

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075660.D
 Acq On : 13 Apr 2023 15:01
 Operator : KP/SY
 Sample : BLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BLK

Quant Time: Apr 14 01:34:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

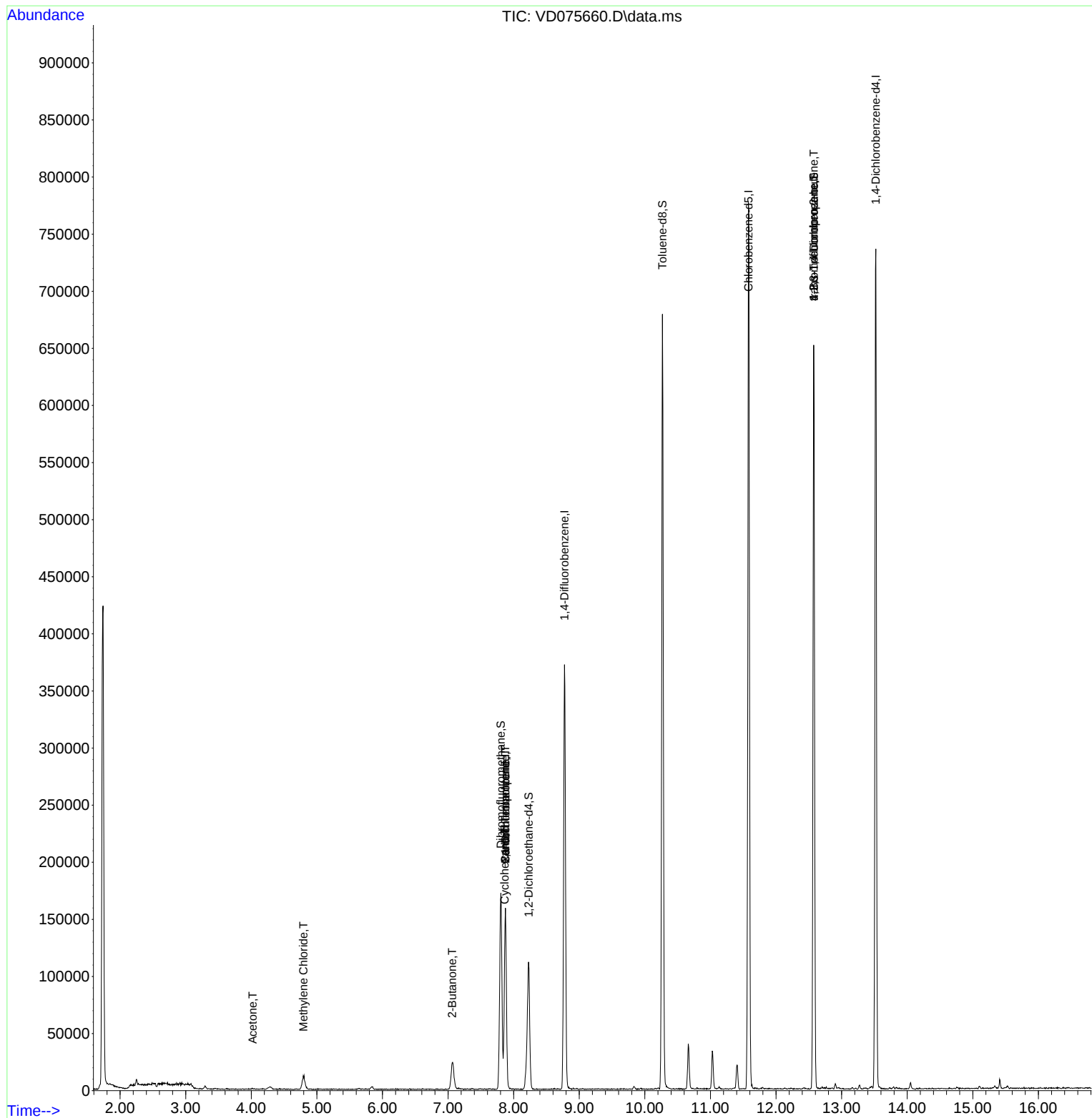
Internal Standards						
1) Pentafluorobenzene	7.875	168	128935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	358467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	506439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	212863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82594	67.487	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.980%			
35) Dibromofluoromethane	7.804	113	130745	54.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.460%			
50) Toluene-d8	10.269	98	489879	50.737	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.575	95	196939	76.739	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 153.480%#			
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	928	4.139	ug/l #	44
20) Methylene Chloride	4.793	84	10330	1.479	ug/l #	70
25) 2-Butanone	7.063	43	960	3.325	ug/l #	50
31) Cyclohexane	7.863	56	2340	1.218	ug/l #	36
36) 1,1-Dichloropropene	7.875	75	9813	2.950	ug/l #	51
38) Carbon Tetrachloride	7.875	117	12597	4.301	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	95401	54.958	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	95401	119.117	ug/l #	5

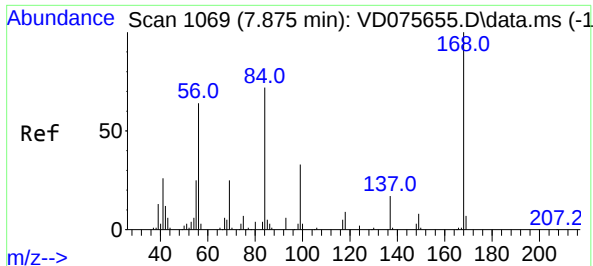
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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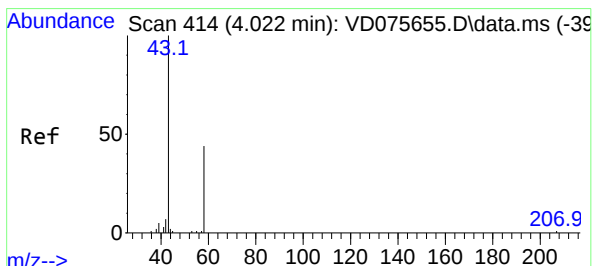
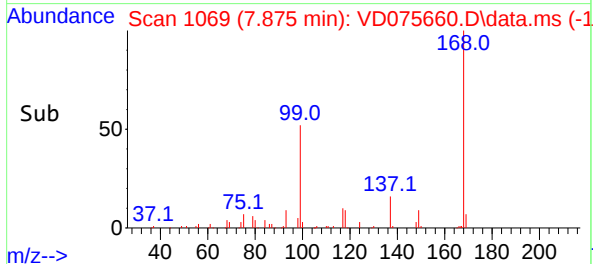
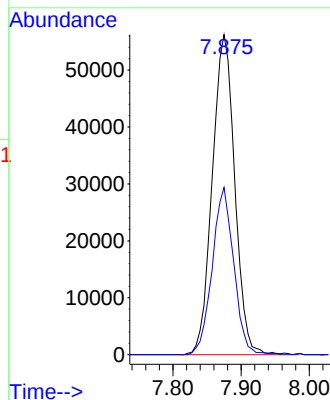
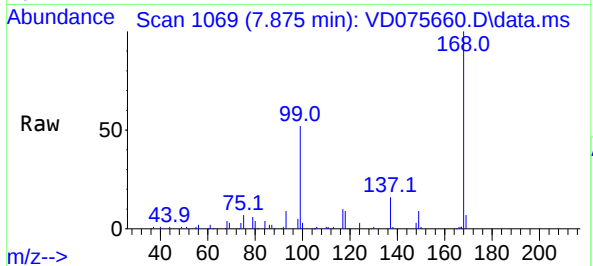




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

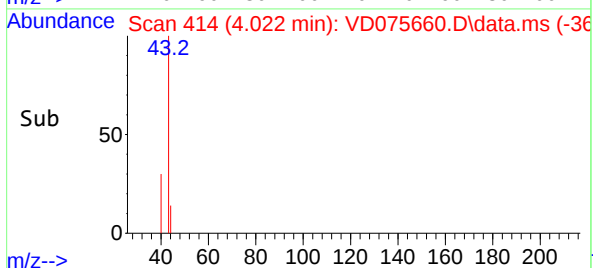
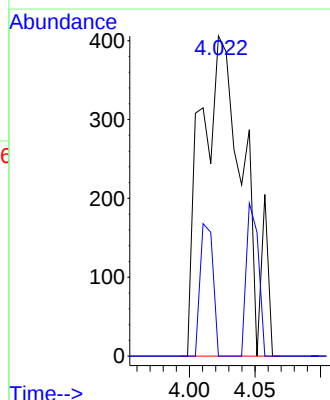
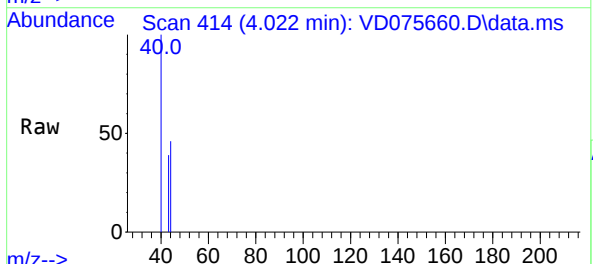
Instrument :
MSVOA_D
ClientSampleId :
BLK

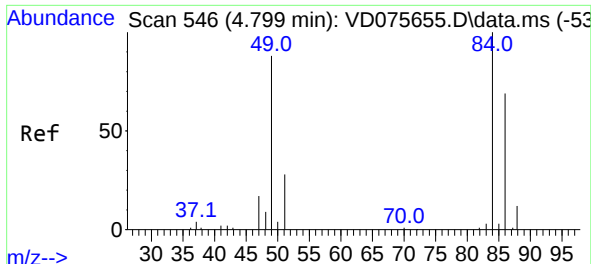
Tgt Ion:168 Resp: 128935
Ion Ratio Lower Upper
168 100
99 52.2 43.8 65.6



#16
Acetone
Concen: 4.139 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

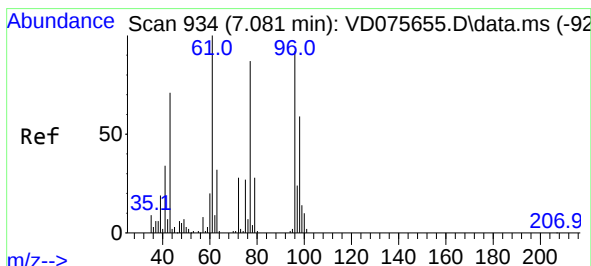
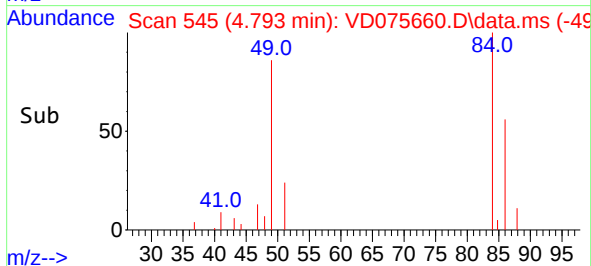
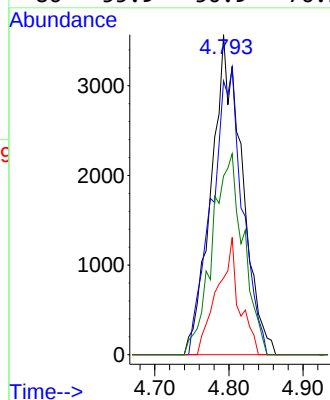
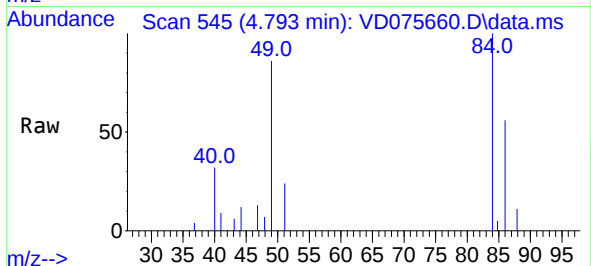




#20
Methylene Chloride
Concen: 1.479 ug/l
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

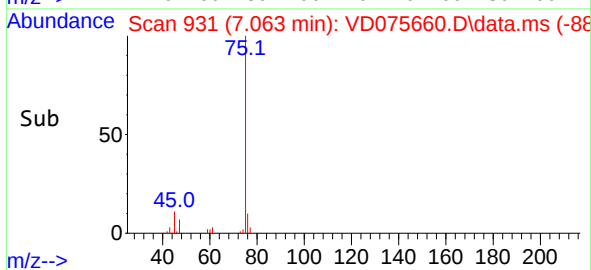
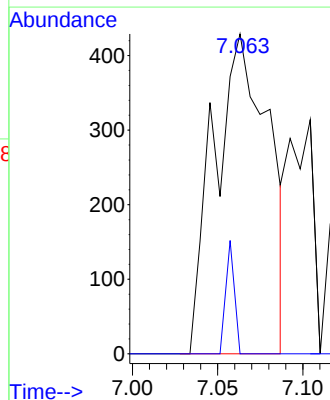
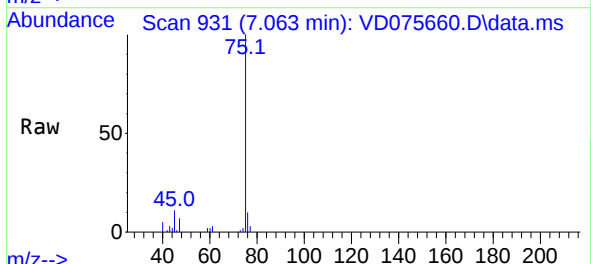
Instrument :
MSVOA_D
ClientSampleId :
BLK

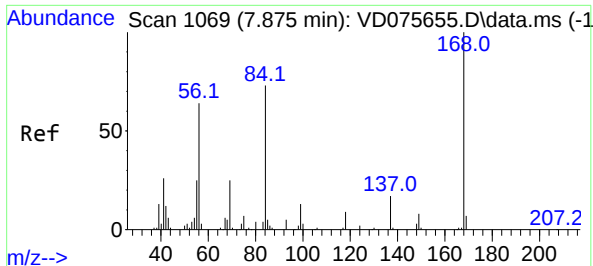
Tgt Ion:	84	Resp:	10330
Ion	Ratio	Lower	Upper
84	100		
49	85.6	106.4	159.6#
51	24.0	32.4	48.6#
86	55.9	50.9	76.3



#25
2-Butanone
Concen: 3.325 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Tgt Ion:	43	Resp:	960
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.8#

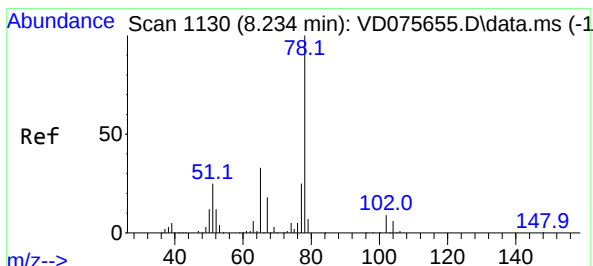
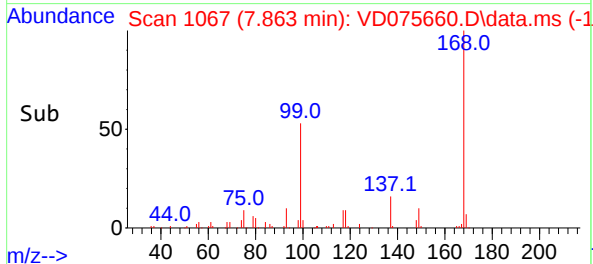
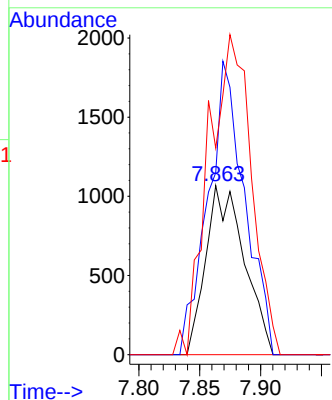
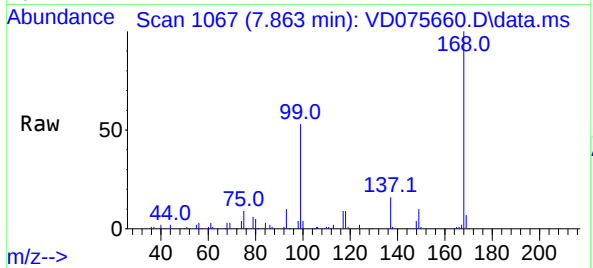




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.863 min Scan# 1109
Delta R.T. -0.012 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

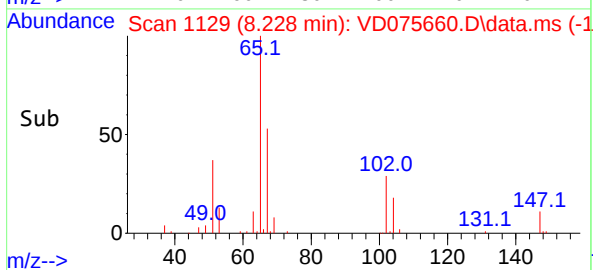
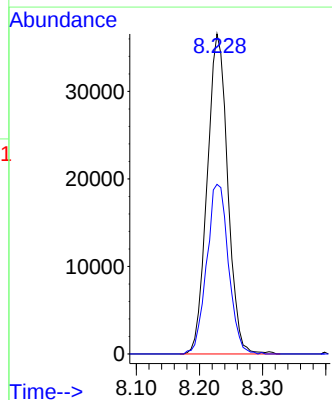
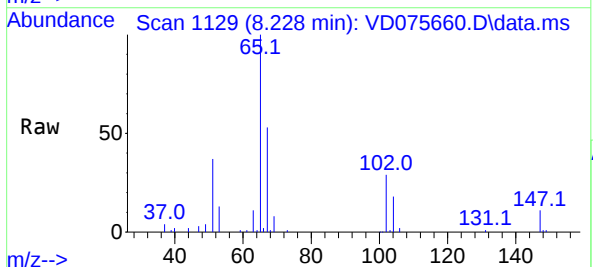
Instrument :
MSVOA_D
ClientSampleId :
BLK

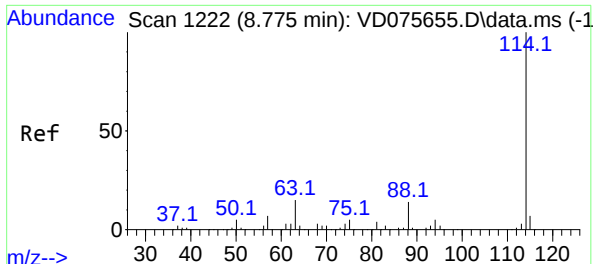
Tgt Ion: 56 Resp: 2340
Ion Ratio Lower Upper
56 100
69 107.6 25.5 38.3#
84 122.1 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 67.487 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 65 Resp: 82594
Ion Ratio Lower Upper
65 100
67 56.1 0.0 102.2

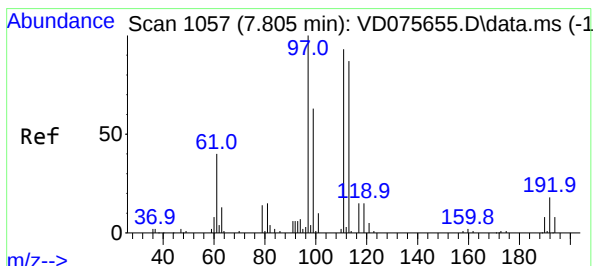
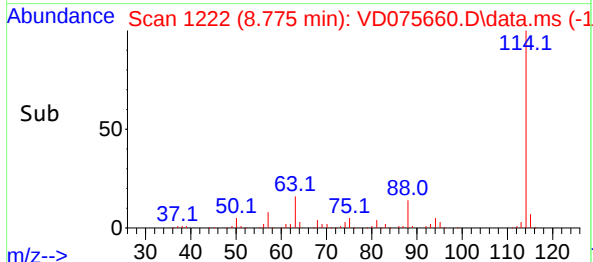
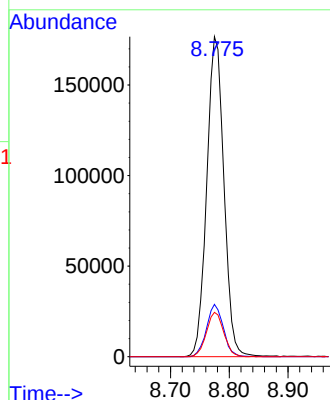
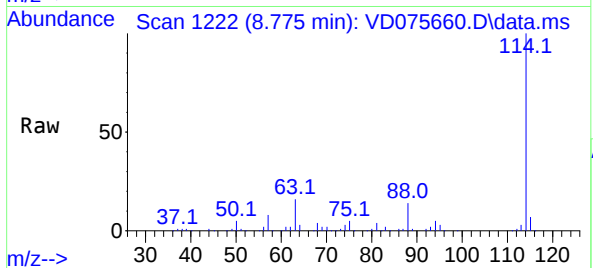




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

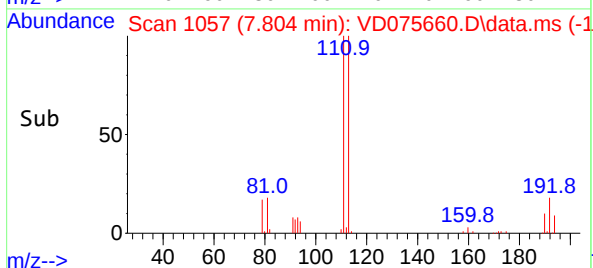
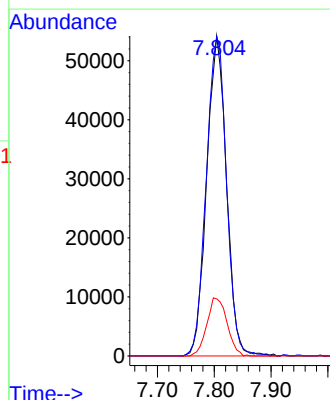
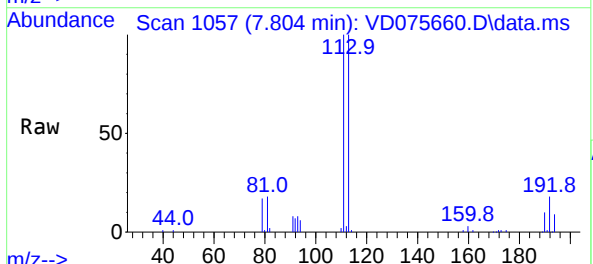
Instrument :
MSVOA_D
ClientSampleId :
BLK

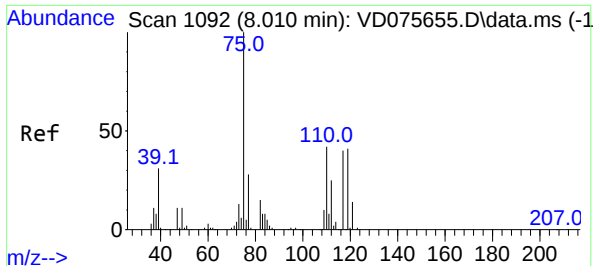
Tgt Ion:114 Resp: 358467
Ion Ratio Lower Upper
114 100
63 16.4 0.0 41.6
88 13.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.228 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Tgt Ion:113 Resp: 130745
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 18.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 2.950 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075660.D

Acq: 13 Apr 2023 15:01

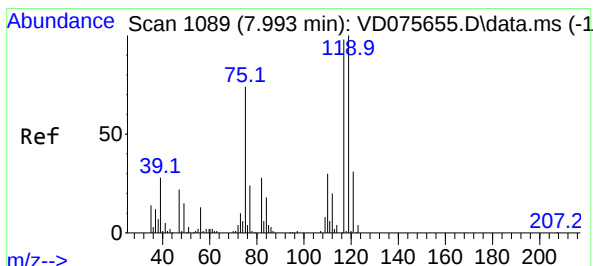
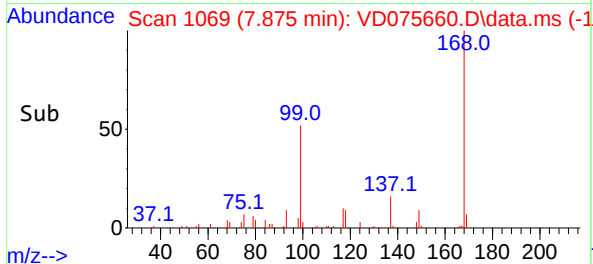
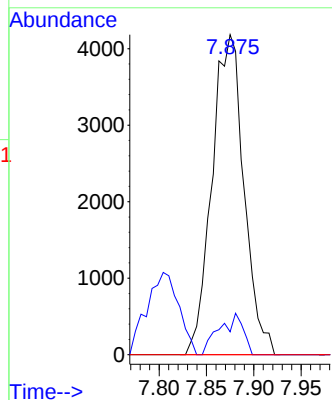
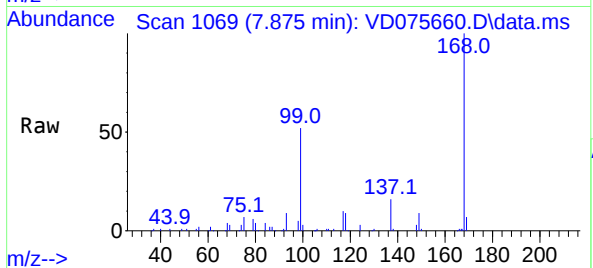
Instrument :

MSVOA_D

ClientSampleId :

BLK

Tgt Ion:	75	Resp:	9813
Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.1	51.2#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 4.301 ug/l

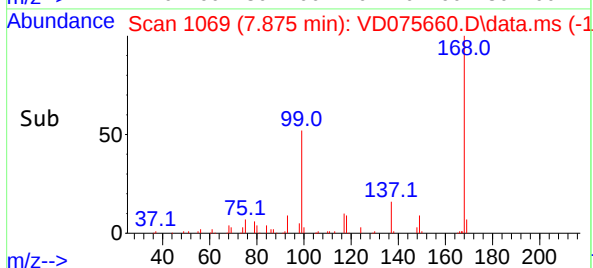
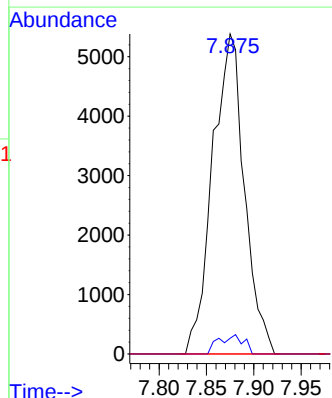
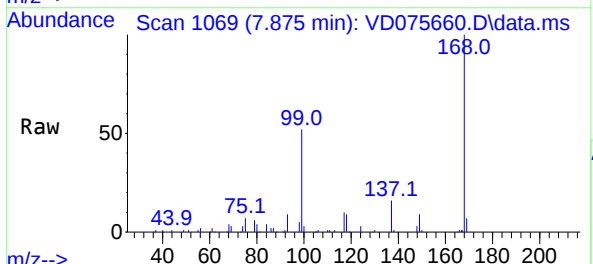
RT: 7.875 min Scan# 1069

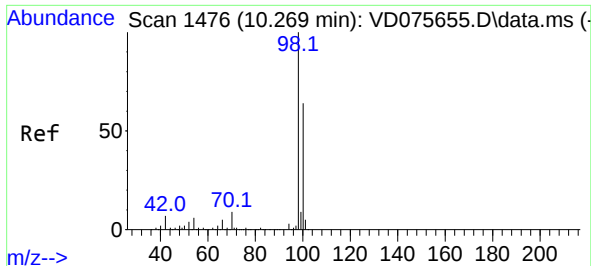
Delta R.T. -0.118 min

Lab File: VD075660.D

Acq: 13 Apr 2023 15:01

Tgt Ion:	117	Resp:	12597
Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.7	112.1#
121	0.0	25.9	38.9#

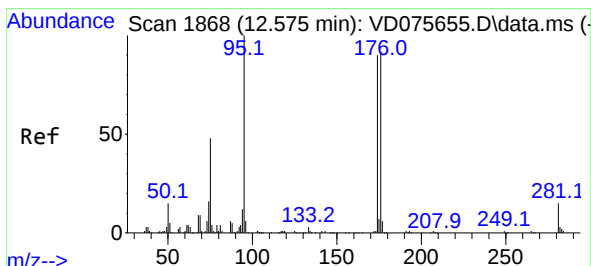
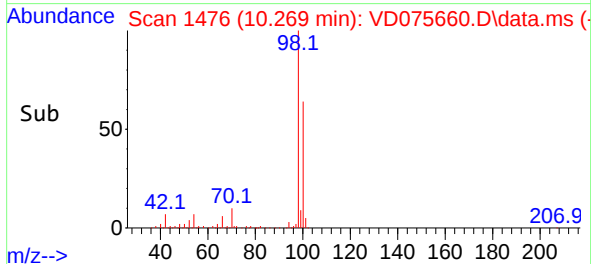
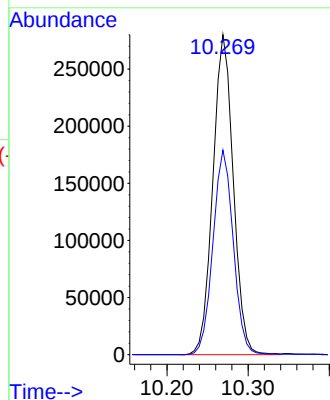
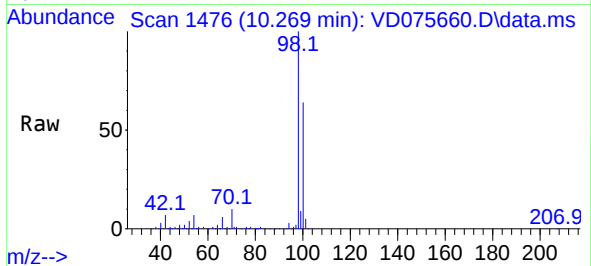




#50
Toluene-d8
Concen: 50.737 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

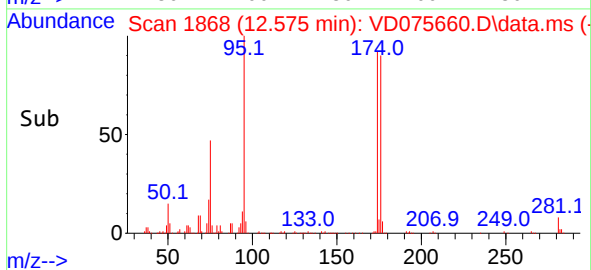
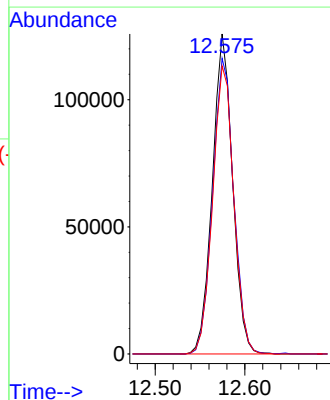
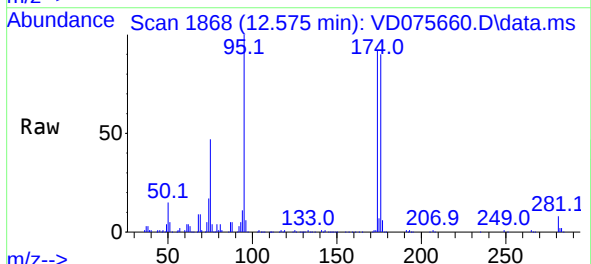
Instrument :
MSVOA_D
ClientSampleId :
BLK

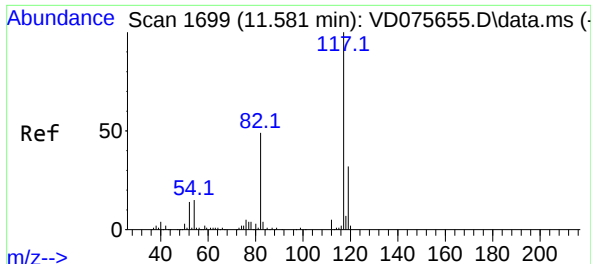
Tgt Ion: 98 Resp: 489879
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 76.739 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 95 Resp: 196939
Ion Ratio Lower Upper
95 100
174 96.0 0.0 164.0
176 93.9 0.0 156.8

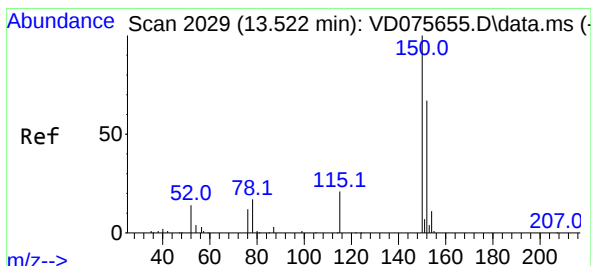
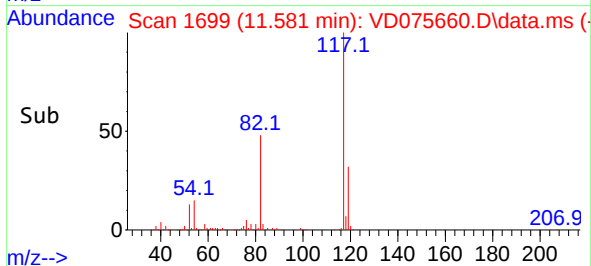
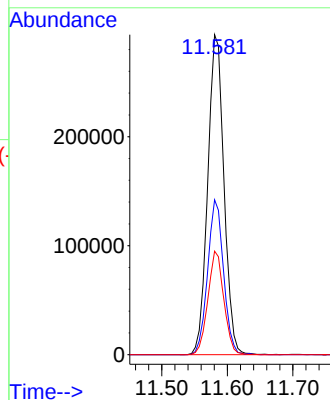
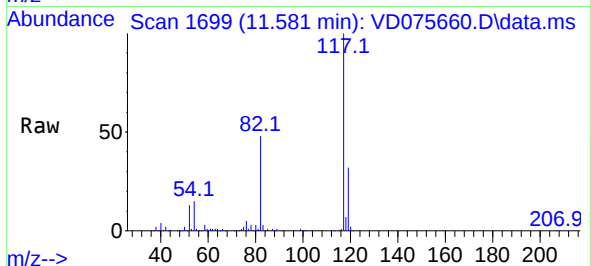




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

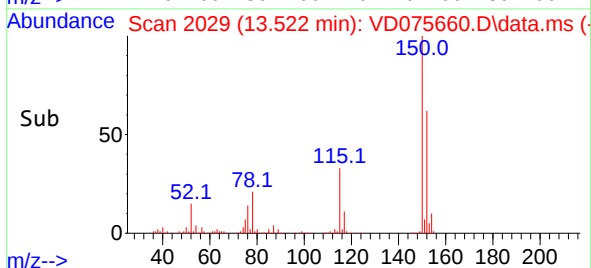
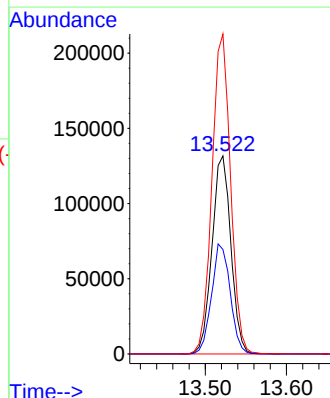
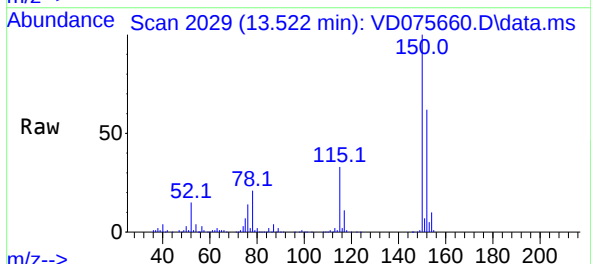
Instrument :
MSVOA_D
ClientSampleId :
BLK

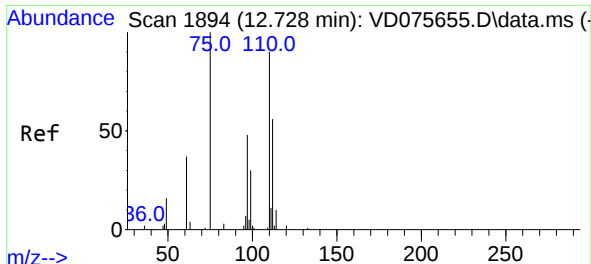
Tgt Ion:117 Resp: 506439
Ion Ratio Lower Upper
117 100
82 48.4 44.0 66.0
119 32.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Tgt Ion:152 Resp: 212863
Ion Ratio Lower Upper
152 100
115 54.8 30.1 90.3
150 158.8 0.0 364.8

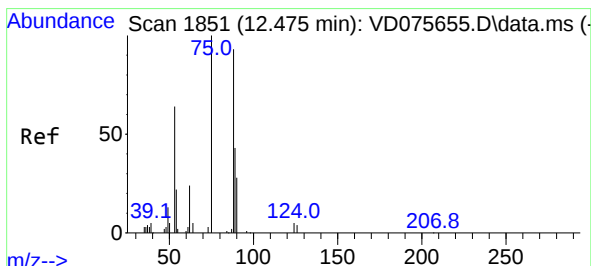
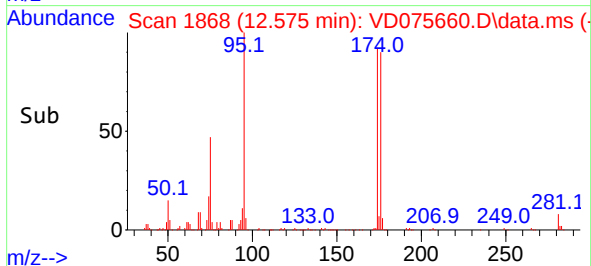
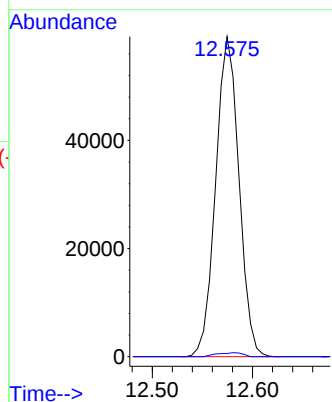
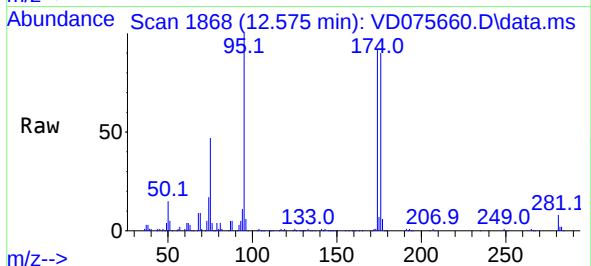




#76
1,2,3-Trichloropropane
Concen: 54.958 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Instrument :
MSVOA_D
ClientSampleId :
BLK

Tgt Ion: 75 Resp: 95401
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.117 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075660.D
Acq: 13 Apr 2023 15:01

Tgt Ion: 75 Resp: 95401
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 40.2 60.4#

