

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075280.D
 Acq On : 08 Feb 2023 19:09
 Operator : KP/SY
 Sample : 01483-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOPSOIL

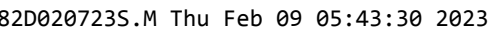
Quant Time: Feb 09 05:43:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

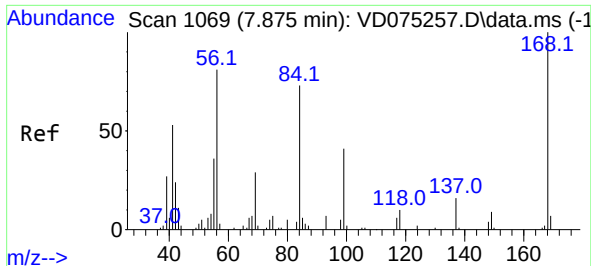
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	51459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	97642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	94910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	39732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	30838	51.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.220%	
35) Dibromofluoromethane	7.810	113	31316	45.739	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.480%	
50) Toluene-d8	10.269	98	121981	46.979	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.960%	
62) 4-Bromofluorobenzene	12.575	95	39364	45.978	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	55	Below Cal	#	41
16) Acetone	4.040	43	1062	6.656	ug/l #	42
20) Methylene Chloride	4.799	84	1804	Below Cal	#	86
31) Cyclohexane	7.887	56	1213	1.132	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	4356	4.084	ug/l #	48
38) Carbon Tetrachloride	7.875	117	5220	5.282	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	656	1.460	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	20882	46.271	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	20882	145.998	ug/l #	14

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

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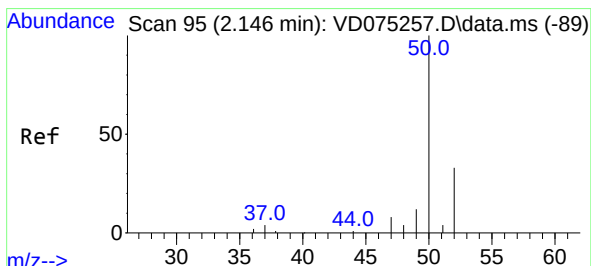
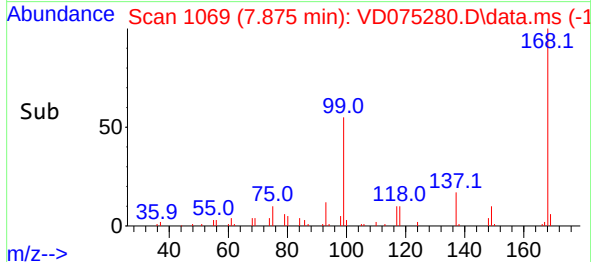
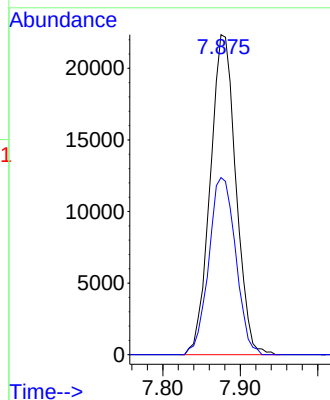
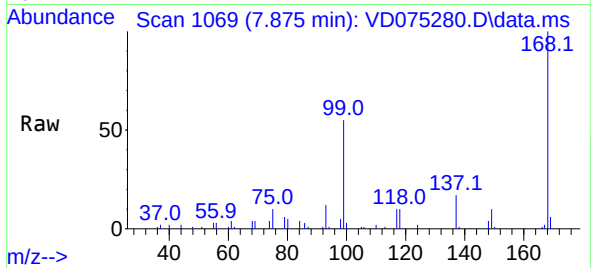




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

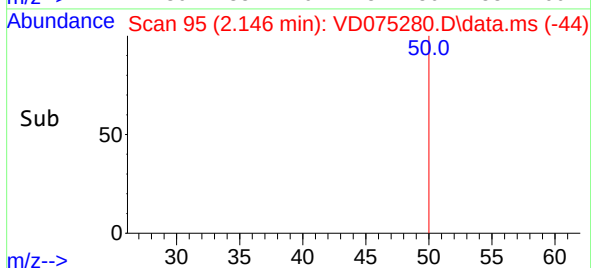
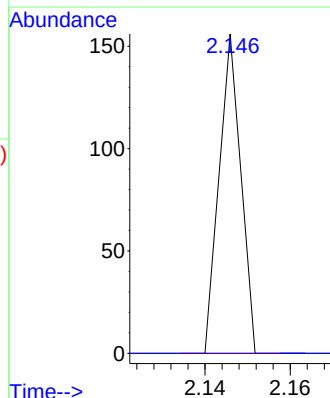
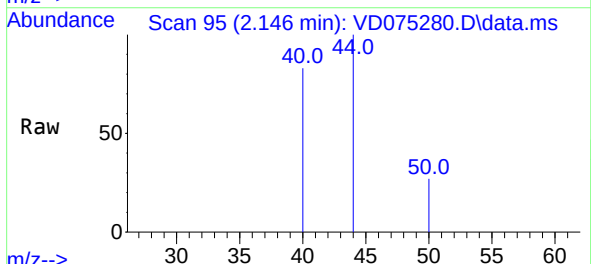
Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL

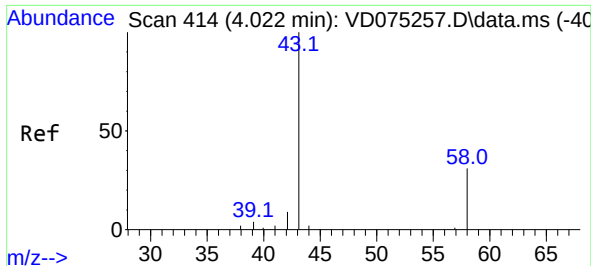
Tgt Ion:168 Resp: 51459
Ion Ratio Lower Upper
168 100
99 55.4 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

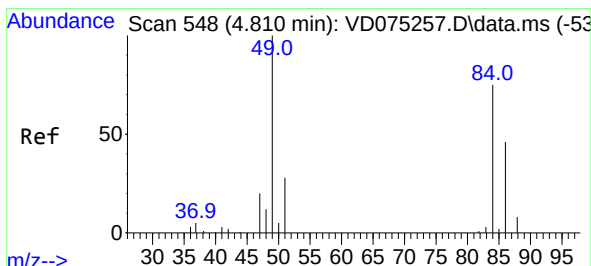
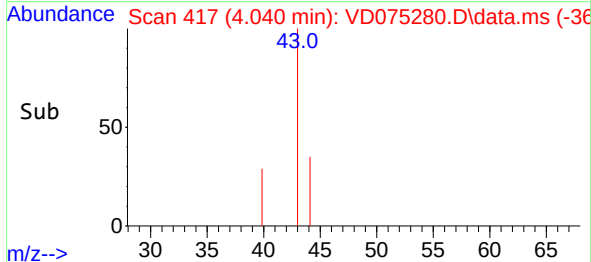
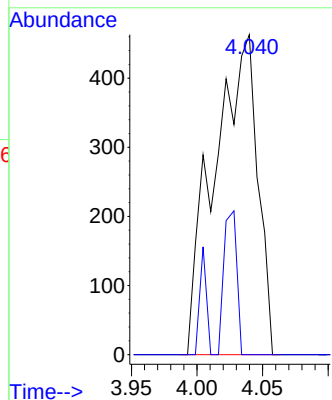
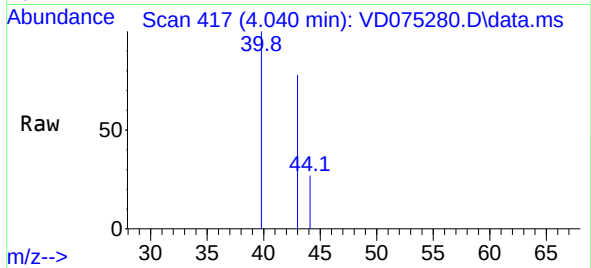




#16
Acetone
Concen: 6.656 ug/l
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

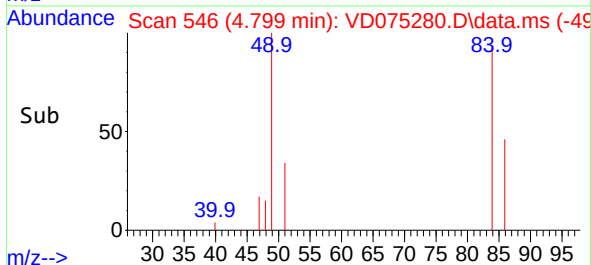
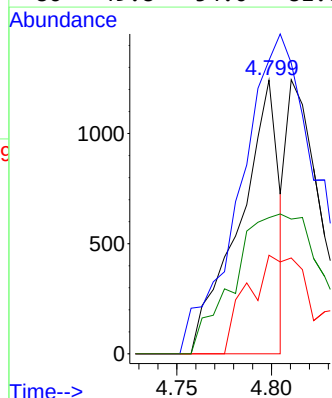
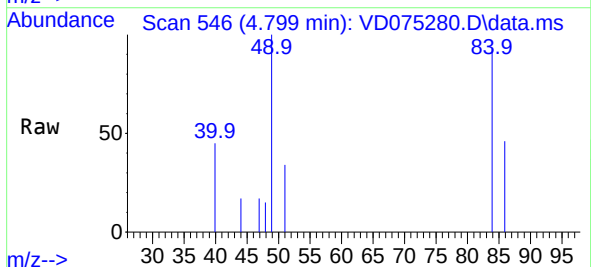
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ClientSampleId :
TOPSOIL

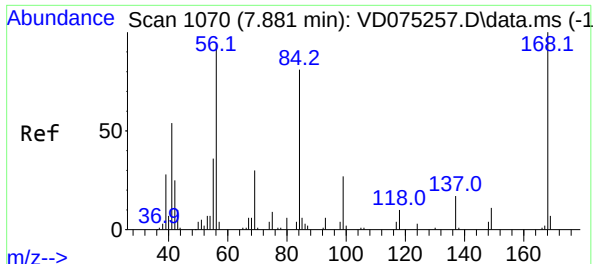
Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

Tgt Ion: 84 Resp: 1804
Ion Ratio Lower Upper
84 100
49 107.2 97.0 145.6
51 36.1 30.9 46.3
86 49.8 54.0 81.0#

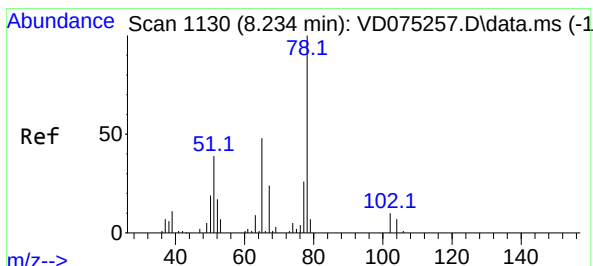
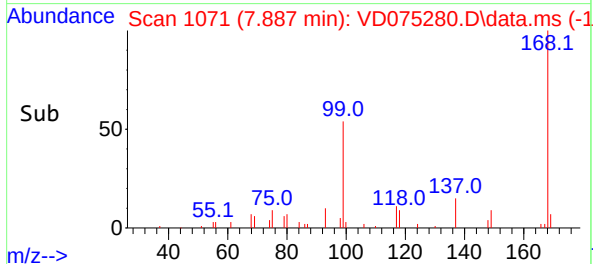
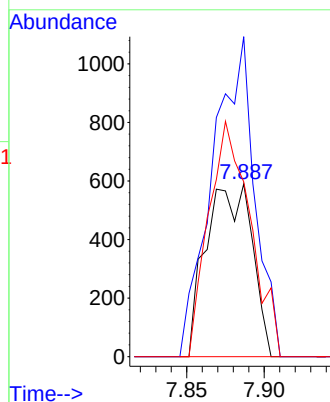
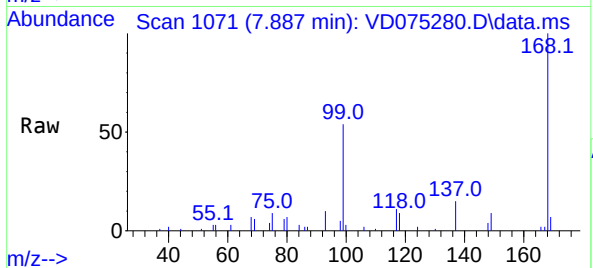




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.887 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

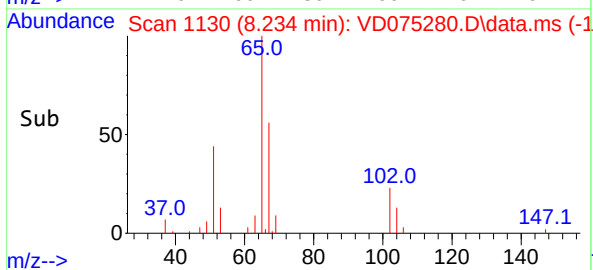
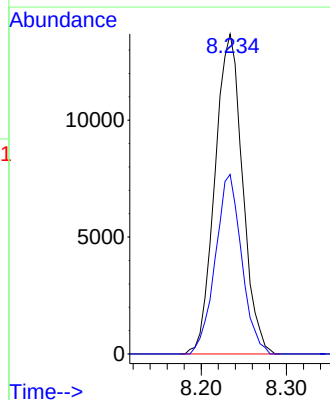
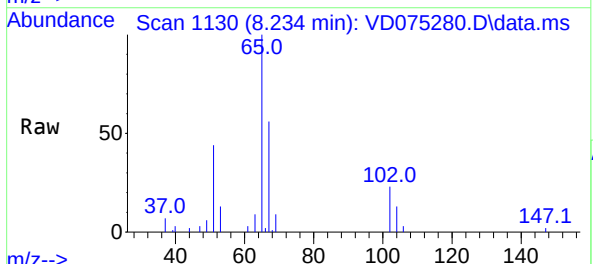
Instrument :
MSVOA_D
ClientSampleId :
TOPSOIL

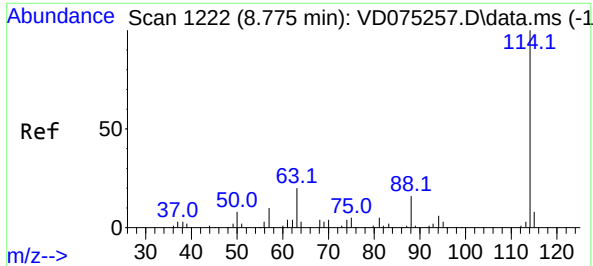
Tgt Ion: 56 Resp: 1213
Ion Ratio Lower Upper
56 100
69 185.3 26.6 40.0#
84 101.2 74.1 111.1



#33
1,2-Dichloroethane-d4
Concen: 51.107 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

Tgt Ion: 65 Resp: 30838
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.2

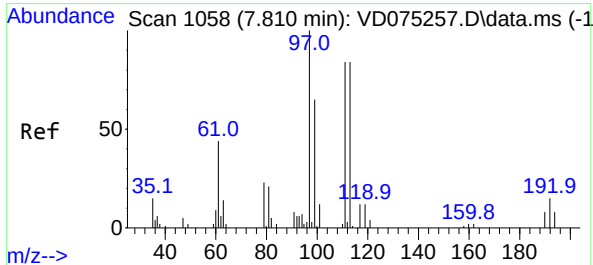
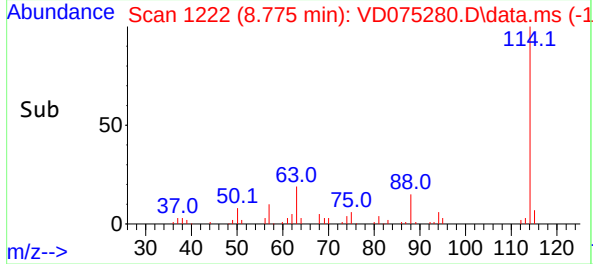
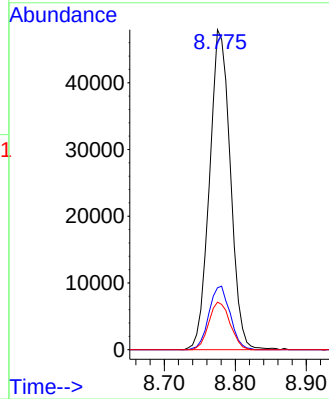
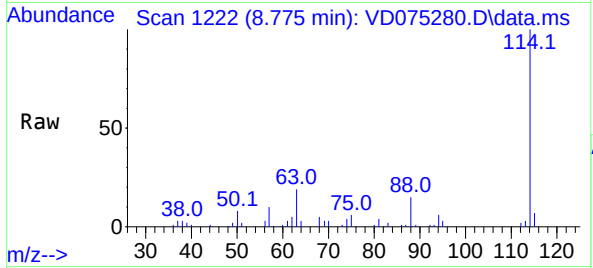




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

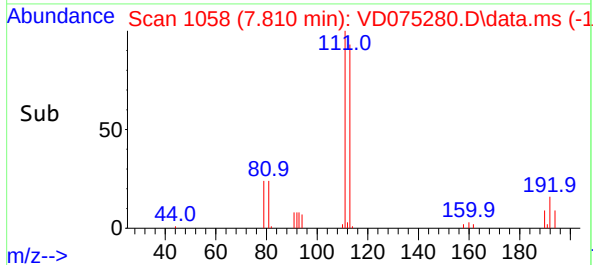
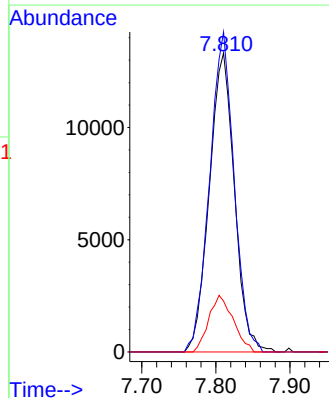
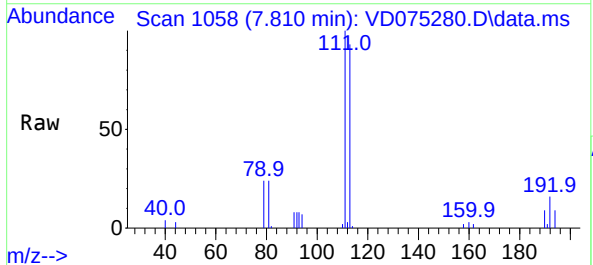
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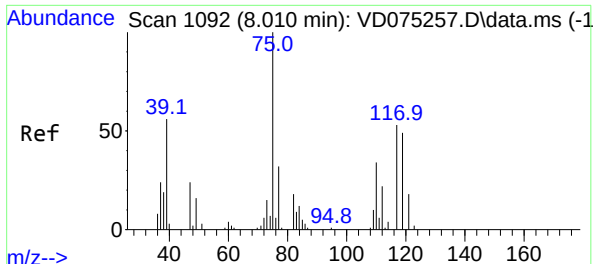
Tgt Ion:114 Resp: 97642
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.2
88 14.9 0.0 32.2



#35
Dibromofluoromethane
Concen: 45.739 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

Tgt Ion:113 Resp: 31316
Ion Ratio Lower Upper
113 100
111 104.6 80.1 120.1
192 18.4 15.4 23.0

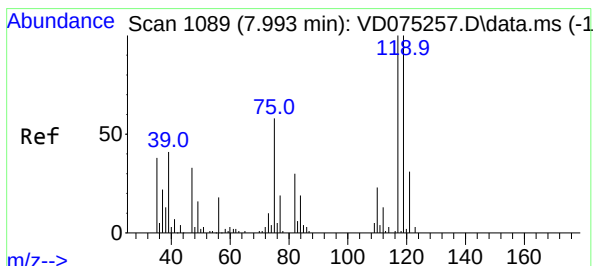
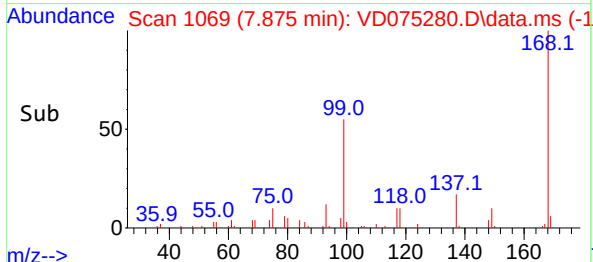
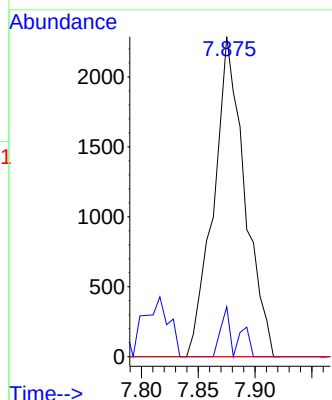
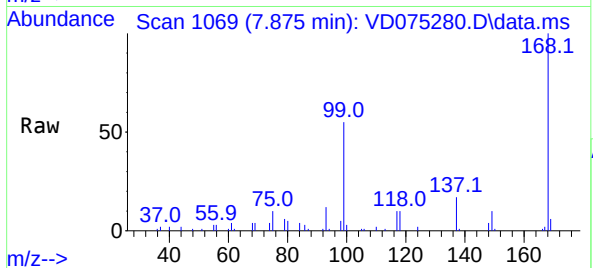




#36
1,1-Dichloropropene
Concen: 4.084 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

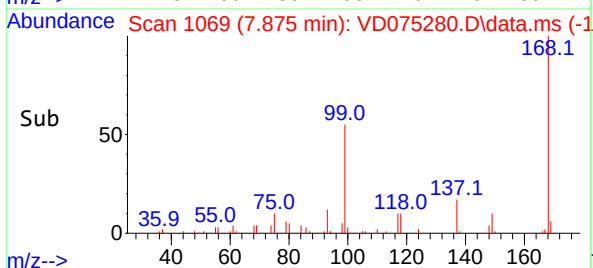
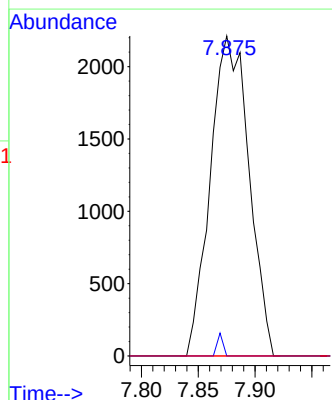
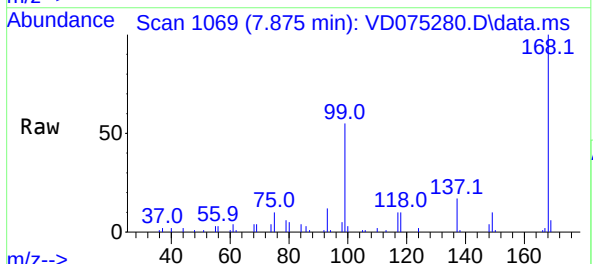
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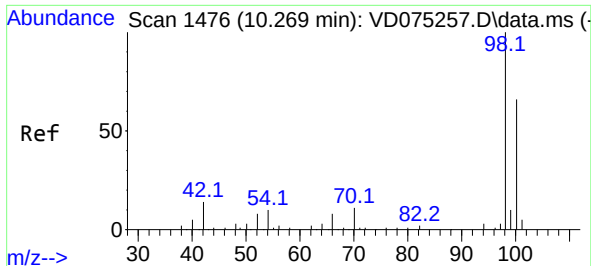
Tgt Ion: 75 Resp: 4356
Ion Ratio Lower Upper
75 100
110 7.5 18.1 54.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.282 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

Tgt Ion: 117 Resp: 5220
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.4 38.0#

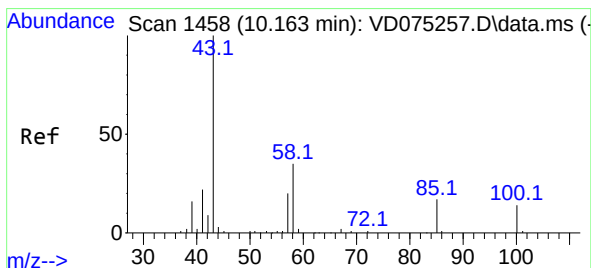
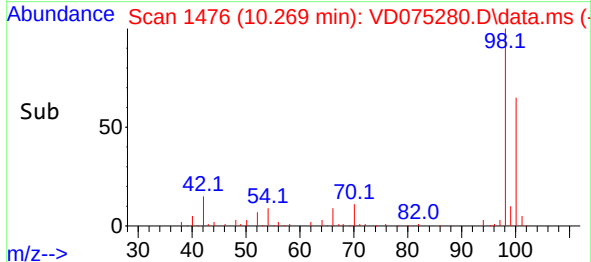
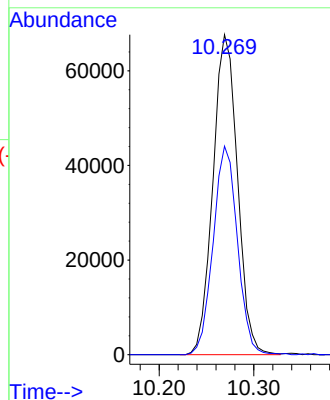
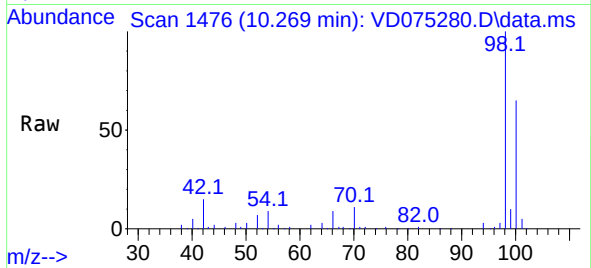




#50
Toluene-d8
Concen: 46.979 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

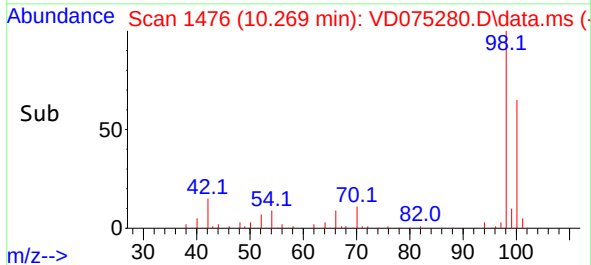
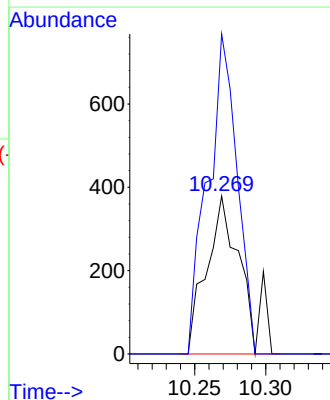
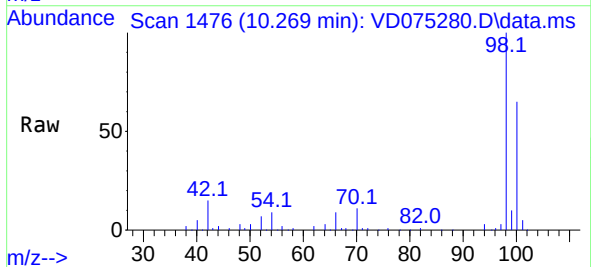
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ClientSampleId :
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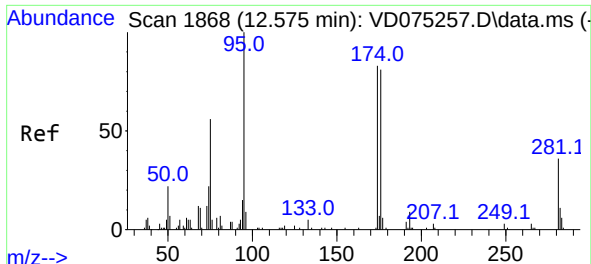
Tgt Ion: 98 Resp: 121981
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.460 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
58 168.0 31.4 47.0#

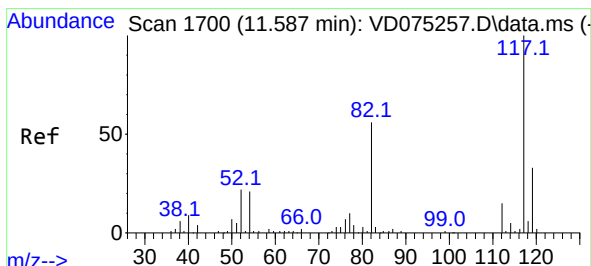
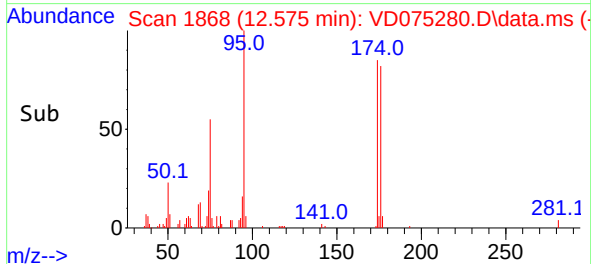
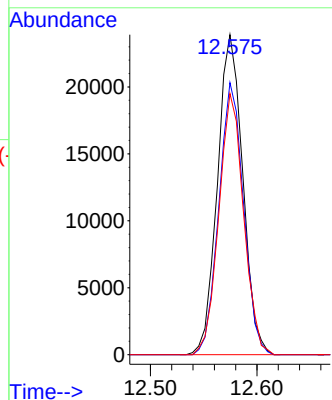
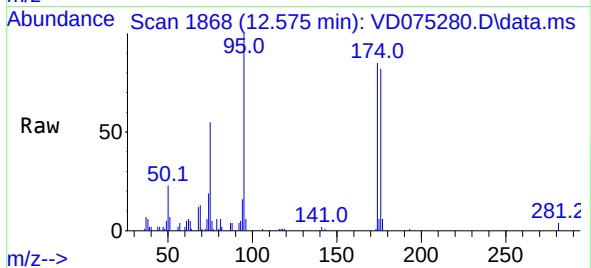




#62
4-Bromofluorobenzene
Concen: 45.978 ug/l
RT: 12.575 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

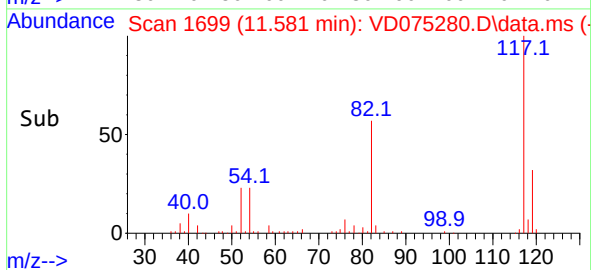
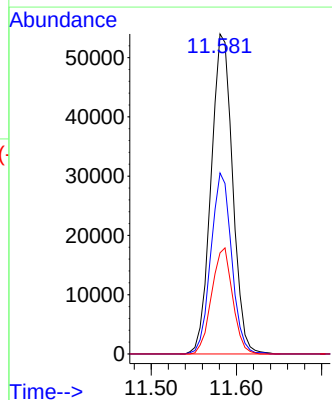
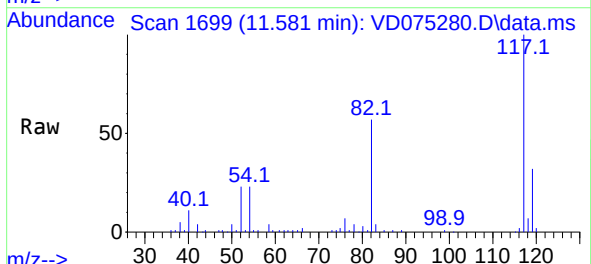
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MSVOA_D
ClientSampleId :
TOPSOIL

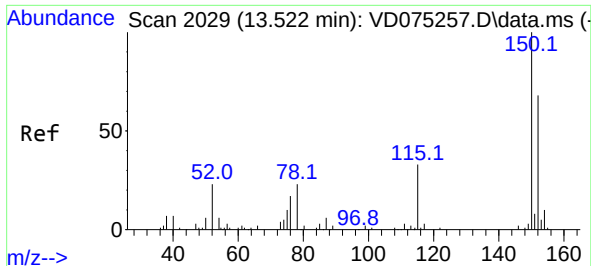
Tgt Ion:	95	Resp:	39364
Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	161.2
176	79.7	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075280.D
Acq: 08 Feb 2023 19:09

Tgt Ion:	117	Resp:	94910
Ion	Ratio	Lower	Upper
117	100		
82	56.5	39.6	59.4
119	31.6	24.6	37.0

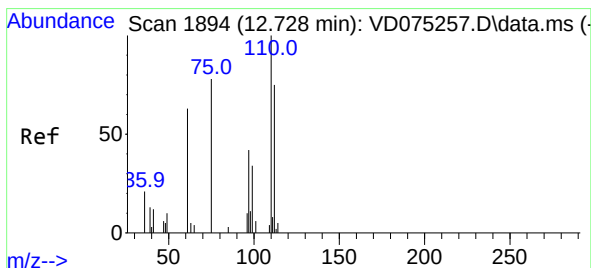
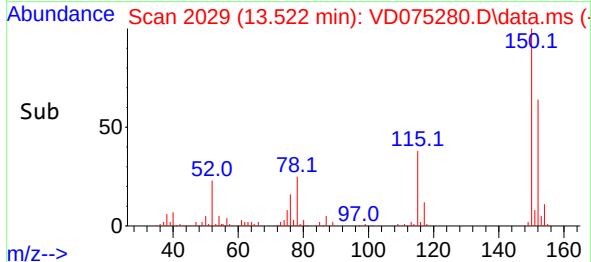
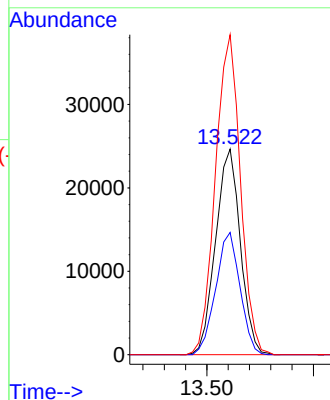
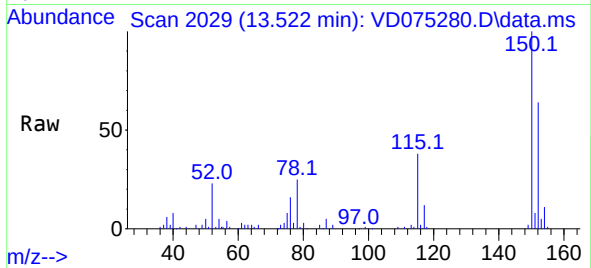




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075280.D
 Acq: 08 Feb 2023 19:09

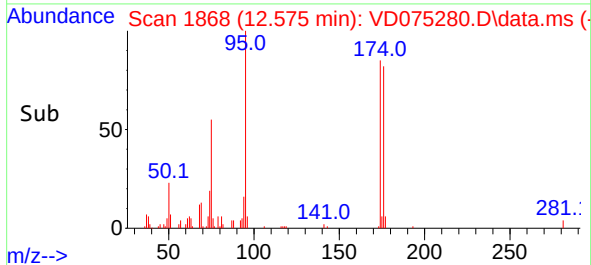
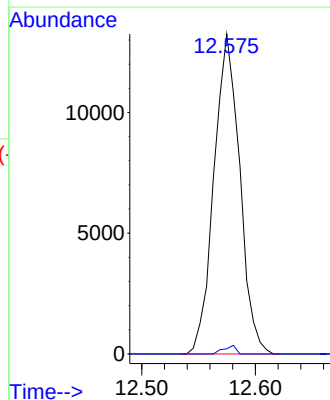
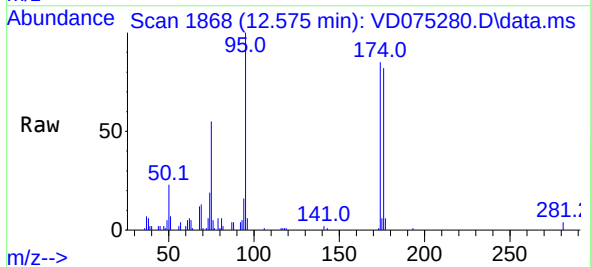
Instrument :
 MSVOA_D
 ClientSampleId :
 TOPSOIL

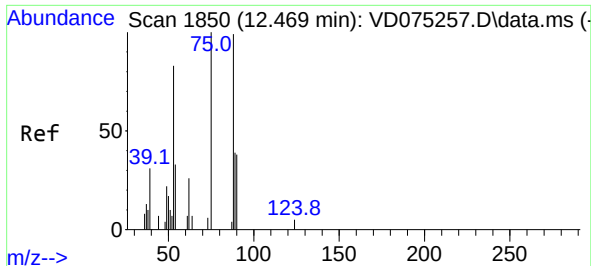
Tgt Ion:152 Resp: 39732
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.8 86.4
 150 157.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 46.271 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075280.D
 Acq: 08 Feb 2023 19:09

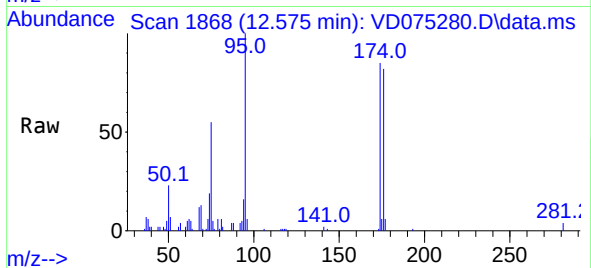
Tgt Ion: 75 Resp: 20882
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.998 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075280.D
 Acq: 08 Feb 2023 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 TOPSOIL



Tgt Ion: 75 Resp: 20882
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

