

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051723\
 Data File : VD076128.D
 Acq On : 17 May 2023 17:44
 Operator : KP/SY
 Sample : 02816-02
 Misc : 7.25G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-8-051623

Quant Time: May 18 05:22:48 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)

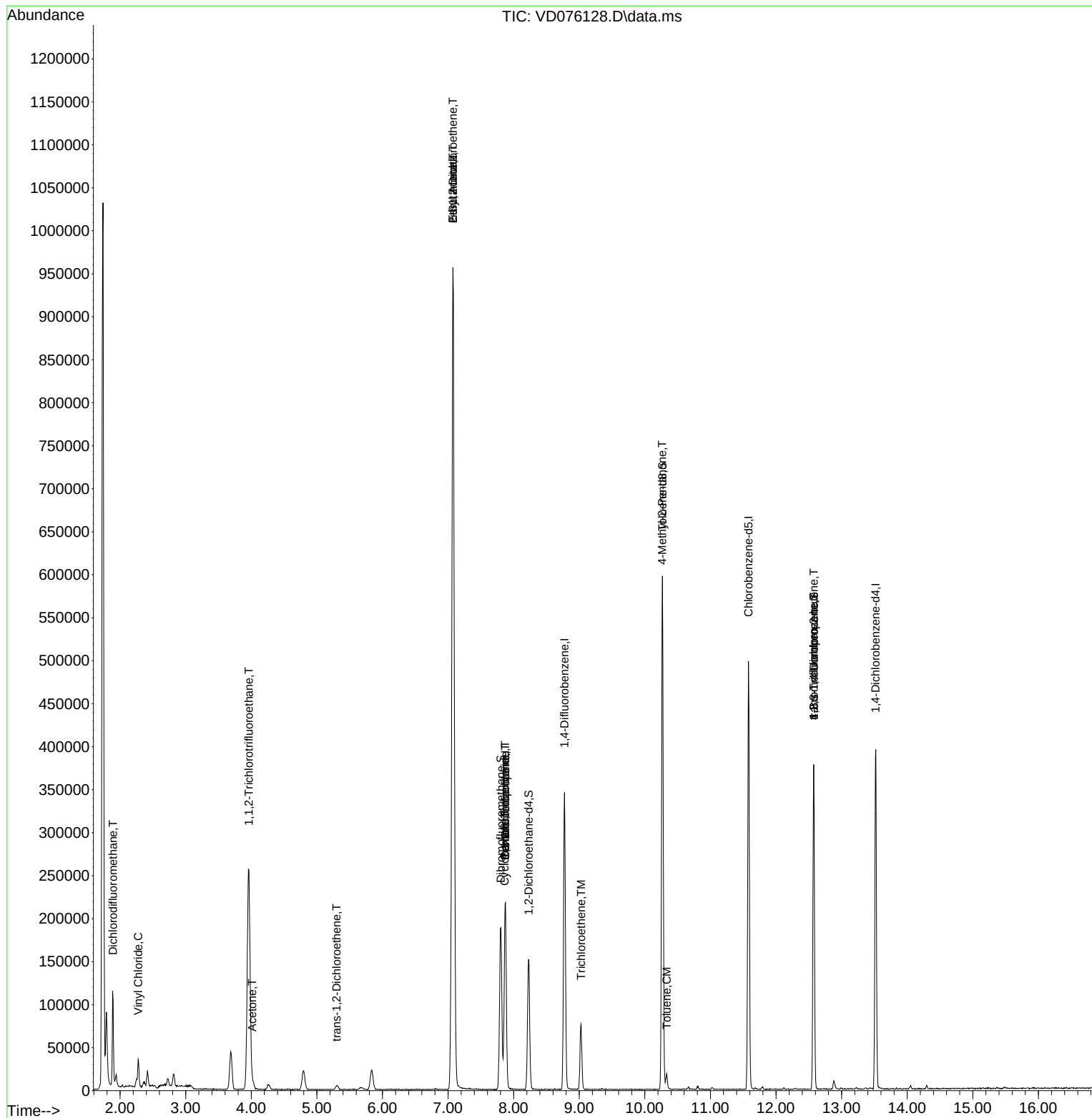
Internal Standards						
1) Pentafluorobenzene	7.869	168	177270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	325874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	305943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	111663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	119204	69.577	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.160%
35) Dibromofluoromethane	7.804	113	141223	62.696	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.400%
50) Toluene-d8	10.269	98	434419	49.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.940%
62) 4-Bromofluorobenzene	12.575	95	118268	48.487	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.980%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.893	85	12615	7.890	ug/l	96
3) Chloromethane	2.152	50	705	Below Cal		94
4) Vinyl Chloride	2.275	62	26164	7.588	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.963	101	179377	93.180	ug/l	95
16) Acetone	4.016	43	12573	36.884	ug/l #	80
17) Carbon Disulfide	4.263	76	12950	Below Cal		96
20) Methylene Chloride	4.799	84	19457	Below Cal	#	71
21) trans-1,2-Dichloroethene	5.299	96	3666	1.660	ug/l #	54
25) 2-Butanone	7.075	43	4399	10.263	ug/l #	1
27) cis-1,2-Dichloroethene	7.075	96	655153	267.371	ug/l	77
31) Cyclohexane	7.863	56	3674	1.400	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	14212	4.672	ug/l #	48
37) Ethyl Acetate	7.075	43	4399	4.176	ug/l #	1
38) Carbon Tetrachloride	7.869	117	16154	5.879	ug/l #	18
44) Trichloroethene	9.028	130	30395	11.027	ug/l	85
51) 4-Methyl-2-Pentanone	10.263	43	1335	1.276	ug/l #	1
52) Toluene	10.334	92	6988	1.144	ug/l	93
76) 1,2,3-Trichloropropane	12.575	75	57906	59.260	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57906	124.318	ug/l #	5

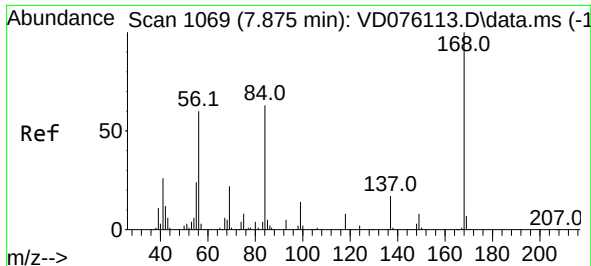
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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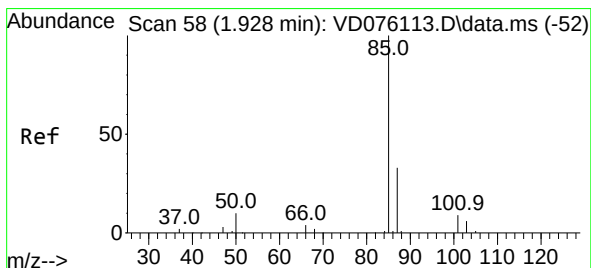
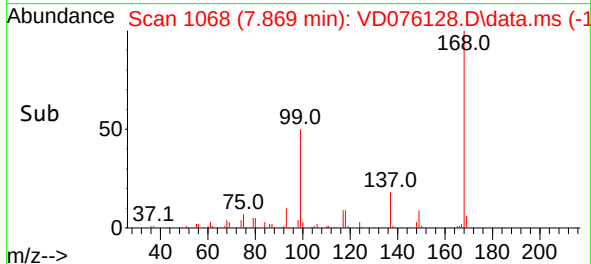
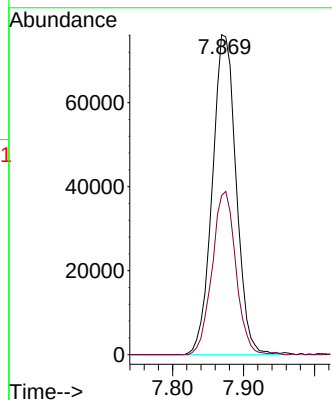
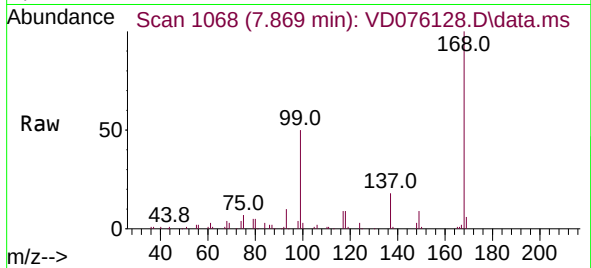




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

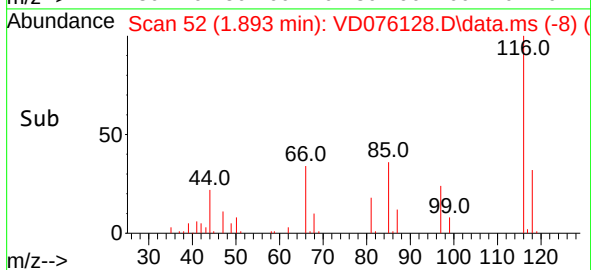
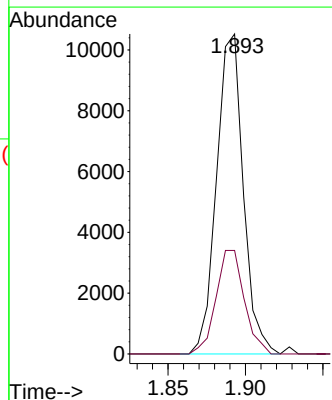
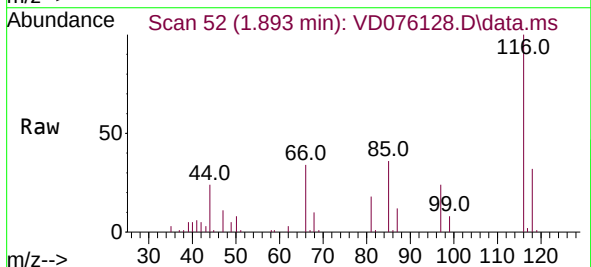
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-8-051623

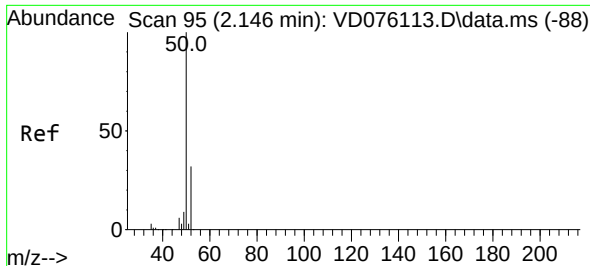
Tgt Ion:168 Resp: 177270
Ion Ratio Lower Upper
168 100
99 49.8 43.8 65.6



#2
Dichlorodifluoromethane
Concen: 7.890 ug/l
RT: 1.893 min Scan# 52
Delta R.T. -0.041 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

Tgt Ion: 85 Resp: 12615
Ion Ratio Lower Upper
85 100
87 32.3 17.3 51.7

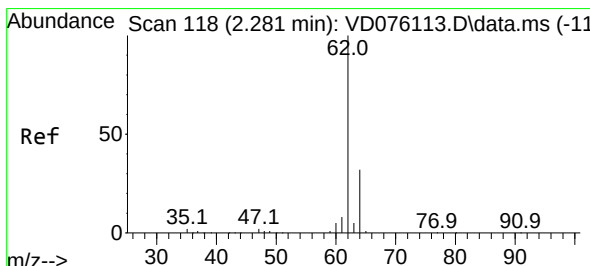
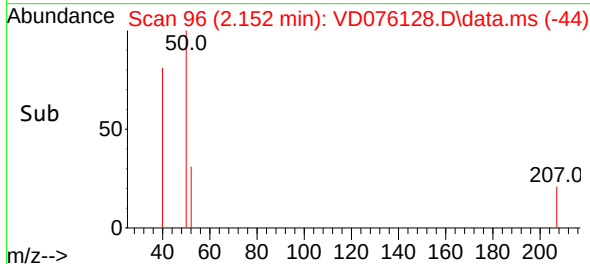
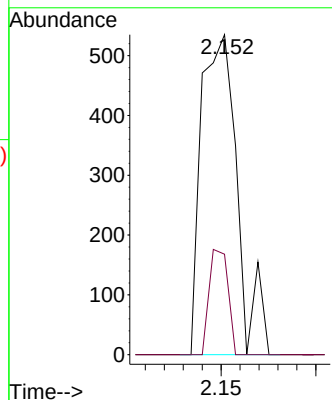
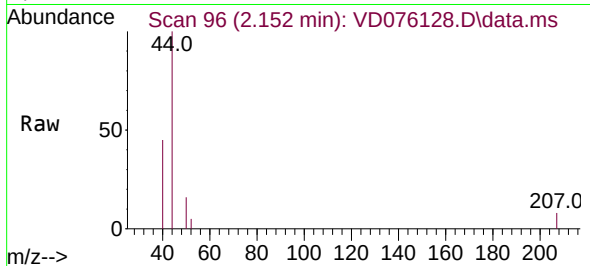




#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

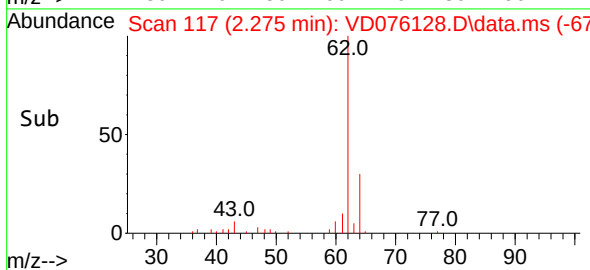
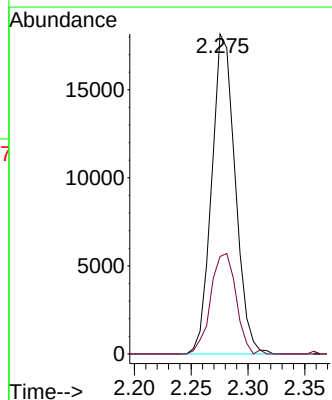
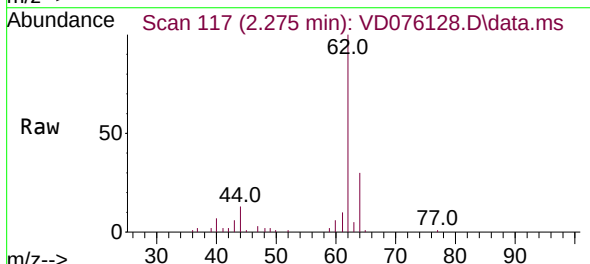
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-8-051623

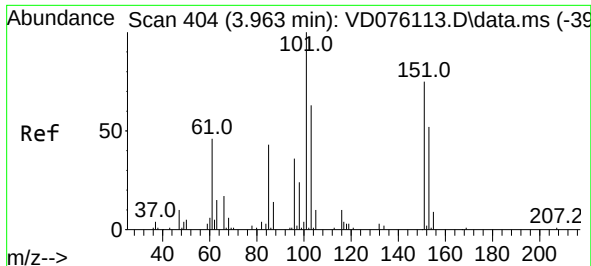
Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 31.4 27.8 41.8



#4
Vinyl Chloride
Concen: 7.588 ug/l
RT: 2.275 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

Tgt Ion: 62 Resp: 26164
Ion Ratio Lower Upper
62 100
64 30.4 25.4 38.0

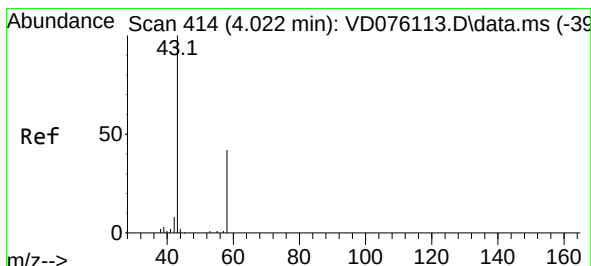
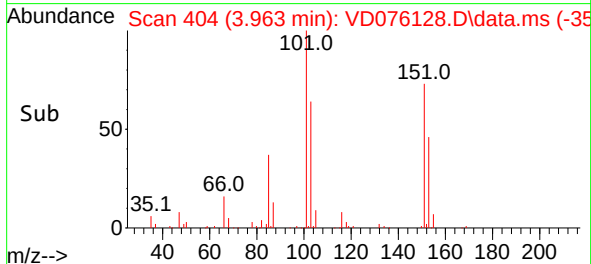
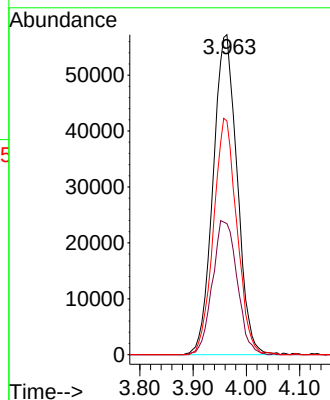
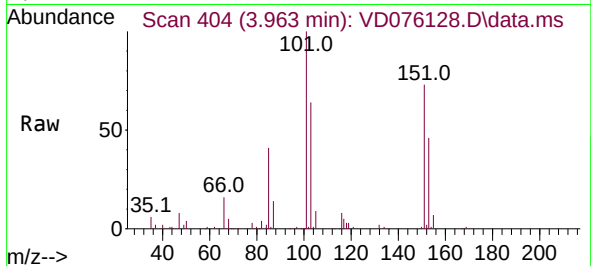




#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.180 ug/l
RT: 3.963 min Scan# 404
Delta R.T. -0.001 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

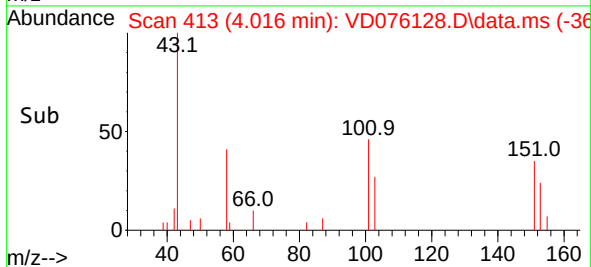
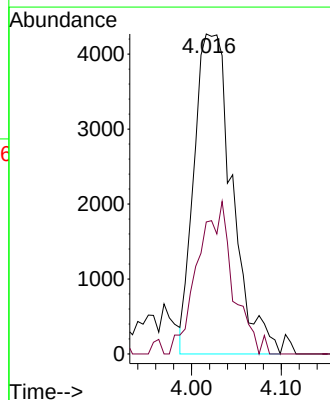
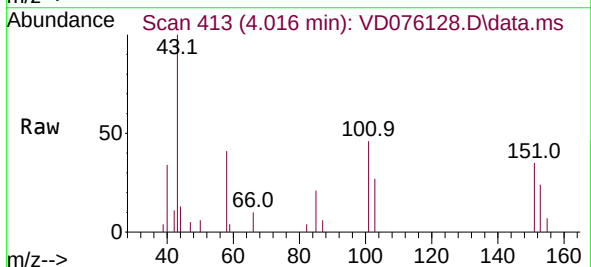
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-8-051623

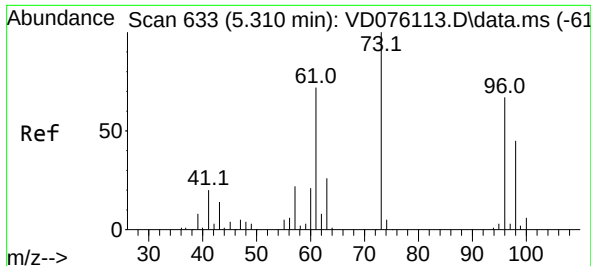
Tgt Ion:101 Resp: 179377
Ion Ratio Lower Upper
101 100
85 43.0 38.3 57.5
151 71.8 60.4 90.6



#16
Acetone
Concen: 36.884 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

Tgt Ion: 43 Resp: 12573
Ion Ratio Lower Upper
43 100
58 41.3 24.4 36.6#

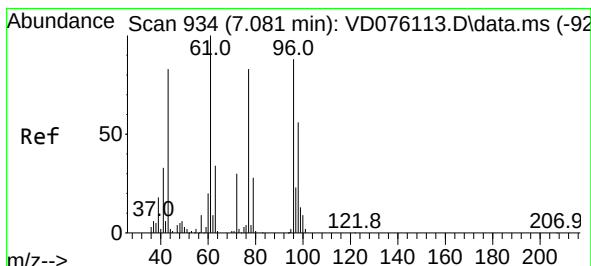
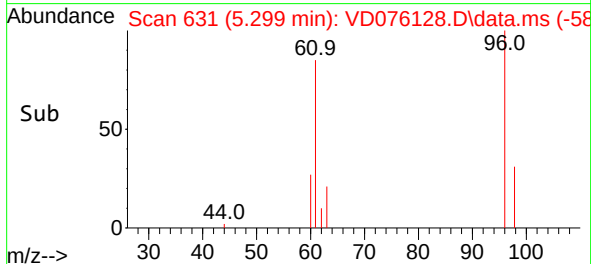
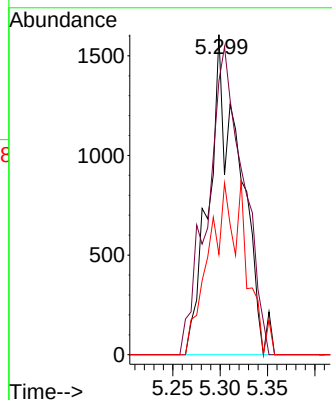
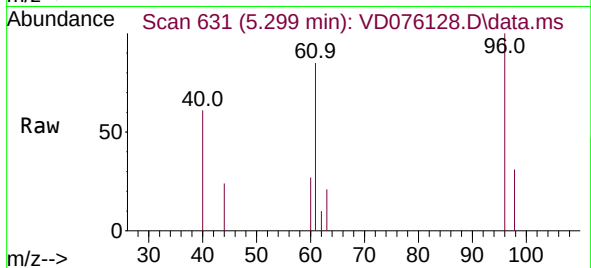




#21
trans-1,2-Dichloroethene
Concen: 1.660 ug/l
RT: 5.299 min Scan# 61
Delta R.T. -0.017 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

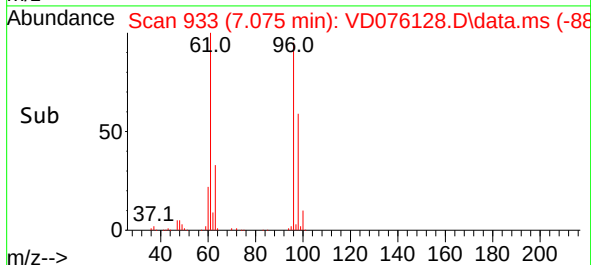
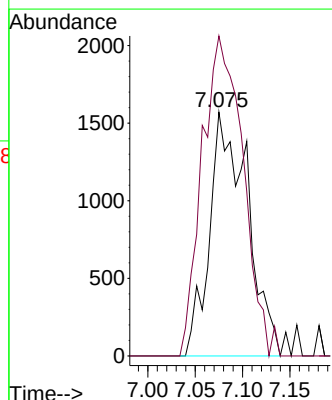
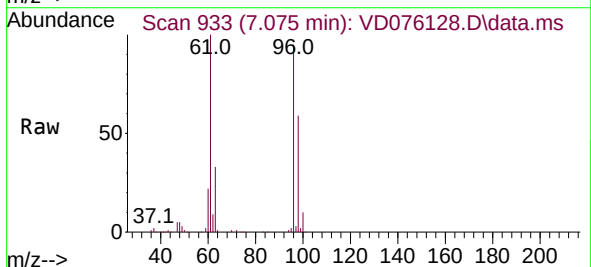
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-8-051623

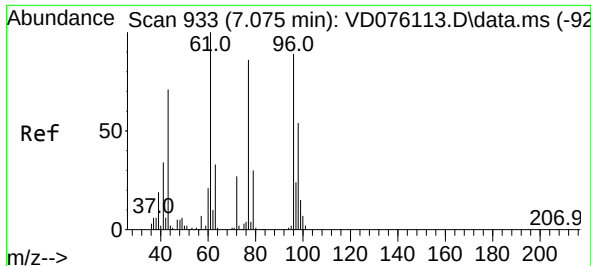
Tgt Ion: 96 Resp: 3666
Ion Ratio Lower Upper
96 100
61 85.5 117.2 175.8#
98 31.4 50.6 76.0#



#25
2-Butanone
Concen: 10.263 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

Tgt Ion: 43 Resp: 4399
Ion Ratio Lower Upper
43 100
72 131.3 19.8 29.8#

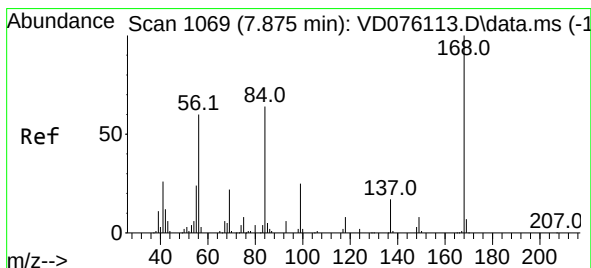
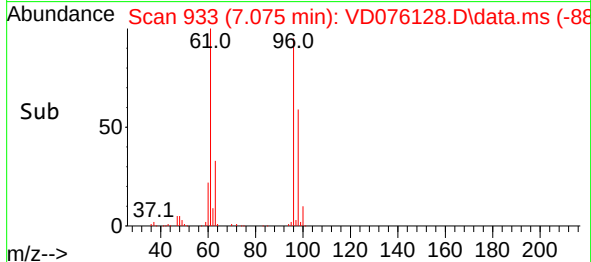
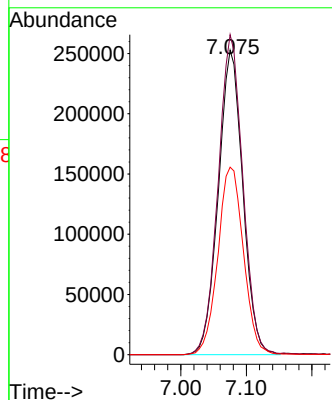
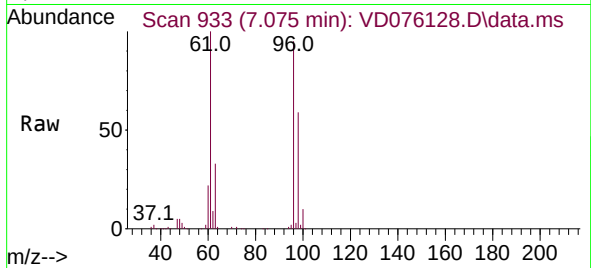




#27
 cis-1,2-Dichloroethene
 Concen: 267.371 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD076128.D
 Acq: 17 May 2023 17:44

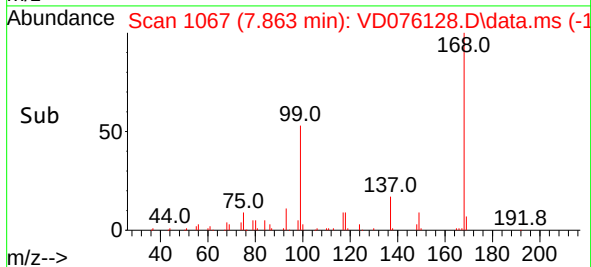
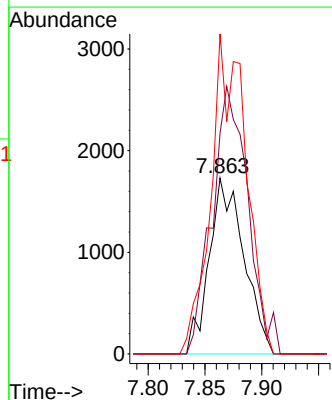
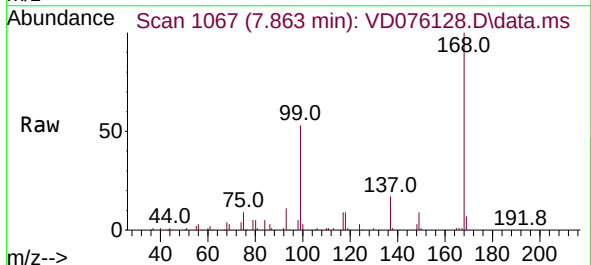
Instrument :
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 ClientSampleId :
 CB-22-K2-SO-8-051623

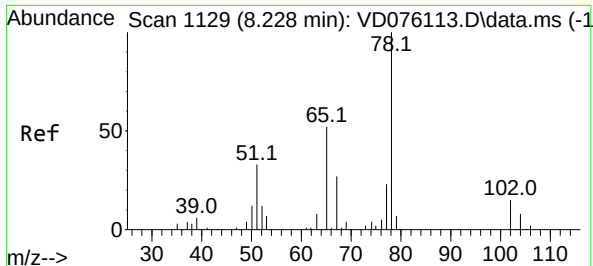
Tgt Ion: 96 Resp: 655153
 Ion Ratio Lower Upper
 96 100
 61 106.2 0.0 295.2
 98 64.5 0.0 129.2



#31
 Cyclohexane
 Concen: 1.400 ug/l
 RT: 7.863 min Scan# 1067
 Delta R.T. -0.012 min
 Lab File: VD076128.D
 Acq: 17 May 2023 17:44

Tgt Ion: 56 Resp: 3674
 Ion Ratio Lower Upper
 56 100
 69 125.5 25.5 38.3#
 84 182.0 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 69.577 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076128.D

Acq: 17 May 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

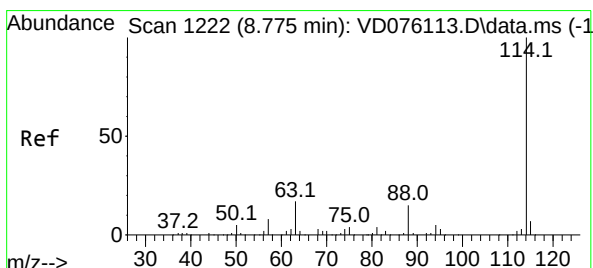
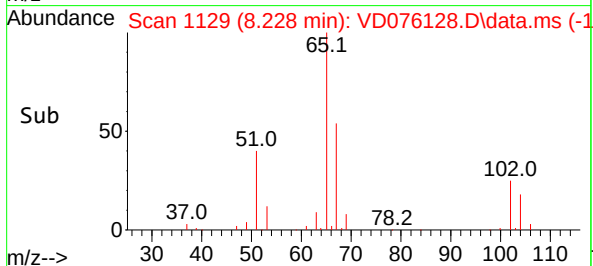
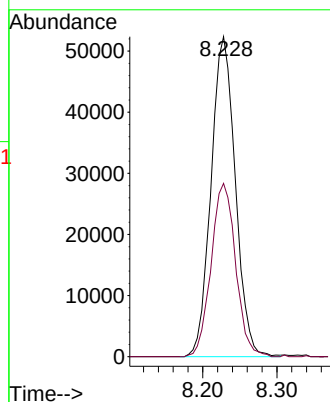
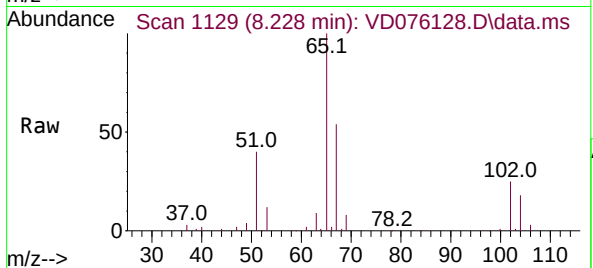
CB-22-K2-SO-8-051623

Tgt Ion: 65 Resp: 119204

Ion Ratio Lower Upper

65 100

67 54.7 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: VD076128.D

Acq: 17 May 2023 17:44

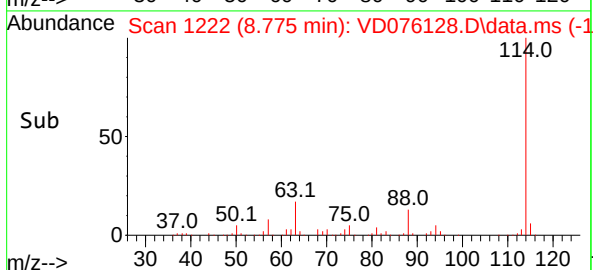
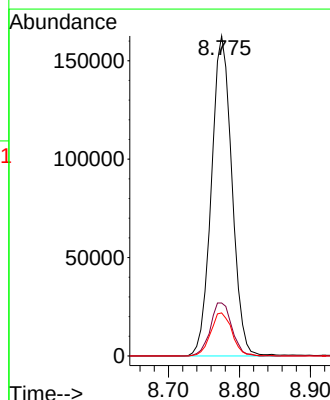
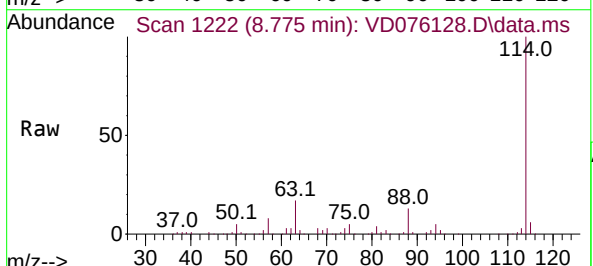
Tgt Ion: 114 Resp: 325874

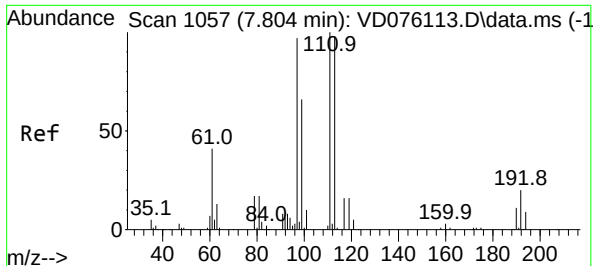
Ion Ratio Lower Upper

114 100

63 16.5 0.0 41.6

88 13.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 62.696 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076128.D

Acq: 17 May 2023 17:44

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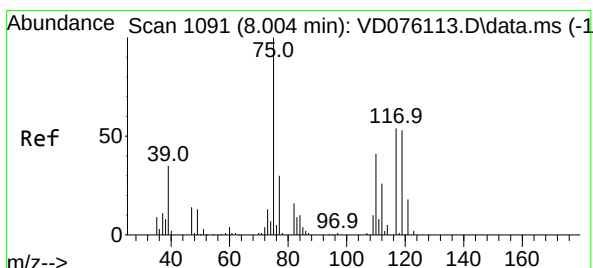
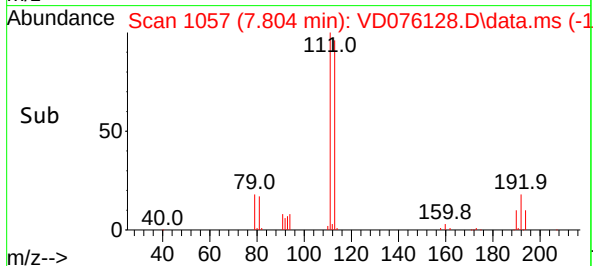
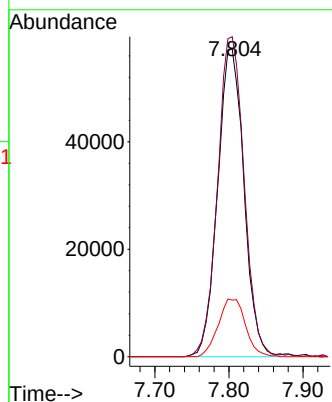
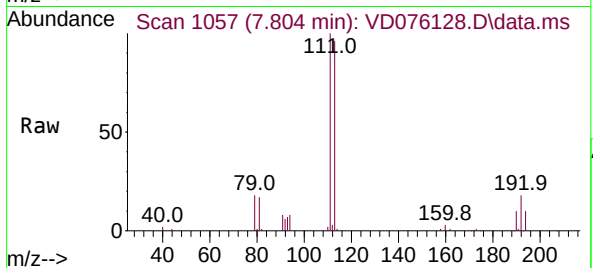
Tgt Ion:113 Resp: 141223

Ion Ratio Lower Upper

113 100

111 105.2 81.4 122.0

192 19.4 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.672 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076128.D

Acq: 17 May 2023 17:44

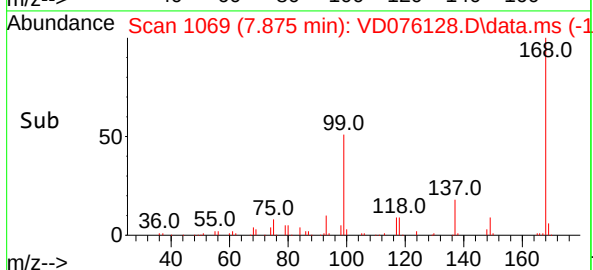
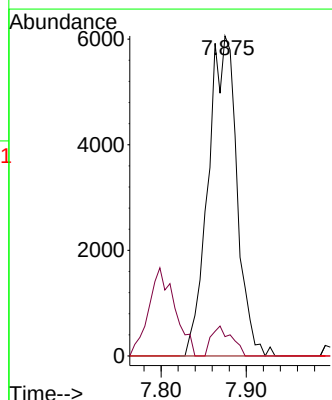
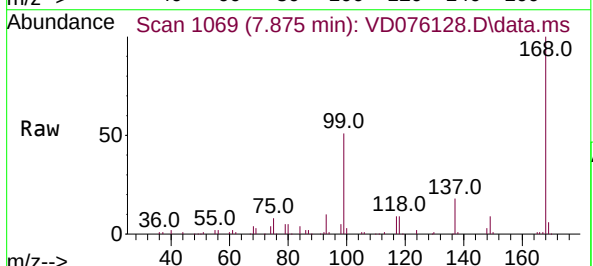
Tgt Ion: 75 Resp: 14212

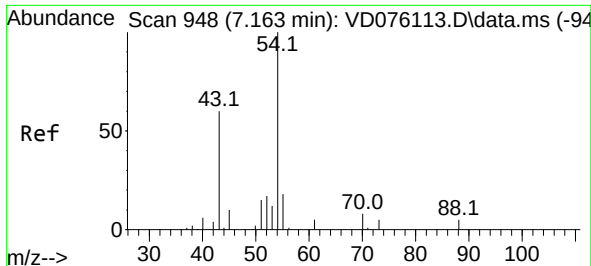
Ion Ratio Lower Upper

75 100

110 6.6 17.1 51.2#

77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 4.176 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD076128.D

Acq: 17 May 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

CB-22-K2-SO-8-051623

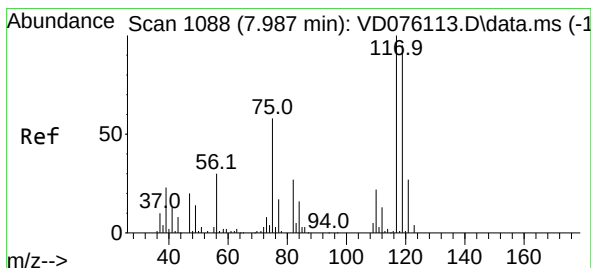
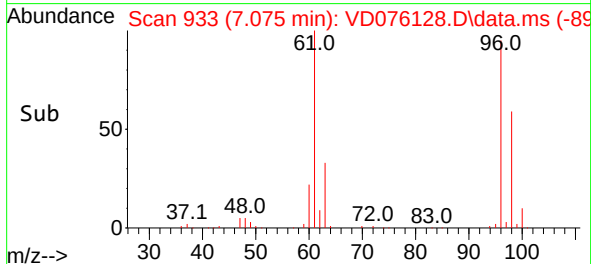
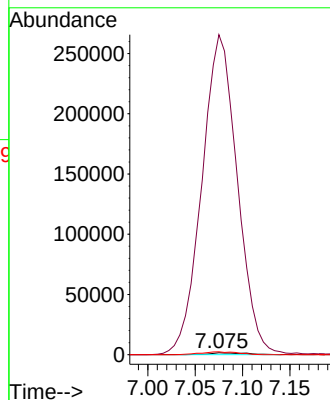
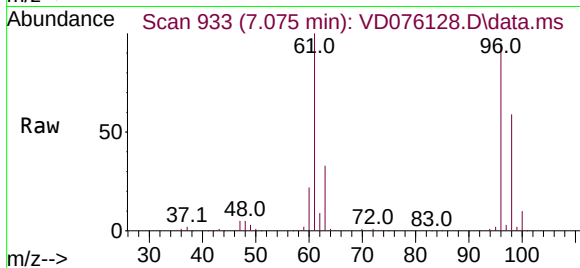
Tgt Ion: 43 Resp: 4399

Ion Ratio Lower Upper

43 100

61 15822.6 0.0 0.0#

70 146.8 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076128.D

Acq: 17 May 2023 17:44

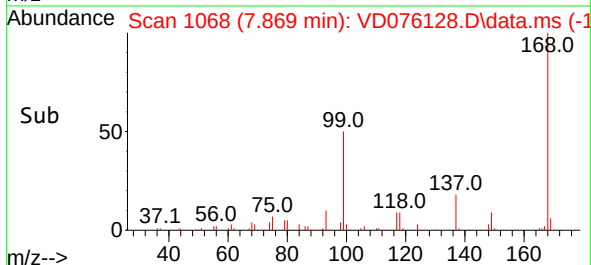
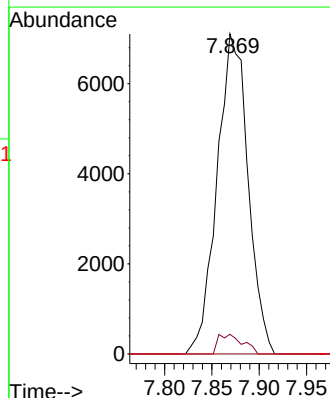
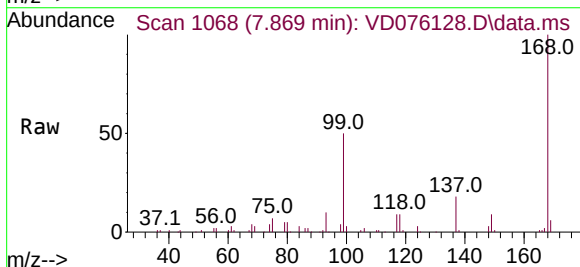
Tgt Ion: 117 Resp: 16154

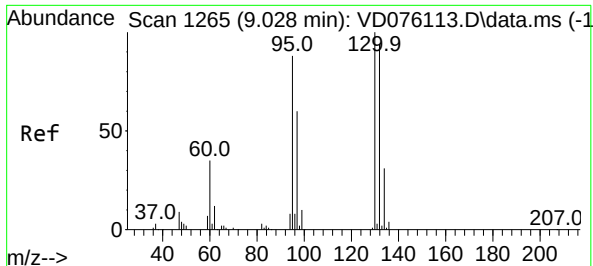
Ion Ratio Lower Upper

117 100

119 6.2 74.7 112.1#

121 0.0 25.9 38.9#

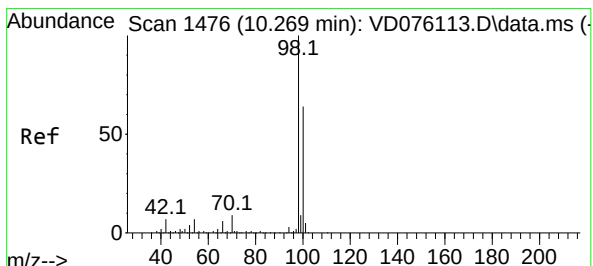
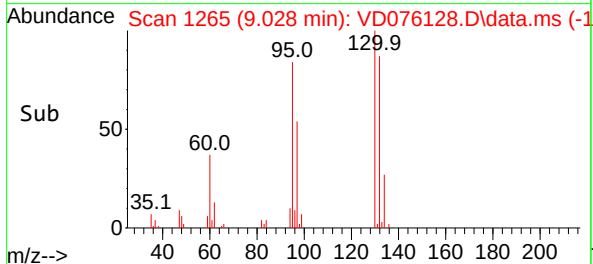
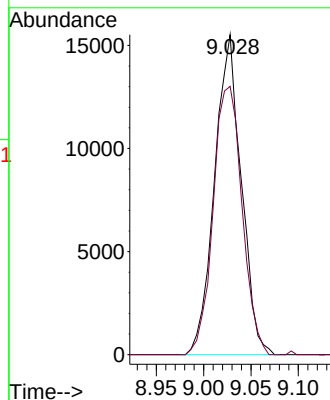
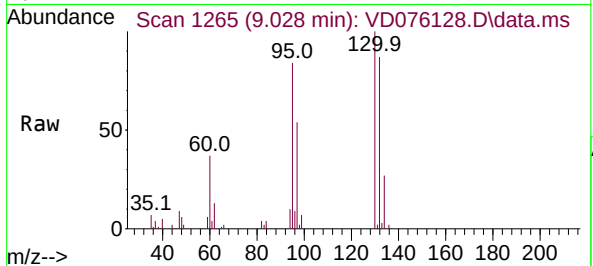




#44
Trichloroethene
Concen: 11.027 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

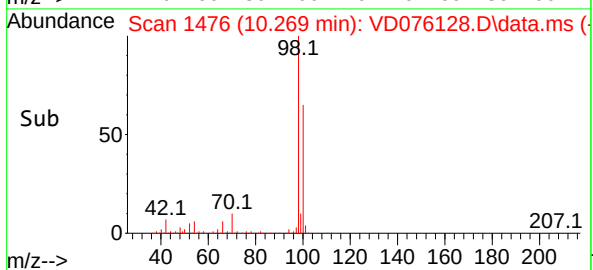
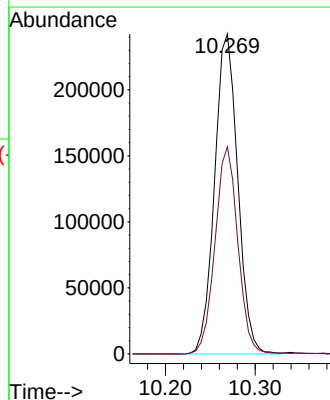
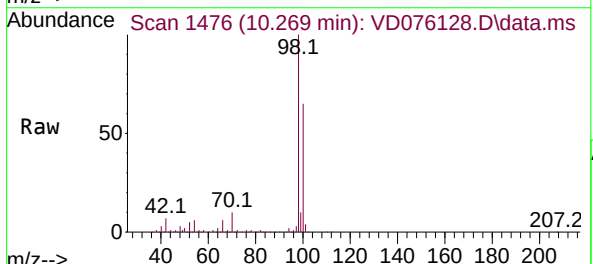
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-8-051623

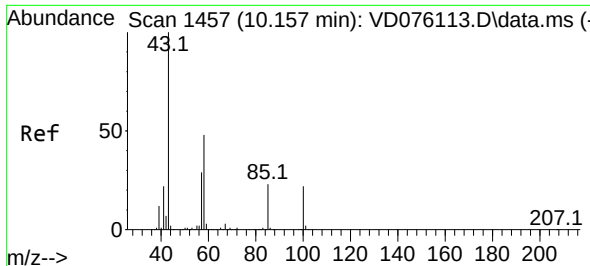
Tgt Ion:130 Resp: 30395
Ion Ratio Lower Upper
130 100
95 83.8 0.0 197.6



#50
Toluene-d8
Concen: 49.474 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

Tgt Ion: 98 Resp: 434419
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1

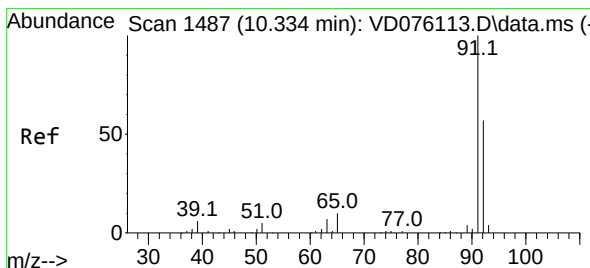
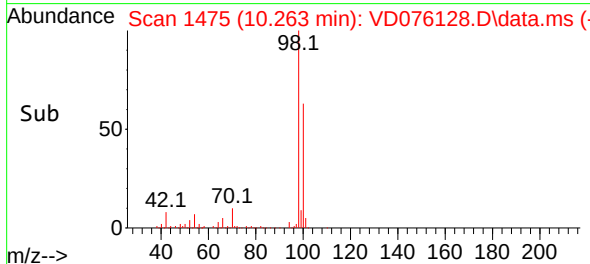
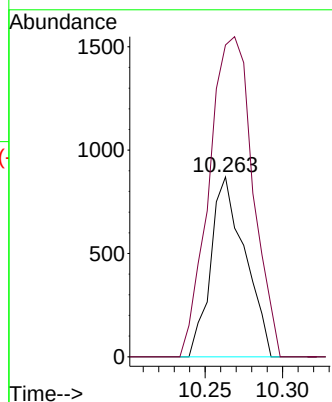
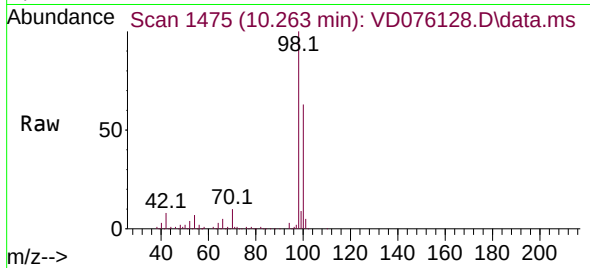




#51
4-Methyl-2-Pentanone
Concen: 1.276 ug/l
RT: 10.263 min Scan# 1457
Delta R.T. 0.106 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

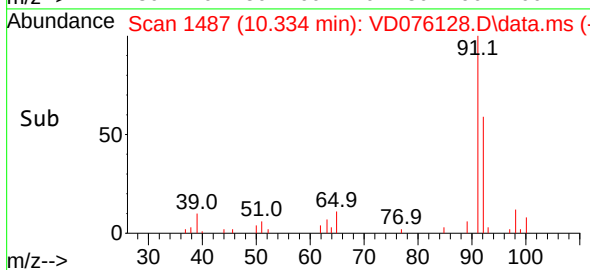
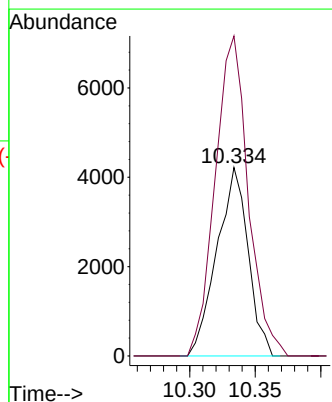
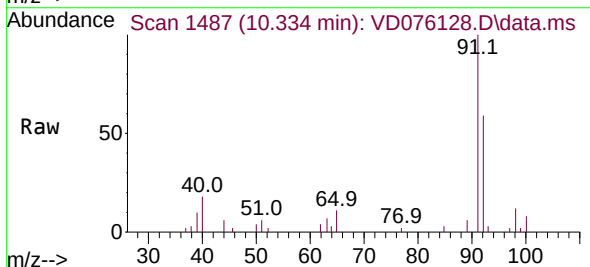
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-8-051623

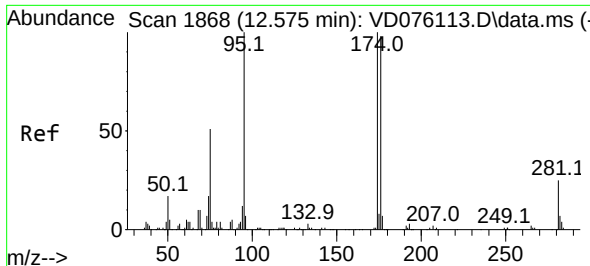
Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
58 227.8 29.5 44.3#



#52
Toluene
Concen: 1.144 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

Tgt Ion: 92 Resp: 6988
Ion Ratio Lower Upper
92 100
91 179.6 136.5 204.7

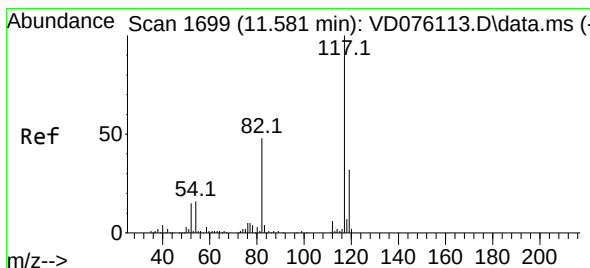
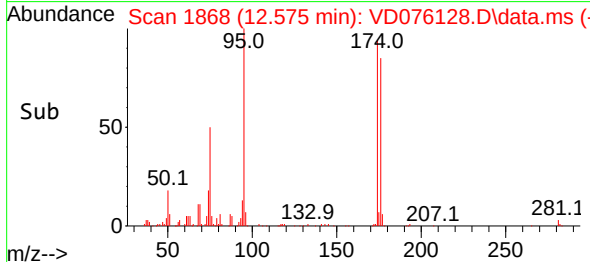
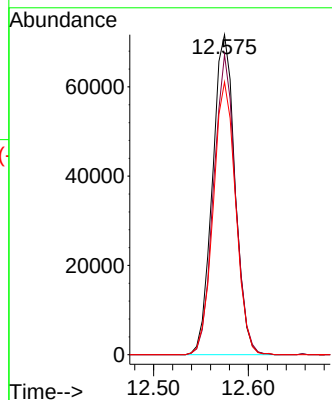
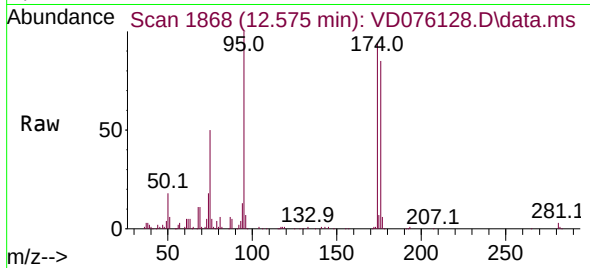




#62
4-Bromofluorobenzene
Concen: 48.487 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

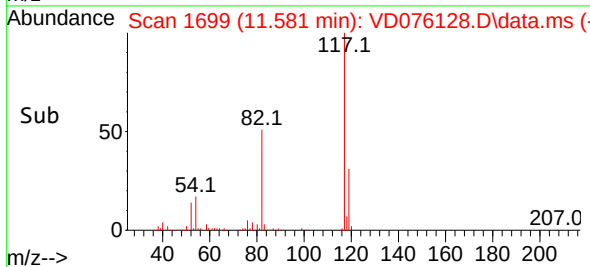
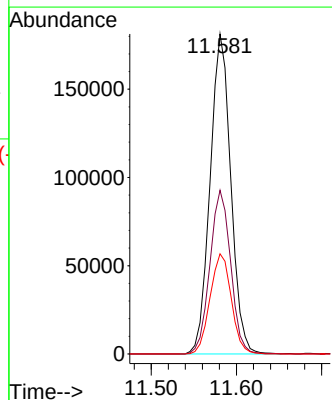
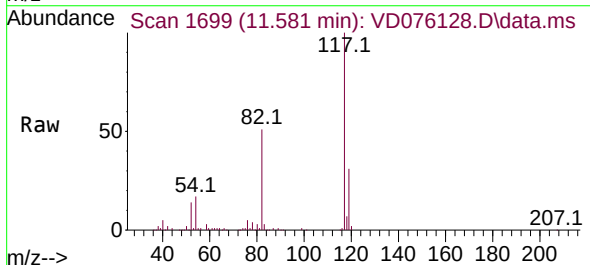
Instrument :
MSVOA_D
ClientSampleId :
CB-22-K2-SO-8-051623

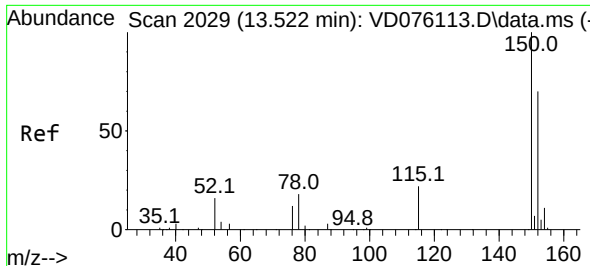
Tgt Ion: 95 Resp: 118268
Ion Ratio Lower Upper
95 100
174 90.7 0.0 164.0
176 85.0 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076128.D
Acq: 17 May 2023 17:44

Tgt Ion: 117 Resp: 305943
Ion Ratio Lower Upper
117 100
82 51.2 44.0 66.0
119 31.3 25.1 37.7

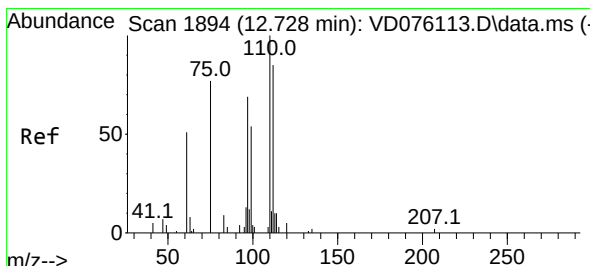
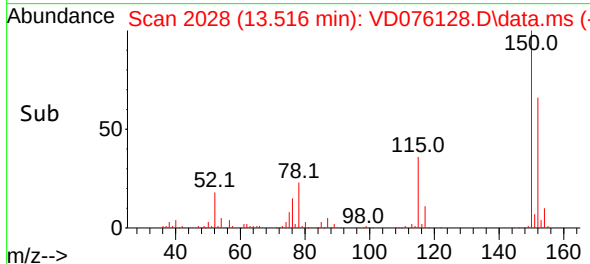
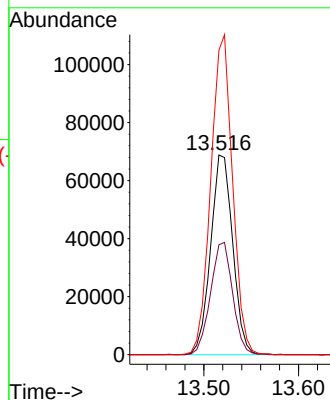
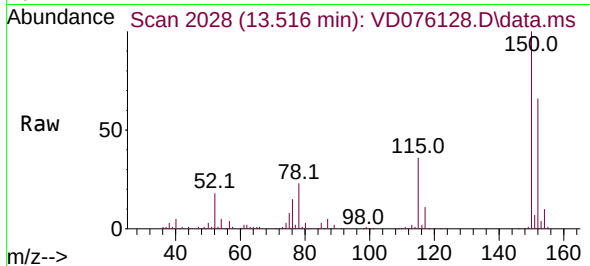




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076128.D
 Acq: 17 May 2023 17:44

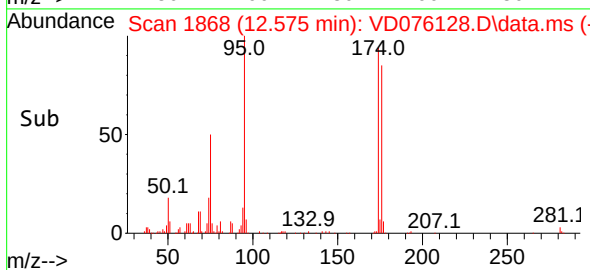
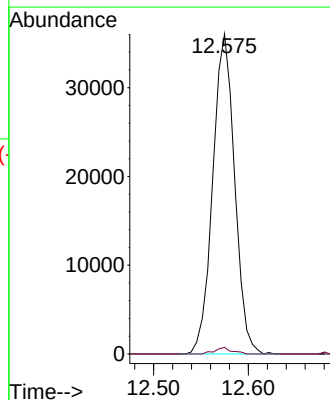
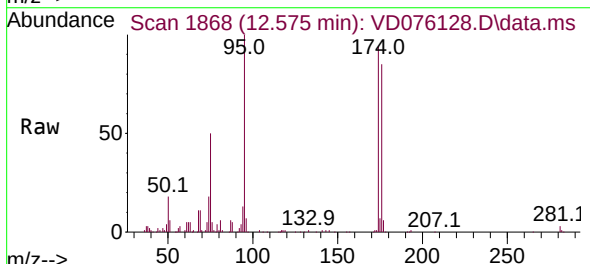
Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-8-051623

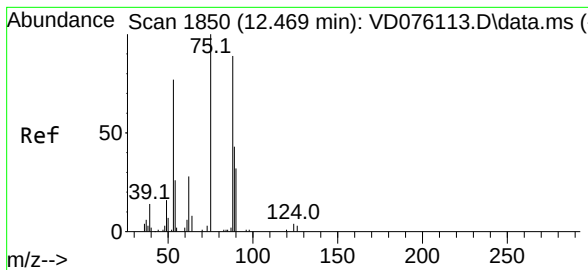
Tgt Ion:152 Resp: 111663
 Ion Ratio Lower Upper
 152 100
 115 56.2 30.1 90.3
 150 157.5 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 59.260 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076128.D
 Acq: 17 May 2023 17:44

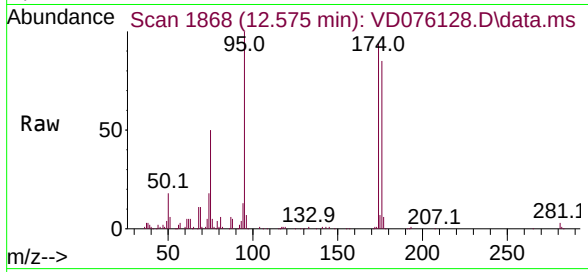
Tgt Ion: 75 Resp: 57906
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.318 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076128.D
 Acq: 17 May 2023 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 CB-22-K2-SO-8-051623



Tgt Ion:	75	Resp:	57906
Ion	Ratio	Lower	Upper
75	100		
53	0.1	90.5	135.7#
89	0.0	40.2	60.4#

