

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051823\
 Data File : VD076142.D
 Acq On : 18 May 2023 16:01
 Operator : KP/SY
 Sample : 02816-06
 Misc : 6.49G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-30-051623

Quant Time: May 19 01:53:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

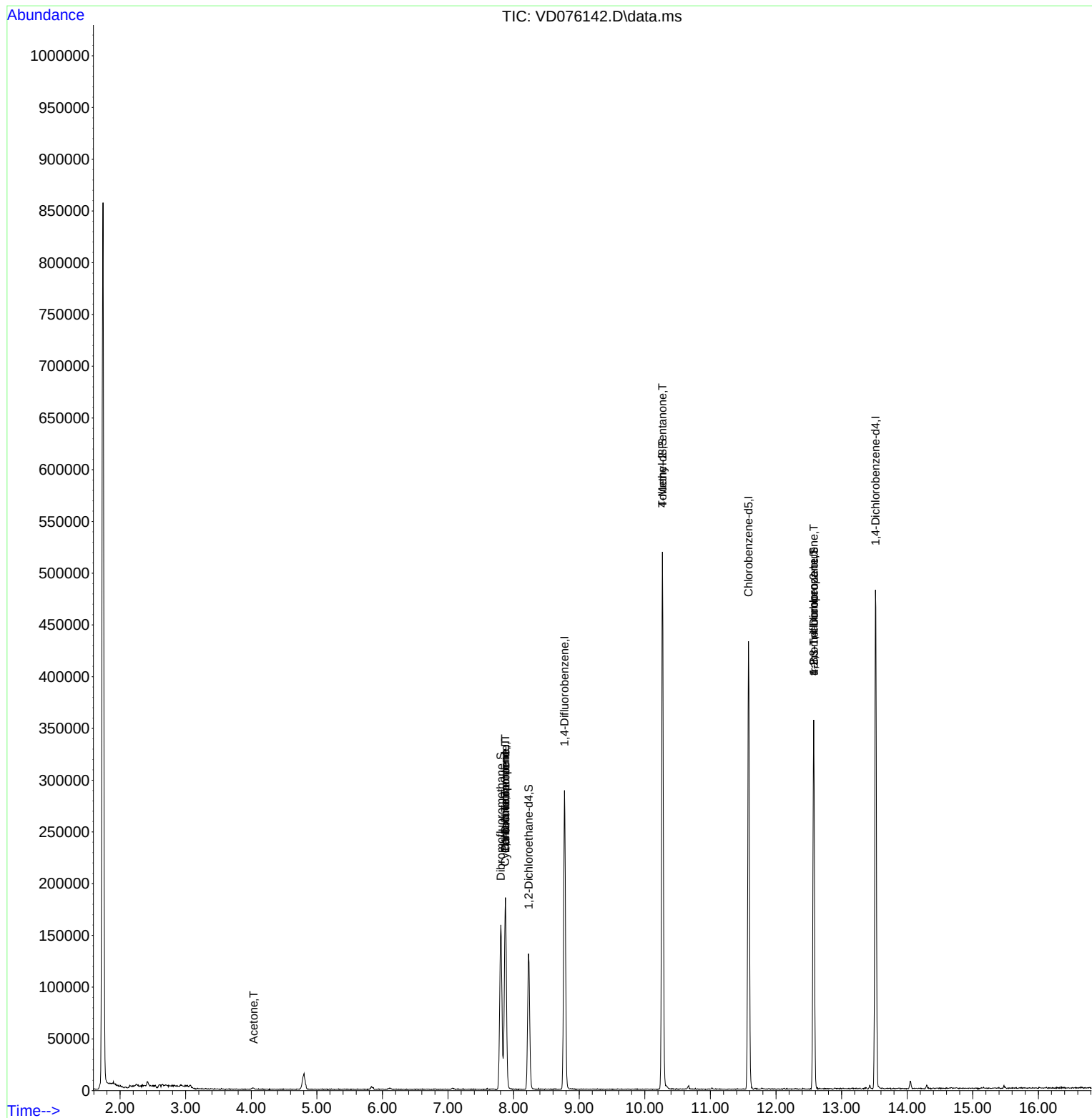
Internal Standards						
1) Pentafluorobenzene	7.875	168	146446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	272497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	266638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145266	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97117	68.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.240%	
35) Dibromofluoromethane	7.805	113	117155	62.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.400%	
50) Toluene-d8	10.269	98	373291	50.839	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.680%	
62) 4-Bromofluorobenzene	12.575	95	106271	52.102	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	516	Below Cal	#	84
16) Acetone	4.034	43	2320	8.239	ug/l #	80
20) Methylene Chloride	4.805	84	12761	Below Cal	#	77
31) Cyclohexane	7.869	56	3236	1.493	ug/l #	45
36) 1,1-Dichloropropene	7.875	75	11751	4.619	ug/l #	49
38) Carbon Tetrachloride	7.875	117	13746	5.982	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1152	1.316	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	54273	42.694	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	54273	89.566	ug/l #	5

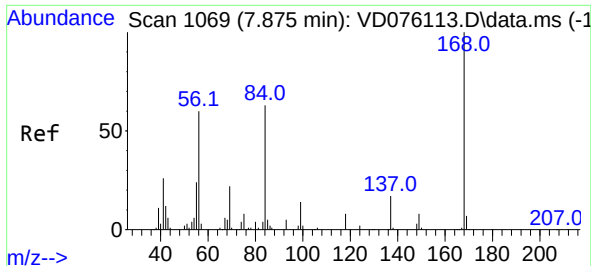
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

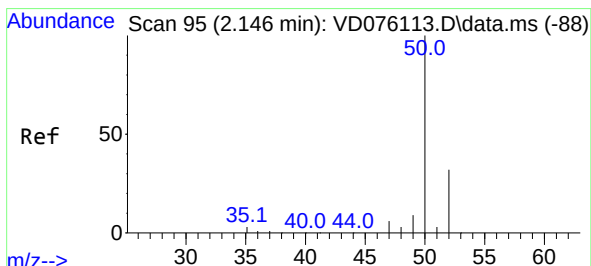
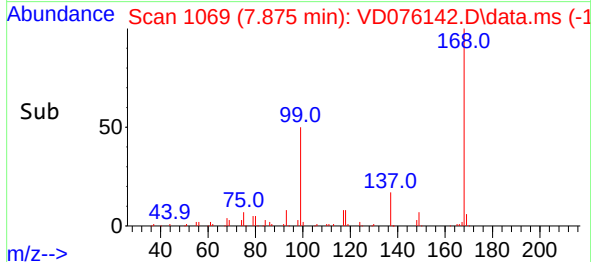
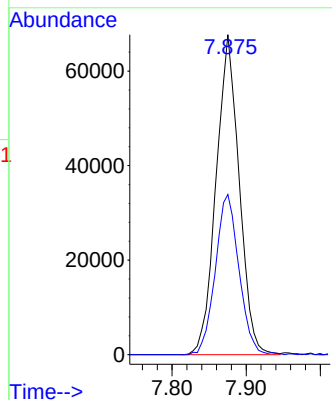
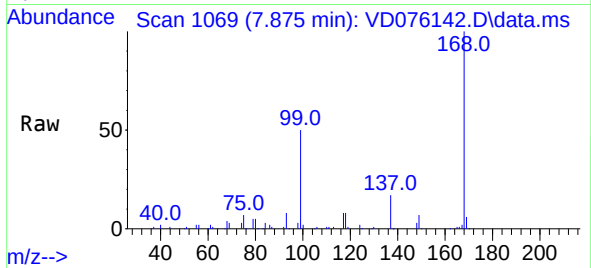




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

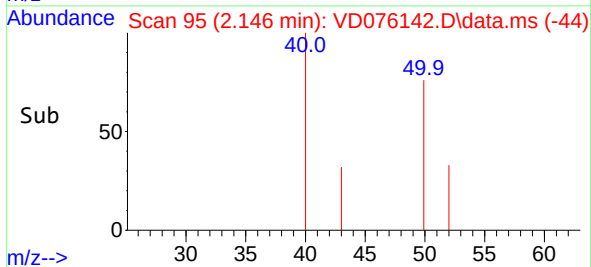
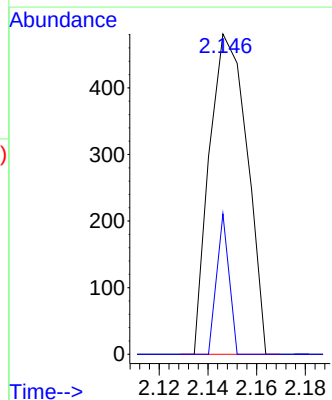
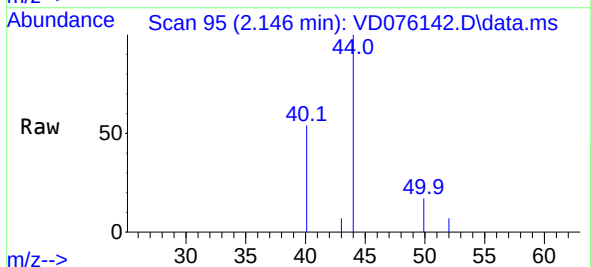
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-30-051623

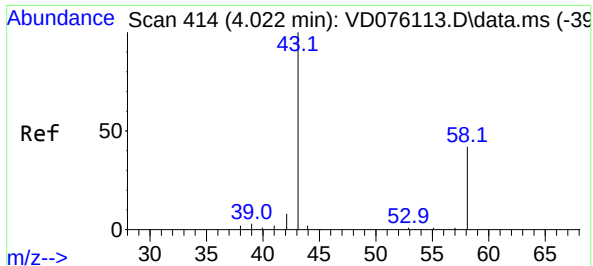
Tgt Ion:168 Resp: 146446
Ion Ratio Lower Upper
168 100
99 50.1 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 43.9 27.8 41.8#

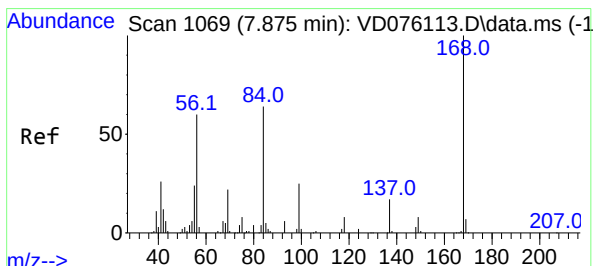
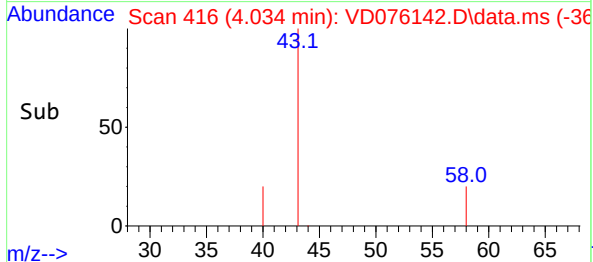
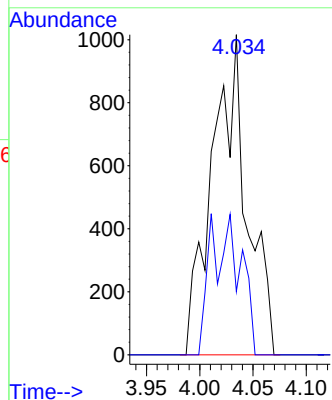
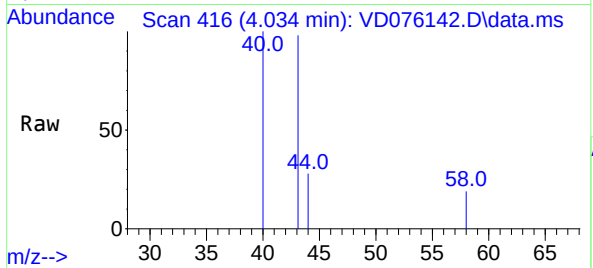




#16
Acetone
Concen: 8.239 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

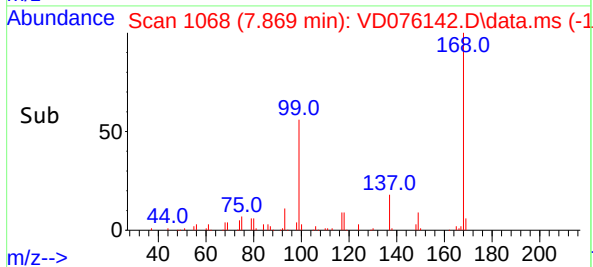
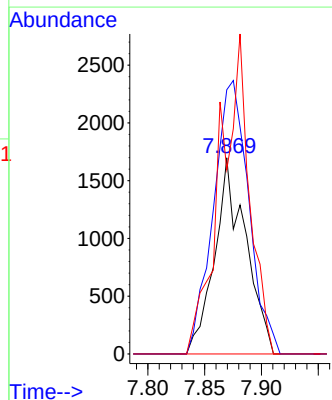
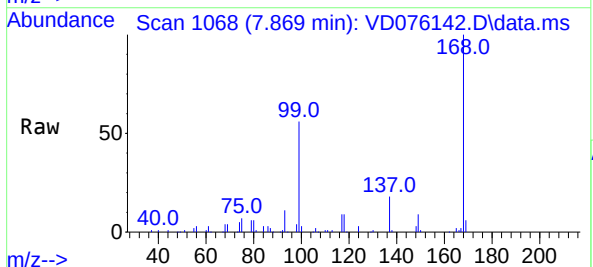
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-30-051623

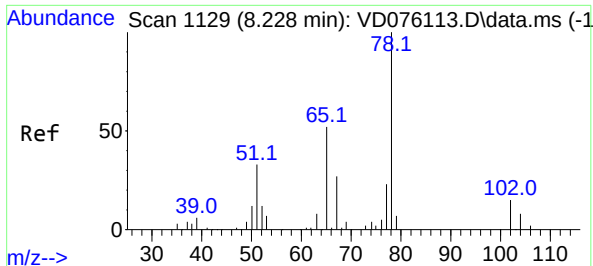
Tgt Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
58 19.8 24.4 36.6#



#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Tgt Ion: 56 Resp: 3236
Ion Ratio Lower Upper
56 100
69 134.7 25.5 38.3#
84 93.9 69.6 104.4





#33

1,2-Dichloroethane-d4

Concen: 68.616 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076142.D

Acq: 18 May 2023 16:01

Instrument :

MSVOA_D

ClientSampleId :

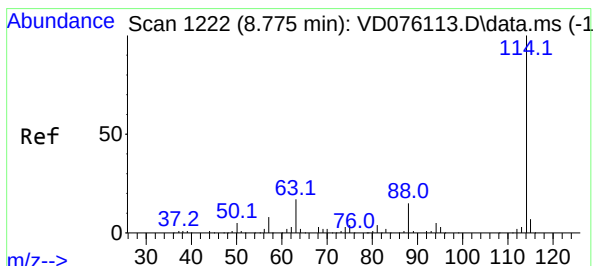
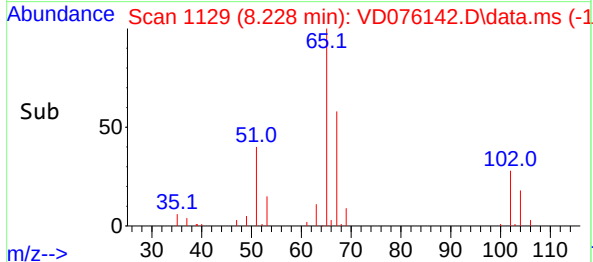
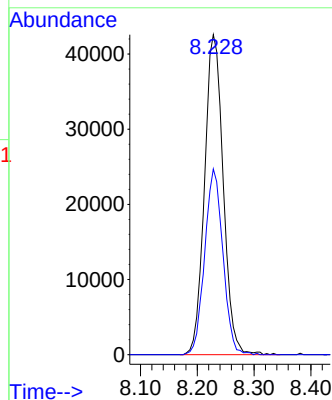
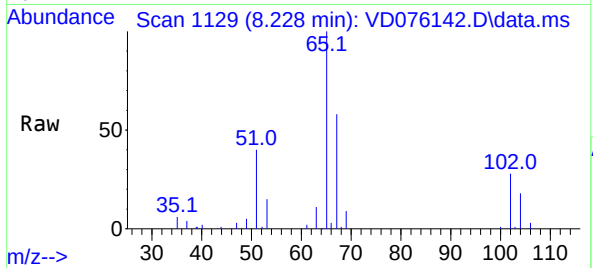
CB-22-K2-SO-30-051623

Tgt Ion: 65 Resp: 97117

Ion Ratio Lower Upper

65 100

67 56.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076142.D

Acq: 18 May 2023 16:01

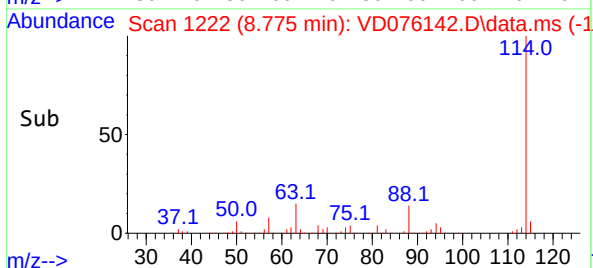
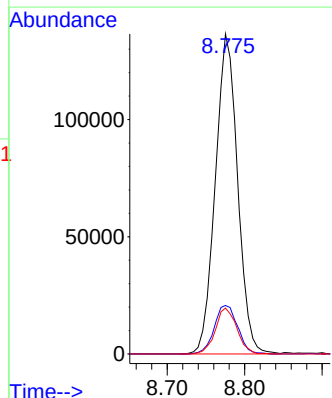
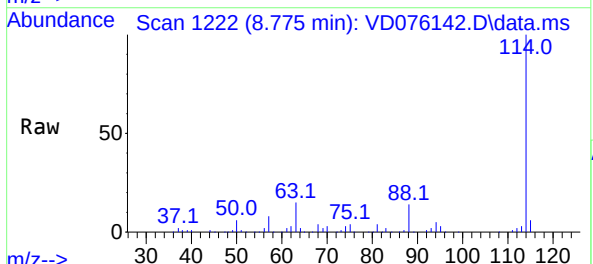
Tgt Ion: 114 Resp: 272497

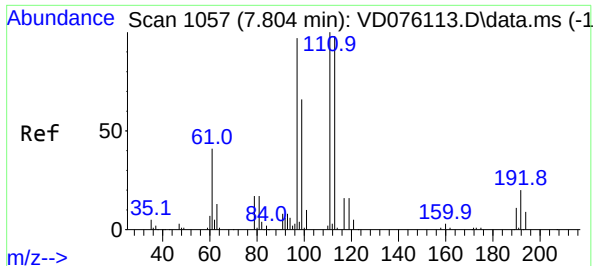
Ion Ratio Lower Upper

114 100

63 15.2 0.0 41.6

88 14.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 62.199 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076142.D

Acq: 18 May 2023 16:01

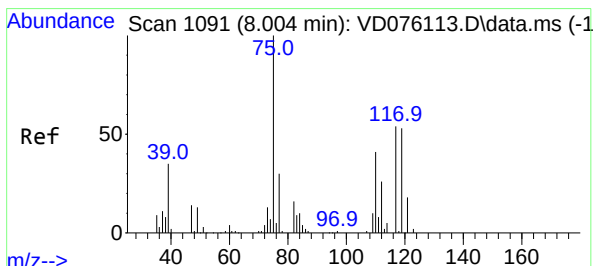
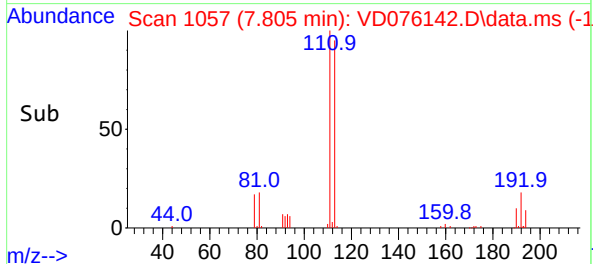
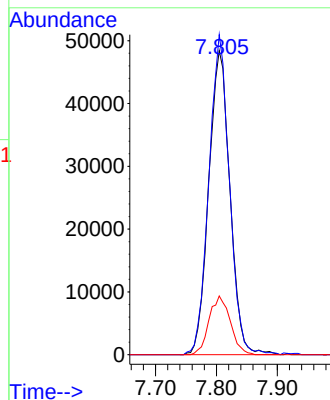
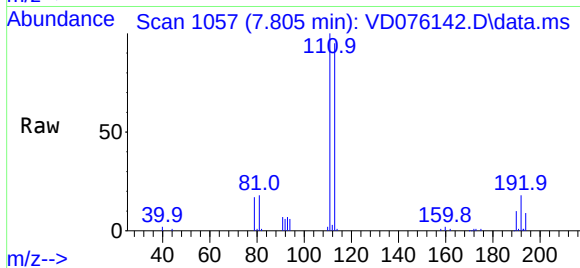
Instrument :

MSVOA_D

ClientSampleId :

CB-22-K2-SO-30-051623

Tgt Ion:	113	Resp:	117155
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	19.3	15.2	22.8



#36

1,1-Dichloropropene

Concen: 4.619 ug/l

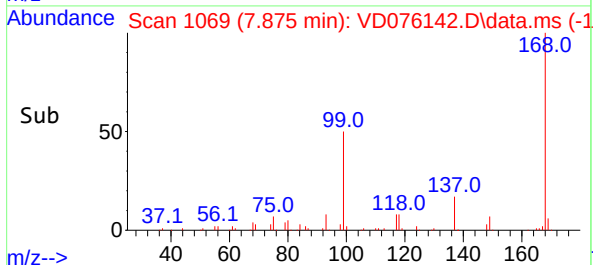
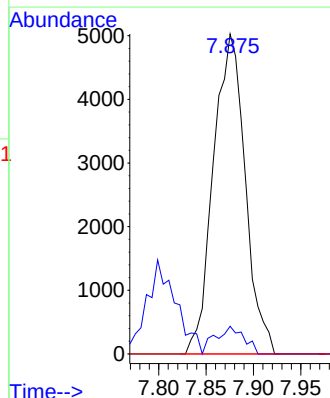
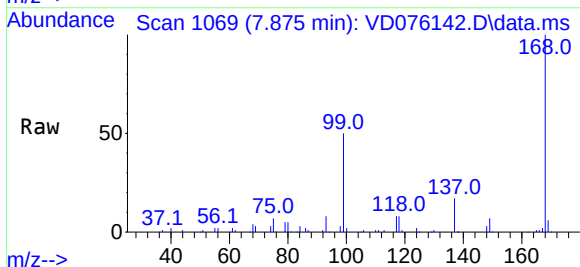
RT: 7.875 min Scan# 1069

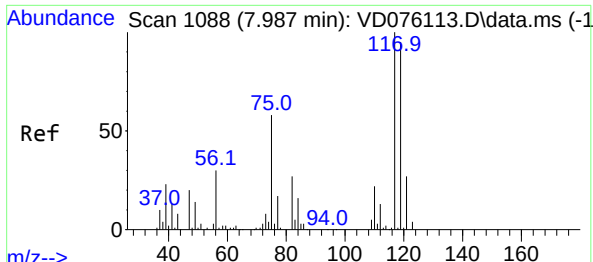
Delta R.T. -0.135 min

Lab File: VD076142.D

Acq: 18 May 2023 16:01

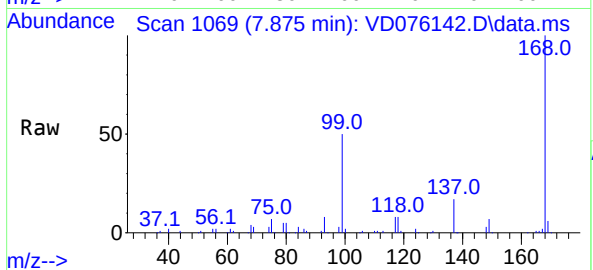
Tgt Ion:	75	Resp:	11751
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.1	51.2#
77	0.0	24.6	36.8#



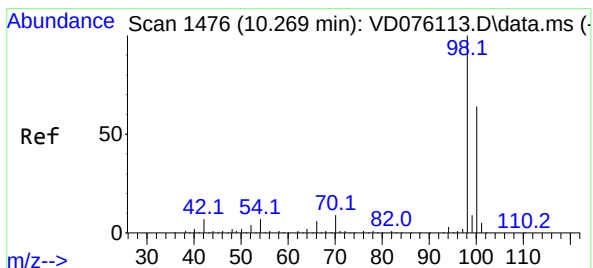
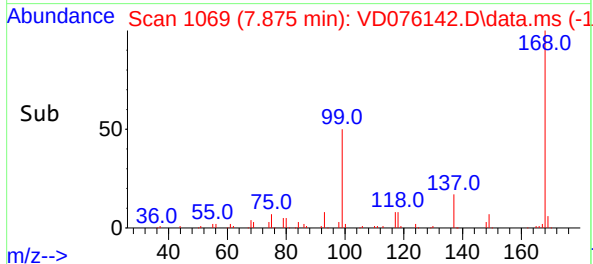
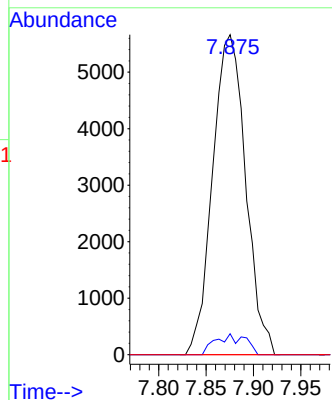


#38
Carbon Tetrachloride
Concen: 5.982 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-30-051623

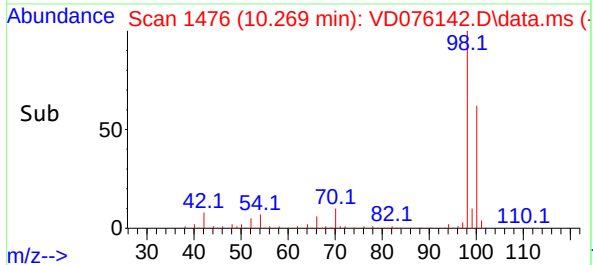
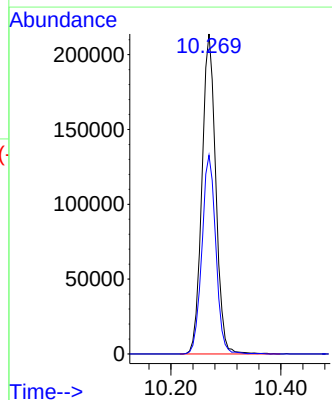
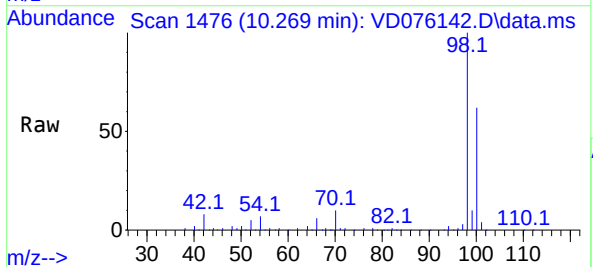


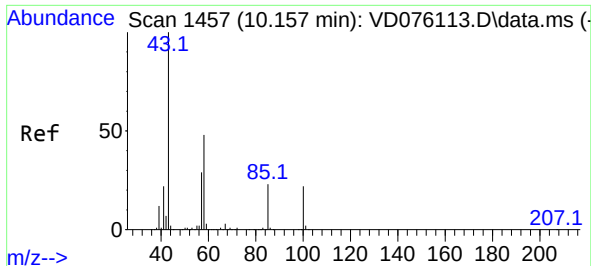
Tgt Ion:117 Resp: 13746
Ion Ratio Lower Upper
117 100
119 6.6 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 50.839 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Tgt Ion: 98 Resp: 373291
Ion Ratio Lower Upper
98 100
100 62.4 52.1 78.1

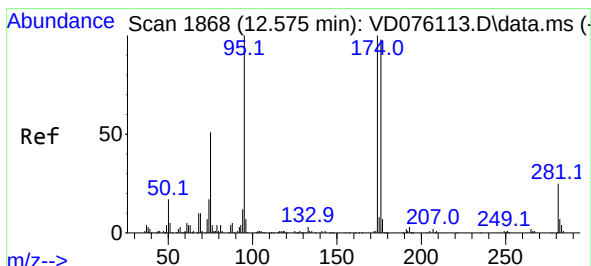
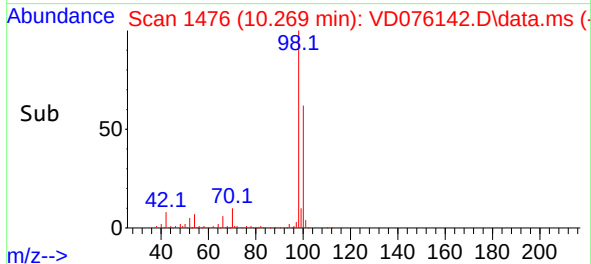
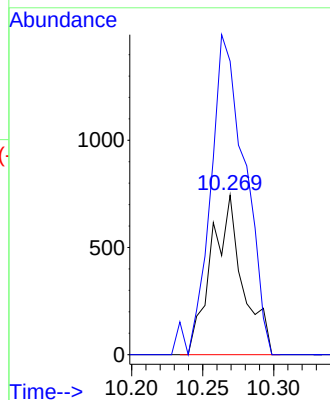
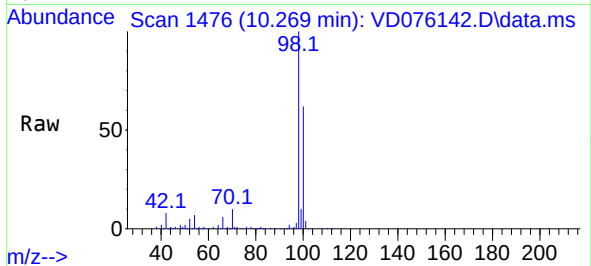




#51
4-Methyl-2-Pentanone
Concen: 1.316 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

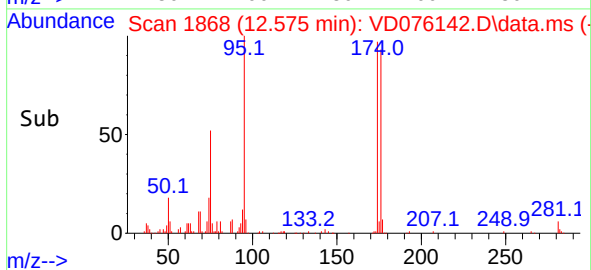
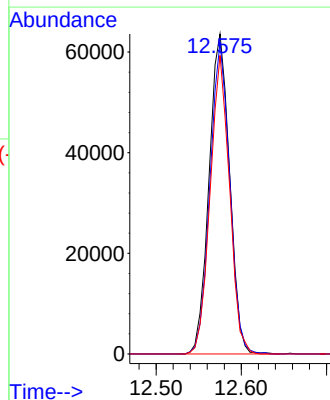
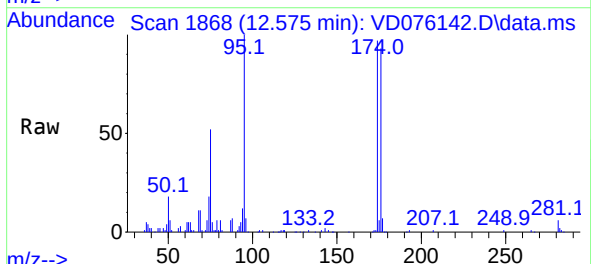
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-30-051623

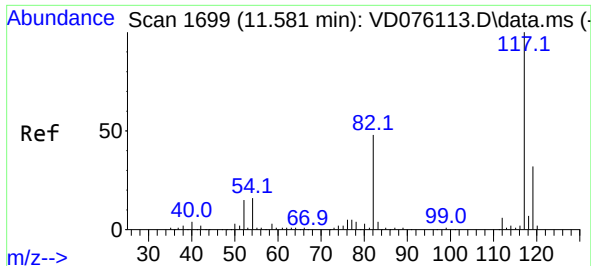
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
58 221.3 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 52.102 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Tgt Ion: 95 Resp: 106271
Ion Ratio Lower Upper
95 100
174 93.7 0.0 164.0
176 87.5 0.0 156.8

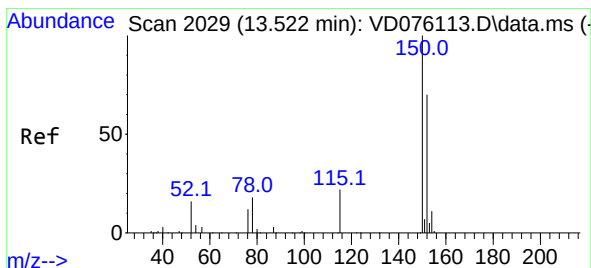
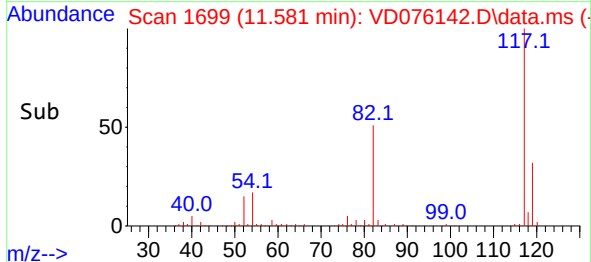
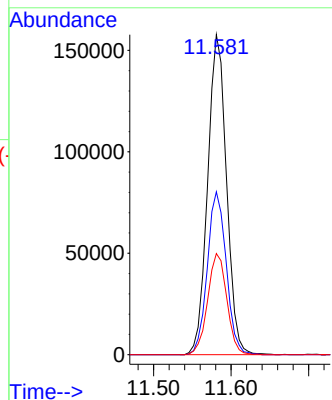
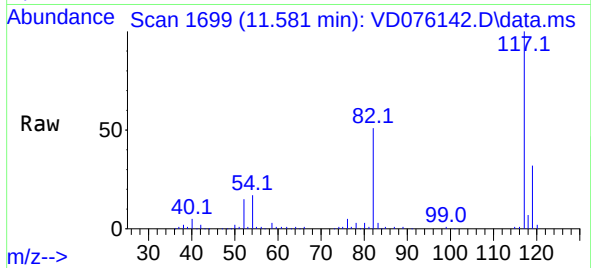




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

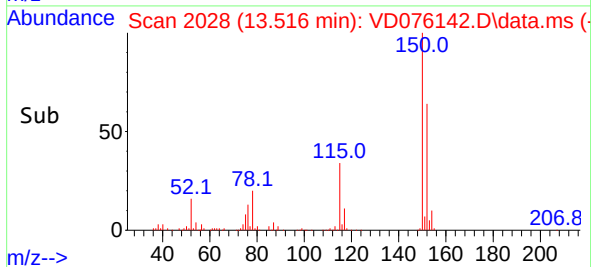
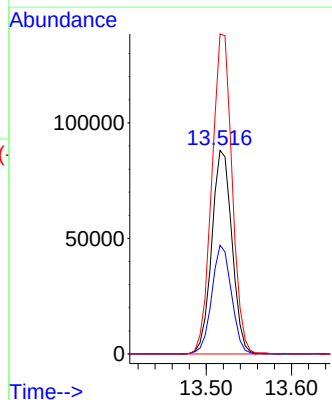
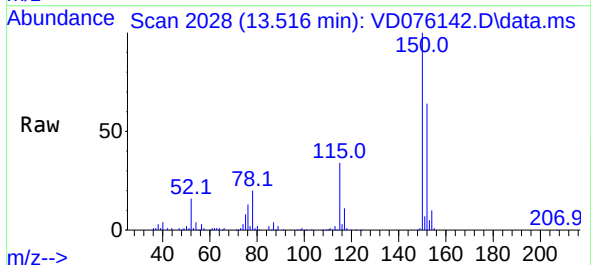
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-30-051623

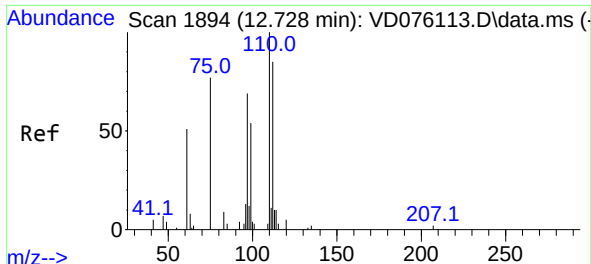
Tgt Ion:117 Resp: 266638
Ion Ratio Lower Upper
117 100
82 50.9 44.0 66.0
119 31.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Tgt Ion:152 Resp: 145266
Ion Ratio Lower Upper
152 100
115 52.0 30.1 90.3
150 157.4 0.0 364.8

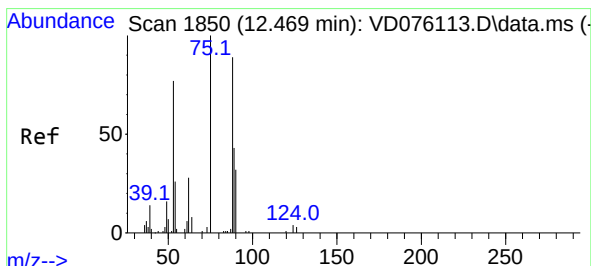
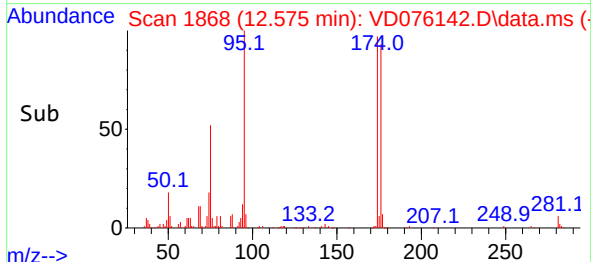
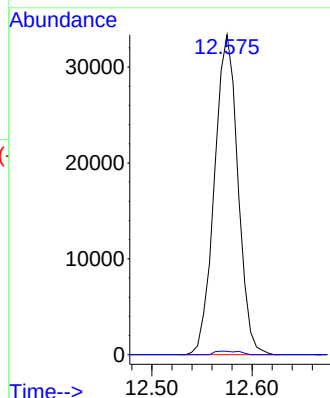
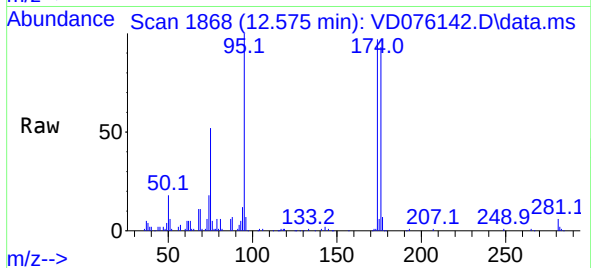




#76
1,2,3-Trichloropropane
Concen: 42.694 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-30-051623

Tgt Ion: 75 Resp: 54273
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.566 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076142.D
Acq: 18 May 2023 16:01

Tgt Ion: 75 Resp: 54273
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

