

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077840.D
 Acq On : 12 Dec 2023 14:24
 Operator : JC/SY
 Sample : 05720-02RE
 Misc : 7.20G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-FRACSEDIMENT-IDWSO-20231207RE

Quant Time: Dec 12 14:41:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

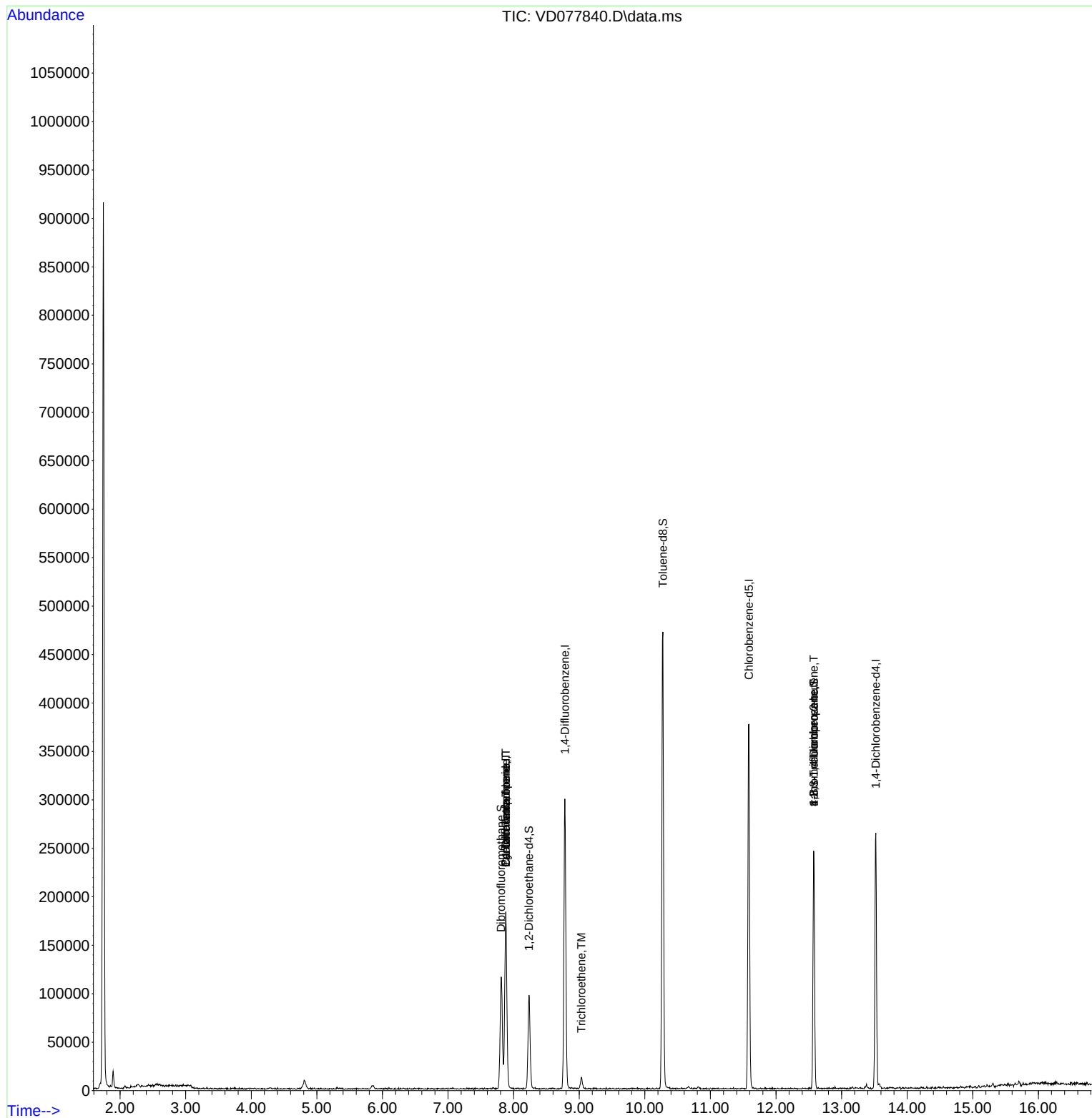
Internal Standards						
1) Pentafluorobenzene	7.881	168	136854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	265825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	222992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	72575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75556	46.853	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.700%		
35) Dibromofluoromethane	7.810	113	84063	45.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.300%		
50) Toluene-d8	10.275	98	334008	44.788	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.580%		
62) 4-Bromofluorobenzene	12.575	95	74506	33.416	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	66.840%		
Target Compounds						
11) Tert butyl alcohol	5.064	59	72	Below Cal	#	73
16) Acetone	4.040	43	384	Below Cal	#	32
20) Methylene Chloride	4.811	84	6080	Below Cal	#	89
25) 2-Butanone	7.087	43	63	Below Cal	#	37
31) Cyclohexane	7.881	56	3882	1.353	ug/l #	50
36) 1,1-Dichloropropene	7.881	75	10713	3.597	ug/l #	46
38) Carbon Tetrachloride	7.881	117	13609	4.583	ug/l #	14
44) Trichloroethene	9.034	130	3792	1.721	ug/l	99
65) Chlorobenzene	11.616	112	295	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	40513	64.274	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	40513	130.223	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	599	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.322	75	55	Below Cal	#	1

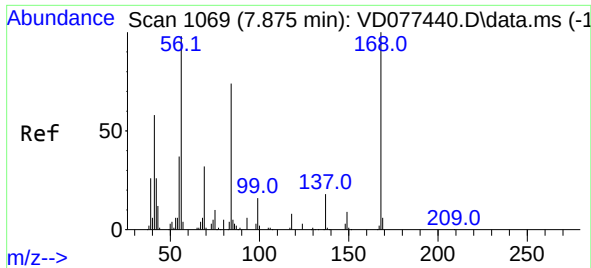
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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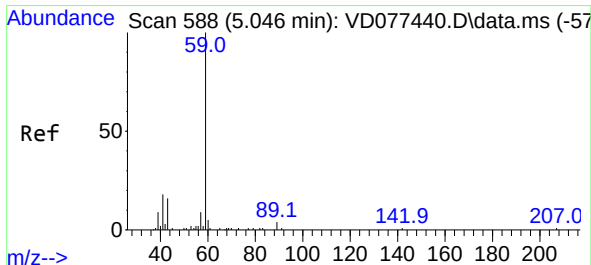
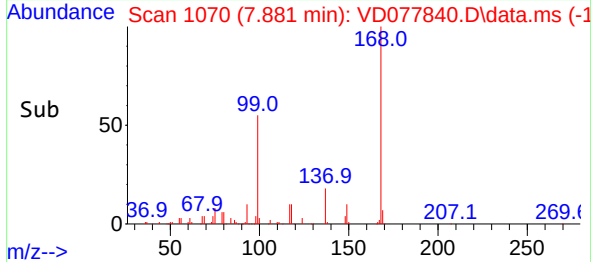
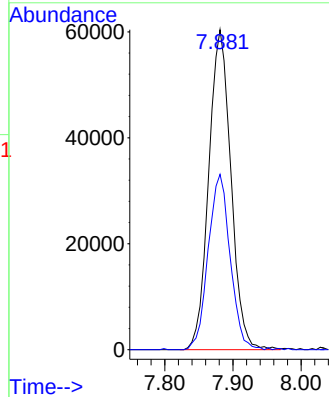
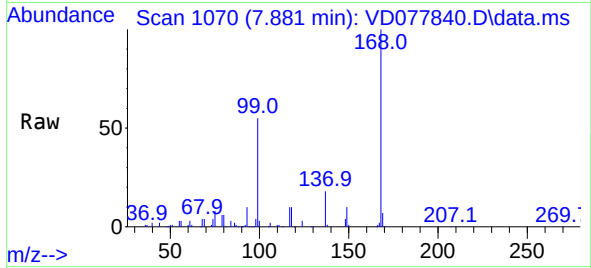




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

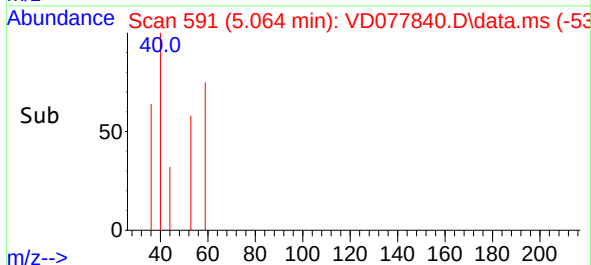
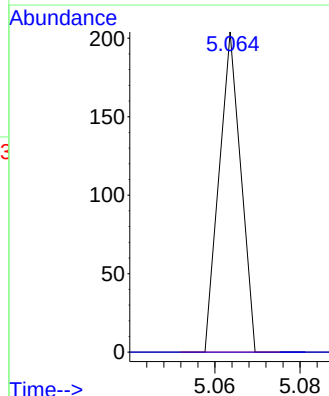
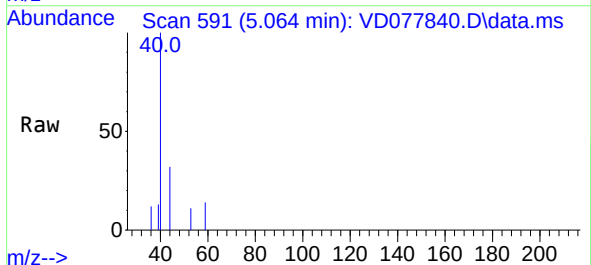
Instrument :
MSVOA_D
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TT-FRACSEDIMENT-IDWSO-20231207RE

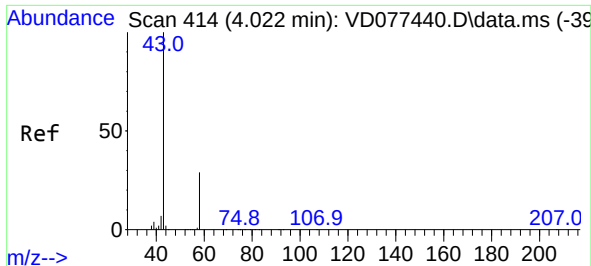
Tgt Ion:168 Resp: 136854
Ion Ratio Lower Upper
168 100
99 54.8 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.064 min Scan# 591
Delta R.T. 0.018 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

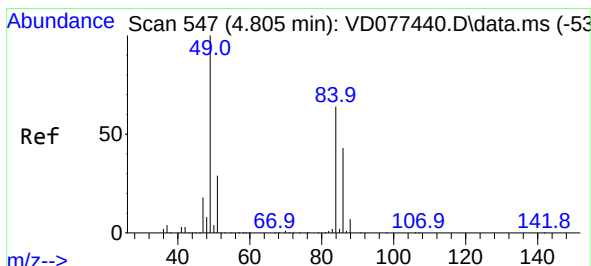
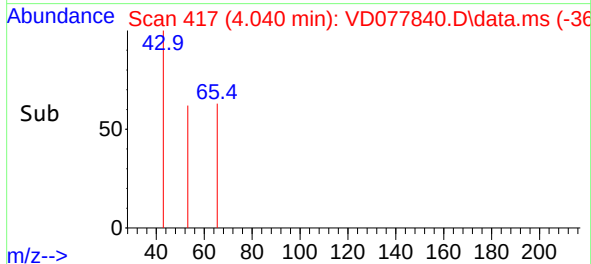
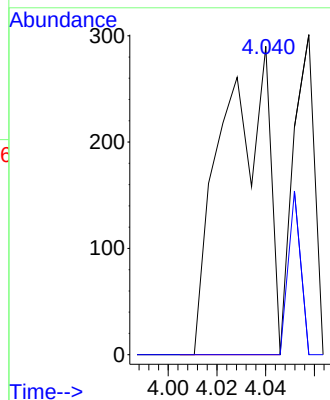
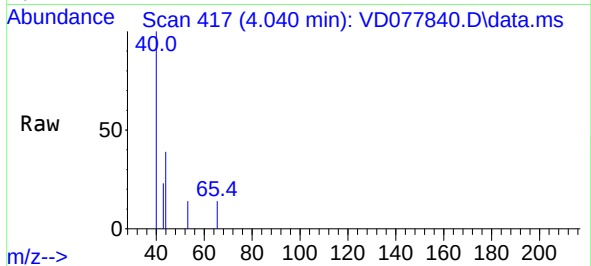




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

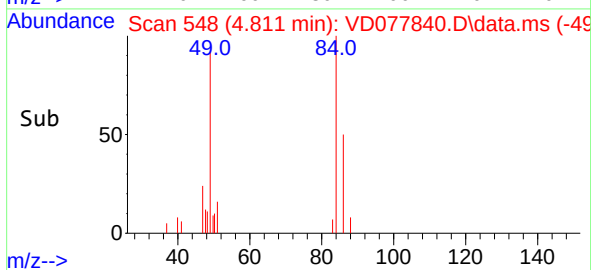
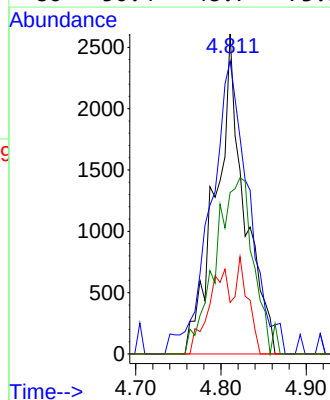
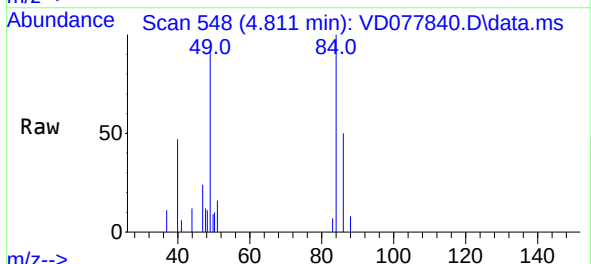
Instrument :
MSVOA_D
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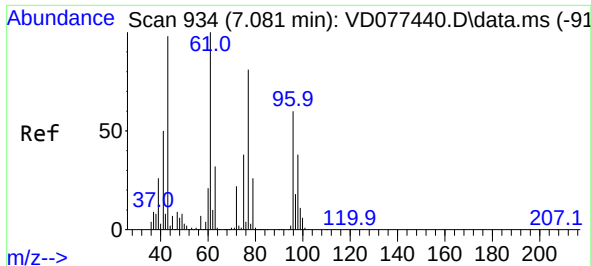
Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion: 84 Resp: 6080
Ion Ratio Lower Upper
84 100
49 85.6 71.4 107.2
51 16.1 24.5 36.7#
86 50.4 48.7 73.1





#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD077840.D

Acq: 12 Dec 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

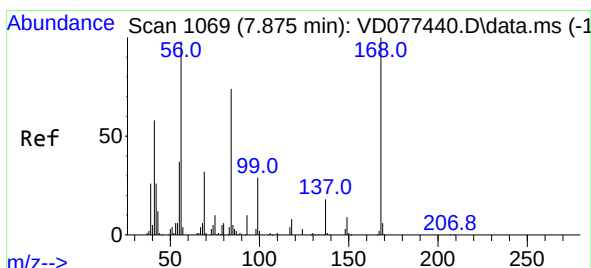
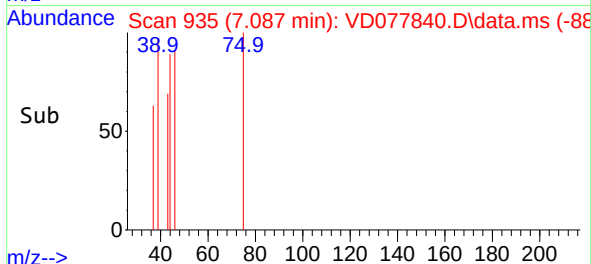
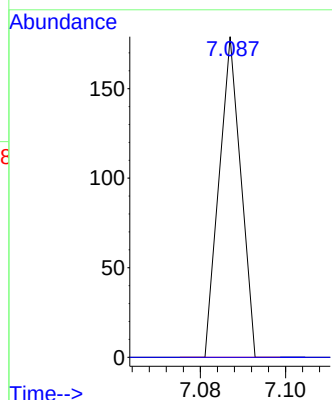
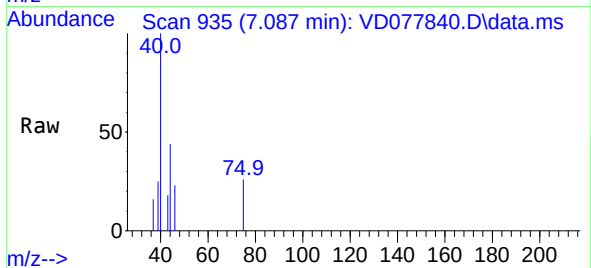
TT-FRACSEDIMENT-IDWSO-20231207RE

Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.353 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077840.D

Acq: 12 Dec 2023 14:24

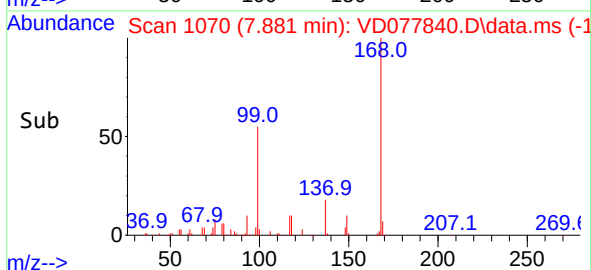
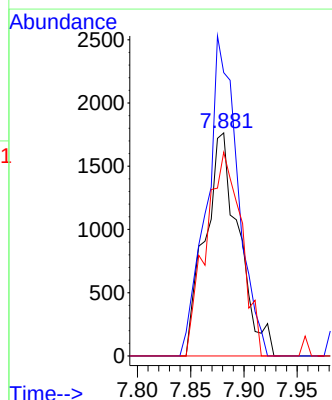
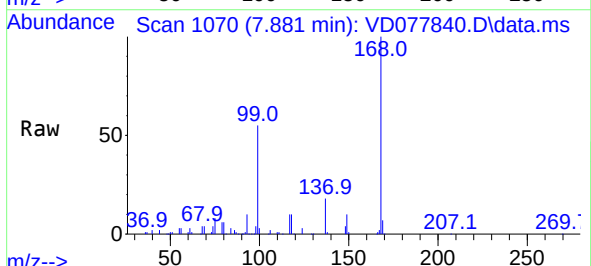
Tgt Ion: 56 Resp: 3882

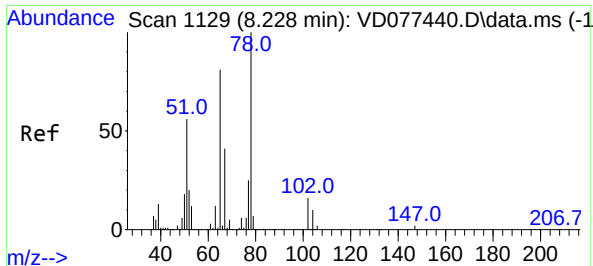
Ion Ratio Lower Upper

56 100

69 127.0 28.6 43.0#

84 91.3 84.8 127.2

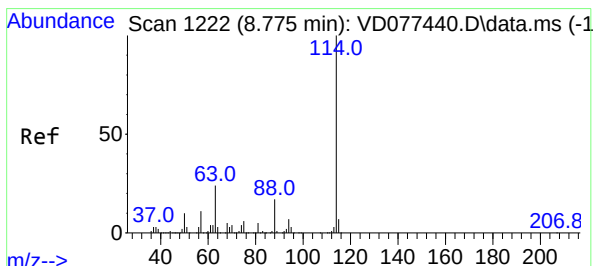
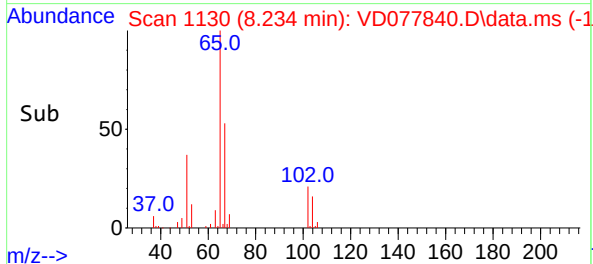
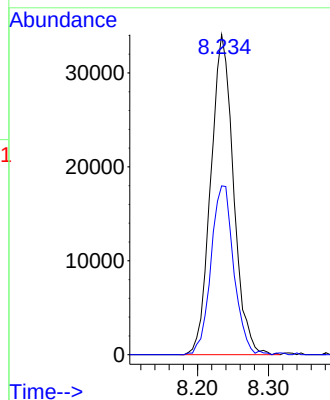
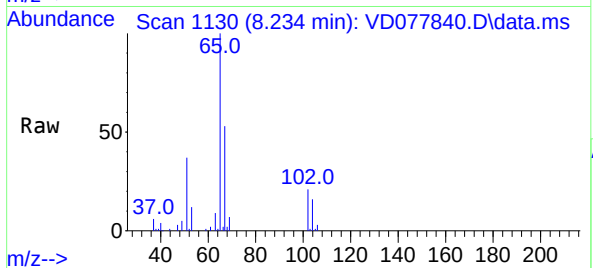




#33
1,2-Dichloroethane-d4
Concen: 46.853 ug/l
RT: 8.234 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

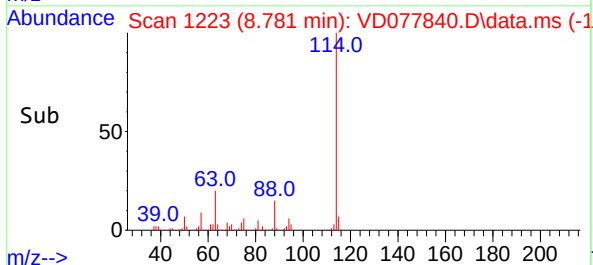
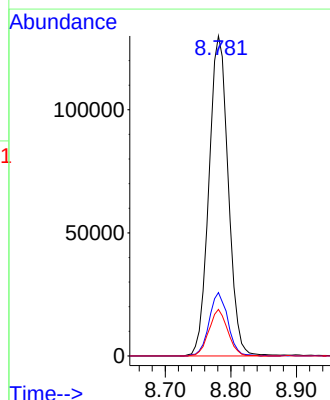
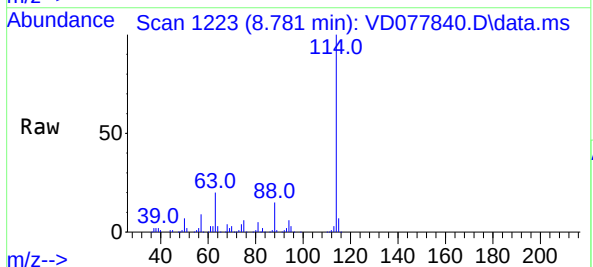
Instrument :
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TT-FRACSEDIMENT-IDWSO-20231207RE

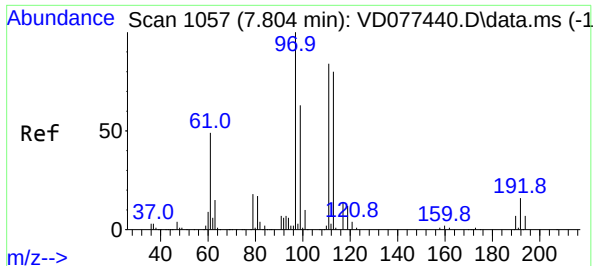
Tgt Ion: 65 Resp: 75556
Ion Ratio Lower Upper
65 100
67 53.1 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion: 114 Resp: 265825
Ion Ratio Lower Upper
114 100
63 19.8 0.0 33.4
88 14.6 0.0 26.2

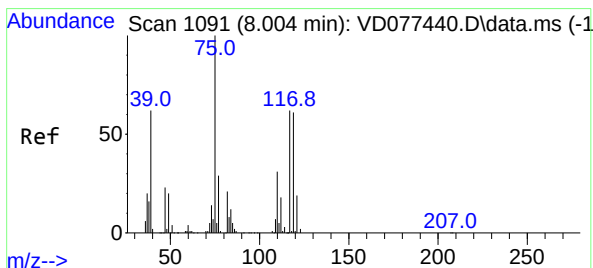
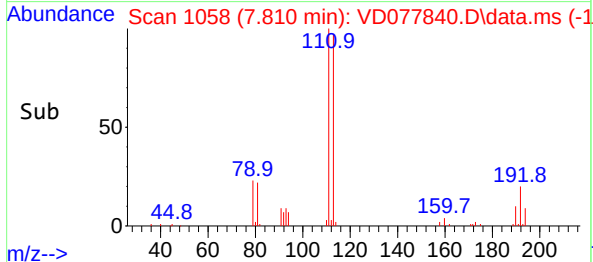
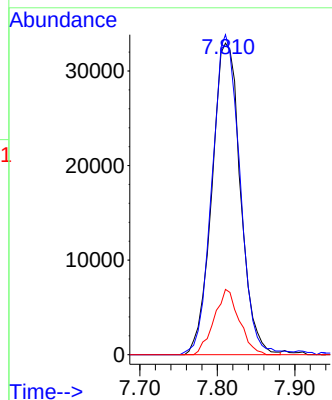
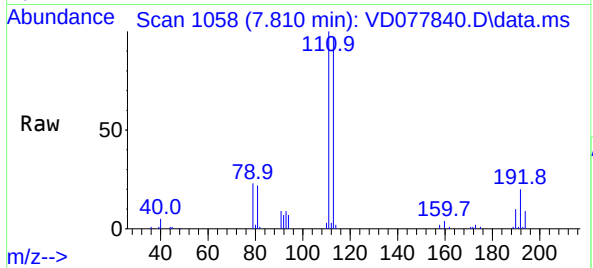




#35
Dibromofluoromethane
Concen: 45.146 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

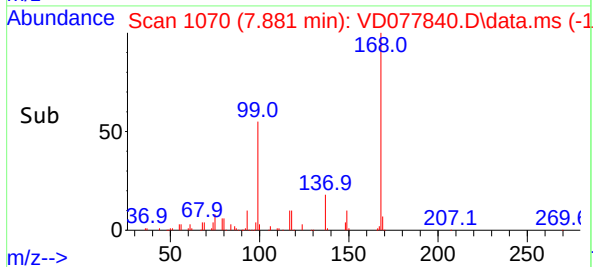
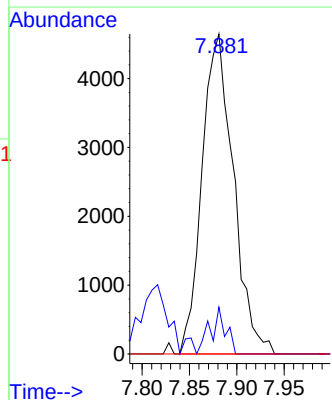
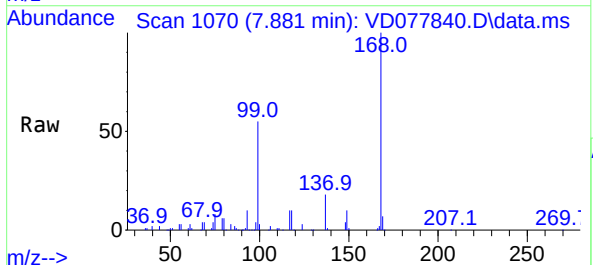
Instrument : MSVOA_D
ClientSampleId : TT-FRACSEDIMENT-IDWSO-20231207RE

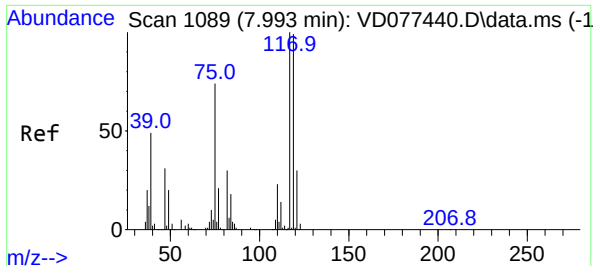
Tgt Ion: 113 Resp: 84063
Ion Ratio Lower Upper
113 100
111 100.6 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.597 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion: 75 Resp: 10713
Ion Ratio Lower Upper
75 100
110 7.2 19.9 59.6#
77 0.0 24.7 37.1#

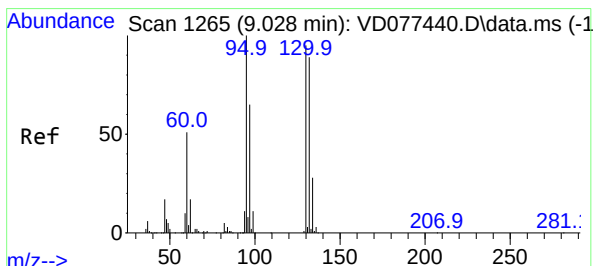
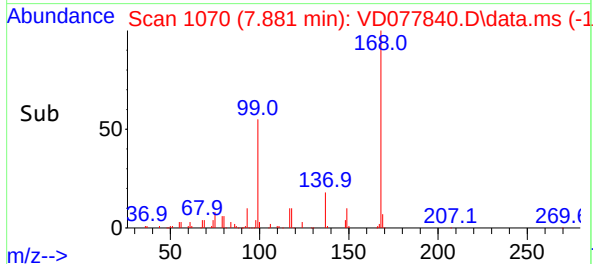
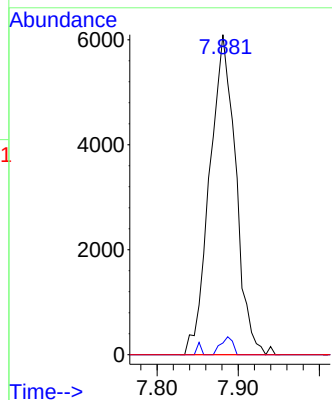
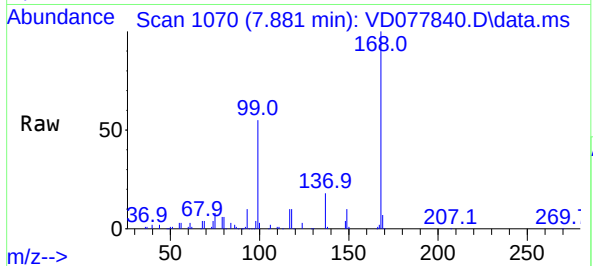




#38
Carbon Tetrachloride
Concen: 4.583 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

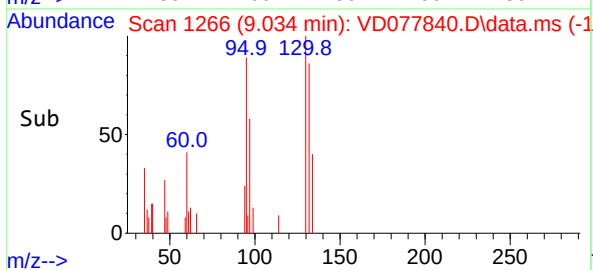
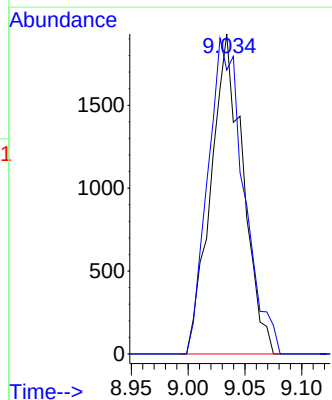
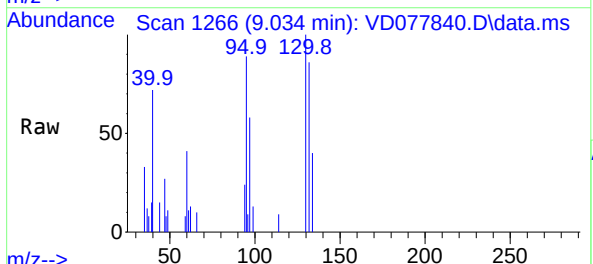
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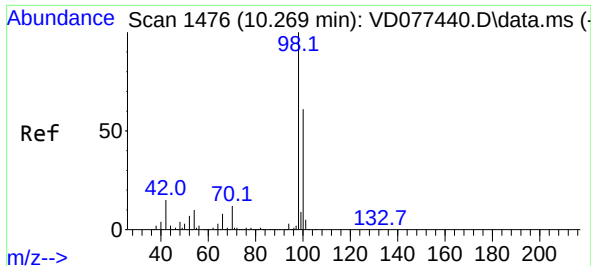
Tgt Ion:117 Resp: 13609
Ion Ratio Lower Upper
117 100
119 3.6 78.0 117.0#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 1.721 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion:130 Resp: 3792
Ion Ratio Lower Upper
130 100
95 88.7 0.0 179.2

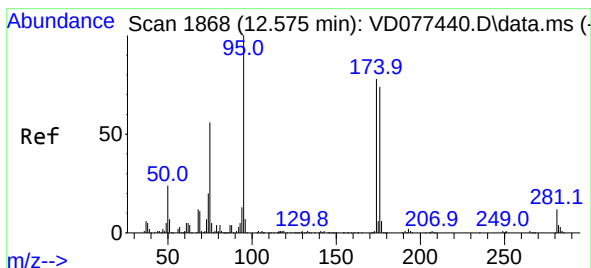
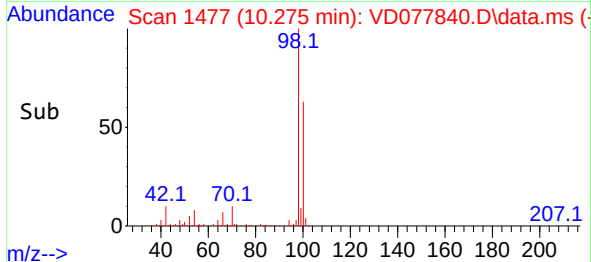
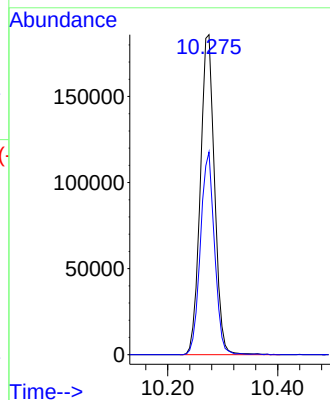
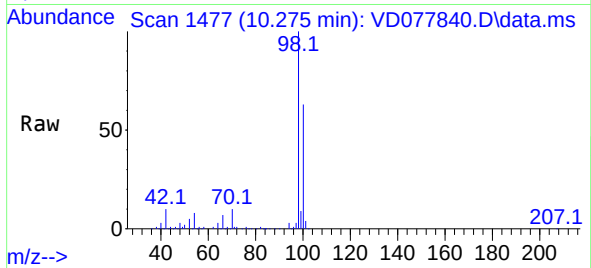




#50
Toluene-d8
Concen: 44.788 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

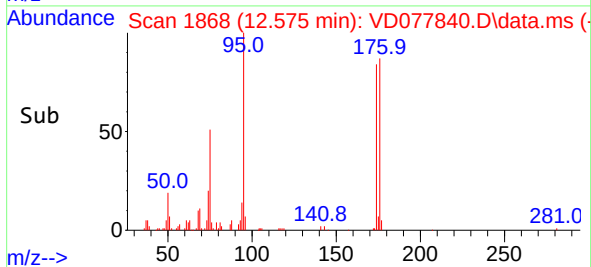
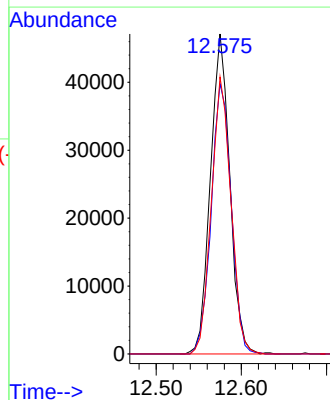
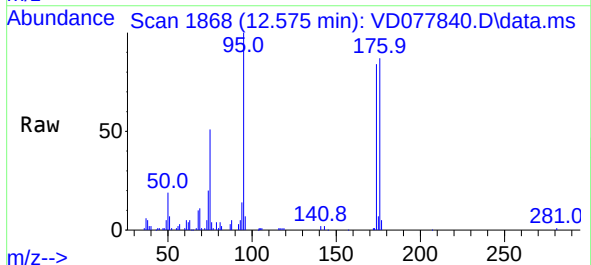
Instrument :
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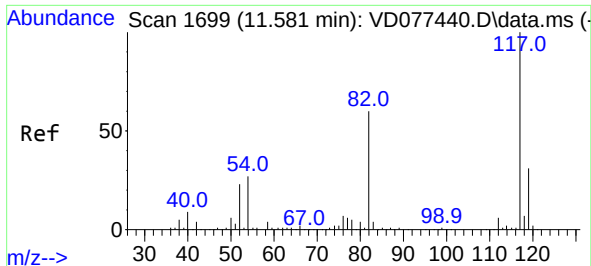
Tgt Ion: 98 Resp: 334008
Ion Ratio Lower Upper
98 100
100 62.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 33.416 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion: 95 Resp: 74506
Ion Ratio Lower Upper
95 100
174 86.9 0.0 201.8
176 87.4 0.0 191.8

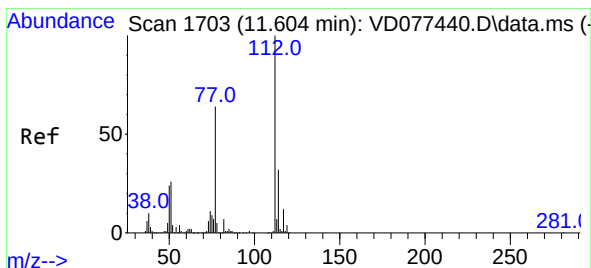
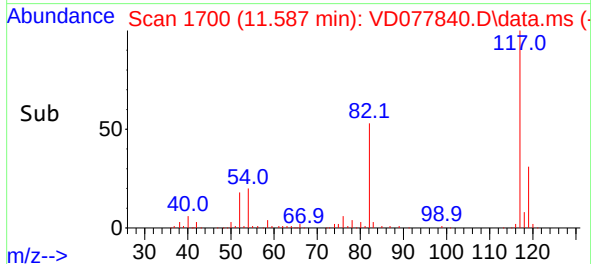
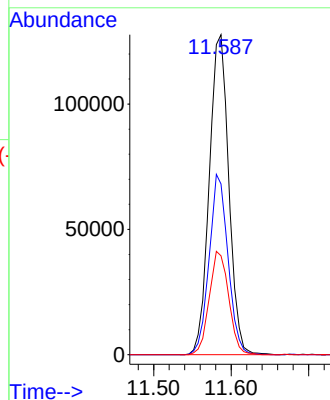
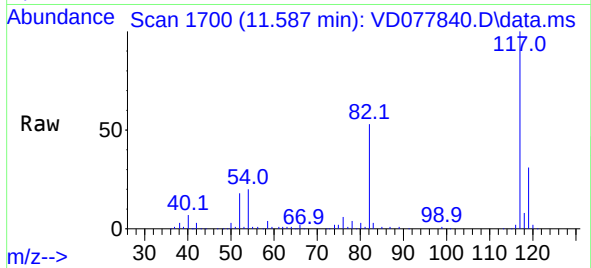




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

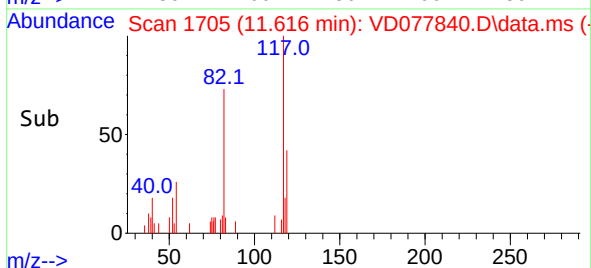
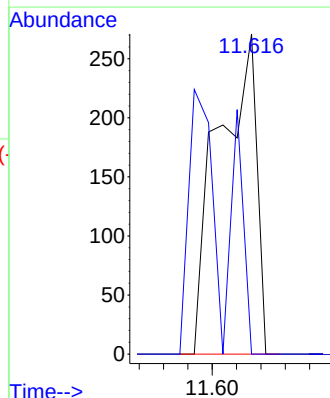
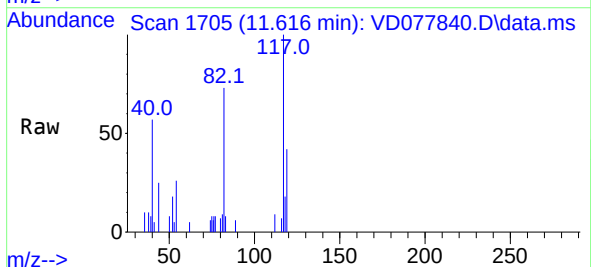
Instrument :
MSVOA_D
ClientSampleId :
TT-FRACSEDIMENT-IDWSO-20231207RE

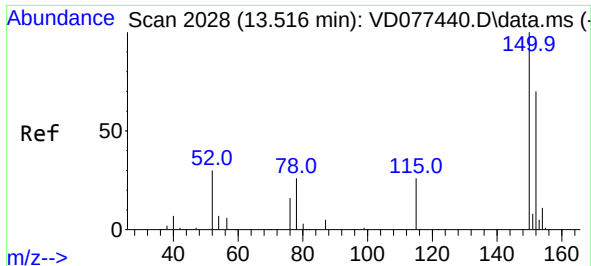
Tgt Ion:117 Resp: 222992
Ion Ratio Lower Upper
117 100
82 53.3 38.3 57.5
119 30.9 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.616 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion:112 Resp: 295
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

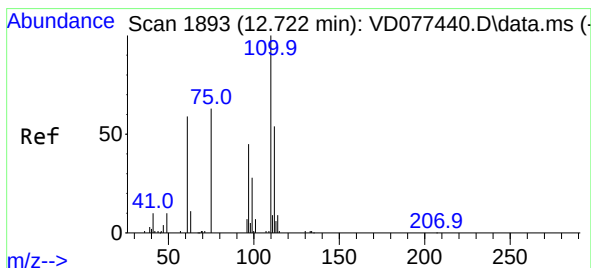
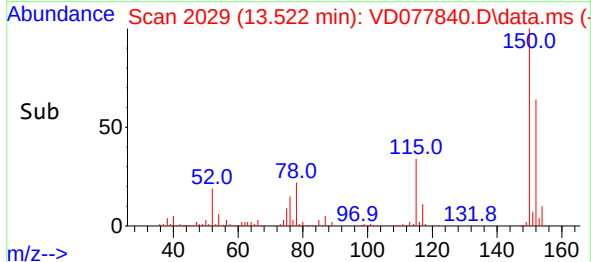
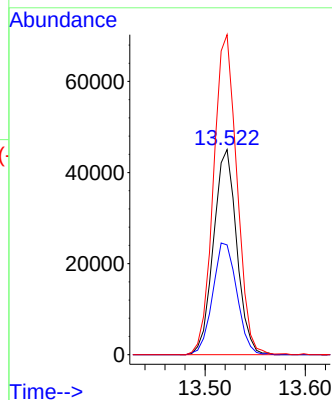
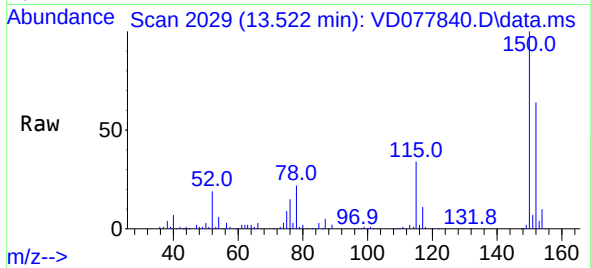




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

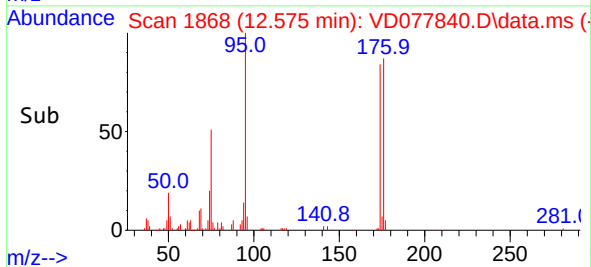
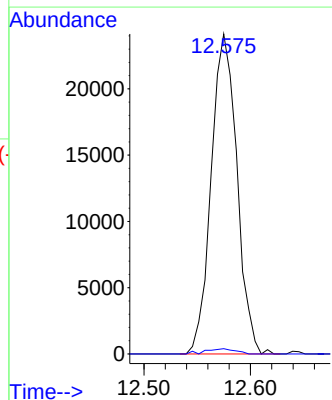
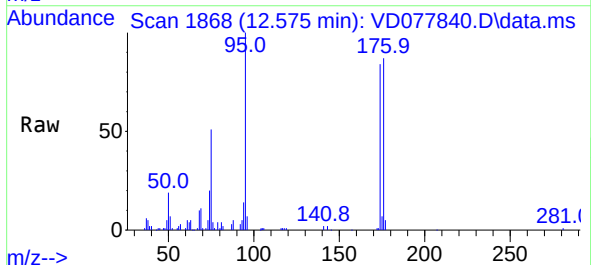
Instrument : MSVOA_D
ClientSampleId : TT-FRACSEDIMENT-IDWSO-20231207RE

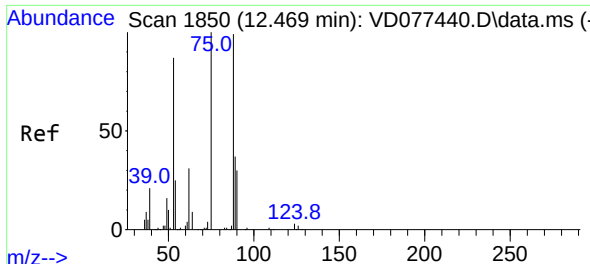
Tgt Ion:152 Resp: 72575
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 157.2 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 64.274 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion: 75 Resp: 40513
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

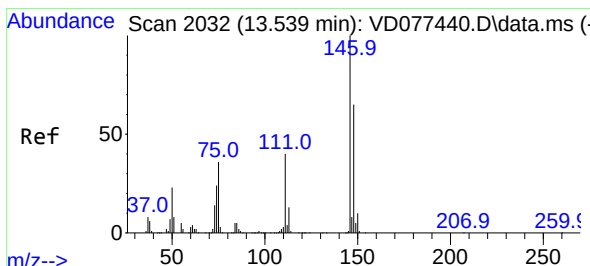
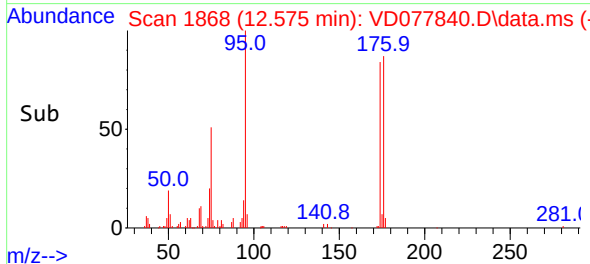
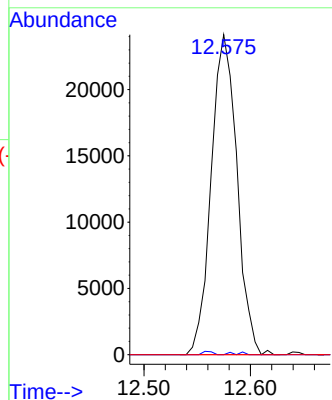
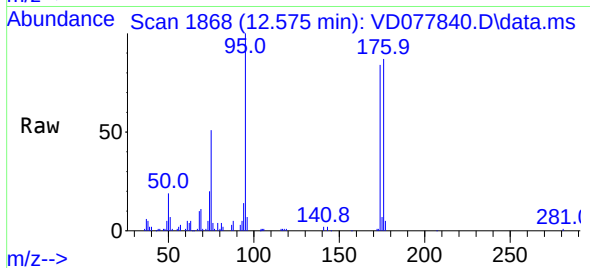




#81
trans-1,4-Dichloro-2-butene
Concen: 130.223 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Instrument : MSVOA_D
ClientSampleId : TT-FRACSEDIMENT-IDWSO-20231207RE

Tgt Ion: 75 Resp: 40513
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077840.D
Acq: 12 Dec 2023 14:24

Tgt Ion:146 Resp: 599
Ion Ratio Lower Upper
146 100
111 223.4 17.4 52.3#
148 115.9 31.7 95.1#

