

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022822\
 Data File : VD072126.D
 Acq On : 28 Feb 2022 16:54
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 01 08:13:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	541493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	933409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	902871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	428969	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	255774	45.537	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.080%
35) Dibromofluoromethane	7.914	113	279622	49.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.880%
50) Toluene-d8	10.332	98	1141471	54.428	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.860%
62) 4-Bromofluorobenzene	12.626	95	421340	54.694	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.380%

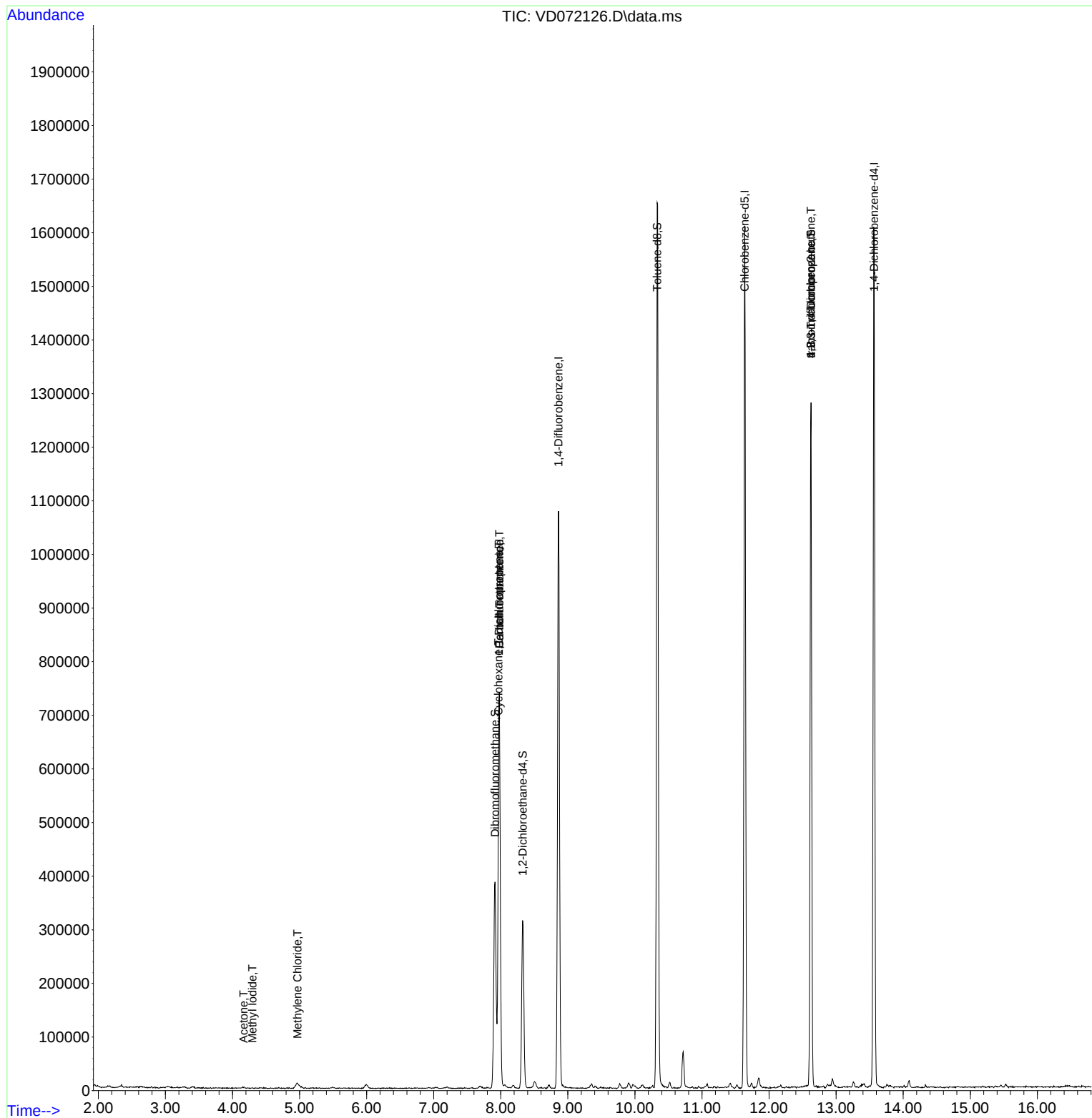
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	819	Below Cal	#	44
10) Methyl Iodide	4.297	142	344	2.977	ug/l #	40
16) Acetone	4.167	43	3376	2.781	ug/l #	88
18) Methyl Acetate	4.532	43	76	Below Cal	#	52
20) Methylene Chloride	4.967	84	6867	1.137	ug/l #	90
31) Cyclohexane	7.967	56	13261	1.337	ug/l #	36
36) 1,1-Dichloropropene	7.973	75	43269	5.051	ug/l #	50
38) Carbon Tetrachloride	7.979	117	55554	6.327	ug/l #	17
76) 1,2,3-Trichloropropane	12.626	75	216948	53.392	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	216948	133.705	ug/l #	10

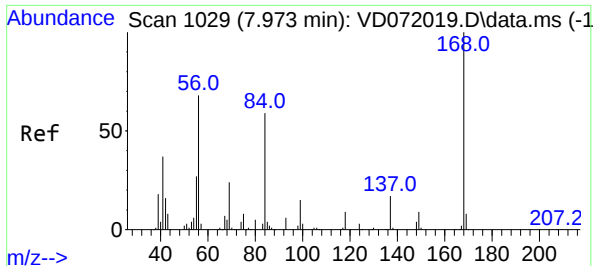
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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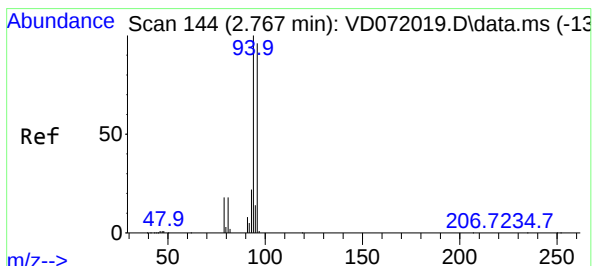
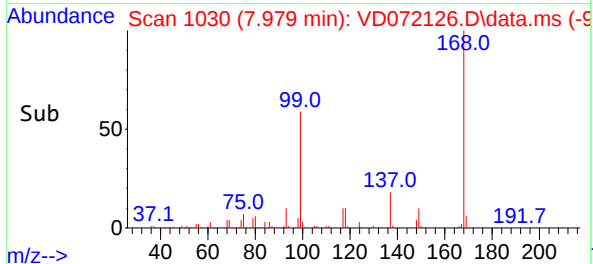
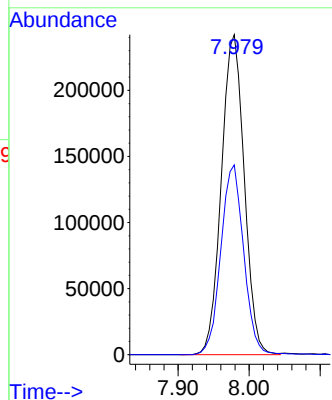
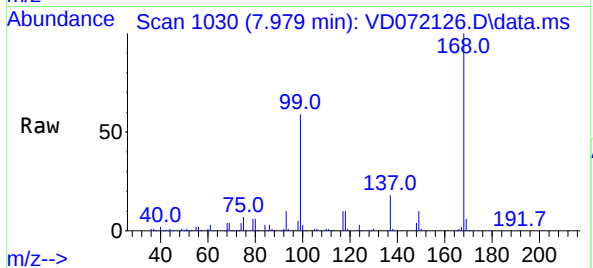




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

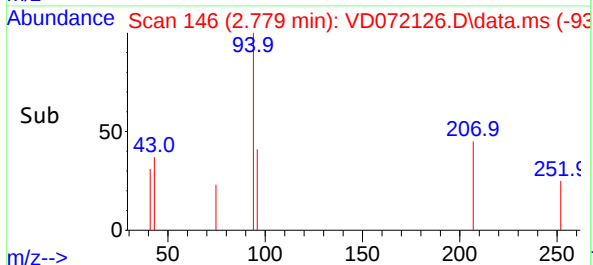
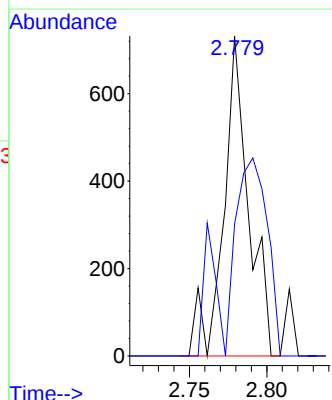
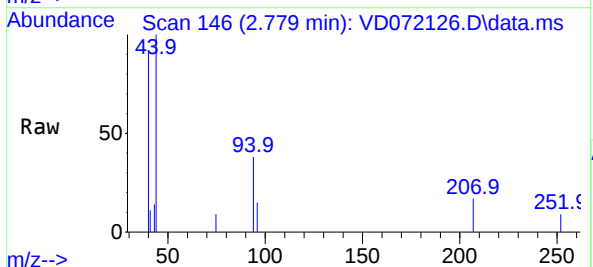
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

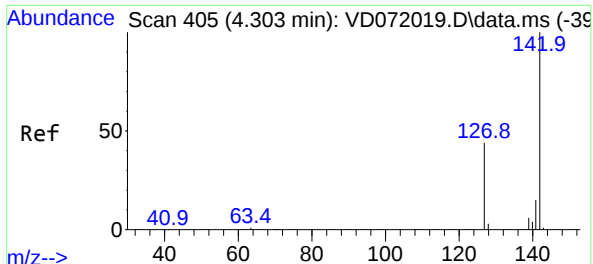
Tgt Ion:168 Resp: 541493
Ion Ratio Lower Upper
168 100
99 59.3 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion: 94 Resp: 819
Ion Ratio Lower Upper
94 100
96 41.3 76.8 115.2#

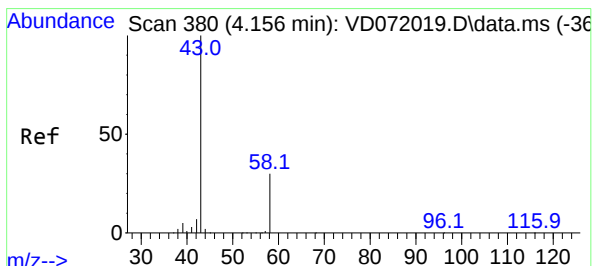
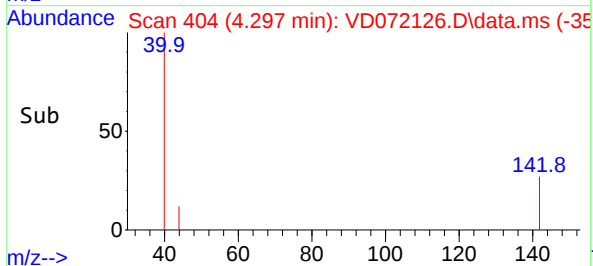
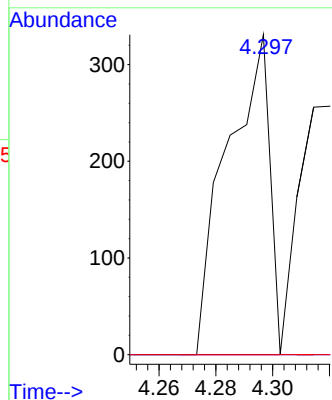
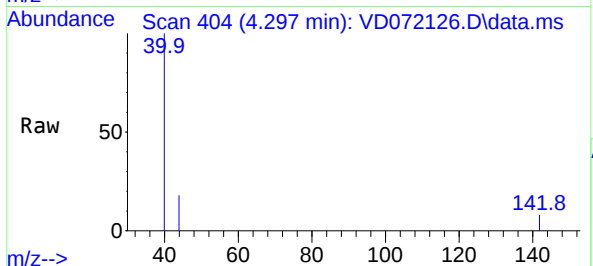




#10
Methyl Iodide
Concen: 2.977 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

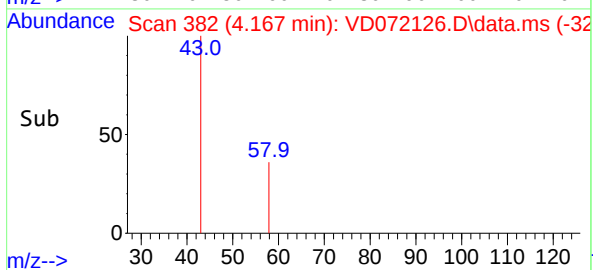
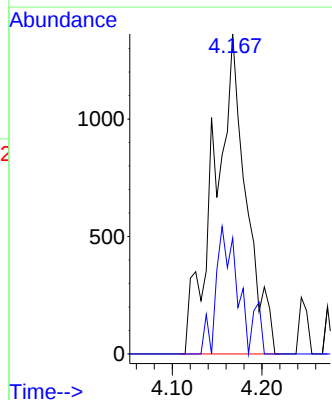
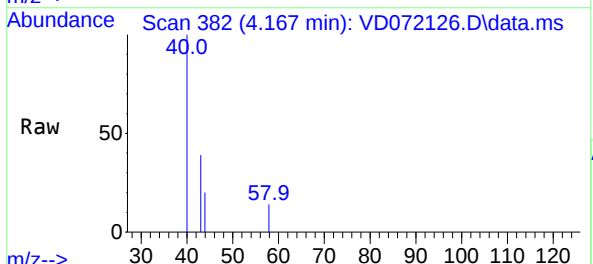
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

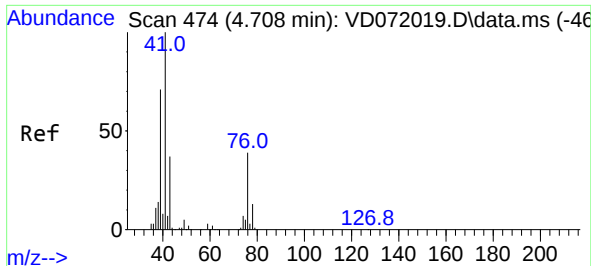
Tgt Ion:142 Resp: 344
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.8#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 2.781 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion: 43 Resp: 3376
Ion Ratio Lower Upper
43 100
58 36.3 23.8 35.6#

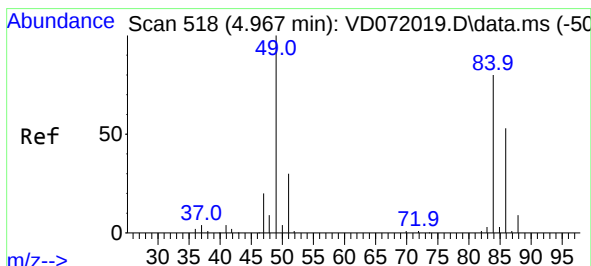
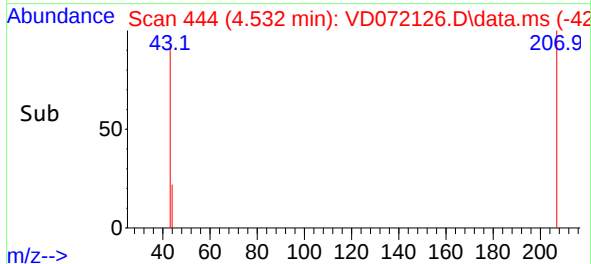
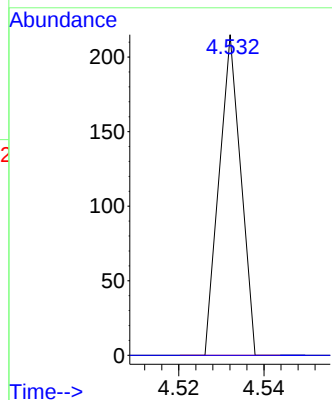
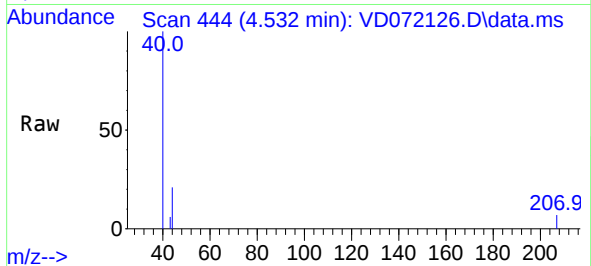




#18
Methyl Acetate
Concen: Below Cal
RT: 4.532 min Scan# 444
Delta R.T. -0.176 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

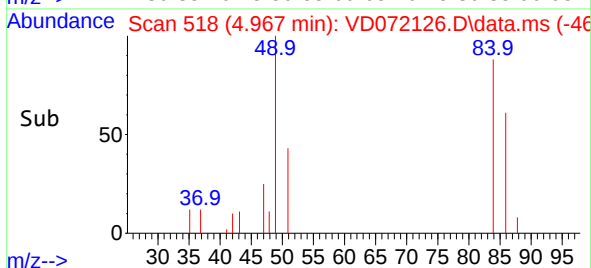
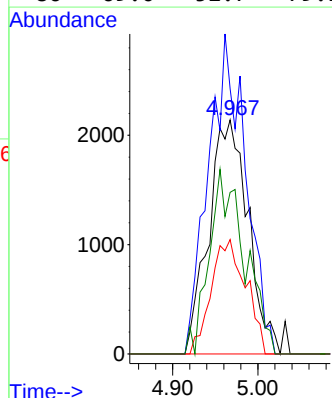
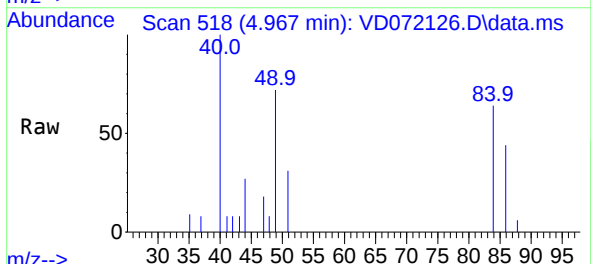
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

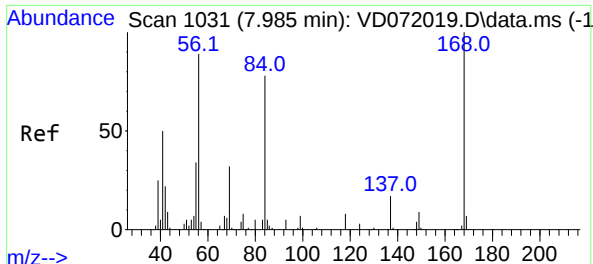
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: 1.137 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion: 84 Resp: 6867
Ion Ratio Lower Upper
84 100
49 113.4 100.0 150.0
51 48.9 30.2 45.4#
86 69.0 52.7 79.1

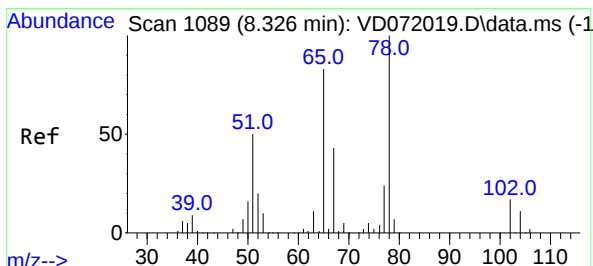
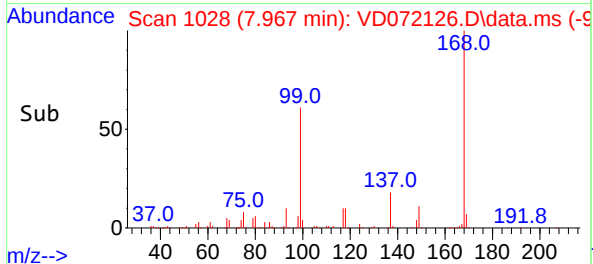
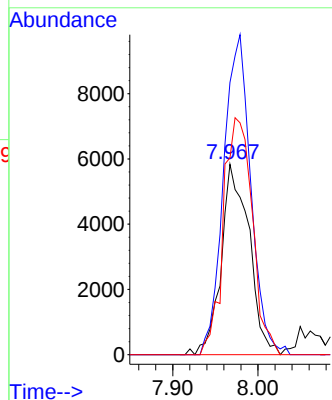
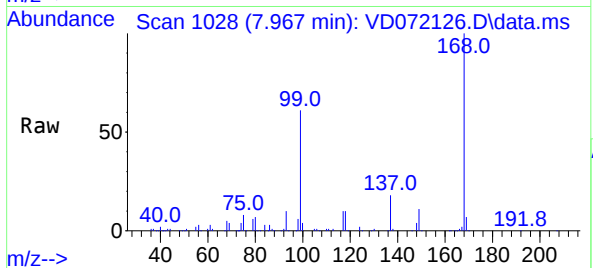




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

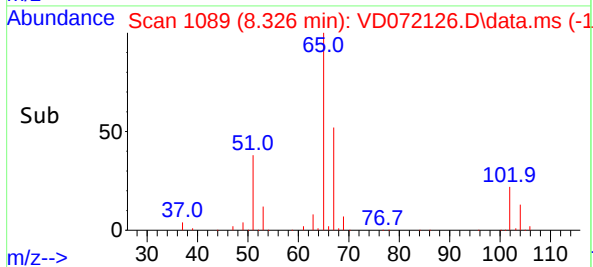
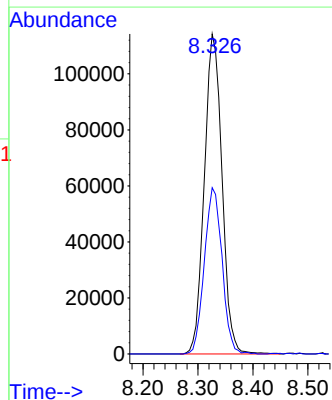
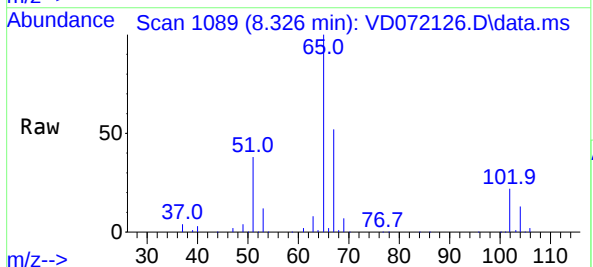
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

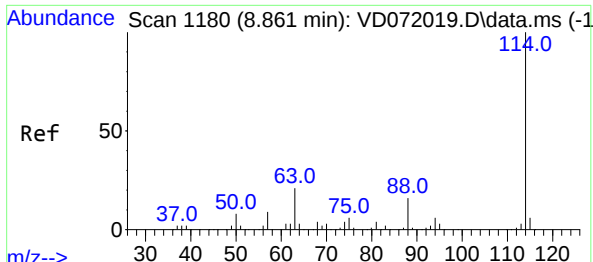
Tgt Ion: 56 Resp: 13261
Ion Ratio Lower Upper
56 100
69 143.0 28.9 43.3#
84 103.4 70.6 105.8



#33
1,2-Dichloroethane-d4
Concen: 45.537 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion: 65 Resp: 255774
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.6

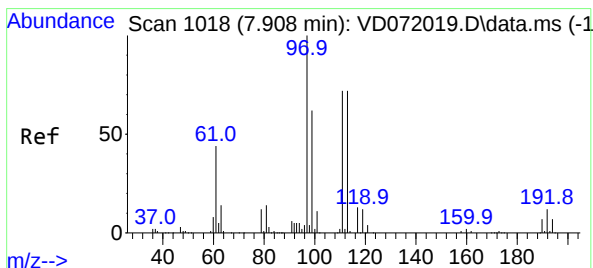
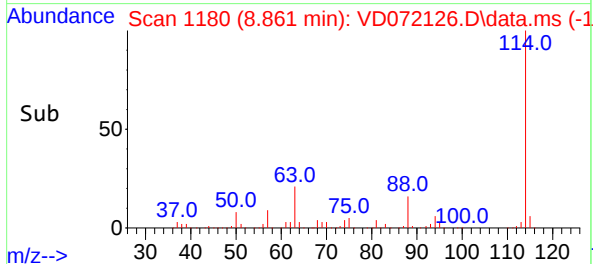
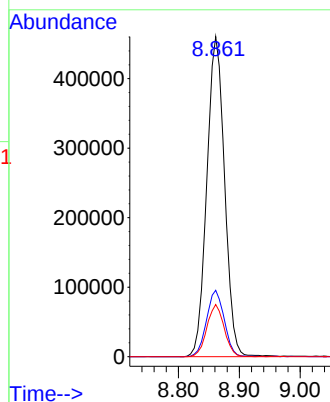
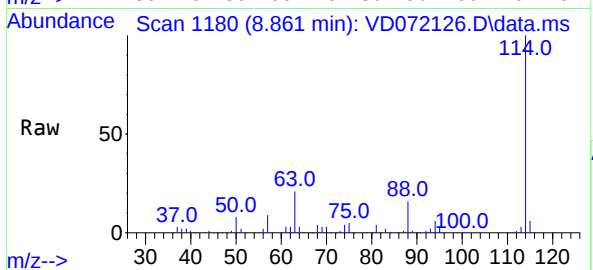




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

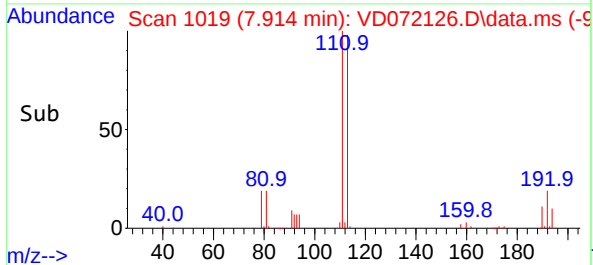
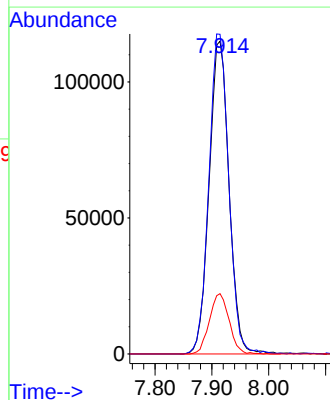
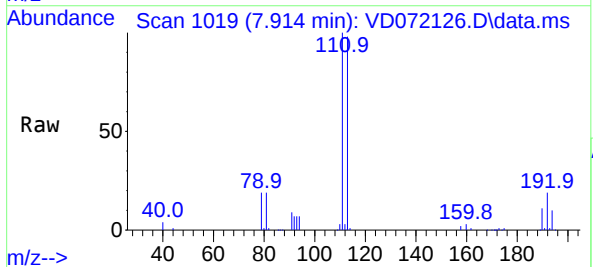
Instrument :
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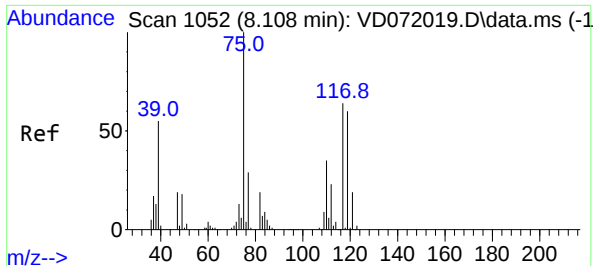
Tgt Ion:114 Resp: 933409
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.2
88 16.3 0.0 31.2



#35
Dibromofluoromethane
Concen: 49.445 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion:113 Resp: 279622
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 19.0 15.3 22.9





#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072126.D

Acq: 28 Feb 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

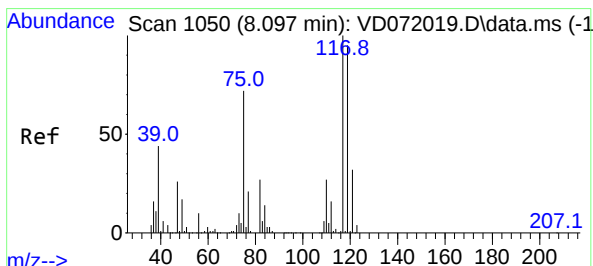
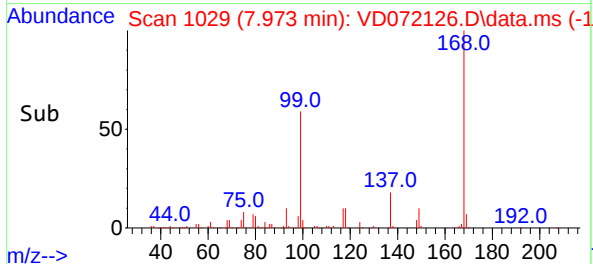
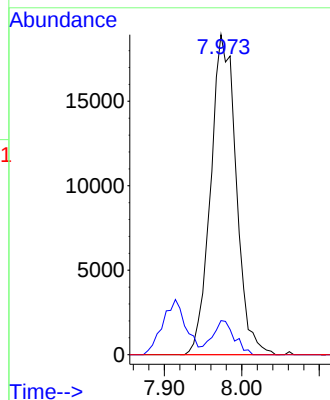
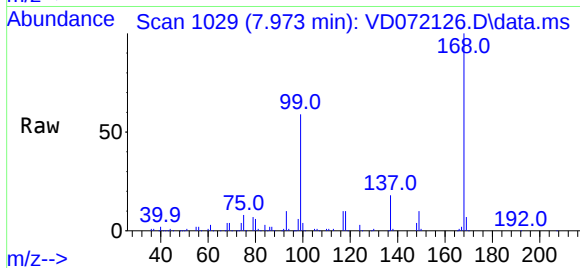
Tgt Ion: 75 Resp: 43269

Ion Ratio Lower Upper

75 100

110 9.0 17.7 53.1#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.327 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD072126.D

Acq: 28 Feb 2022 16:54

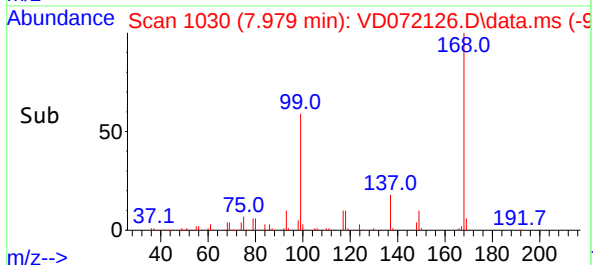
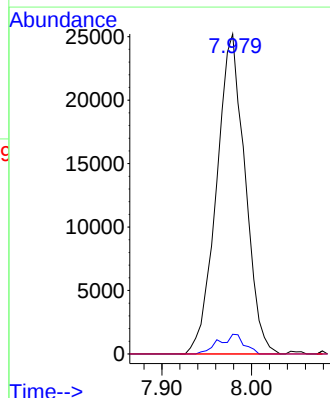
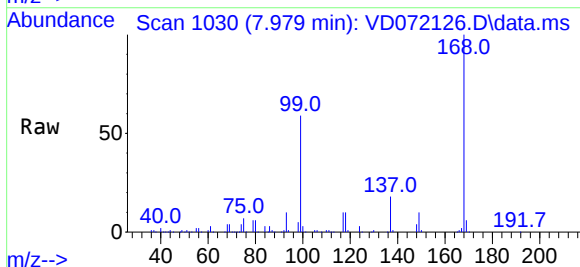
Tgt Ion: 117 Resp: 55554

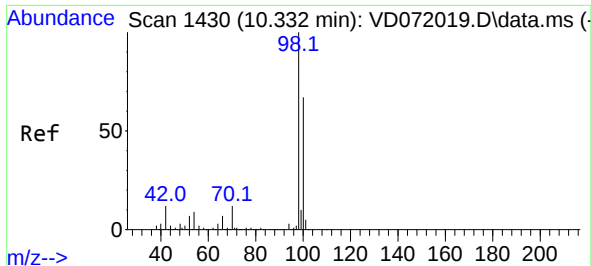
Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.8#

121 0.0 25.8 38.6#

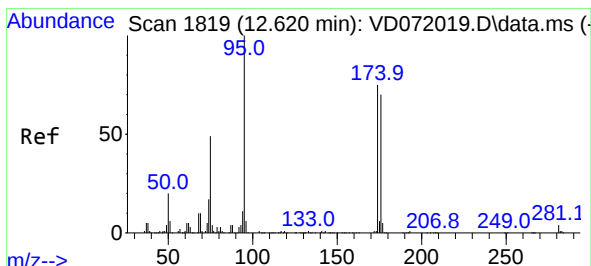
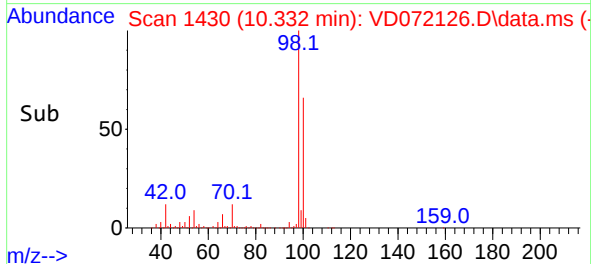
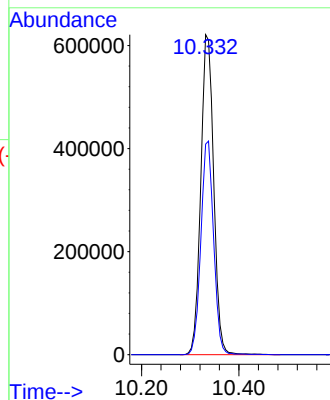
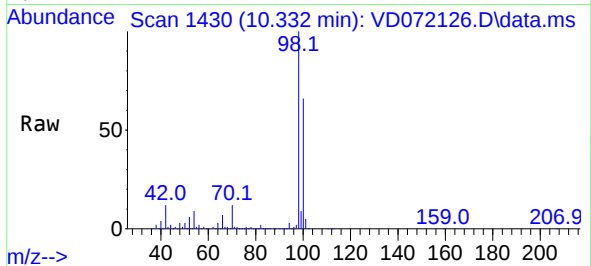




#50
Toluene-d8
Concen: 54.428 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

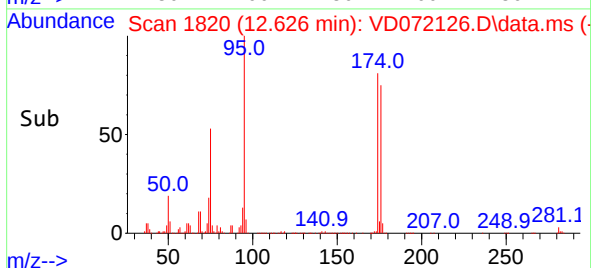
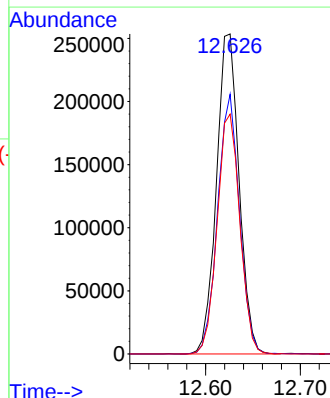
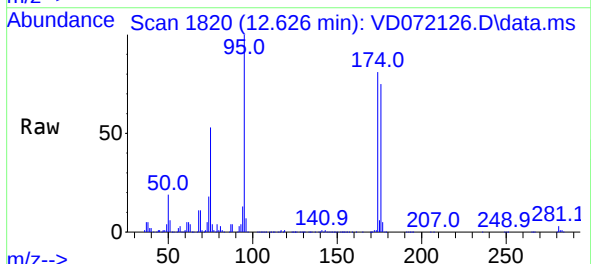
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

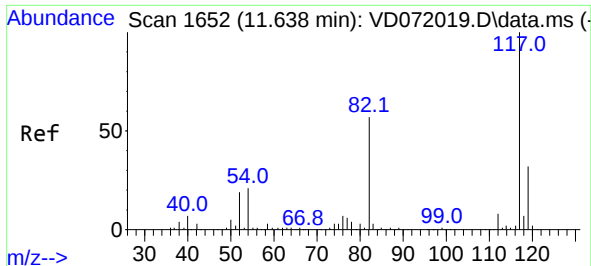
Tgt Ion: 98 Resp: 1141471
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 54.694 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion: 95 Resp: 421340
Ion Ratio Lower Upper
95 100
174 78.4 0.0 155.0
176 75.1 0.0 148.8

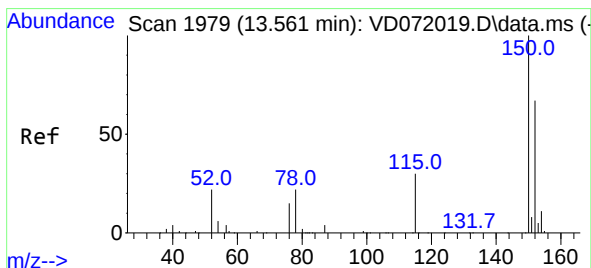
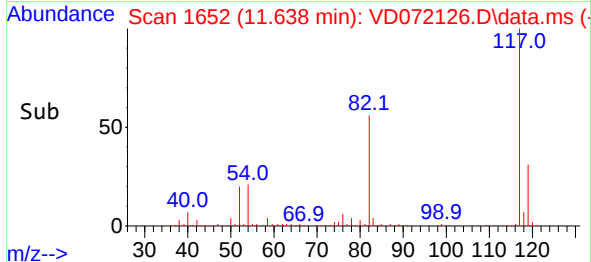
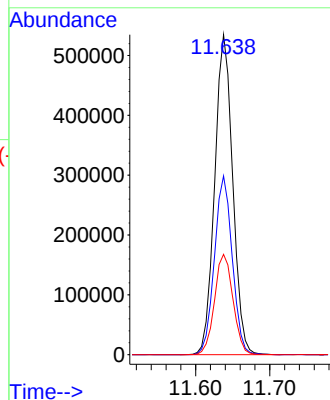
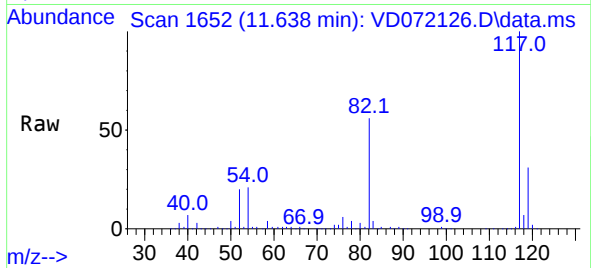




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

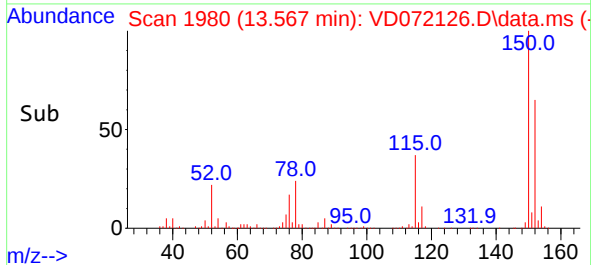
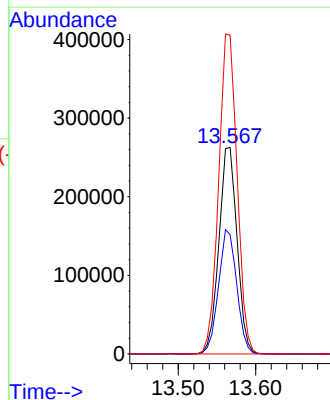
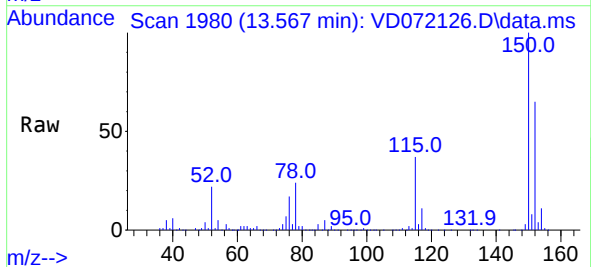
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

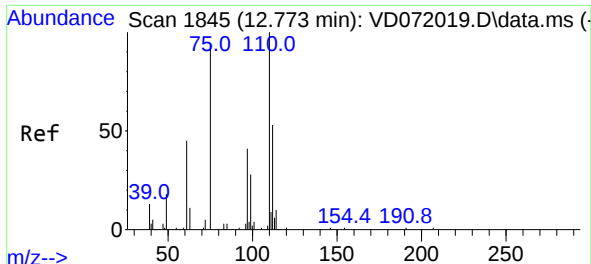
Tgt Ion:117 Resp: 902871
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.0
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion:152 Resp: 428969
Ion Ratio Lower Upper
152 100
115 60.2 29.9 89.7
150 157.1 0.0 347.6

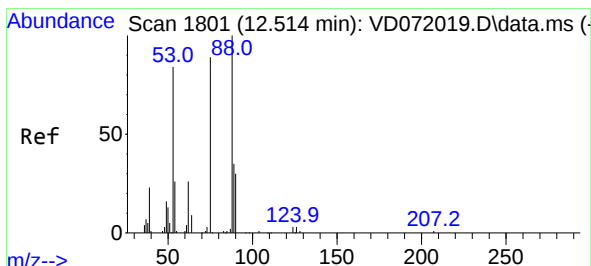
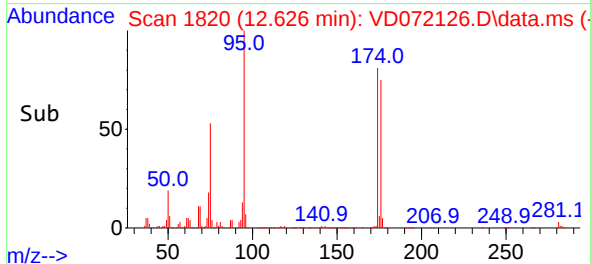
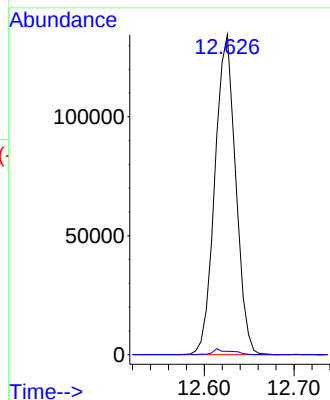
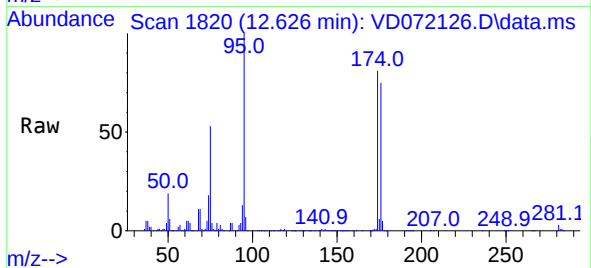




#76
1,2,3-Trichloropropane
Concen: 53.392 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 216948
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.705 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072126.D
Acq: 28 Feb 2022 16:54

Tgt Ion: 75 Resp: 216948
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.4#
89 0.0 36.4 54.6#

