

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021723\
 Data File : VD075358.D
 Acq On : 17 Feb 2023 16:21
 Operator : KP/SY
 Sample : 01593-08
 Misc : 8.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SED-3

Quant Time: Feb 18 01:07:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

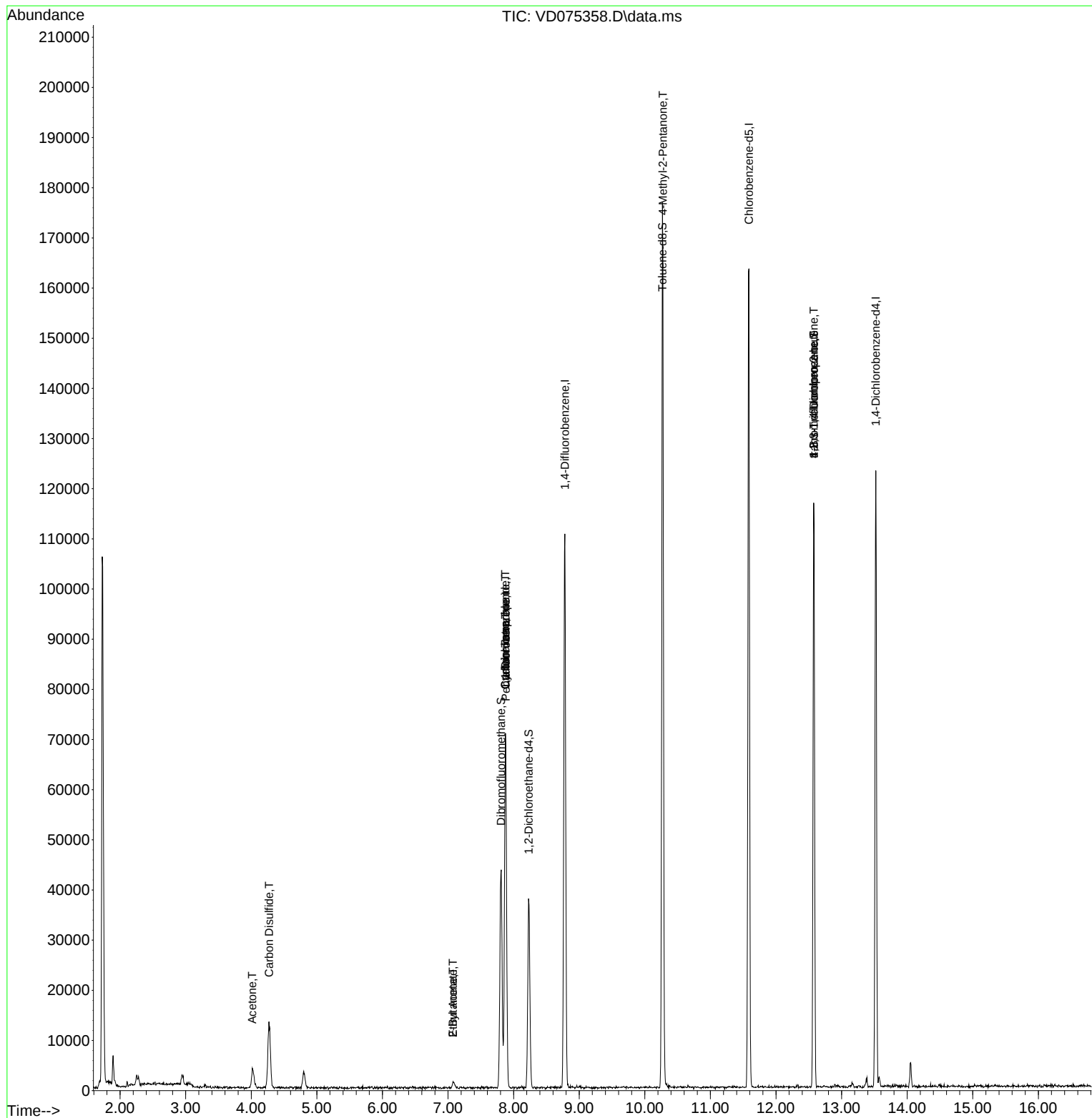
Internal Standards						
1) Pentafluorobenzene	7.881	168	52638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	92222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	88928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	31611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	29991	48.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.180%
35) Dibromofluoromethane	7.810	113	30966	47.886	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.780%
50) Toluene-d8	10.269	98	113933	46.458	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.575	95	34465	42.621	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.240%
Target Compounds						
					Qvalue	
16) Acetone	4.017	43	6688	40.979	ug/l	92
17) Carbon Disulfide	4.269	76	26376	14.512	ug/l	99
20) Methylene Chloride	4.799	84	2196	Below Cal	#	87
25) 2-Butanone	7.075	43	2082	10.295	ug/l	94
31) Cyclohexane	7.875	56	1524	1.391	ug/l	# 40
36) 1,1-Dichloropropene	7.875	75	4599	4.566	ug/l	# 46
37) Ethyl Acetate	7.075	43	2082	4.739	ug/l	# 67
38) Carbon Tetrachloride	7.875	117	5190	5.560	ug/l	# 14
51) 4-Methyl-2-Pentanone	10.275	43	626	1.475	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	19531	54.396	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	19531	171.265	ug/l	# 14

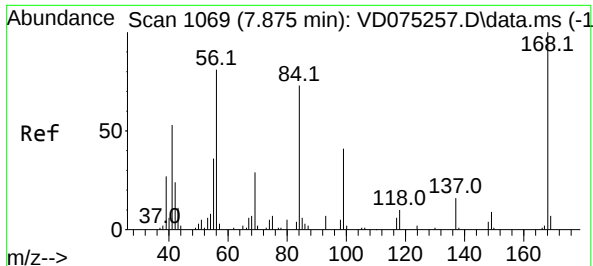
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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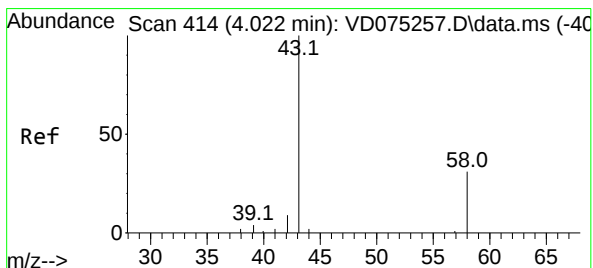
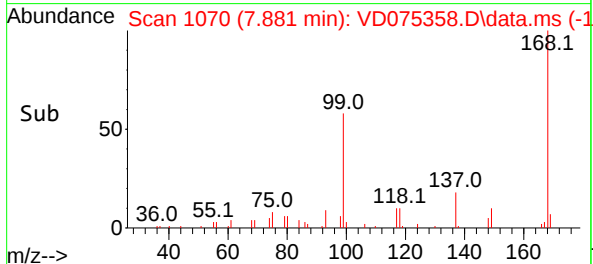
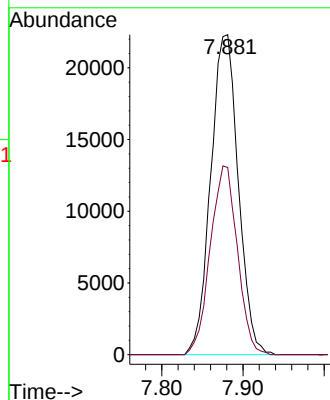
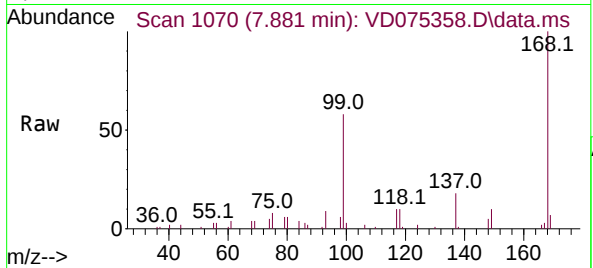




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

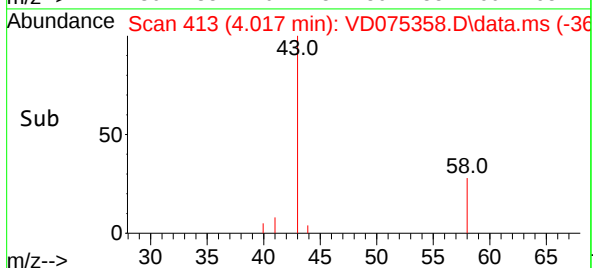
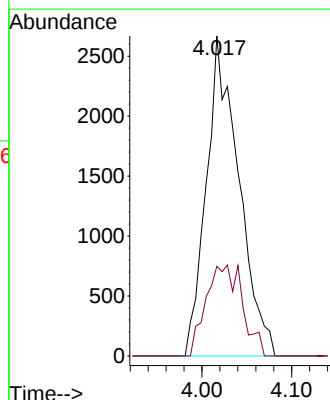
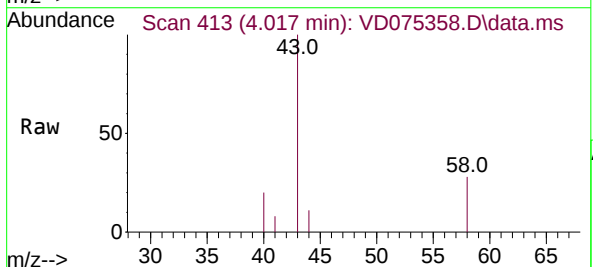
Instrument :
MSVOA_D
ClientSampleId :
SED-3

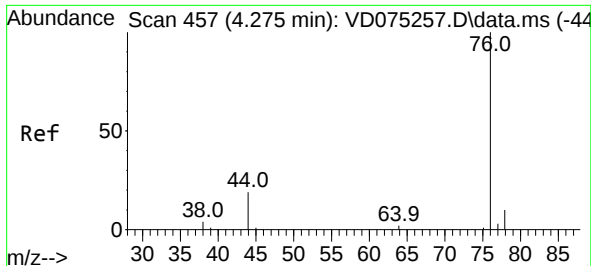
Tgt Ion:168 Resp: 52638
Ion Ratio Lower Upper
168 100
99 58.5 45.2 67.8



#16
Acetone
Concen: 40.979 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.005 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

Tgt Ion: 43 Resp: 6688
Ion Ratio Lower Upper
43 100
58 28.0 26.0 39.0

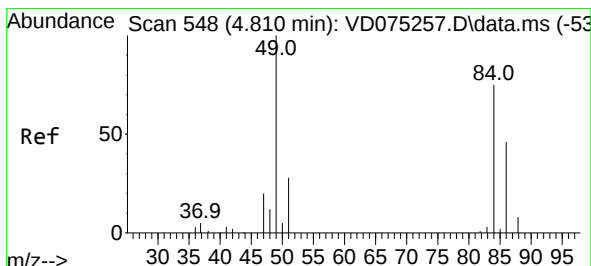
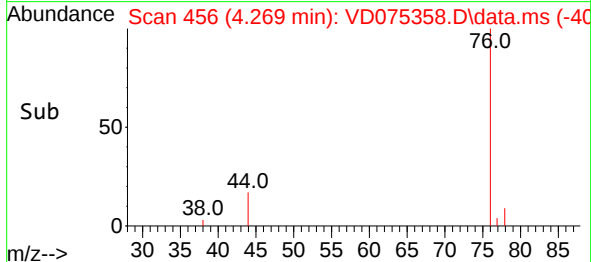
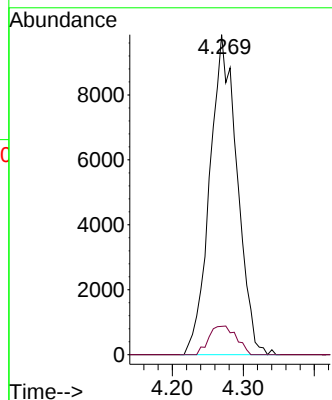
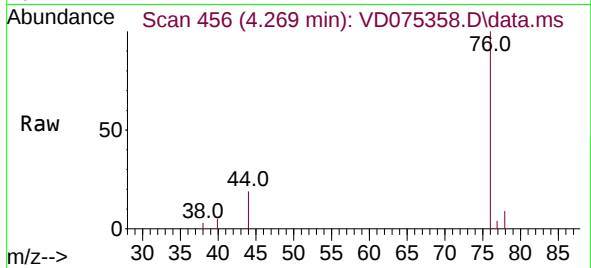




#17
Carbon Disulfide
Concen: 14.512 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

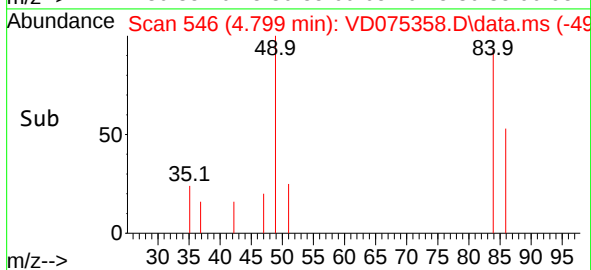
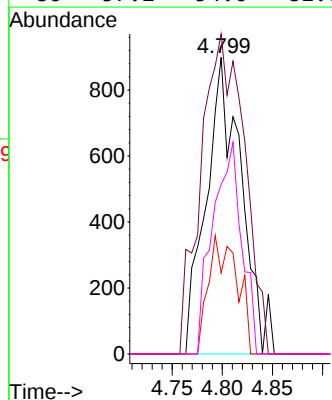
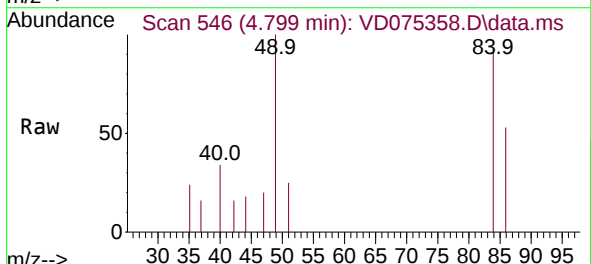
Instrument :
MSVOA_D
ClientSampleId :
SED-3

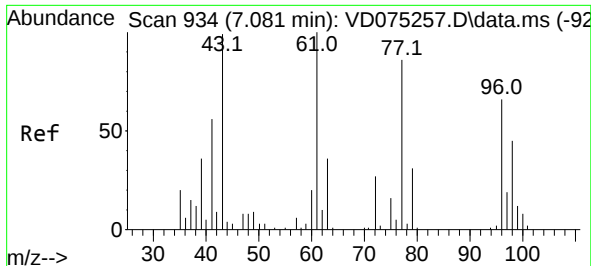
Tgt Ion: 76 Resp: 26376
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

Tgt Ion: 84 Resp: 2196
Ion Ratio Lower Upper
84 100
49 107.9 97.0 145.6
51 27.4 30.9 46.3#
86 57.2 54.0 81.0

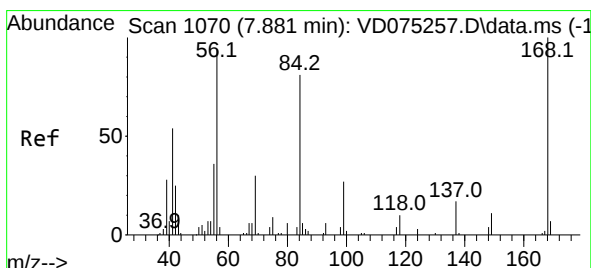
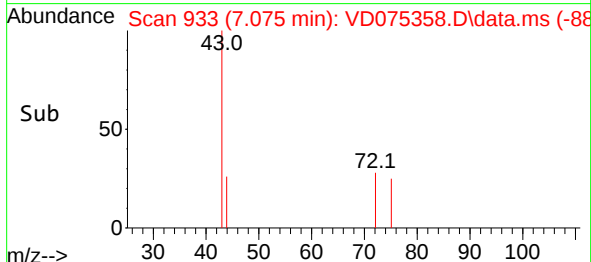
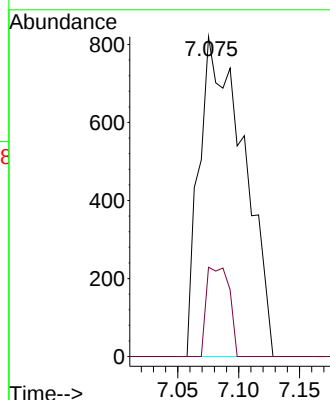
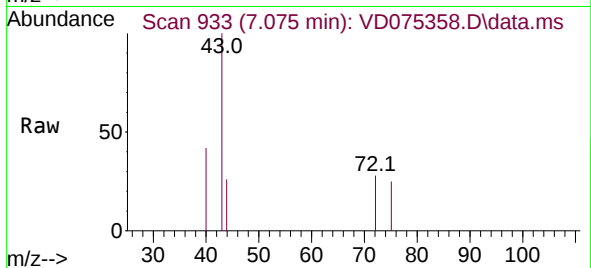




#25
2-Butanone
Concen: 10.295 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

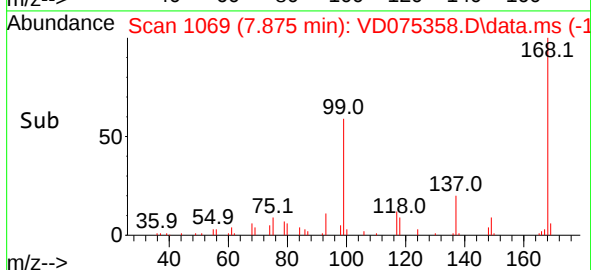
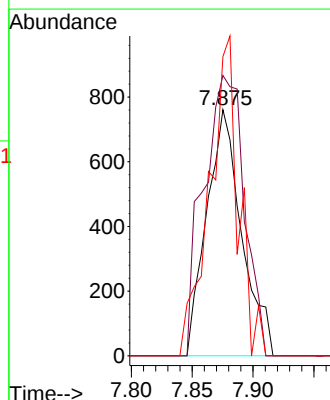
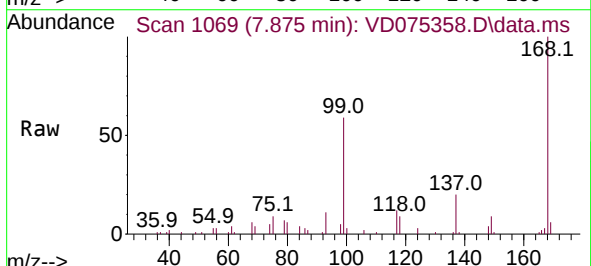
Instrument :
MSVOA_D
ClientSampleId :
SED-3

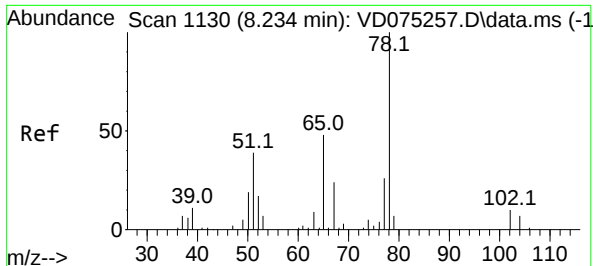
Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
72 27.9 19.8 29.8



#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

Tgt Ion: 56 Resp: 1524
Ion Ratio Lower Upper
56 100
69 113.9 26.6 40.0#
84 121.6 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 48.590 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075358.D

Acq: 17 Feb 2023 16:21

Instrument :

MSVOA_D

ClientSampleId :

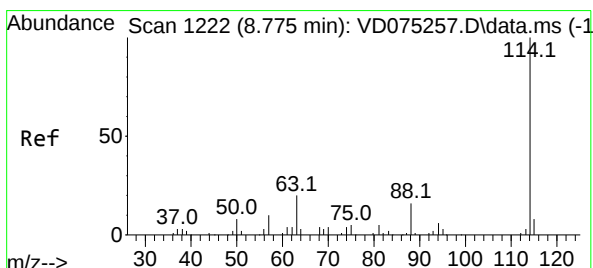
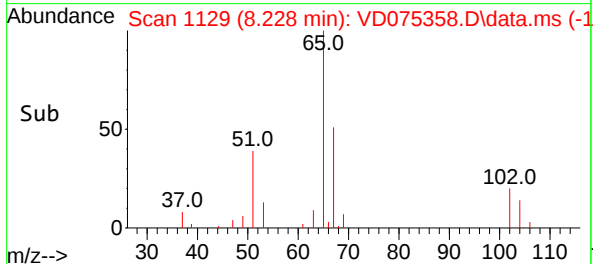
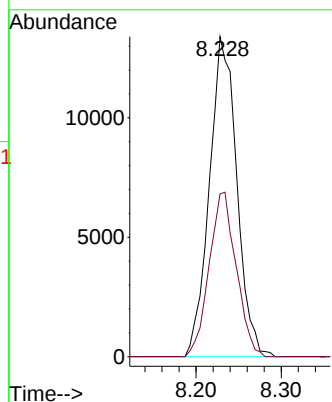
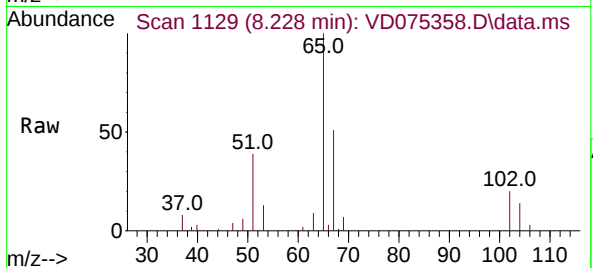
SED-3

Tgt Ion: 65 Resp: 29991

Ion Ratio Lower Upper

65 100

67 50.7 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075358.D

Acq: 17 Feb 2023 16:21

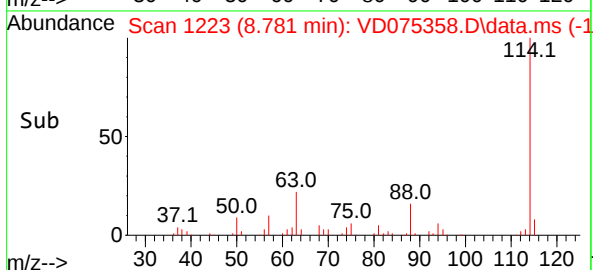
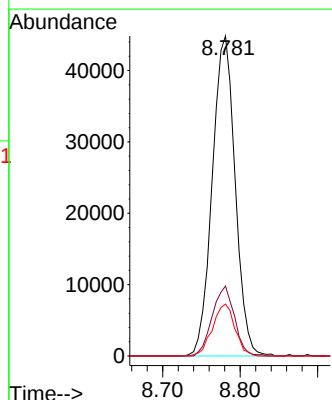
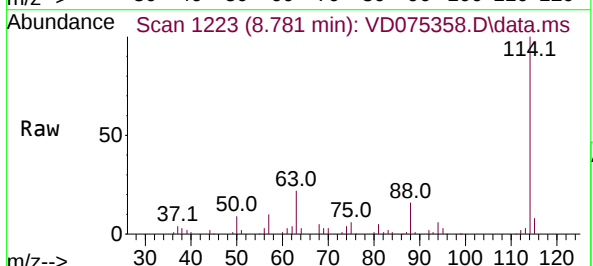
Tgt Ion: 114 Resp: 92222

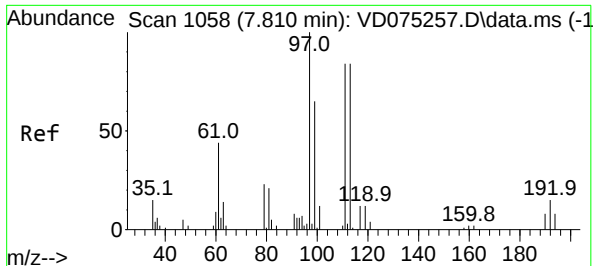
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.2

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.886 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075358.D

Acq: 17 Feb 2023 16:21

Instrument :

MSVOA_D

ClientSampleId :

SED-3

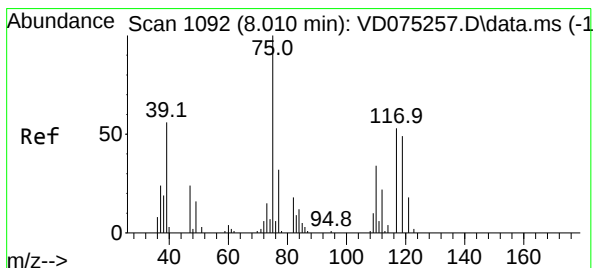
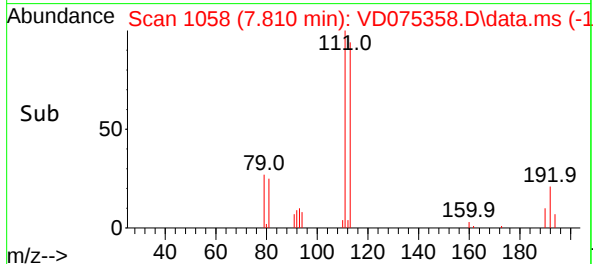
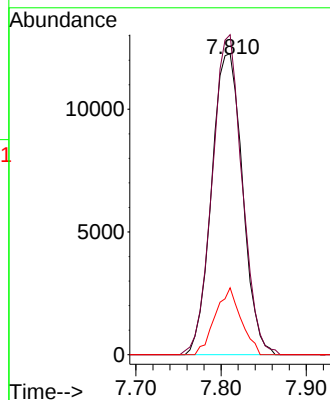
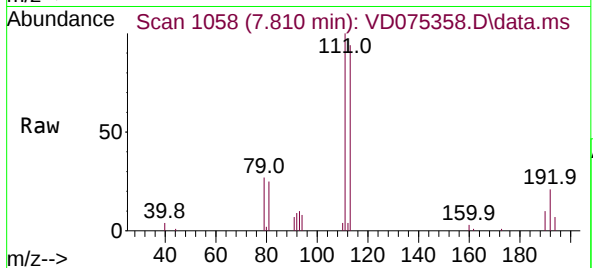
Tgt Ion:113 Resp: 30966

Ion Ratio Lower Upper

113 100

111 102.6 80.1 120.1

192 18.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075358.D

Acq: 17 Feb 2023 16:21

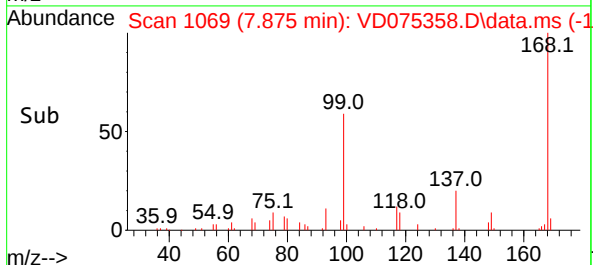
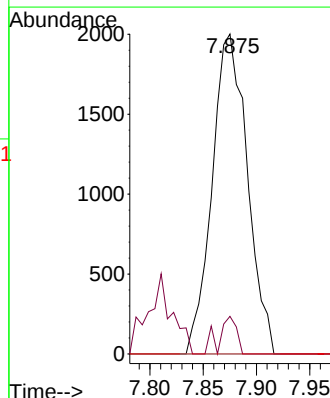
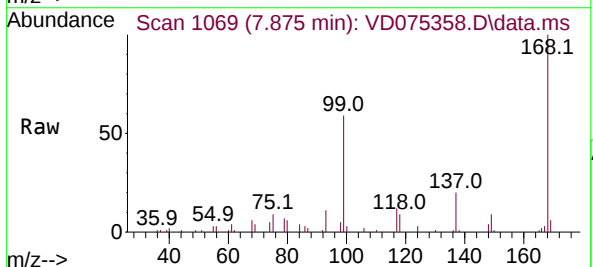
Tgt Ion: 75 Resp: 4599

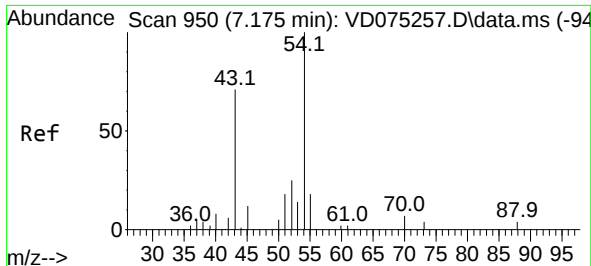
Ion Ratio Lower Upper

75 100

110 5.9 18.1 54.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 4.739 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.100 min

Lab File: VD075358.D

Acq: 17 Feb 2023 16:21

Instrument :

MSVOA_D

ClientSampleId :

SED-3

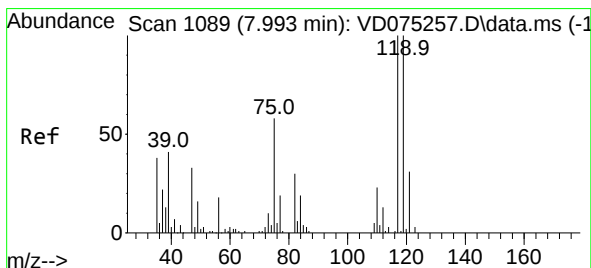
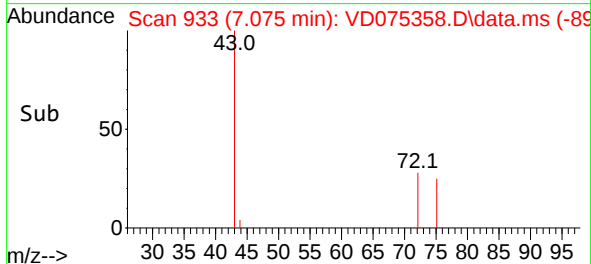
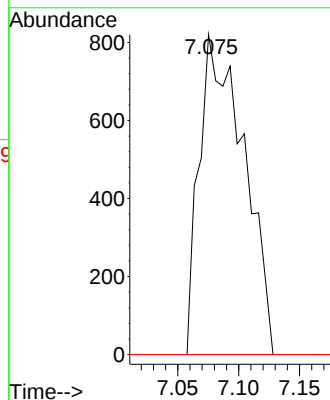
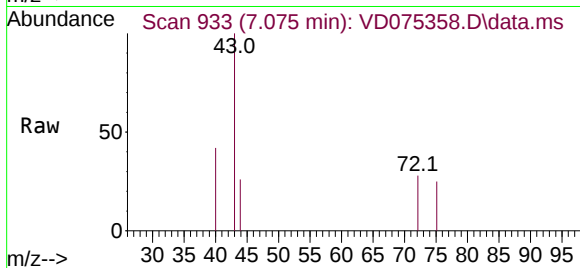
Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075358.D

Acq: 17 Feb 2023 16:21

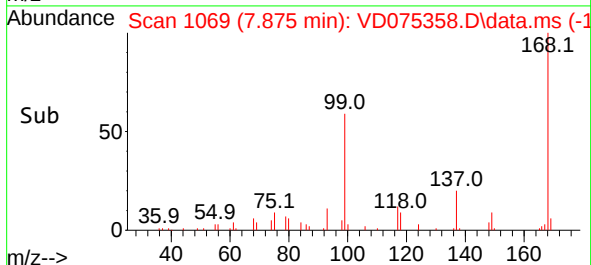
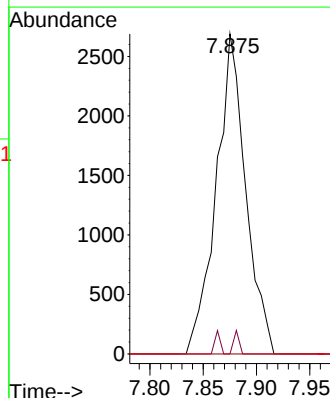
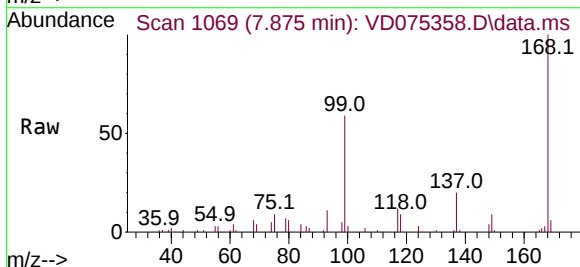
Tgt Ion: 117 Resp: 5190

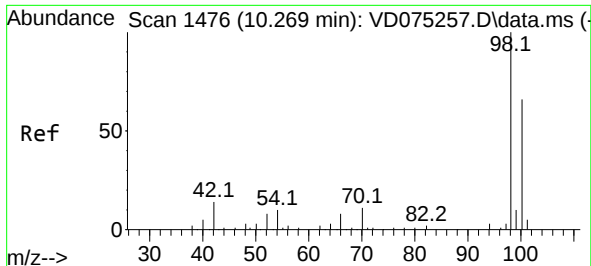
Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

121 0.0 25.4 38.0#

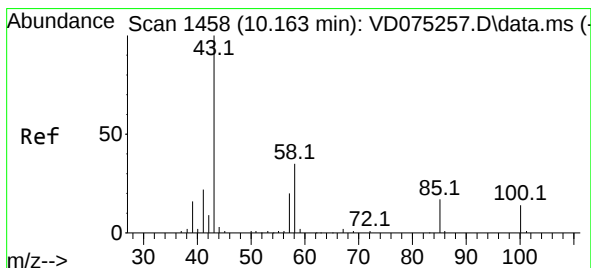
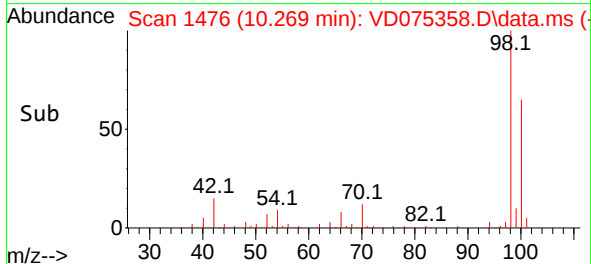
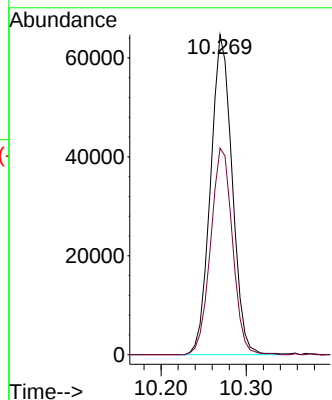
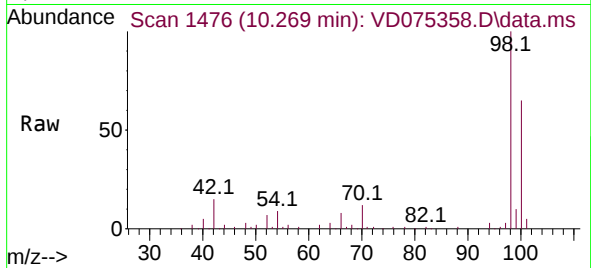




#50
Toluene-d8
Concen: 46.458 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

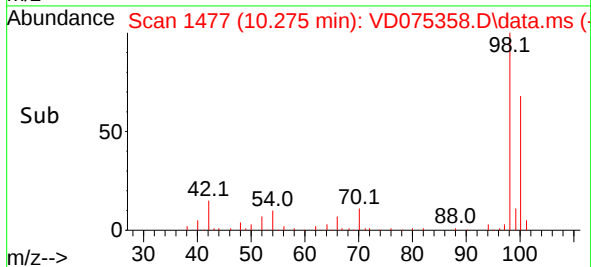
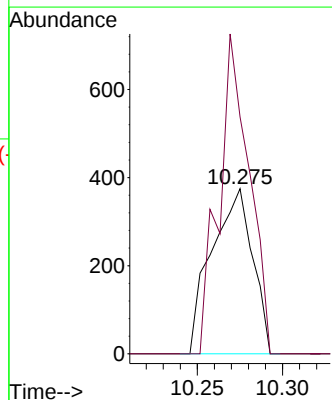
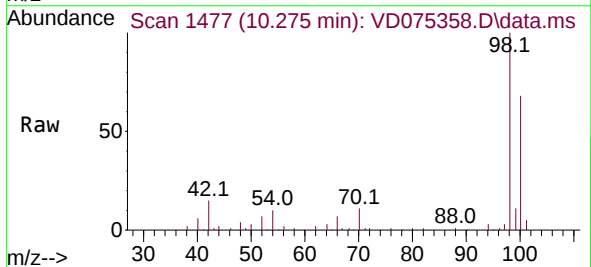
Instrument :
MSVOA_D
ClientSampleId :
SED-3

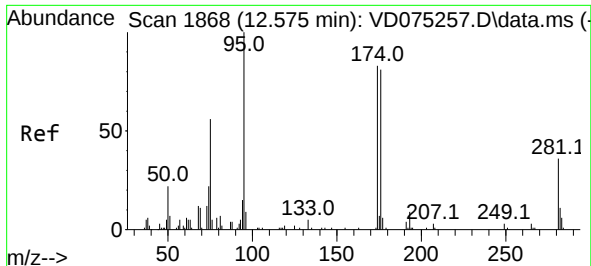
Tgt Ion: 98 Resp: 113933
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.475 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.112 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

Tgt Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
58 142.7 31.4 47.0#

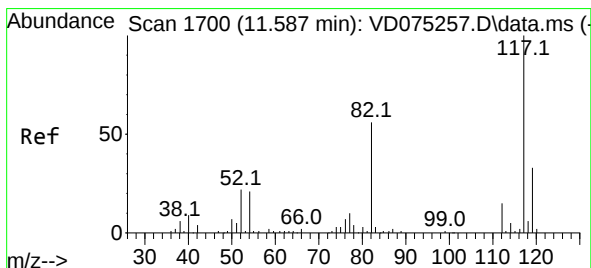
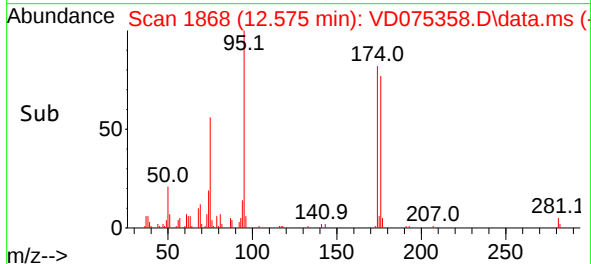
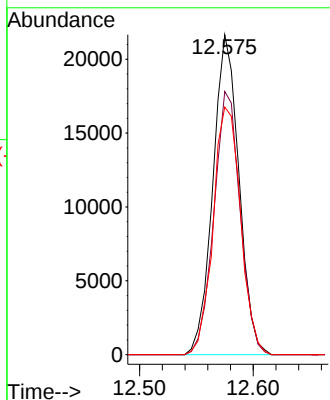
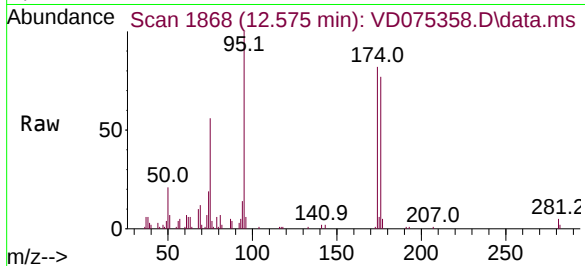




#62
4-Bromofluorobenzene
Concen: 42.621 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

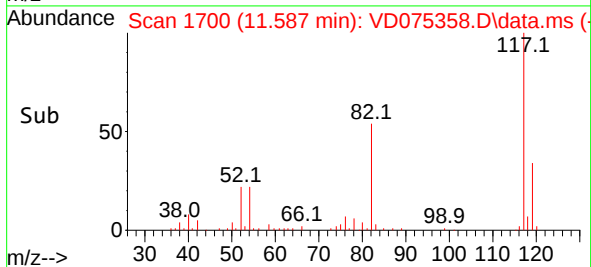
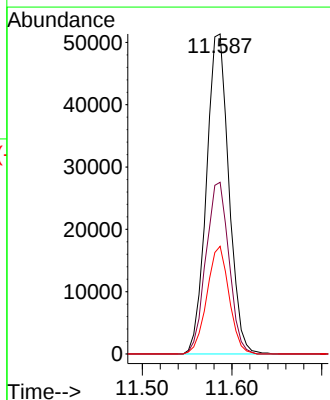
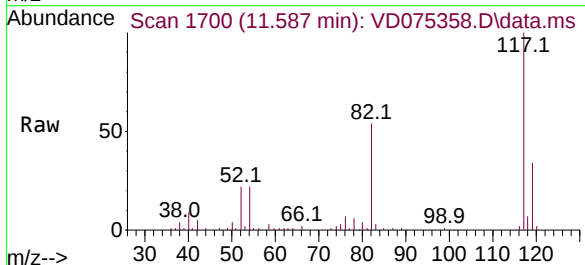
Instrument :
MSVOA_D
ClientSampleId :
SED-3

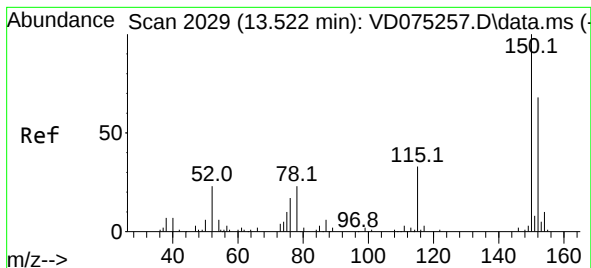
Tgt Ion: 95 Resp: 34465
Ion Ratio Lower Upper
95 100
174 82.9 0.0 161.2
176 81.6 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075358.D
Acq: 17 Feb 2023 16:21

Tgt Ion: 117 Resp: 88928
Ion Ratio Lower Upper
117 100
82 53.6 39.6 59.4
119 33.7 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075358.D

Acq: 17 Feb 2023 16:21

Instrument :

MSVOA_D

ClientSampleId :

SED-3

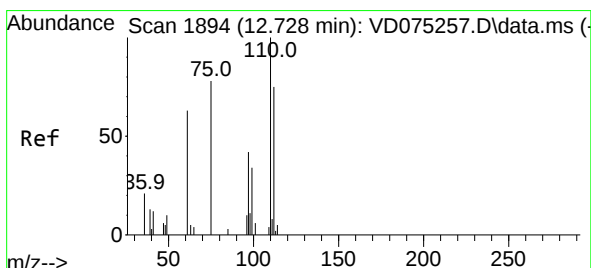
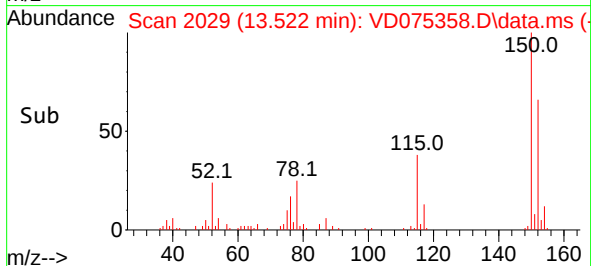
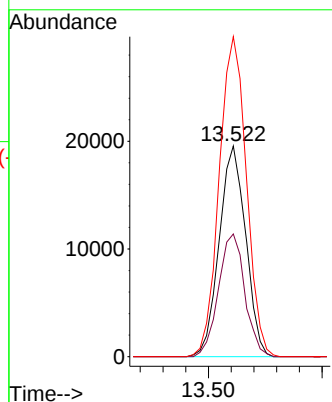
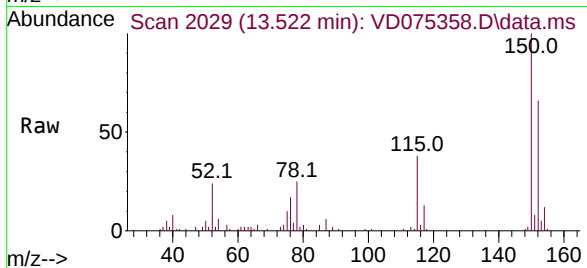
Tgt Ion:152 Resp: 31611

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.4

150 155.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 54.396 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075358.D

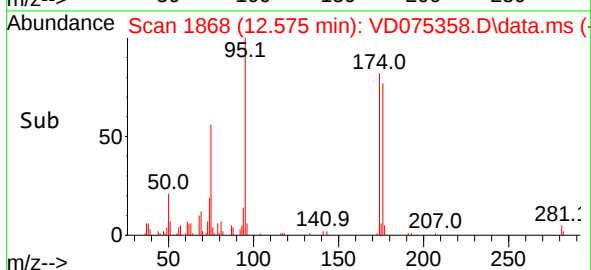
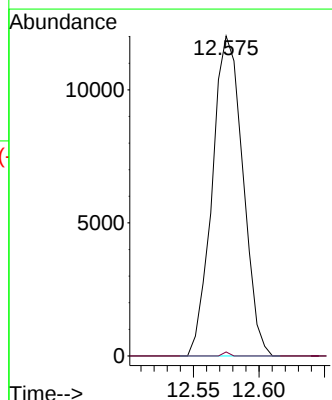
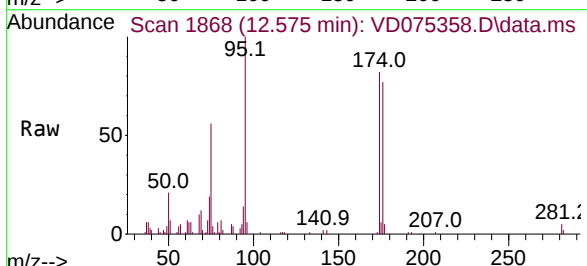
Acq: 17 Feb 2023 16:21

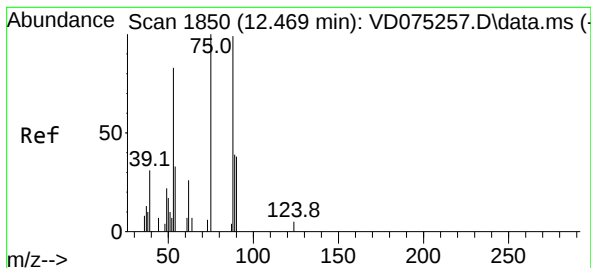
Tgt Ion: 75 Resp: 19531

Ion Ratio Lower Upper

75 100

77 0.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.265 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD075358.D
 Acq: 17 Feb 2023 16:21

Instrument :
 MSVOA_D
 ClientSampleId :
 SED-3

Tgt Ion: 75 Resp: 19531
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

