

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040723\
 Data File : VD075604.D
 Acq On : 07 Apr 2023 16:45
 Operator : KP/SY
 Sample : 02206-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11929

Quant Time: Apr 10 02:07:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

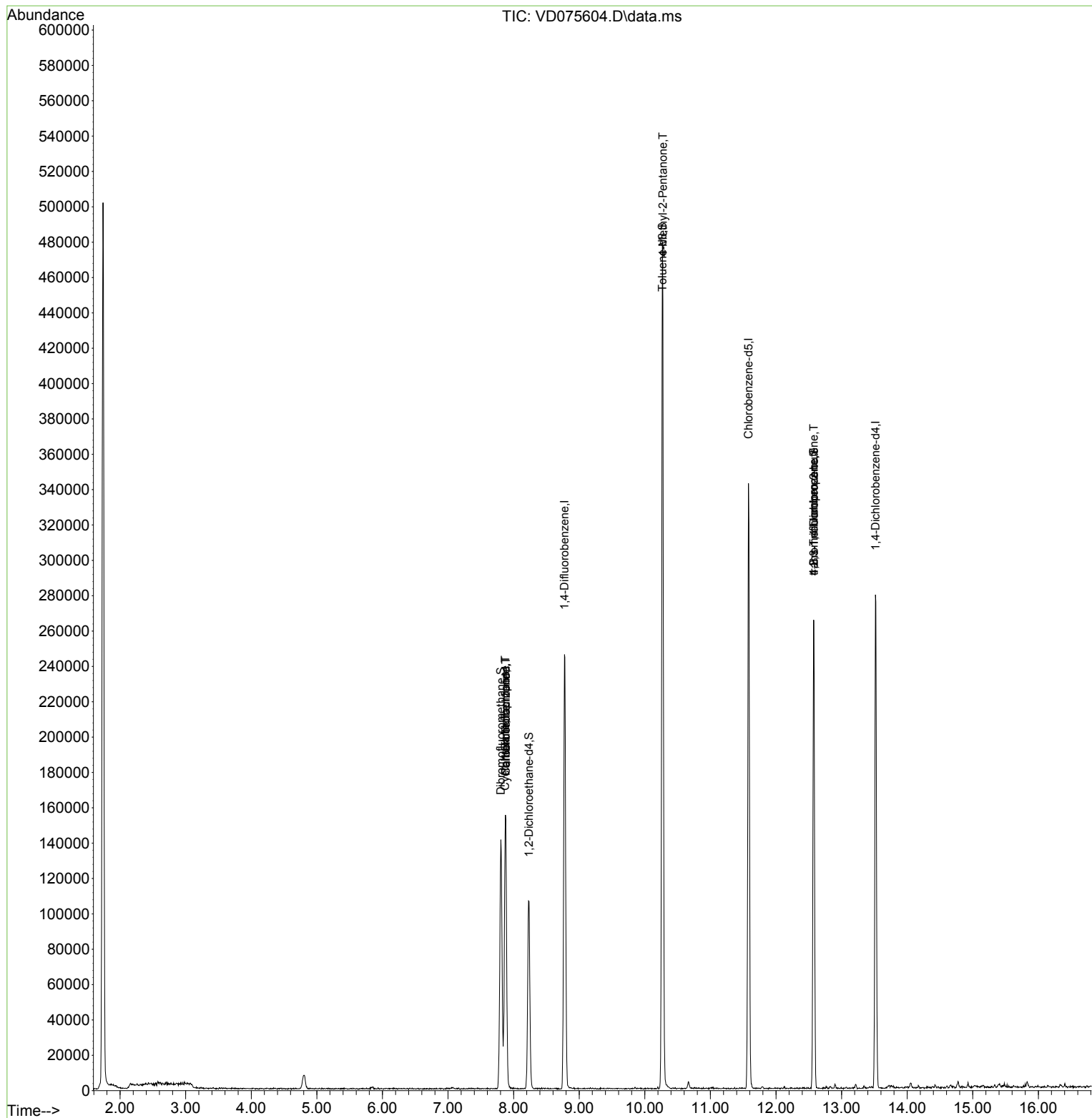
Internal Standards						
1) Pentafluorobenzene	7.881	168	127834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	243138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	213504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	82080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	84656	72.983	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.960%	
35) Dibromofluoromethane	7.805	113	103911	62.400	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.800%	
50) Toluene-d8	10.269	98	354305	53.858	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.720%	
62) 4-Bromofluorobenzene	12.575	95	85298	44.853	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	163	Below Cal	#	40
16) Acetone	4.034	43	347	Below Cal	#	41
20) Methylene Chloride	4.811	84	7729	Below Cal	#	70
31) Cyclohexane	7.869	56	2485	1.203	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9938	4.027	ug/l #	48
38) Carbon Tetrachloride	7.881	117	11993	5.072	ug/l #	18
51) 4-Methyl-2-Pentanone	10.275	43	921	1.488	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	42269	62.791	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	42269	132.075	ug/l #	5

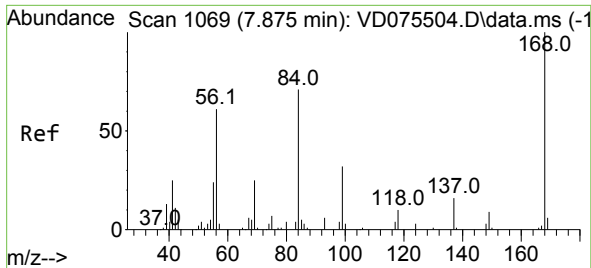
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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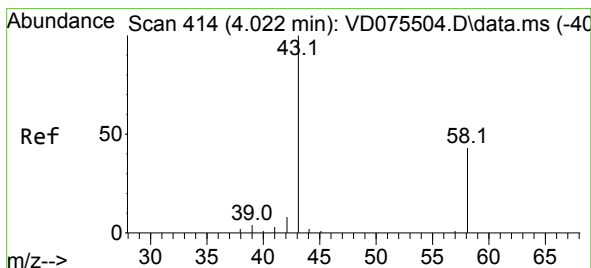
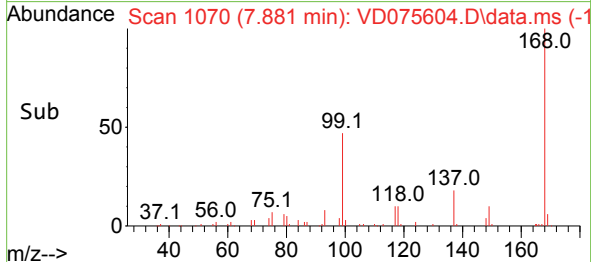
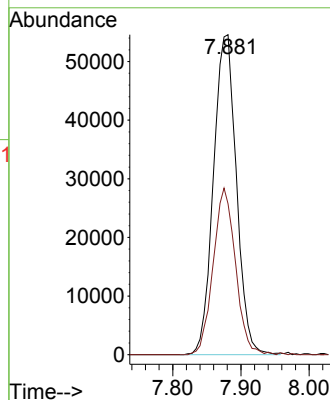
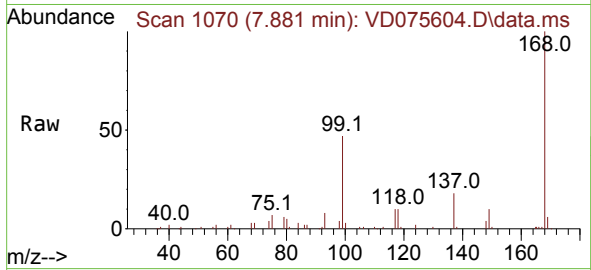




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

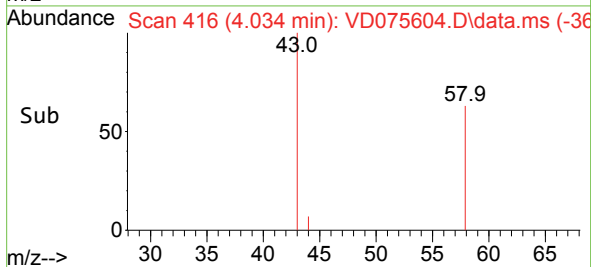
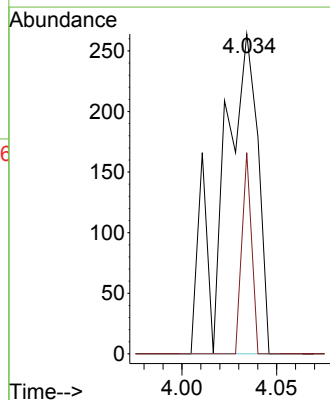
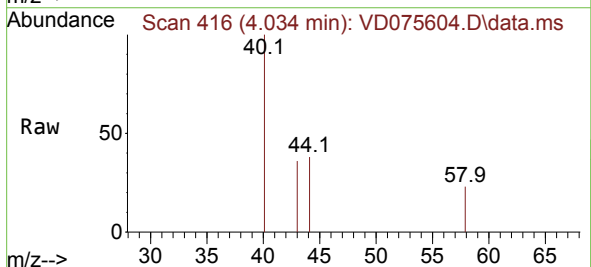
Instrument :
MSVOA_D
ClientSampleId :
72-11929

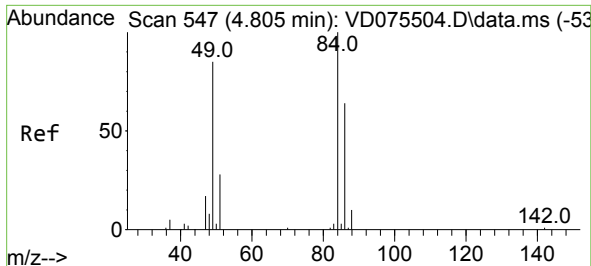
Tgt Ion:168 Resp: 127834
Ion Ratio Lower Upper
168 100
99 47.1 43.8 65.6



#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
58 62.9 24.4 36.6#

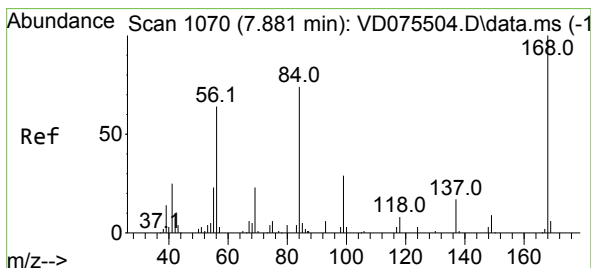
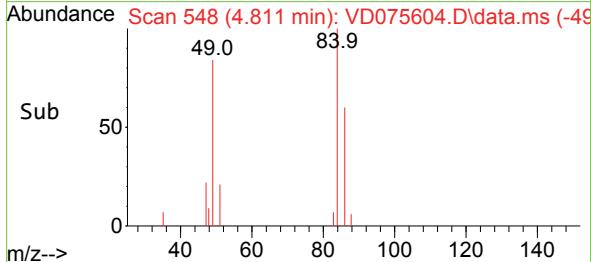
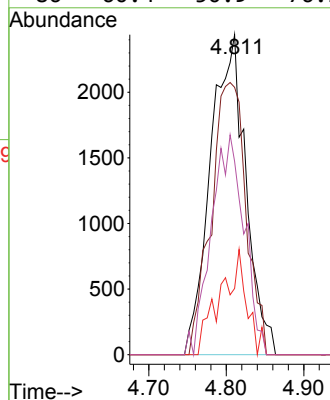
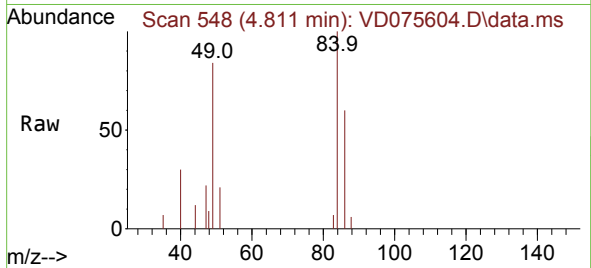




#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

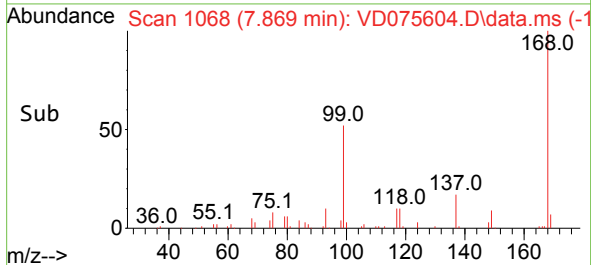
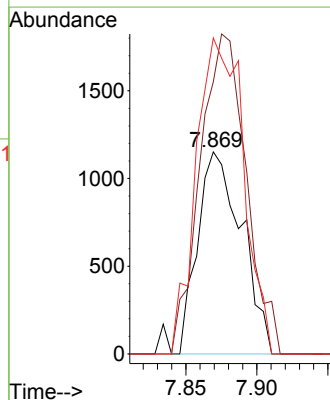
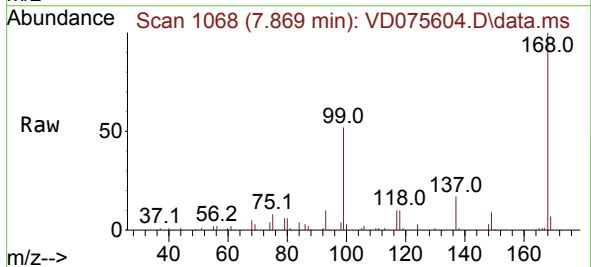
Instrument :
MSVOA_D
ClientSampleId :
72-11929

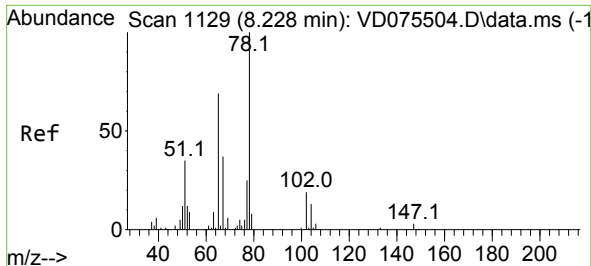
Tgt Ion:	84	Resp:	7729
Ion	Ratio	Lower	Upper
84	100		
49	83.6	106.4	159.6#
51	20.7	32.4	48.6#
86	60.4	50.9	76.3



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Tgt Ion:	56	Resp:	2485
Ion	Ratio	Lower	Upper
56	100		
69	134.6	25.5	38.3#
84	156.3	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 72.983 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD075604.D

Acq: 07 Apr 2023 16:45

Instrument :

MSVOA_D

ClientSampleId :

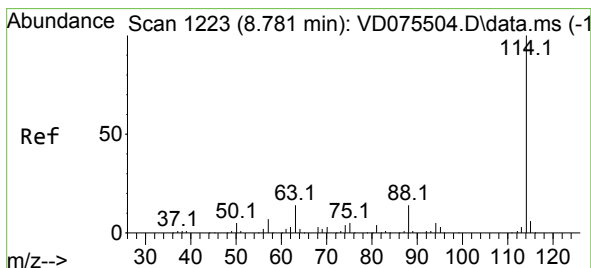
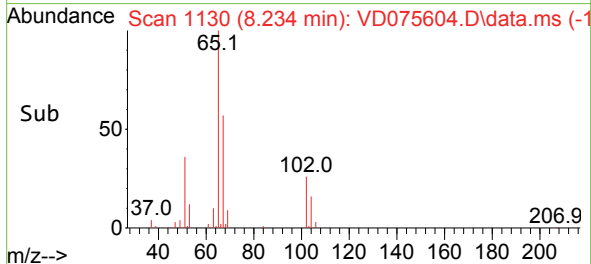
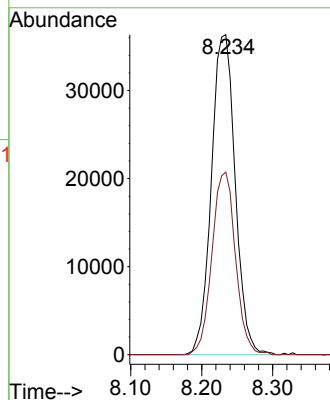
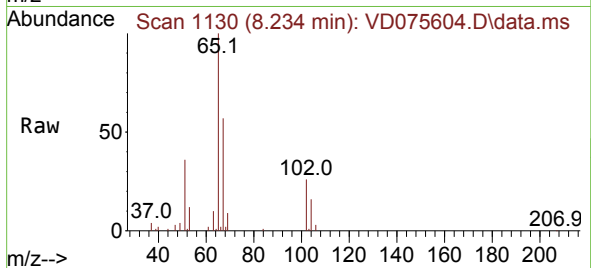
72-11929

Tgt Ion: 65 Resp: 84656

Ion Ratio Lower Upper

65 100

67 56.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD075604.D

Acq: 07 Apr 2023 16:45

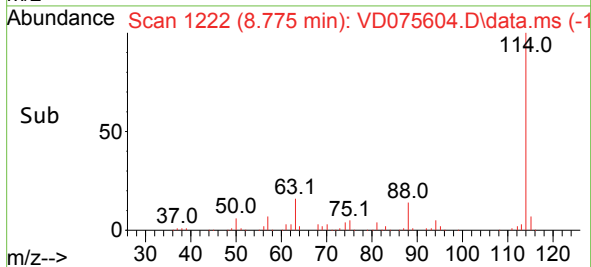
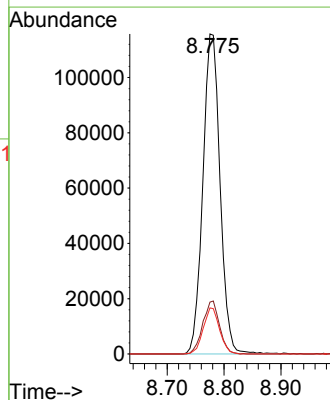
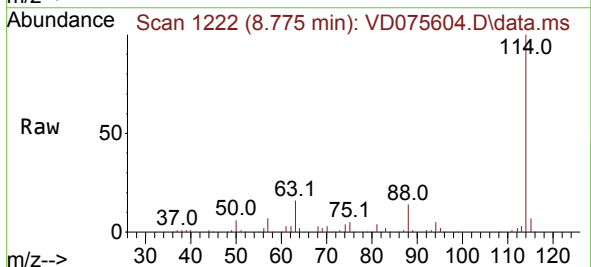
Tgt Ion: 114 Resp: 243138

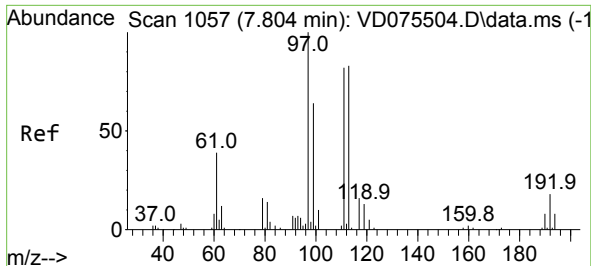
Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.6

88 14.4 0.0 30.6

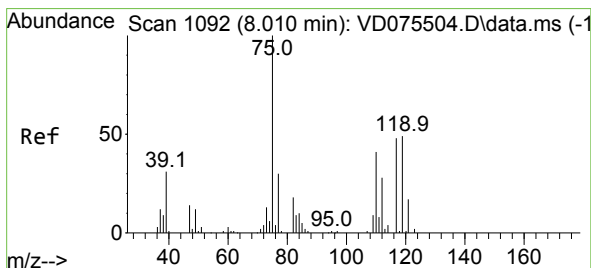
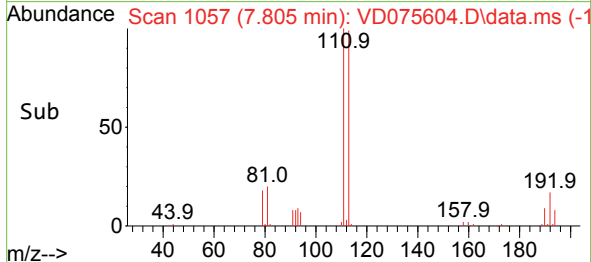
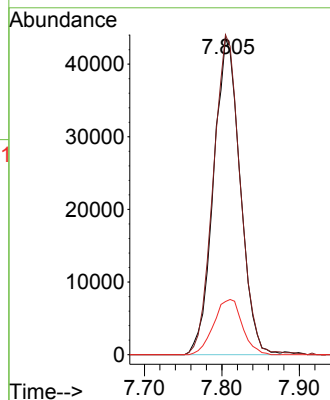
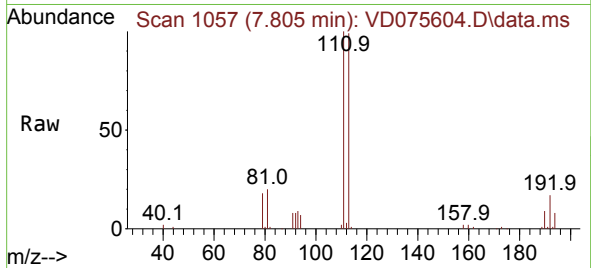




#35
Dibromofluoromethane
Concen: 62.400 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

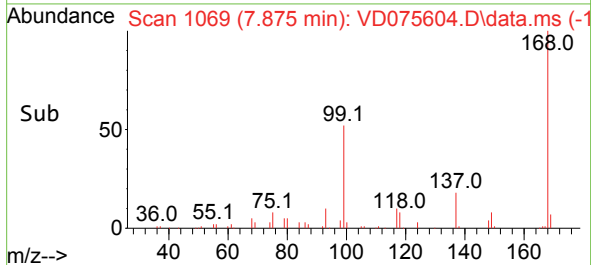
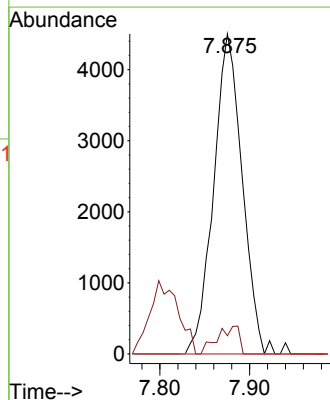
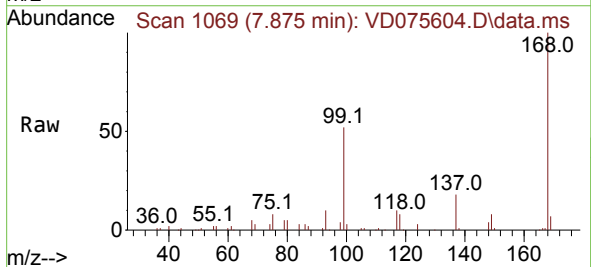
Instrument :
MSVOA_D
ClientSampleId :
72-11929

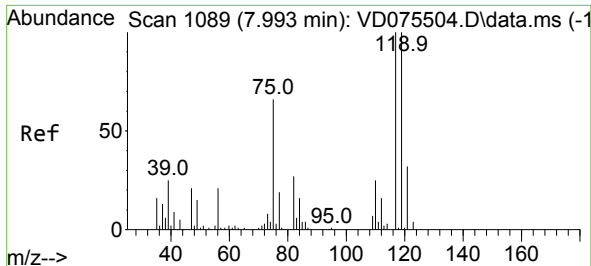
Tgt Ion:113 Resp: 103911
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 18.7 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.027 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Tgt Ion: 75 Resp: 9938
Ion Ratio Lower Upper
75 100
110 6.7 17.1 51.2#
77 0.0 24.6 36.8#

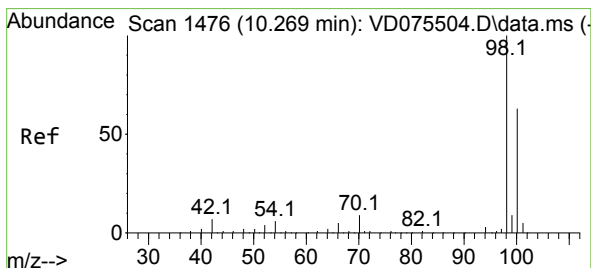
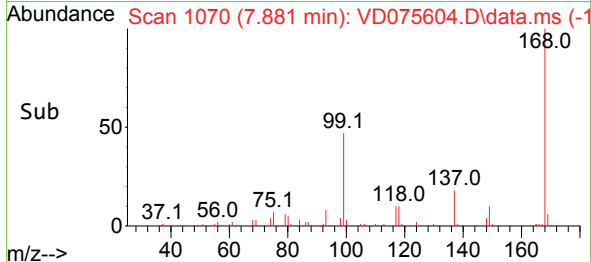
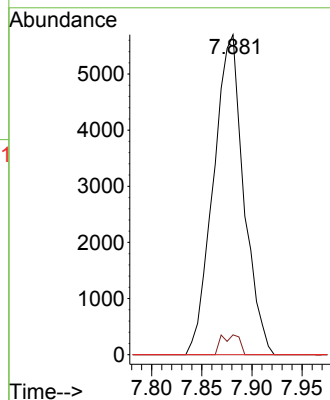
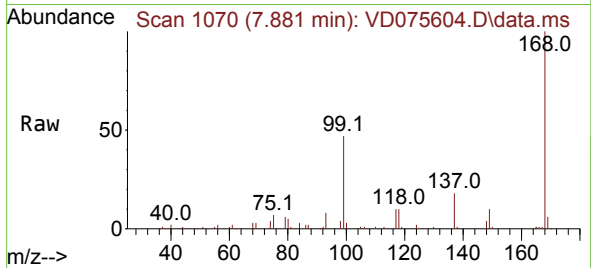




#38
Carbon Tetrachloride
Concen: 5.072 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

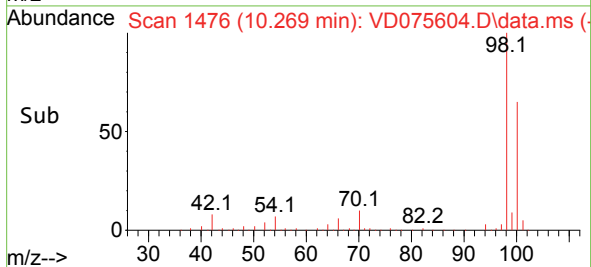
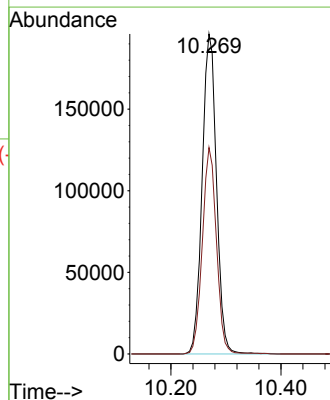
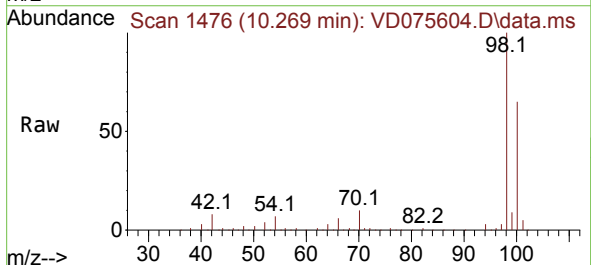
Instrument :
MSVOA_D
ClientSampleId :
72-11929

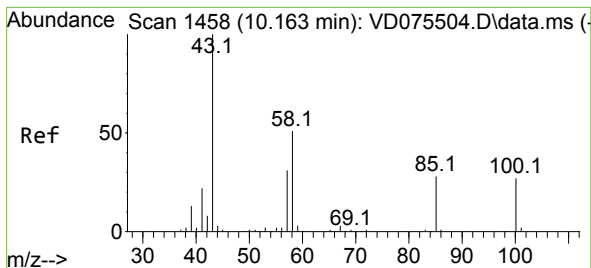
Tgt Ion:117 Resp: 11993
Ion Ratio Lower Upper
117 100
119 6.2 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 53.858 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Tgt Ion: 98 Resp: 354305
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

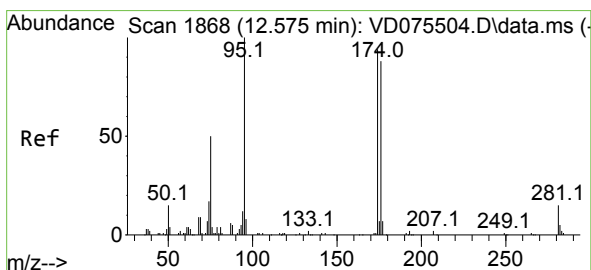
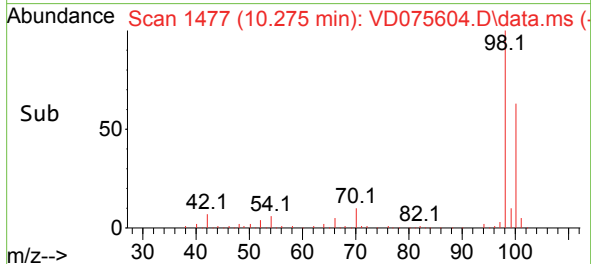
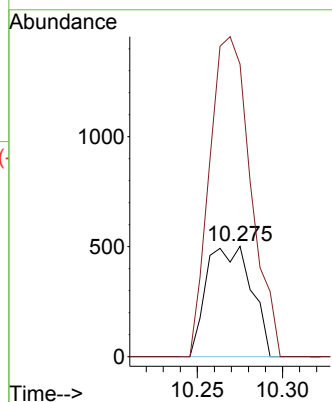
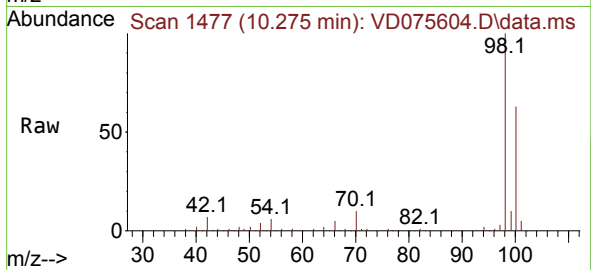




#51
4-Methyl-2-Pentanone
Concen: 1.488 ug/l
RT: 10.275 min Scan# 1458
Delta R.T. 0.118 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

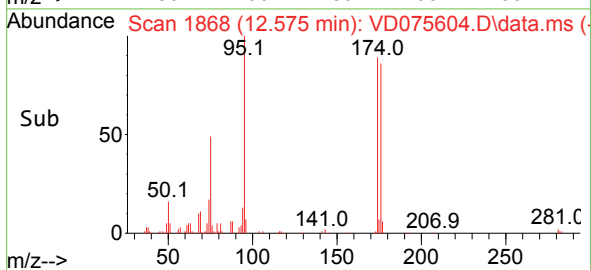
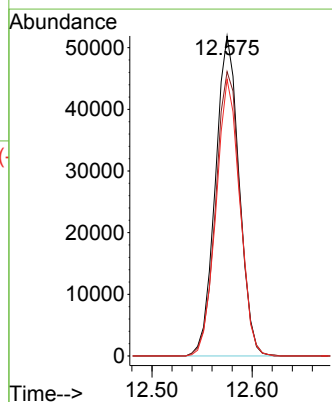
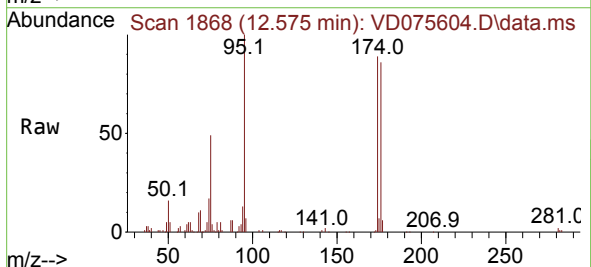
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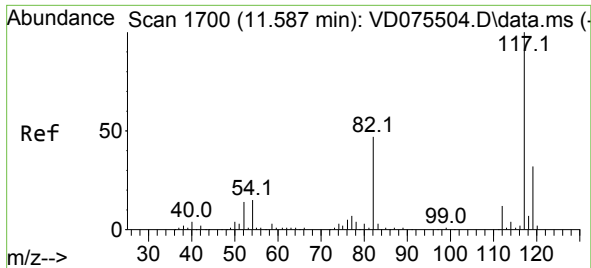
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 266.2 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 44.853 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Tgt Ion: 95 Resp: 85298
Ion Ratio Lower Upper
95 100
174 91.0 0.0 164.0
176 86.4 0.0 156.8

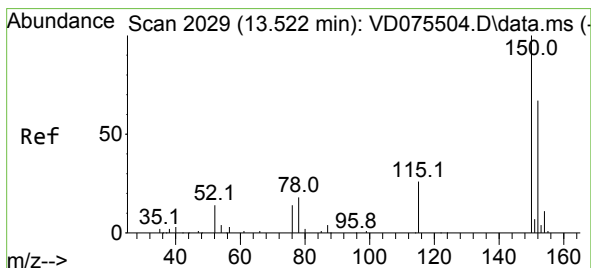
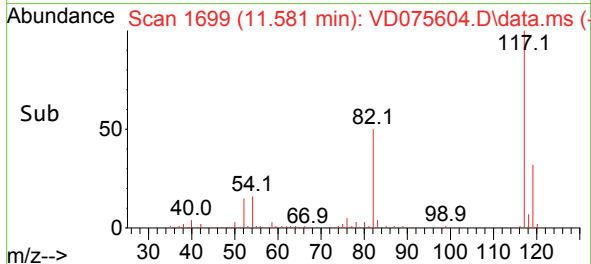
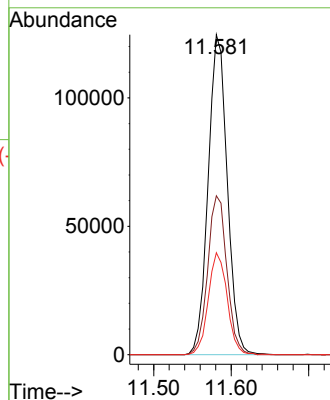
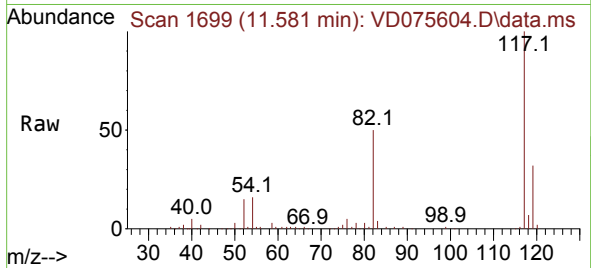




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

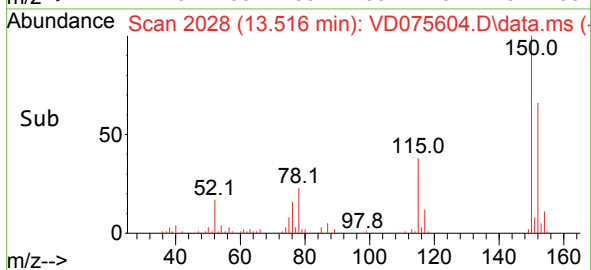
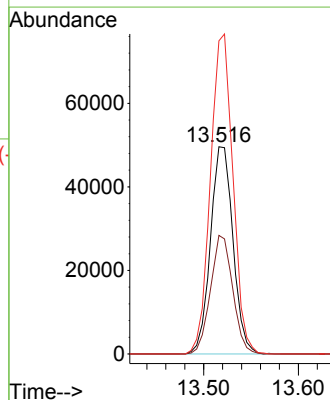
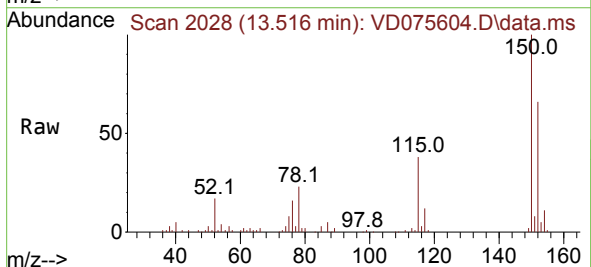
Instrument :
MSVOA_D
ClientSampleId :
72-11929

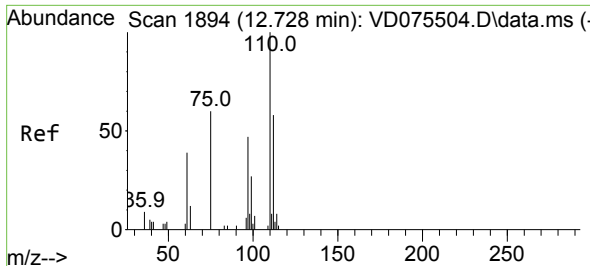
Tgt Ion:117 Resp: 213504
Ion Ratio Lower Upper
117 100
82 49.7 44.0 66.0
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Tgt Ion:152 Resp: 82080
Ion Ratio Lower Upper
152 100
115 56.3 30.1 90.3
150 153.7 0.0 364.8

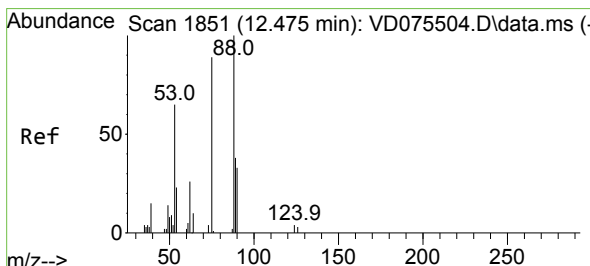
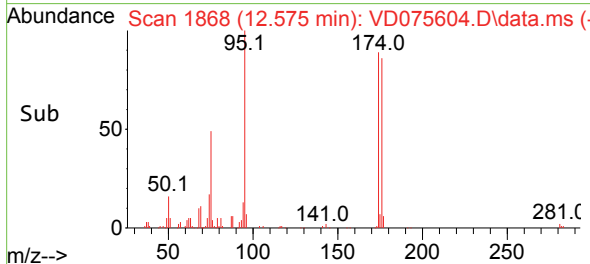
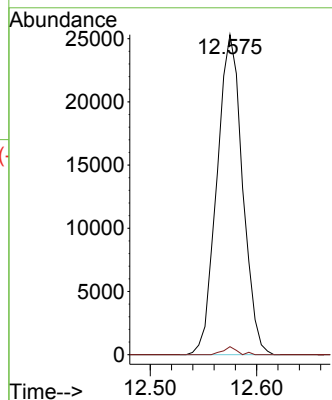
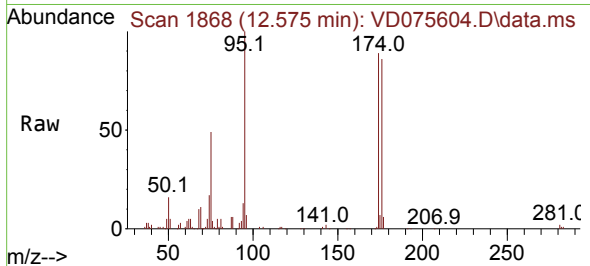




#76
1,2,3-Trichloropropane
Concen: 62.791 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Instrument :
MSVOA_D
ClientSampleId :
72-11929

Tgt Ion: 75 Resp: 42269
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.075 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075604.D
Acq: 07 Apr 2023 16:45

Tgt Ion: 75 Resp: 42269
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

