

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051723\
 Data File : VD076129.D
 Acq On : 17 May 2023 18:14
 Operator : KP/SY
 Sample : 02816-04
 Misc : 6.02G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-18-051623

Quant Time: May 18 05:23:10 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)

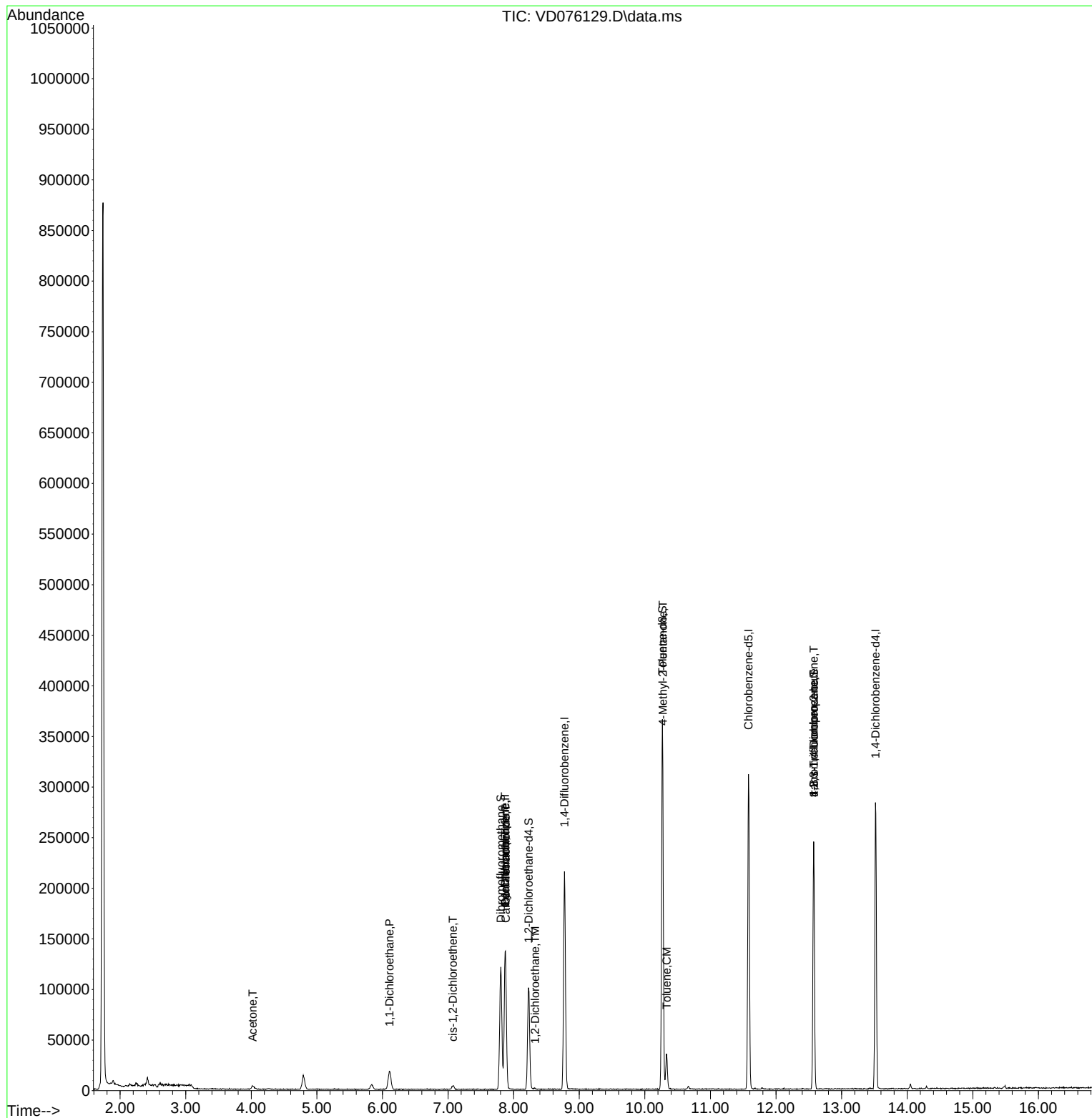
Internal Standards						
1) Pentafluorobenzene	7.875	168	112993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	203500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	197118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79328	72.641	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.280%			
35) Dibromofluoromethane	7.804	113	89300	63.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.980%			
50) Toluene-d8	10.269	98	270317	49.297	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.600%			
62) 4-Bromofluorobenzene	12.575	95	75917	49.840	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.680%			
Target Compounds						
3) Chloromethane	2.146	50	504	Below Cal	#	40
16) Acetone	4.022	43	6392	29.419	ug/l	94
17) Carbon Disulfide	4.275	76	672	Below Cal	#	73
20) Methylene Chloride	4.787	84	10805	Below Cal	#	63
24) 1,1-Dichloroethane	6.104	63	27418	12.085	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	2256	1.444	ug/l	66
31) Cyclohexane	7.869	56	2379	1.422	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	9165	4.824	ug/l #	45
38) Carbon Tetrachloride	7.881	117	10636	6.198	ug/l #	17
42) 1,2-Dichloroethane	8.328	62	1476	1.022	ug/l #	74
51) 4-Methyl-2-Pentanone	10.275	43	781	1.195	ug/l #	1
52) Toluene	10.334	92	15542	4.074	ug/l	97
76) 1,2,3-Trichloropropane	12.575	75	38962	54.470	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	38962	114.269	ug/l #	5

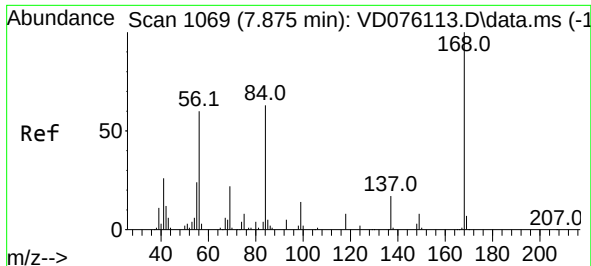
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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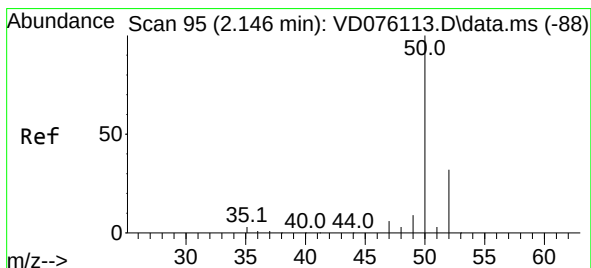
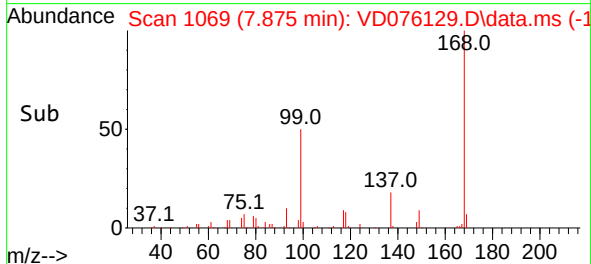
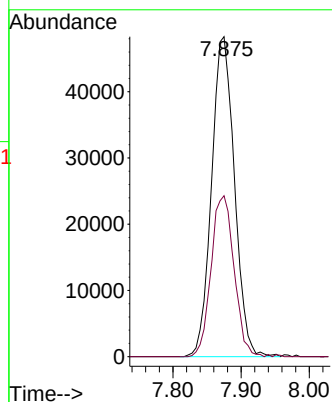
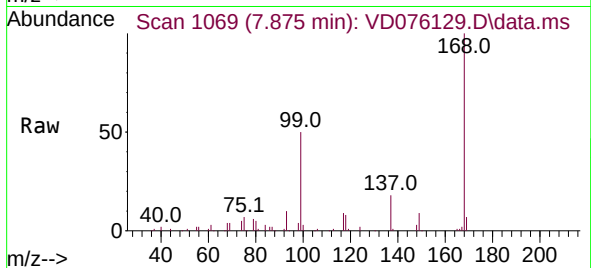




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

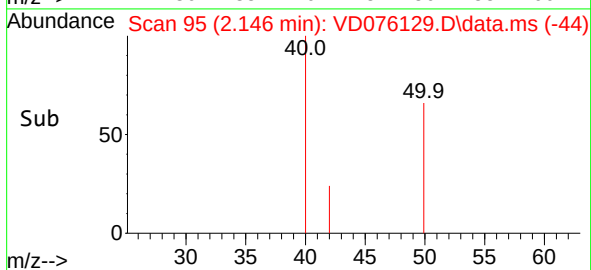
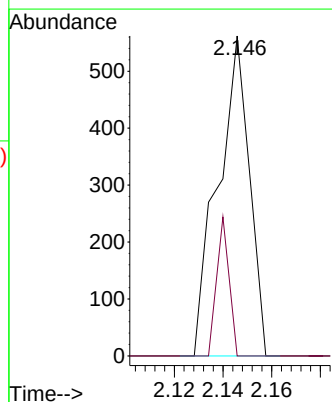
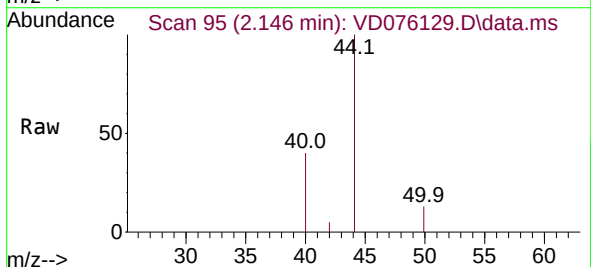
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-18-051623

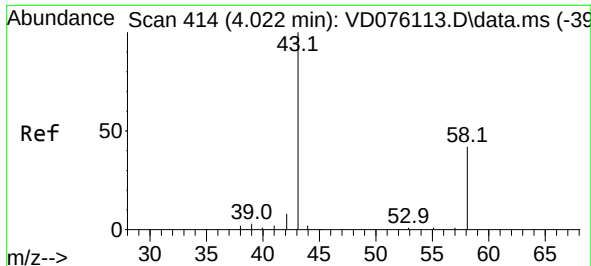
Tgt Ion:168 Resp: 112993
Ion Ratio Lower Upper
168 100
99 50.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

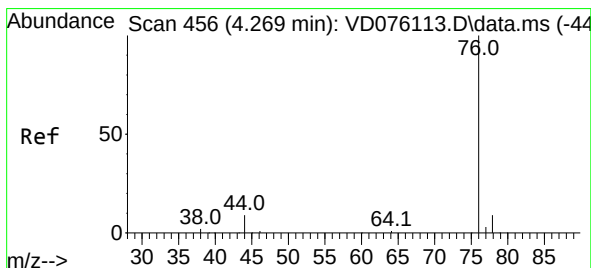
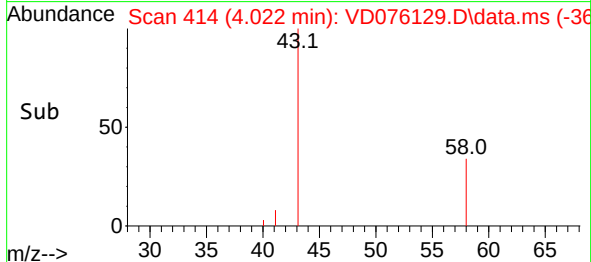
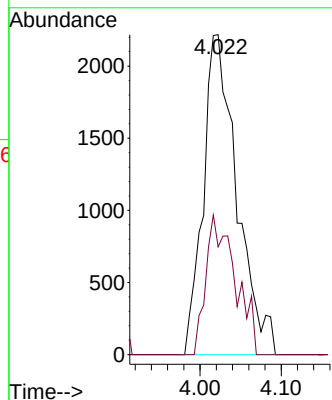
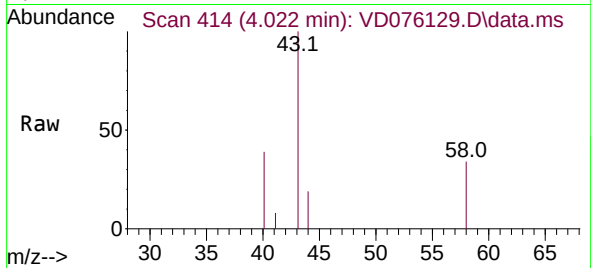




#16
Acetone
Concen: 29.419 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

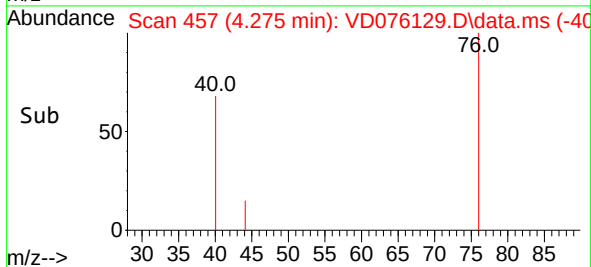
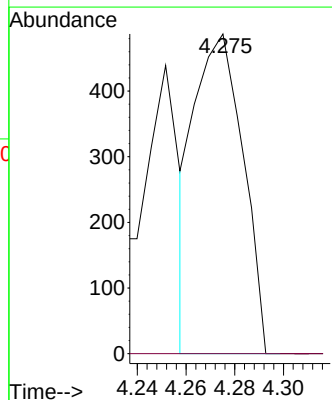
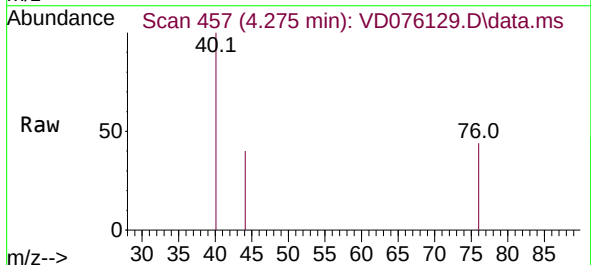
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-18-051623

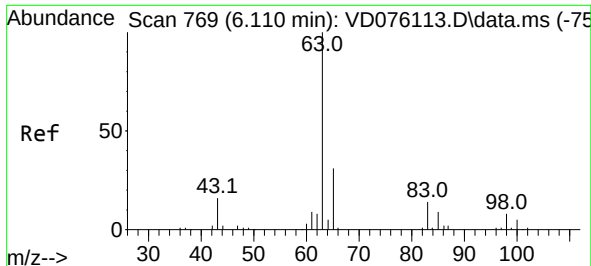
Tgt Ion: 43 Resp: 6392
Ion Ratio Lower Upper
43 100
58 33.7 24.4 36.6



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

Tgt Ion: 76 Resp: 672
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

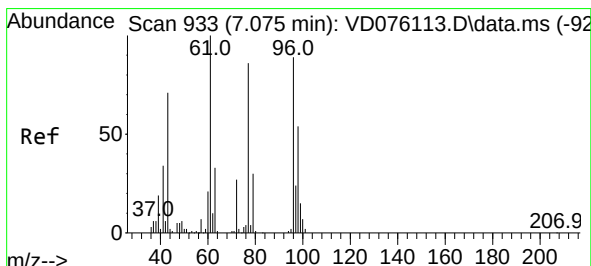
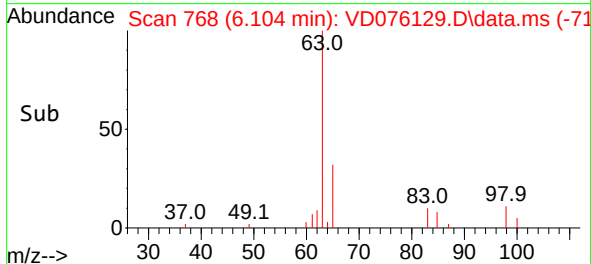
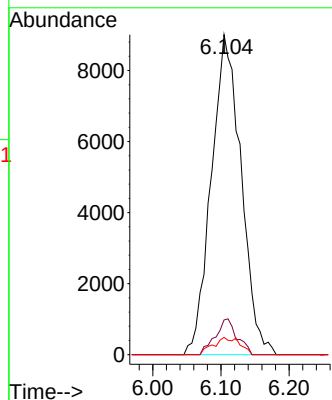
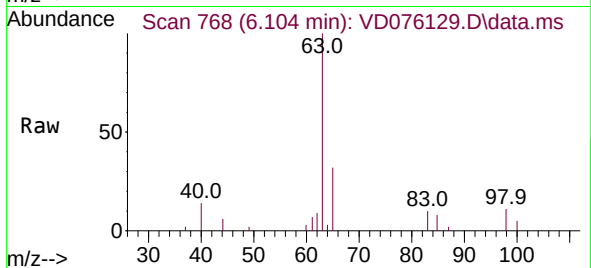




#24
 1,1-Dichloroethane
 Concen: 12.085 ug/l
 RT: 6.104 min Scan# 768
 Delta R.T. -0.006 min
 Lab File: VD076129.D
 Acq: 17 May 2023 18:14

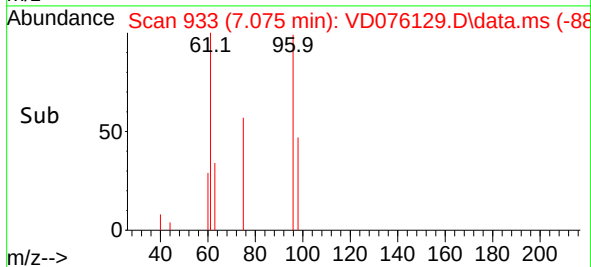
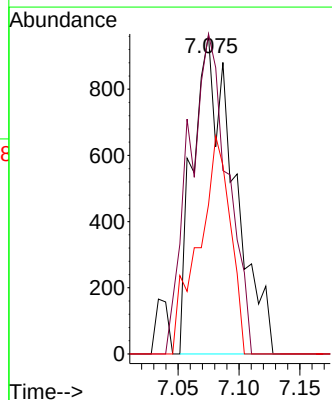
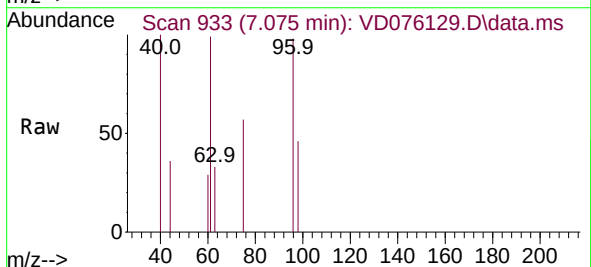
Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-18-051623

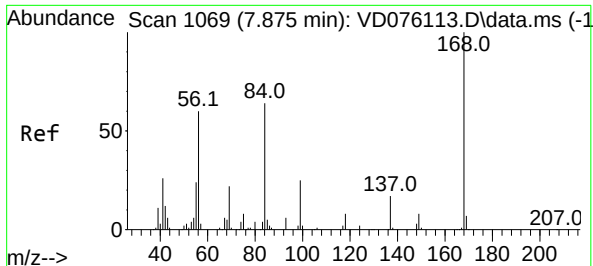
Tgt Ion: 63 Resp: 27418
 Ion Ratio Lower Upper
 63 100
 98 10.8 3.9 11.7
 100 5.4 2.0 6.0



#27
 cis-1,2-Dichloroethene
 Concen: 1.444 ug/l
 RT: 7.075 min Scan# 933
 Delta R.T. -0.006 min
 Lab File: VD076129.D
 Acq: 17 May 2023 18:14

Tgt Ion: 96 Resp: 2256
 Ion Ratio Lower Upper
 96 100
 61 95.1 0.0 295.2
 98 53.1 0.0 129.2

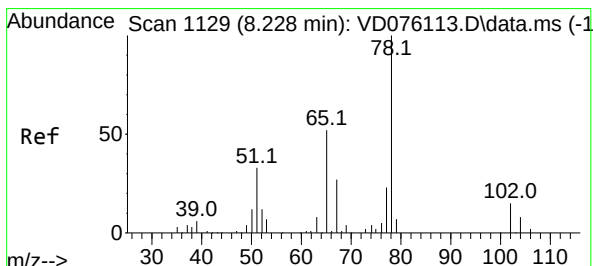
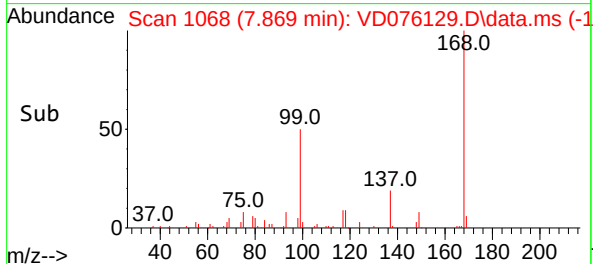
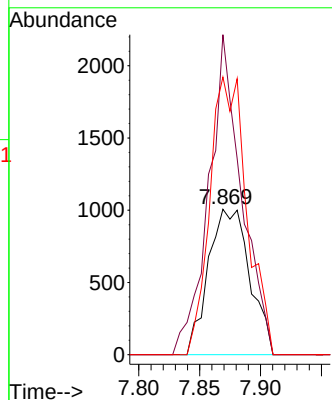
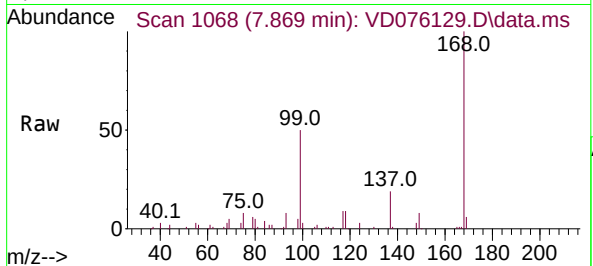




#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

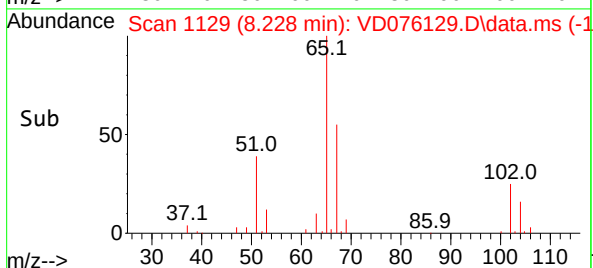
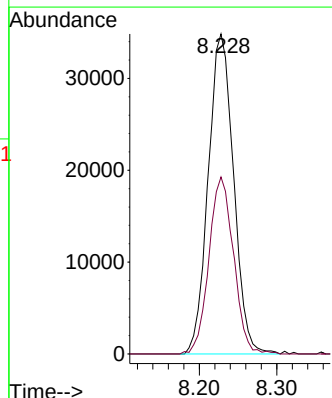
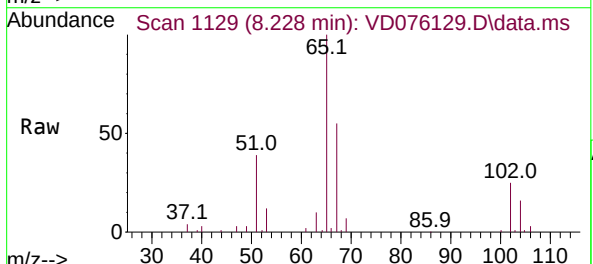
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-18-051623

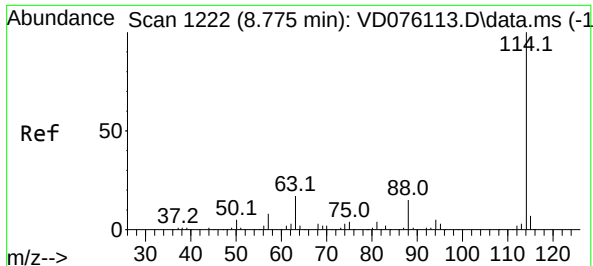
Tgt Ion: 56 Resp: 2379
Ion Ratio Lower Upper
56 100
69 220.0 25.5 38.3#
84 190.9 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 72.641 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

Tgt Ion: 65 Resp: 79328
Ion Ratio Lower Upper
65 100
67 53.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076129.D

Acq: 17 May 2023 18:14

Instrument :

MSVOA_D

ClientSampleId :

CB-22-K2-SO-18-051623

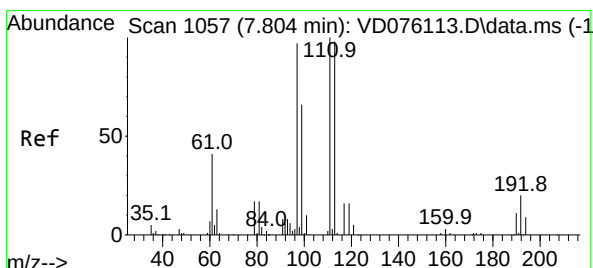
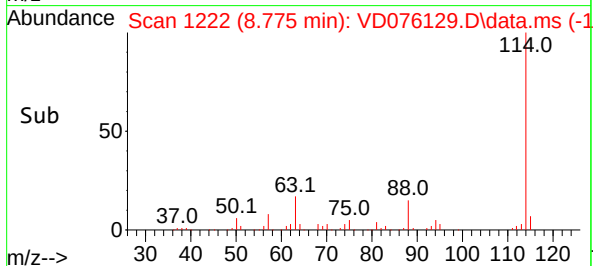
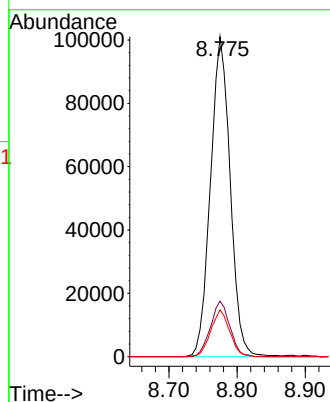
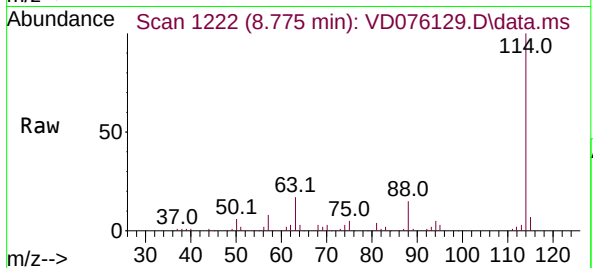
Tgt Ion:114 Resp: 203500

Ion Ratio Lower Upper

114 100

63 17.3 0.0 41.6

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 63.485 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076129.D

Acq: 17 May 2023 18:14

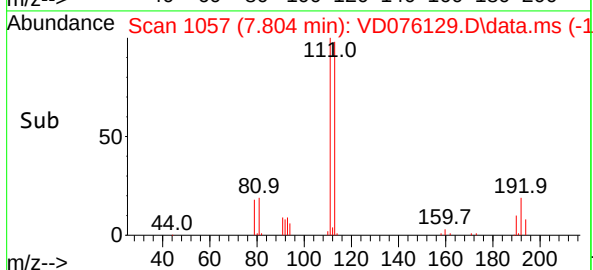
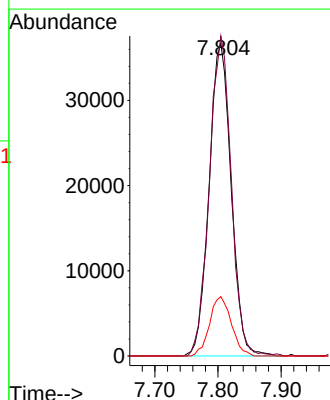
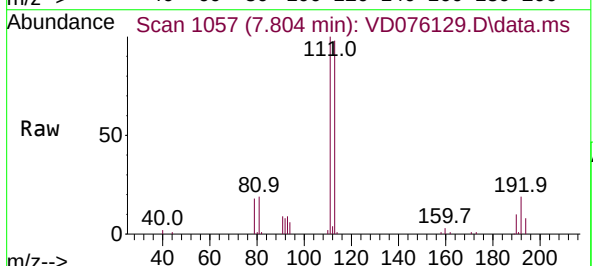
Tgt Ion:113 Resp: 89300

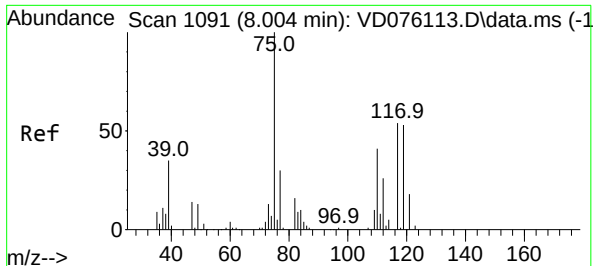
Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

192 18.7 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076129.D

Acq: 17 May 2023 18:14

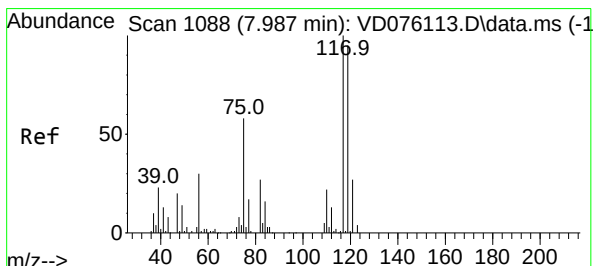
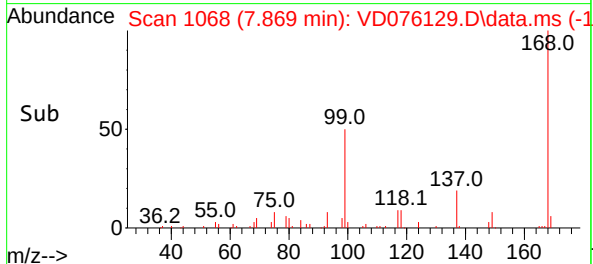
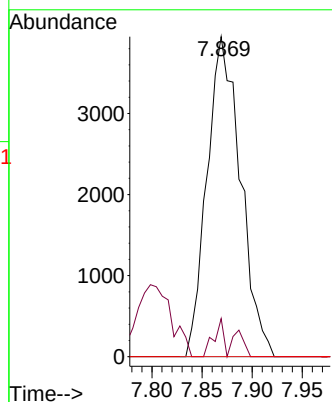
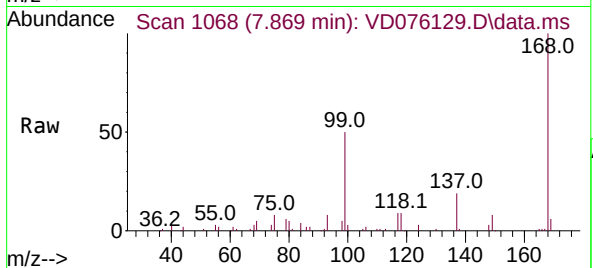
Instrument :

MSVOA_D

ClientSampleId :

CB-22-K2-SO-18-051623

Tgt Ion: 75	Resp: 9165
Ion Ratio	Lower Upper
75 100	
110 3.5	17.1 51.2#
77 0.0	24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.198 ug/l

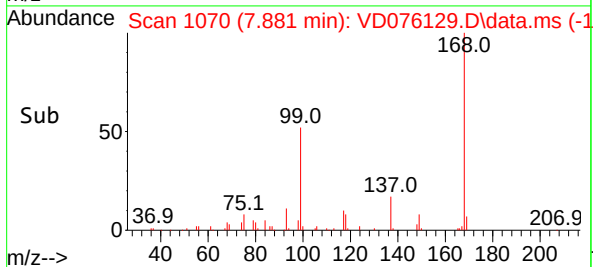
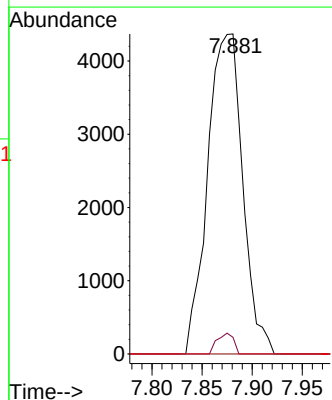
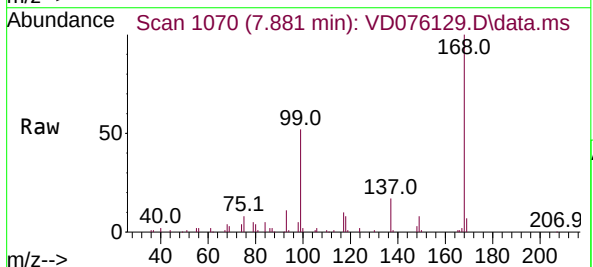
RT: 7.881 min Scan# 1070

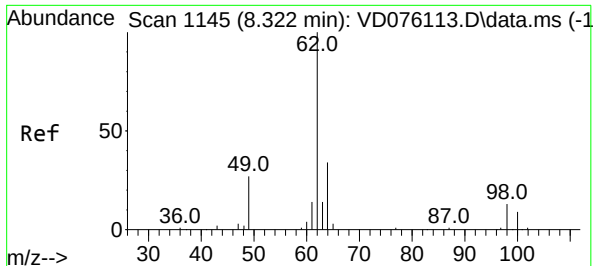
Delta R.T. -0.112 min

Lab File: VD076129.D

Acq: 17 May 2023 18:14

Tgt Ion: 117	Resp: 10636
Ion Ratio	Lower Upper
117 100	
119 5.2	74.7 112.1#
121 0.0	25.9 38.9#





#42

1,2-Dichloroethane

Concen: 1.022 ug/l

RT: 8.328 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VD076129.D

Acq: 17 May 2023 18:14

Instrument :

MSVOA_D

ClientSampleId :

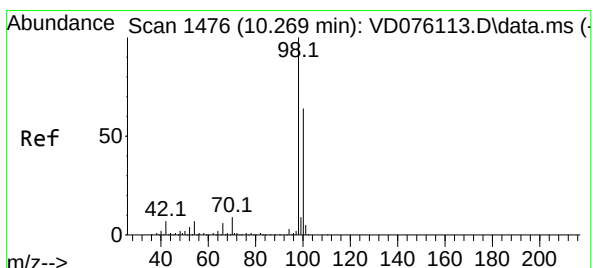
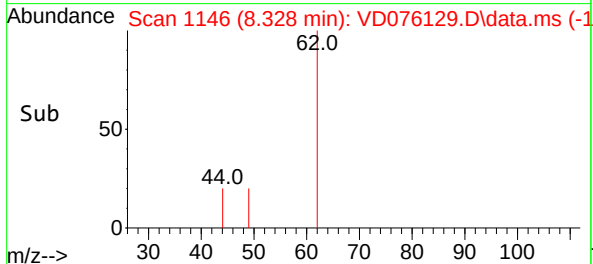
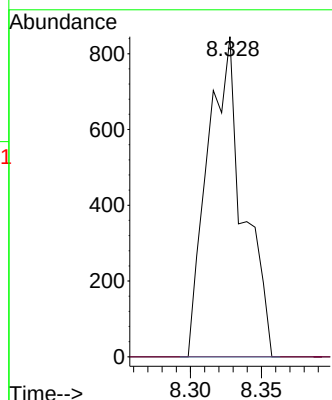
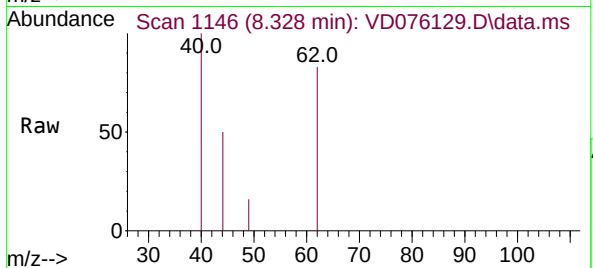
CB-22-K2-SO-18-051623

Tgt Ion: 62 Resp: 1476

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.8



#50

Toluene-d8

Concen: 49.297 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076129.D

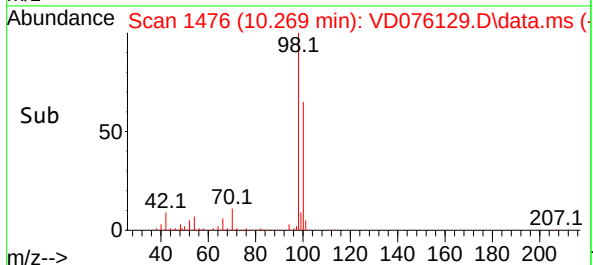
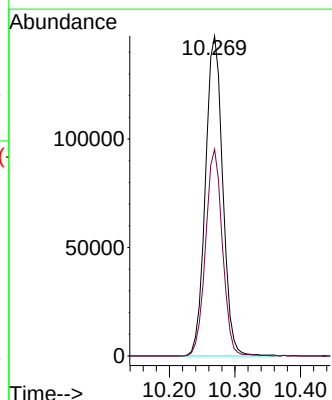
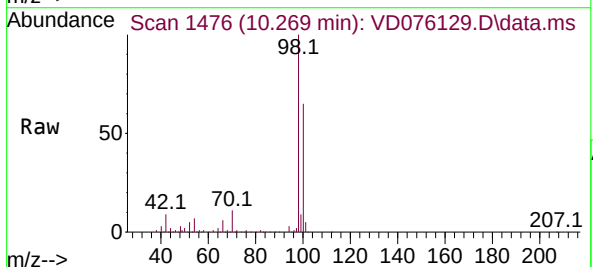
Acq: 17 May 2023 18:14

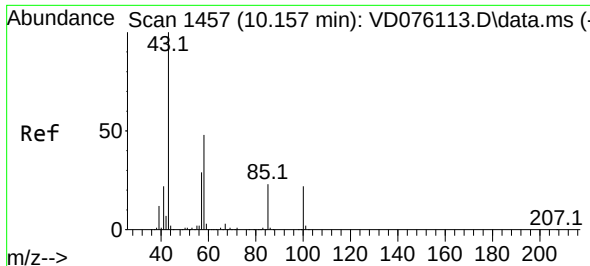
Tgt Ion: 98 Resp: 270317

Ion Ratio Lower Upper

98 100

100 63.0 52.1 78.1

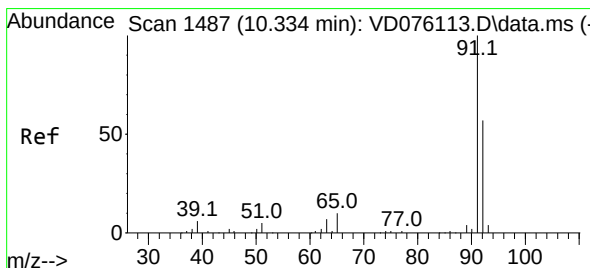
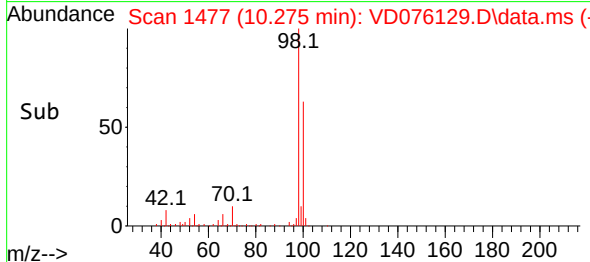
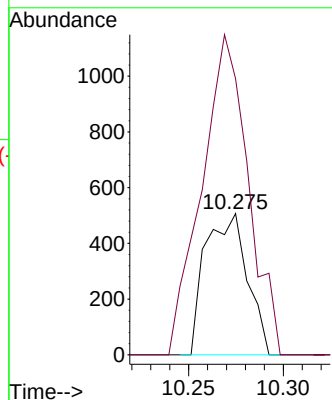
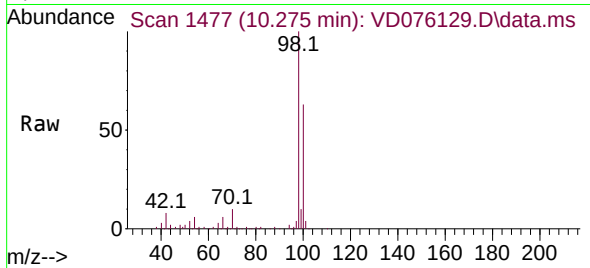




#51
4-Methyl-2-Pentanone
Concen: 1.195 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

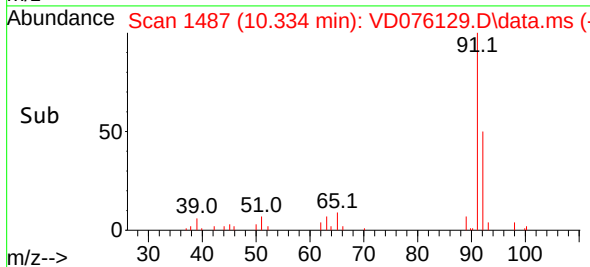
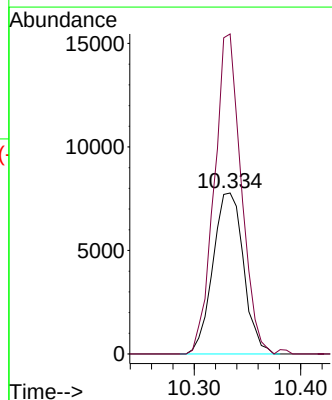
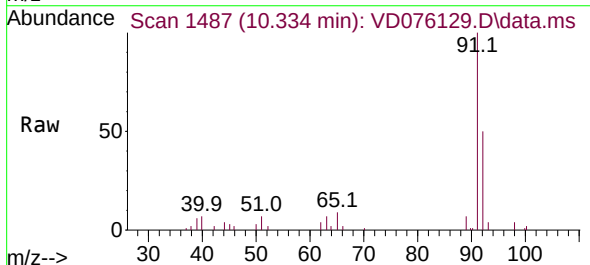
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-18-051623

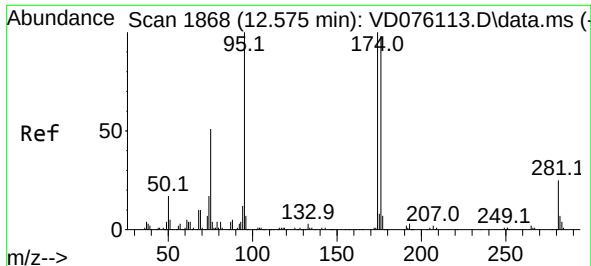
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 251.0 29.5 44.3#



#52
Toluene
Concen: 4.074 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

Tgt Ion: 92 Resp: 15542
Ion Ratio Lower Upper
92 100
91 174.9 136.5 204.7

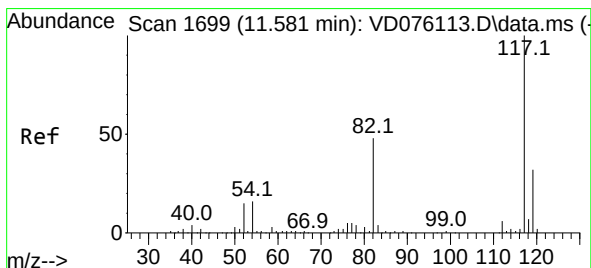
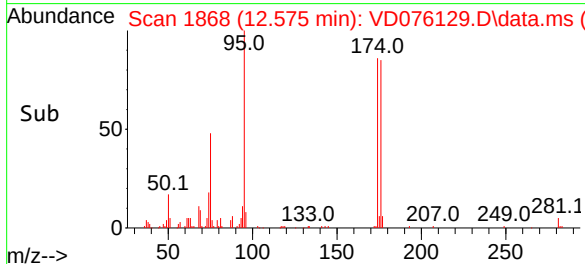
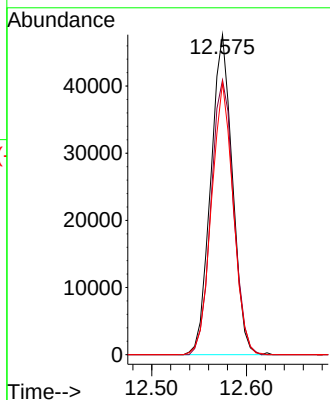
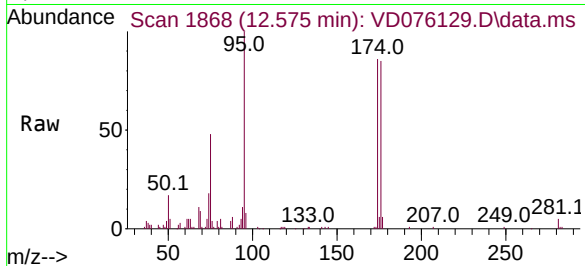




#62
4-Bromofluorobenzene
Concen: 49.840 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

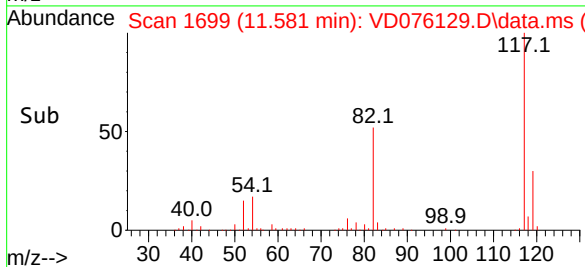
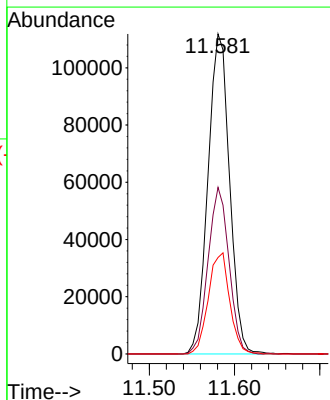
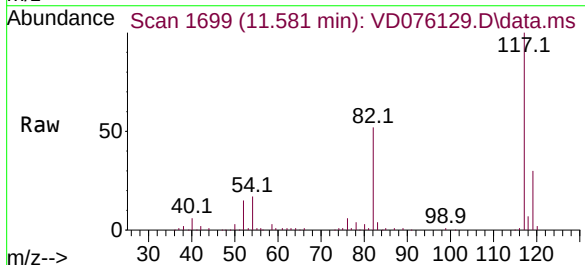
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-18-051623

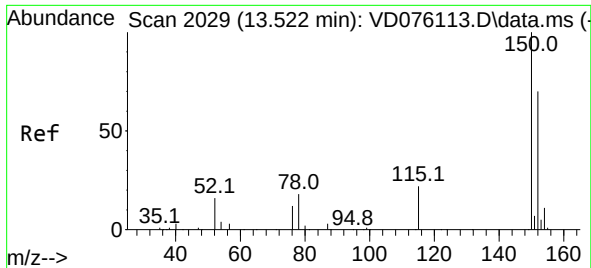
Tgt Ion: 95 Resp: 75917
Ion Ratio Lower Upper
95 100
174 88.6 0.0 164.0
176 85.1 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076129.D
Acq: 17 May 2023 18:14

Tgt Ion: 117 Resp: 197118
Ion Ratio Lower Upper
117 100
82 52.0 44.0 66.0
119 30.2 25.1 37.7

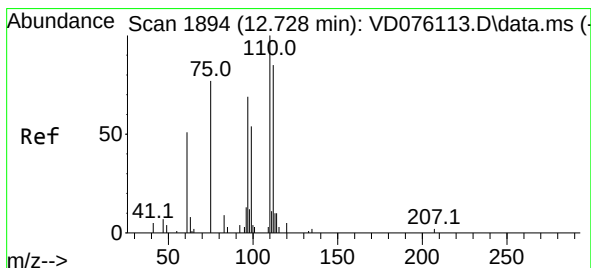
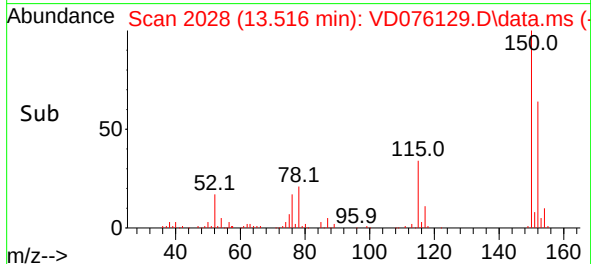
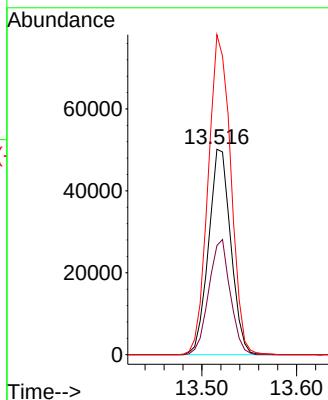
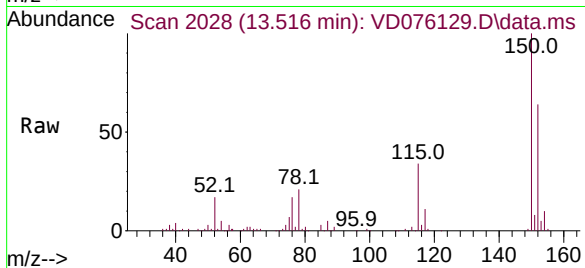




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076129.D
 Acq: 17 May 2023 18:14

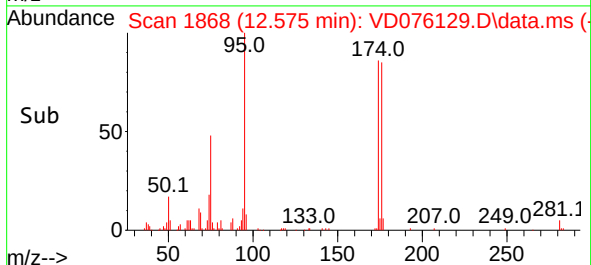
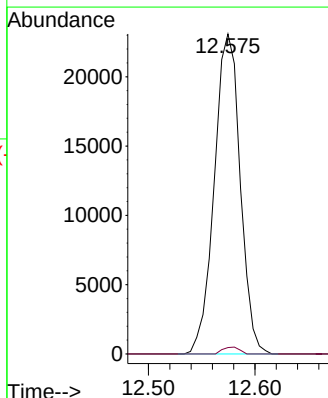
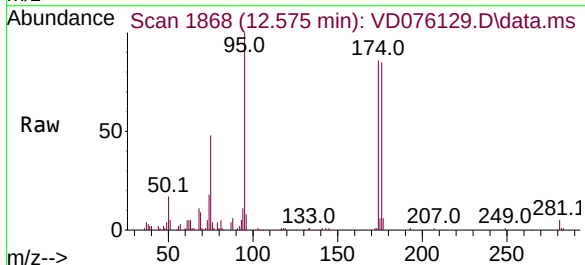
Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-18-051623

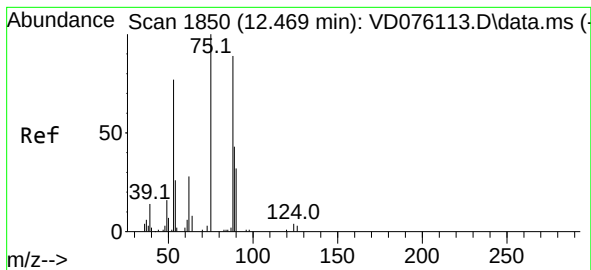
Tgt Ion:152 Resp: 81740
 Ion Ratio Lower Upper
 152 100
 115 54.2 30.1 90.3
 150 158.8 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 54.470 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076129.D
 Acq: 17 May 2023 18:14

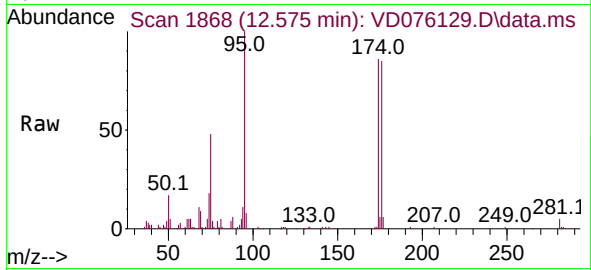
Tgt Ion: 75 Resp: 38962
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.269 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076129.D
 Acq: 17 May 2023 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-18-051623



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

