

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081922\
 Data File : VD074156.D
 Acq On : 19 Aug 2022 18:55
 Operator : VA/SY
 Sample : N4227-01
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: Aug 20 01:27:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 19 09:25:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	135202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	243277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	230133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	97883	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	65755	67.509	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.020%
35) Dibromofluoromethane	7.909	113	81260	69.788	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	139.580%
50) Toluene-d8	10.332	98	174099	52.552	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.100%
62) 4-Bromofluorobenzene	12.620	95	91275	50.141	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.280%

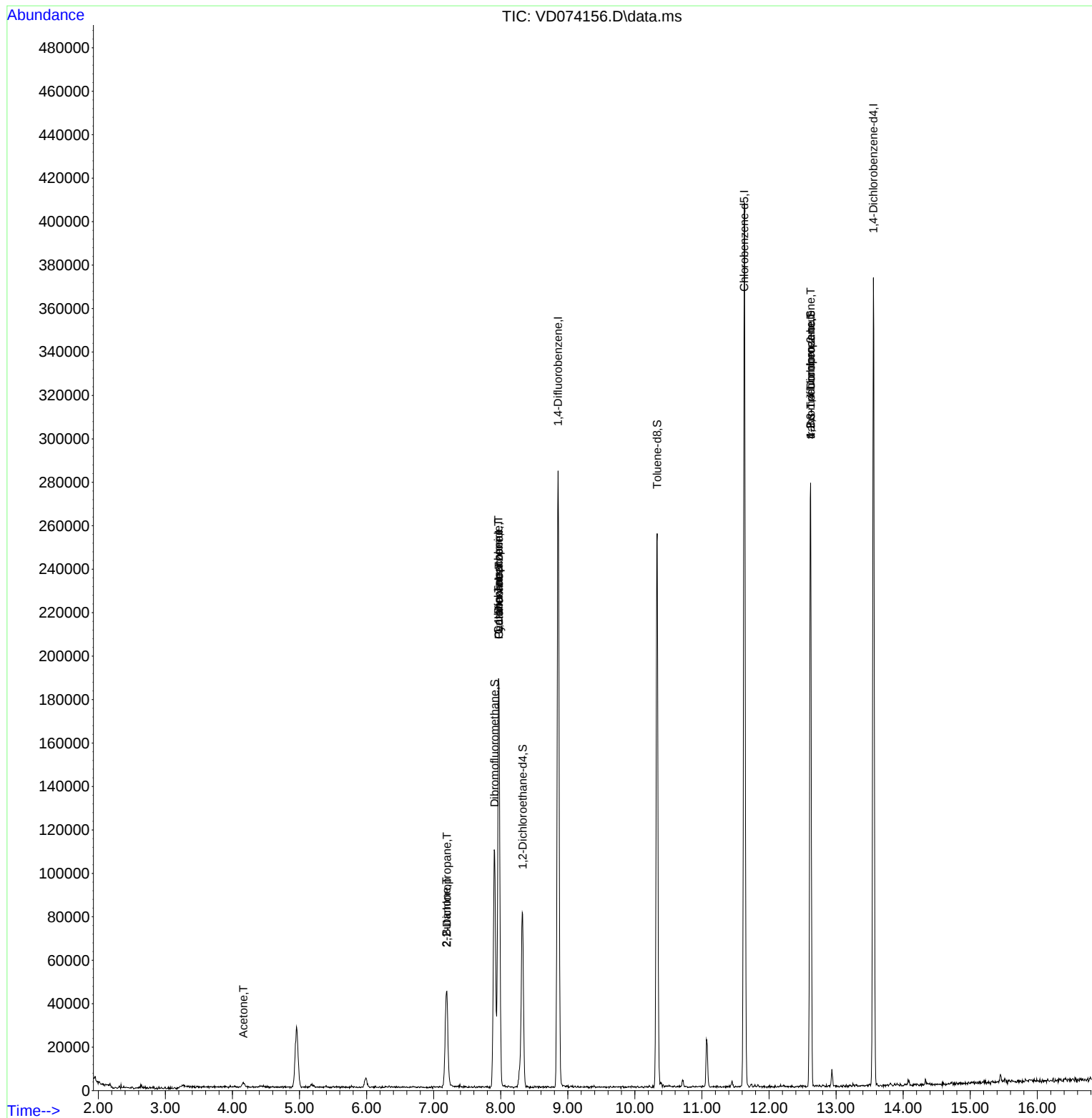
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	180	Below Cal	#	43
11) Tert butyl alcohol	5.220	59	165	Below Cal	#	74
16) Acetone	4.162	43	4041	13.873	ug/l	95
25) 2-Butanone	7.191	43	2004	4.216	ug/l	# 87
26) 2,2-Dichloropropane	7.197	77	3170	1.229	ug/l	# 54
31) Cyclohexane	7.973	56	3643	1.272	ug/l	# 1
36) 1,1-Dichloropropene	7.967	75	11013	4.423	ug/l	# 51
38) Carbon Tetrachloride	7.967	117	14397	5.846	ug/l	# 18
76) 1,2,3-Trichloropropane	12.620	75	47920	47.274	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	47920	123.704	ug/l	# 7

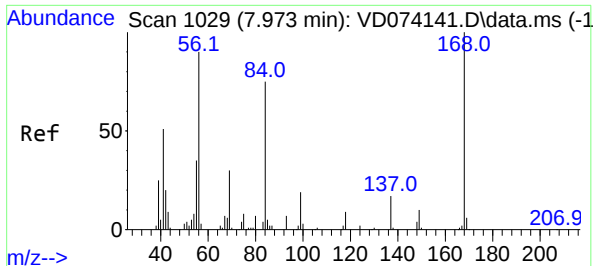
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

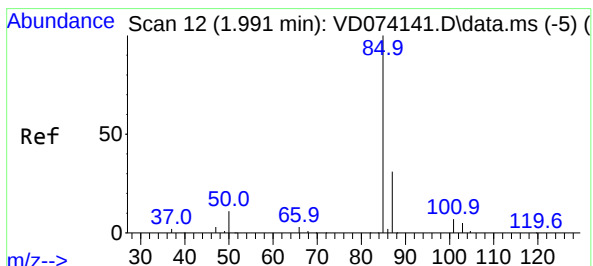
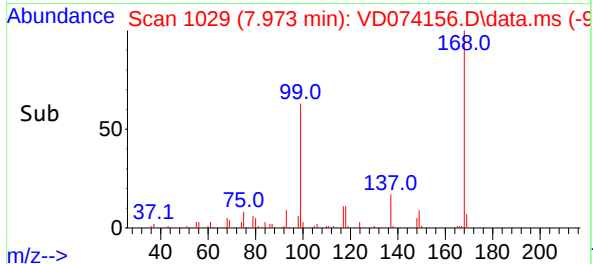
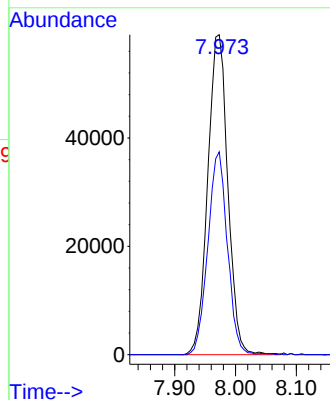
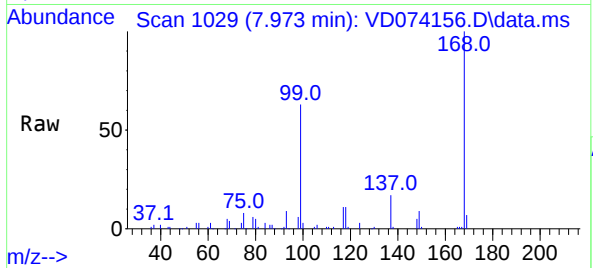




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

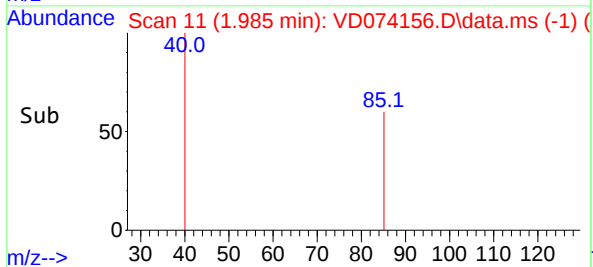
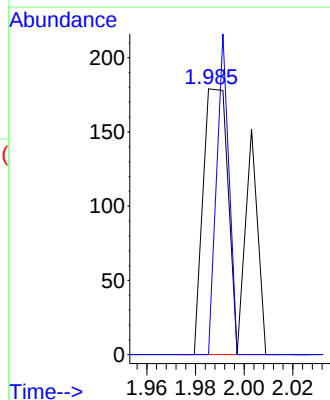
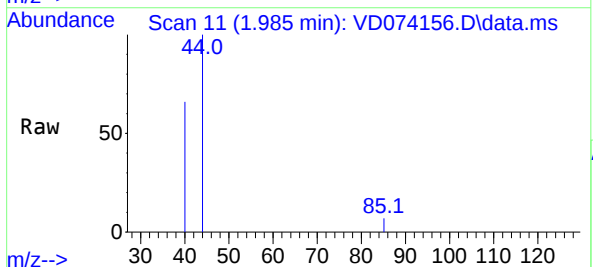
Instrument :
MSVOA_D
ClientSampleId :
SP-1

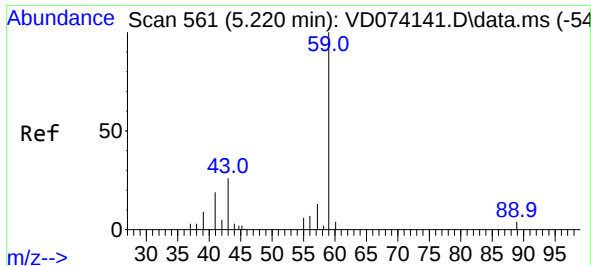
Tgt Ion:168 Resp: 135202
Ion Ratio Lower Upper
168 100
99 63.4 49.8 74.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

Tgt Ion: 85 Resp: 180
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

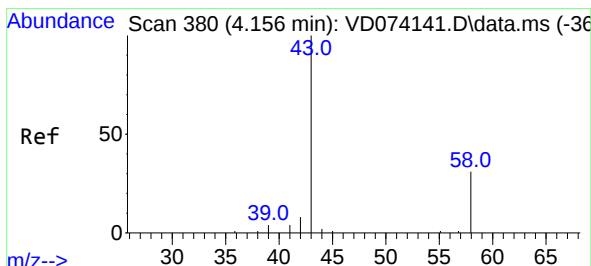
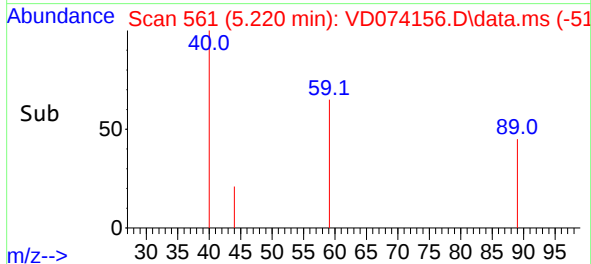
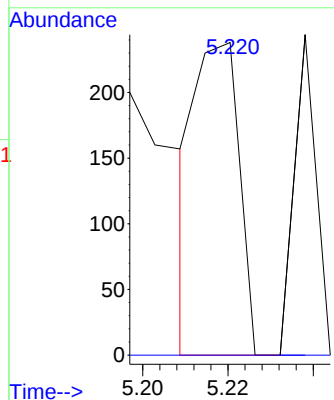
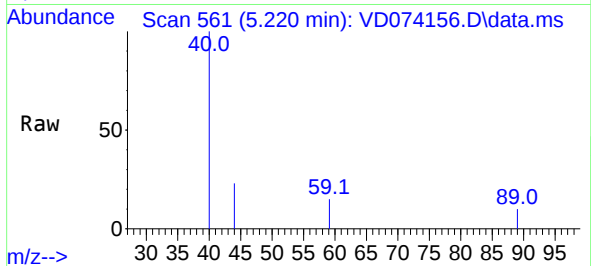




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 50
Delta R.T. 0.000 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

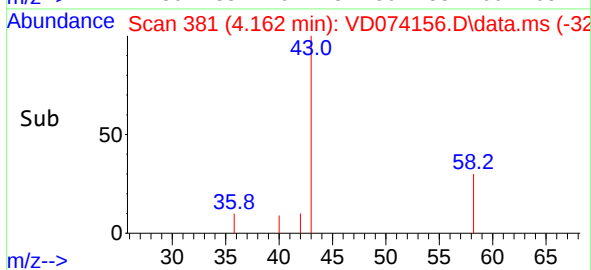
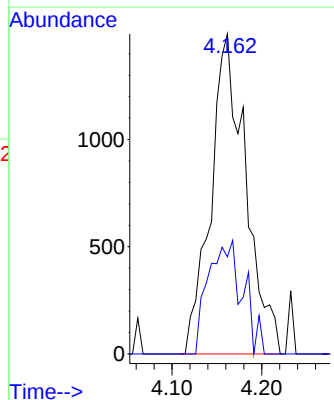
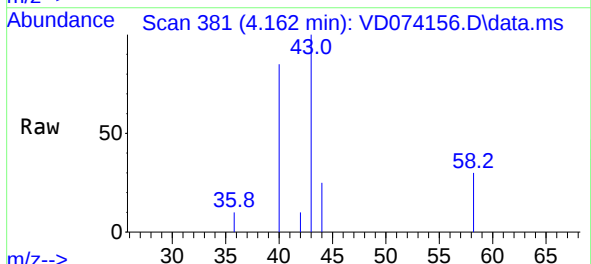
Instrument :
MSVOA_D
ClientSampleId :
SP-1

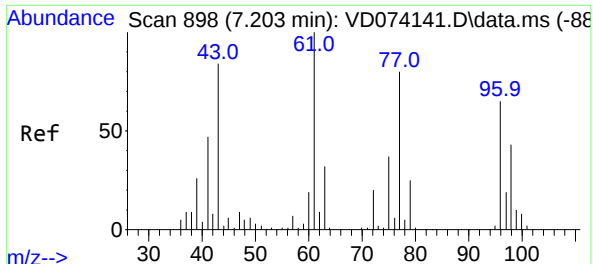
Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 13.873 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

Tgt Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
58 30.3 22.1 33.1





#25

2-Butanone

Concen: 4.216 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.012 min

Lab File: VD074156.D

Acq: 19 Aug 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

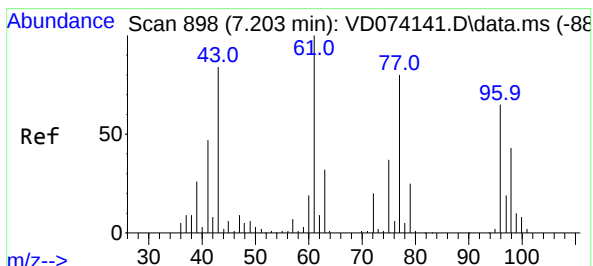
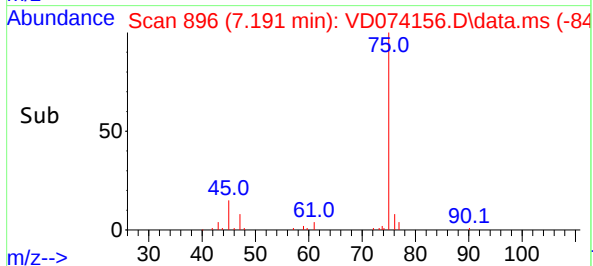
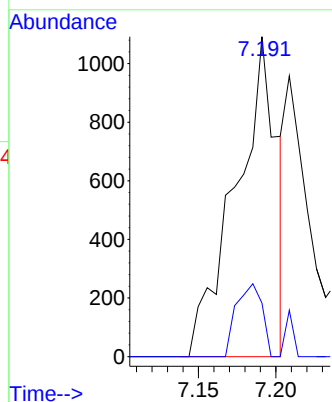
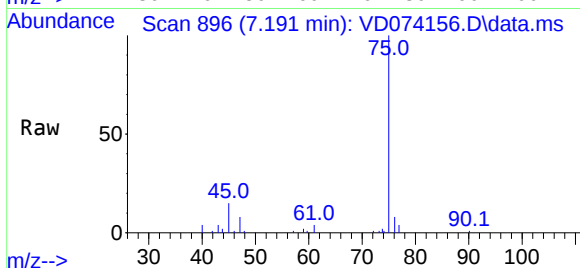
SP-1

Tgt Ion: 43 Resp: 2004

Ion Ratio Lower Upper

43 100

72 16.8 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 1.229 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.006 min

Lab File: VD074156.D

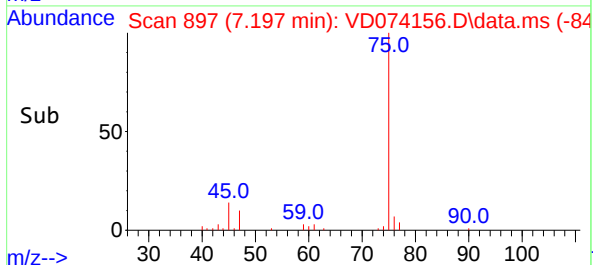
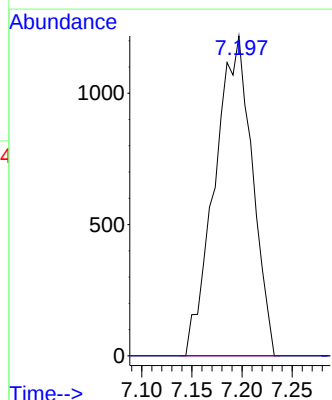
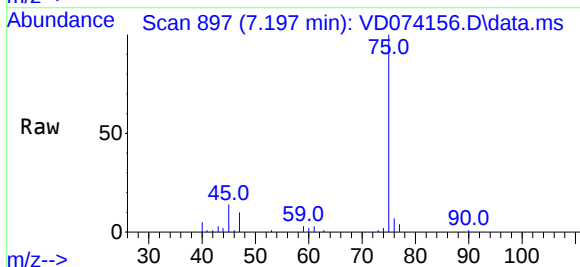
Acq: 19 Aug 2022 18:55

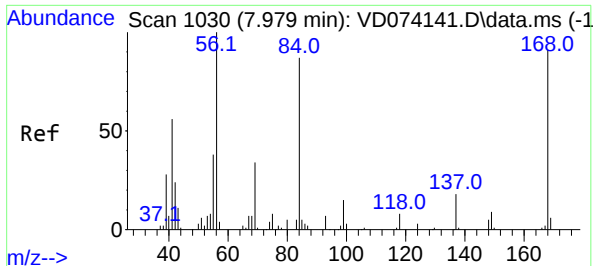
Tgt Ion: 77 Resp: 3170

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#





#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD074156.D

Acq: 19 Aug 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

SP-1

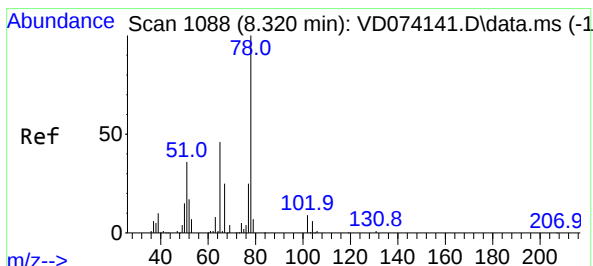
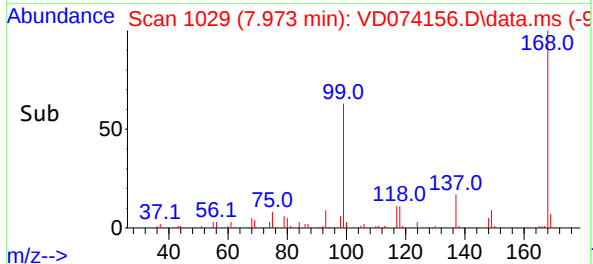
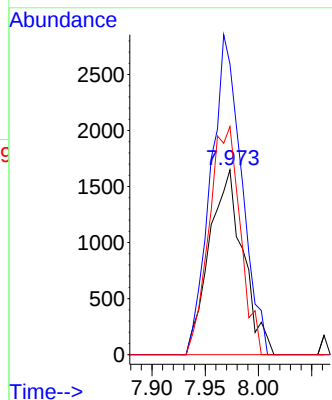
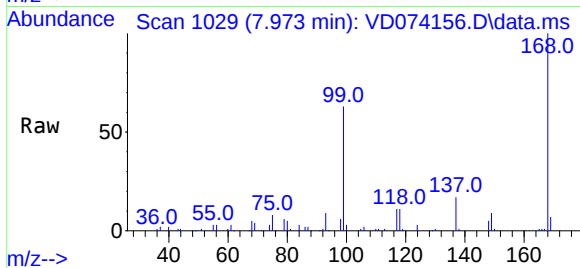
Tgt Ion: 56 Resp: 3643

Ion Ratio Lower Upper

56 100

69 157.2 25.4 38.2#

84 123.5 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 67.509 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD074156.D

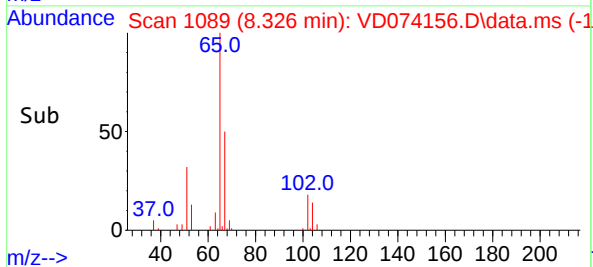
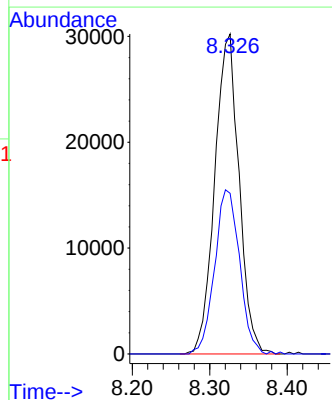
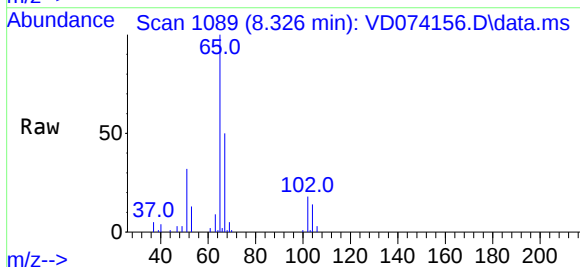
Acq: 19 Aug 2022 18:55

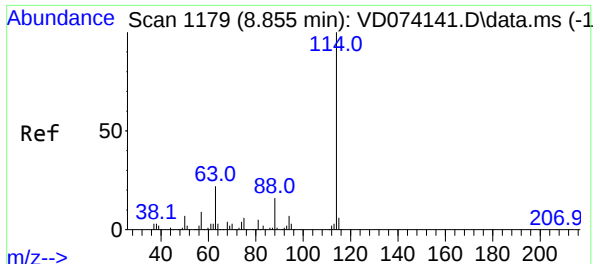
Tgt Ion: 65 Resp: 65755

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD074156.D

Acq: 19 Aug 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

SP-1

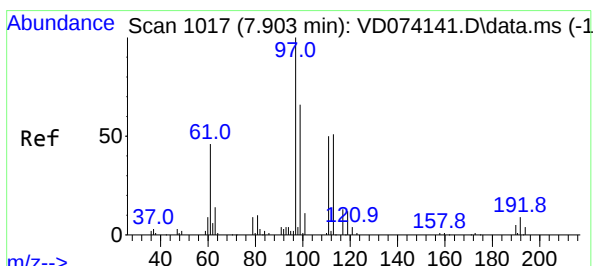
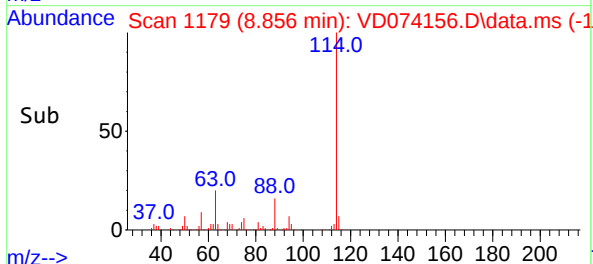
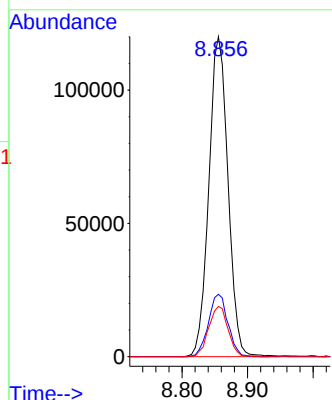
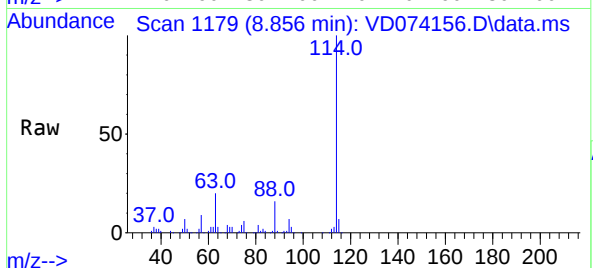
Tgt Ion:114 Resp: 243277

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 69.788 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD074156.D

Acq: 19 Aug 2022 18:55

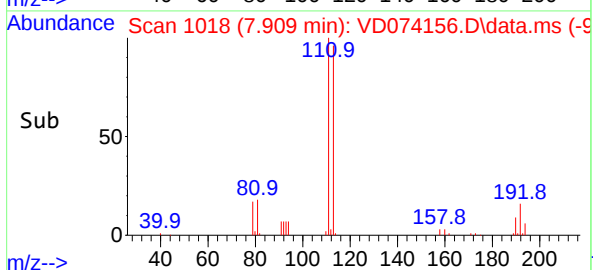
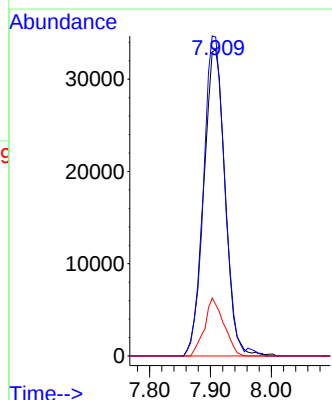
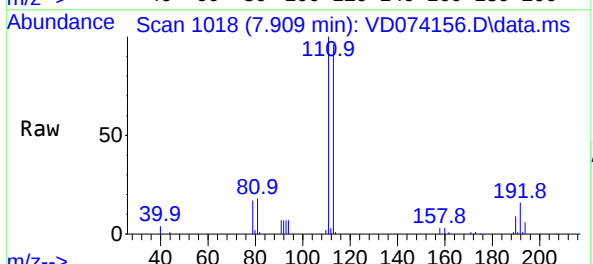
Tgt Ion:113 Resp: 81260

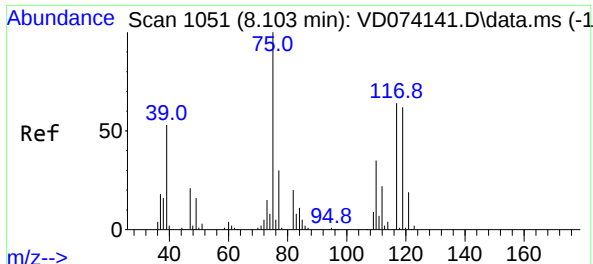
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 17.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.423 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD074156.D

Acq: 19 Aug 2022 18:55

Instrument :

MSVOA_D

ClientSampleId :

SP-1

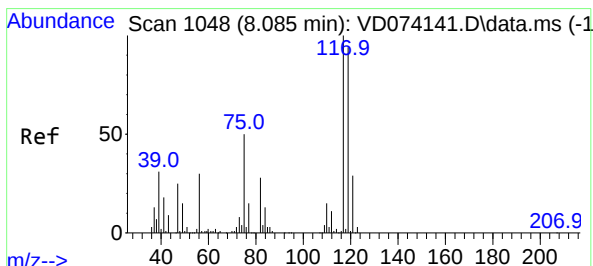
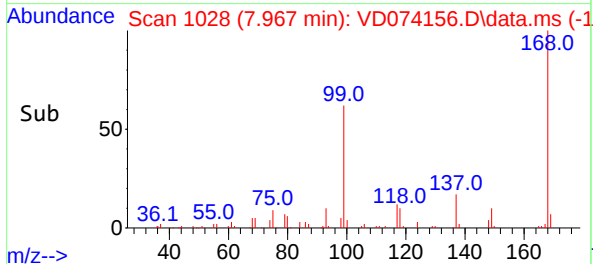
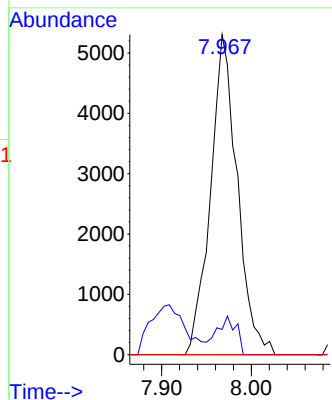
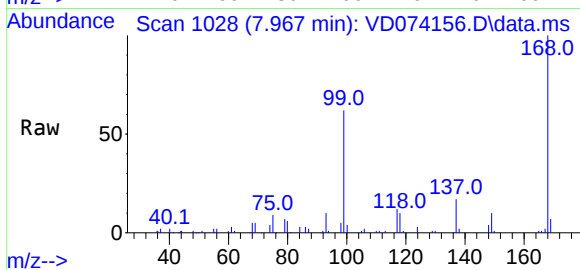
Tgt Ion: 75 Resp: 11013

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.118 min

Lab File: VD074156.D

Acq: 19 Aug 2022 18:55

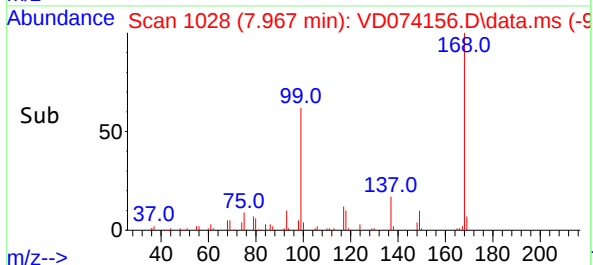
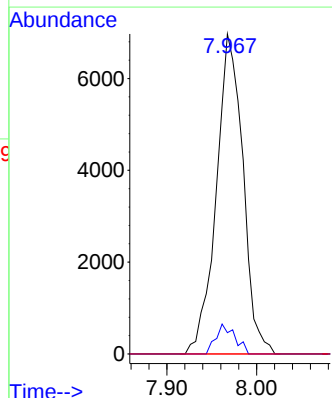
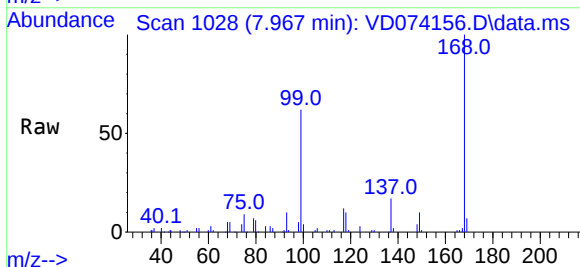
Tgt Ion: 117 Resp: 14397

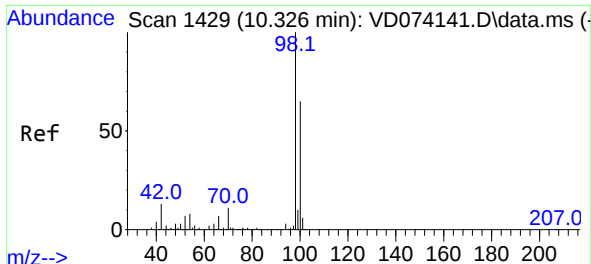
Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 24.5 36.7#

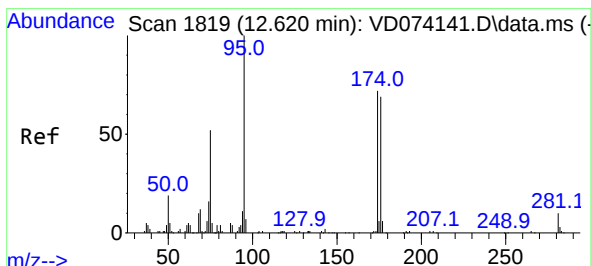
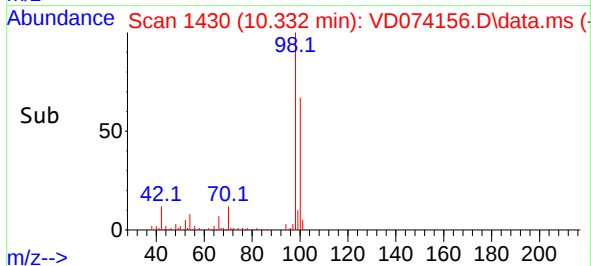
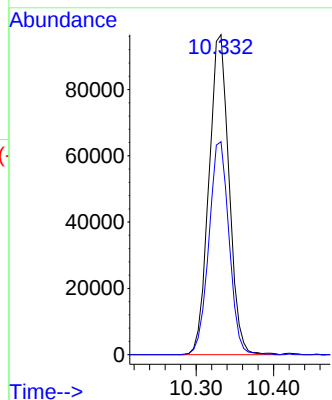
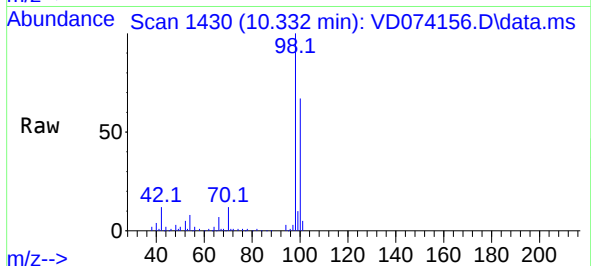




#50
Toluene-d8
Concen: 52.552 ug/l
RT: 10.332 min Scan# 1429
Delta R.T. 0.006 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

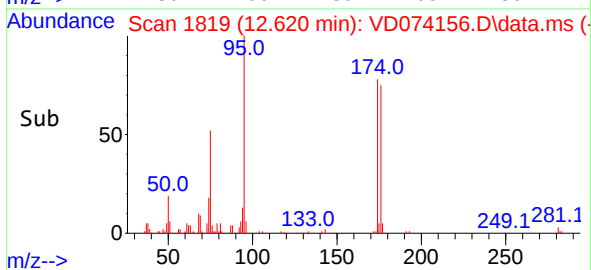
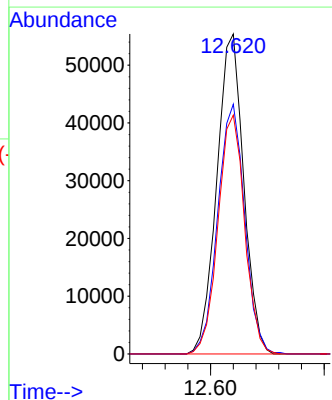
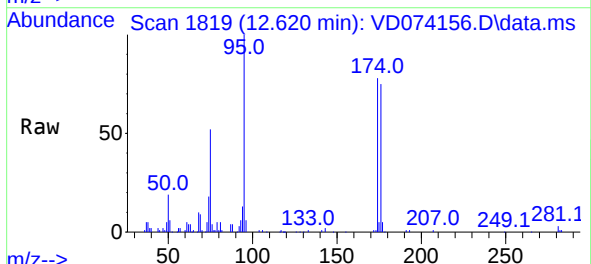
Instrument :
MSVOA_D
ClientSampleId :
SP-1

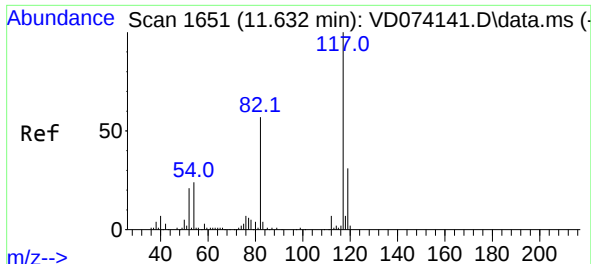
Tgt Ion: 98 Resp: 174099
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 50.141 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

Tgt Ion: 95 Resp: 91275
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.8
176 73.7 0.0 145.4

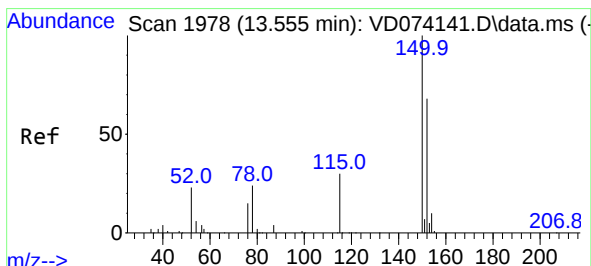
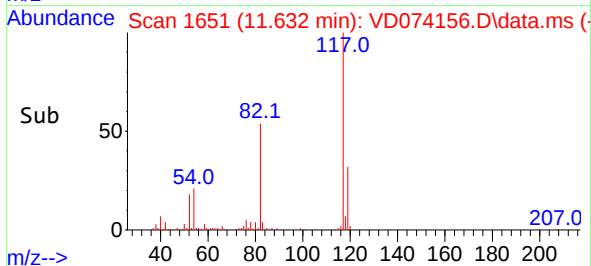
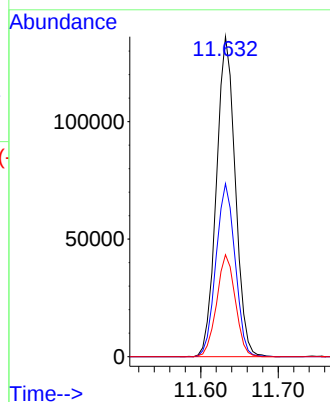
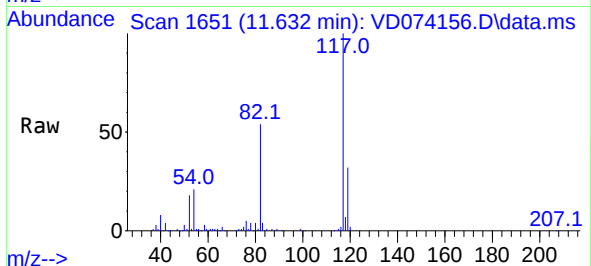




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

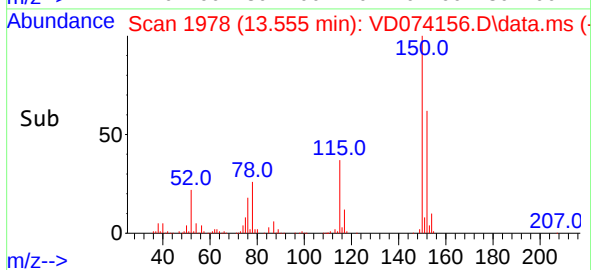
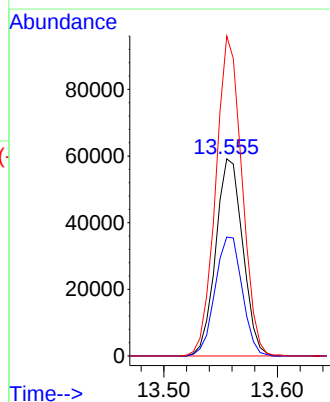
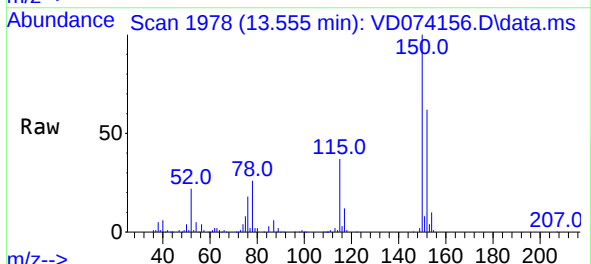
Instrument :
MSVOA_D
ClientSampleId :
SP-1

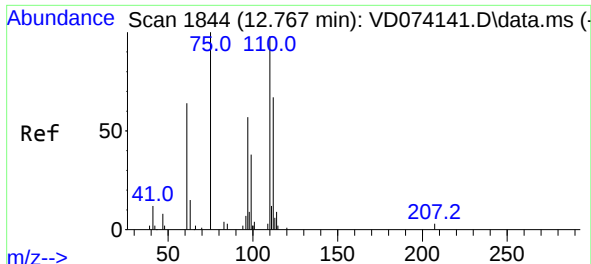
Tgt Ion:117 Resp: 230133
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 31.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. 0.000 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

Tgt Ion:152 Resp: 97883
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 157.4 0.0 348.6

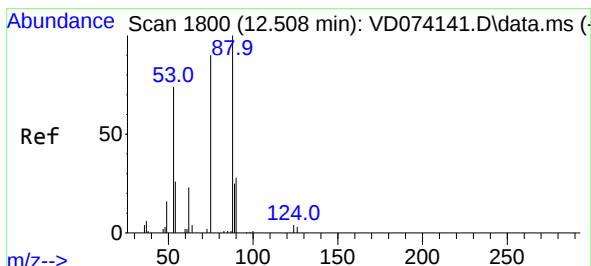
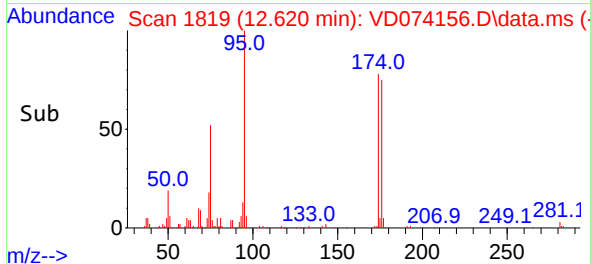
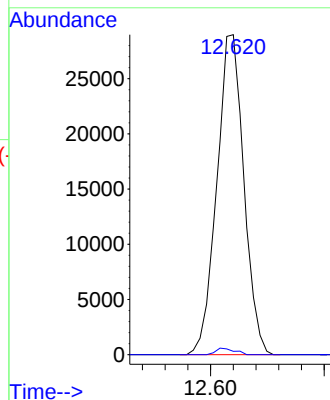
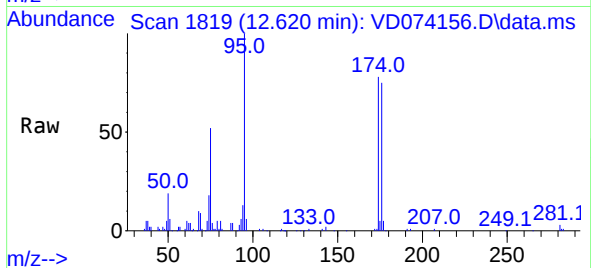




#76
1,2,3-Trichloropropane
Concen: 47.274 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

Instrument :
MSVOA_D
ClientSampleId :
SP-1

Tgt Ion: 75 Resp: 47920
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.704 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.112 min
Lab File: VD074156.D
Acq: 19 Aug 2022 18:55

Tgt Ion: 75 Resp: 47920
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

