

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
 Data File : VD071796.D
 Acq On : 27 Jan 2022 12:39
 Operator : VA/SY
 Sample : N1208-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP25-07-20220119-22.5-23.0

Quant Time: Jan 27 15:38:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

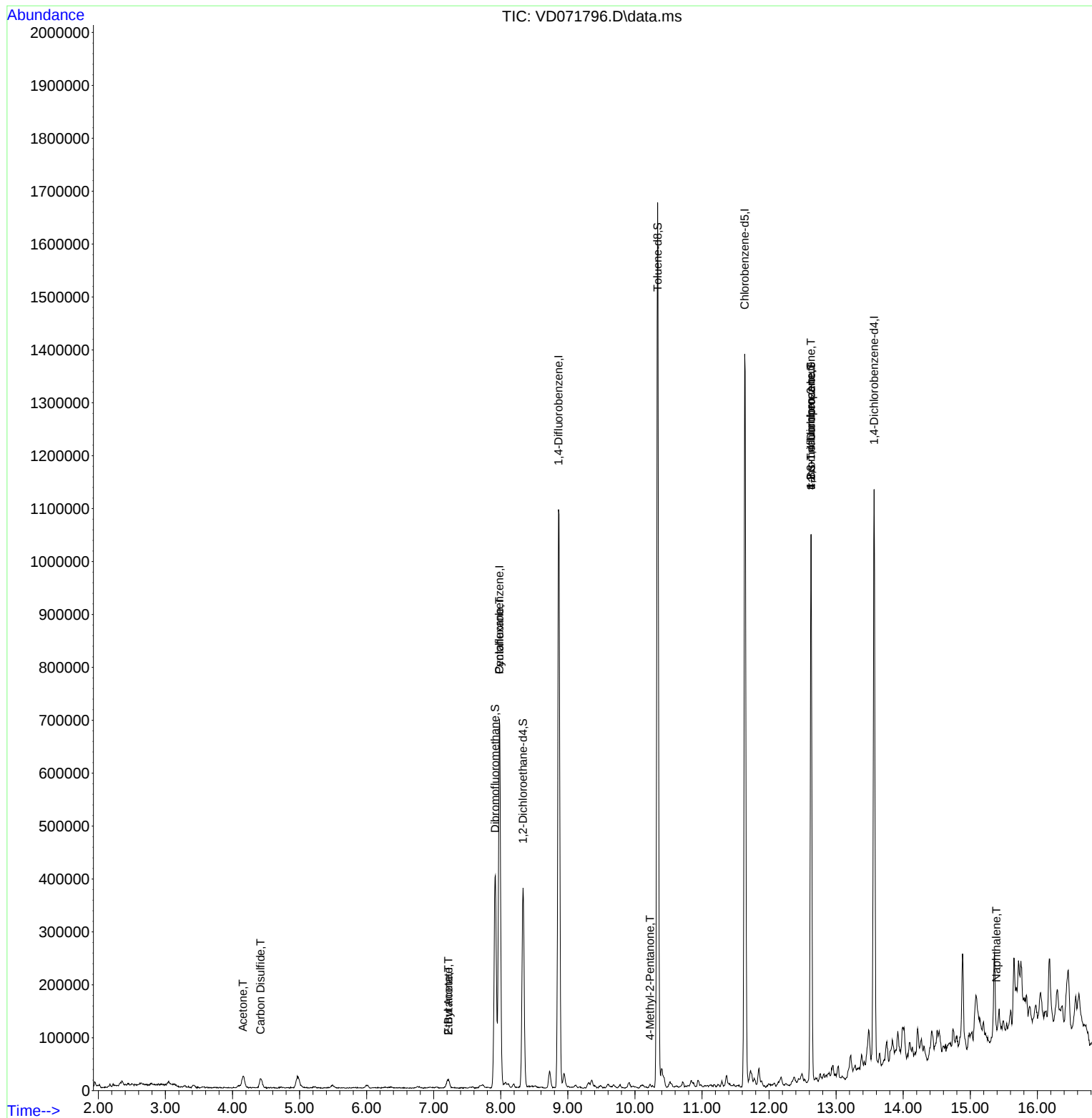
Internal Standards						
1) Pentafluorobenzene	7.979	168	477318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	898627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	761508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	278031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	310896	51.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.060%	
35) Dibromofluoromethane	7.914	113	286746	48.544	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.080%	
50) Toluene-d8	10.338	98	1082888	49.087	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.180%	
62) 4-Bromofluorobenzene	12.626	95	320537	41.608	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.244	59	1447	Below Cal		97
16) Acetone	4.156	43	38738	23.456	ug/l	90
17) Carbon Disulfide	4.420	76	35461	1.939	ug/l	98
20) Methylene Chloride	4.979	84	14877	Below Cal		98
25) 2-Butanone	7.220	43	12203	6.338	ug/l	96
31) Cyclohexane	7.979	56	17531	1.522	ug/l #	5
37) Ethyl Acetate	7.220	43	12203	2.589	ug/l #	85
51) 4-Methyl-2-Pentanone	10.226	43	4555	1.027	ug/l	95
76) 1,2,3-Trichloropropane	12.626	75	176104	60.102	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	176104	147.776	ug/l #	7
95) Naphthalene	15.390	128	11403	2.600	ug/l #	70

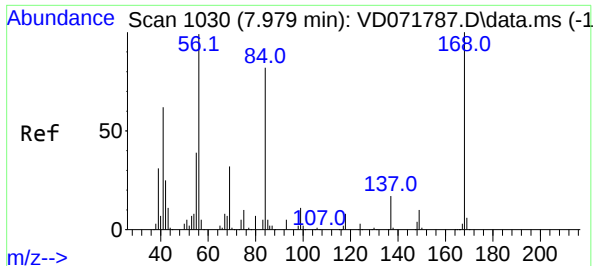
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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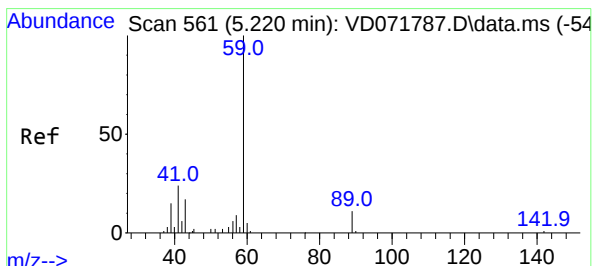
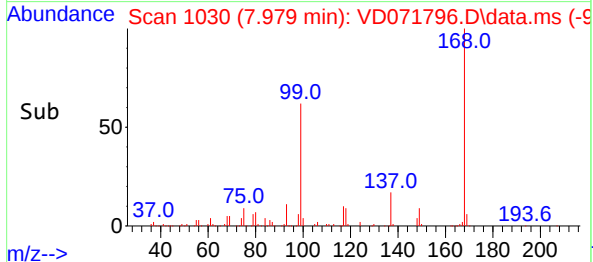
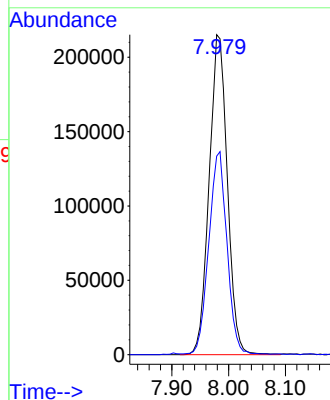
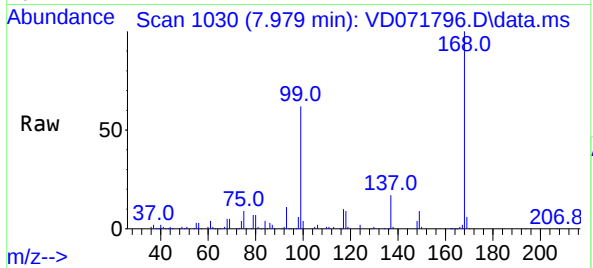




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

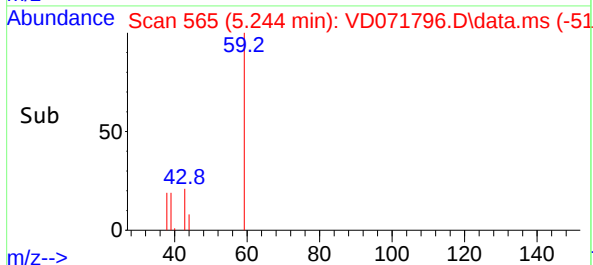
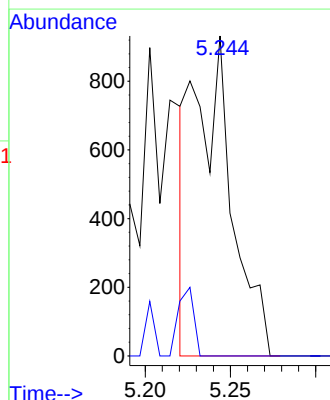
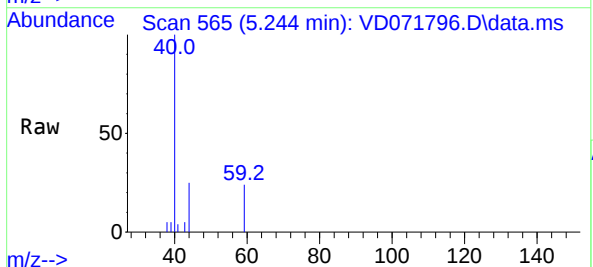
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-22.5-23.0

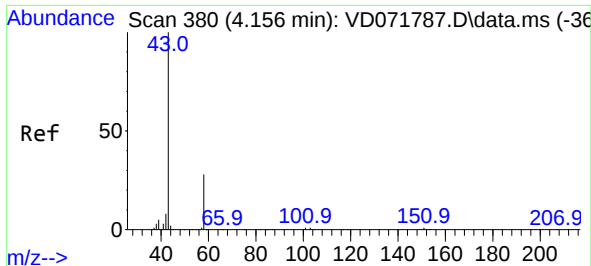
Tgt Ion:168 Resp: 477318
Ion Ratio Lower Upper
168 100
99 61.8 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.244 min Scan# 565
Delta R.T. 0.023 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Tgt Ion: 59 Resp: 1447
Ion Ratio Lower Upper
59 100
57 8.8 7.8 11.6

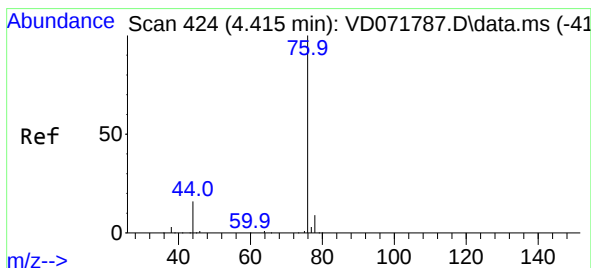
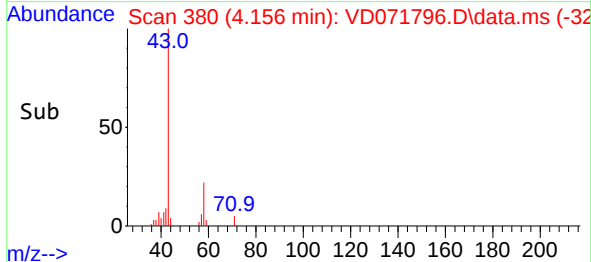
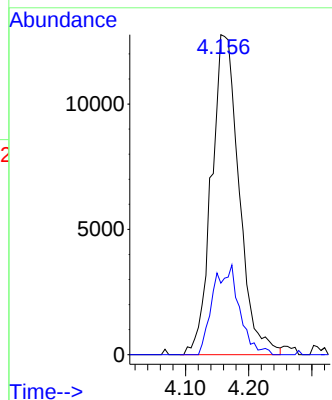
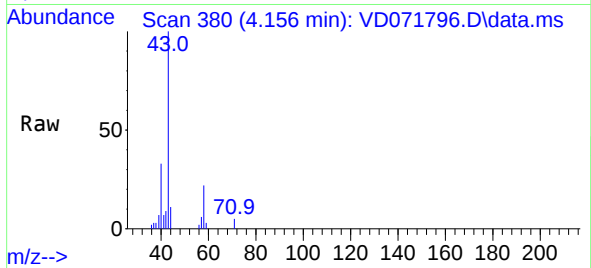




#16
Acetone
Concen: 23.456 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

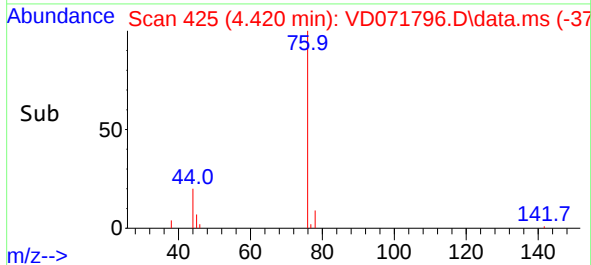
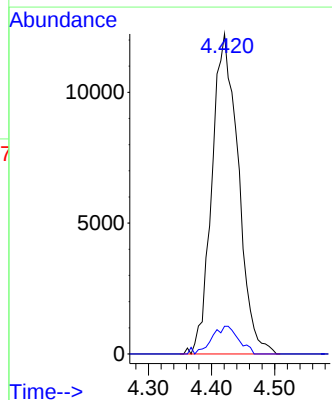
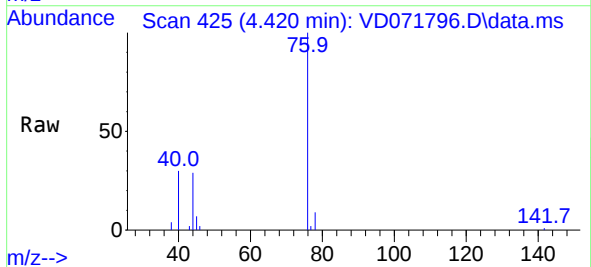
Instrument :
MSVOA_D
ClientSampleId :
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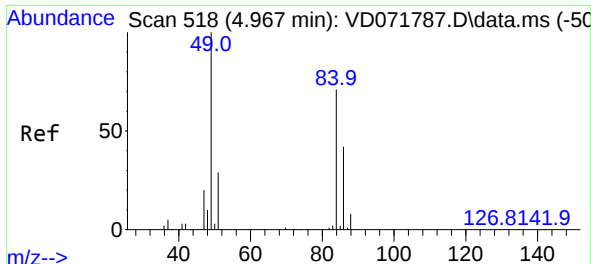
Tgt Ion: 43 Resp: 38738
Ion Ratio Lower Upper
43 100
58 22.4 22.1 33.1



#17
Carbon Disulfide
Concen: 1.939 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.006 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Tgt Ion: 76 Resp: 35461
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



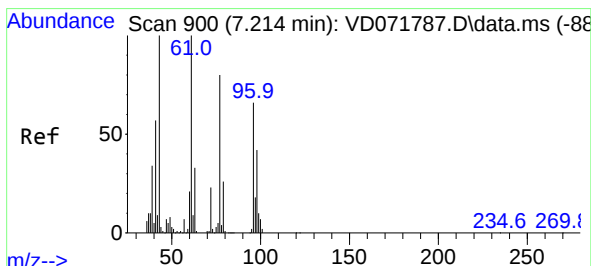
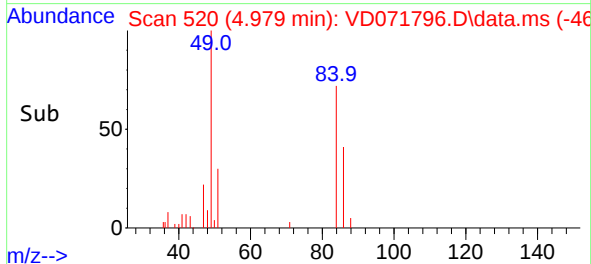
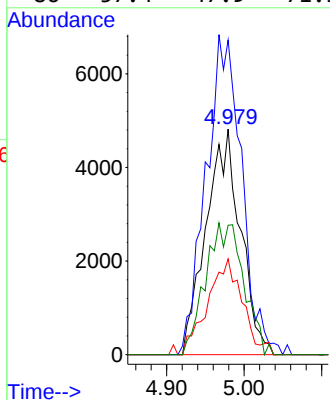
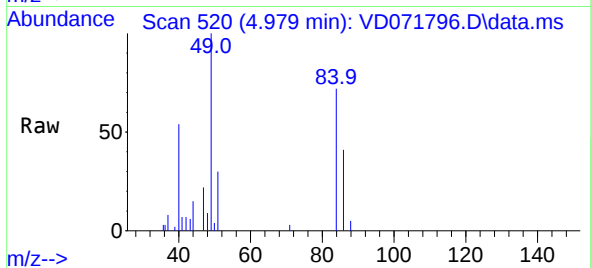


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.012 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-22.5-23.0

Tgt Ion: 84 Resp: 14877

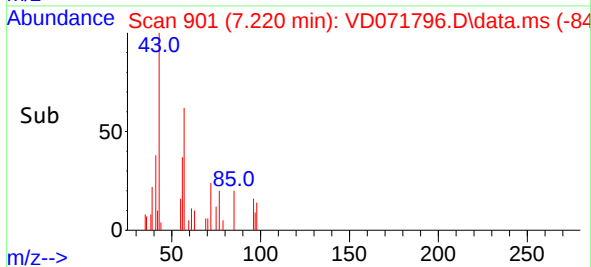
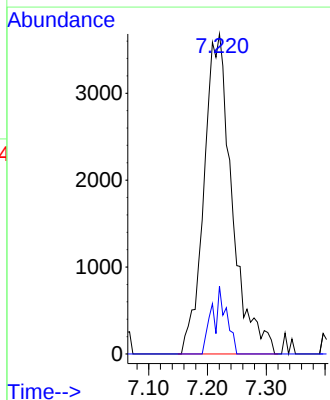
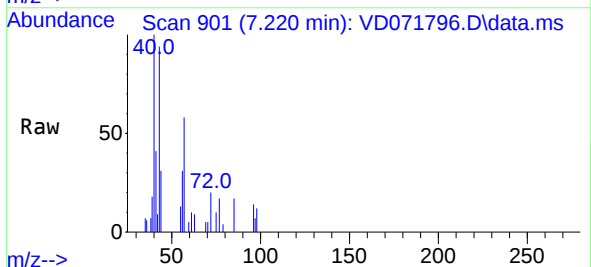
Ion	Ratio	Lower	Upper
84	100		
49	139.4	112.8	169.2
51	42.5	32.6	48.8
86	57.4	47.9	71.9

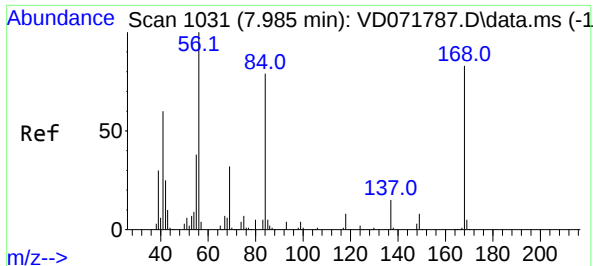


#25
2-Butanone
Concen: 6.338 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Tgt Ion: 43 Resp: 12203

Ion	Ratio	Lower	Upper
43	100		
72	21.2	18.6	27.8





#31

Cyclohexane

Concen: 1.522 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD071796.D

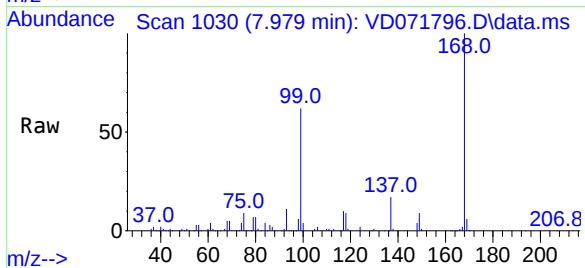
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Instrument :

MSVOA_D

ClientSampleId :

SP25-07-20220119-22.5-23.0



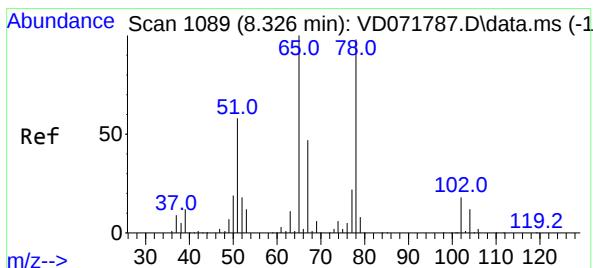
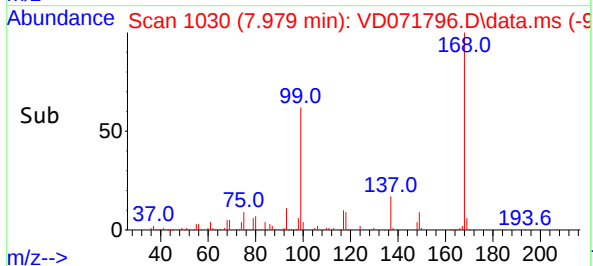
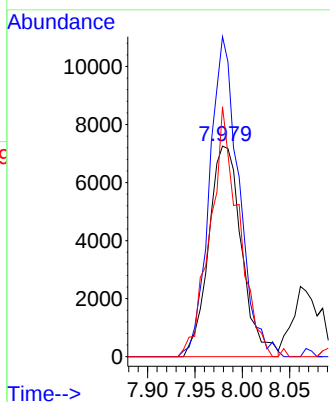
Tgt Ion: 56 Resp: 17531

Ion Ratio Lower Upper

56 100

69 152.0 25.4 38.2#

84 118.7 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 51.532 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071796.D

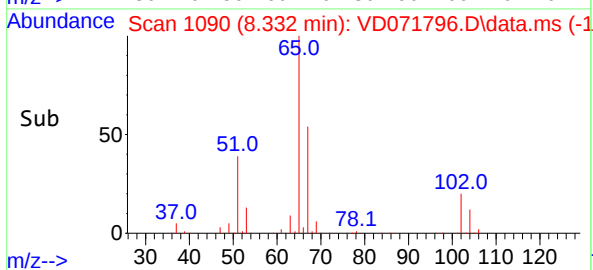
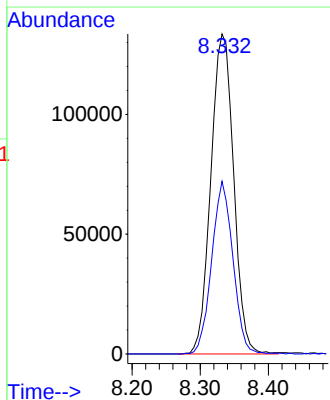
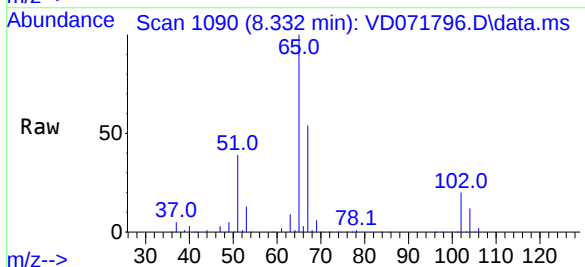
Acq: 27 Jan 2022 12:39

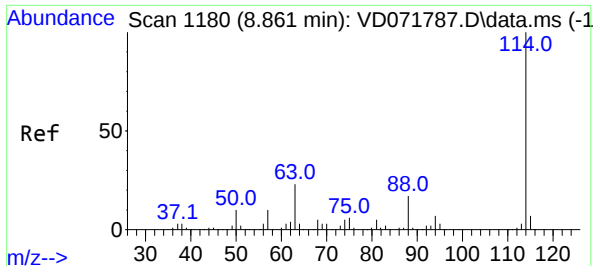
Tgt Ion: 65 Resp: 310896

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071796.D

Acq: 27 Jan 2022 12:39

Instrument :

MSVOA_D

ClientSampleId :

SP25-07-20220119-22.5-23.0

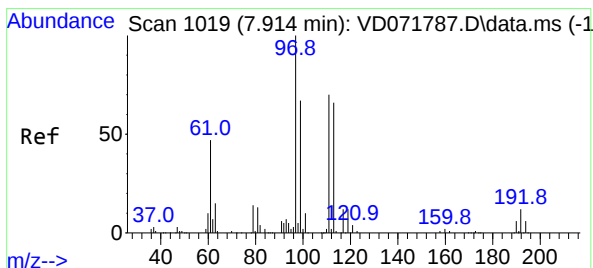
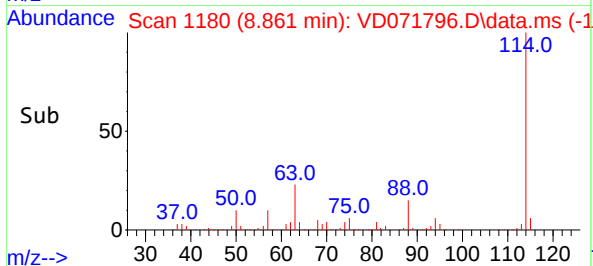
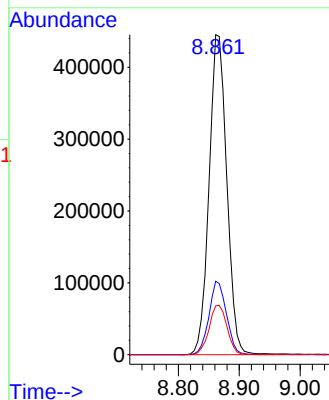
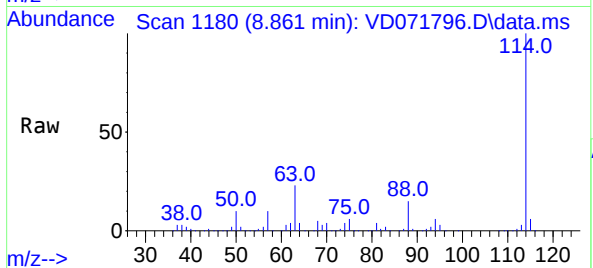
Tgt Ion:114 Resp: 898627

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.544 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071796.D

Acq: 27 Jan 2022 12:39

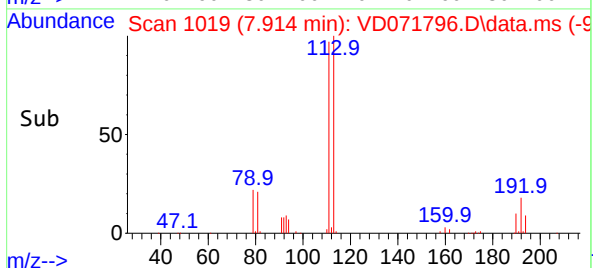
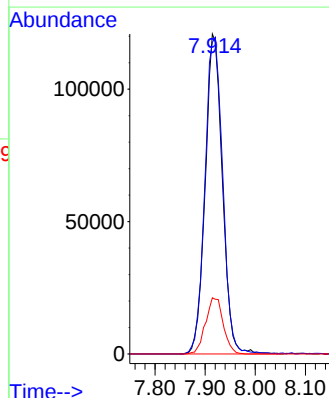
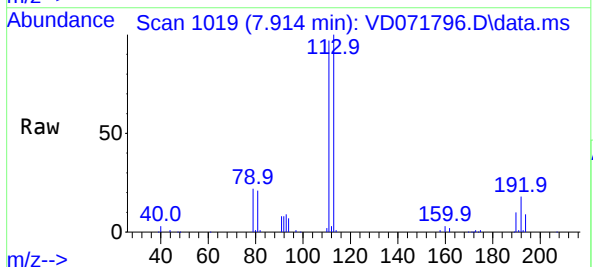
Tgt Ion:113 Resp: 286746

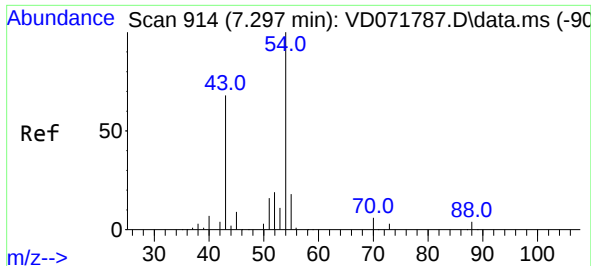
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 18.1 14.6 21.8

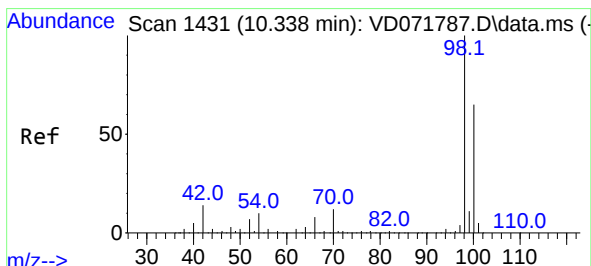
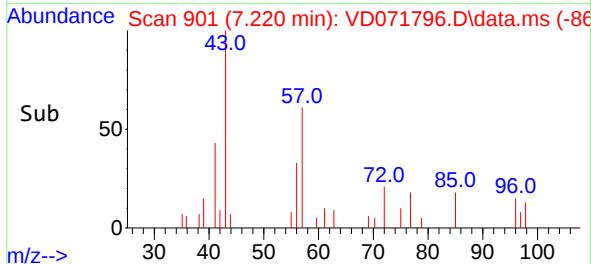
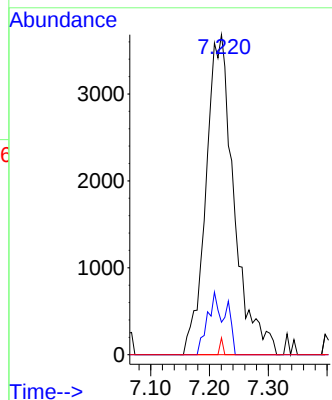
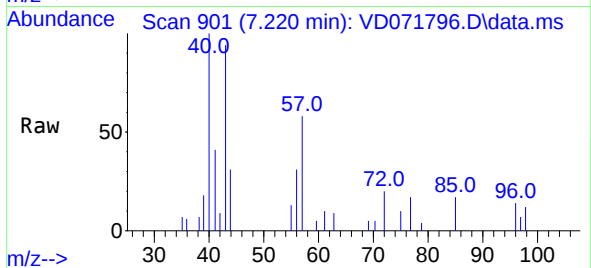




#37
Ethyl Acetate
Concen: 2.589 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.077 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

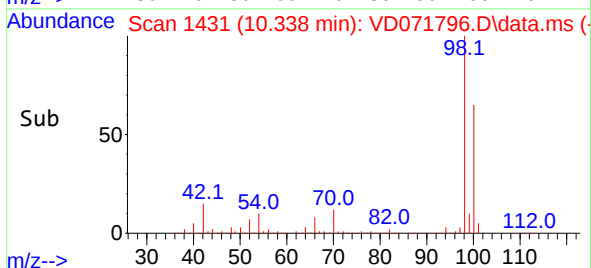
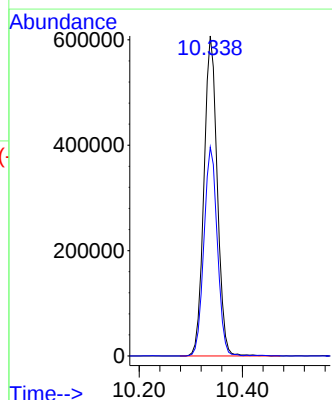
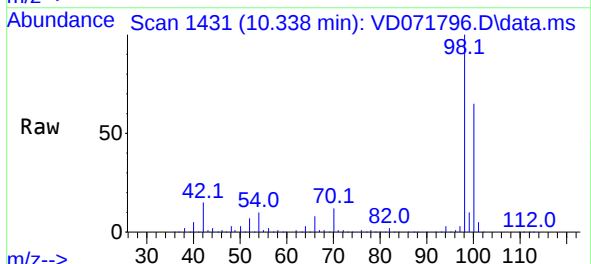
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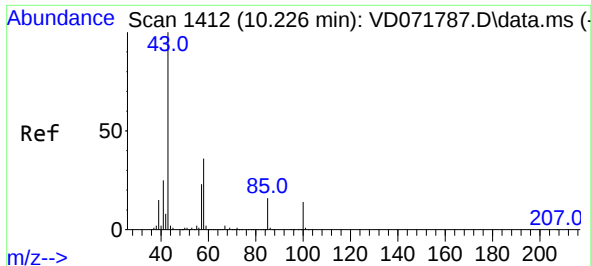
Tgt Ion: 43 Resp: 12203
Ion Ratio Lower Upper
43 100
61 8.6 9.8 14.8#
70 0.6 6.9 10.3#



#50
Toluene-d8
Concen: 49.087 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Tgt Ion: 98 Resp: 1082888
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6

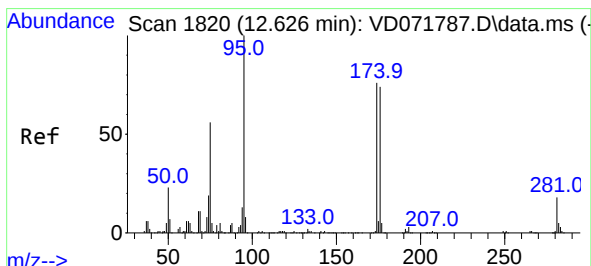
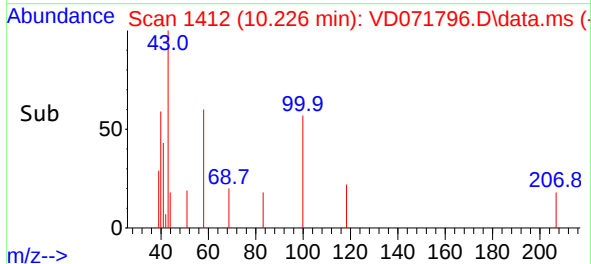
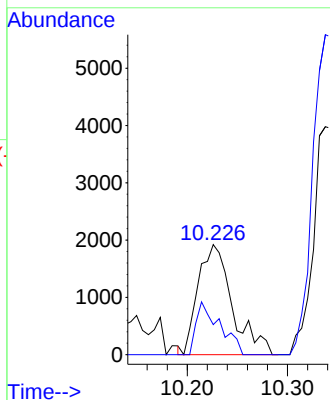
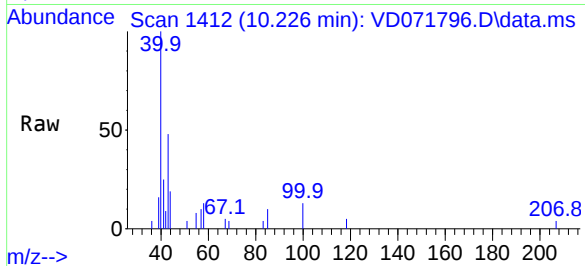




#51
4-Methyl-2-Pentanone
Concen: 1.027 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

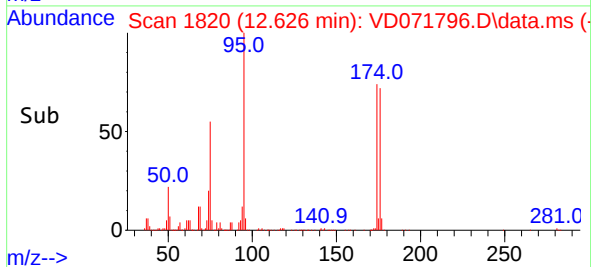
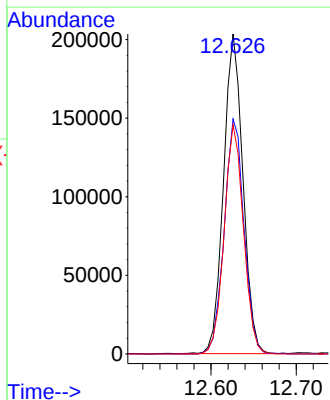
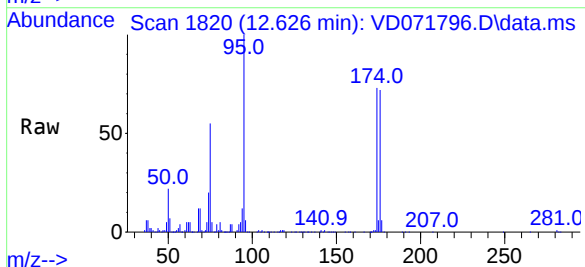
Instrument : MSVOA_D
ClientSampleId : SP25-07-20220119-22.5-23.0

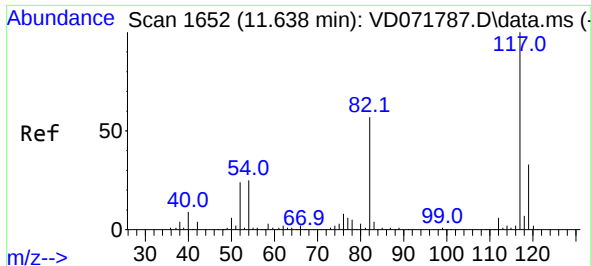
Tgt Ion: 43 Resp: 4555
Ion Ratio Lower Upper
43 100
58 33.1 28.6 43.0



#62
4-Bromofluorobenzene
Concen: 41.608 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Tgt Ion: 95 Resp: 320537
Ion Ratio Lower Upper
95 100
174 75.2 0.0 152.8
176 71.6 0.0 145.4

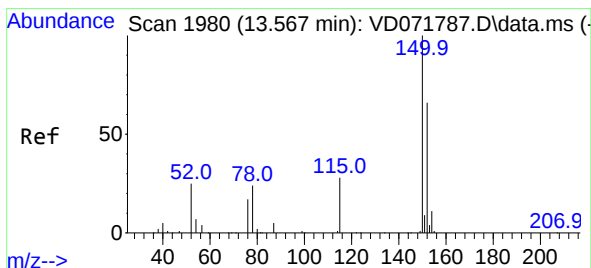
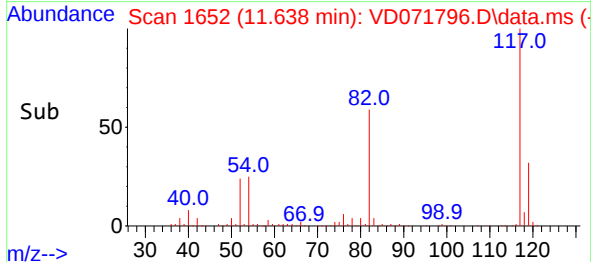
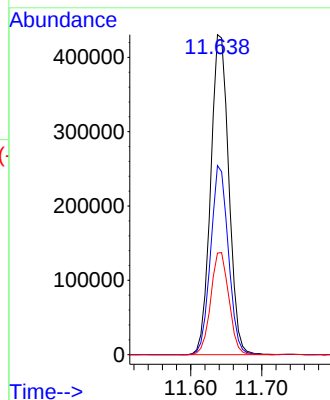
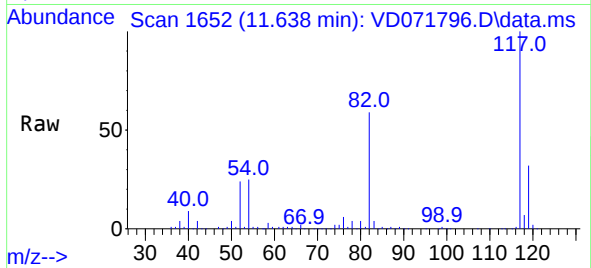




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

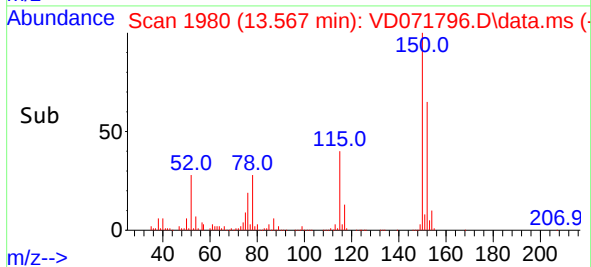
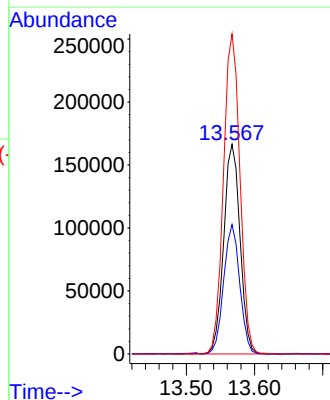
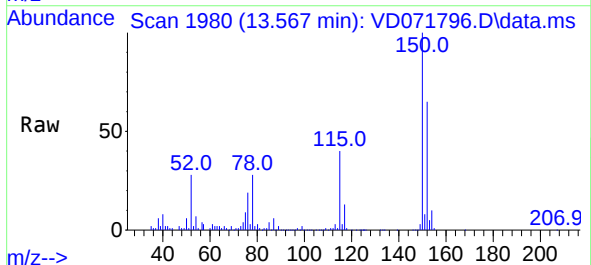
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-22.5-23.0

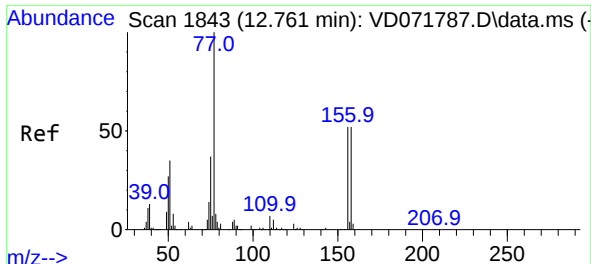
Tgt Ion:117 Resp: 761508
Ion Ratio Lower Upper
117 100
82 59.1 45.3 67.9
119 31.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Tgt Ion:152 Resp: 278031
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 154.0 0.0 348.6

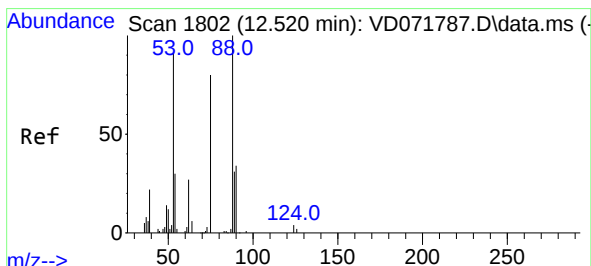
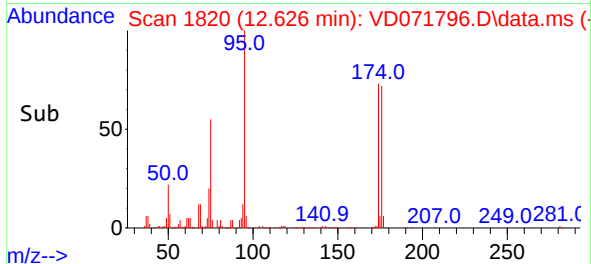
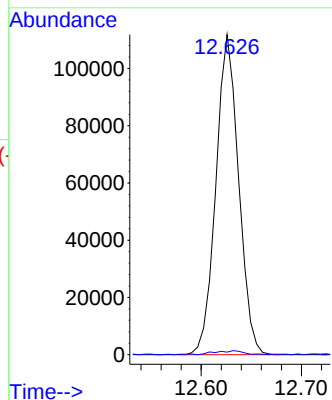
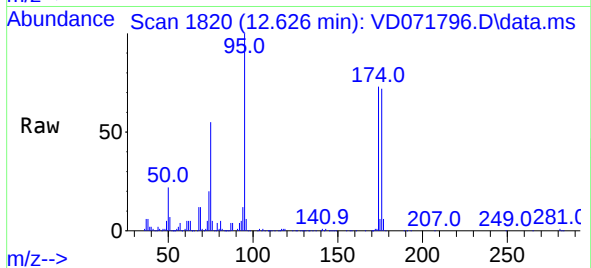




#76
1,2,3-Trichloropropane
Concen: 60.102 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

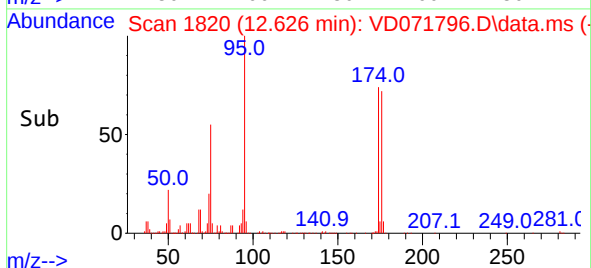
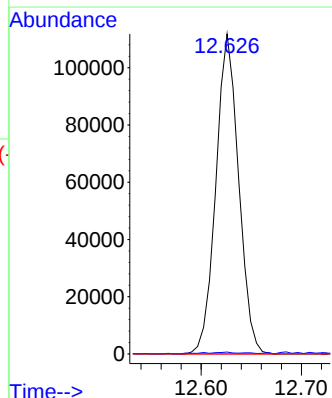
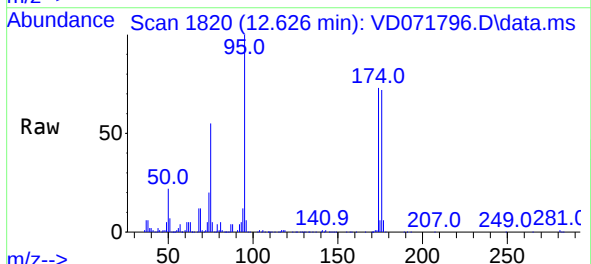
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-22.5-23.0

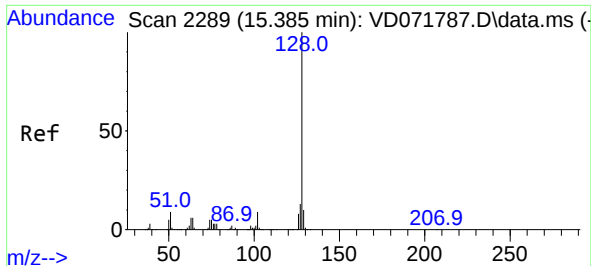
Tgt Ion: 75 Resp: 176104
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.776 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

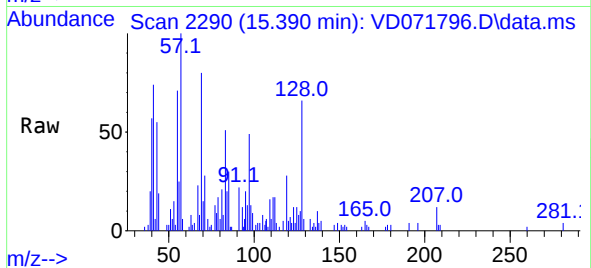
Tgt Ion: 75 Resp: 176104
Ion Ratio Lower Upper
75 100
53 0.8 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 2.600 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD071796.D
Acq: 27 Jan 2022 12:39

Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-22.5-23.0



Tgt Ion:128 Resp: 11403
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

