

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051823\
 Data File : VD076144.D
 Acq On : 18 May 2023 17:00
 Operator : KP/SY
 Sample : 02816-03
 Misc : 6.47G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-11-051623

Quant Time: May 19 01:54:15 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)

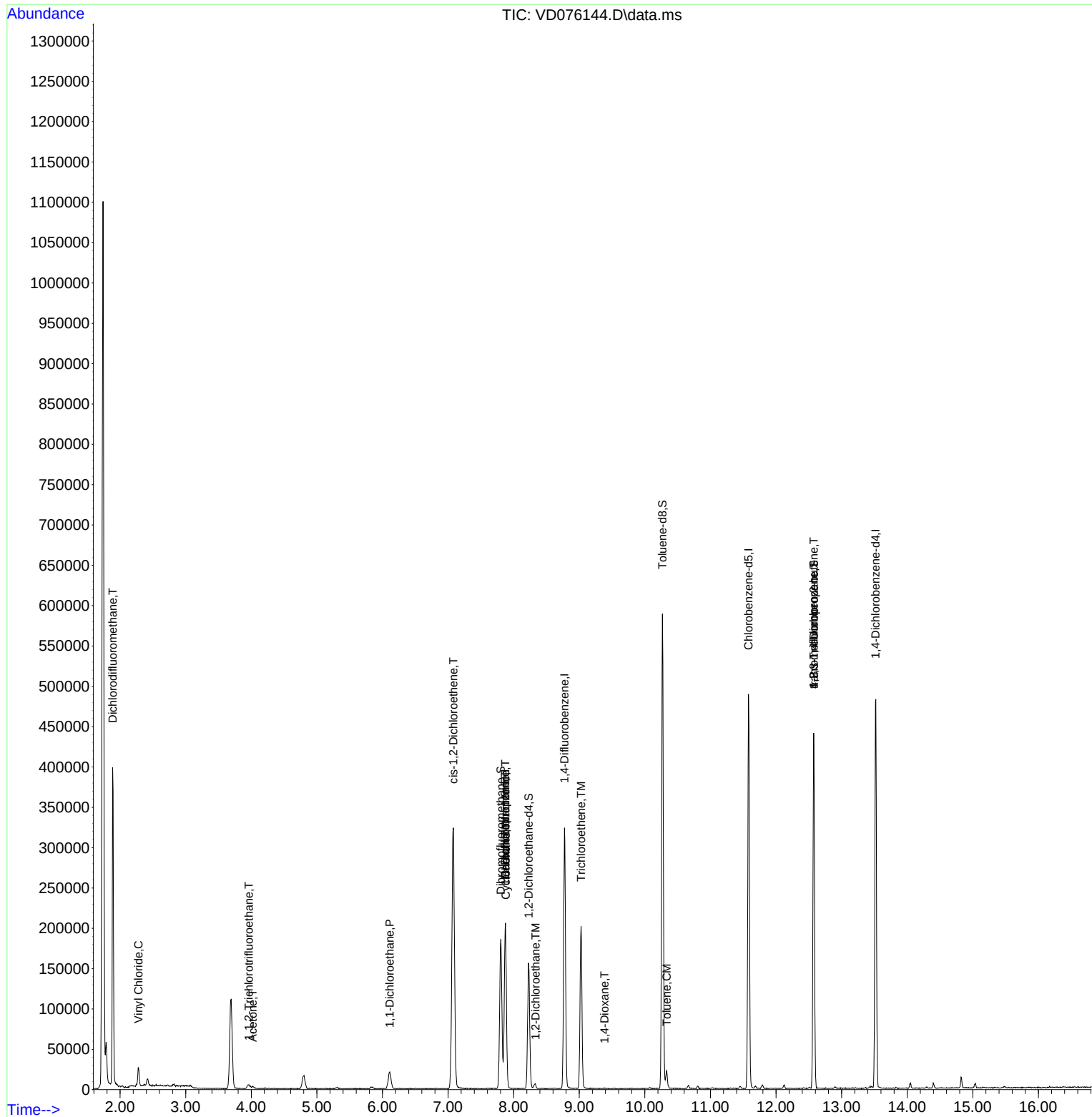
Internal Standards						
1) Pentafluorobenzene	7.875	168	163662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	302924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	304816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	138445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	117858	74.511	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.020%	
35) Dibromofluoromethane	7.804	113	137014	65.436	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.880%	
50) Toluene-d8	10.269	98	433052	53.054	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.100%	
62) 4-Bromofluorobenzene	12.575	95	129017	56.901	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.887	85	50444	34.175	ug/l	94
4) Vinyl Chloride	2.281	62	20441	6.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.963	101	3679	2.070	ug/l #	81
16) Acetone	4.022	43	3934	12.500	ug/l #	68
17) Carbon Disulfide	4.263	76	85	Below Cal	#	73
20) Methylene Chloride	4.805	84	14193	Below Cal	#	78
24) 1,1-Dichloroethane	6.110	63	31473	9.577	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	229732	101.550	ug/l	77
31) Cyclohexane	7.881	56	3315	1.368	ug/l #	16
36) 1,1-Dichloropropene	7.869	75	12902	4.562	ug/l #	47
38) Carbon Tetrachloride	7.875	117	15469	6.056	ug/l #	16
42) 1,2-Dichloroethane	8.334	62	5029	2.339	ug/l	94
44) Trichloroethene	9.028	130	79074	30.861	ug/l	93
49) 1,4-Dioxane	9.387	88	455	33.849	ug/l #	47
52) Toluene	10.334	92	9490	1.671	ug/l	98
76) 1,2,3-Trichloropropane	12.575	75	67011	55.312	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67011	116.035	ug/l #	5

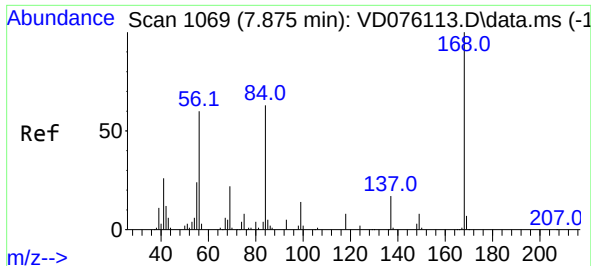
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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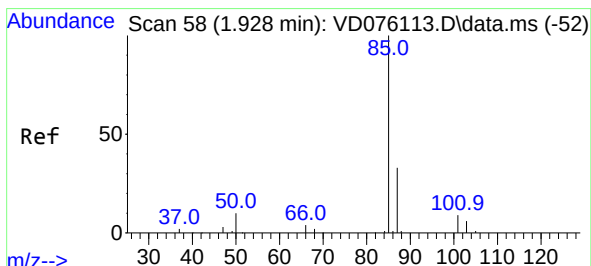
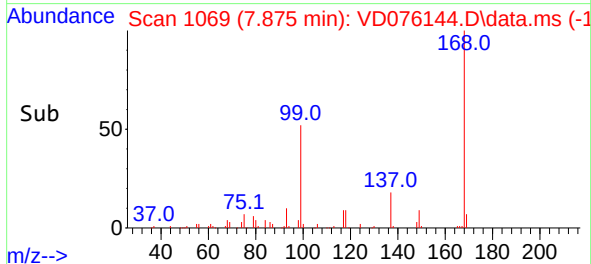
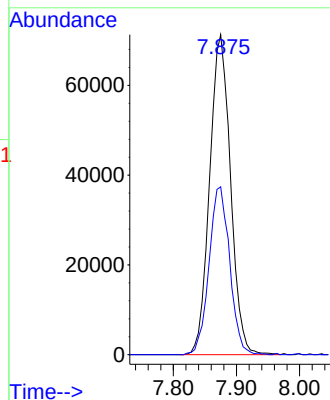
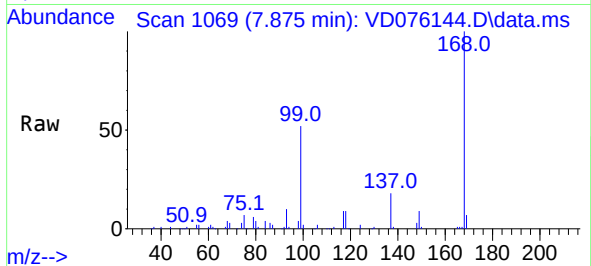




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

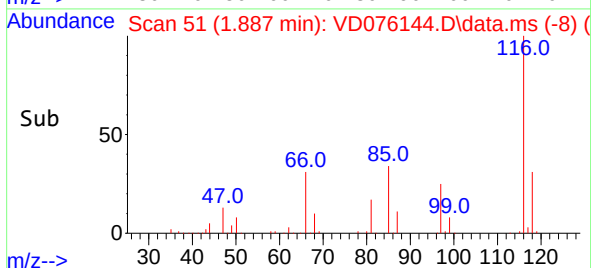
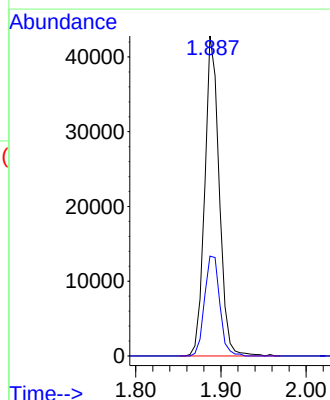
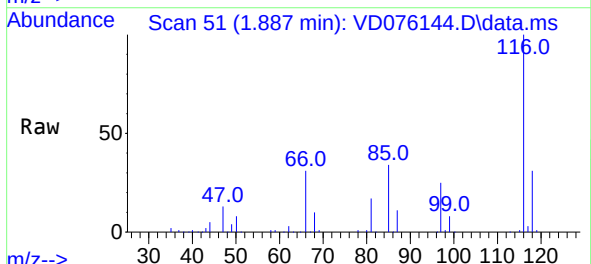
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

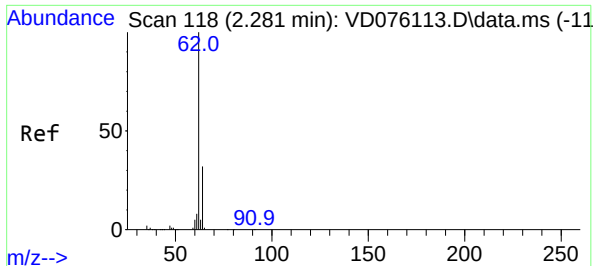
Tgt Ion:168 Resp: 163662
Ion Ratio Lower Upper
168 100
99 52.4 43.8 65.6



#2
Dichlorodifluoromethane
Concen: 34.175 ug/l
RT: 1.887 min Scan# 51
Delta R.T. -0.047 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion: 85 Resp: 50444
Ion Ratio Lower Upper
85 100
87 31.2 17.3 51.7

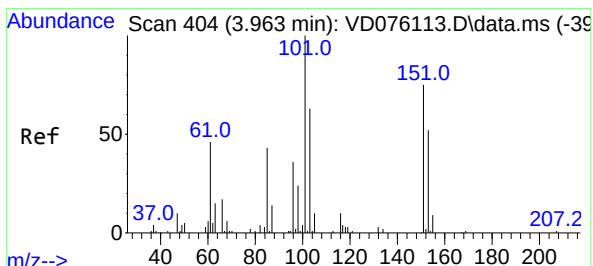
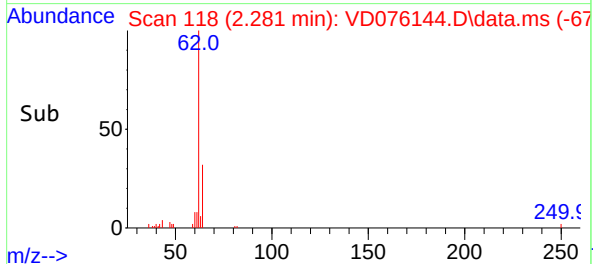
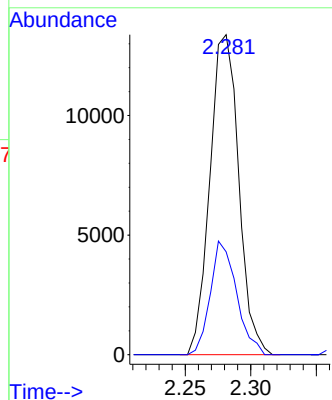
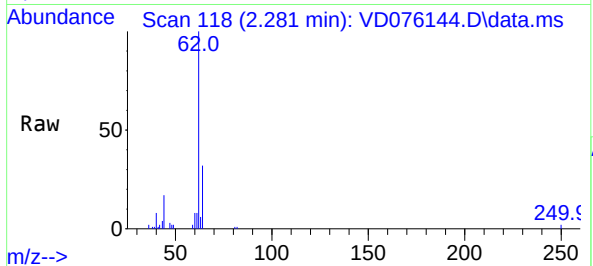




#4
Vinyl Chloride
Concen: 6.421 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

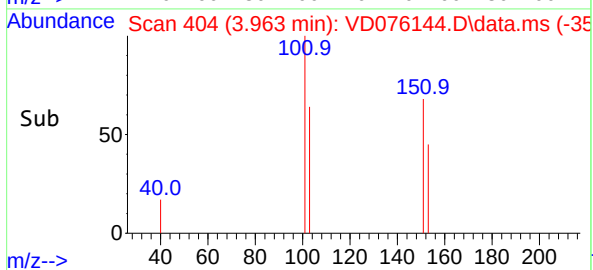
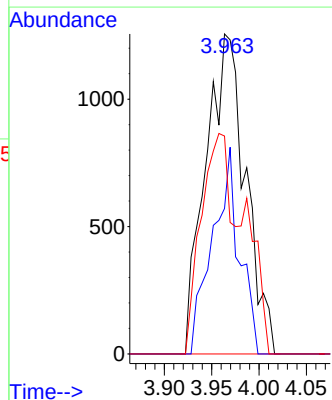
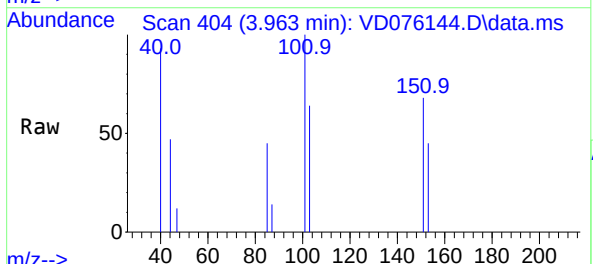
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

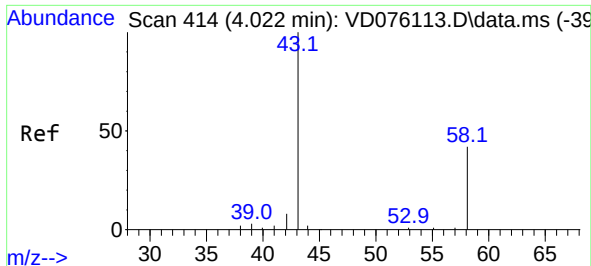
Tgt Ion: 62 Resp: 20441
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.070 ug/l
RT: 3.963 min Scan# 404
Delta R.T. -0.001 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion: 101 Resp: 3679
Ion Ratio Lower Upper
101 100
85 43.2 38.3 57.5
151 52.4 60.4 90.6#

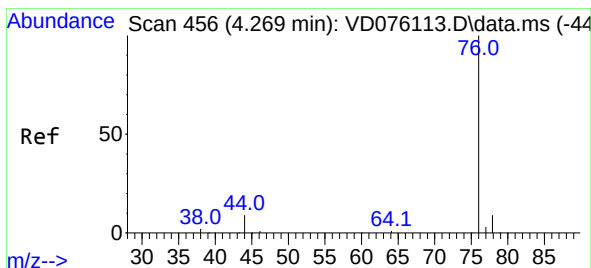
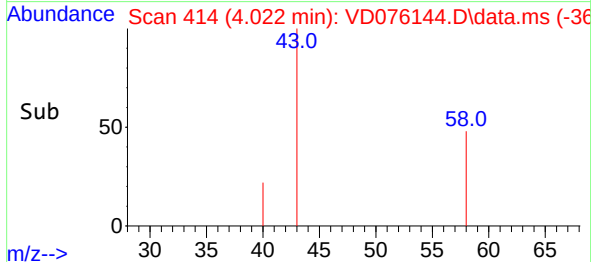
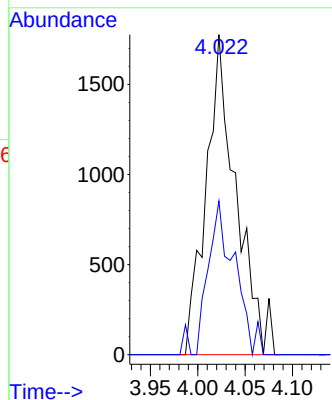
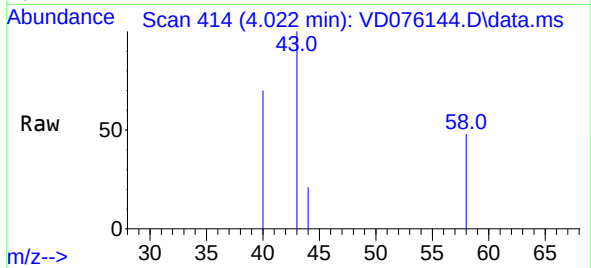




#16
Acetone
Concen: 12.500 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

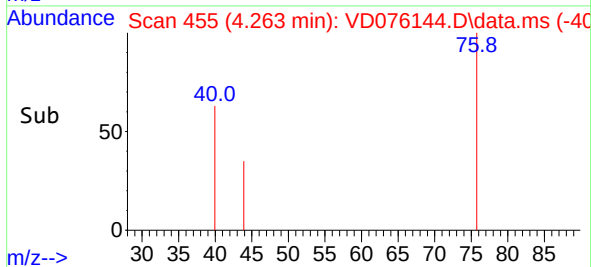
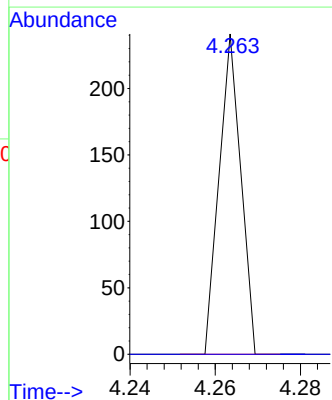
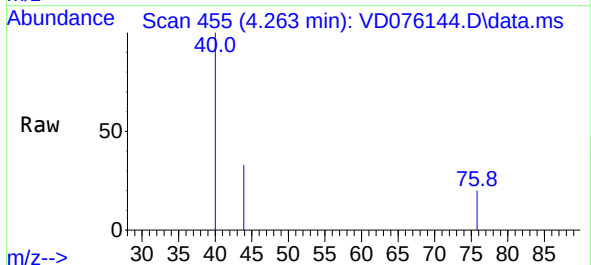
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

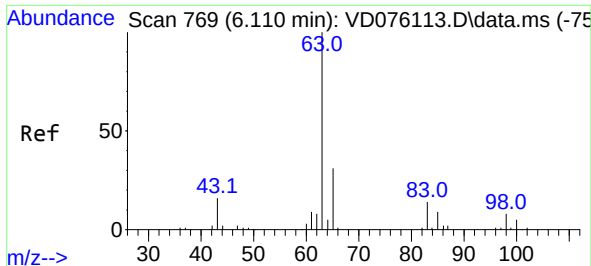
Tgt Ion: 43 Resp: 3934
Ion Ratio Lower Upper
43 100
58 48.0 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.263 min Scan# 455
Delta R.T. -0.006 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion: 76 Resp: 85
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

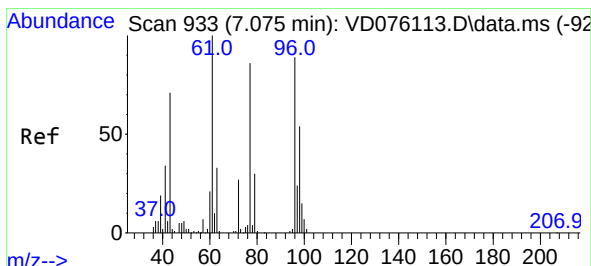
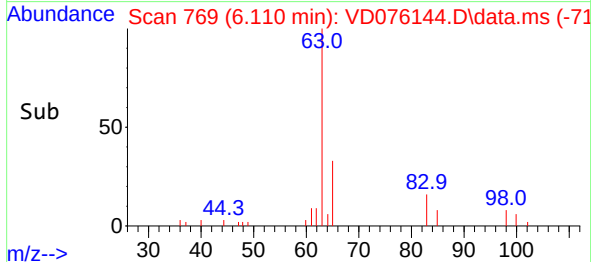
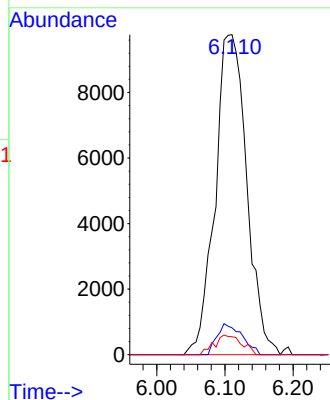
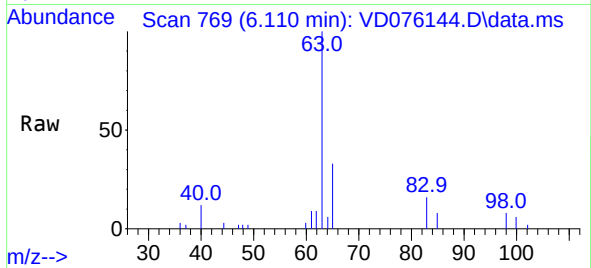




#24
1,1-Dichloroethane
Concen: 9.577 ug/l
RT: 6.110 min Scan# 769
Delta R.T. 0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

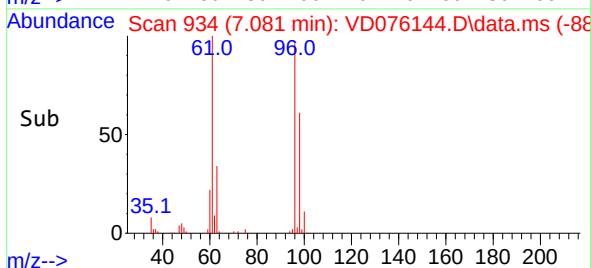
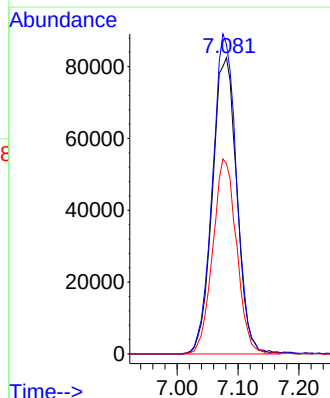
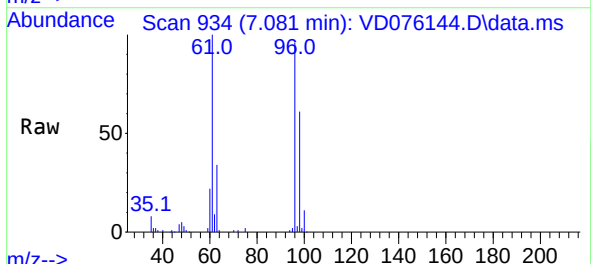
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

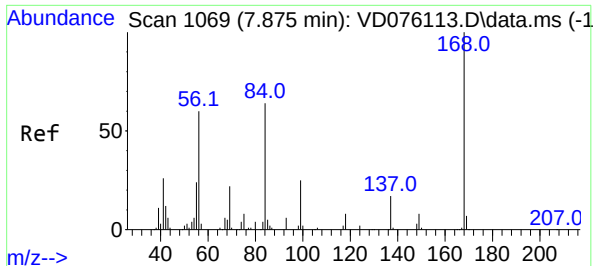
Tgt Ion: 63	Resp: 31473
Ion Ratio	Lower Upper
63 100	
98 8.4	3.9 11.7
100 5.6	2.0 6.0



#27
cis-1,2-Dichloroethene
Concen: 101.550 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

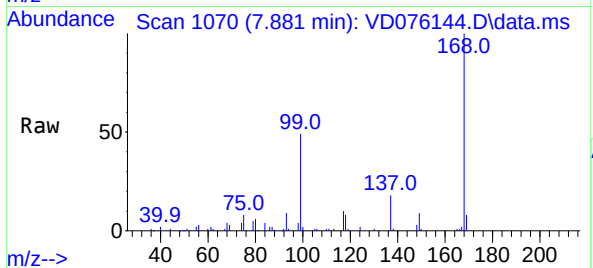
Tgt Ion: 96	Resp: 229732
Ion Ratio	Lower Upper
96 100	
61 105.7	0.0 295.2
98 64.1	0.0 129.2



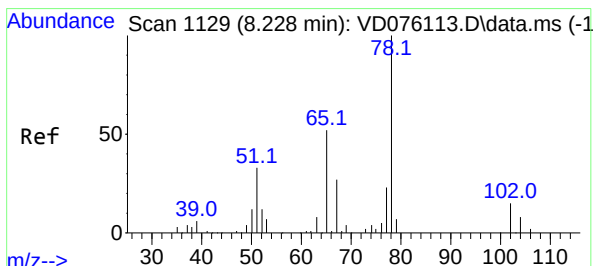
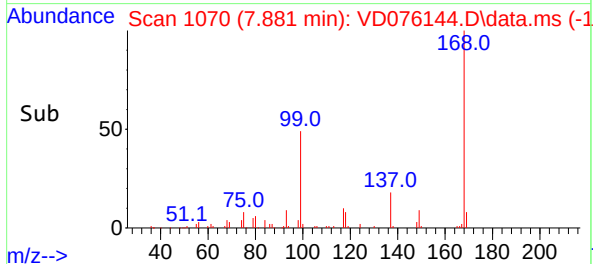
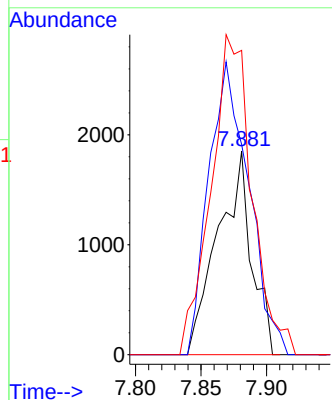


#31
Cyclohexane
Concen: 1.368 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

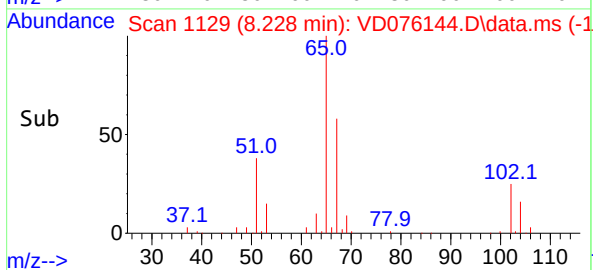
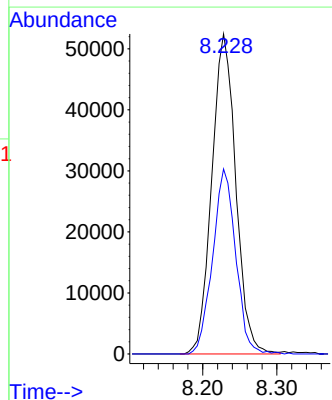
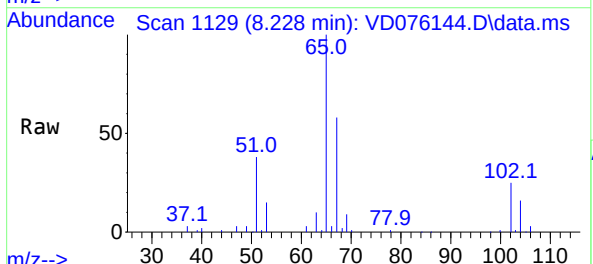


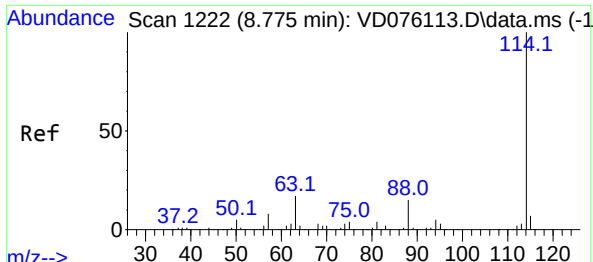
Tgt Ion: 56 Resp: 3315
Ion Ratio Lower Upper
56 100
69 103.2 25.5 38.3#
84 149.4 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 74.511 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion: 65 Resp: 117858
Ion Ratio Lower Upper
65 100
67 55.7 0.0 102.2



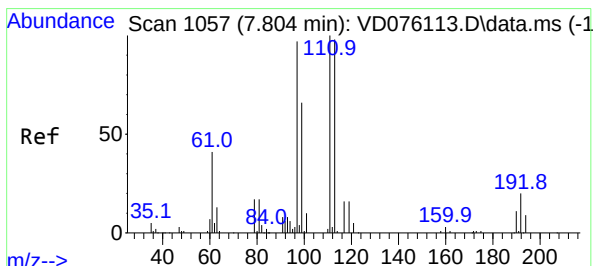
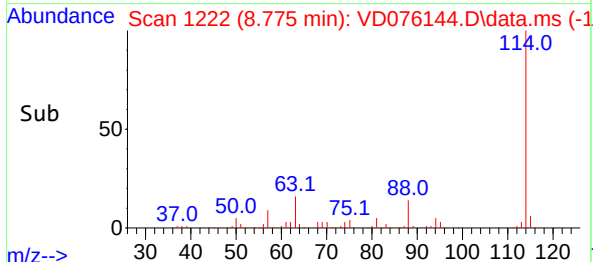
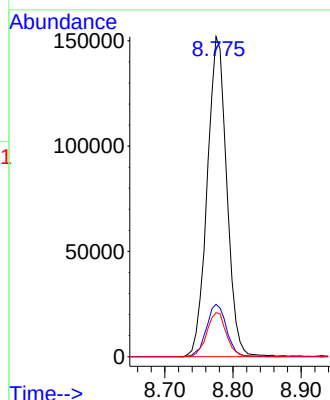
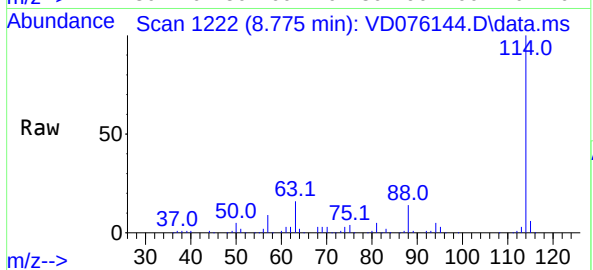


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 114
Delta R.T. 0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

Tgt Ion:114 Resp: 302924

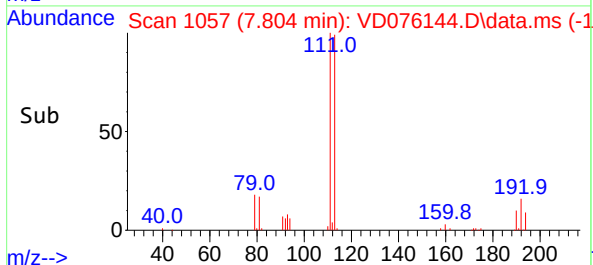
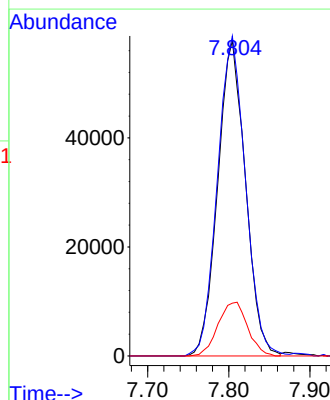
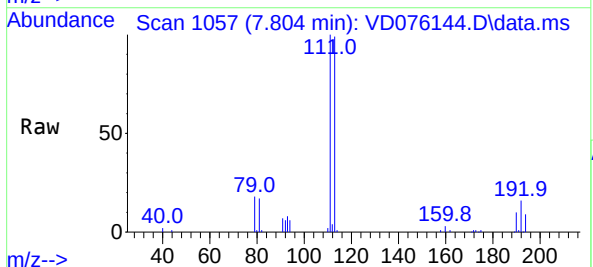
Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	41.6
88	13.8	0.0	30.6

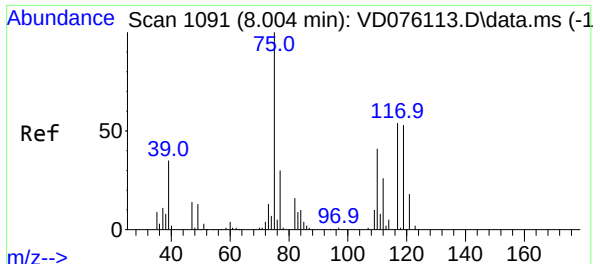


#35
Dibromofluoromethane
Concen: 65.436 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion:113 Resp: 137014

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.0
192	18.2	15.2	22.8





#36

1,1-Dichloropropene

Concen: 4.562 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076144.D

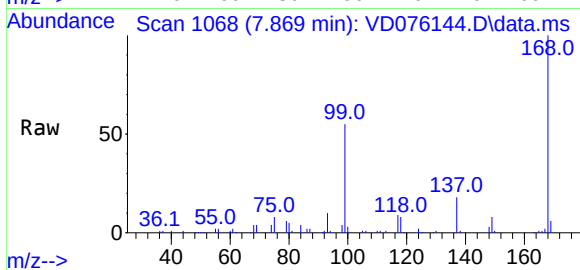
Acq: 18 May 2023 17:00

Instrument :

MSVOA_D

ClientSampleId :

CB-22-K2-SO-11-051623



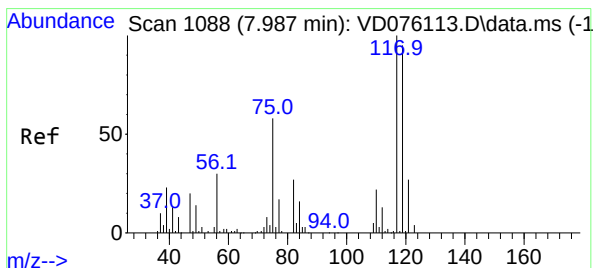
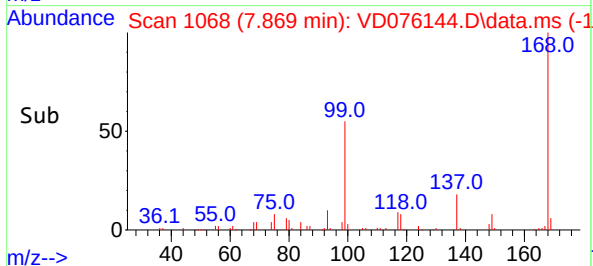
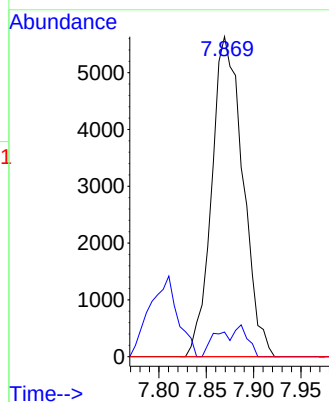
Tgt Ion: 75 Resp: 12902

Ion Ratio Lower Upper

75 100

110 4.8 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.056 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076144.D

Acq: 18 May 2023 17:00

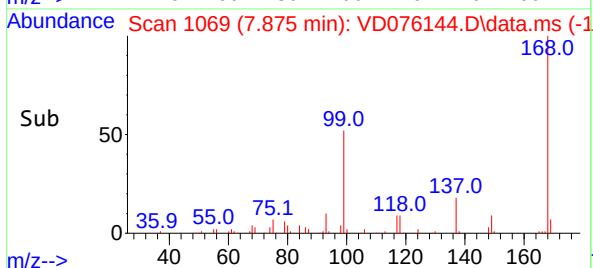
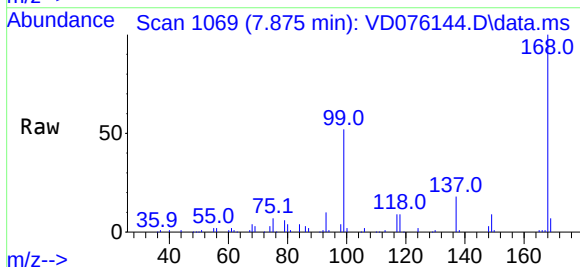
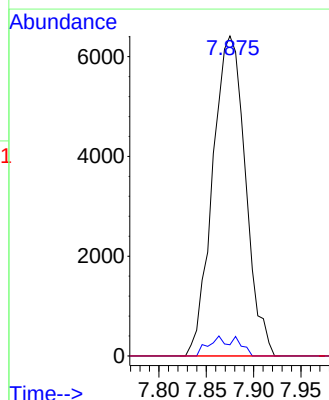
Tgt Ion: 117 Resp: 15469

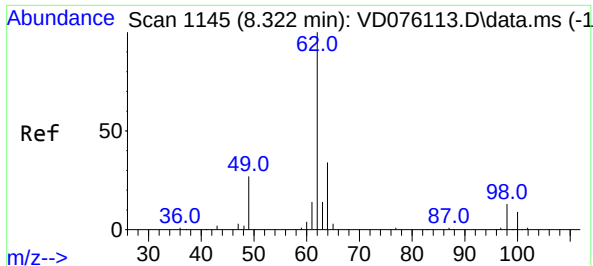
Ion Ratio Lower Upper

117 100

119 3.5 74.7 112.1#

121 0.0 25.9 38.9#





#42

1,2-Dichloroethane

Concen: 2.339 ug/l

RT: 8.334 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VD076144.D

Acq: 18 May 2023 17:00

Instrument :

MSVOA_D

ClientSampleId :

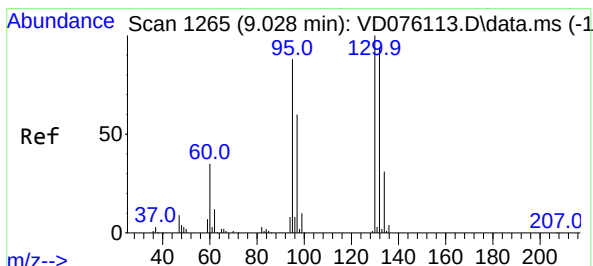
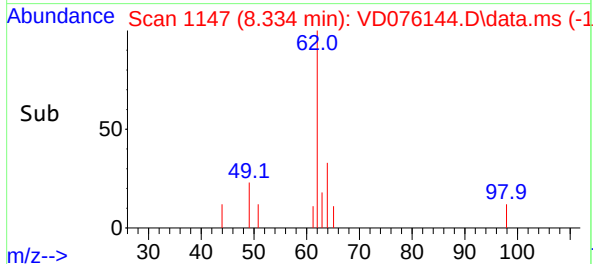
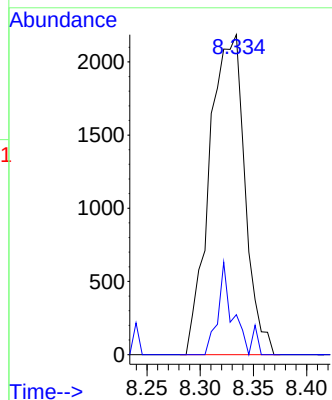
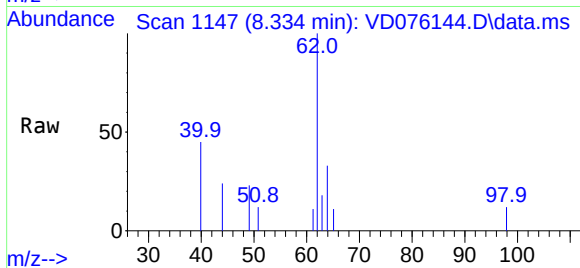
CB-22-K2-SO-11-051623

Tgt Ion: 62 Resp: 5029

Ion Ratio Lower Upper

62 100

98 11.6 0.0 18.8



#44

Trichloroethene

Concen: 30.861 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD076144.D

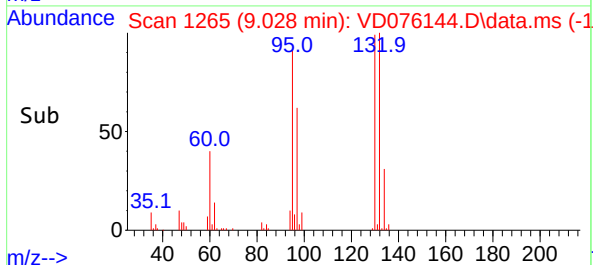
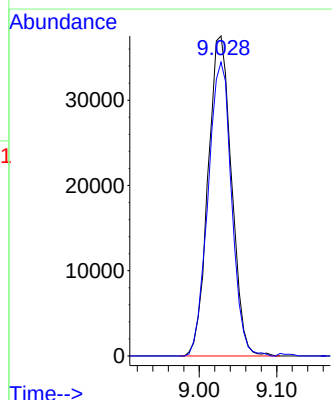
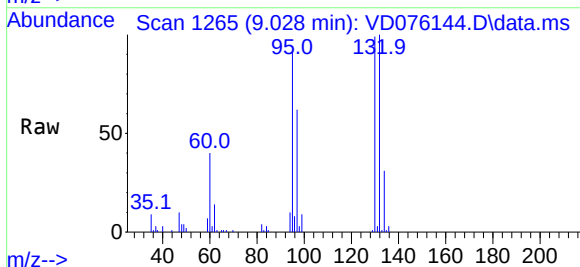
Acq: 18 May 2023 17:00

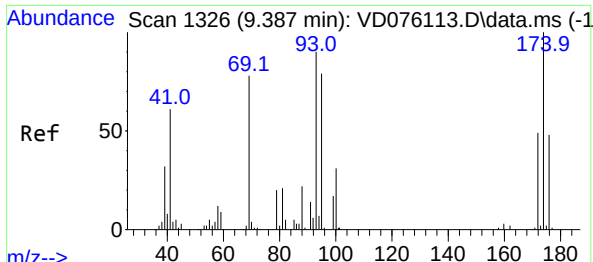
Tgt Ion:130 Resp: 79074

Ion Ratio Lower Upper

130 100

95 91.8 0.0 197.6

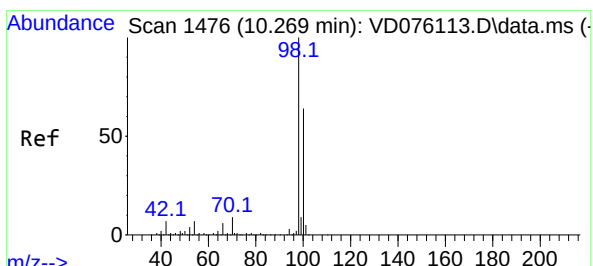
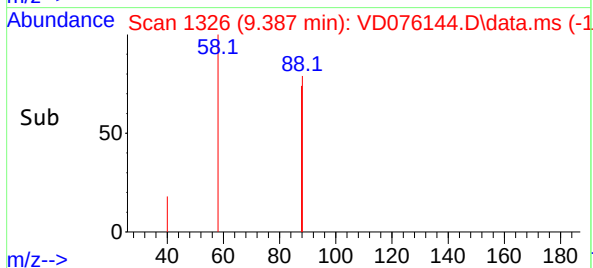
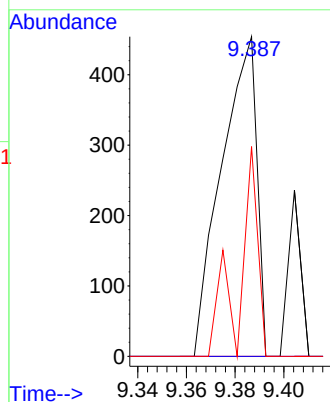
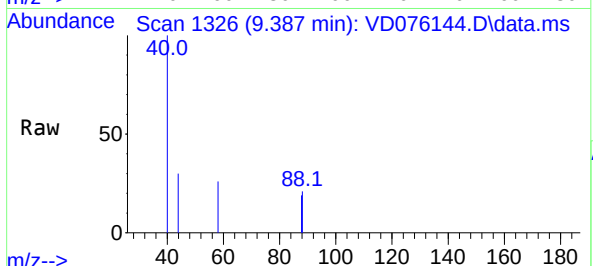




#49
1,4-Dioxane
Concen: 33.849 ug/l
RT: 9.387 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

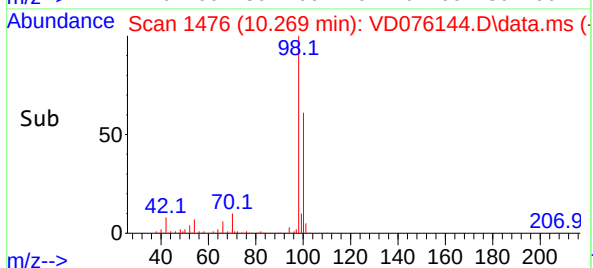
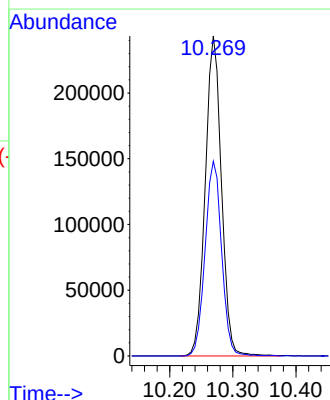
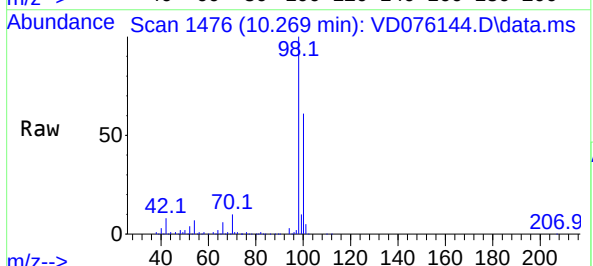
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

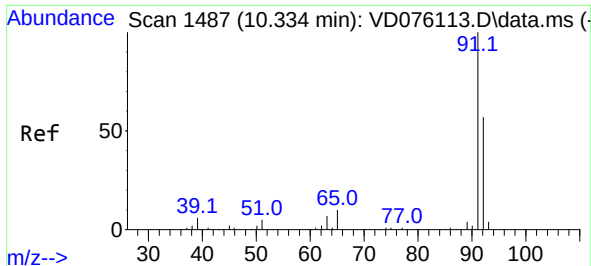
Tgt Ion: 88 Resp: 455
Ion Ratio Lower Upper
88 100
43 0.0 34.6 51.8#
58 34.7 58.0 87.0#



#50
Toluene-d8
Concen: 53.054 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion: 98 Resp: 433052
Ion Ratio Lower Upper
98 100
100 62.1 52.1 78.1

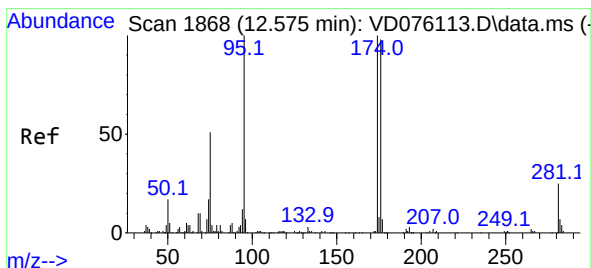
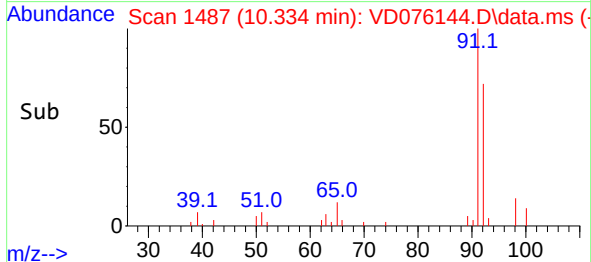
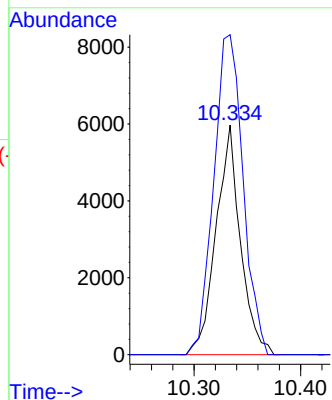
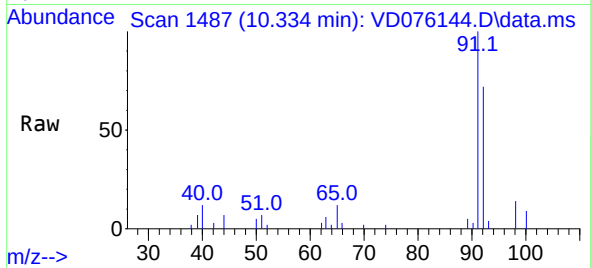




#52
Toluene
Concen: 1.671 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

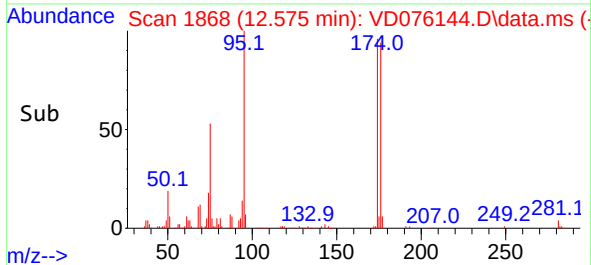
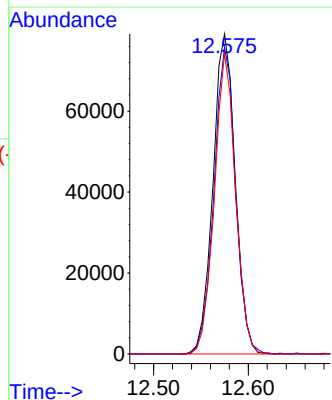
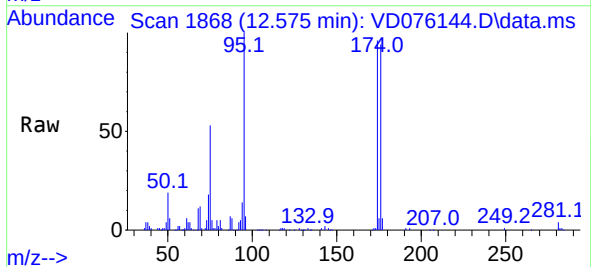
Instrument : MSVOA_D
ClientSampleId : CB-22-K2-SO-11-051623

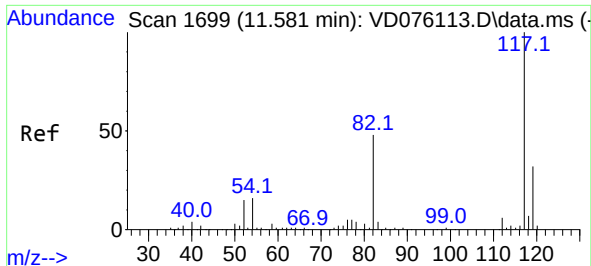
Tgt Ion: 92 Resp: 9490
Ion Ratio Lower Upper
92 100
91 167.7 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 56.901 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion: 95 Resp: 129017
Ion Ratio Lower Upper
95 100
174 93.2 0.0 164.0
176 89.1 0.0 156.8

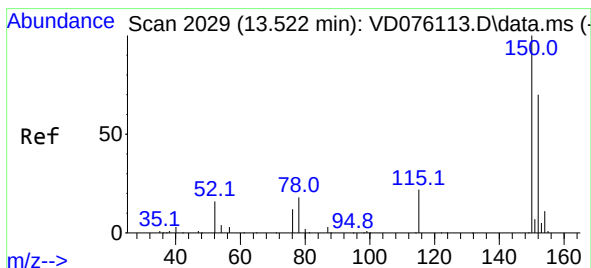
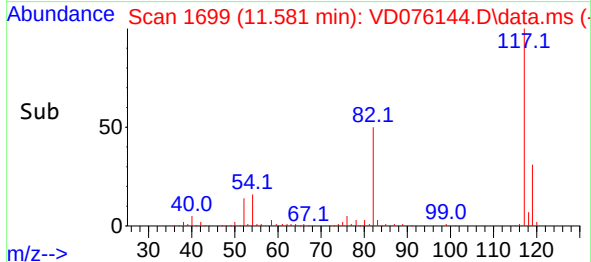
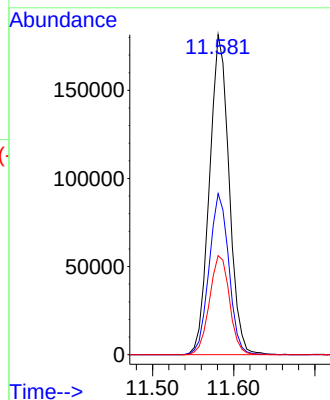
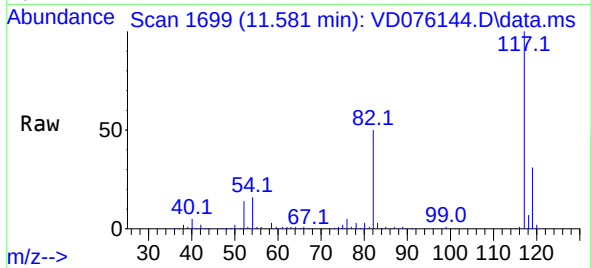




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

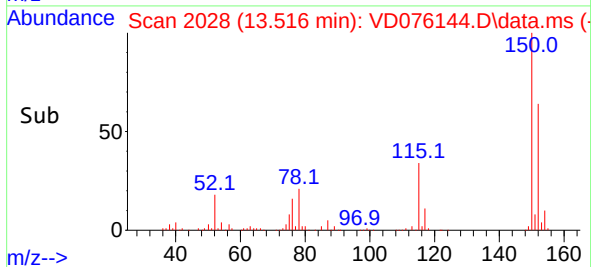
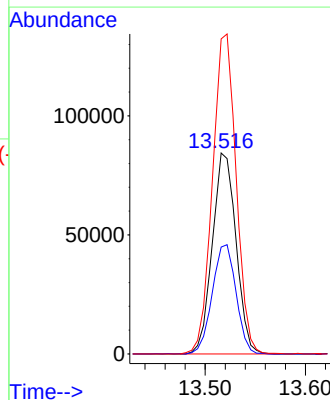
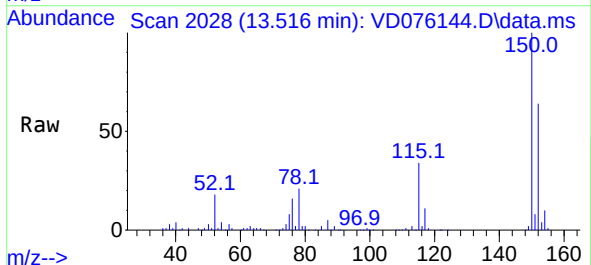
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-11-051623

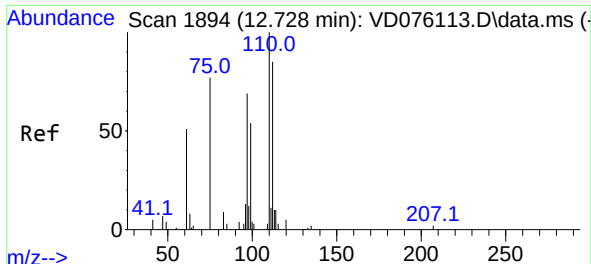
Tgt Ion:117 Resp: 304816
Ion Ratio Lower Upper
117 100
82 50.3 44.0 66.0
119 30.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion:152 Resp: 138445
Ion Ratio Lower Upper
152 100
115 54.6 30.1 90.3
150 158.9 0.0 364.8

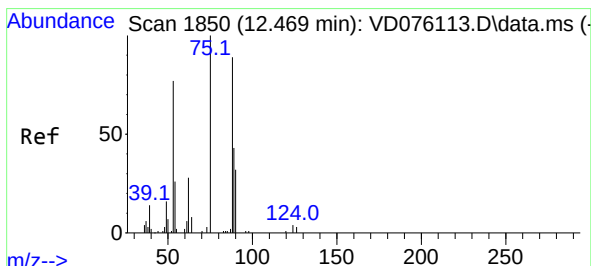
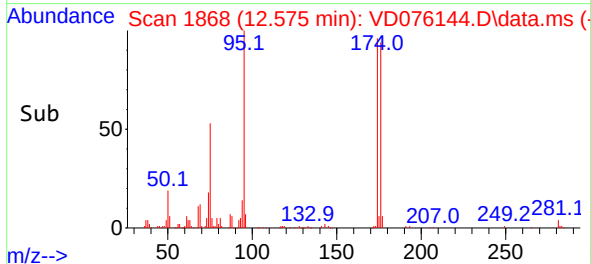
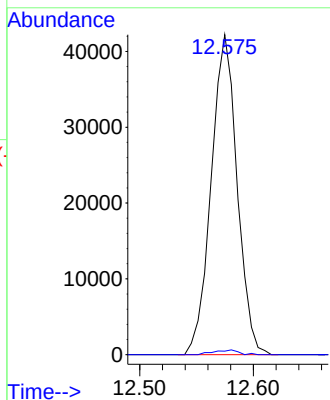
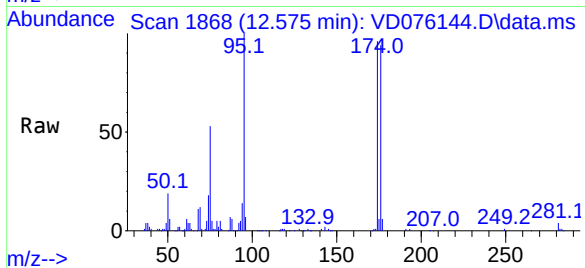




#76
1,2,3-Trichloropropane
Concen: 55.312 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Instrument : MSVOA_D
ClientSampleId : CB-22-K2-SO-11-051623

Tgt Ion: 75 Resp: 67011
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.035 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076144.D
Acq: 18 May 2023 17:00

Tgt Ion: 75 Resp: 67011
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.2 40.2 60.4#

