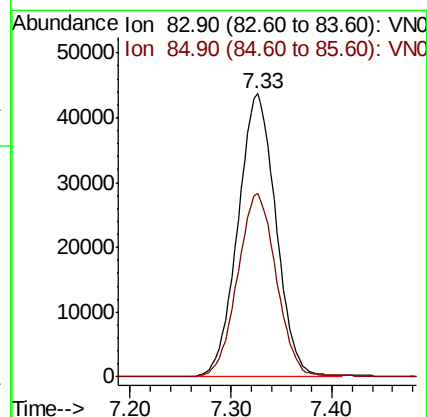
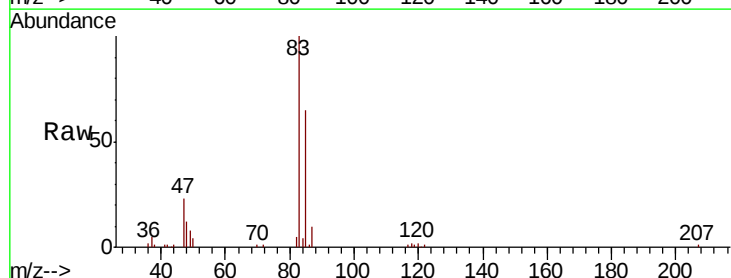
Instrument :
MSVOA_N
ClientSampled :

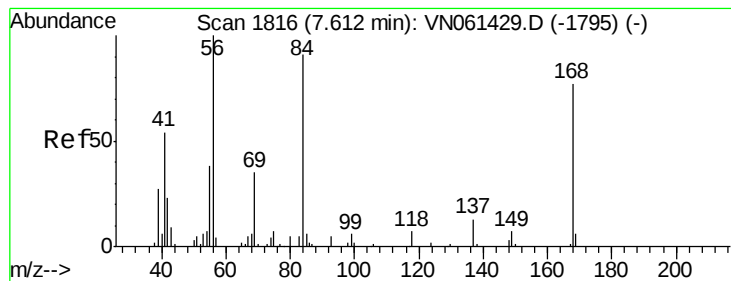
Tot Ion: 42 Resp: 95934
Ion Ratio Lower Upper
42 100
72 53.2 39.0 58.6
71 49.6 36.9 55.3



#30
Chloroform
Concen: 17.217 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 83 Resp: 114272
Ion Ratio Lower Upper
83 100
85 64.8 51.0 76.4





#31

Cyclohexane

Concen: 13.995 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :
MSVOA_N
ClientSampled :

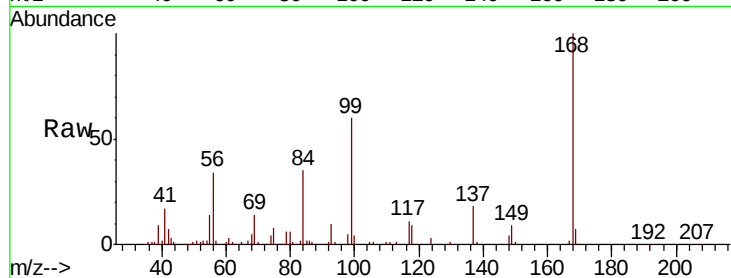
Tot Ion: 56 Resp: 90268

Ion Ratio Lower Upper

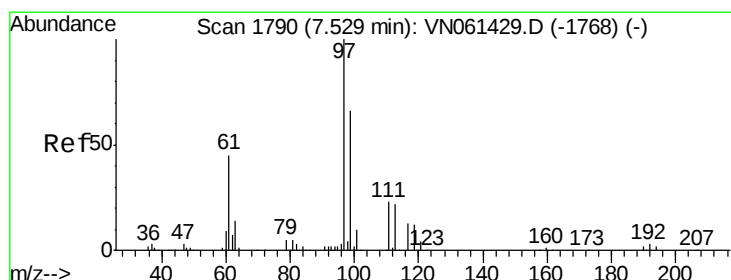
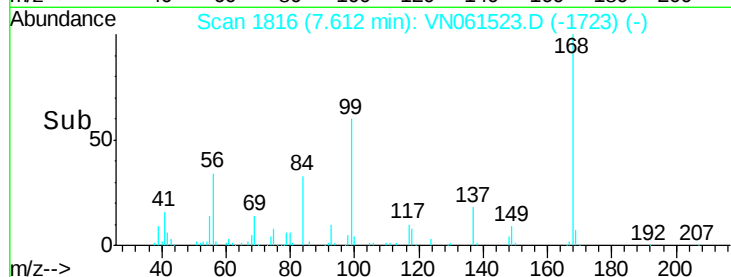
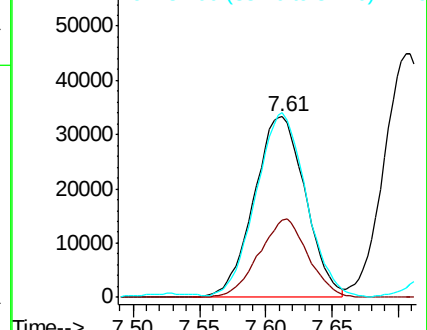
56 100

69 42.7 27.8 41.6#

84 100.6 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: 16.841 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

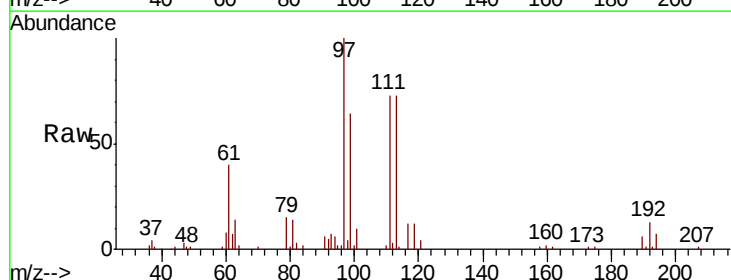
Tgt Ion: 97 Resp: 102138

Ion Ratio Lower Upper

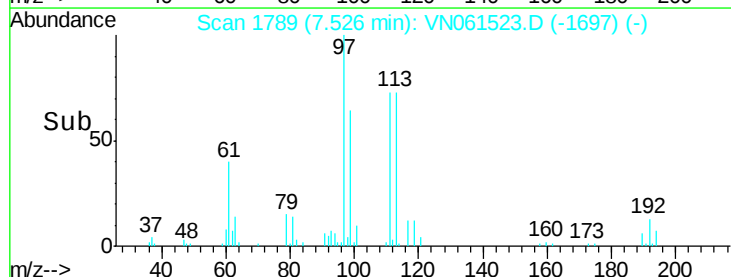
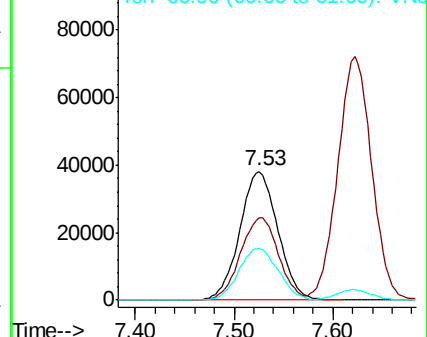
97 100

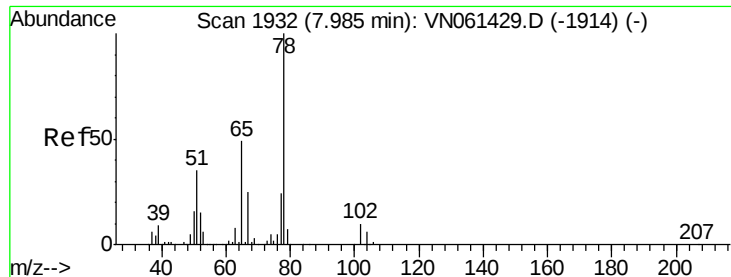
99 63.9 51.5 77.3

61 41.4 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

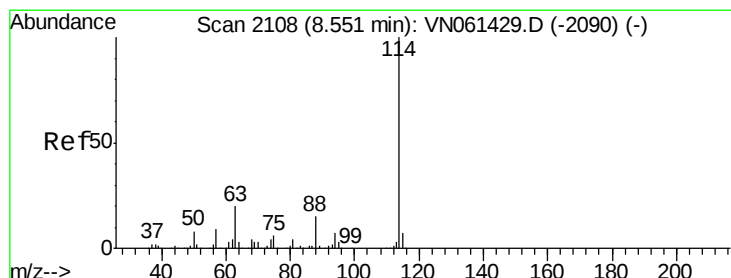
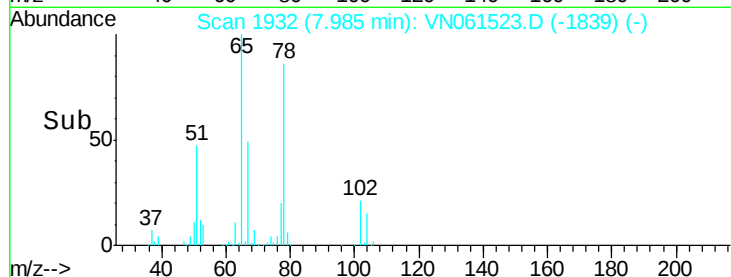
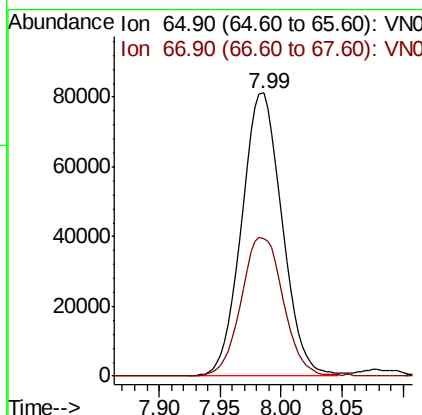
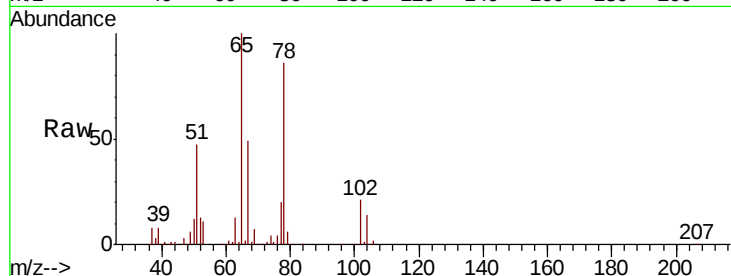




#33
 1,2-Dichloroethane-d4
 Concen: 42.989 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

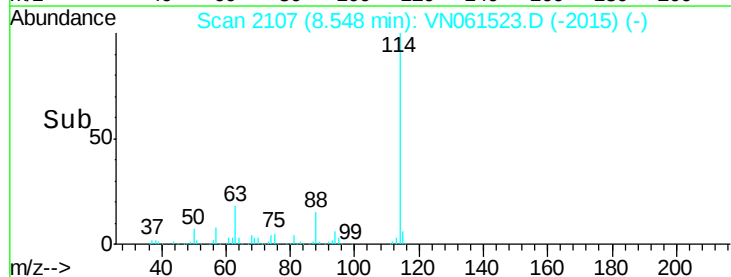
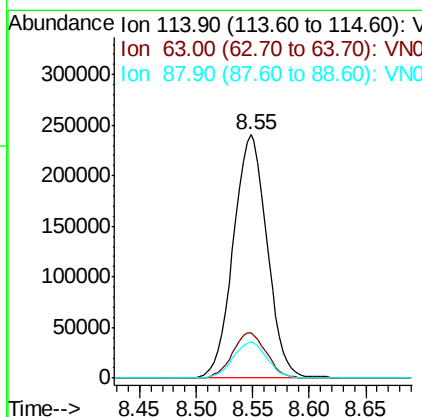
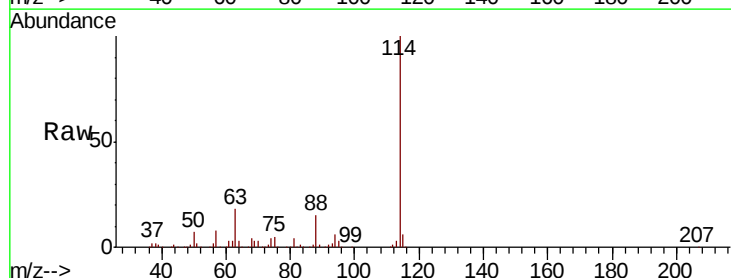
Instrument :
 MSVOA_N
 ClientSampleId :

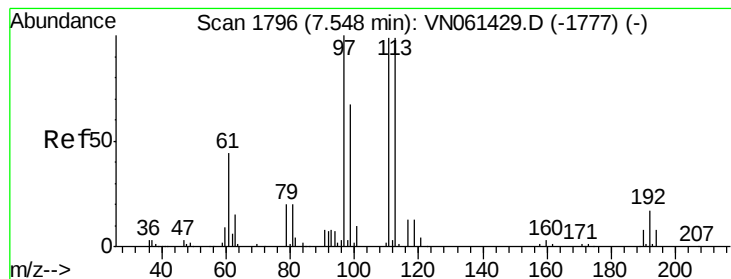
Tot Ion: 65 Resp: 186466
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion: 114 Resp: 499925
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.8
 88 14.8 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.812 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

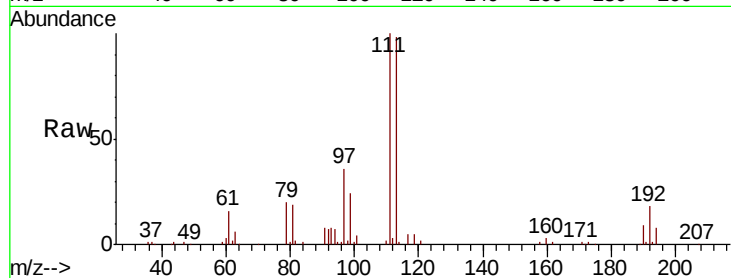
Tot Ion:113 Resp: 138314

Ion Ratio Lower Upper

113 100

111 103.0 80.6 121.0

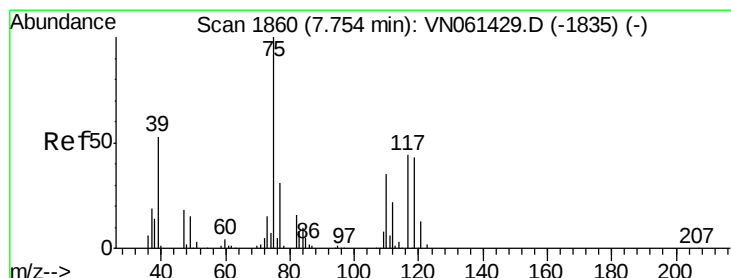
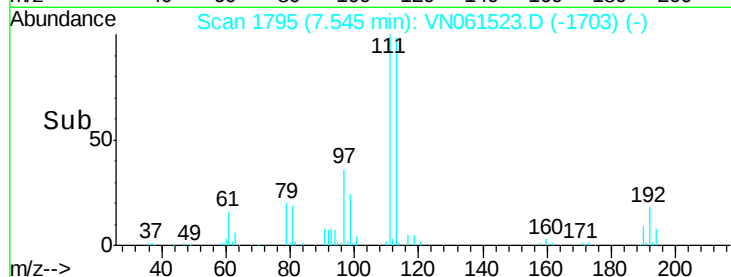
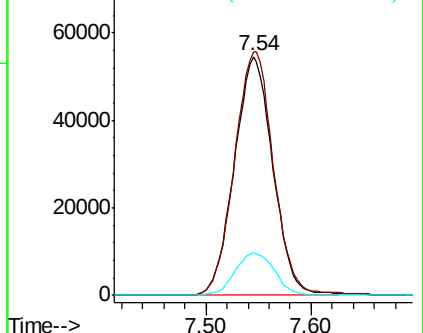
192 18.2 13.2 19.8



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: 17.786 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

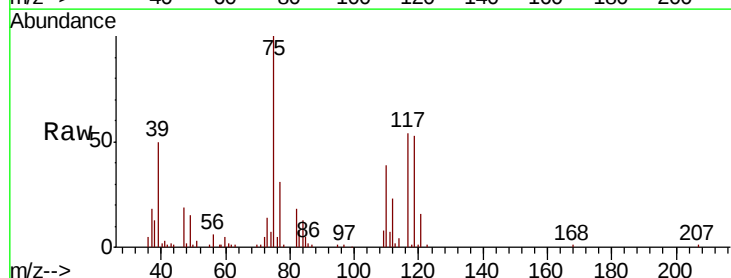
Tgt Ion: 75 Resp: 83140

Ion Ratio Lower Upper

75 100

110 37.1 17.3 51.9

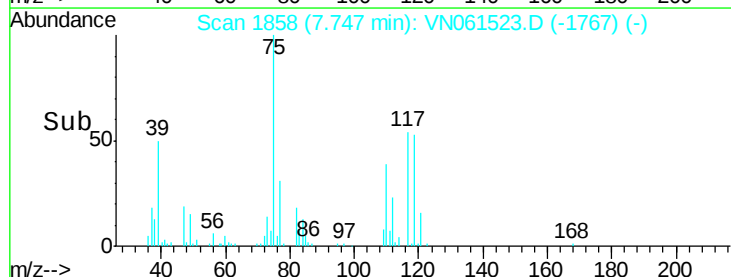
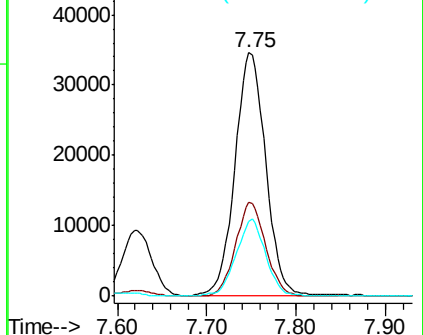
77 30.2 24.9 37.3

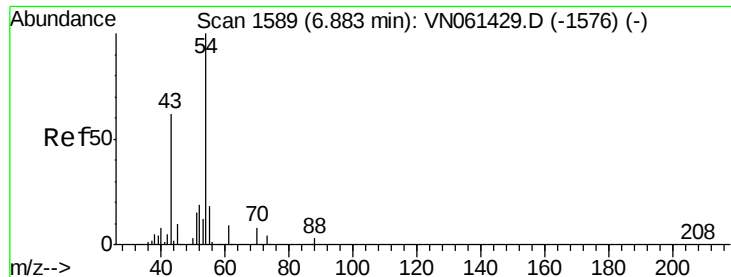


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

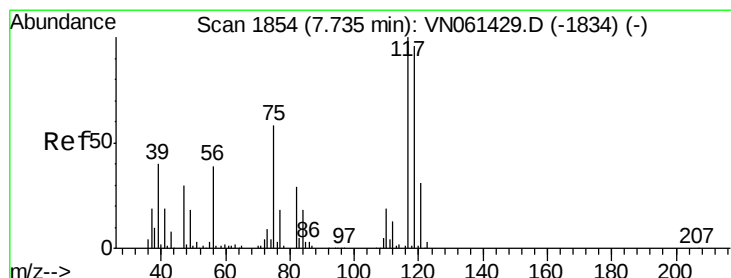
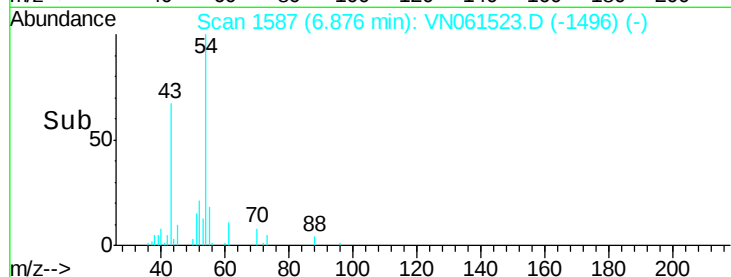
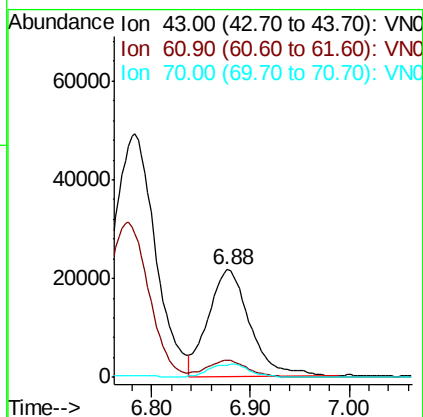
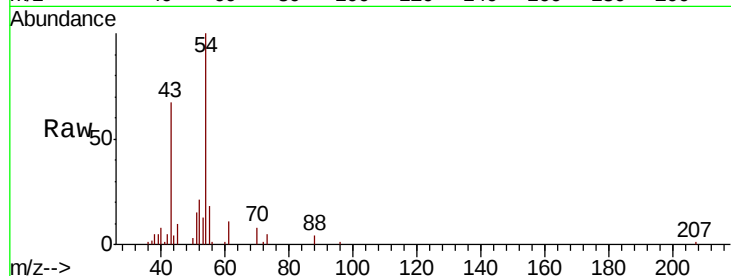




#37
Ethyl Acetate
Concen: 14.863 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

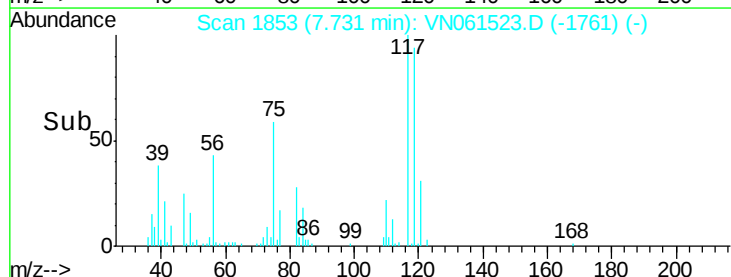
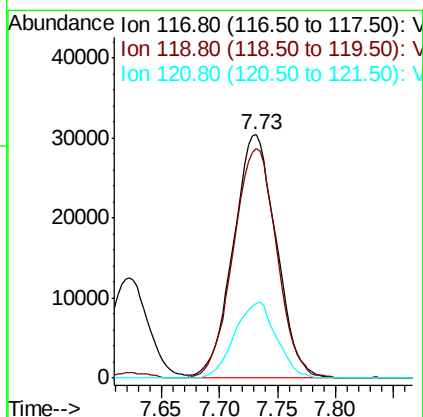
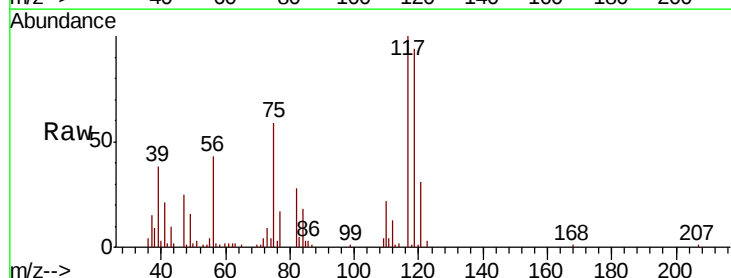
Instrument :
MSVOA_N
ClientSampleId :

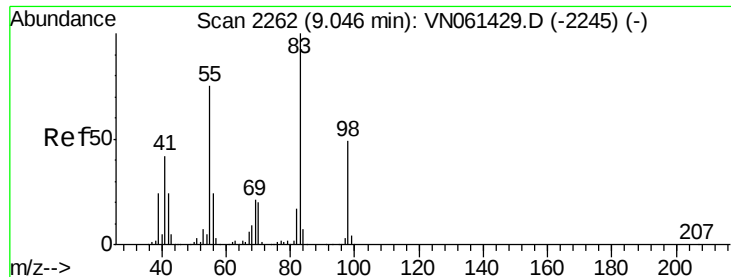
Tot Ion: 43 Resp: 63010
Ion Ratio Lower Upper
43 100
61 15.6 11.7 17.5
70 12.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.260 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 117 Resp: 78595
Ion Ratio Lower Upper
117 100
119 94.4 77.0 115.6
121 30.8 24.7 37.1

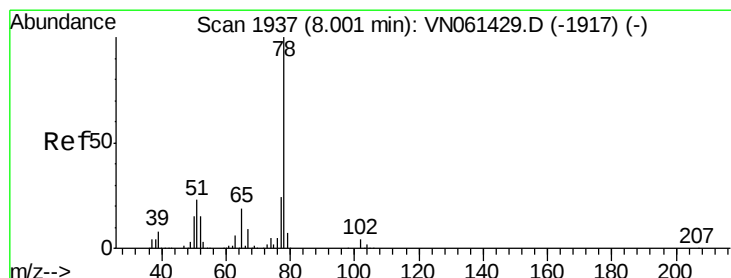
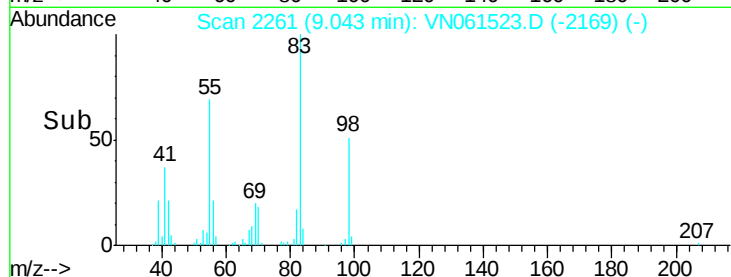
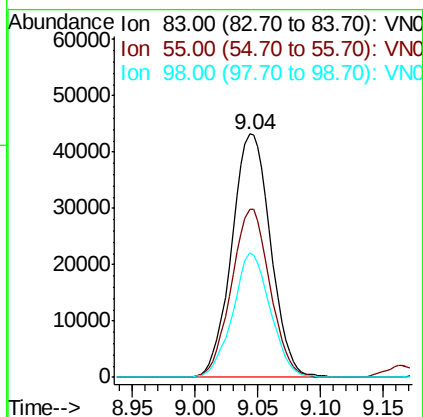
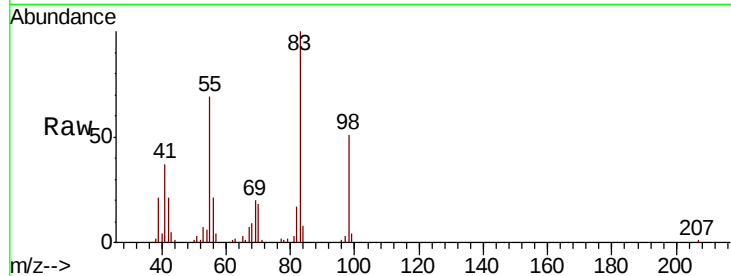




#39
Methvlcvclohexane
Concen: 16.323 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

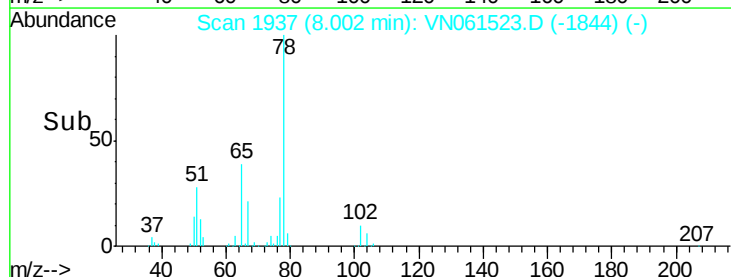
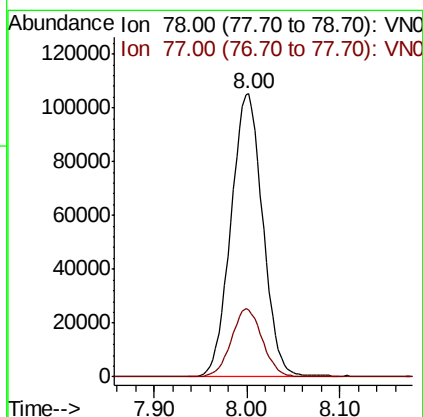
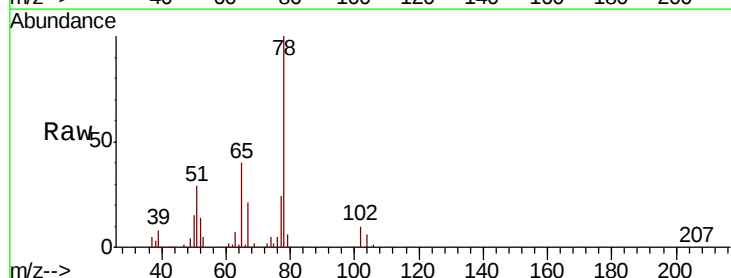
Instrument :
MSVOA_N
ClientSampleId :

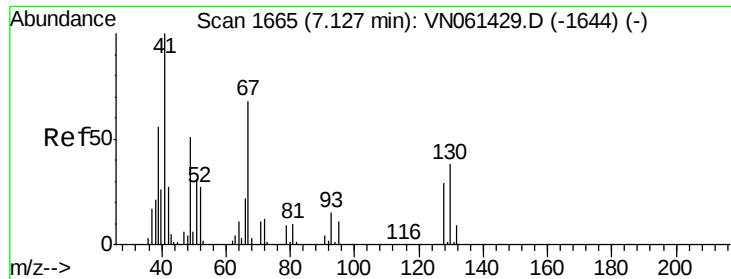
Tot Ion	83	Resp	93195
Ion Ratio	Lower	Upper	
83	100		
55	69.0	59.7	89.5
98	51.2	38.9	58.3



#40
Benzene
Concen: 17.823 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion	78	Resp	251071
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.1	28.7

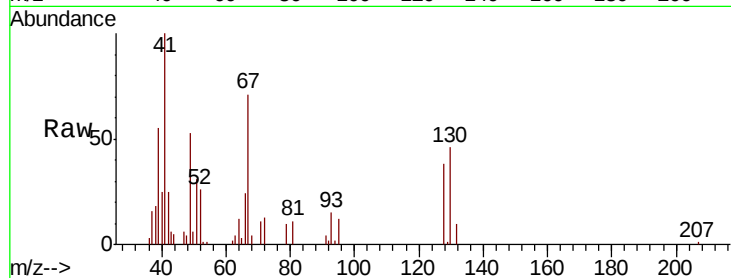




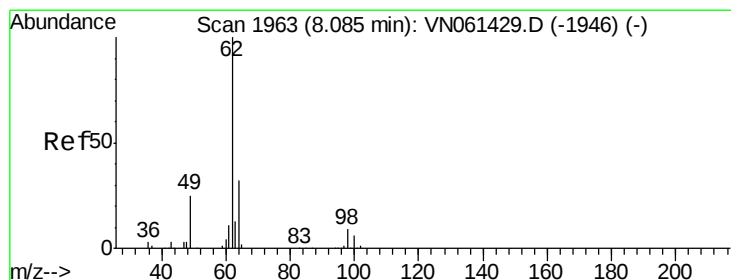
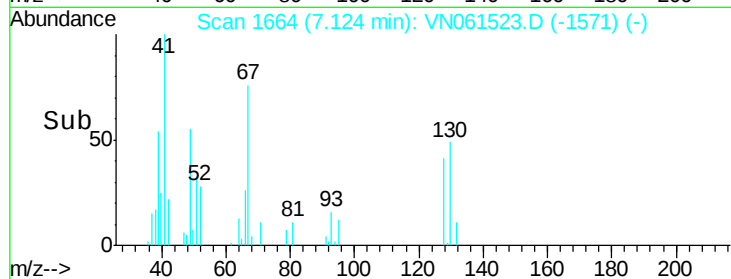
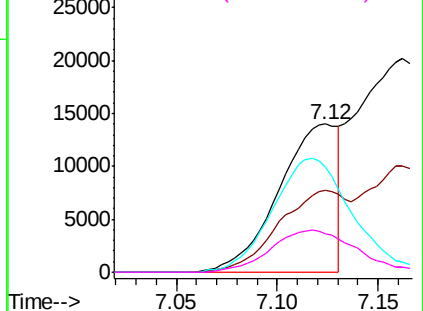
#41
Methacrylonitrile
Concen: 15.919 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 28504
Ion Ratio Lower Upper
41 100
39 64.3 48.3 72.5
67 103.3 74.2 111.4
52 41.3 30.8 46.2

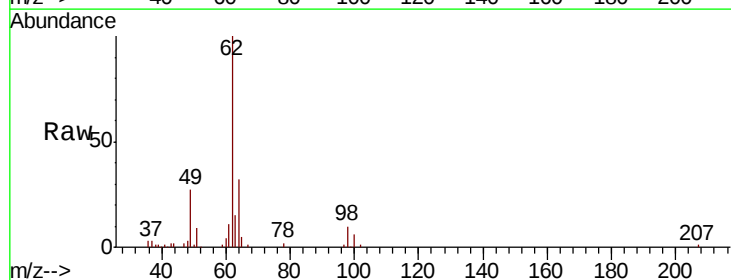


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

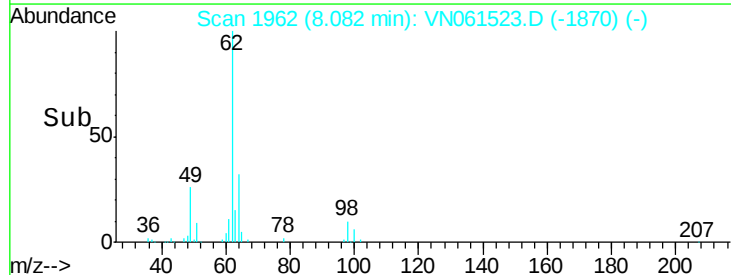
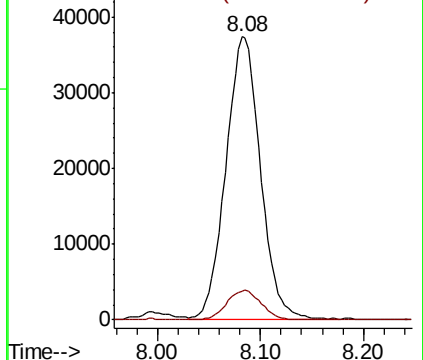


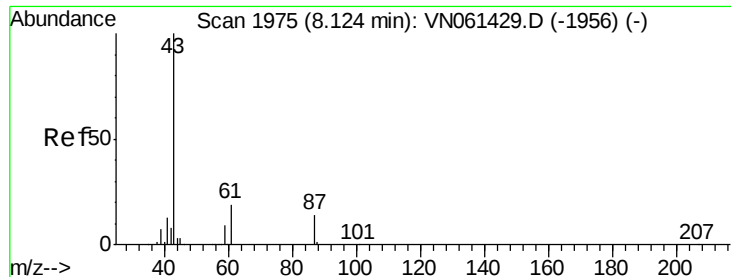
#42
1,2-Dichloroethane
Concen: 17.278 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 62 Resp: 87692
Ion Ratio Lower Upper
62 100
98 10.3 0.0 18.4



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

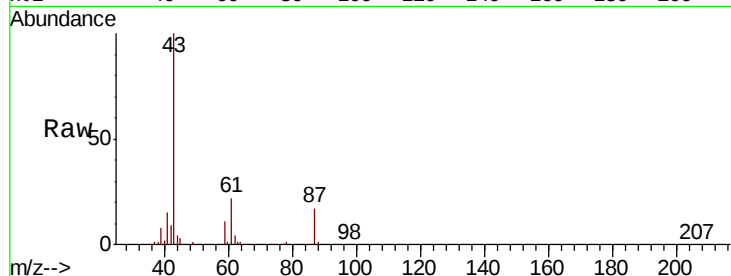




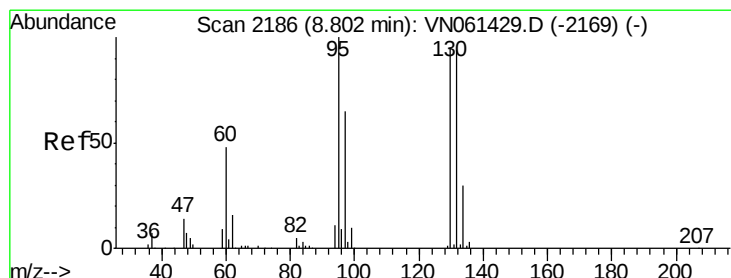
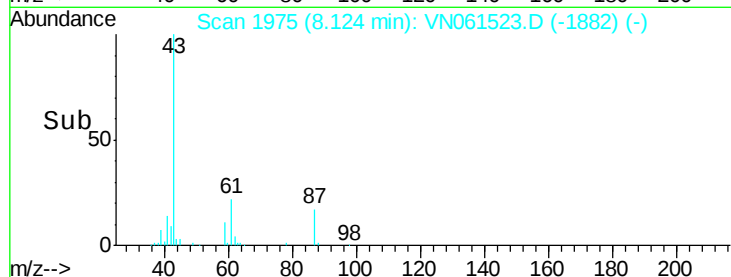
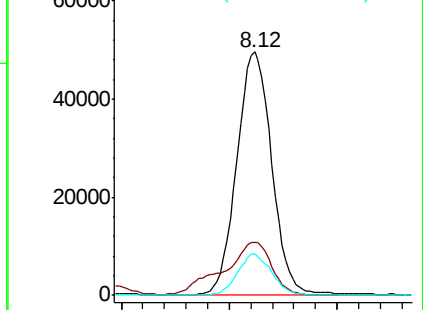
#43
Isopropyl Acetate
Concen: 15.118 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 111781
Ion Ratio Lower Upper
43 100
61 30.2 23.0 34.4
87 16.4 11.6 17.4

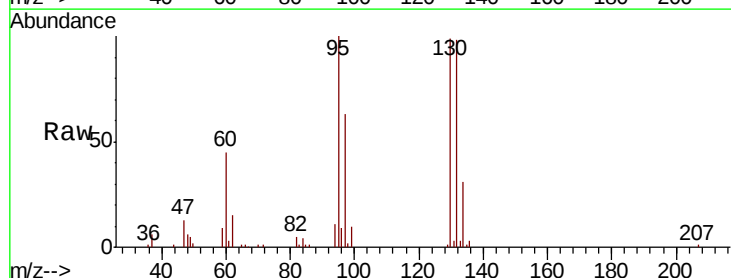


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

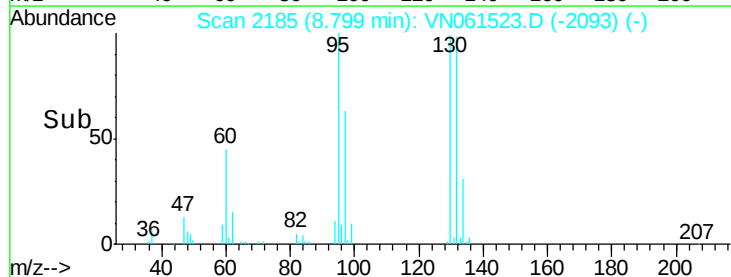
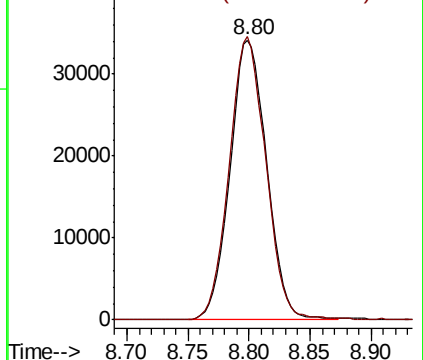


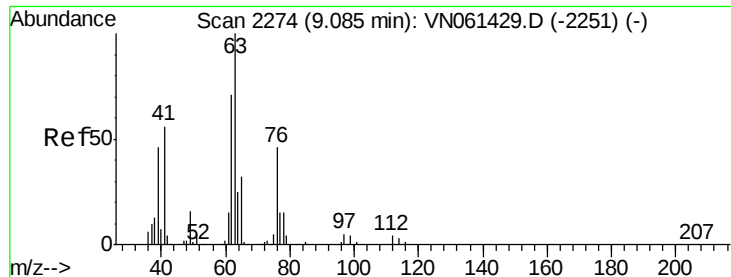
#44
Trichloroethene
Concen: 19.317 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion:130 Resp: 71302
Ion Ratio Lower Upper
130 100
95 101.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 17.163 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

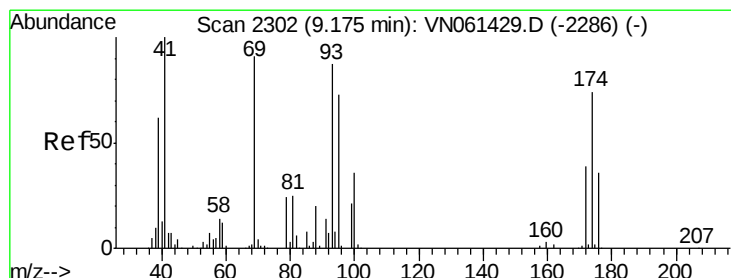
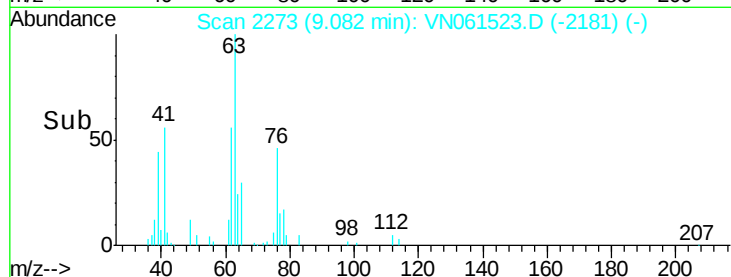
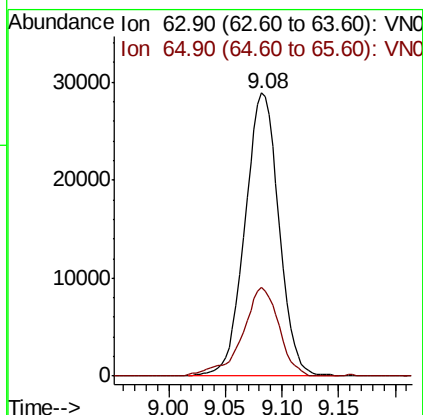
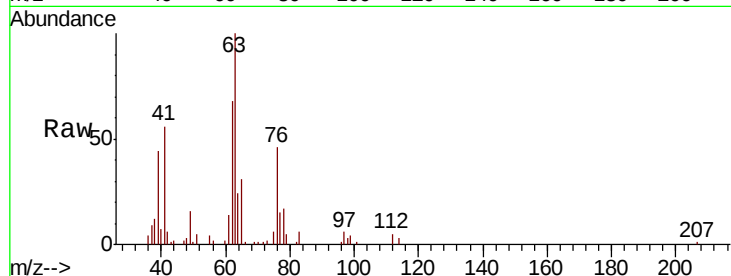
ClientSampleId :

Tot Ion: 63 Resp: 60519

Ion Ratio Lower Upper

63 100

65 31.3 25.2 37.8



#46

Dibromomethane

Concen: 18.162 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

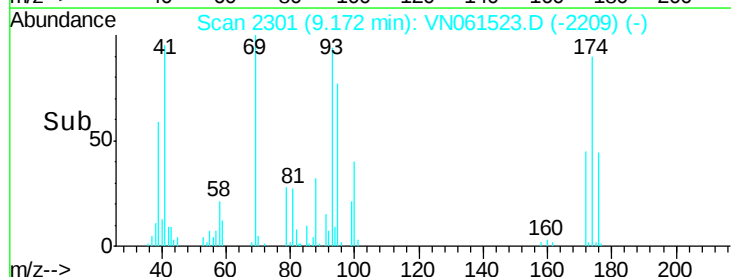
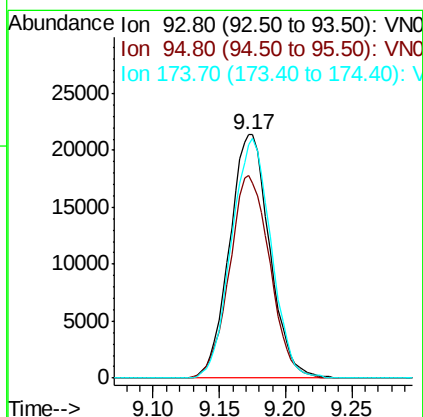
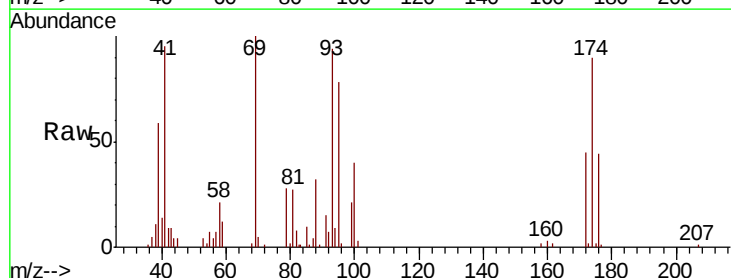
Tgt Ion: 93 Resp: 44894

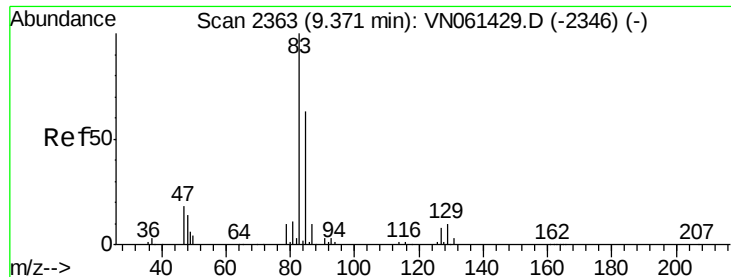
Ion Ratio Lower Upper

93 100

95 83.6 65.6 98.4

174 97.3 68.0 102.0





#47

Bromodichloromethane

Concen: 17.539 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

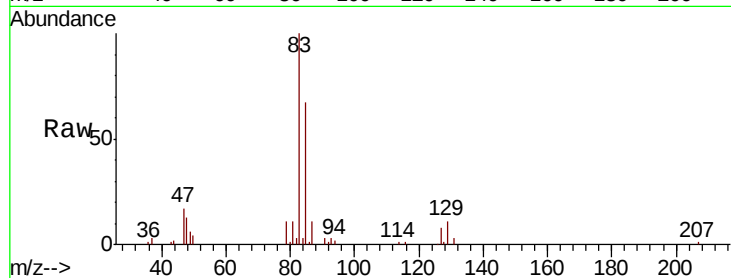
Tot Ion: 83 Resp: 91343

Ion Ratio Lower Upper

83 100

85 66.5 50.6 76.0

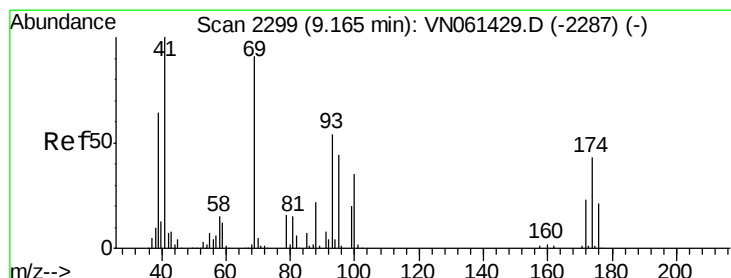
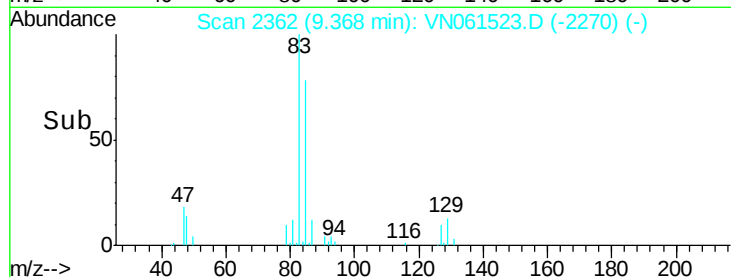
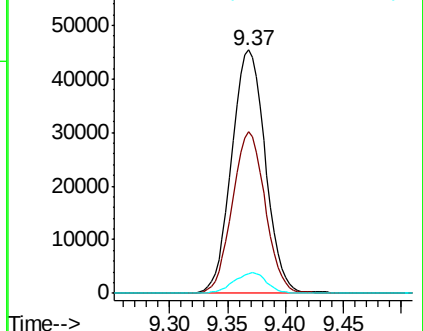
127 8.3 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061523.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061523.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061523.D (-2270) (-)



#48

Methyl methacrylate

Concen: 14.410 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

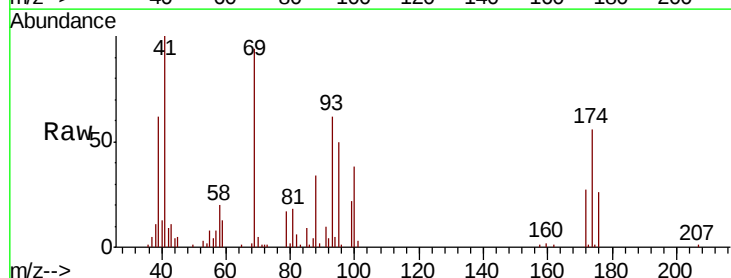
Tgt Ion: 41 Resp: 49218

Ion Ratio Lower Upper

41 100

69 102.6 75.3 112.9

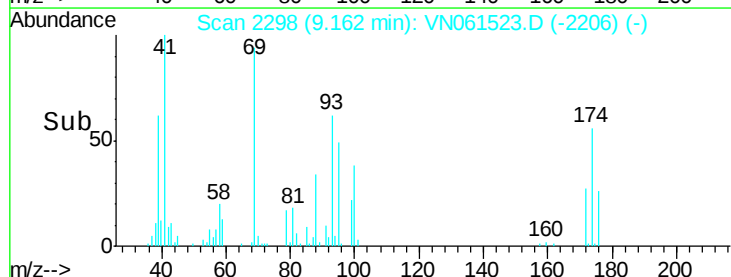
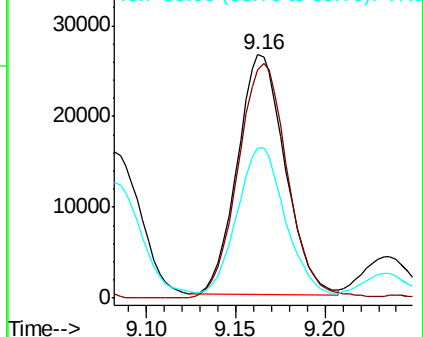
39 65.4 52.6 79.0

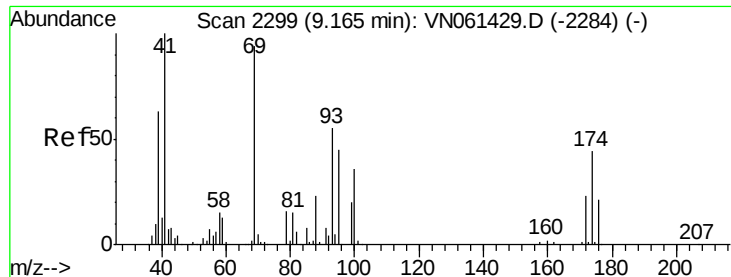


Abundance Ion 41.00 (40.70 to 41.70): VN061523.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061523.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061523.D (-2206) (-)

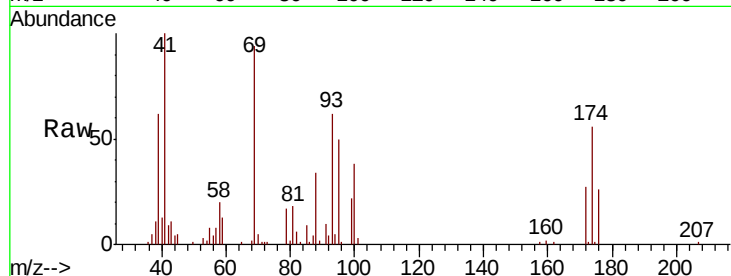




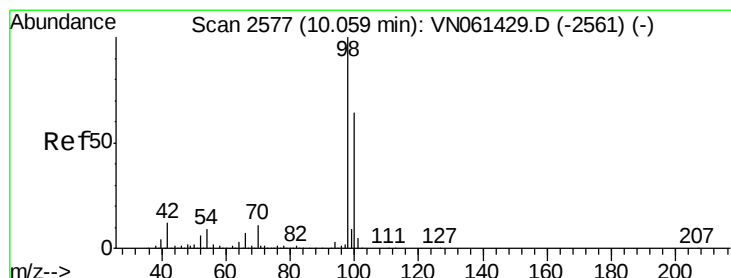
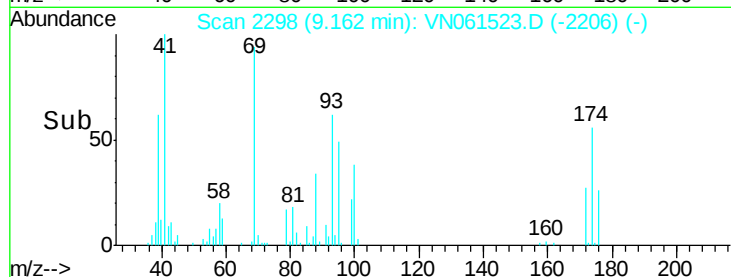
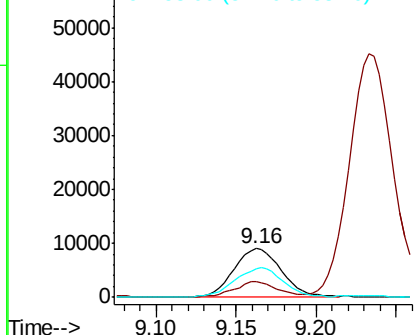
#49
 1,4-Dioxane
 Concen: 498.029 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 18572
 Ion Ratio Lower Upper
 88 100
 43 29.3 26.3 39.5
 58 61.9 54.1 81.1

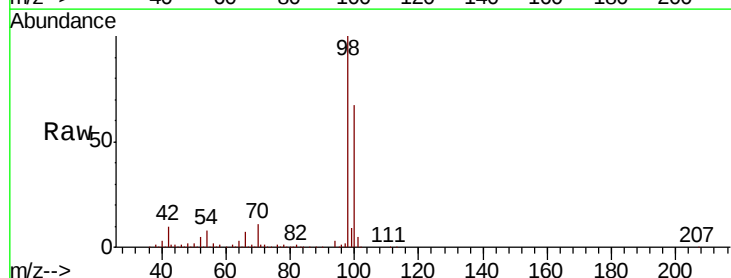


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

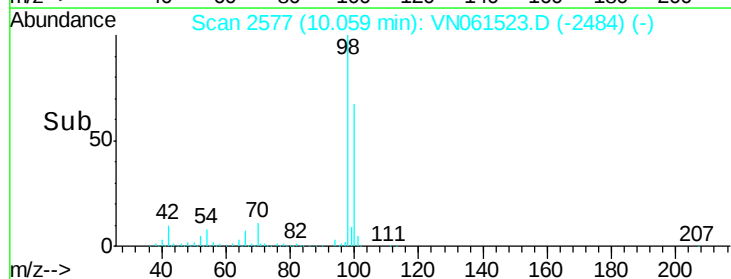
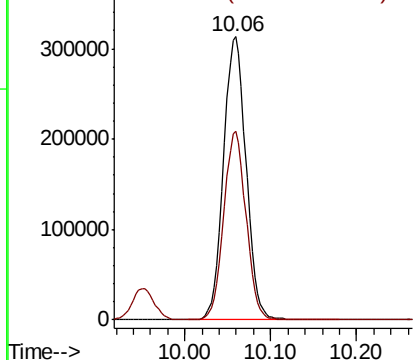


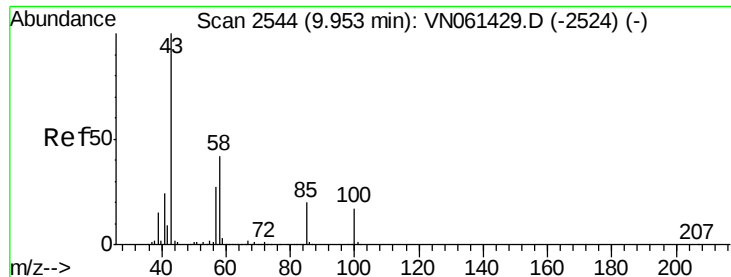
#50
 Toluene-d8
 Concen: 47.159 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion: 98 Resp: 572857
 Ion Ratio Lower Upper
 98 100
 100 65.7 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: 77.858 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

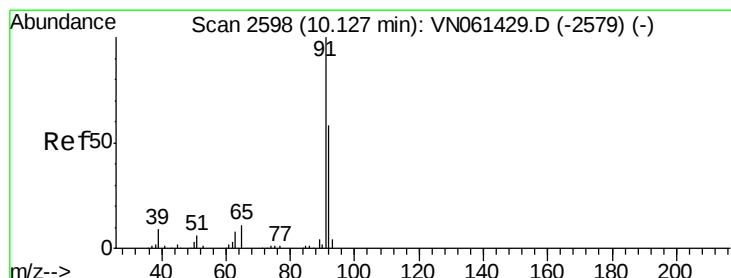
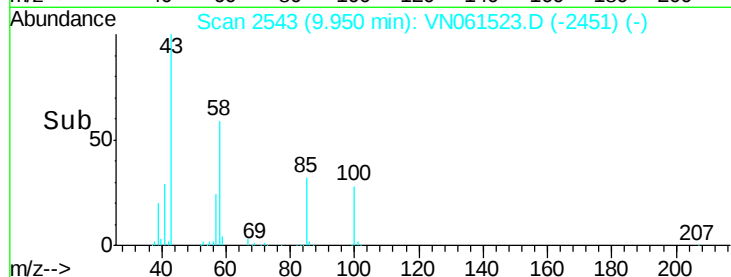
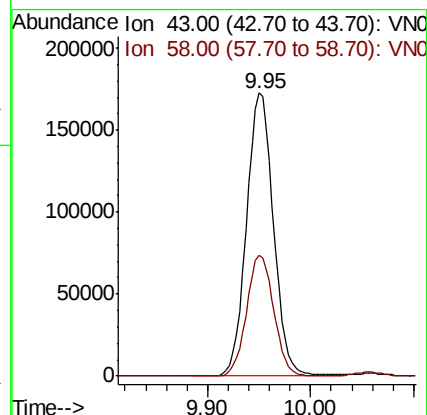
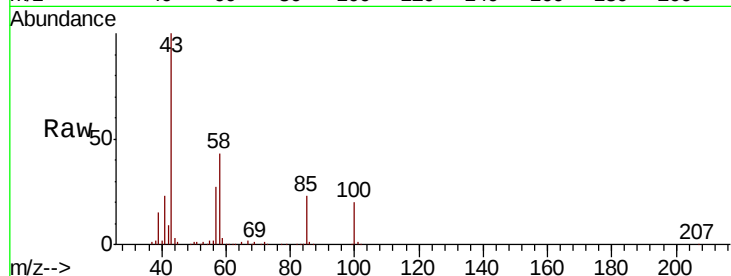
ClientSampled :

Tot Ion: 43 Resp: 313597

Ion Ratio Lower Upper

43 100

58 43.0 33.4 50.2



#52

Toluene

Concen: 18.222 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061523.D

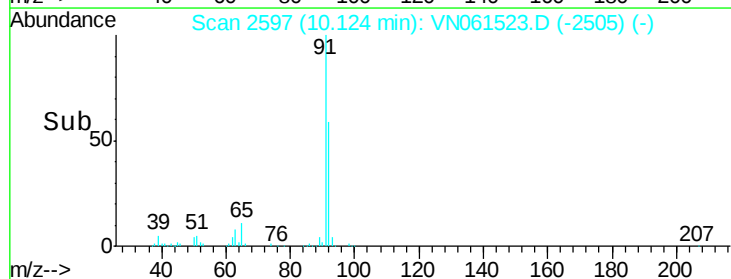
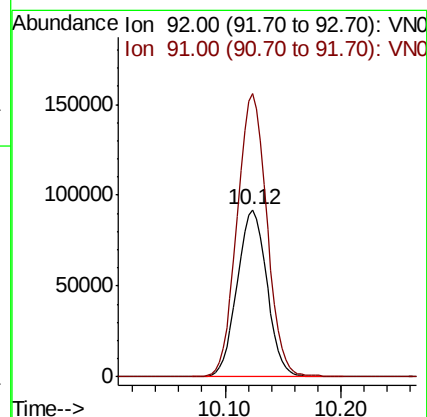
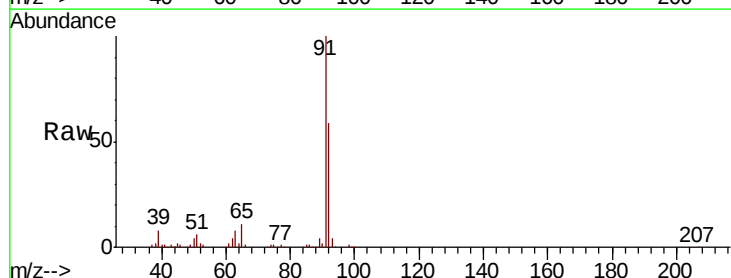
Acq: 21 May 2020 12:21

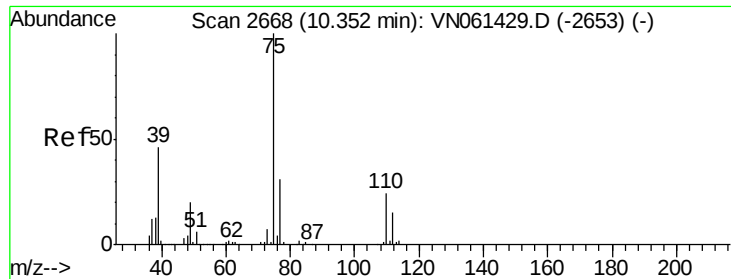
Tgt Ion: 92 Resp: 164804

Ion Ratio Lower Upper

92 100

91 168.9 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 17.014 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

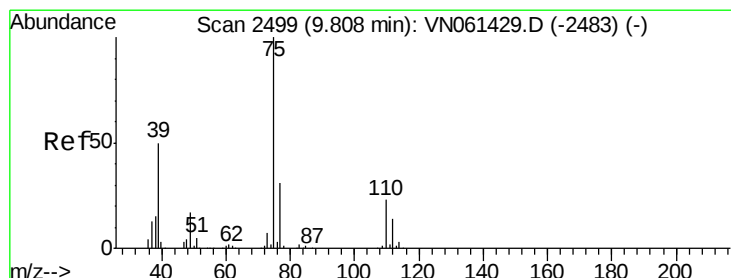
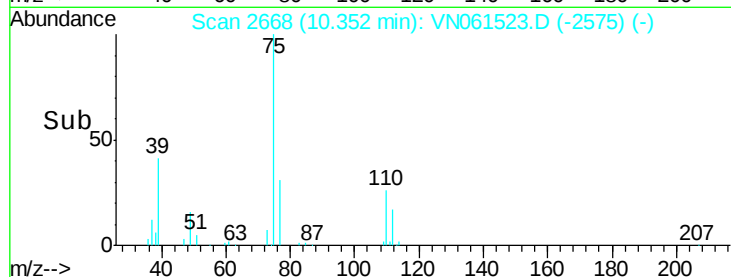
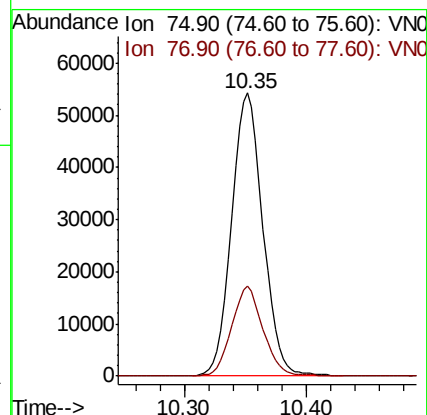
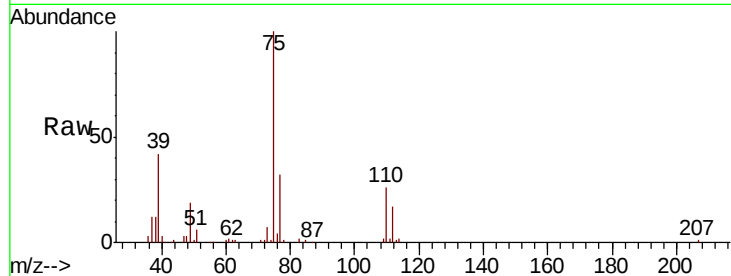
ClientSampleId :

Tot Ion: 75 Resp: 97119

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 17.408 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

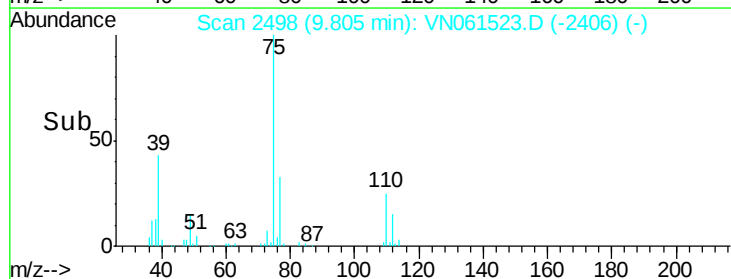
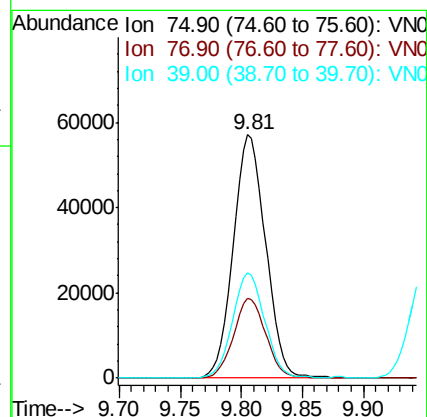
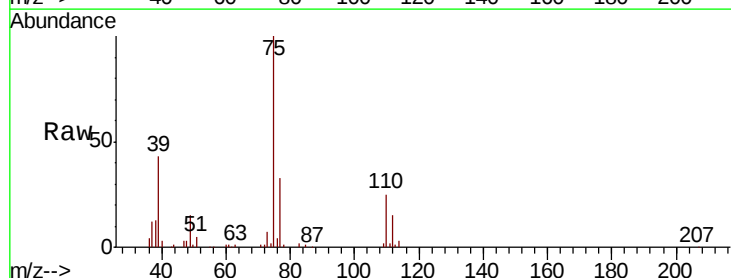
Tgt Ion: 75 Resp: 105632

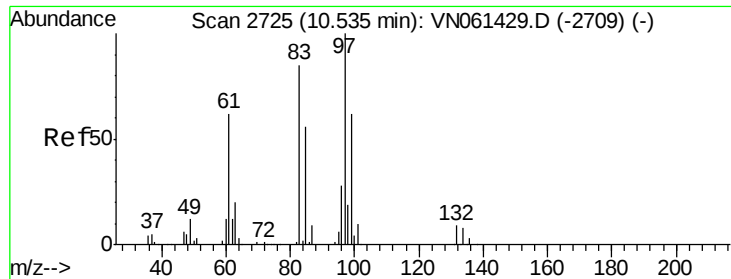
Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

39 43.5 39.8 59.6

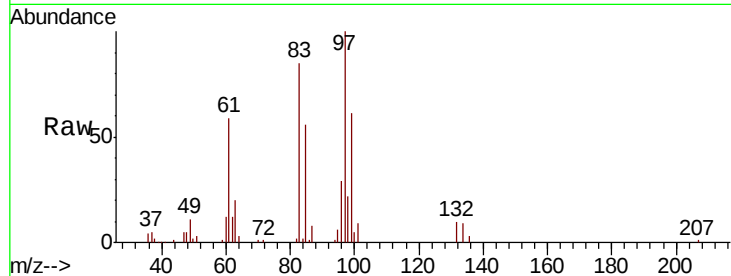




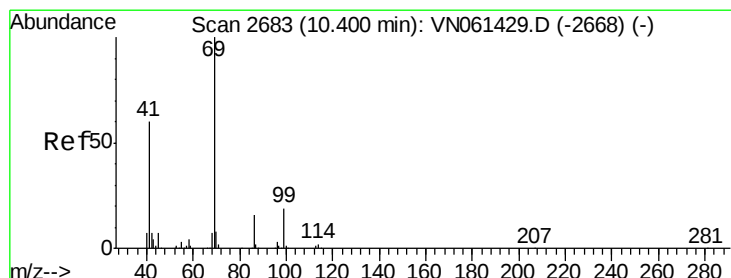
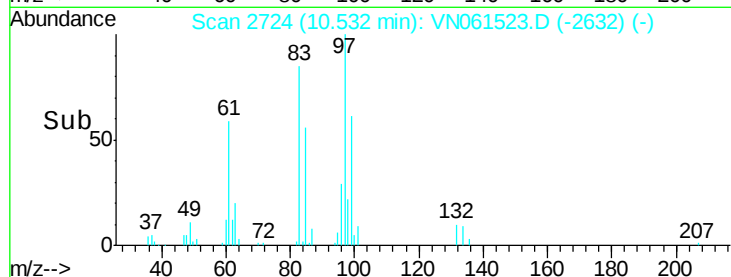
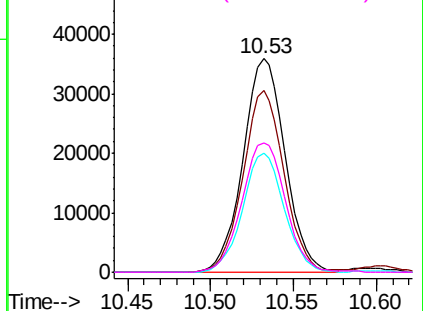
#55
 1,1,2-Trichloroethane
 Concen: 18.620 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 63668
 Ion Ratio Lower Upper
 97 100
 83 84.9 68.2 102.4
 85 55.5 44.6 67.0
 99 60.8 49.5 74.3

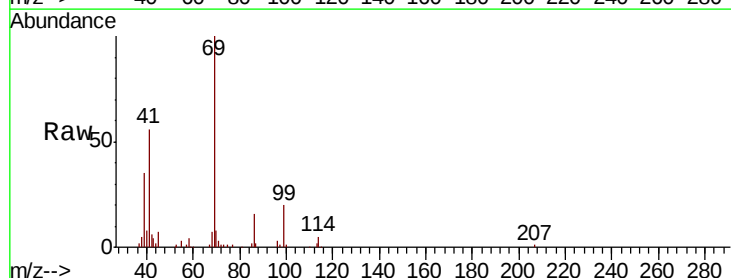


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

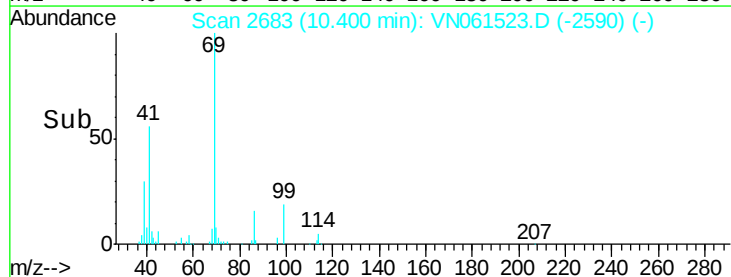
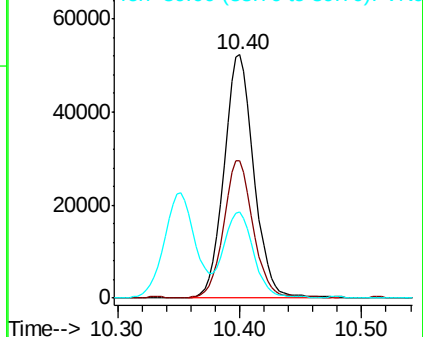


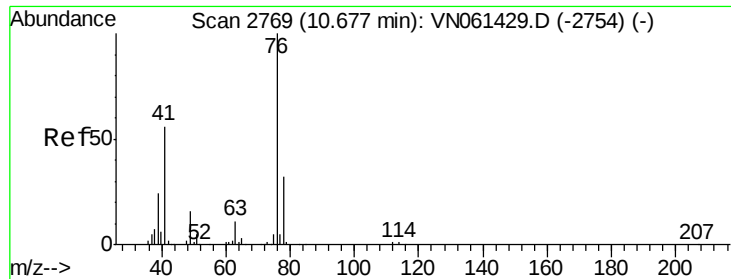
#56
 Ethyl methacrylate
 Concen: 16.777 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion: 69 Resp: 89683
 Ion Ratio Lower Upper
 69 100
 41 54.9 48.3 72.5
 39 34.2 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

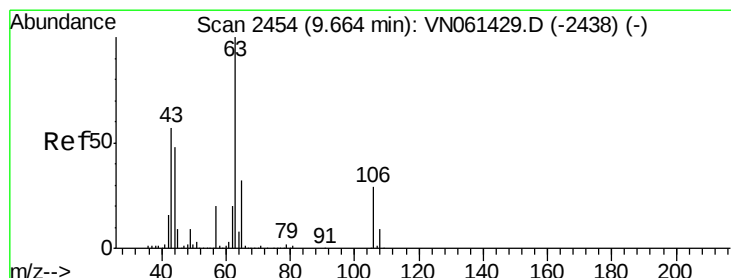
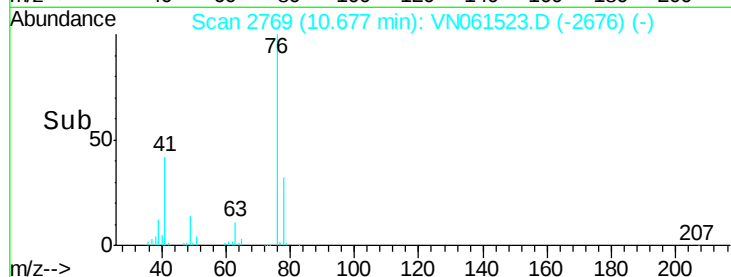
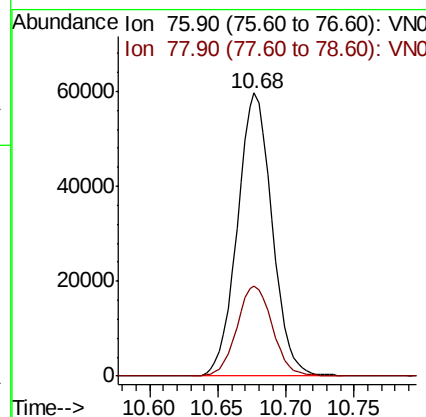
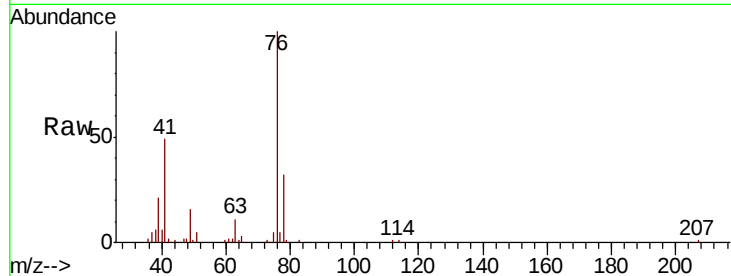




#57
 1,3-Dichloropropane
 Concen: 17.829 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

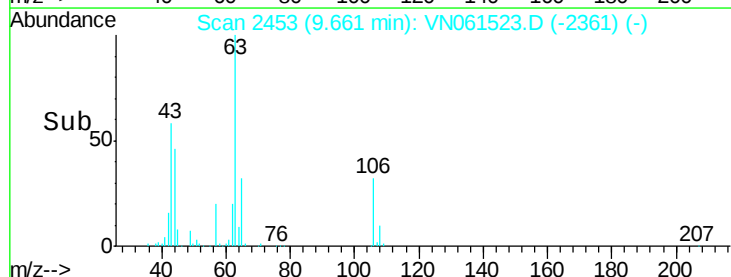
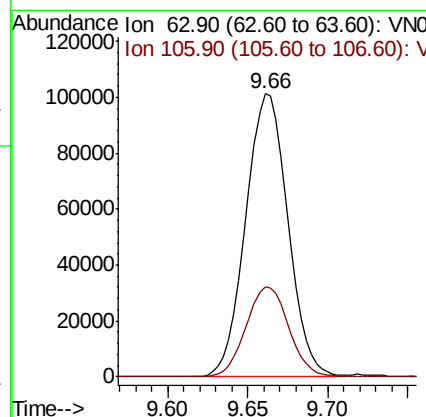
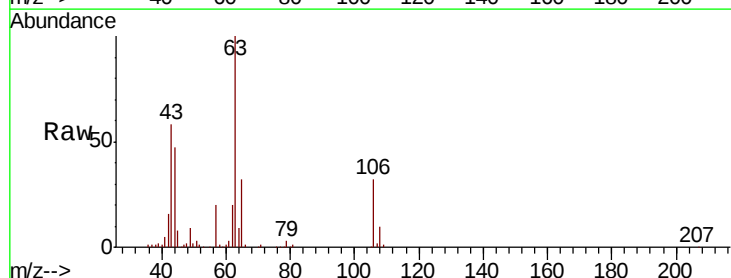
Instrument :
 MSVOA_N
 ClientSampleId :

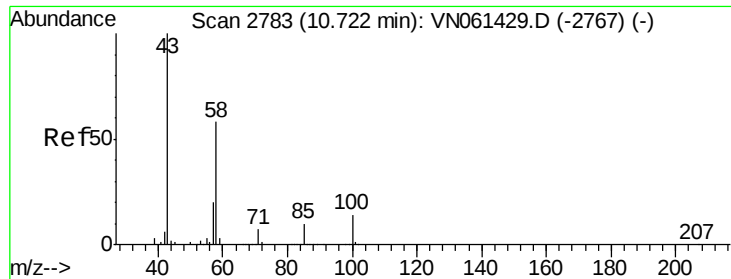
Tot Ion: 76 Resp: 105355
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.892 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion: 63 Resp: 182767
 Ion Ratio Lower Upper
 63 100
 106 32.2 22.7 34.1

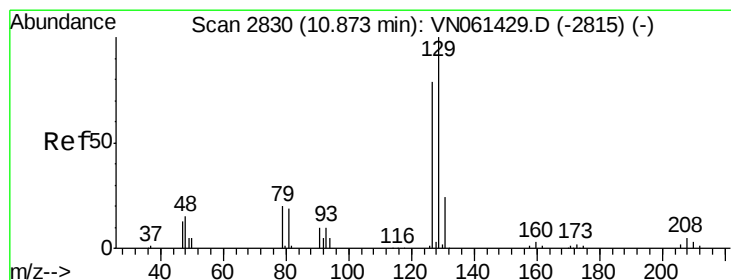
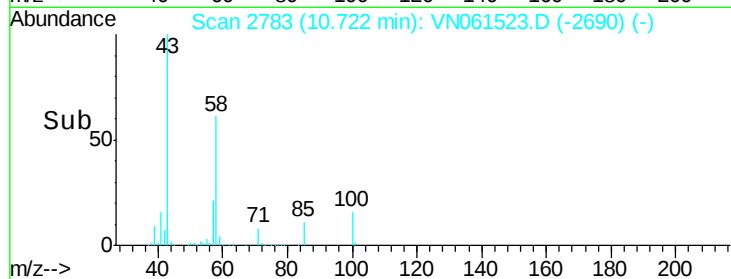
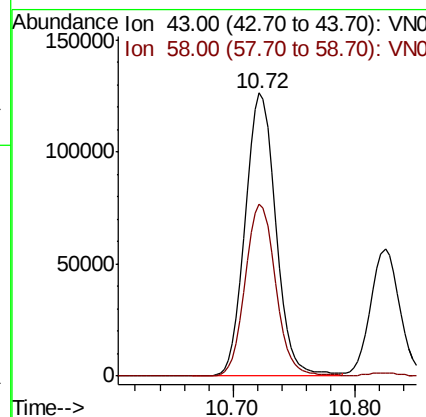
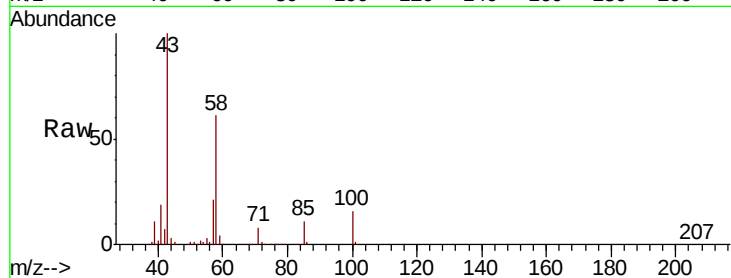




#59
2-Hexanone
Concen: 75.002 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

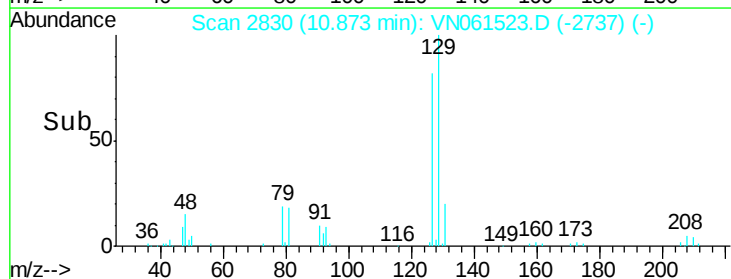
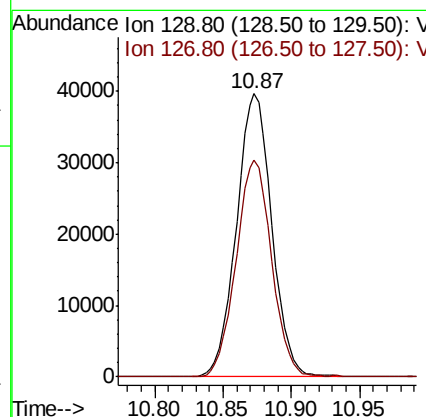
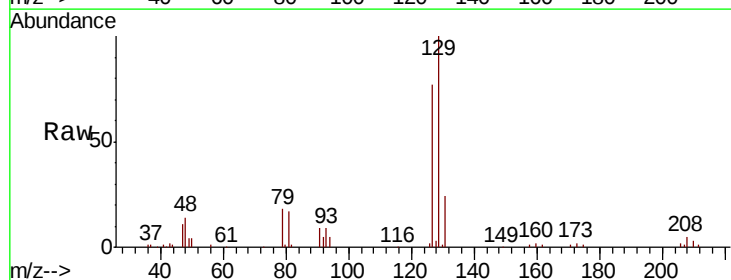
Instrument :
MSVOA_N
ClientSampleId :

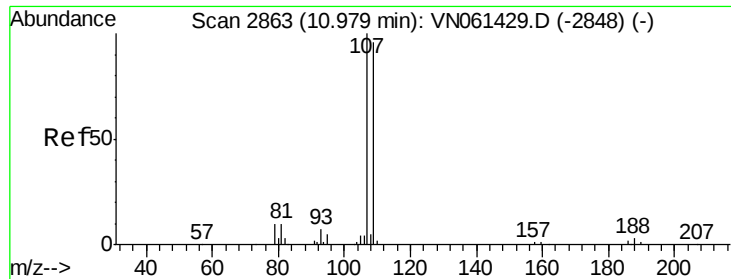
Tot Ion: 43 Resp: 218561
Ion Ratio Lower Upper
43 100
58 60.6 29.2 87.6



#60
Dibromochloromethane
Concen: 18.801 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 129 Resp: 71109
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3

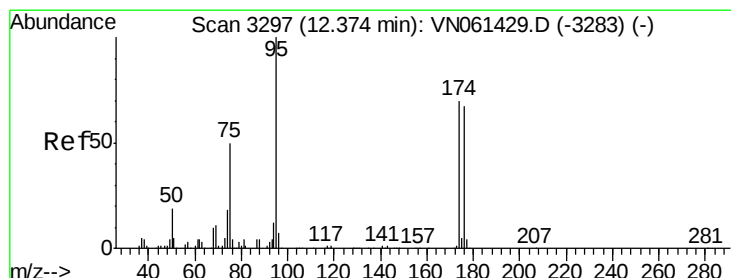
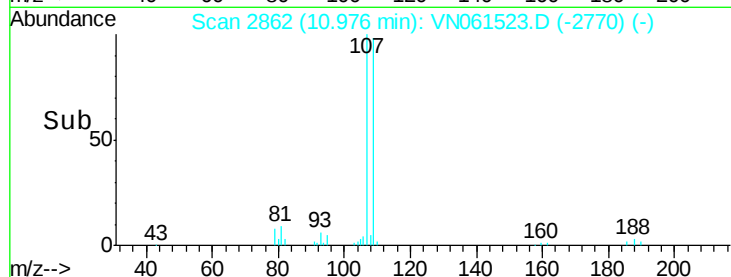
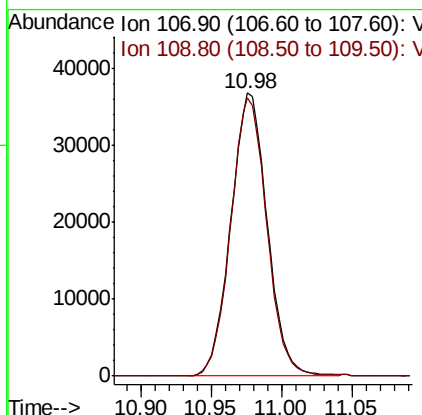
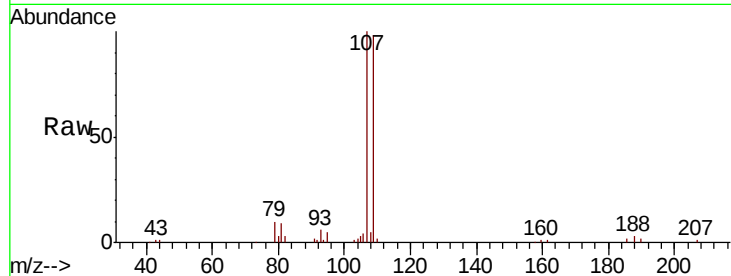




#61
 1,2-Dibromoethane
 Concen: 18.482 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

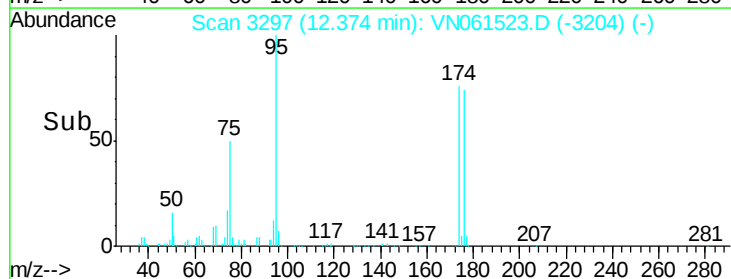
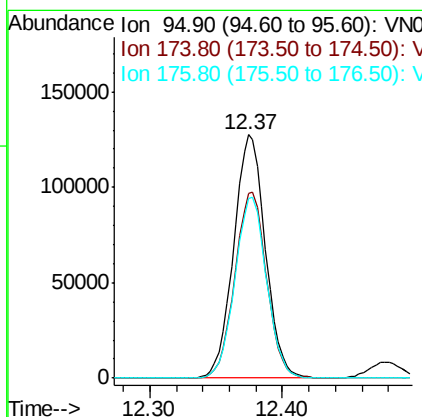
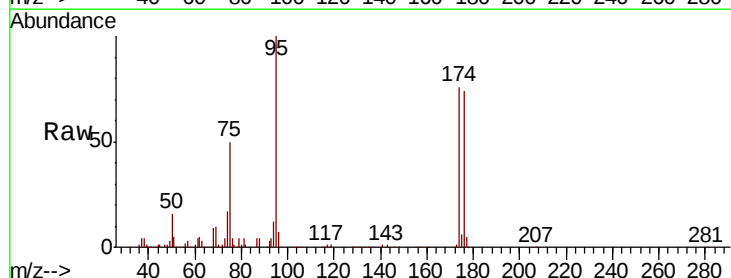
Instrument :
 MSVOA_N
 ClientSampleId :

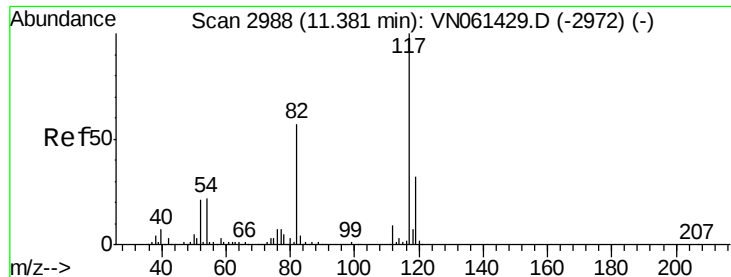
Tot Ion:107 Resp: 66446
 Ion Ratio Lower Upper
 107 100
 109 97.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 46.535 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion: 95 Resp: 211192
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 141.2
 176 74.4 0.0 137.6

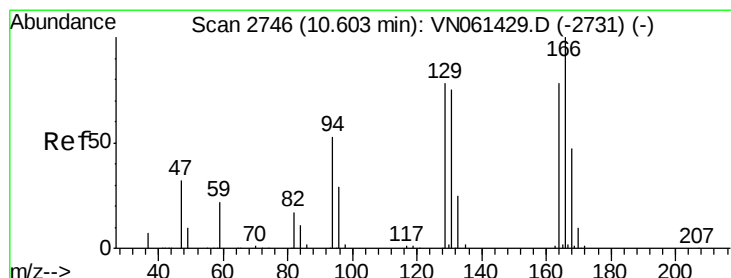
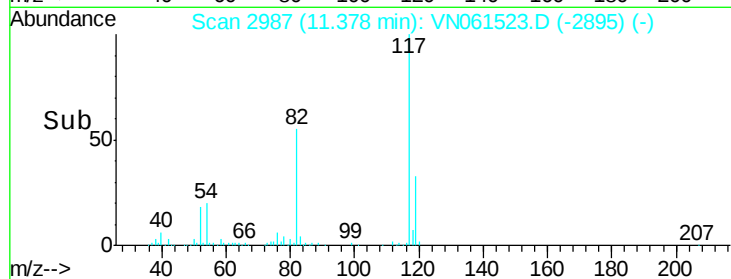
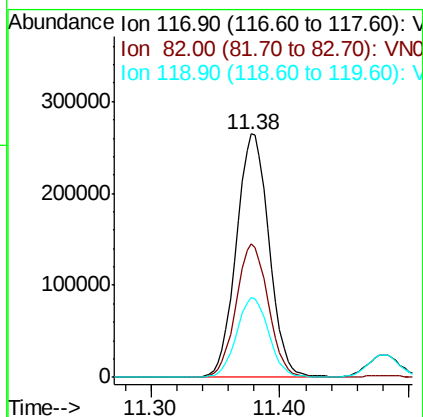
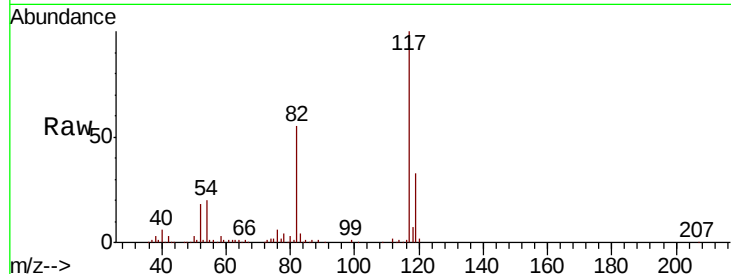




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

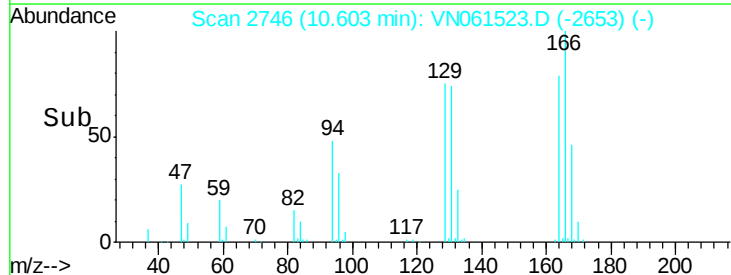
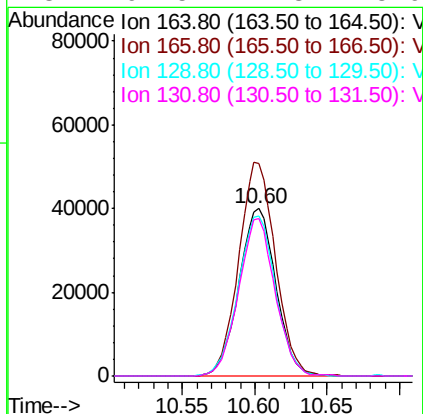
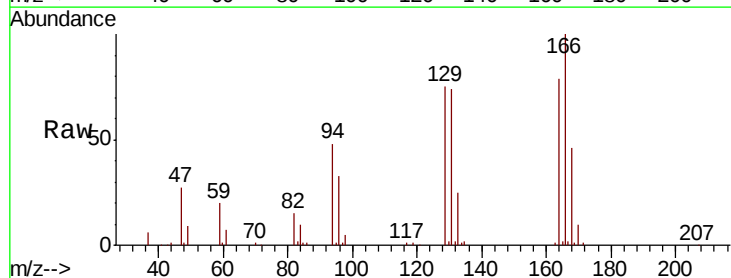
Instrument :
MSVOA_N
ClientSampleId :

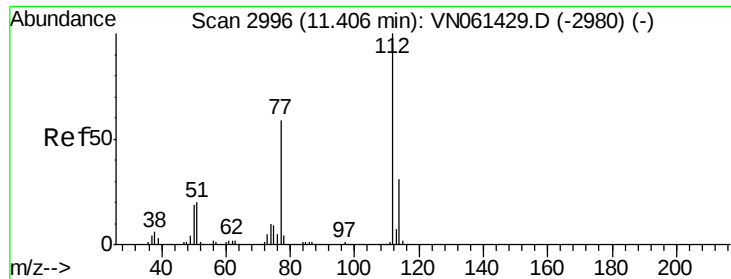
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.2	67.8
119	33.0	25.3	37.9



#64
Tetrachloroethene
Concen: 19.596 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.2	154.8
129	95.4	81.0	121.4
131	94.5	77.3	115.9





#65

Chlorobenzene

Concen: 18.599 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

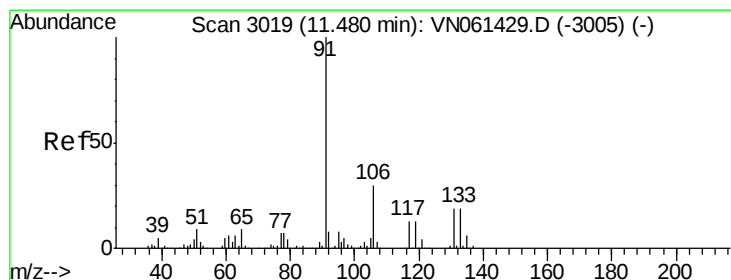
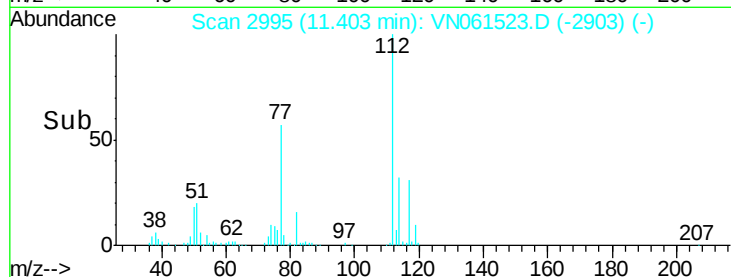
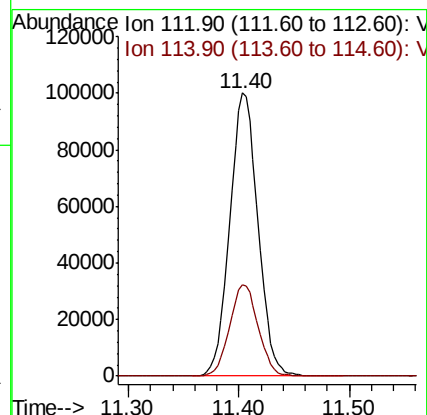
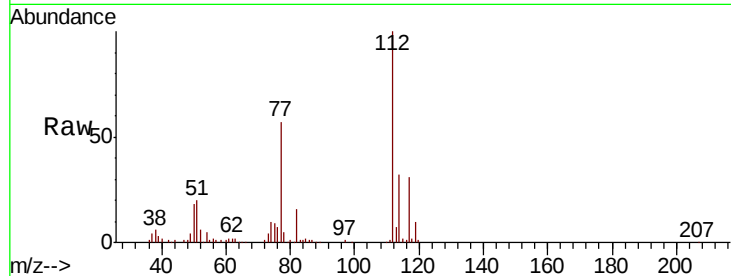
ClientSampled :

Tot Ion:112 Resp: 177230

Ion Ratio Lower Upper

112 100

114 32.3 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 19.173 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

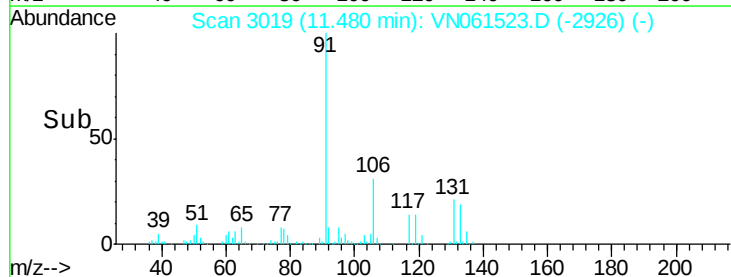
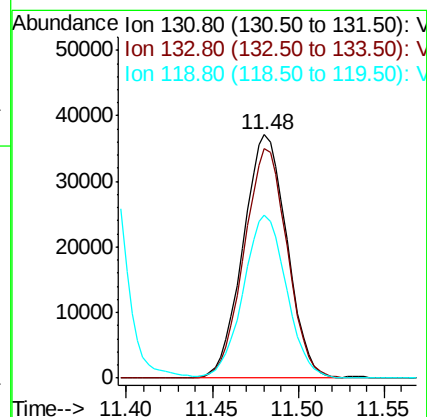
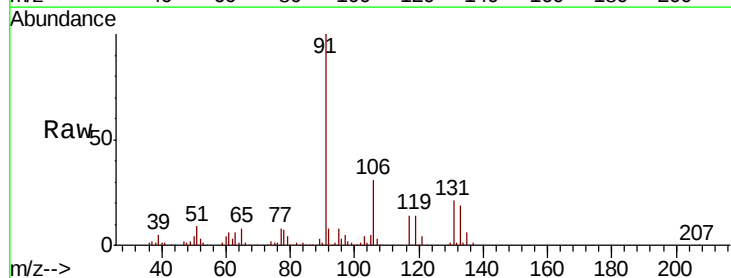
Tgt Ion:131 Resp: 65501

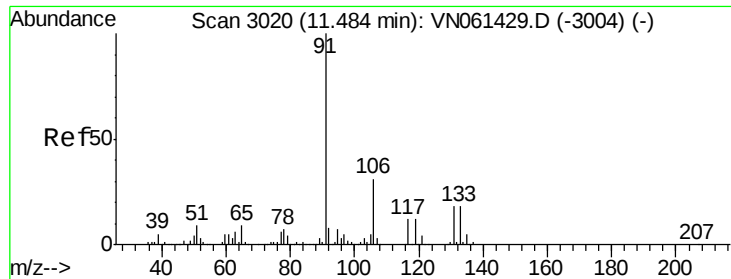
Ion Ratio Lower Upper

131 100

133 93.1 48.7 146.1

119 66.0 33.8 101.3

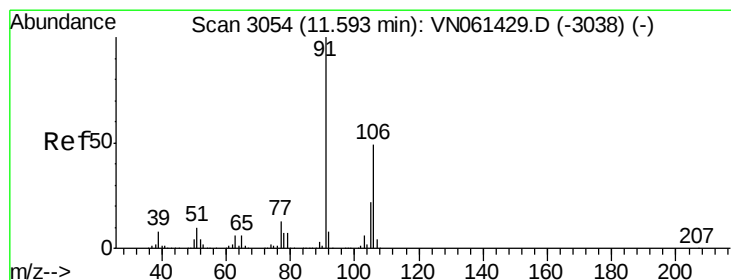
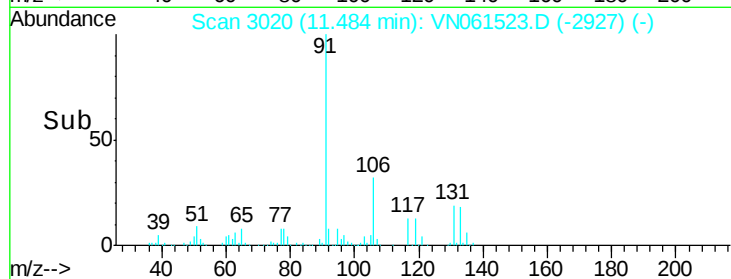
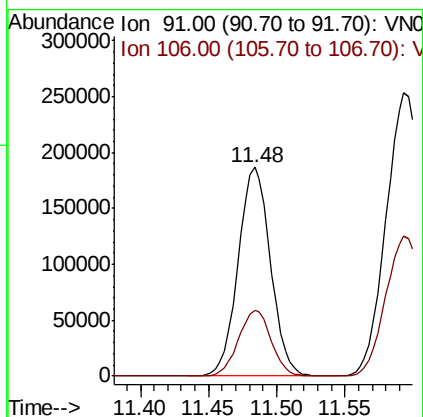
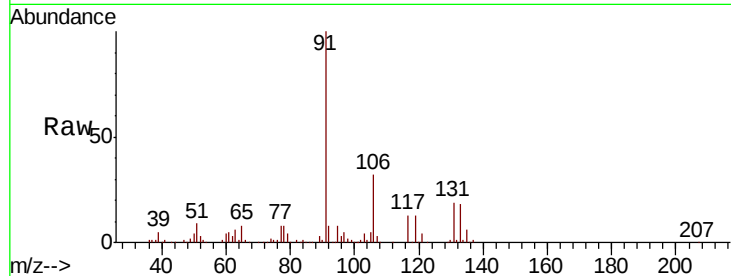




#67
Ethyl Benzene
Concen: 17.733 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

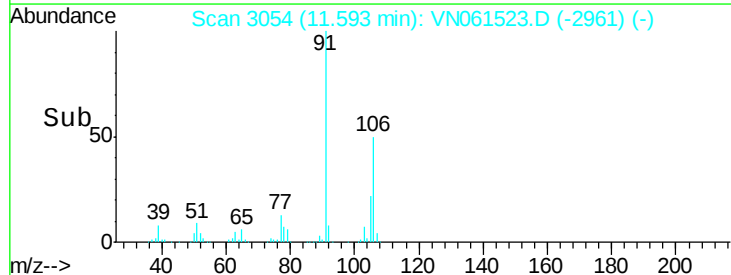
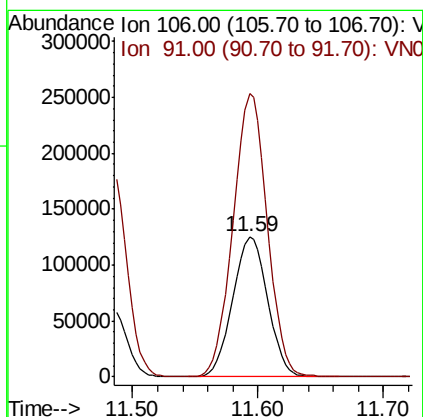
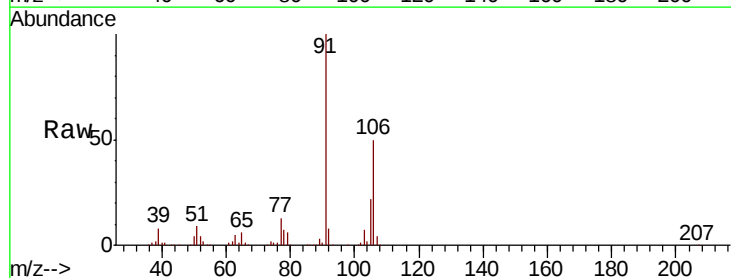
Instrument :
MSVOA_N
ClientSampled :

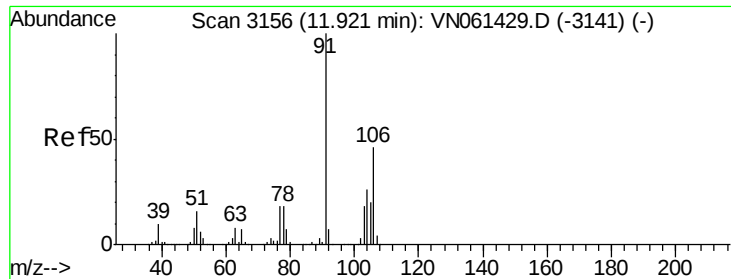
Tot Ion: 91 Resp: 308467
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8



#68
m/p-Xylenes
Concen: 36.763 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 106 Resp: 242725
Ion Ratio Lower Upper
106 100
91 197.3 163.0 244.6

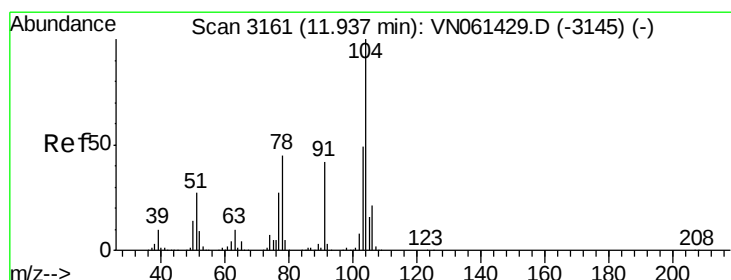
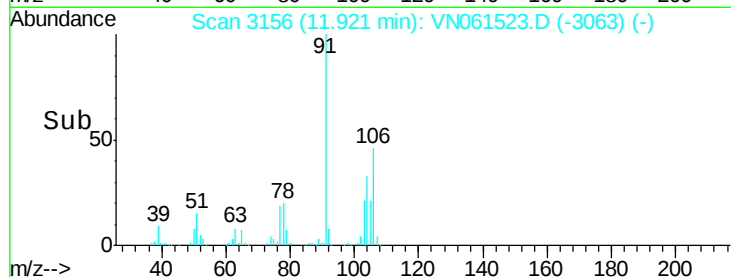
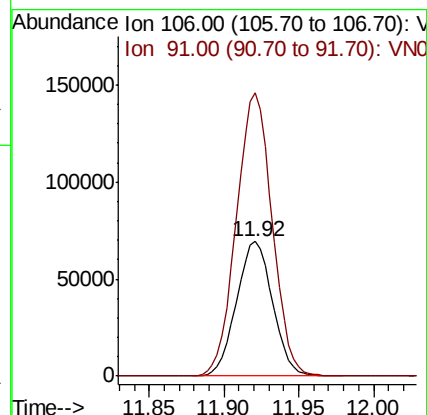
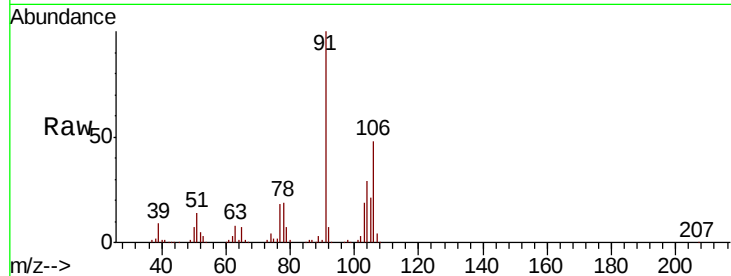




#69
o-Xylene
Concen: 18.308 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

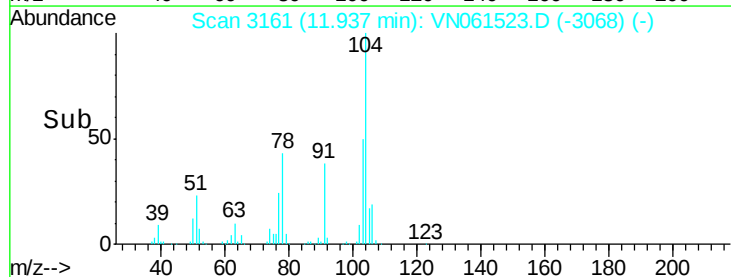
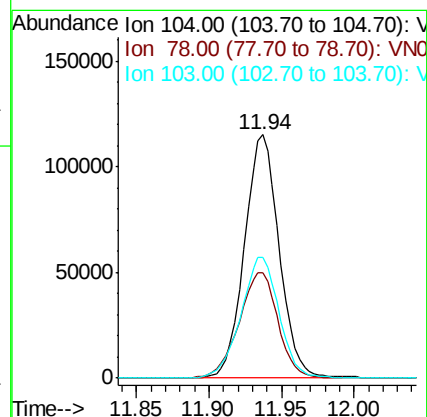
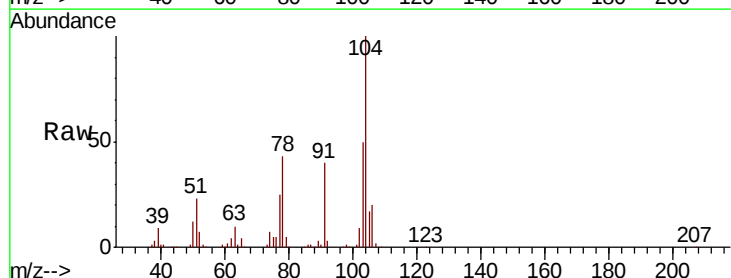
Instrument :
MSVOA_N
ClientSampled :

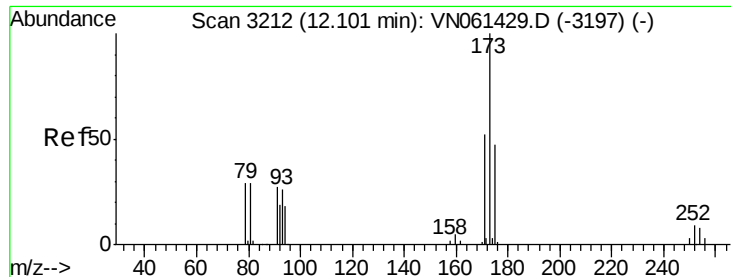
Tot Ion:106 Resp: 116977
Ion Ratio Lower Upper
106 100
91 208.4 107.9 323.7



#70
Styrene
Concen: 18.093 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion:104 Resp: 191439
Ion Ratio Lower Upper
104 100
78 48.9 40.7 61.1
103 54.9 43.0 64.4





#71

Bromoform

Concen: 17.594 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

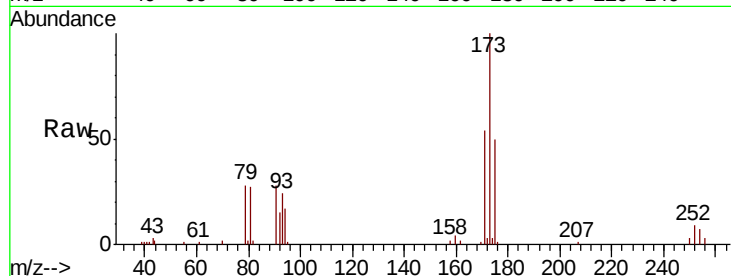
Tot Ion:173 Resp: 43114

Ion Ratio Lower Upper

173 100

175 49.0 23.9 71.8

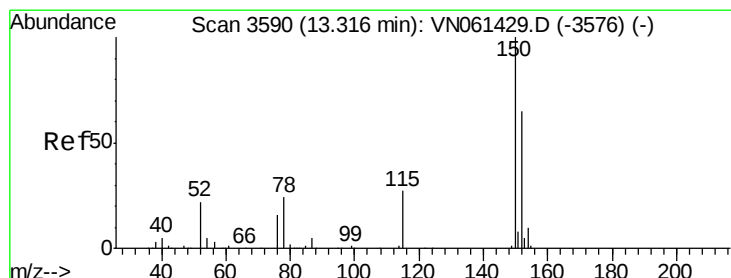
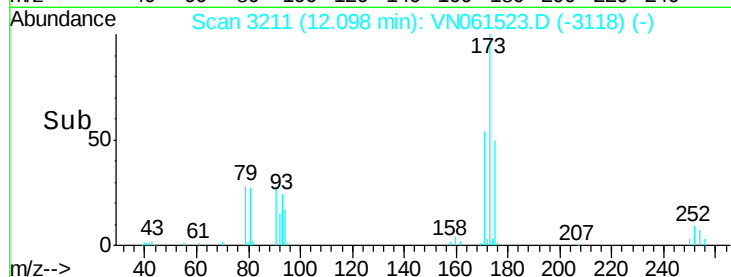
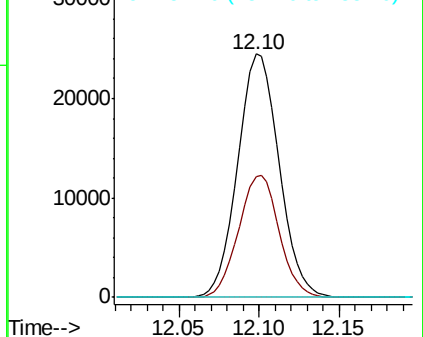
254 0.0 0.0 0.0



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: VN061523.D

Acq: 21 May 2020 12:21

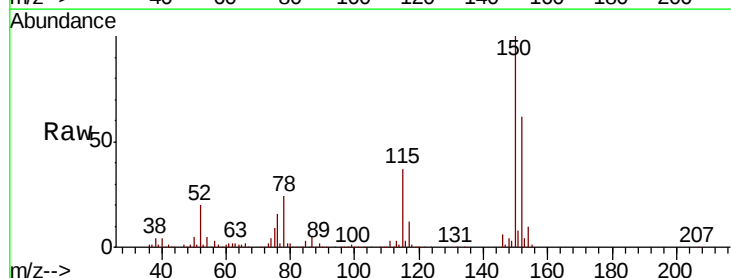
Tgt Ion:152 Resp: 220891

Ion Ratio Lower Upper

152 100

115 58.9 30.9 92.5

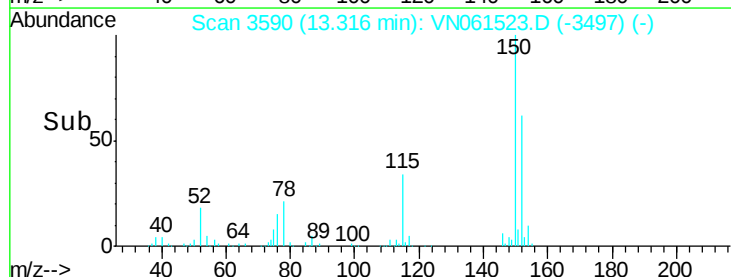
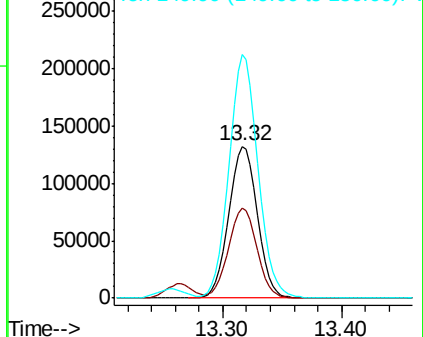
150 162.5 0.0 349.2

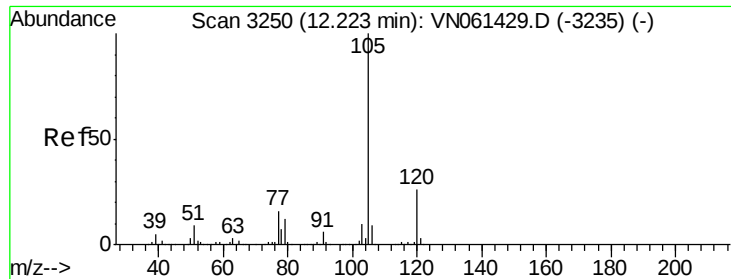


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

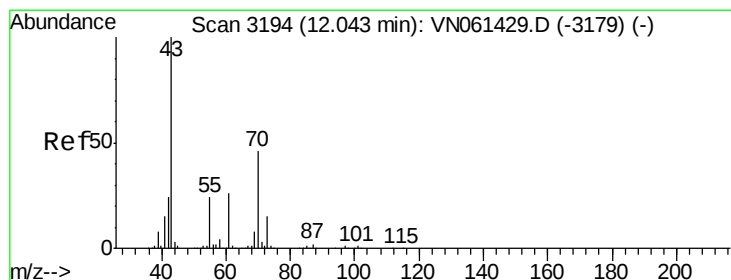
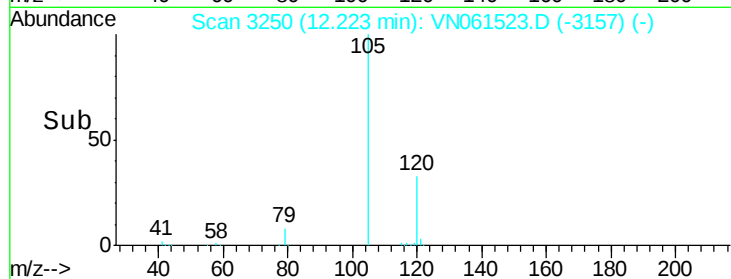
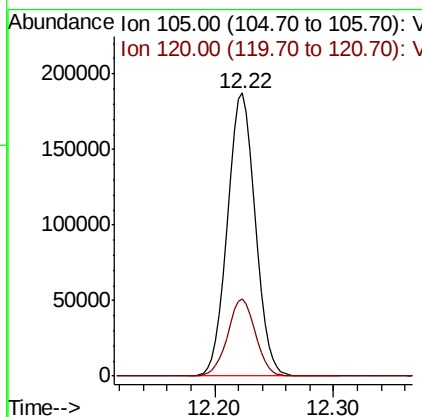
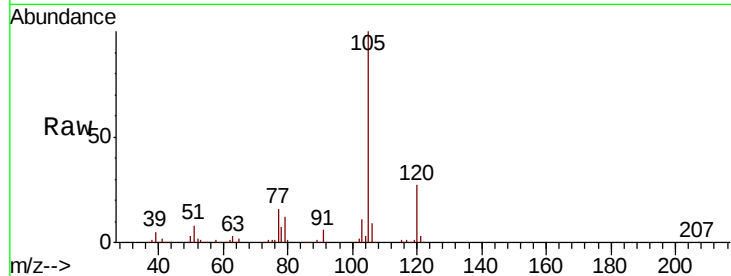




#73
Isopropylbenzene
Concen: 17.145 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

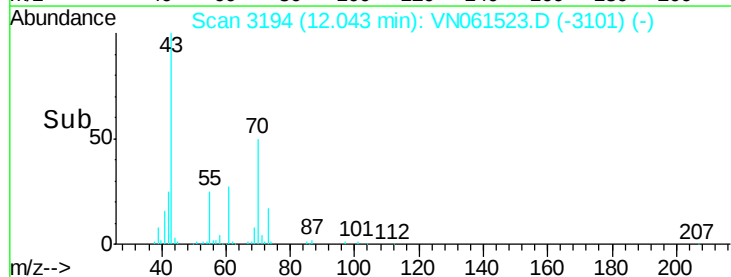
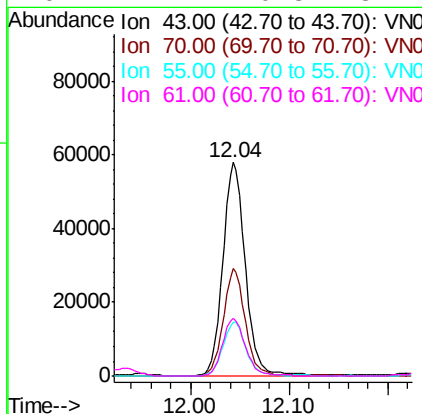
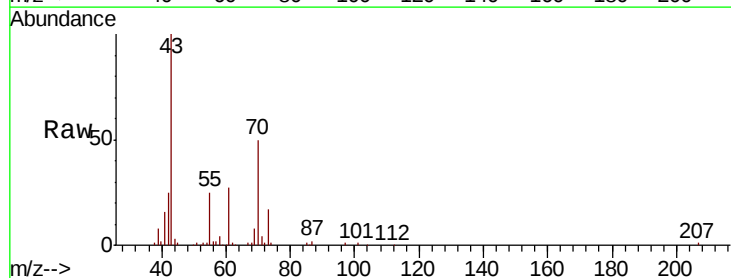
Instrument :
MSVOA_N
ClientSampleId :

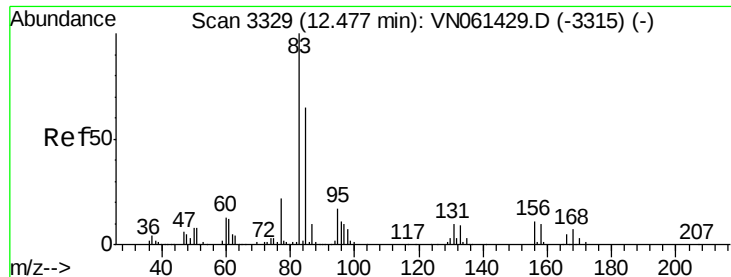
Tot Ion:105 Resp: 304031
Ion Ratio Lower Upper
105 100
120 27.3 13.0 39.0



#74
N-ethyl acetate
Concen: 14.407 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion: 43 Resp: 93516
Ion Ratio Lower Upper
43 100
70 48.3 37.0 55.4
55 25.7 19.5 29.3
61 27.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.114 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

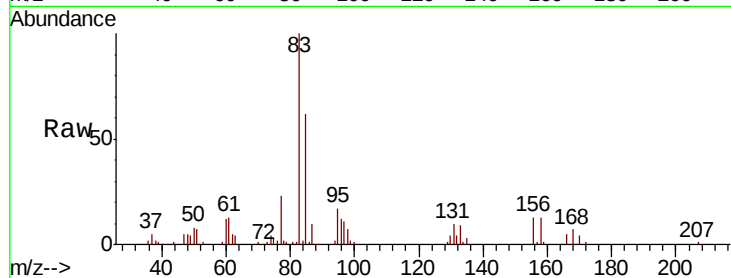
Tot Ion: 83 Resp: 83497

Ion Ratio Lower Upper

83 100

131 10.4 4.8 14.4

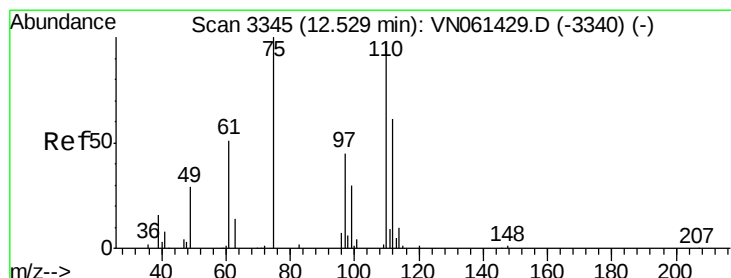
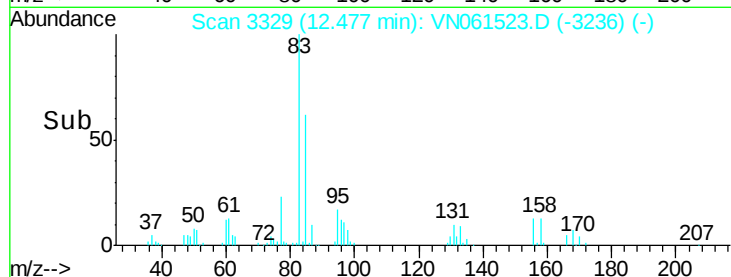
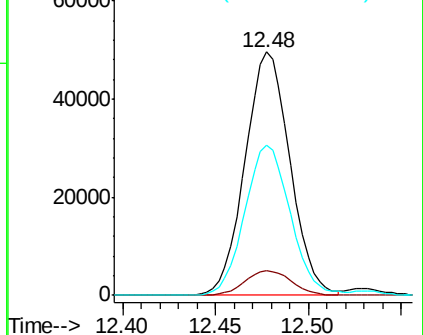
85 62.5 32.1 96.5



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: 22.338 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061523.D

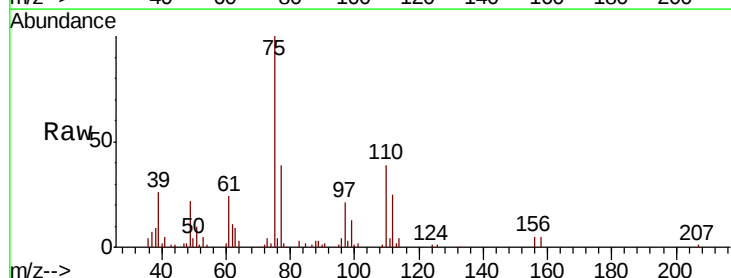
Acq: 21 May 2020 12:21

Tgt Ion: 75 Resp: 105875

Ion Ratio Lower Upper

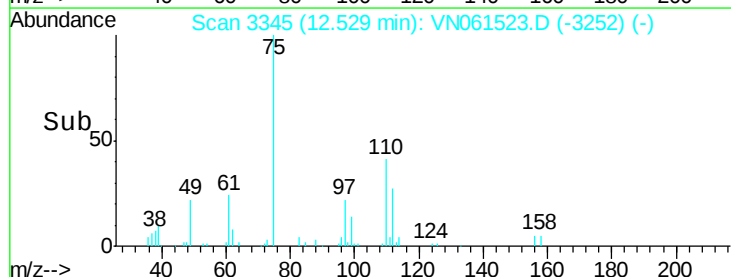
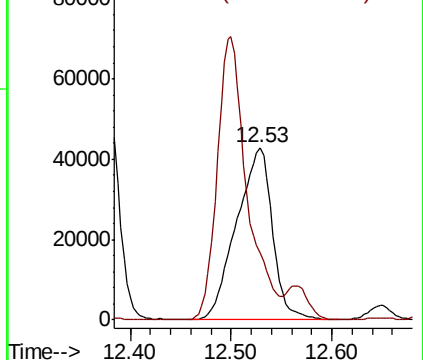
75 100

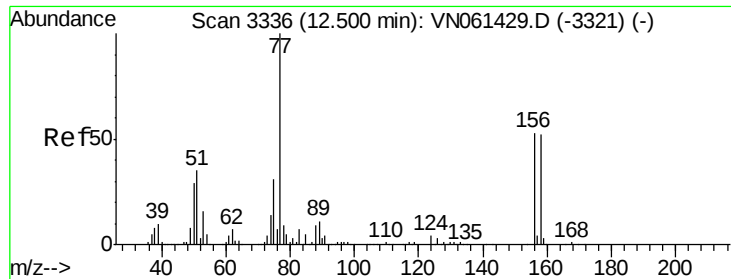
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.965 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

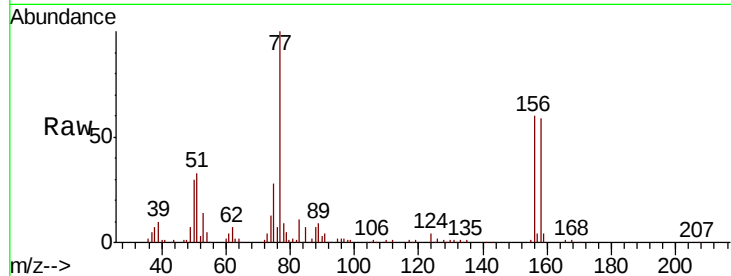
Tot Ion:156 Resp: 72988

Ion Ratio Lower Upper

156 100

77 198.5 112.3 336.9

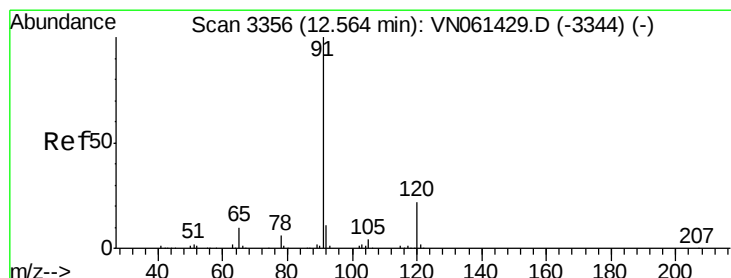
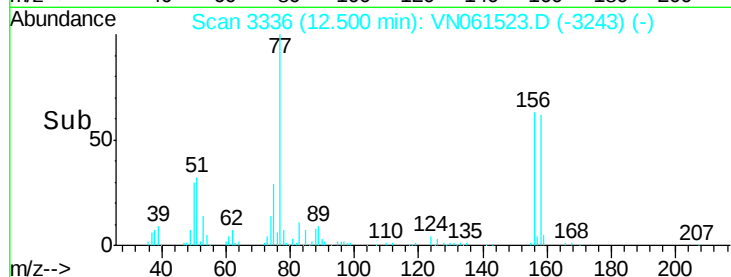
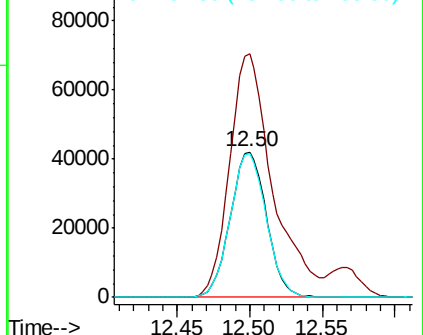
158 98.7 47.9 143.6



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: 16.979 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061523.D

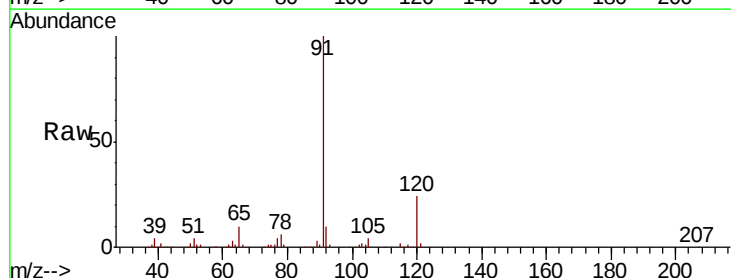
Acq: 21 May 2020 12:21

Tgt Ion: 91 Resp: 343058

Ion Ratio Lower Upper

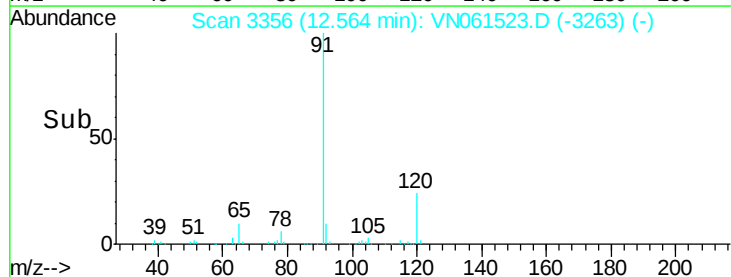
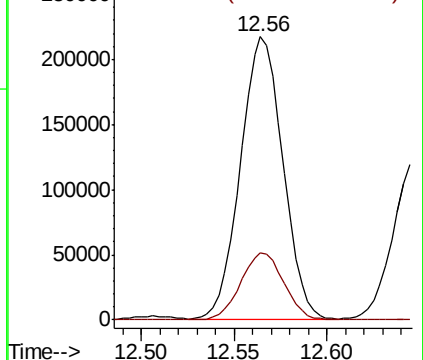
91 100

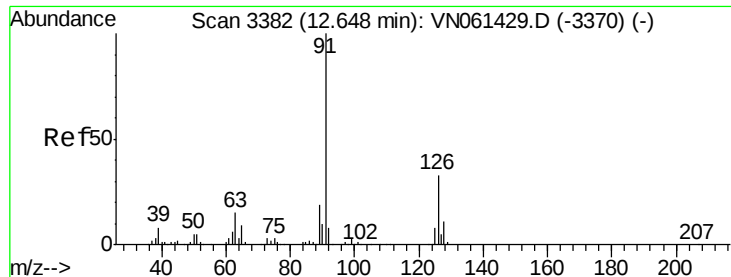
120 24.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.173 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

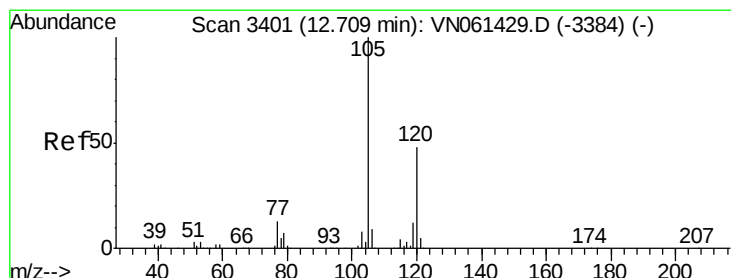
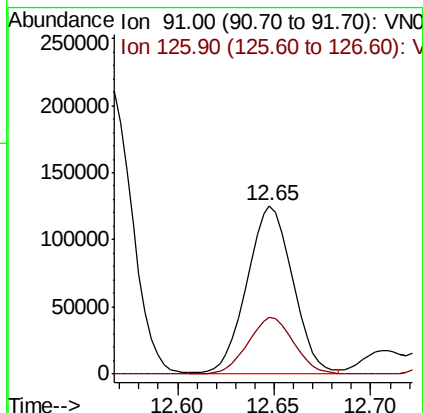
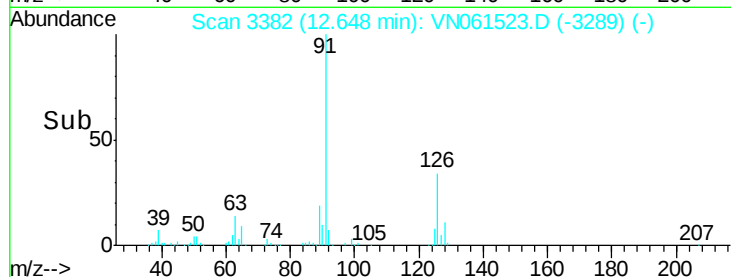
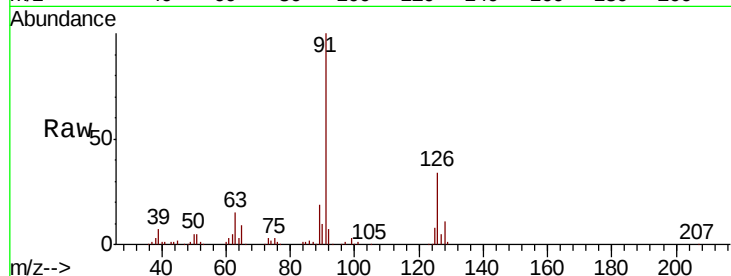
ClientSampled :

Tot Ion: 91 Resp: 205091

Ion Ratio Lower Upper

91 100

126 34.2 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 17.489 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061523.D

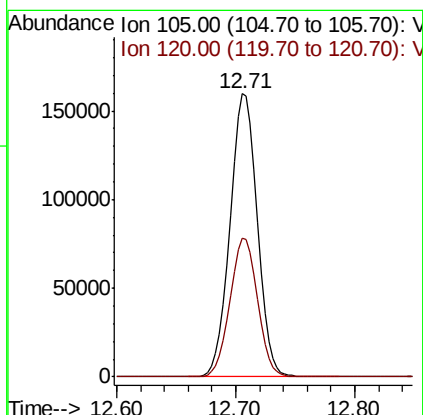
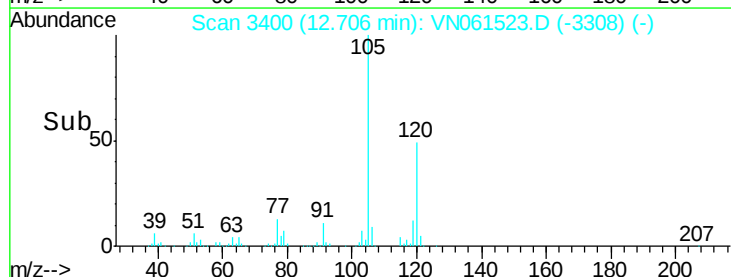
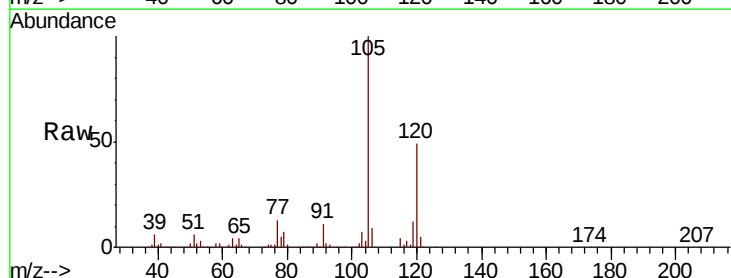
Acq: 21 May 2020 12:21

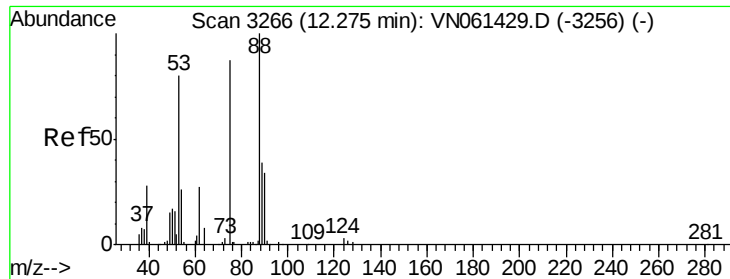
Tgt Ion: 105 Resp: 253931

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.398 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

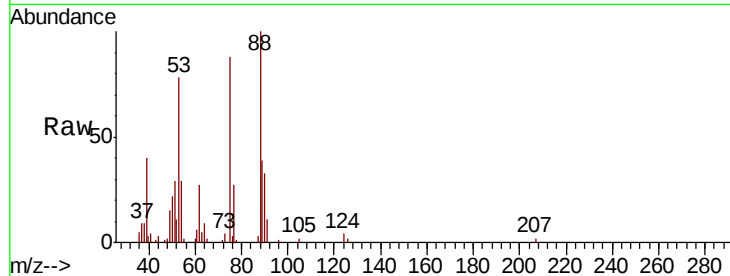
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 25725

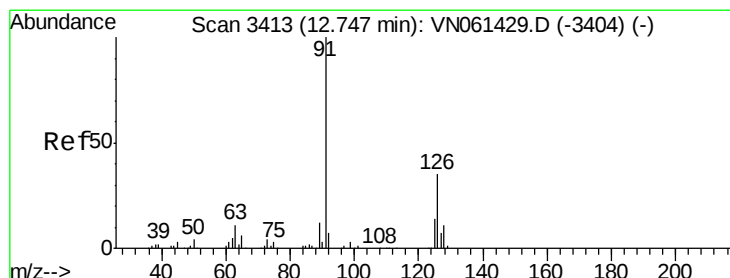
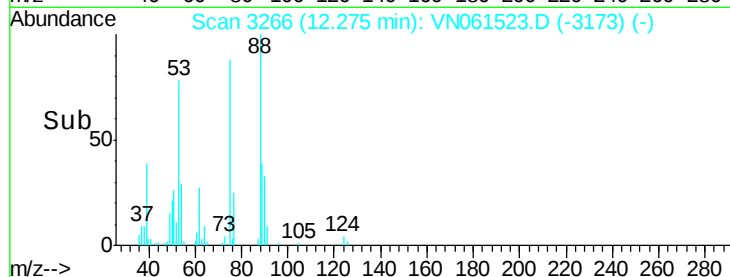
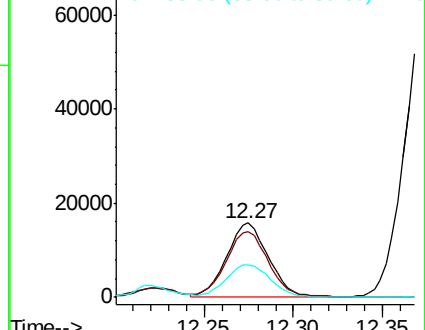
Ion	Ratio	Lower	Upper
75	100		
53	90.3	75.2	112.8
89	46.9	38.2	57.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.273 ug/l

RT: 12.75 min Scan# 3413

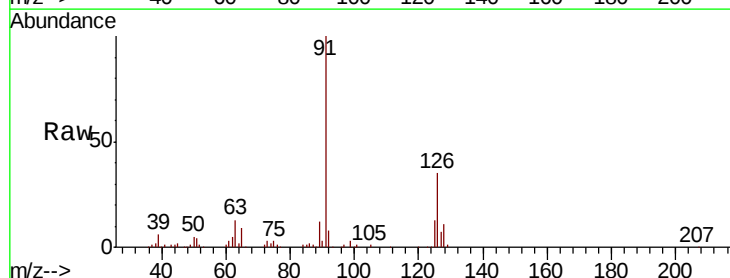
Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

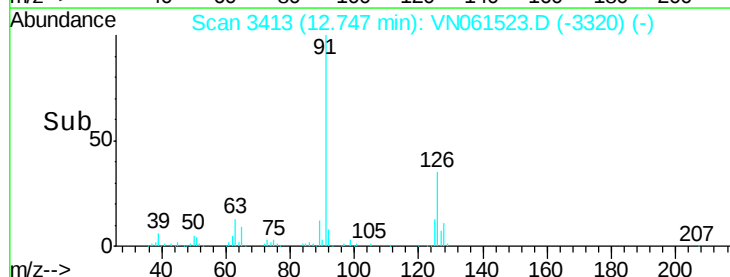
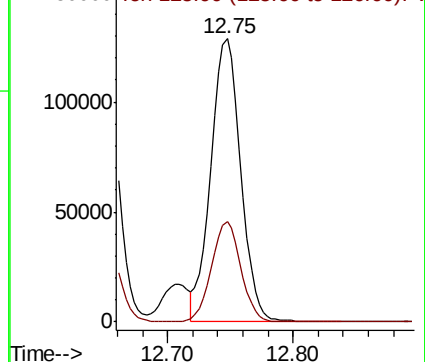
Tgt Ion: 91 Resp: 213602

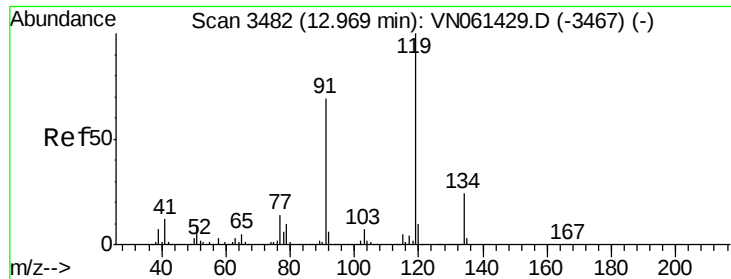
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.1	48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

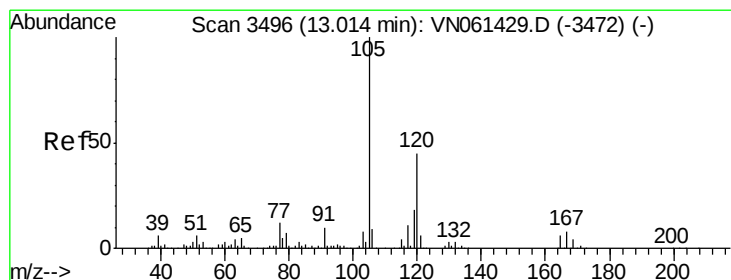
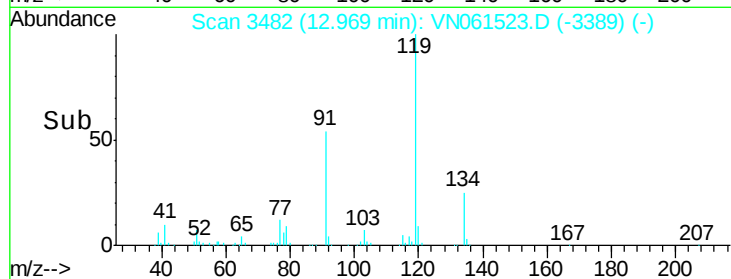
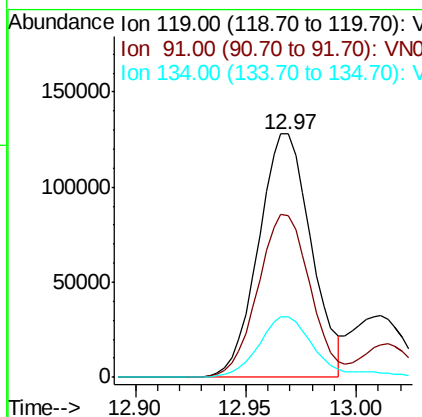
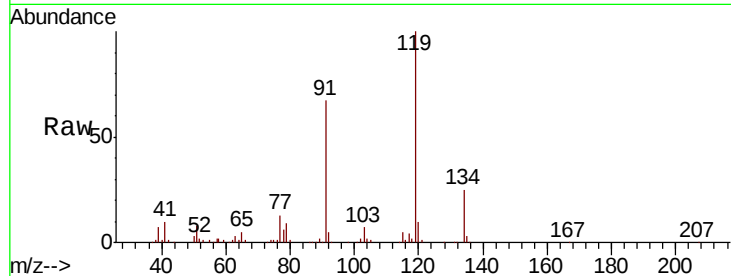




#83
 tert-Butylbenzene
 Concen: 17.008 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

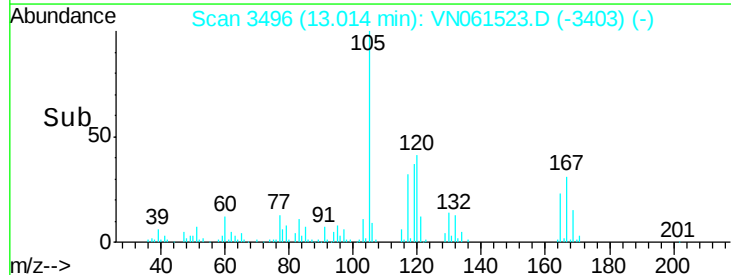
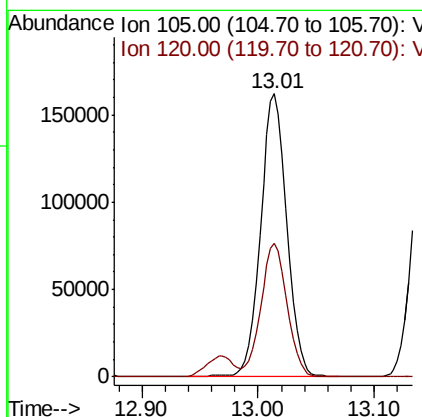
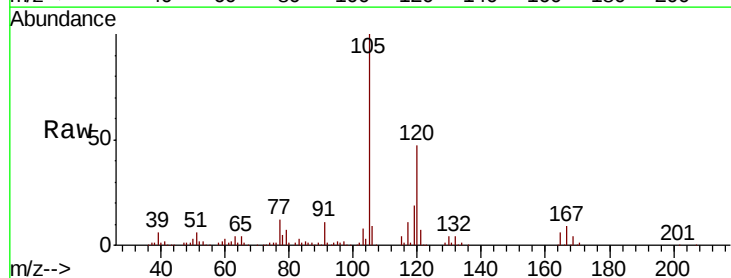
Instrument :
 MSVOA_N
 ClientSampleId :

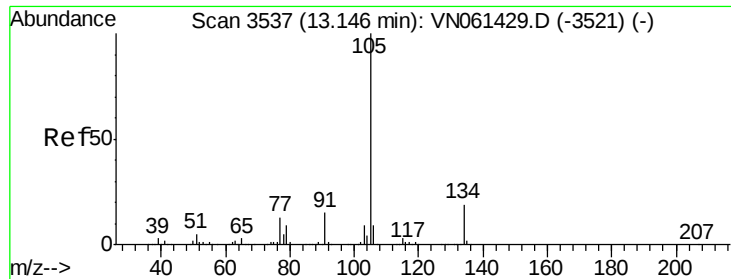
Tot Ion:119 Resp: 211526
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.7 101.0
 134 26.8 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 17.547 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion:105 Resp: 254972
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 16.810 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

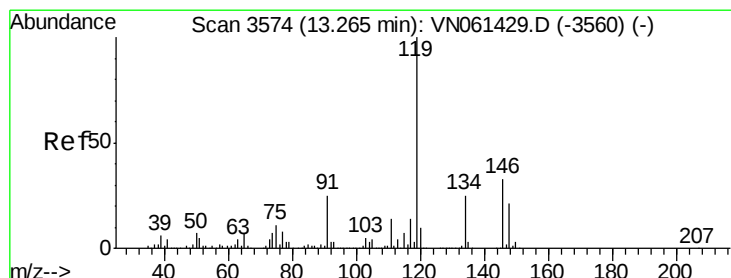
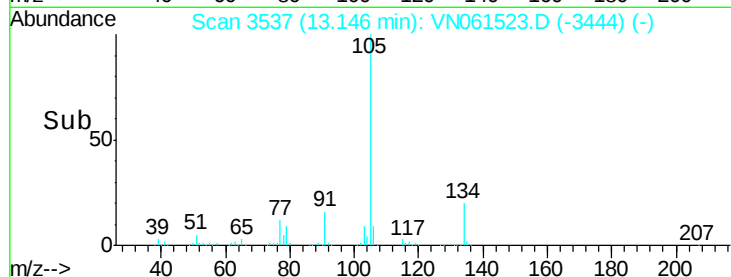
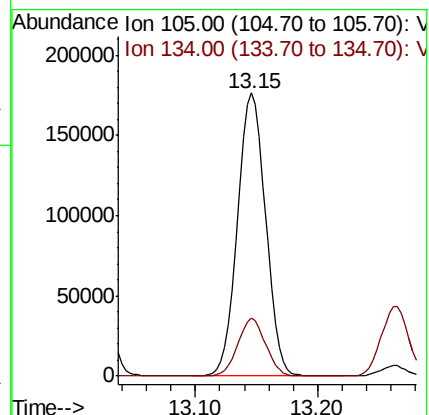
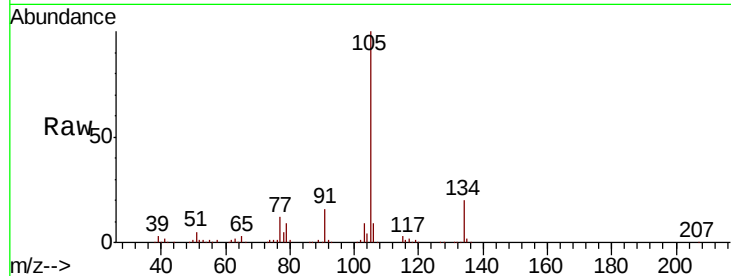
ClientSampleId :

Tot Ion:105 Resp: 282710

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.5



#86

p-Isopropyltoluene

Concen: 17.299 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

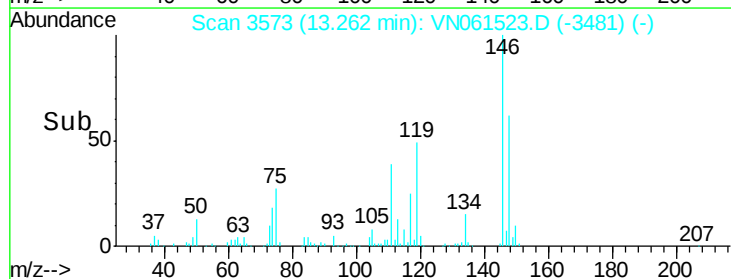
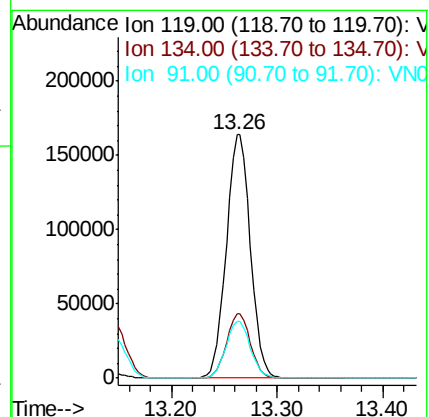
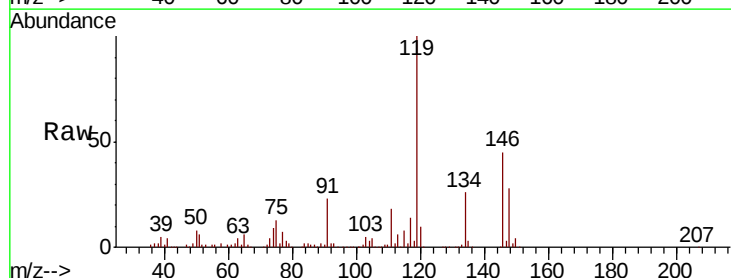
Tgt Ion:119 Resp: 258341

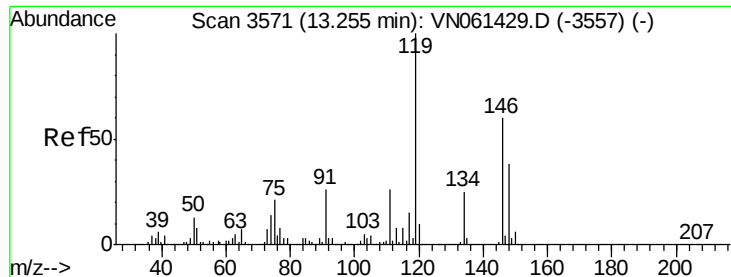
Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.1

91 23.5 12.6 37.6

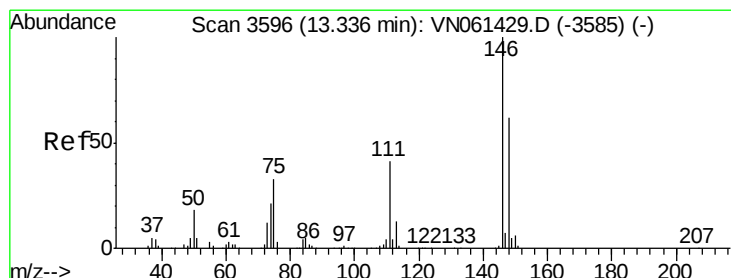
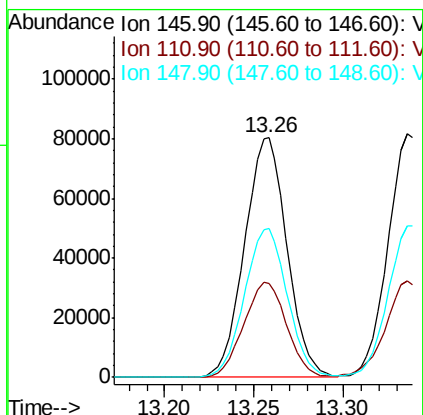
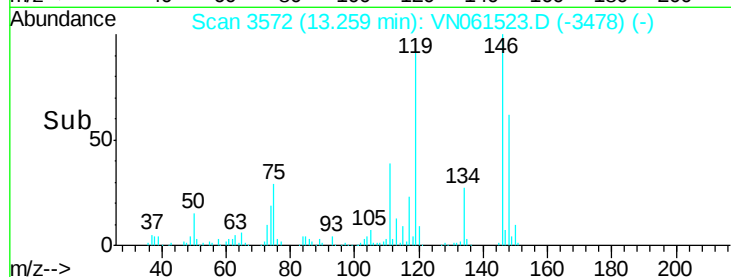
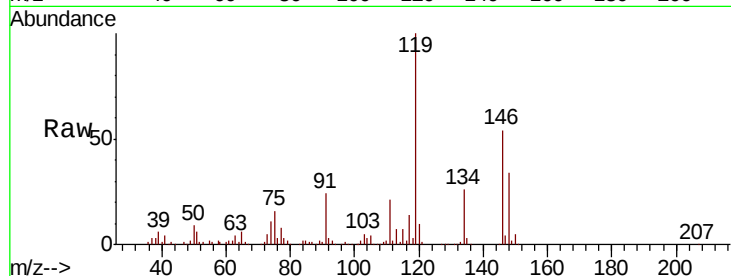




#87
 1,3-Dichlorobenzene
 Concen: 18.971 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

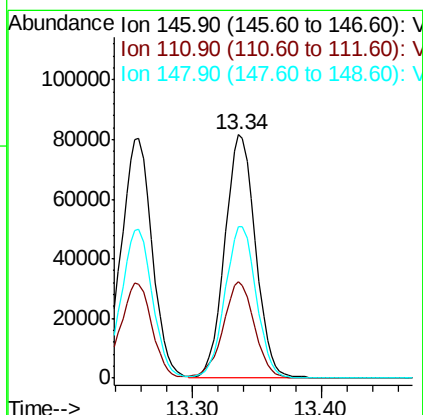
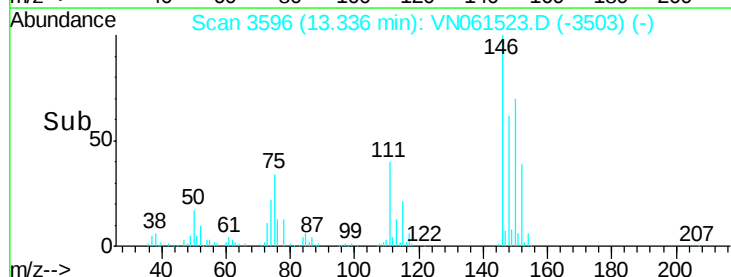
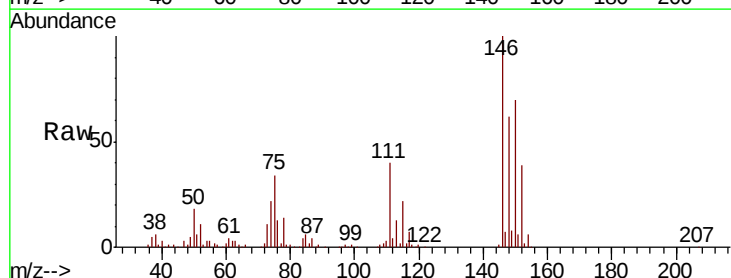
Instrument :
 MSVOA_N
 ClientSampled :

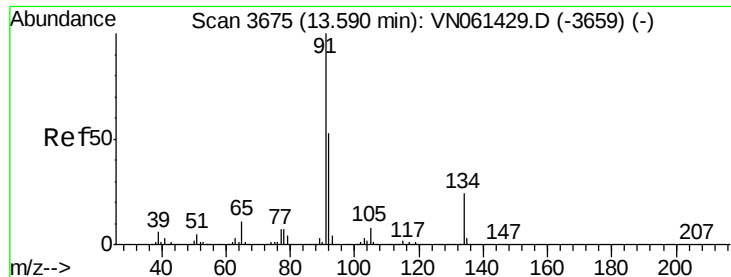
Tot Ion:146 Resp: 133614
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.5 64.5
 148 62.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.088 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion:146 Resp: 134639
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.8 62.5
 148 62.8 31.6 94.8





#89

n-Butylbenzene

Concen: 16.094 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061523.D

Acq: 21 May 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

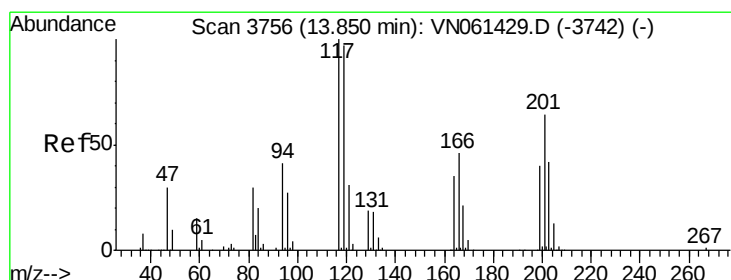
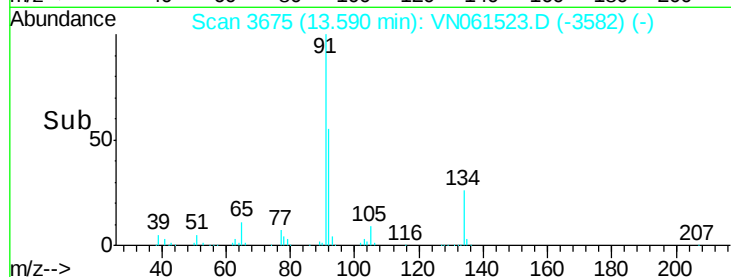
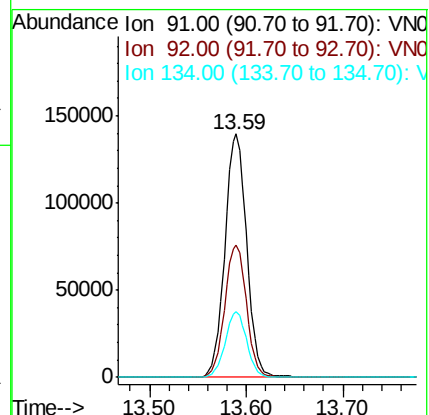
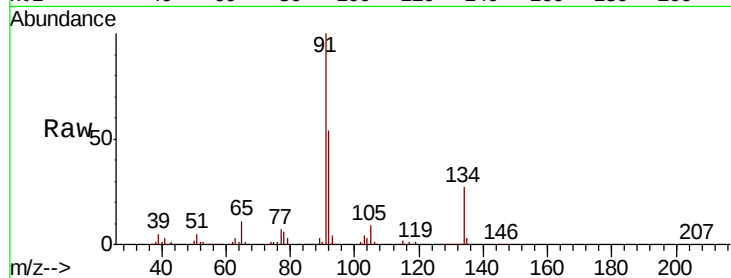
Tot Ion: 91 Resp: 218348

Ion Ratio Lower Upper

91 100

92 54.1 26.8 80.3

134 26.7 12.4 37.4



#90

Hexachloroethane

Concen: 16.099 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061523.D

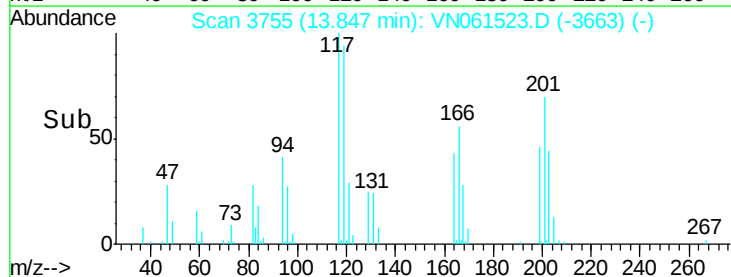
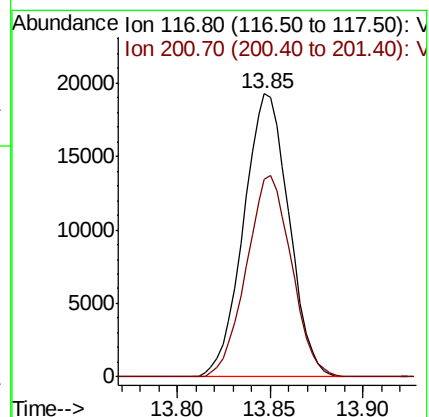
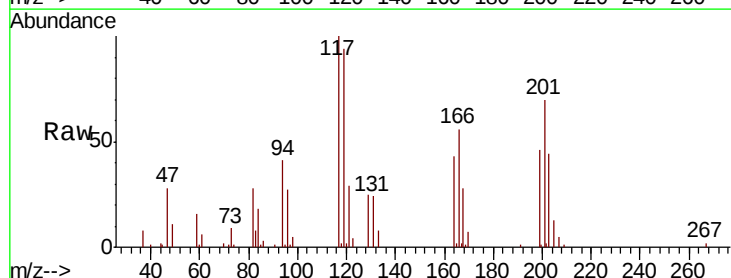
Acq: 21 May 2020 12:21

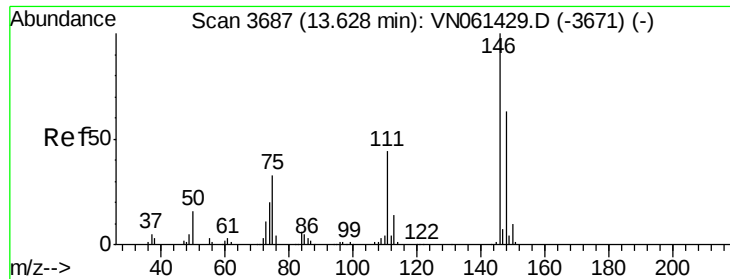
Tgt Ion: 117 Resp: 32584

Ion Ratio Lower Upper

117 100

201 71.0 32.9 98.7

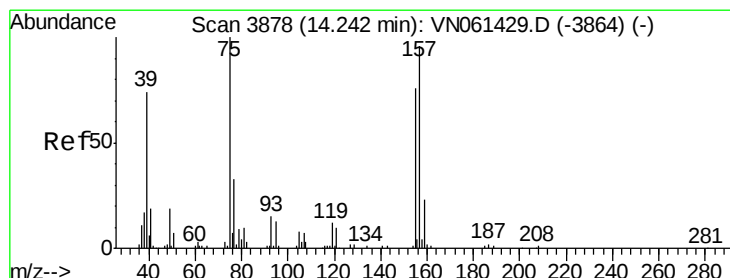
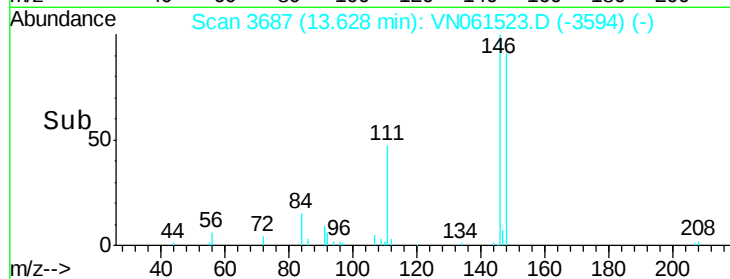
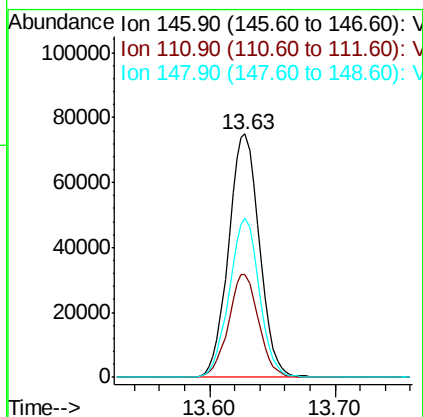
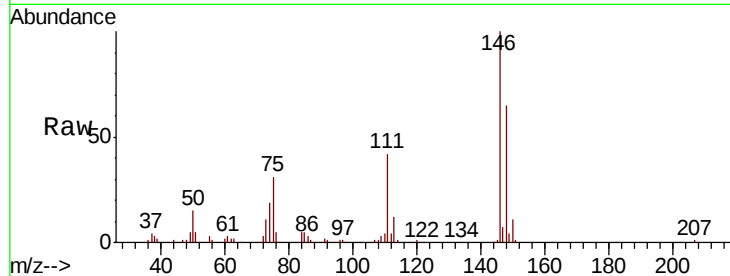




#91
 1,2-Dichlorobenzene
 Concen: 18.959 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

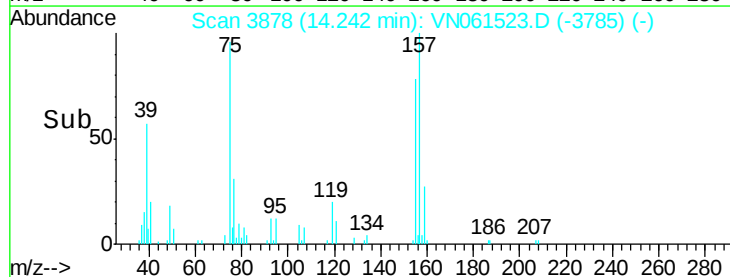
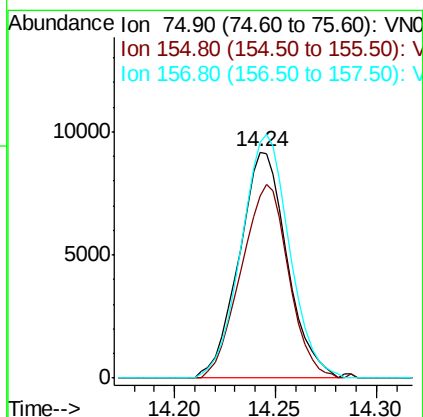
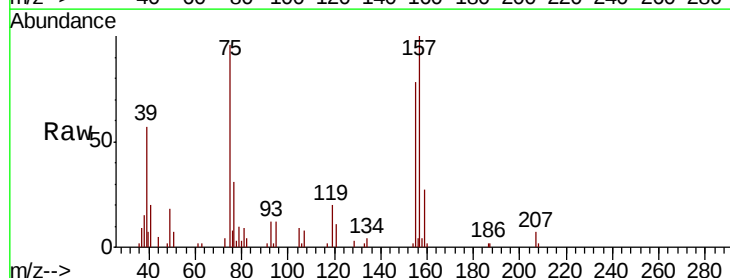
Instrument :
 MSVOA_N
 ClientSampled :

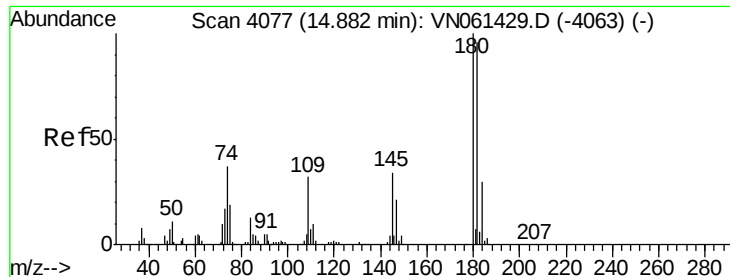
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.9	65.7
148	63.8	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.524 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	38.9	116.7
157	107.9	48.6	145.8

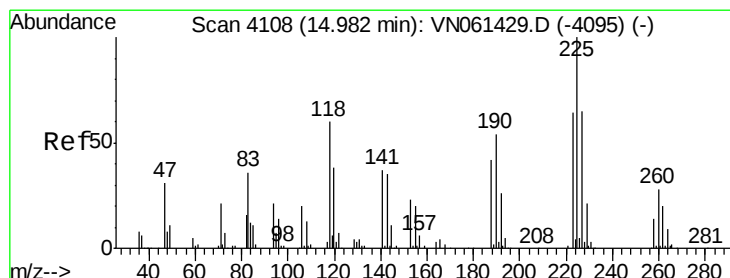
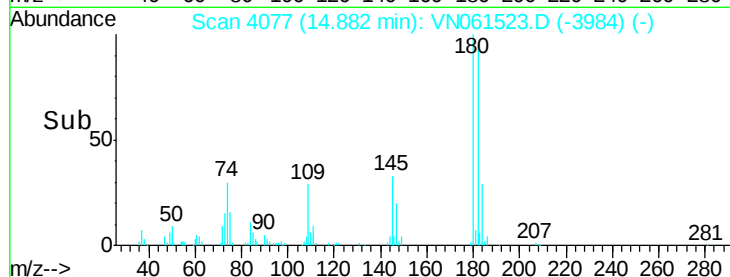
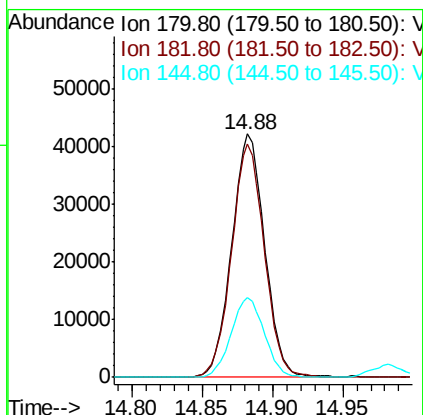
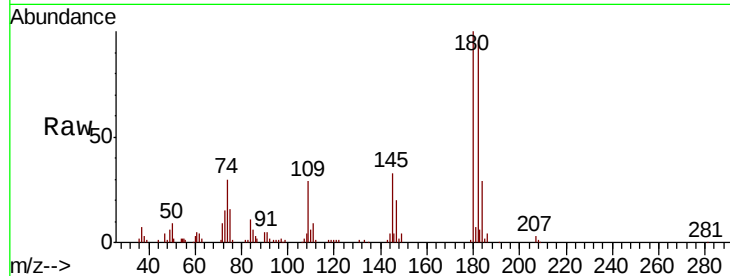




#93
 1,2,4-Trichlorobenzene
 Concen: 18.784 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

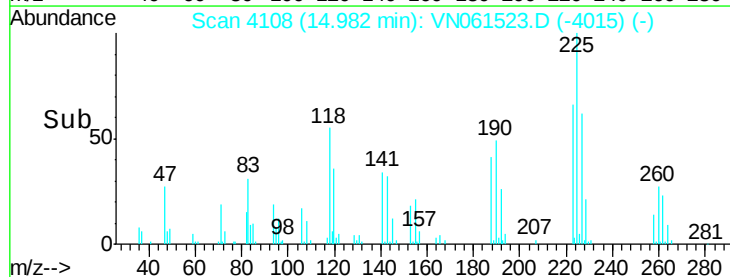
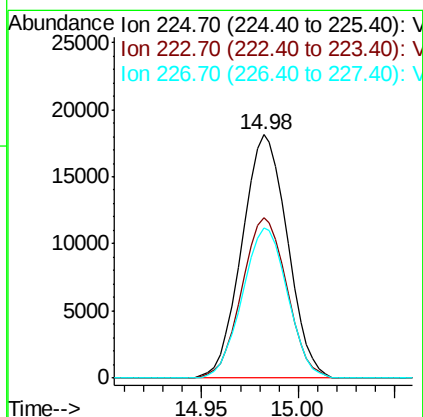
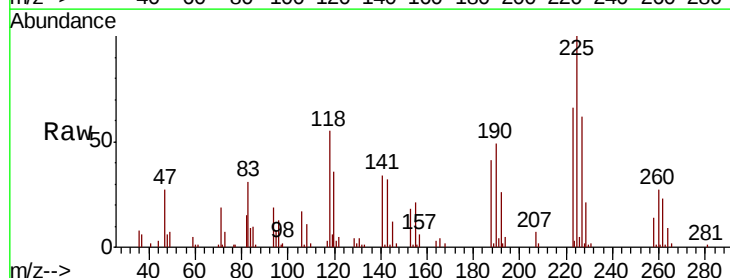
Instrument :
 MSVOA_N
 ClientSampled :

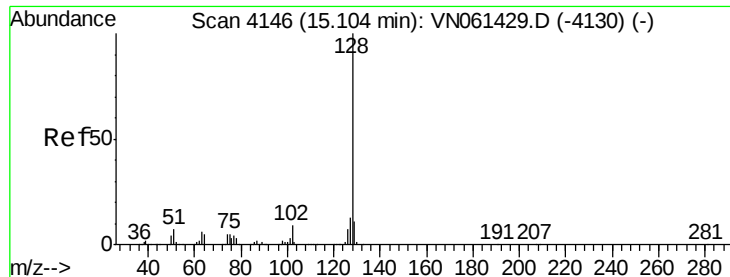
Tot Ion:180 Resp: 68813
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.0 141.0
 145 33.0 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 18.230 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061523.D
 Acq: 21 May 2020 12:21

Tgt Ion:225 Resp: 29672
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.9 95.7
 227 61.2 31.5 94.5

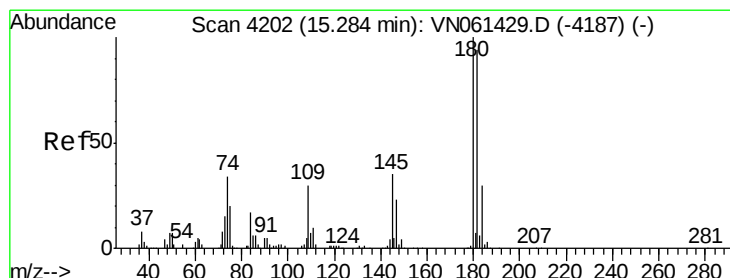
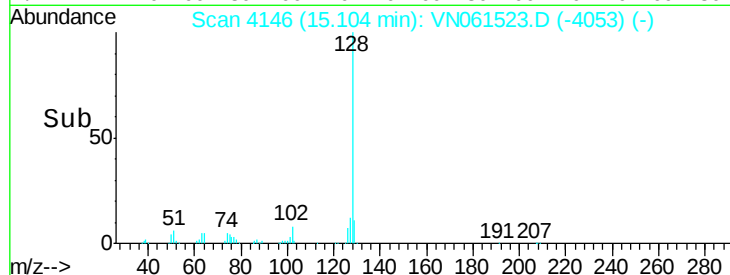
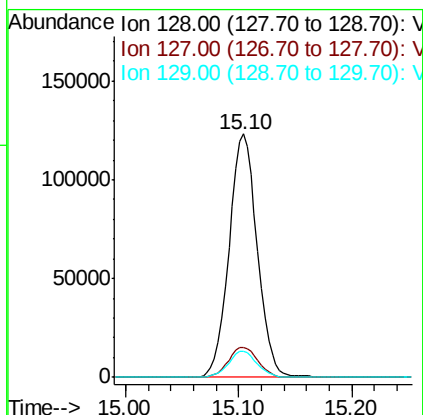
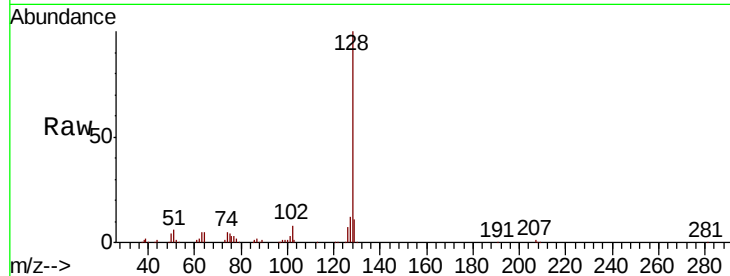




#95
Naphthalene
Concen: 18.307 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 213204
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.578 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061523.D
Acq: 21 May 2020 12:21

Tgt Ion:180 Resp: 67749
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 34.6 17.3 51.9

