

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076224.D
 Acq On : 24 May 2023 20:10
 Operator : KP/SY
 Sample : 02867-01RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP16

Quant Time: May 25 06:03:33 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)

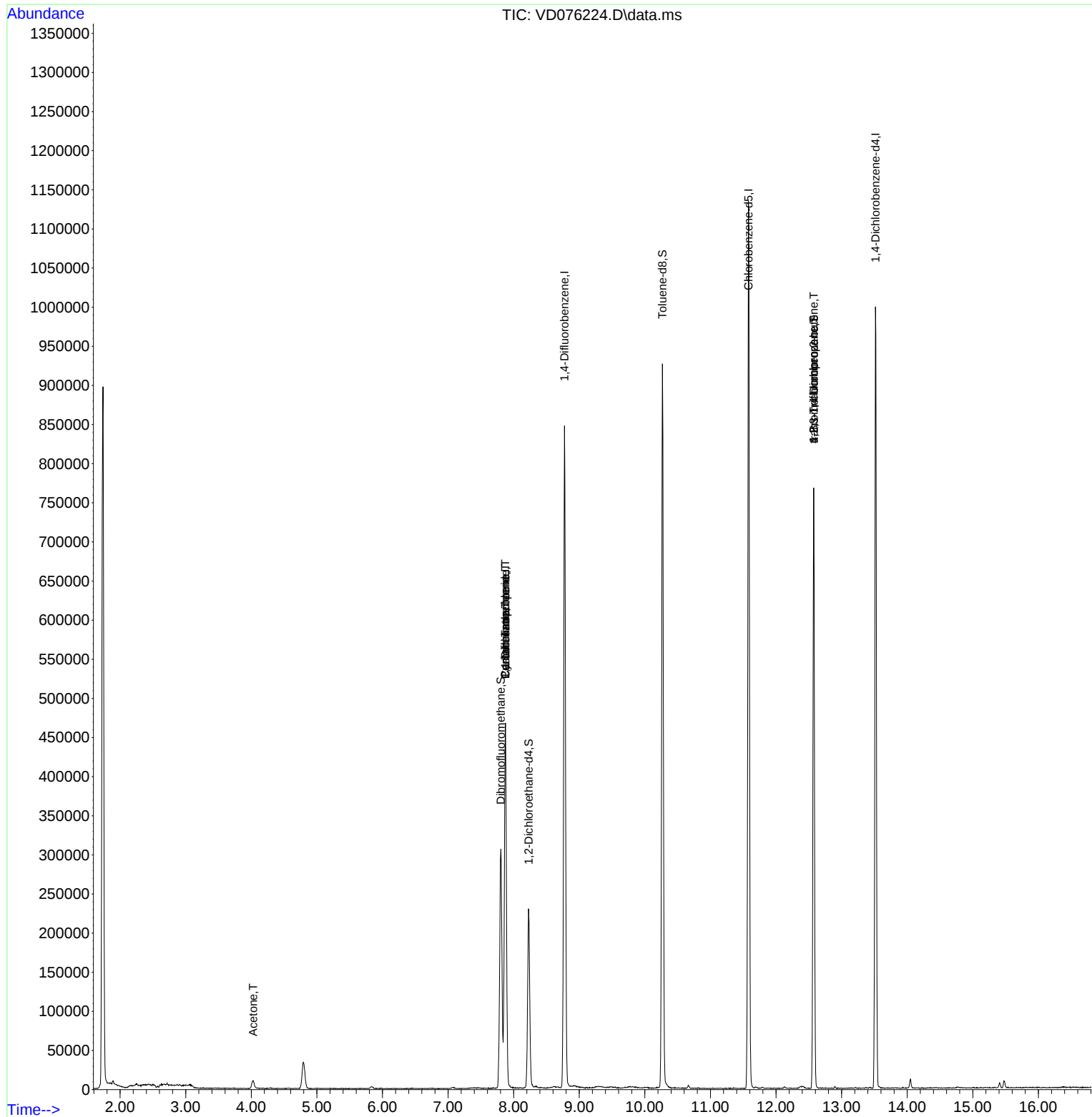
Internal Standards						
1) Pentafluorobenzene	7.875	168	370894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	774579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	696199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	278964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	168064	46.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.780%
35) Dibromofluoromethane	7.804	113	228345	42.649	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.300%
50) Toluene-d8	10.269	98	680127	32.587	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	65.180%
62) 4-Bromofluorobenzene	12.575	95	234274	40.408	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	578	Below Cal		99
16) Acetone	4.028	43	17734	24.865 ug/l	#	87
17) Carbon Disulfide	4.269	76	126	Below Cal	#	73
20) Methylene Chloride	4.793	84	29021	Below Cal	#	73
31) Cyclohexane	7.875	56	7560	1.377 ug/l	#	1
36) 1,1-Dichloropropene	7.875	75	28677	3.966 ug/l	#	50
38) Carbon Tetrachloride	7.875	117	34736	5.318 ug/l	#	17
76) 1,2,3-Trichloropropane	12.575	75	118035	48.352 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.575	75	118035	101.434 ug/l	#	5

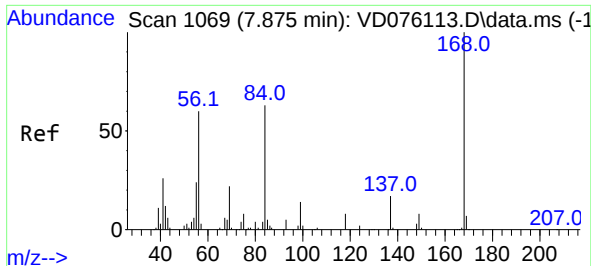
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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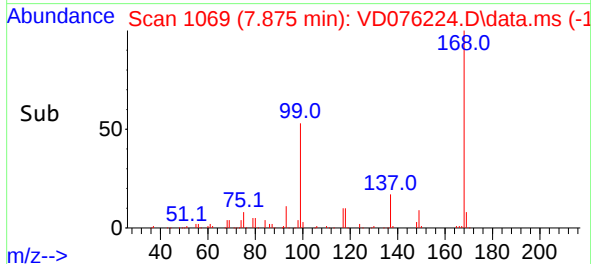
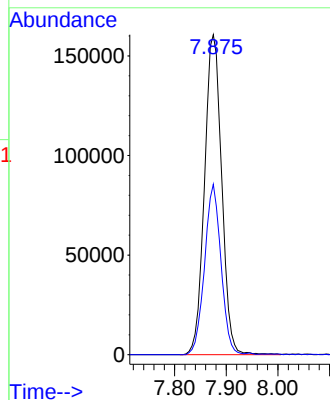
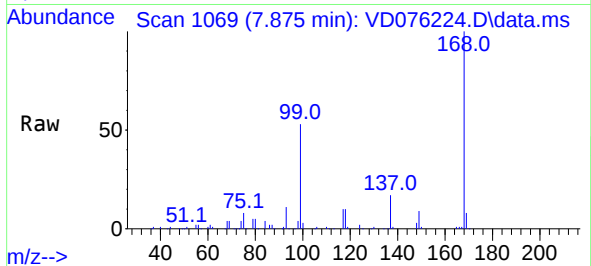




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

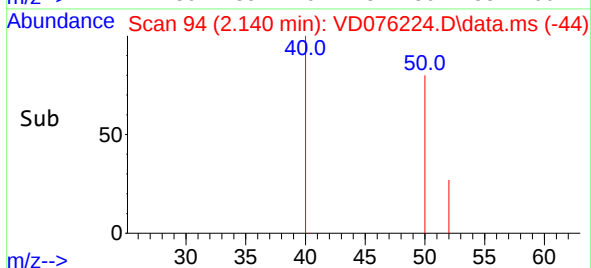
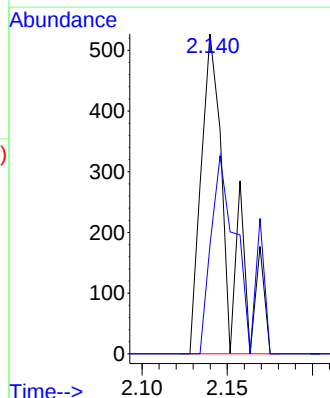
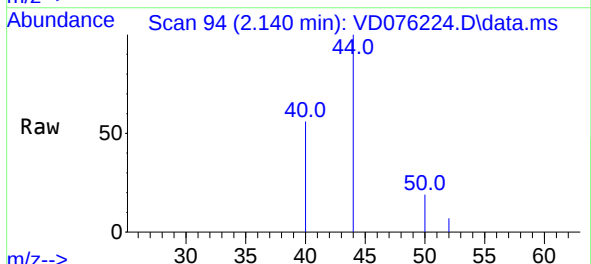
Instrument :
MSVOA_D
ClientSampleId :
TP16

Tgt Ion:168 Resp: 370894
Ion Ratio Lower Upper
168 100
99 53.2 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

Tgt Ion: 50 Resp: 578
Ion Ratio Lower Upper
50 100
52 34.0 27.8 41.8





#16

Acetone

Concen: 24.865 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD076224.D

Acq: 24 May 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

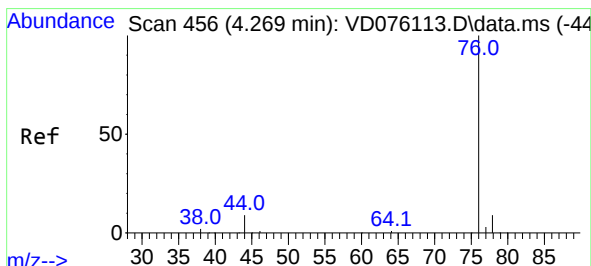
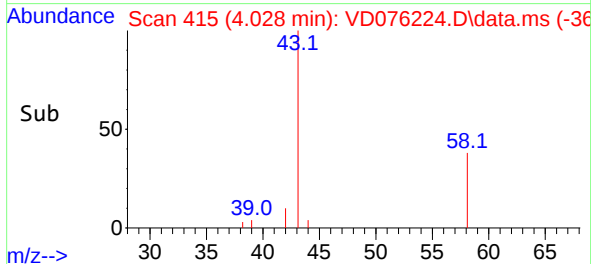
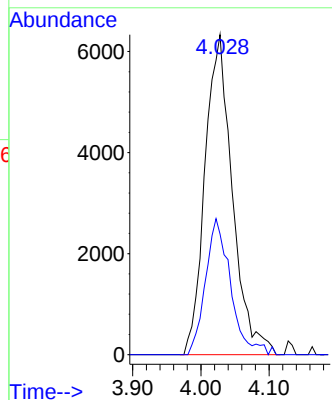
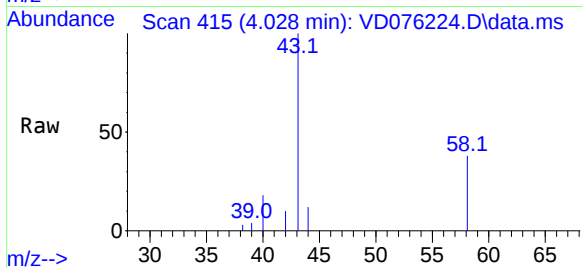
TP16

Tgt Ion: 43 Resp: 17734

Ion Ratio Lower Upper

43 100

58 37.7 24.4 36.6#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD076224.D

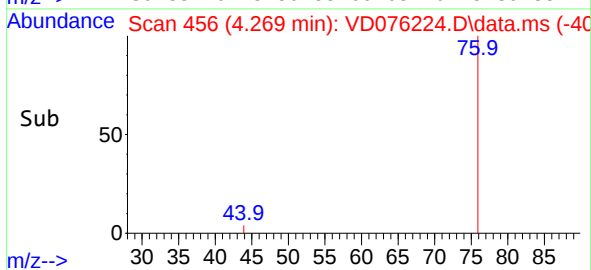
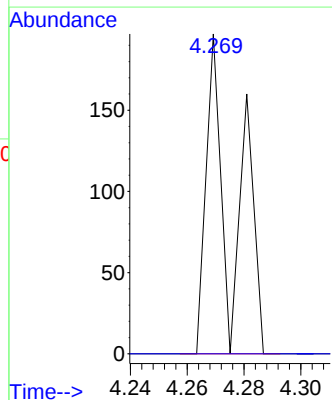
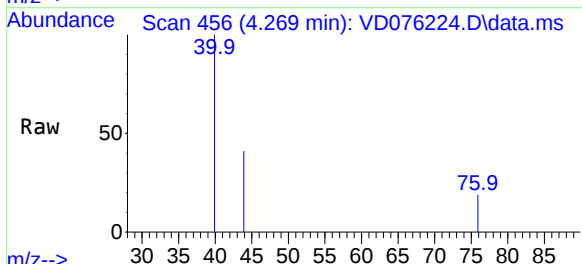
Acq: 24 May 2023 20:10

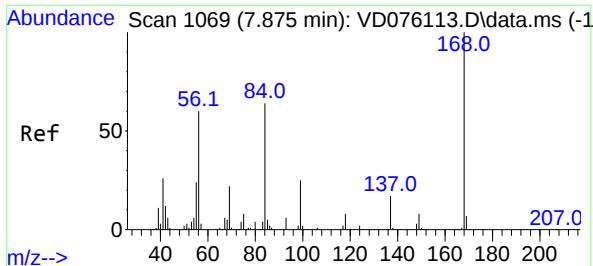
Tgt Ion: 76 Resp: 126

Ion Ratio Lower Upper

76 100

78 0.0 8.0 12.0#





#31

Cyclohexane

Concen: 1.377 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076224.D

Acq: 24 May 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

TP16

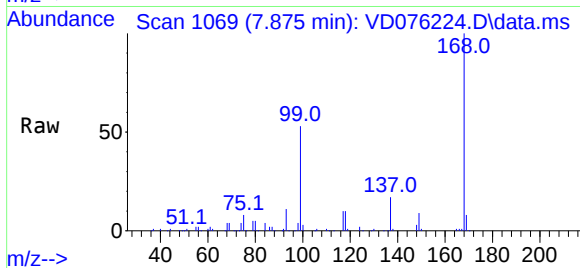
Tgt Ion: 56 Resp: 7560

Ion Ratio Lower Upper

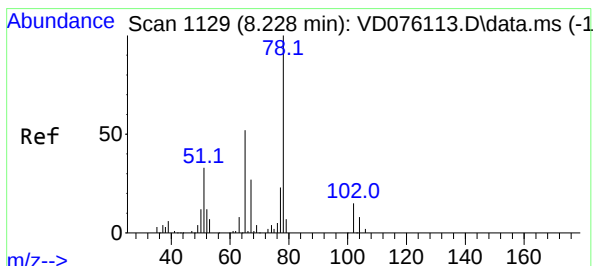
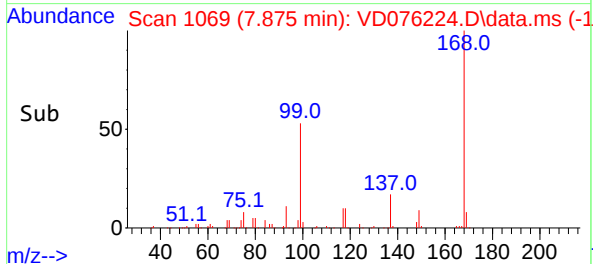
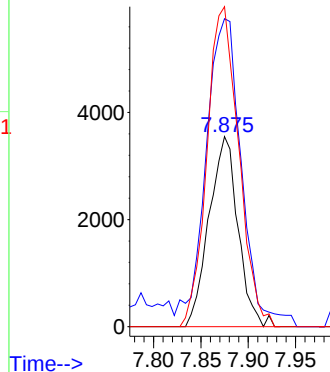
56 100

69 155.8 25.5 38.3#

84 168.3 69.6 104.4#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 46.885 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076224.D

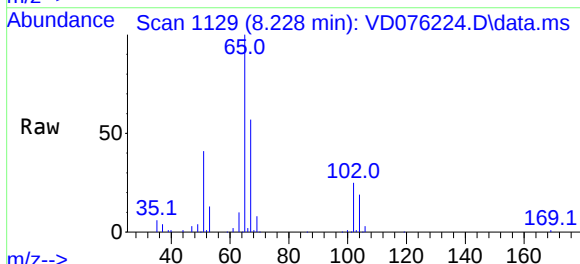
Acq: 24 May 2023 20:10

Tgt Ion: 65 Resp: 168064

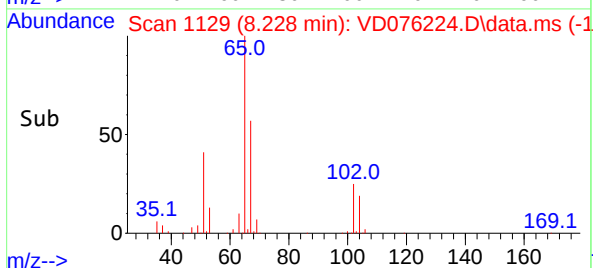
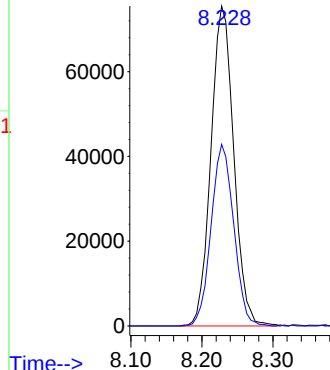
Ion Ratio Lower Upper

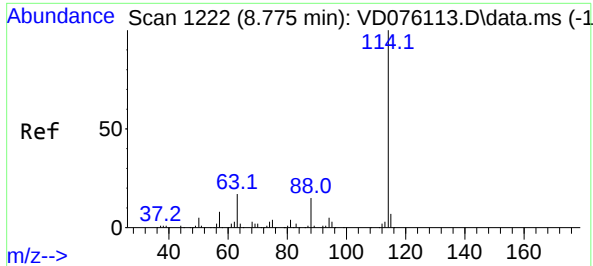
65 100

67 56.4 0.0 102.2



Abundance



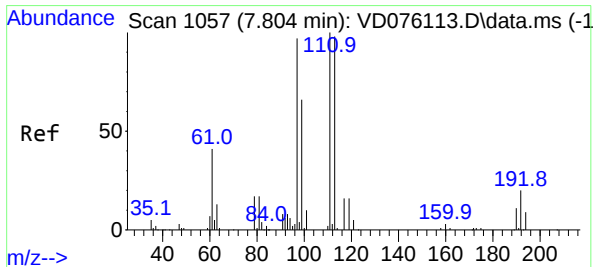
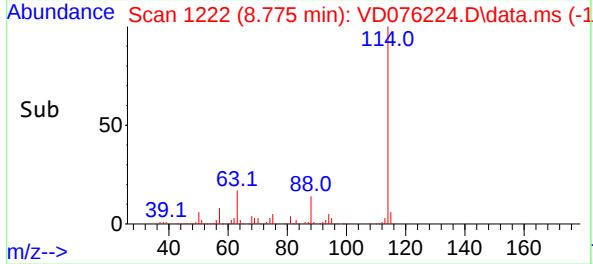
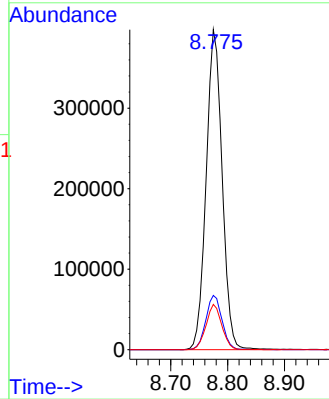
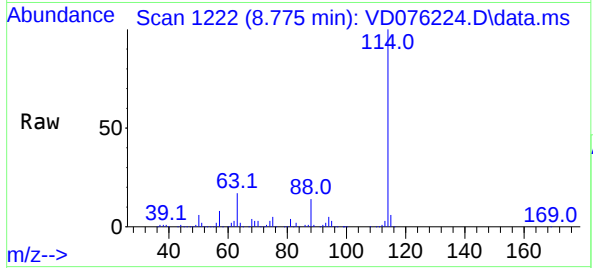


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

Instrument :
MSVOA_D
ClientSampleId :
TP16

Tgt Ion:114 Resp: 774579

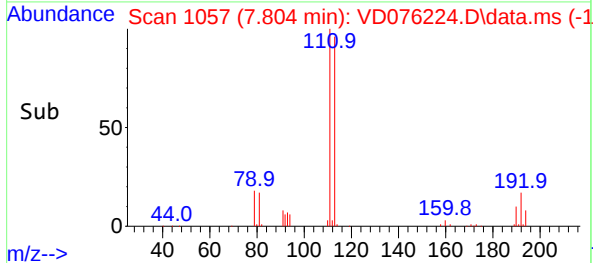
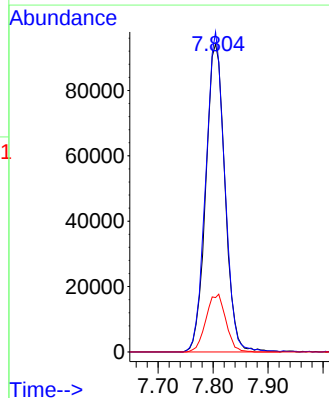
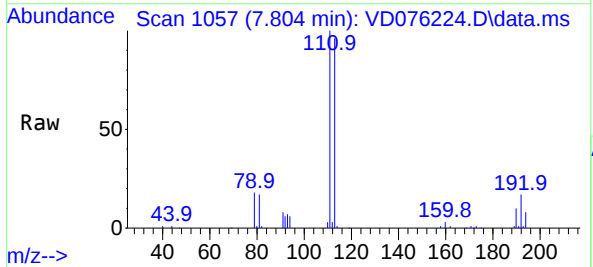
Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	41.6
88	14.2	0.0	30.6

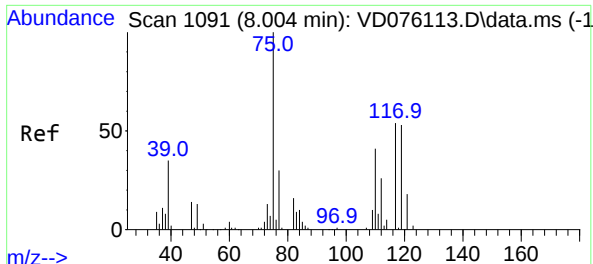


#35
Dibromofluoromethane
Concen: 42.649 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

Tgt Ion:113 Resp: 228345

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	19.4	15.2	22.8





#36

1,1-Dichloropropene

Concen: 3.966 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076224.D

Acq: 24 May 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

TP16

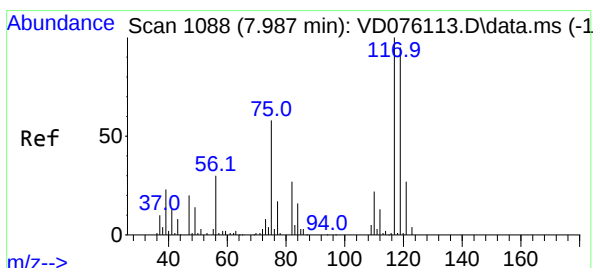
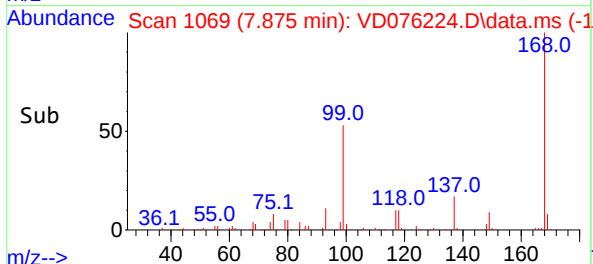
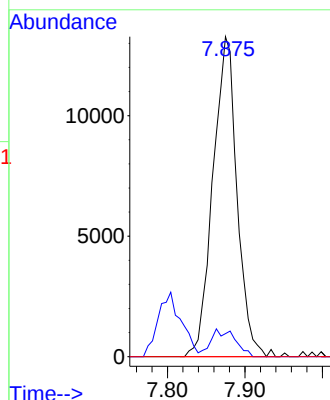
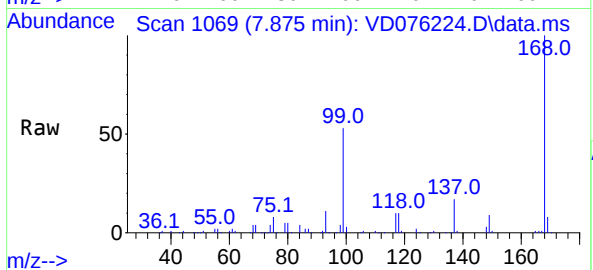
Tgt Ion: 75 Resp: 28677

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.318 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076224.D

Acq: 24 May 2023 20:10

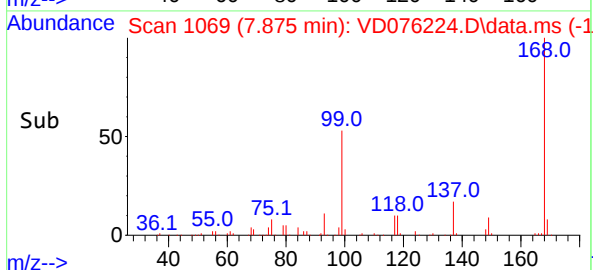
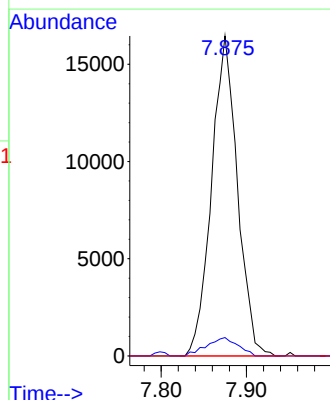
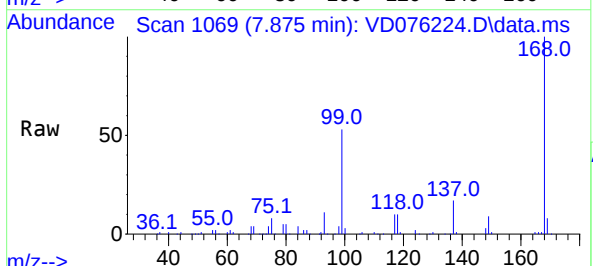
Tgt Ion: 117 Resp: 34736

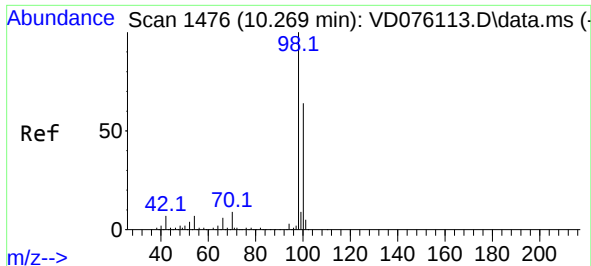
Ion Ratio Lower Upper

117 100

119 5.8 74.7 112.1#

121 0.0 25.9 38.9#

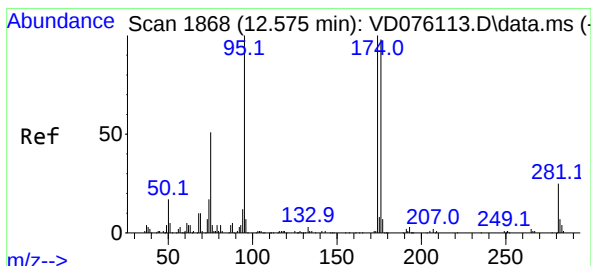
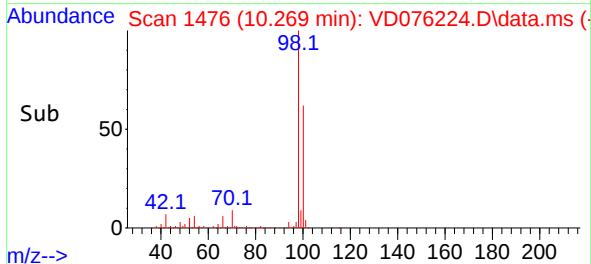
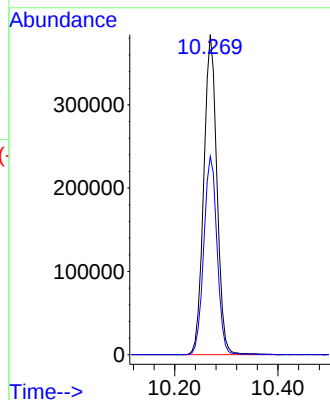
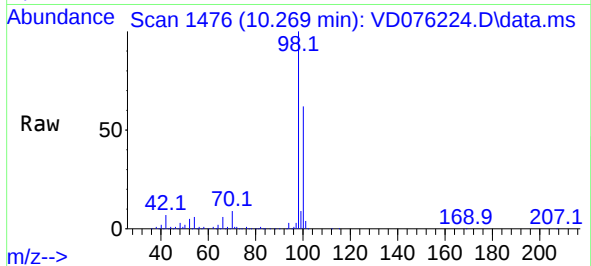




#50
Toluene-d8
Concen: 32.587 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

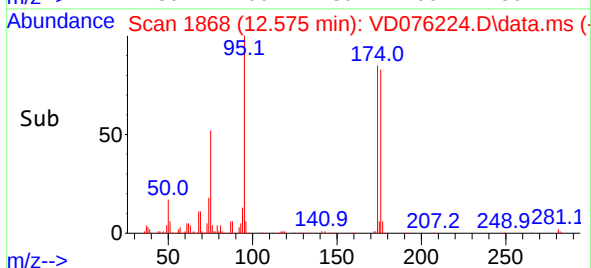
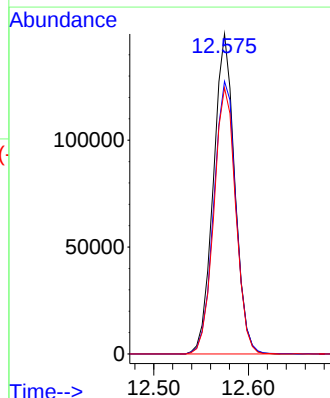
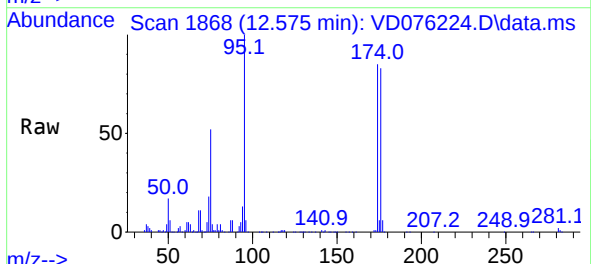
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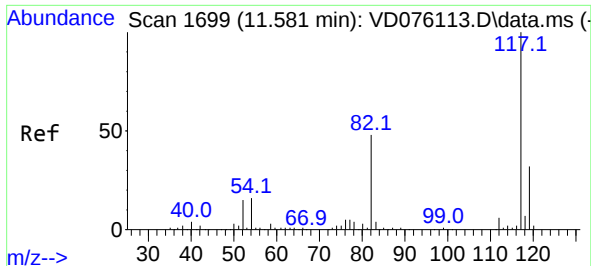
Tgt Ion: 98 Resp: 680127
Ion Ratio Lower Upper
98 100
100 62.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.408 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

Tgt Ion: 95 Resp: 234274
Ion Ratio Lower Upper
95 100
174 88.7 0.0 164.0
176 85.2 0.0 156.8

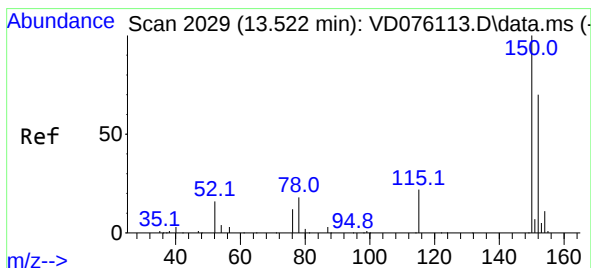
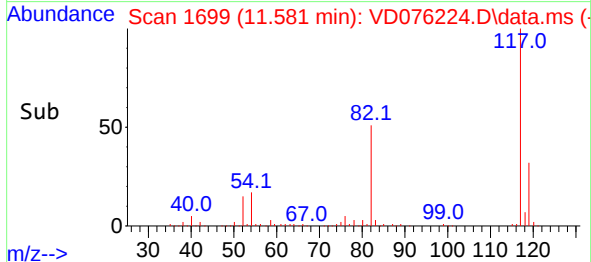
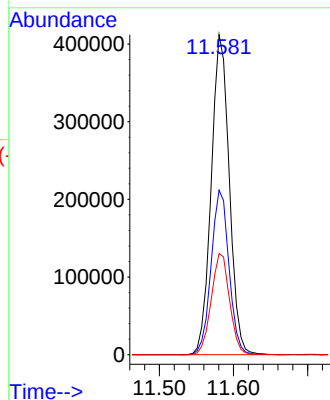
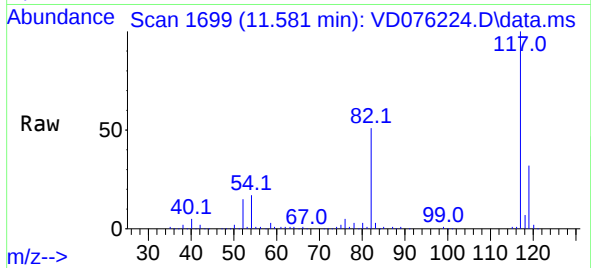




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

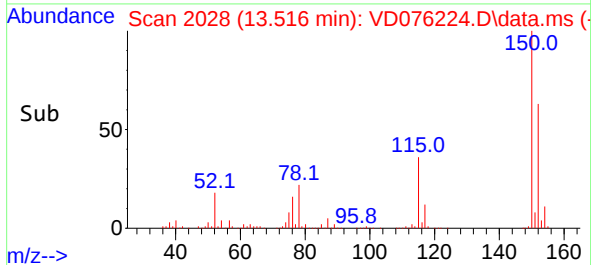
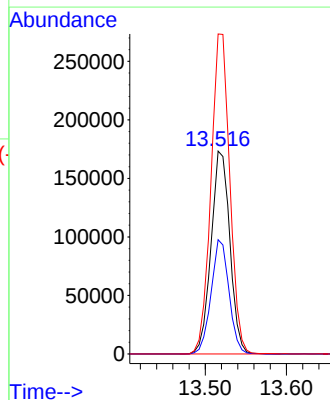
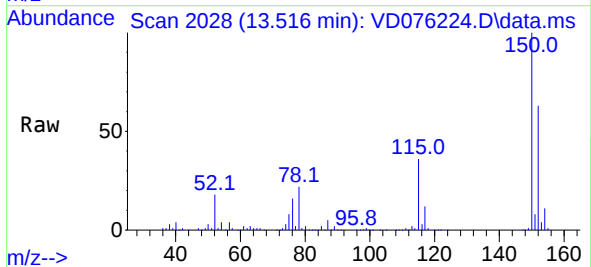
Instrument :
MSVOA_D
ClientSampleId :
TP16

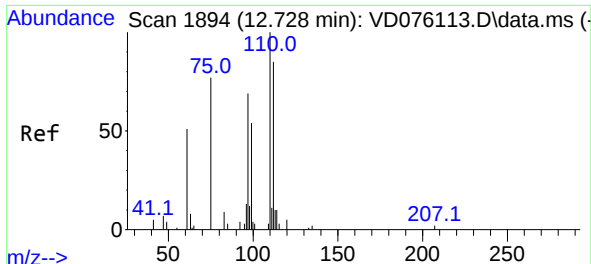
Tgt Ion:117 Resp: 696199
Ion Ratio Lower Upper
117 100
82 51.4 44.0 66.0
119 31.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

Tgt Ion:152 Resp: 278964
Ion Ratio Lower Upper
152 100
115 53.6 30.1 90.3
150 157.9 0.0 364.8

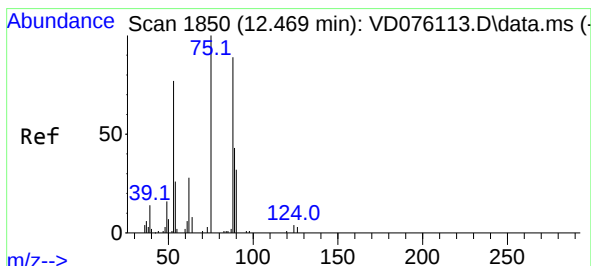
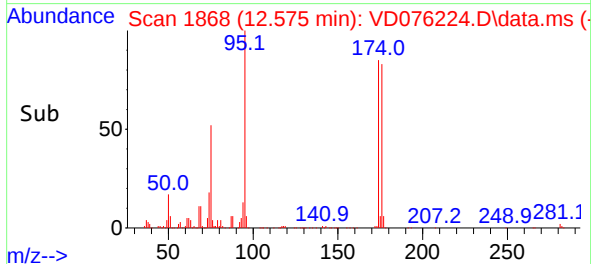
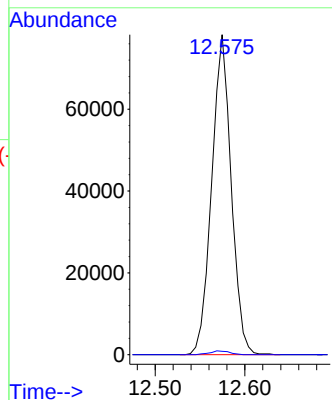
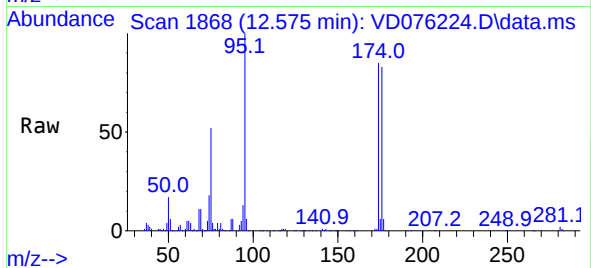




#76
1,2,3-Trichloropropane
Concen: 48.352 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

Instrument :
MSVOA_D
ClientSampleId :
TP16

Tgt Ion: 75 Resp: 118035
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.434 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076224.D
Acq: 24 May 2023 20:10

Tgt Ion: 75 Resp: 118035
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 40.2 60.4#

