

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010422\
 Data File : VD071595.D
 Acq On : 04 Jan 2022 16:12
 Operator : VA/SY
 Sample : M5340-01
 Misc : 4.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 05 01:28:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

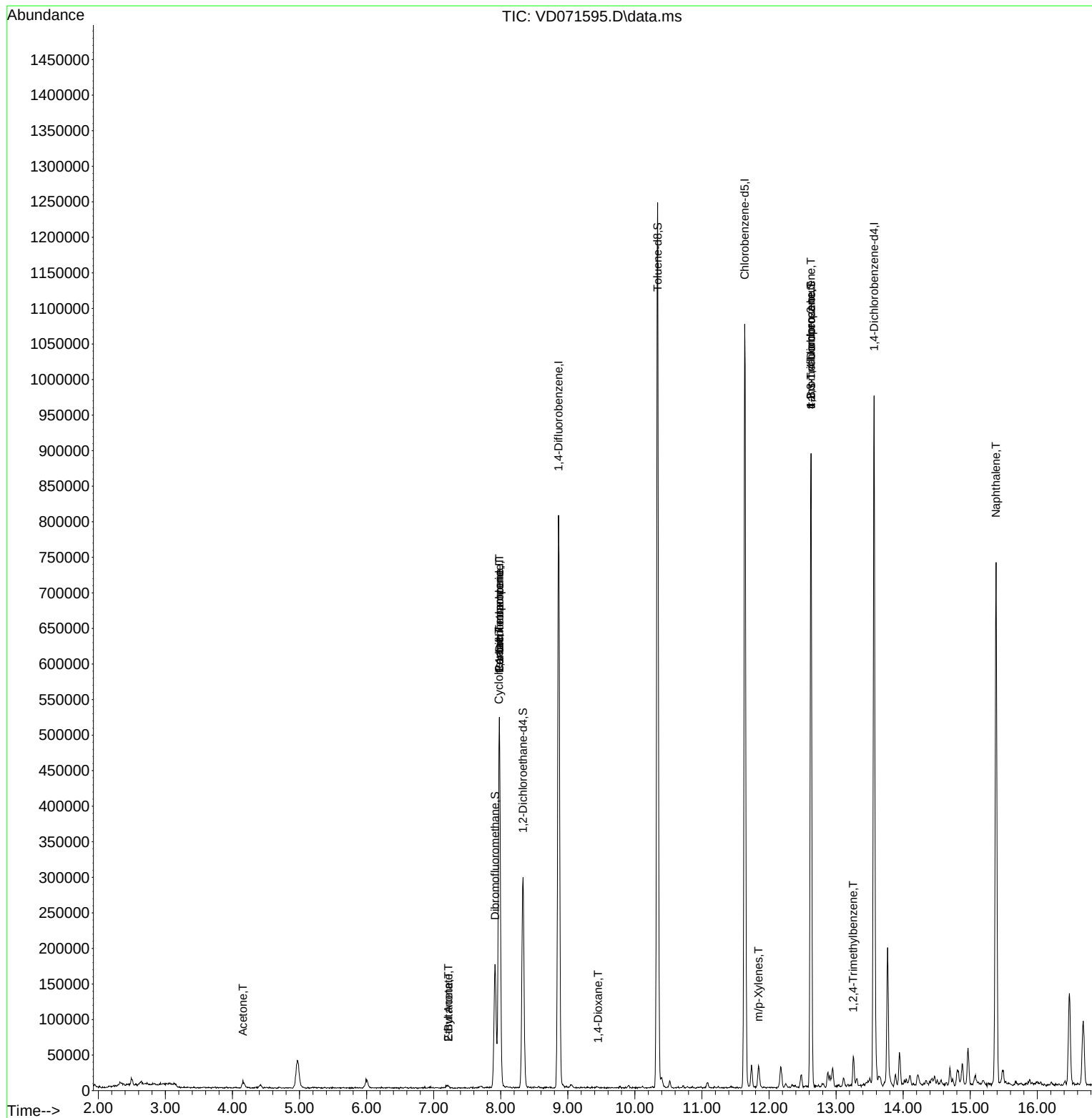
Internal Standards						
1) Pentafluorobenzene	7.979	168	354415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	645912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	566217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	232036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	234843	49.893	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.780%		
35) Dibromofluoromethane	7.914	113	116852	26.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	53.840%#		
50) Toluene-d8	10.338	98	798165	48.654	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.300%		
62) 4-Bromofluorobenzene	12.626	95	249969	42.880	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	85.760%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.203	59	215	Below Cal	#	71
16) Acetone	4.156	43	14996	12.684	ug/l	94
20) Methylene Chloride	4.967	84	28252	Below Cal	#	90
25) 2-Butanone	7.220	43	4921	3.485	ug/l	94
31) Cyclohexane	7.973	56	11189	1.399	ug/l	# 45
36) 1,1-Dichloropropene	7.979	75	32757	4.723	ug/l	# 50
37) Ethyl Acetate	7.220	43	4921	1.537	ug/l	# 66
38) Carbon Tetrachloride	7.979	117	37593	5.494	ug/l	# 17
49) 1,4-Dioxane	9.450	88	68	2.251	ug/l	# 1
68) m/p-Xylenes	11.844	106	8901	1.084	ug/l	# 84
76) 1,2,3-Trichloropropane	12.626	75	143757	52.142	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	143757	147.330	ug/l	# 18
84) 1,2,4-Trimethylbenzene	13.255	105	22887	1.567	ug/l	95
95) Naphthalene	15.385	128	594828	75.372	ug/l	99

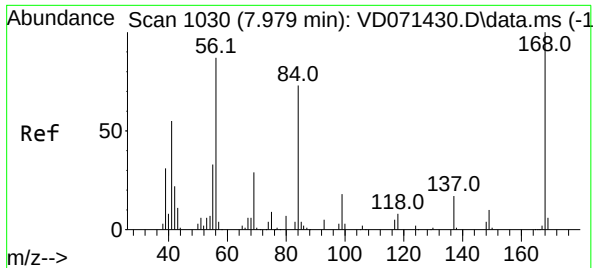
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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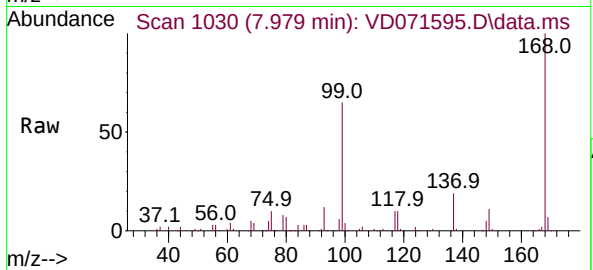
Quant Time: Jan 05 01:28:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration



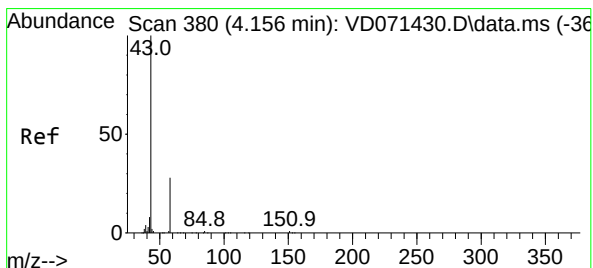
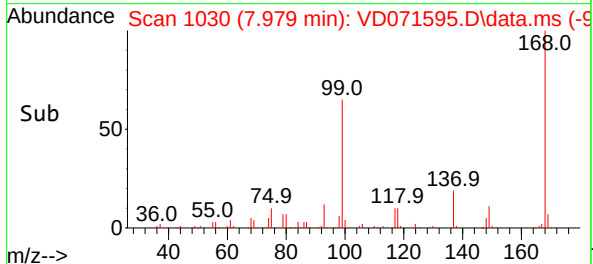
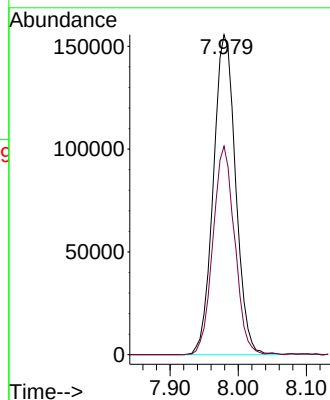


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

Instrument :
MSVOA_D
ClientSampleId :

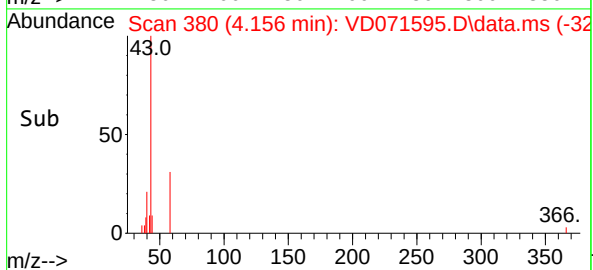
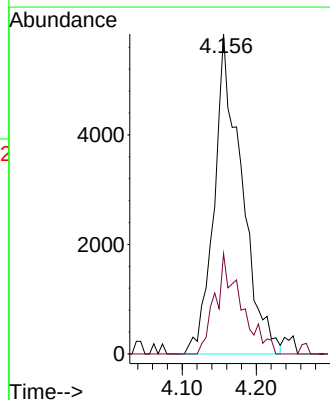
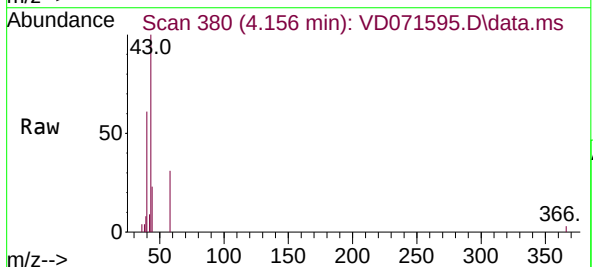


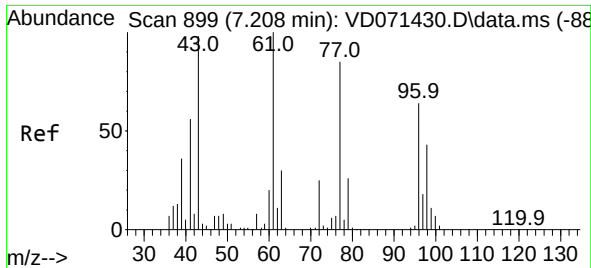
Tgt Ion:168 Resp: 354415
Ion Ratio Lower Upper
168 100
99 65.2 46.6 69.8



#16
Acetone
Concen: 12.684 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

Tgt Ion: 43 Resp: 14996
Ion Ratio Lower Upper
43 100
58 31.3 27.8 41.8

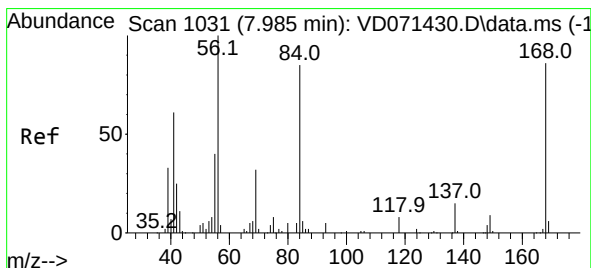
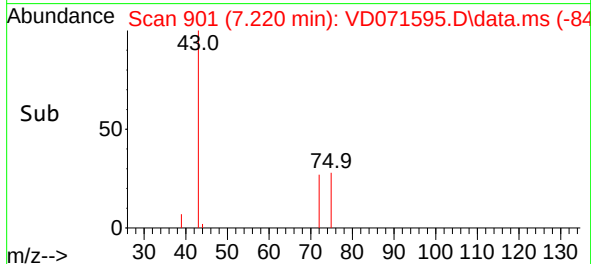
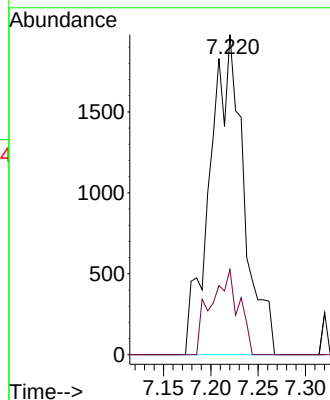
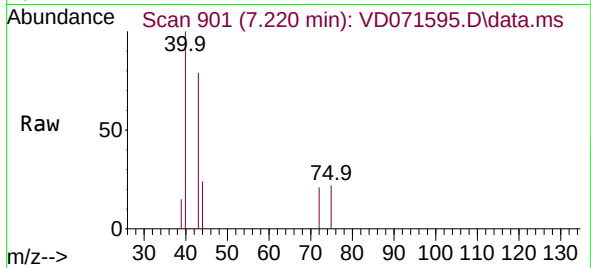




#25
2-Butanone
Concen: 3.485 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

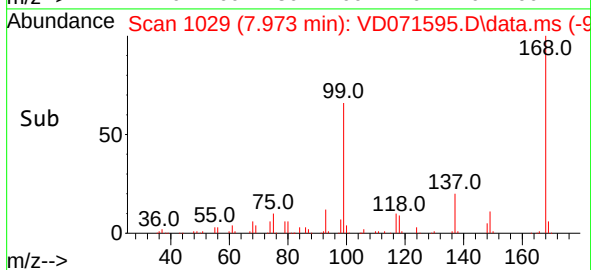
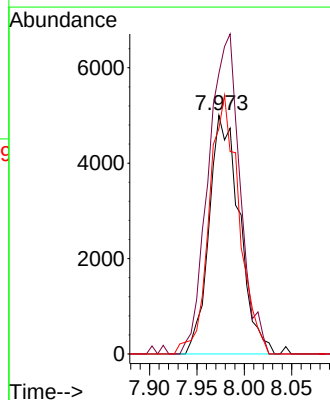
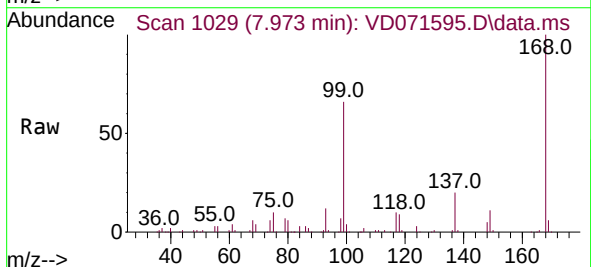
Instrument :
MSVOA_D
ClientSampleId :

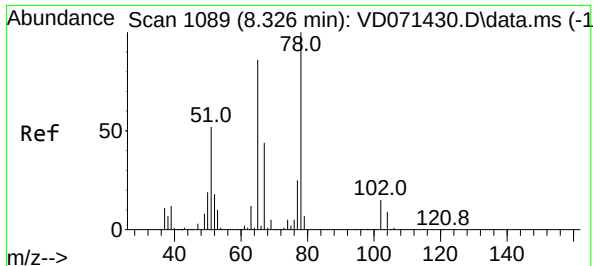
Tgt Ion: 43 Resp: 4921
Ion Ratio Lower Upper
43 100
72 26.7 23.8 35.6



#31
Cyclohexane
Concen: 1.399 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

Tgt Ion: 56 Resp: 11189
Ion Ratio Lower Upper
56 100
69 117.6 25.9 38.9#
84 94.5 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 49.893 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

Instrument :

MSVOA_D

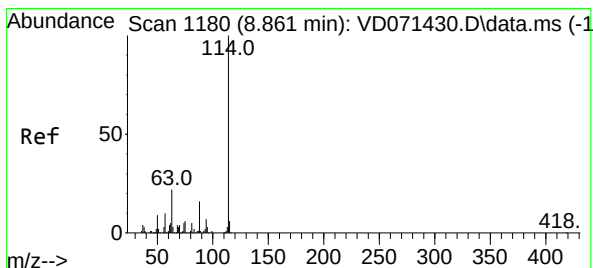
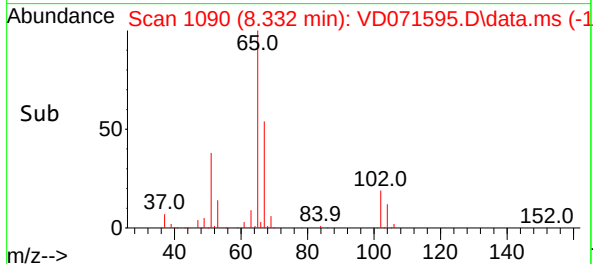
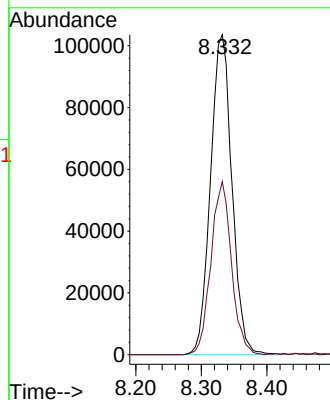
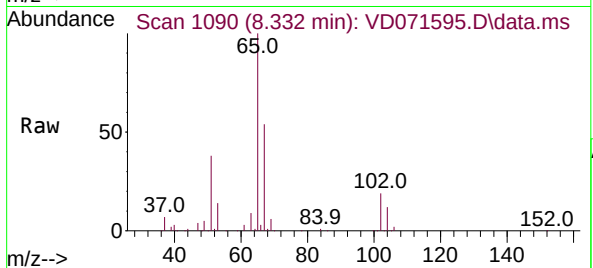
ClientSampleId :

Tgt Ion: 65 Resp: 234843

Ion Ratio Lower Upper

65 100

67 51.9 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

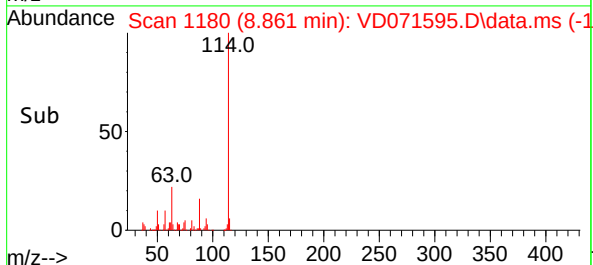
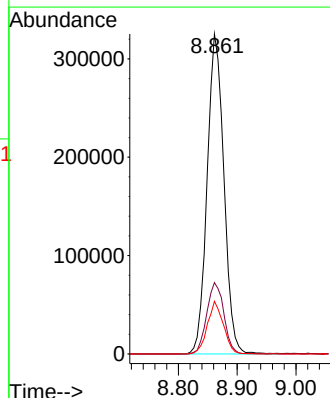
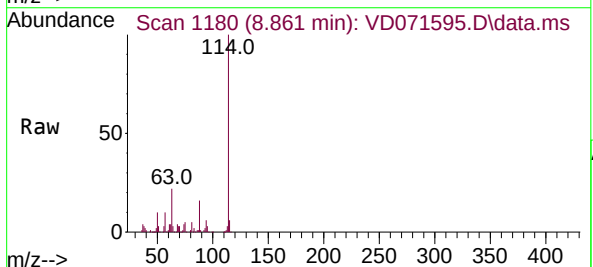
Tgt Ion:114 Resp: 645912

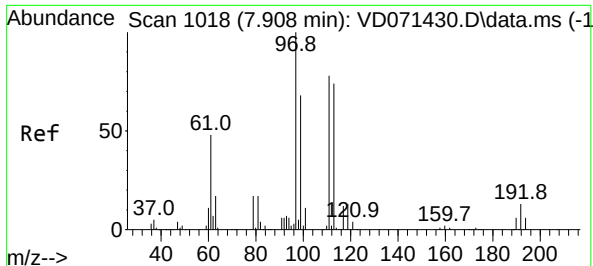
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 26.918 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

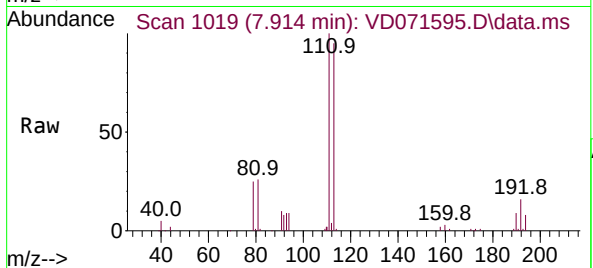
Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

Instrument :

MSVOA_D

ClientSampleId :



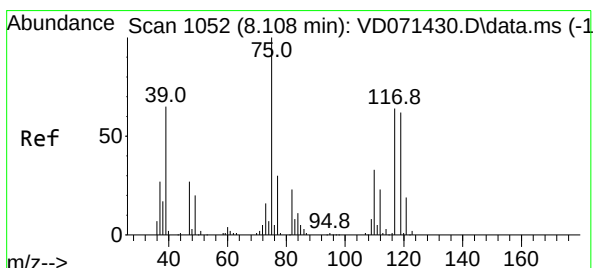
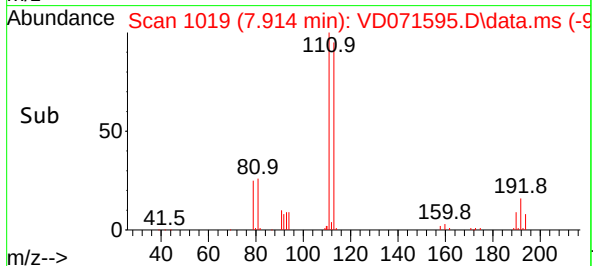
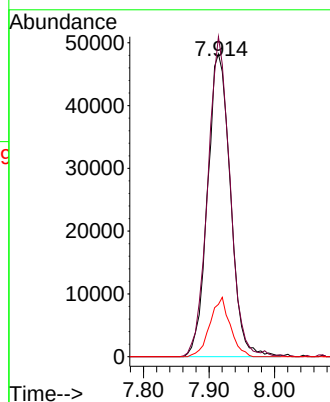
Tgt Ion:113 Resp: 116852

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 17.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

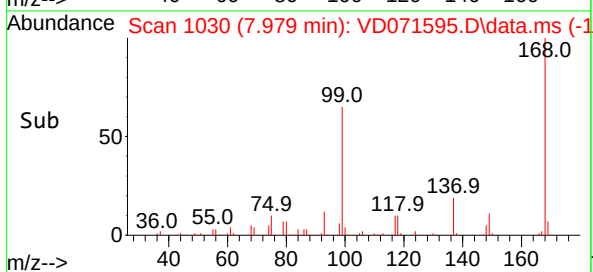
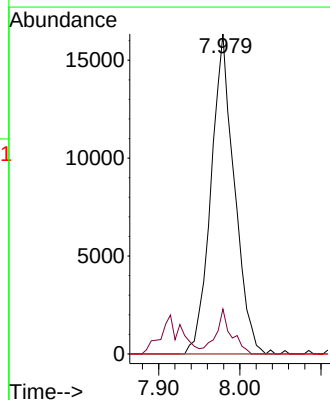
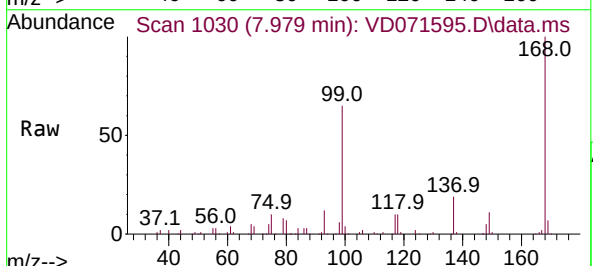
Tgt Ion: 75 Resp: 32757

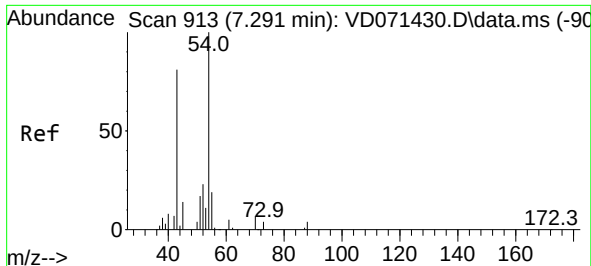
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.537 ug/l

RT: 7.220 min Scan# 901

Delta R.T. -0.065 min

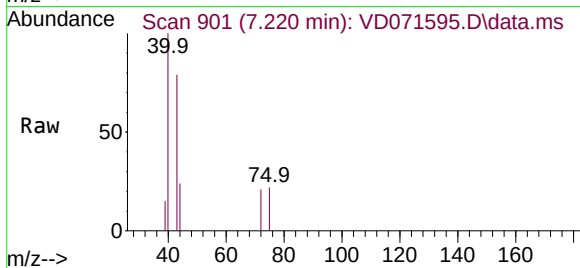
Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

Instrument :

MSVOA_D

ClientSampleId :



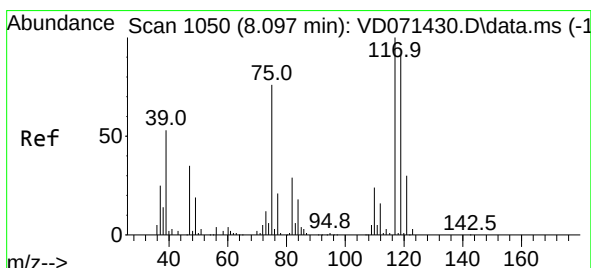
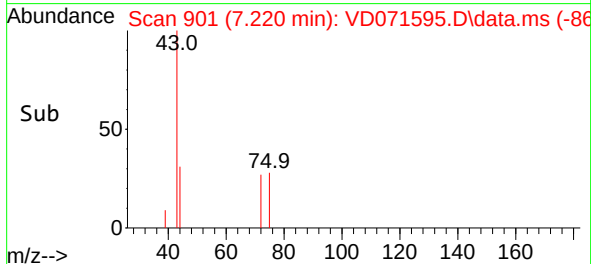
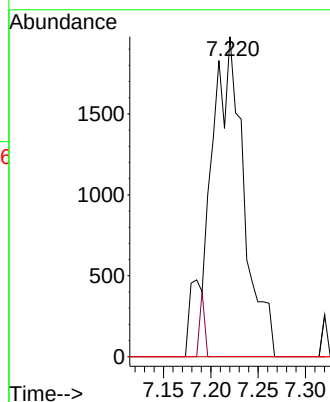
Tgt Ion: 43 Resp: 4921

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

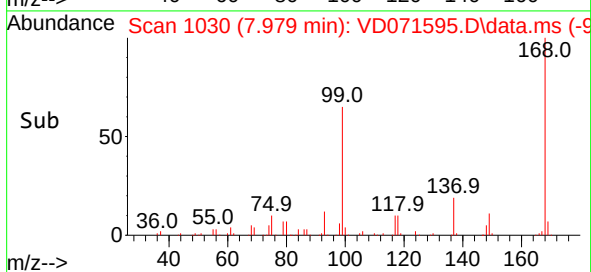
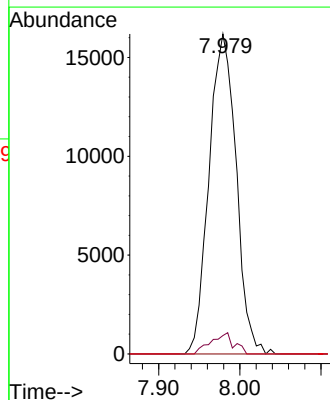
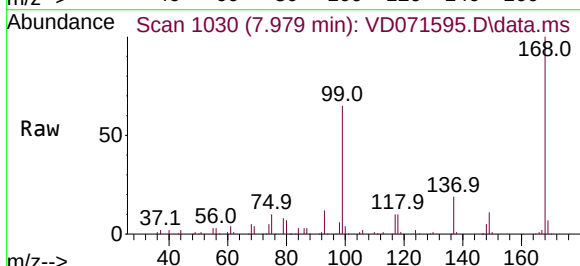
Tgt Ion: 117 Resp: 37593

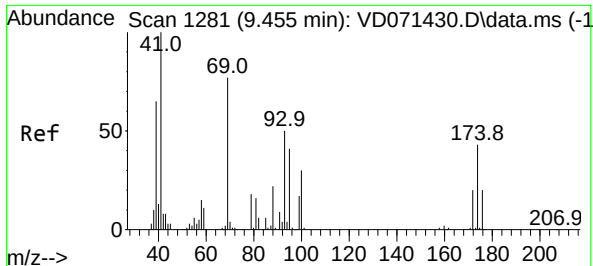
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 23.6 35.4#





#49

1,4-Dioxane

Concen: 2.251 ug/l

RT: 9.450 min Scan# 1

Delta R.T. -0.005 min

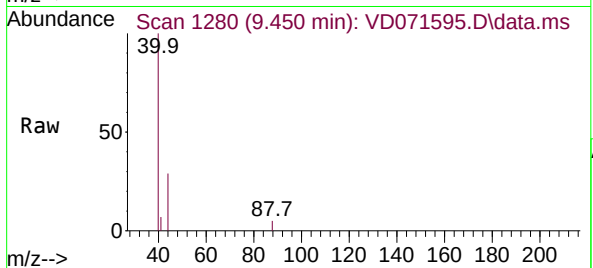
Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

Instrument :

MSVOA_D

ClientSampleId :



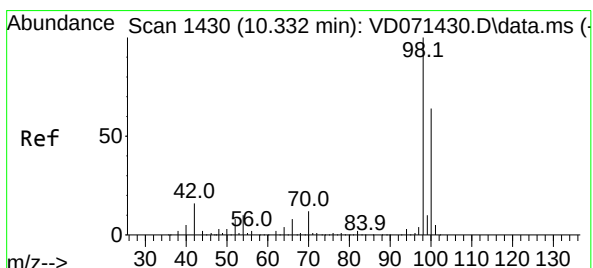
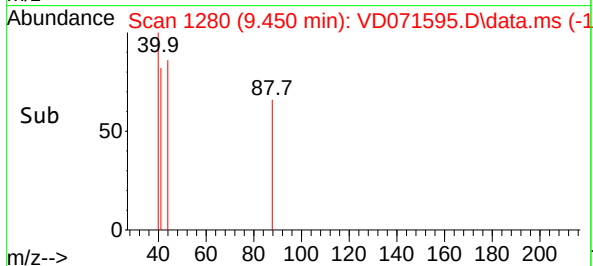
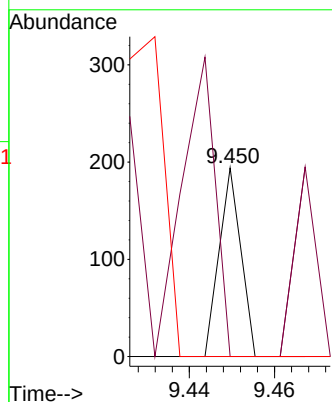
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 247.1 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 48.654 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VD071595.D

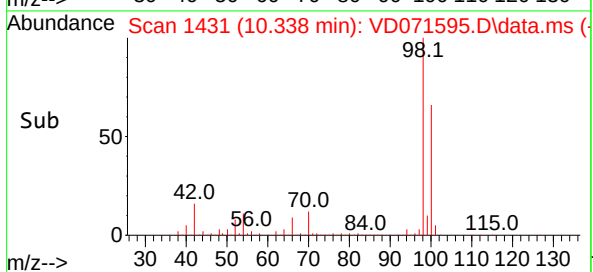
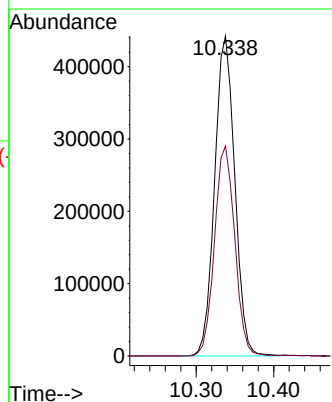
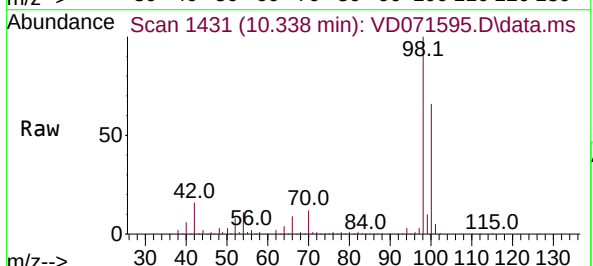
Acq: 04 Jan 2022 16:12

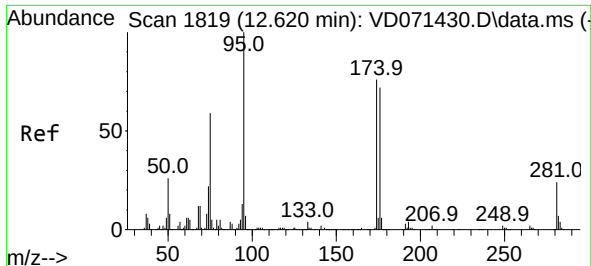
Tgt Ion: 98 Resp: 798165

Ion Ratio Lower Upper

98 100

100 66.1 51.8 77.6

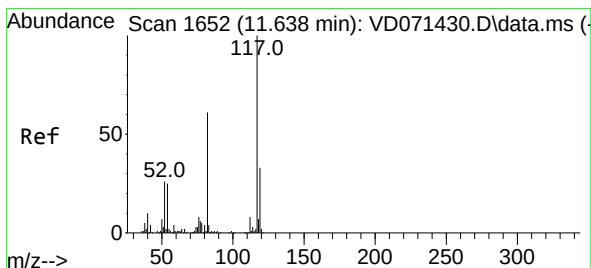
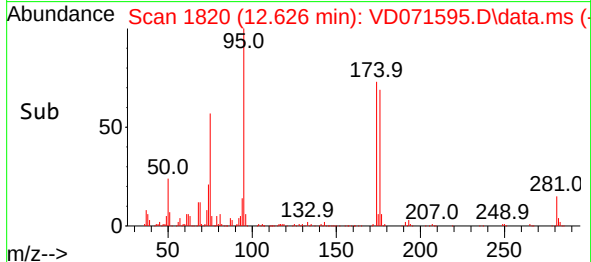
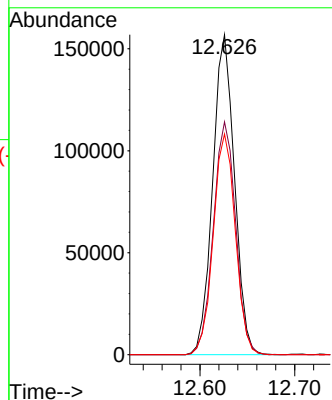
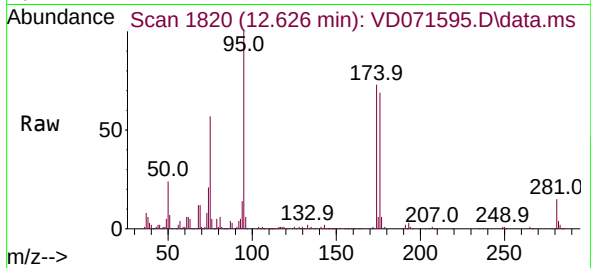




#62
4-Bromofluorobenzene
Concen: 42.880 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

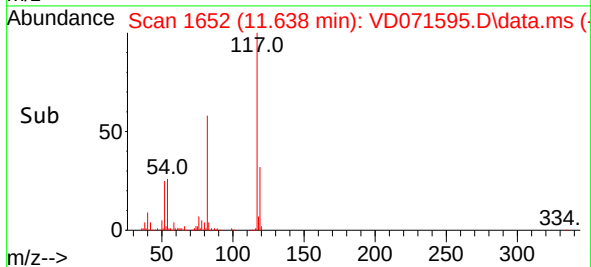
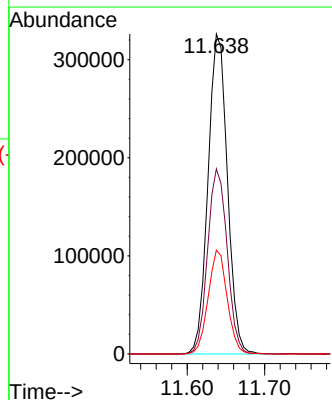
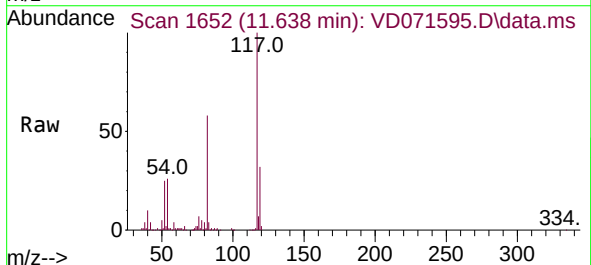
Instrument :
MSVOA_D
ClientSampleId :

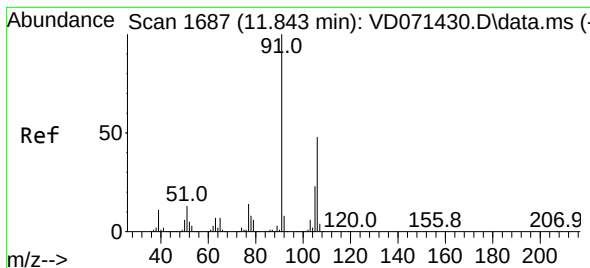
Tgt Ion: 95 Resp: 249969
Ion Ratio Lower Upper
95 100
174 74.5 0.0 159.4
176 70.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

Tgt Ion:117 Resp: 566217
Ion Ratio Lower Upper
117 100
82 57.8 44.7 67.1
119 32.5 26.2 39.4





#68

m/p-Xylenes

Concen: 1.084 ug/l

RT: 11.844 min Scan# 1

Delta R.T. 0.001 min

Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

Instrument :

MSVOA_D

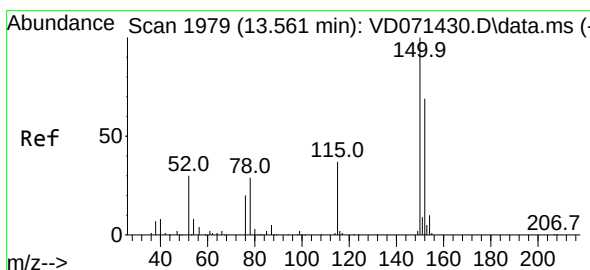
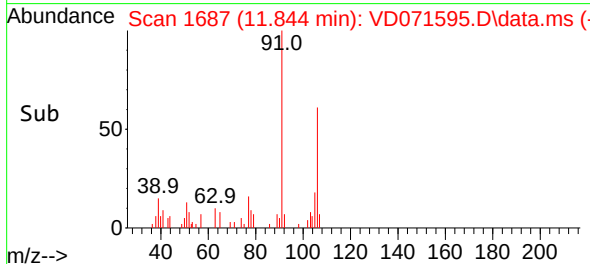
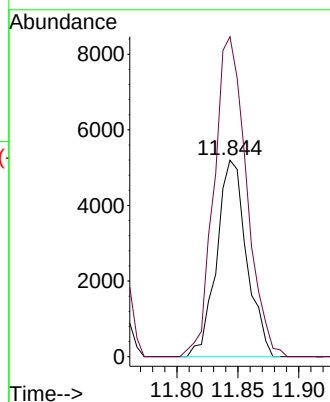
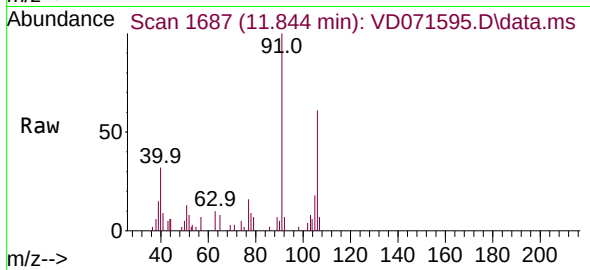
ClientSampleId :

Tgt Ion:106 Resp: 8901

Ion Ratio Lower Upper

106 100

91 176.5 160.1 240.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.006 min

Lab File: VD071595.D

Acq: 04 Jan 2022 16:12

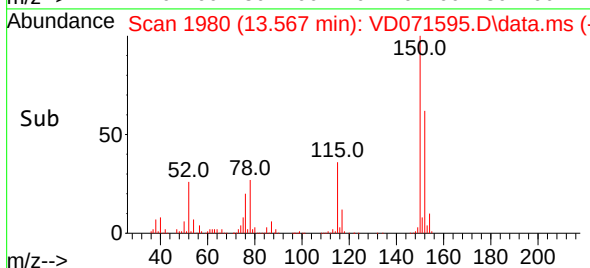
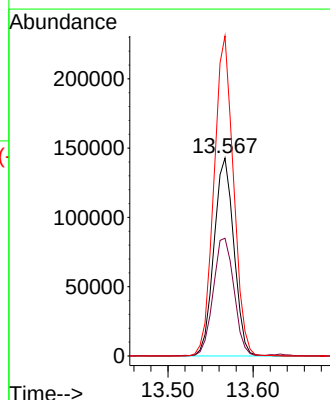
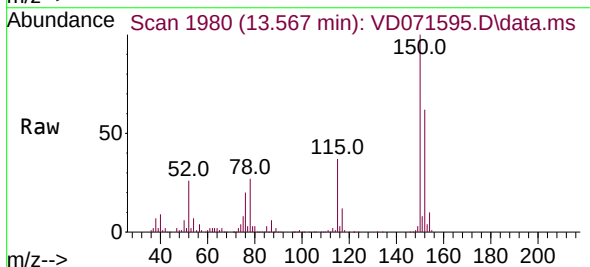
Tgt Ion:152 Resp: 232036

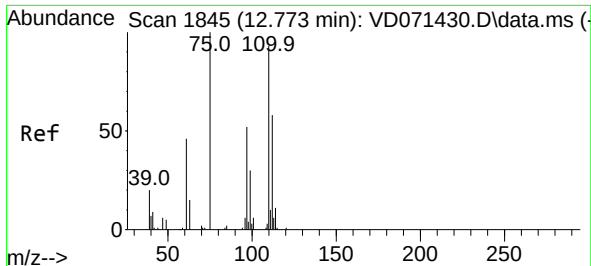
Ion Ratio Lower Upper

152 100

115 62.3 29.8 89.3

150 158.7 0.0 349.2

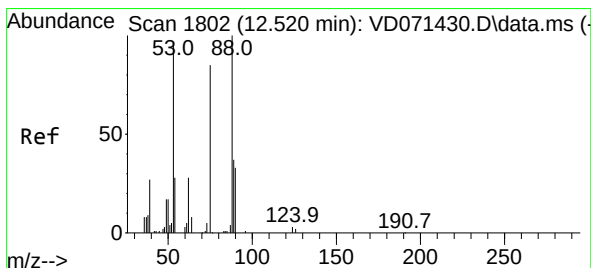
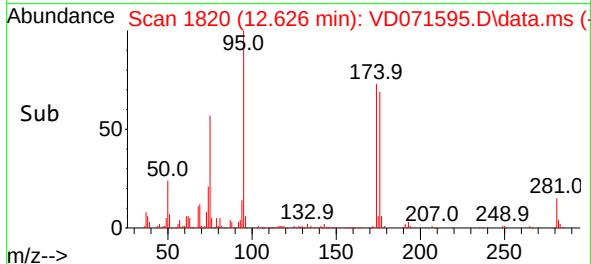
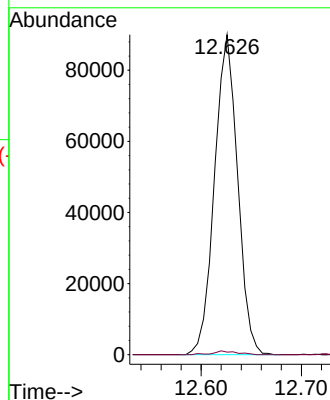
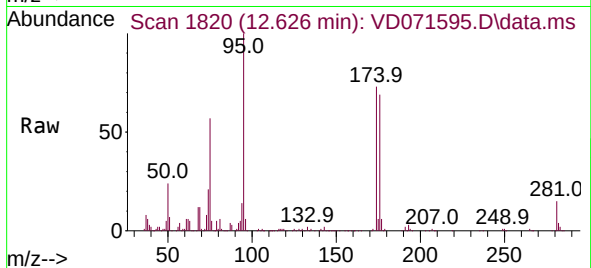




#76
1,2,3-Trichloropropane
Concen: 52.142 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

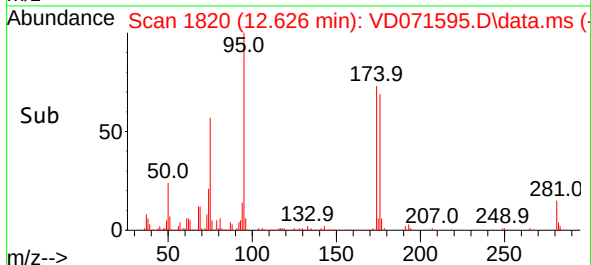
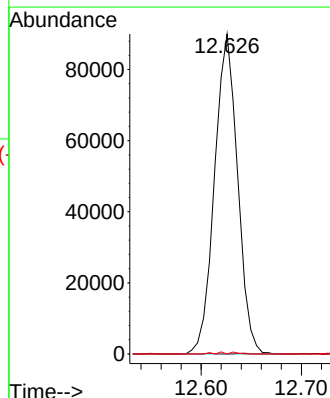
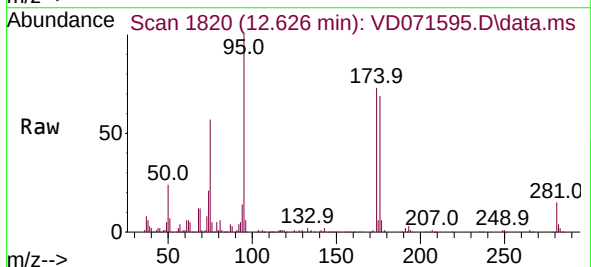
Instrument :
MSVOA_D
ClientSampleId :

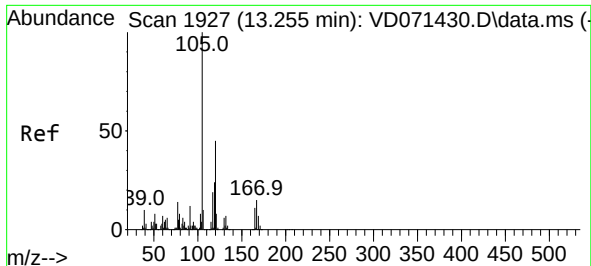
Tgt Ion: 75 Resp: 143757
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.330 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

Tgt Ion: 75 Resp: 143757
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.2 34.5 51.7#

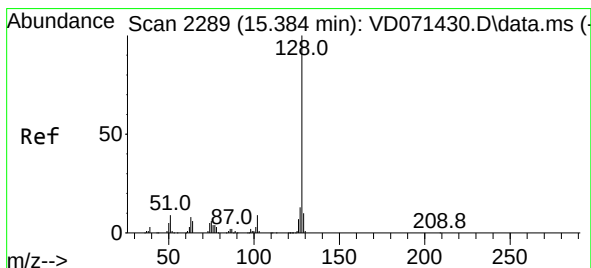
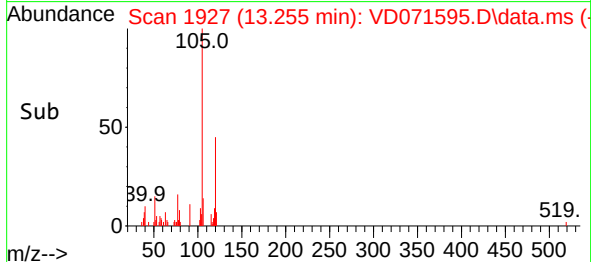
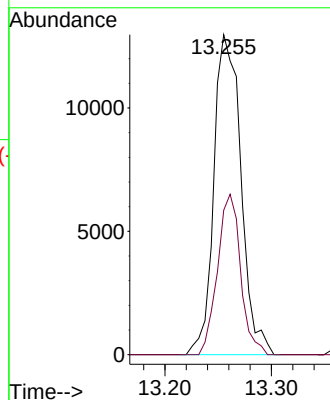
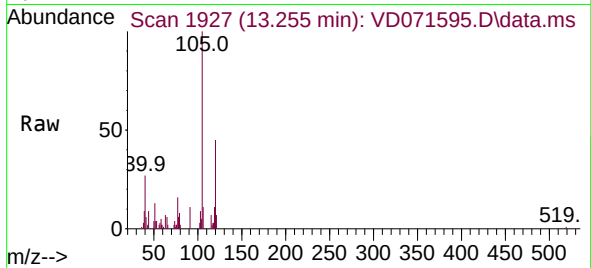




#84
1,2,4-Trimethylbenzene
Concen: 1.567 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:105 Resp: 22887
Ion Ratio Lower Upper
105 100
120 42.7 22.9 68.7



#95
Naphthalene
Concen: 75.372 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VD071595.D
Acq: 04 Jan 2022 16:12

Tgt Ion:128 Resp: 594828
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.9 8.7 13.1

