

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076217.D
 Acq On : 24 May 2023 16:39
 Operator : KP/SY
 Sample : 02892-07
 Misc : 5.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-33

Quant Time: May 25 06:02:27 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	427194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	910171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	824142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	377202	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	174842	42.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.700%
35) Dibromofluoromethane	7.799	113	260351	41.383	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.760%
50) Toluene-d8	10.269	98	766349	31.248	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	62.500%
62) 4-Bromofluorobenzene	12.575	95	301626	44.274	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.540%

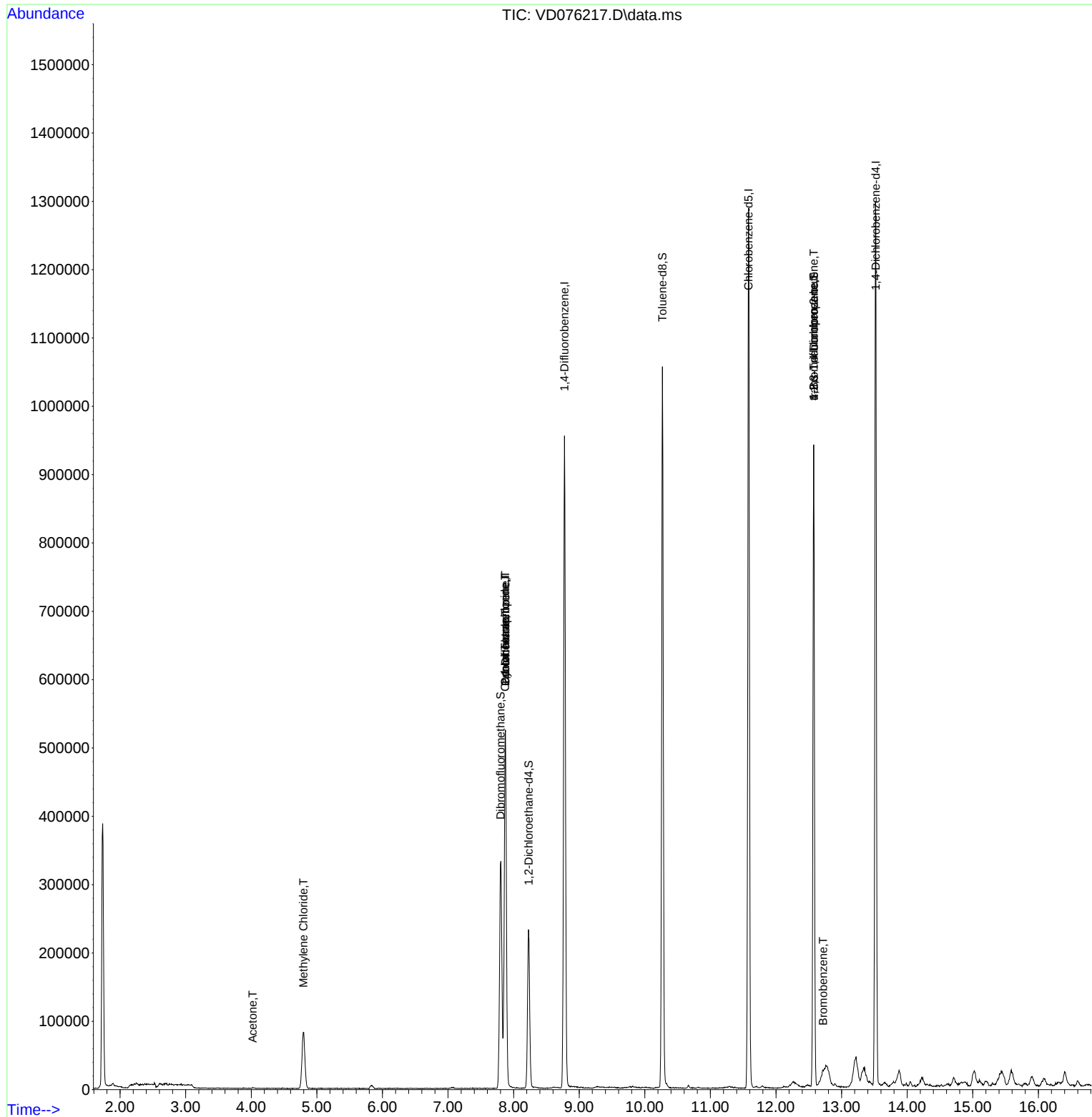
Target Compounds					Qvalue	
3) Chloromethane	2.134	50	812	Below Cal	#	40
16) Acetone	4.022	43	1374	1.673	ug/l #	38
17) Carbon Disulfide	4.264	76	113	Below Cal	#	73
20) Methylene Chloride	4.793	84	73450	2.943	ug/l #	75
31) Cyclohexane	7.875	56	8364	1.323	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	31760	3.738	ug/l #	48
38) Carbon Tetrachloride	7.869	117	40187	5.236	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	147641	44.728	ug/l #	100
77) Bromobenzene	12.716	156	19154	2.864	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	147641	93.833	ug/l #	5

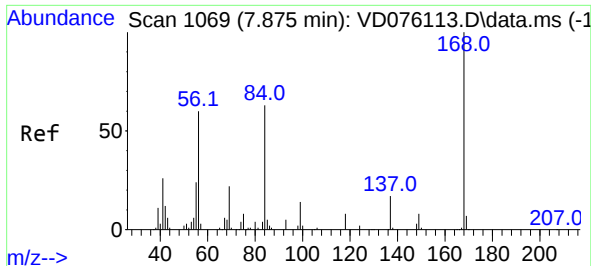
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

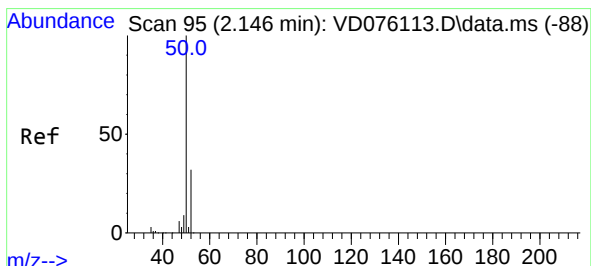
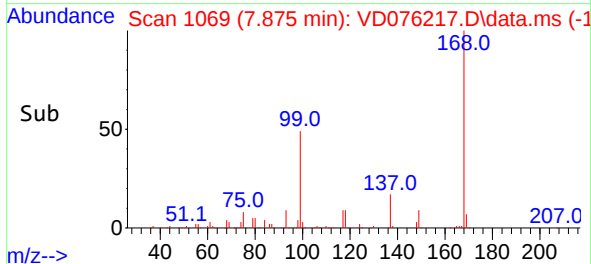
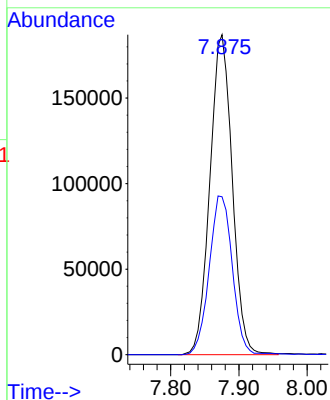
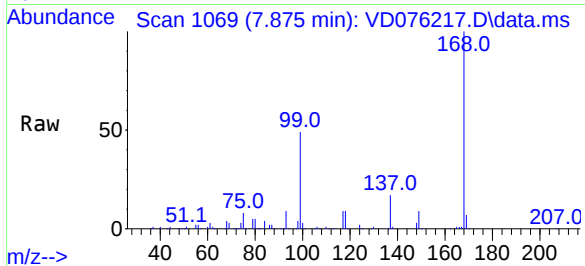




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

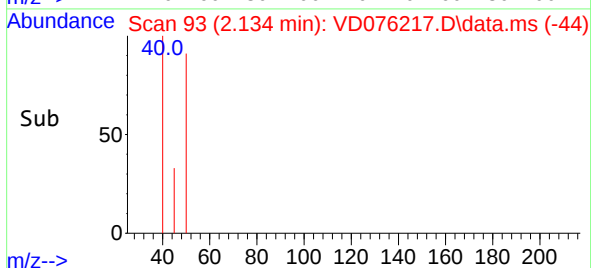
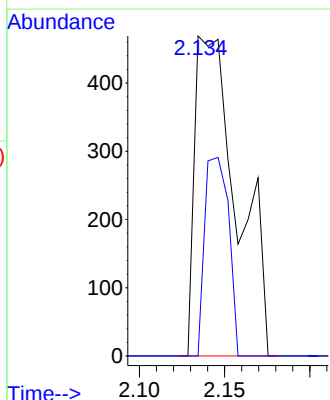
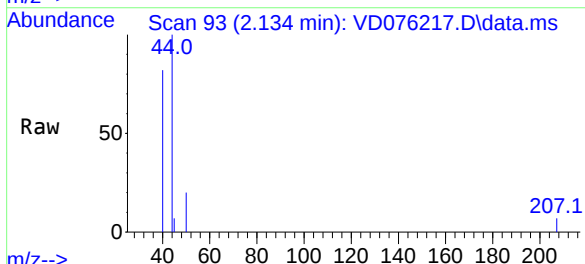
Instrument :
MSVOA_D
ClientSampleId :
TP-33

Tgt Ion:168 Resp: 427194
Ion Ratio Lower Upper
168 100
99 49.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.134 min Scan# 93
Delta R.T. -0.012 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 50 Resp: 812
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#





#16

Acetone

Concen: 1.673 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD076217.D

Acq: 24 May 2023 16:39

Instrument :

MSVOA_D

ClientSampleId :

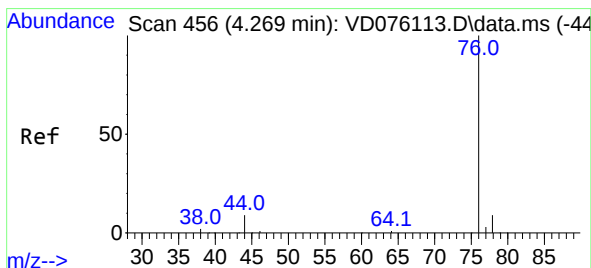
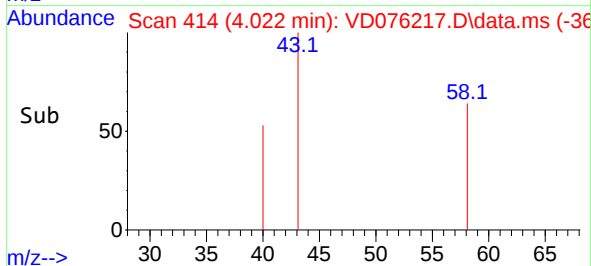
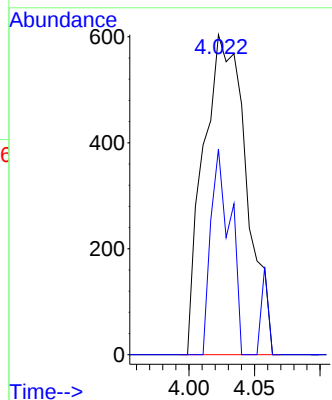
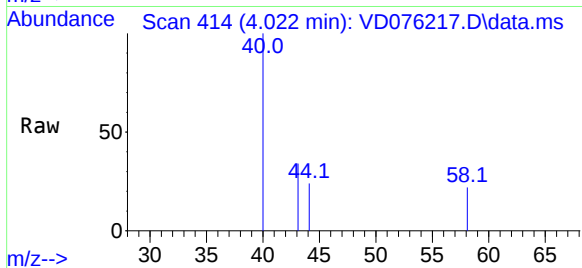
TP-33

Tgt Ion: 43 Resp: 1374

Ion Ratio Lower Upper

43 100

58 64.2 24.4 36.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.264 min Scan# 455

Delta R.T. -0.005 min

Lab File: VD076217.D

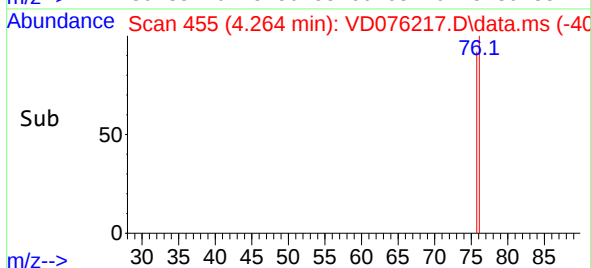
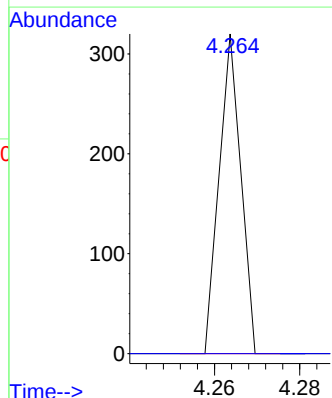
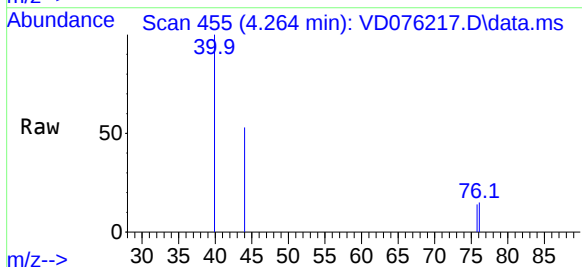
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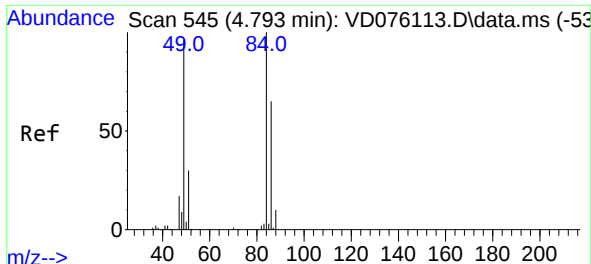
Tgt Ion: 76 Resp: 113

Ion Ratio Lower Upper

76 100

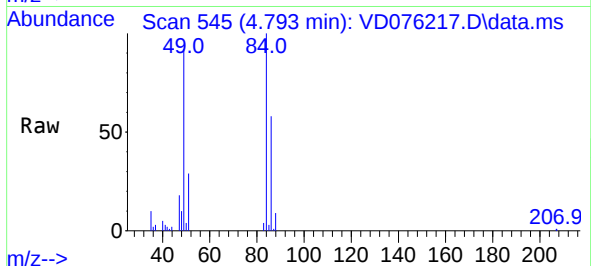
78 0.0 8.0 12.0#





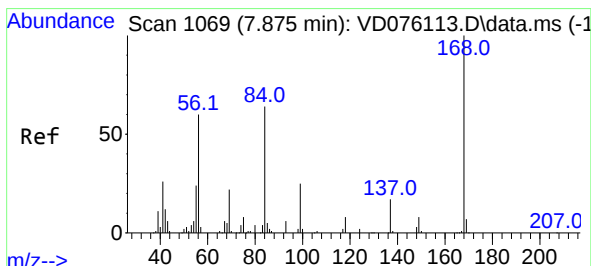
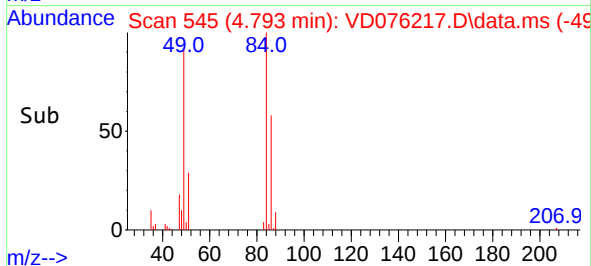
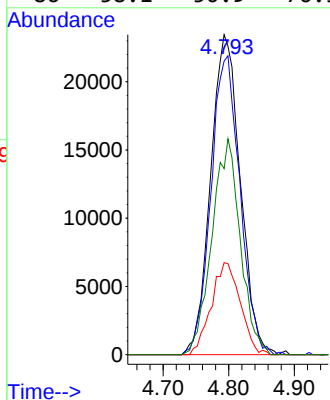
#20
Methylene Chloride
Concen: 2.943 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Instrument :
MSVOA_D
ClientSampleId :
TP-33



Tgt Ion: 84 Resp: 73450

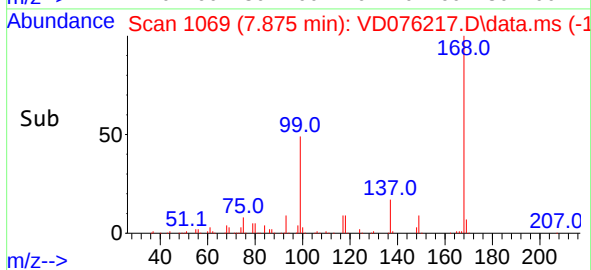
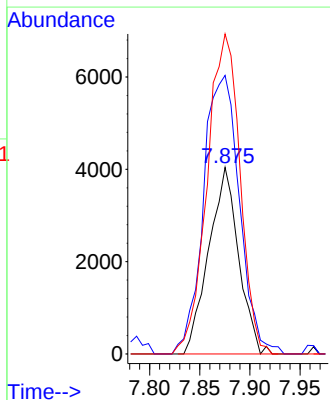
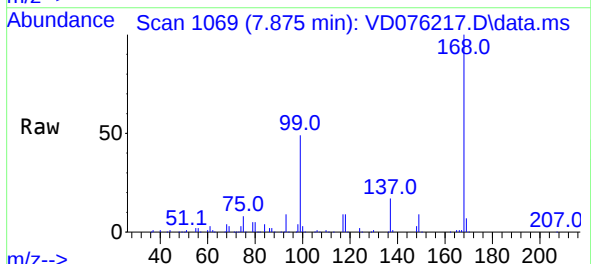
Ion	Ratio	Lower	Upper
84	100		
49	91.7	106.4	159.6#
51	28.8	32.4	48.6#
86	58.1	50.9	76.3

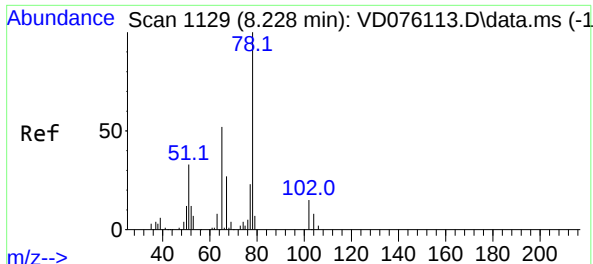


#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 56 Resp: 8364

Ion	Ratio	Lower	Upper
56	100		
69	145.5	25.5	38.3#
84	171.6	69.6	104.4#

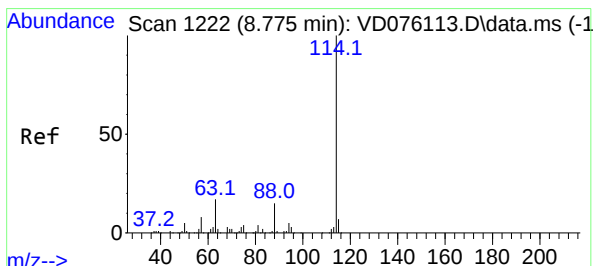
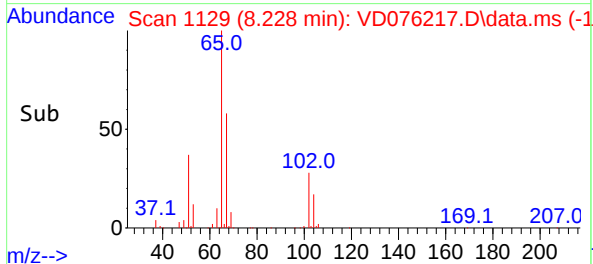
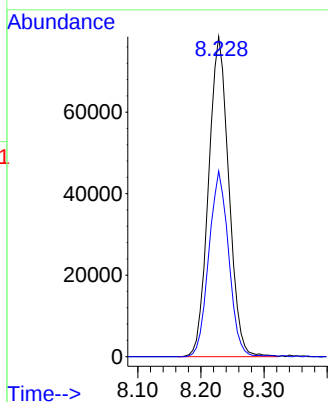
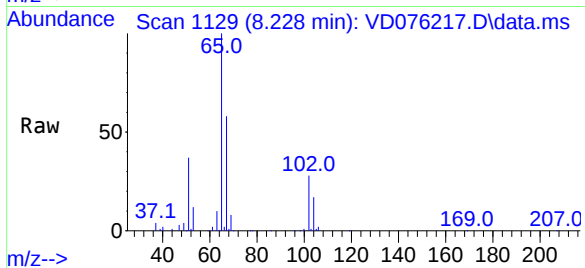




#33
1,2-Dichloroethane-d4
Concen: 42.348 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

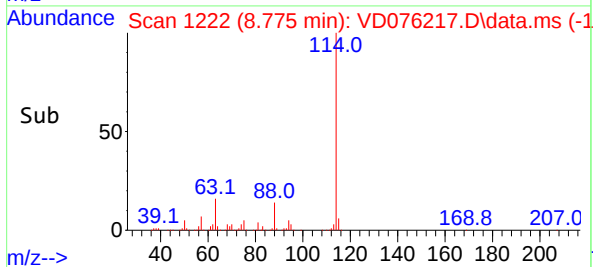
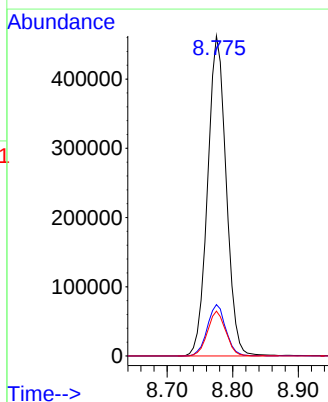
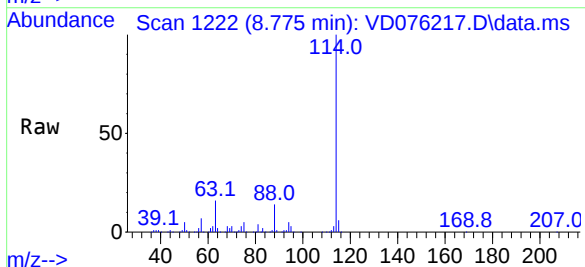
Instrument :
MSVOA_D
ClientSampleId :
TP-33

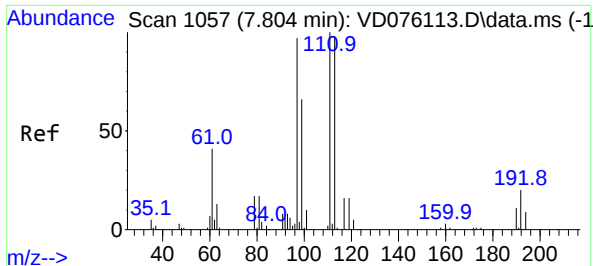
Tgt Ion: 65 Resp: 174842
Ion Ratio Lower Upper
65 100
67 57.0 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion:114 Resp: 910171
Ion Ratio Lower Upper
114 100
63 16.0 0.0 41.6
88 14.0 0.0 30.6

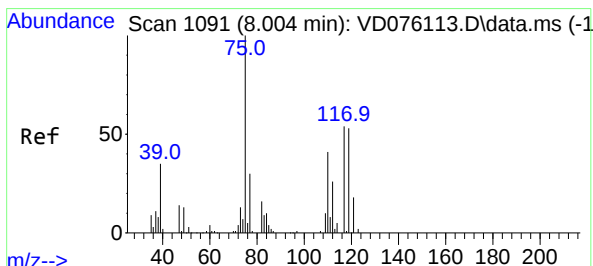
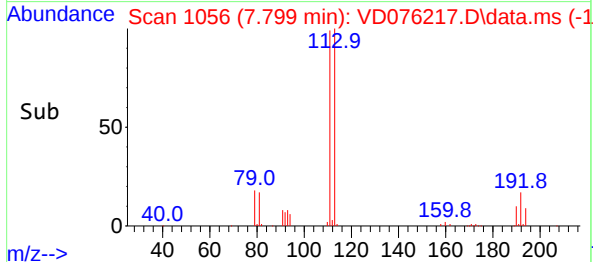
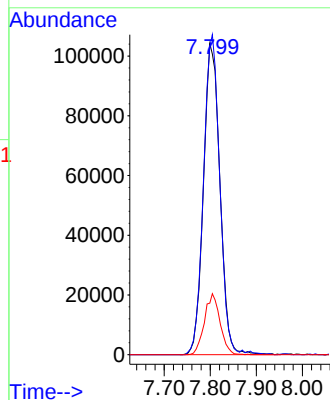
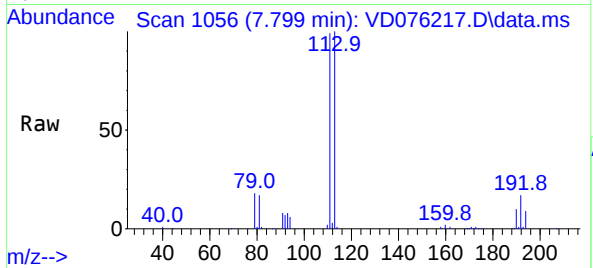




#35
Dibromofluoromethane
Concen: 41.383 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

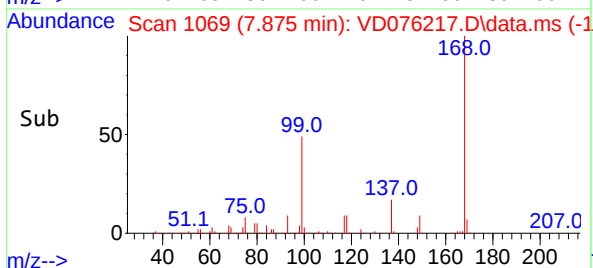
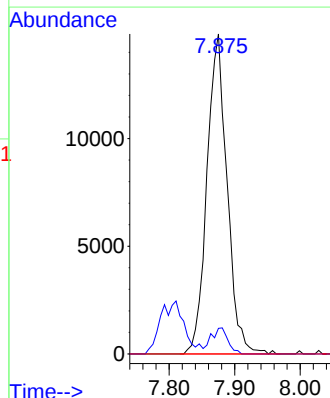
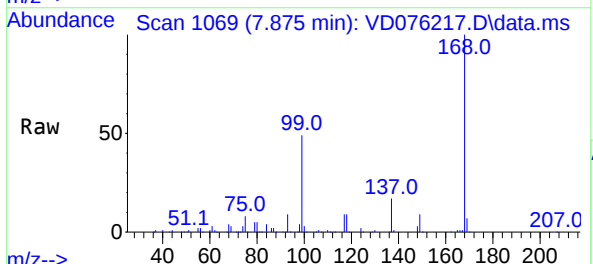
Instrument :
MSVOA_D
ClientSampleId :
TP-33

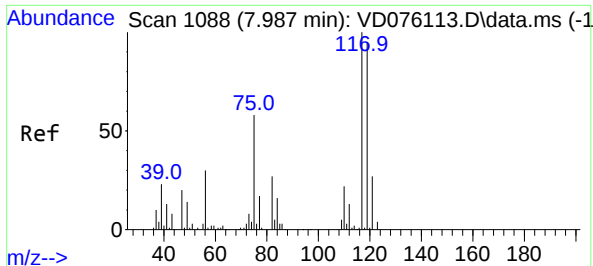
Tgt Ion:113 Resp: 260351
Ion Ratio Lower Upper
113 100
111 100.5 81.4 122.0
192 18.5 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.738 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 75 Resp: 31760
Ion Ratio Lower Upper
75 100
110 6.7 17.1 51.2#
77 0.0 24.6 36.8#

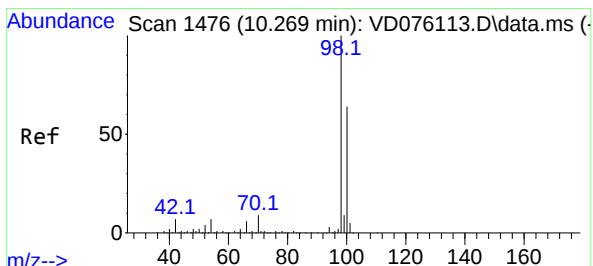
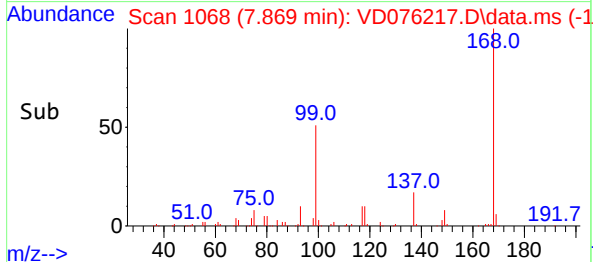
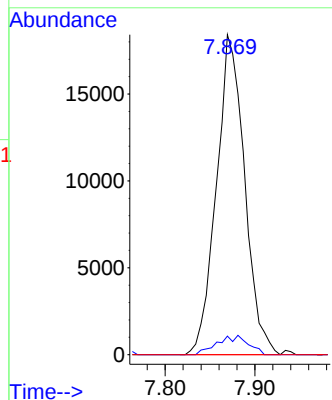
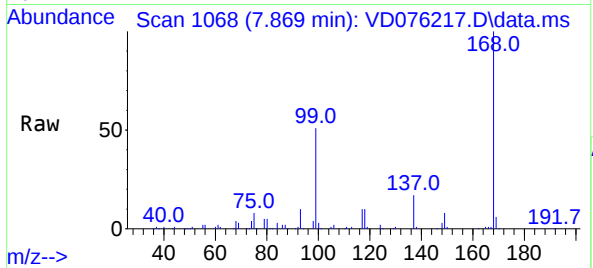




#38
Carbon Tetrachloride
Concen: 5.236 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.124 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

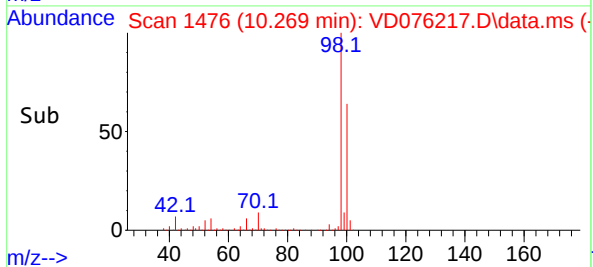
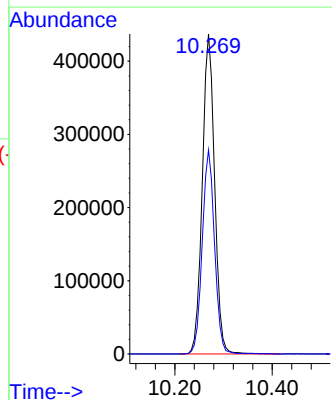
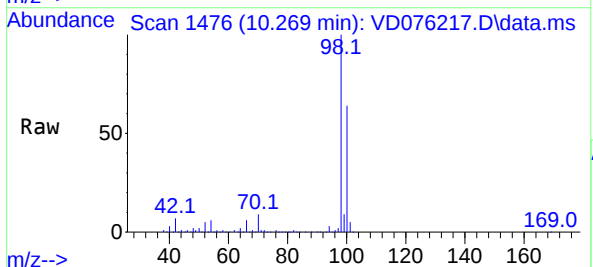
Instrument :
MSVOA_D
ClientSampleId :
TP-33

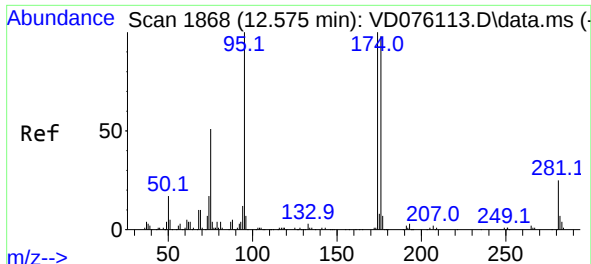
Tgt Ion:117 Resp: 40187
Ion Ratio Lower Upper
117 100
119 5.8 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 31.248 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 98 Resp: 766349
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1

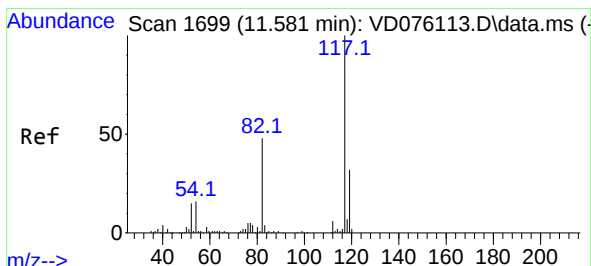
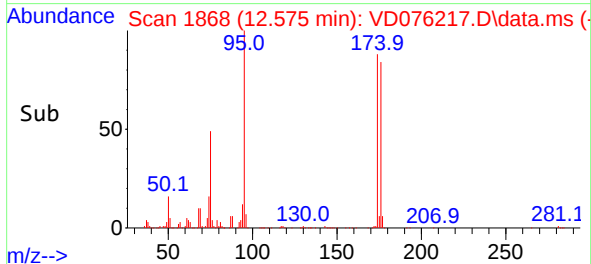
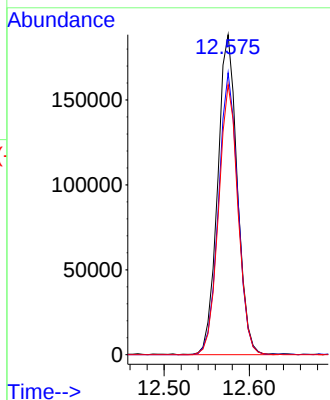
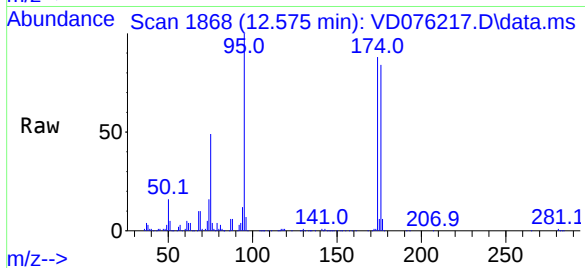




#62
4-Bromofluorobenzene
Concen: 44.274 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

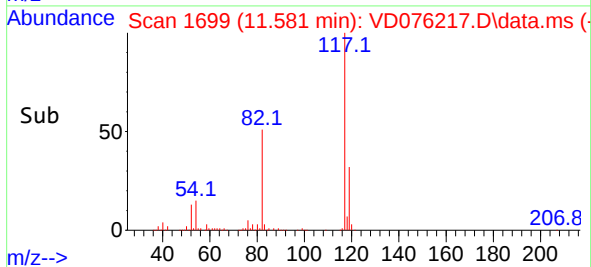
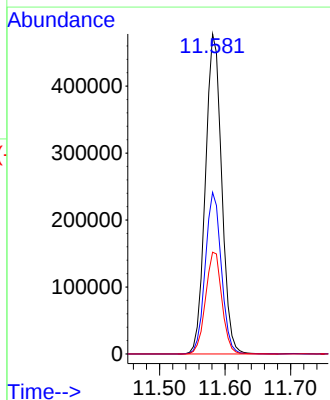
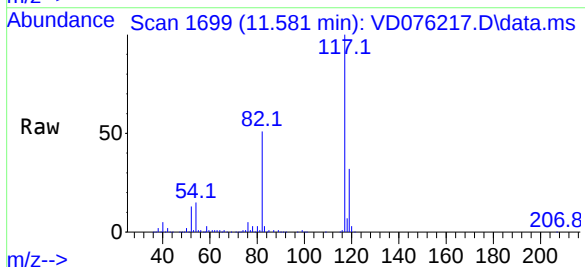
Instrument :
MSVOA_D
ClientSampleId :
TP-33

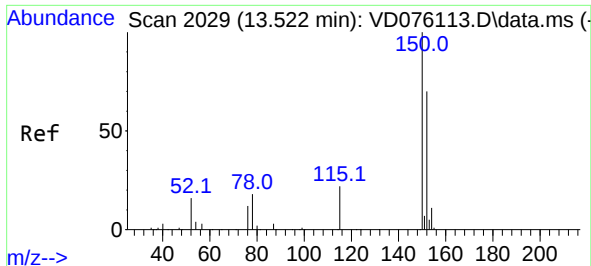
Tgt Ion: 95 Resp: 301626
Ion Ratio Lower Upper
95 100
174 86.8 0.0 164.0
176 83.3 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 117 Resp: 824142
Ion Ratio Lower Upper
117 100
82 50.5 44.0 66.0
119 31.8 25.1 37.7

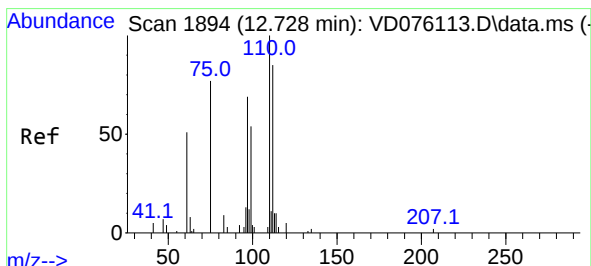
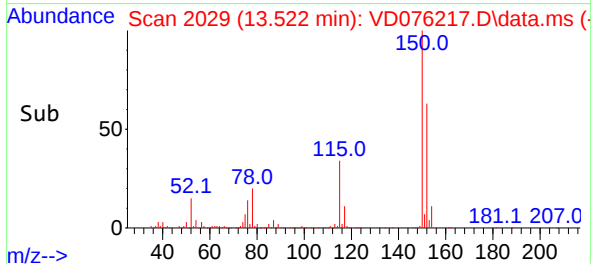
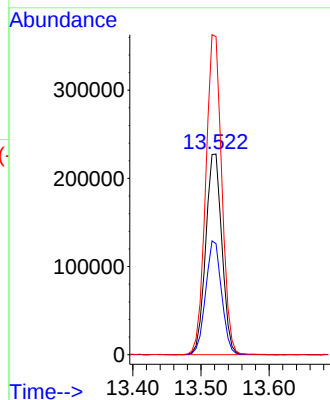
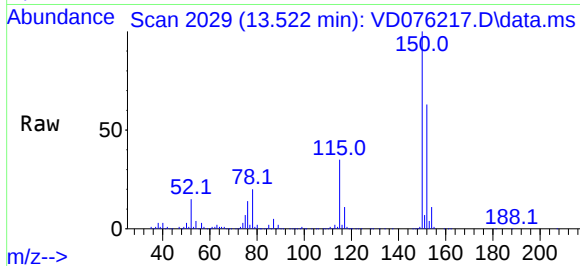




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD076217.D
 Acq: 24 May 2023 16:39

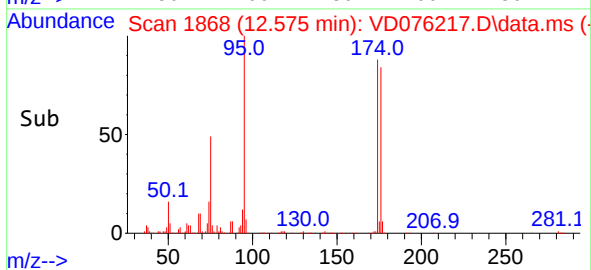
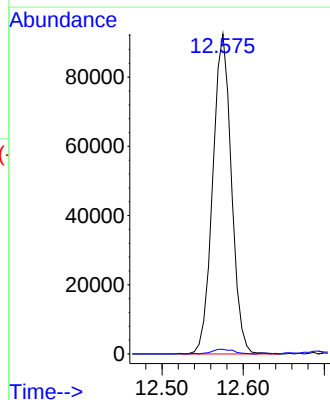
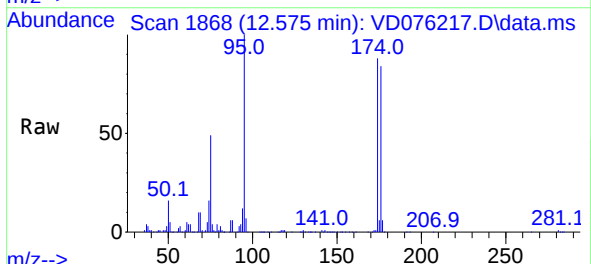
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-33

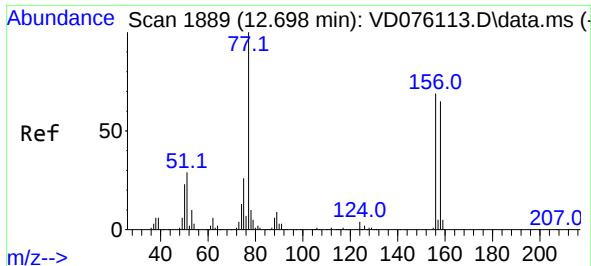
Tgt Ion:152 Resp: 377202
 Ion Ratio Lower Upper
 152 100
 115 55.8 30.1 90.3
 150 157.5 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 44.728 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076217.D
 Acq: 24 May 2023 16:39

Tgt Ion: 75 Resp: 147641
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

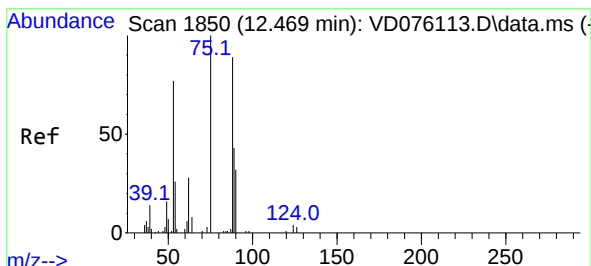
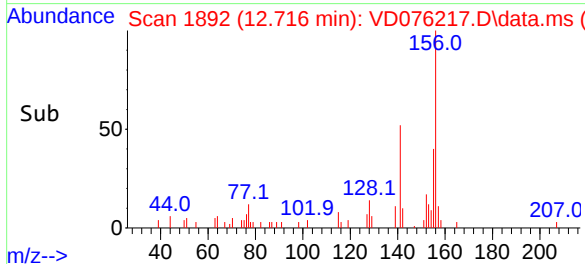
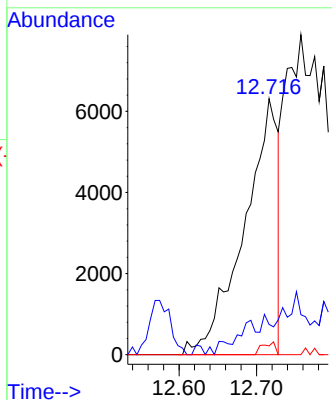
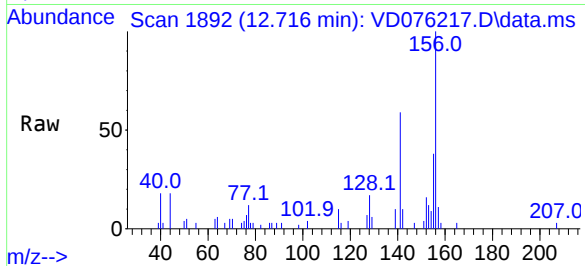




#77
Bromobenzene
Concen: 2.864 ug/l
RT: 12.716 min Scan# 1892
Delta R.T. 0.012 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Instrument :
MSVOA_D
ClientSampleId :
TP-33

Tgt Ion:156 Resp: 19154
Ion Ratio Lower Upper
156 100
77 3.3 89.5 268.6#
158 1.8 47.8 143.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.833 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076217.D
Acq: 24 May 2023 16:39

Tgt Ion: 75 Resp: 147641
Ion Ratio Lower Upper
75 100
53 0.3 90.5 135.7#
89 0.0 40.2 60.4#

