

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076288.D
 Acq On : 31 May 2023 16:09
 Operator : KP/SY
 Sample : 02971-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB15

Quant Time: May 31 16:37:10 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)

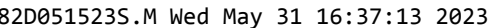
Internal Standards						
1) Pentafluorobenzene	7.875	168	224297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	432835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	397359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	152780	50.000	ug/l	0.00

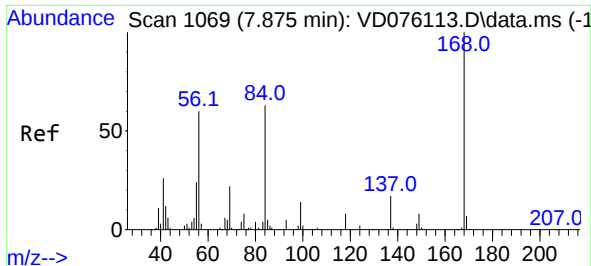
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	119354	55.058	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.120%
35) Dibromofluoromethane	7.805	113	175790	58.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.520%
50) Toluene-d8	10.269	98	467568	40.090	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.180%
62) 4-Bromofluorobenzene	12.575	95	166586	51.419	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.840%

Target Compounds					Qvalue	
3) Chloromethane	2.140	50	483	Below Cal	#	40
16) Acetone	4.023	43	2000	4.637	ug/l #	9
17) Carbon Disulfide	4.264	76	278	Below Cal	#	73
20) Methylene Chloride	4.799	84	21243	Below Cal	#	80
31) Cyclohexane	7.881	56	4803	1.447	ug/l #	15
36) 1,1-Dichloropropene	7.869	75	16717	4.137	ug/l #	50
38) Carbon Tetrachloride	7.869	117	19044	5.218	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	1425	1.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	81412	60.894	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	81412	127.745	ug/l #	5

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

Quant Time: May 31 16:37:10 2023
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Quant Title : SW846 8260
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Response via : Initial Calibration

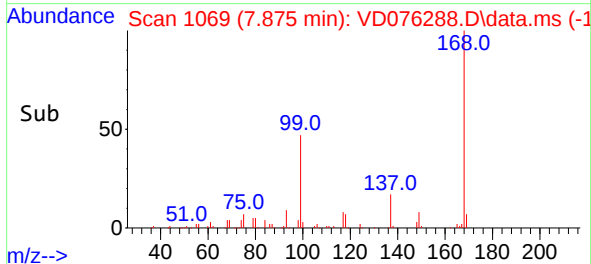
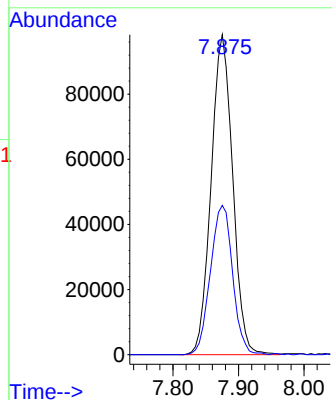
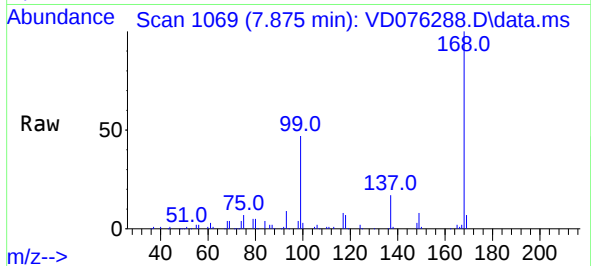




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

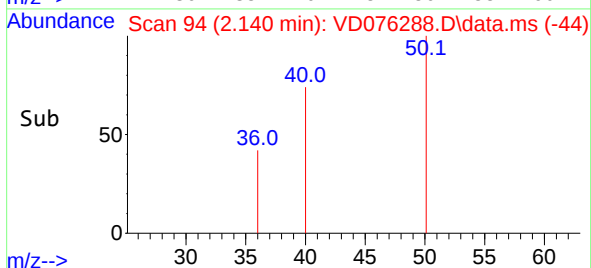
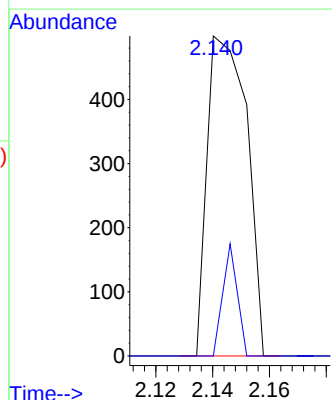
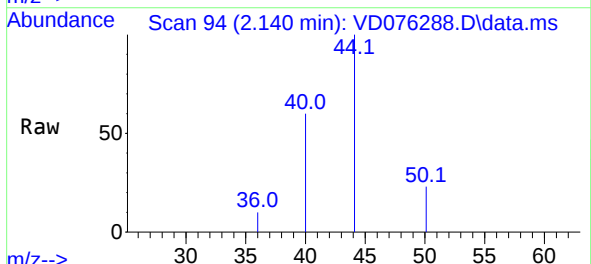
Instrument :
MSVOA_D
ClientSampleId :
SB15

Tgt Ion:168 Resp: 224297
Ion Ratio Lower Upper
168 100
99 46.6 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

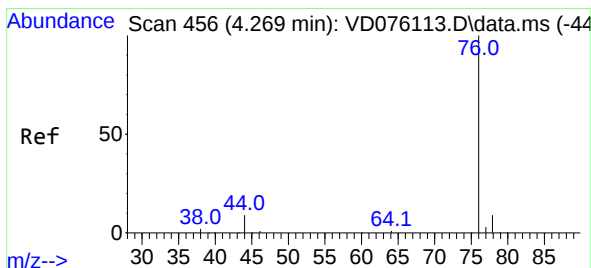
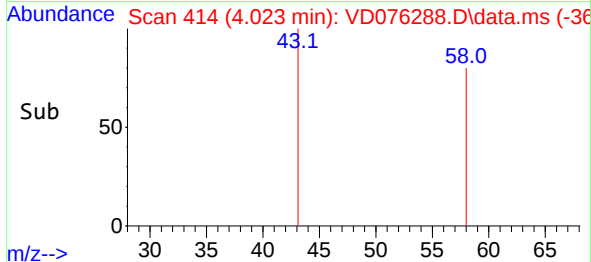
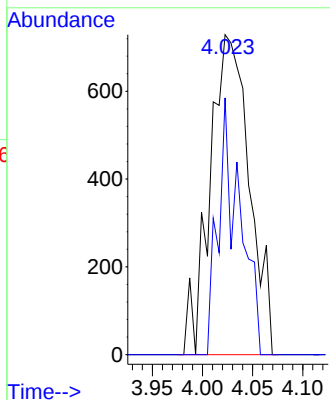
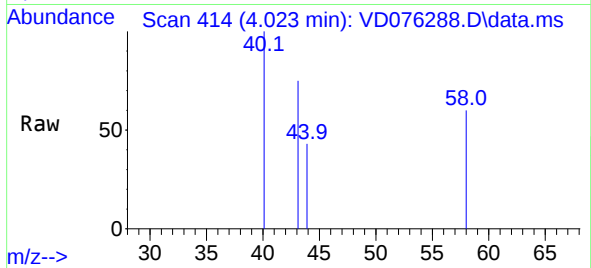




#16
Acetone
Concen: 4.637 ug/l
RT: 4.023 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

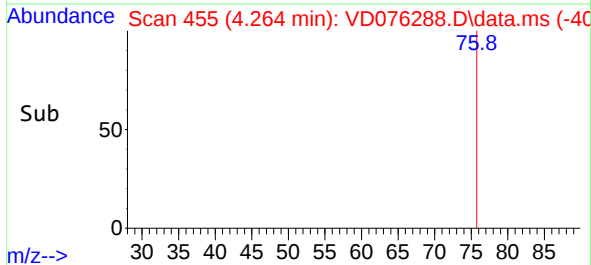
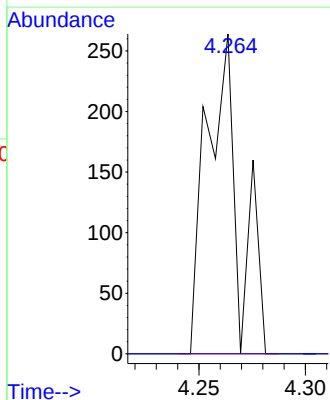
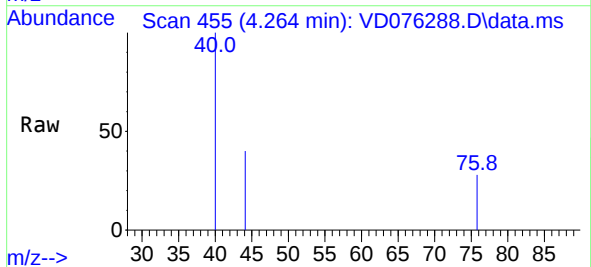
Instrument :
MSVOA_D
ClientSampleId :
SB15

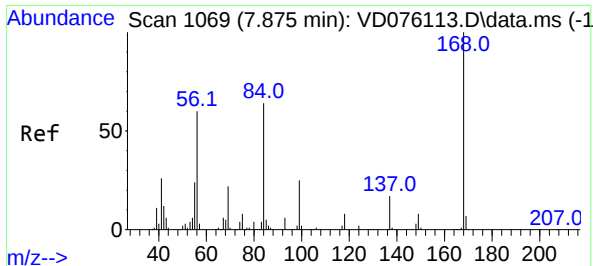
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
58 80.2 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.264 min Scan# 455
Delta R.T. -0.005 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

Tgt Ion: 76 Resp: 278
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#





#31

Cyclohexane

Concen: 1.447 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD076288.D

Acq: 31 May 2023 16:09

Instrument :

MSVOA_D

ClientSampleId :

SB15

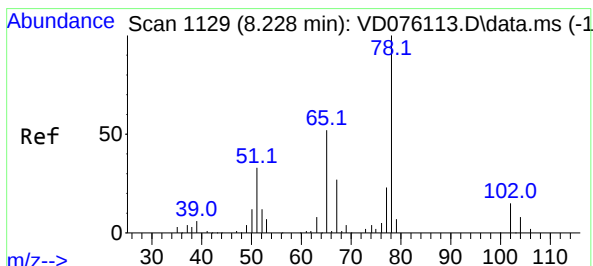
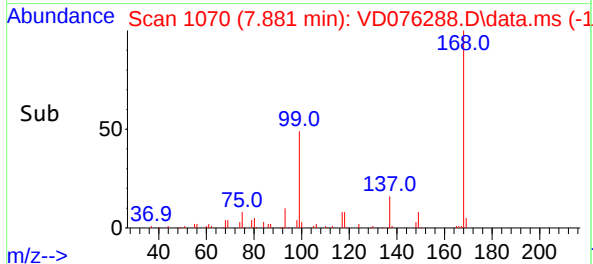
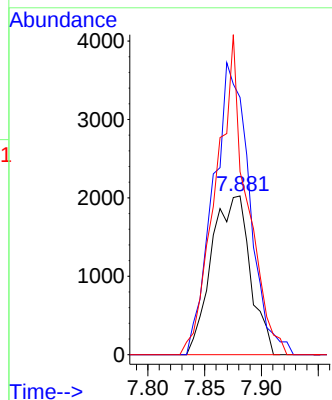
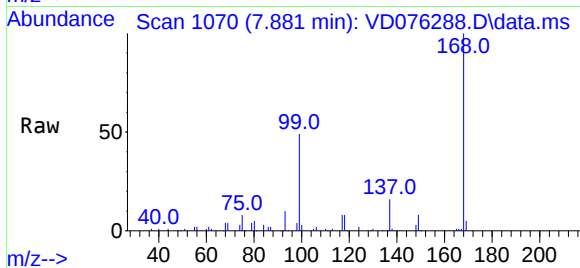
Tgt Ion: 56 Resp: 4803

Ion Ratio Lower Upper

56 100

69 162.1 25.5 38.3#

84 115.4 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 55.058 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076288.D

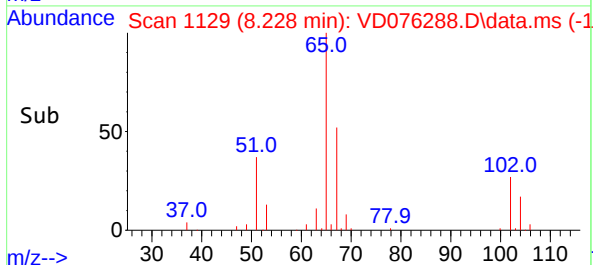
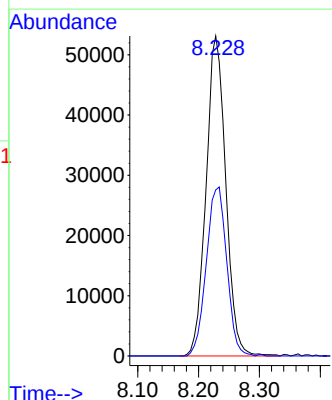
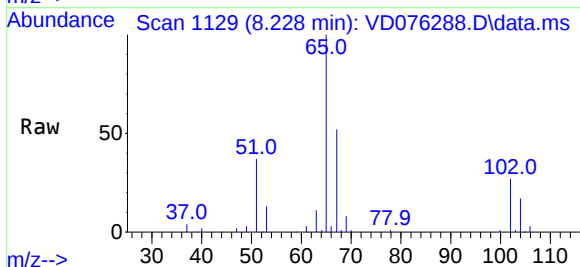
Acq: 31 May 2023 16:09

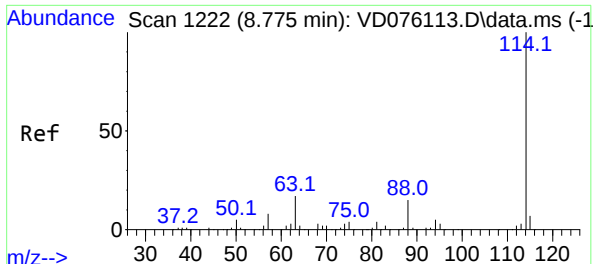
Tgt Ion: 65 Resp: 119354

Ion Ratio Lower Upper

65 100

67 54.7 0.0 102.2



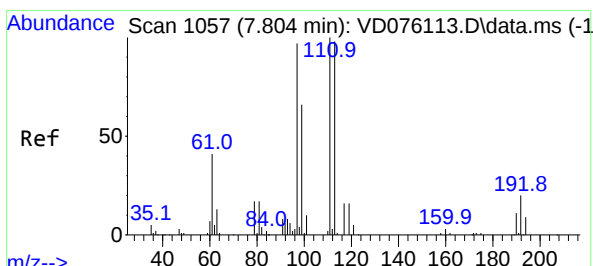
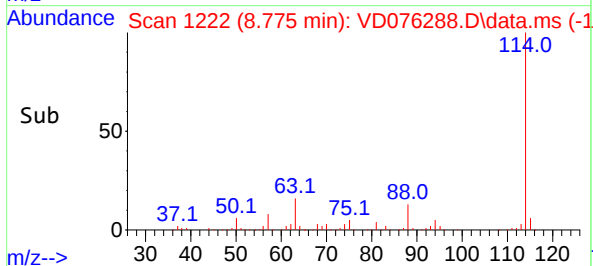
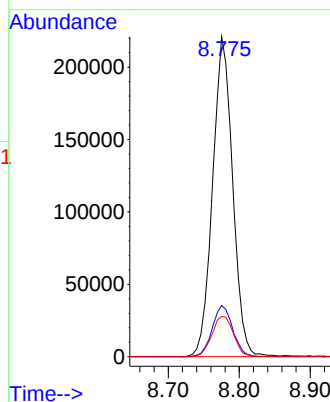
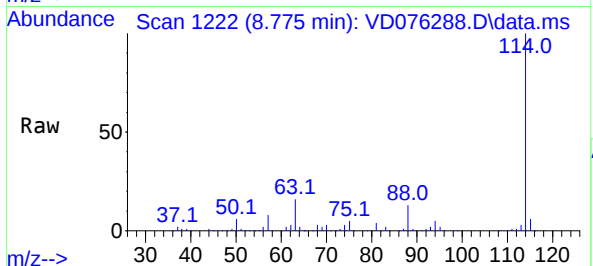


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

Instrument :
MSVOA_D
ClientSampleId :
SB15

Tgt Ion:114 Resp: 432835

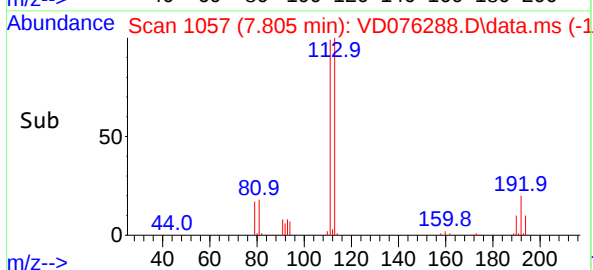
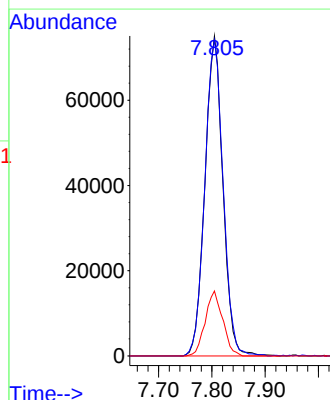
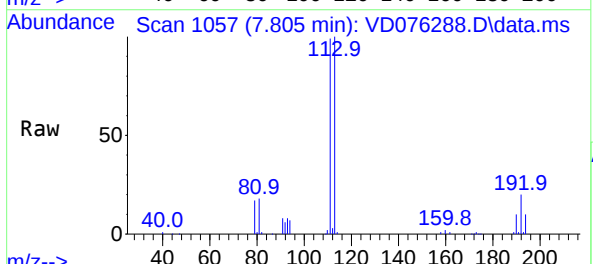
Ion	Ratio	Lower	Upper
114	100		
63	16.0	0.0	41.6
88	12.5	0.0	30.6

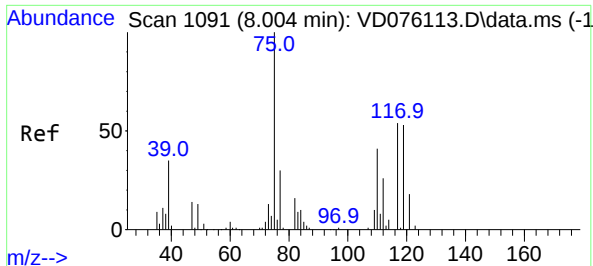


#35
Dibromofluoromethane
Concen: 58.757 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

Tgt Ion:113 Resp: 175790

Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.4	122.0
192	19.8	15.2	22.8





#36

1,1-Dichloropropene

Concen: 4.137 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076288.D

Acq: 31 May 2023 16:09

Instrument :

MSVOA_D

ClientSampleId :

SB15

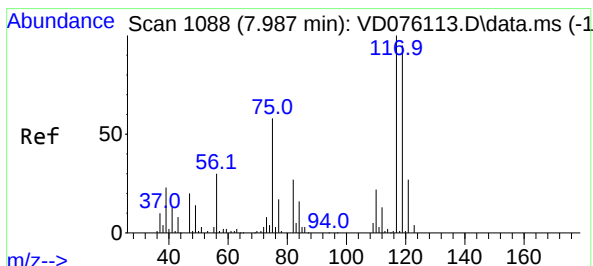
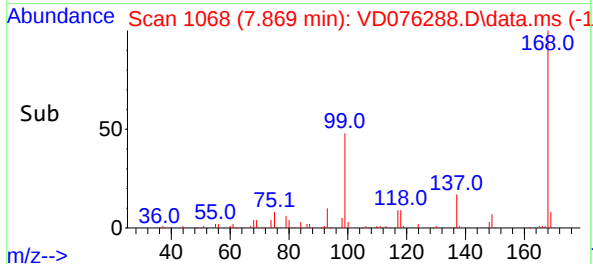
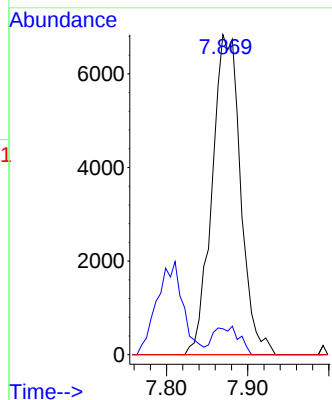
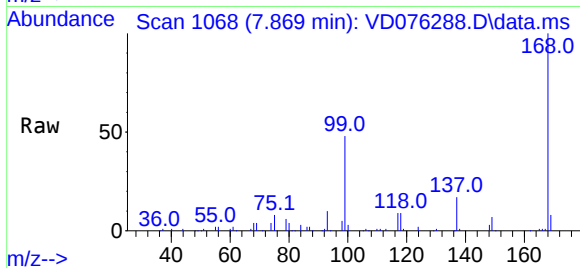
Tgt Ion: 75 Resp: 16717

Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.218 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076288.D

Acq: 31 May 2023 16:09

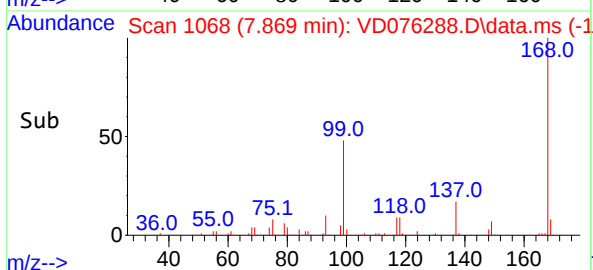
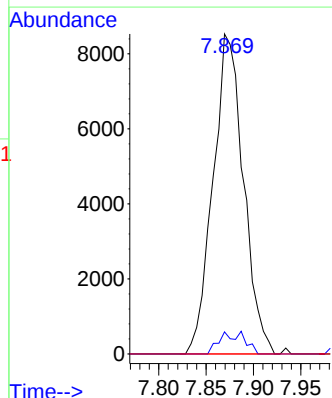
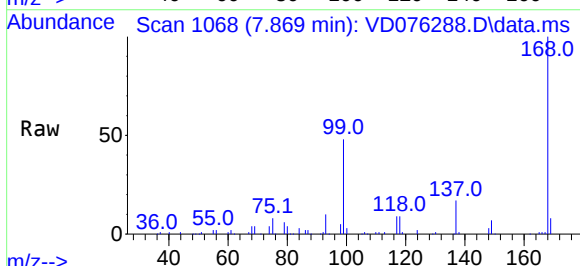
Tgt Ion: 117 Resp: 19044

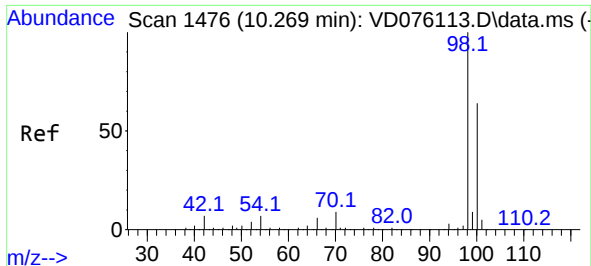
Ion Ratio Lower Upper

117 100

119 6.9 74.7 112.1#

121 0.0 25.9 38.9#

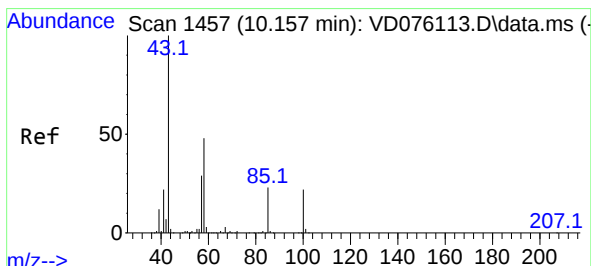
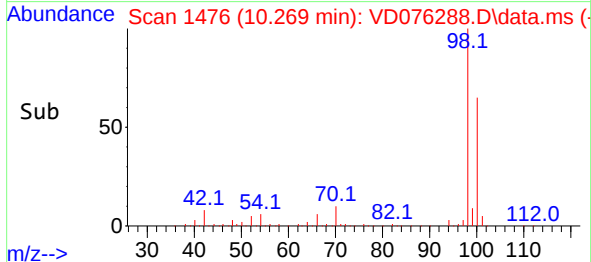
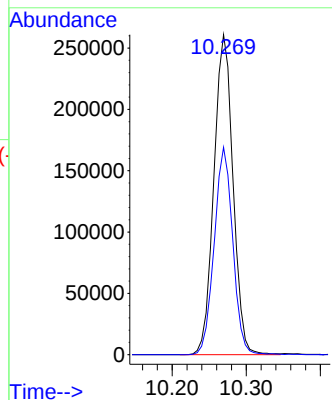
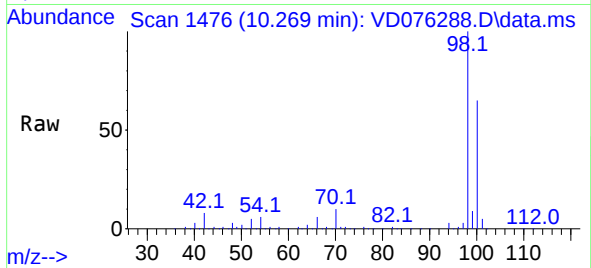




#50
Toluene-d8
Concen: 40.090 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

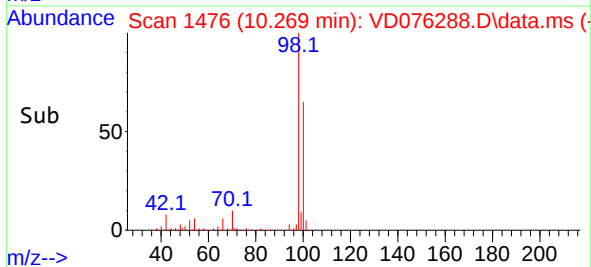
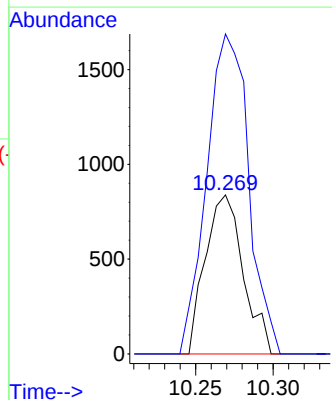
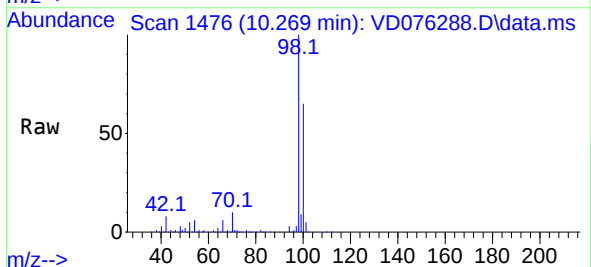
Instrument :
MSVOA_D
ClientSampleId :
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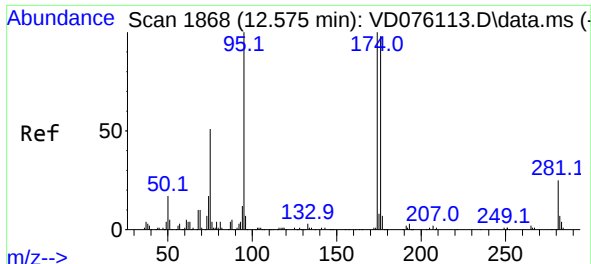
Tgt Ion: 98 Resp: 467568
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.025 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
58 222.4 29.5 44.3#

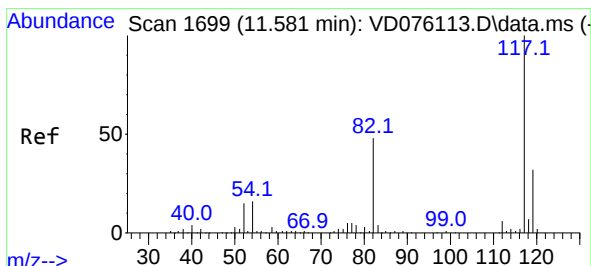
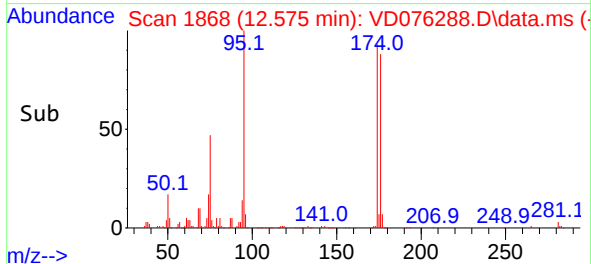
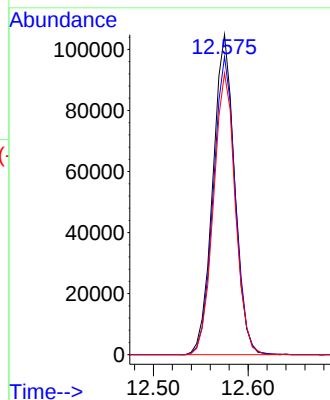
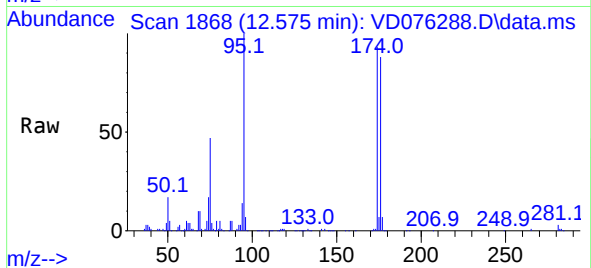




#62
4-Bromofluorobenzene
Concen: 51.419 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

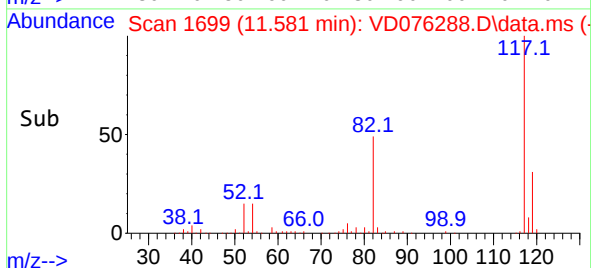
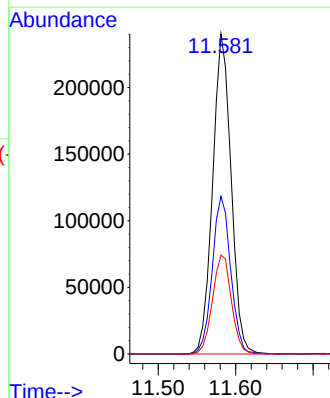
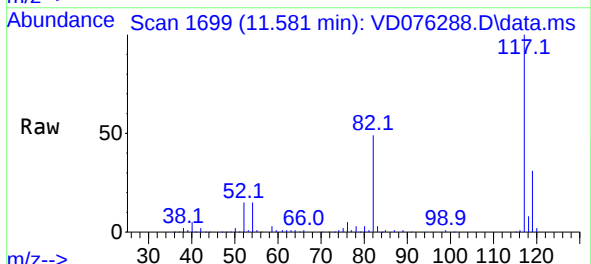
Instrument :
MSVOA_D
ClientSampleId :
SB15

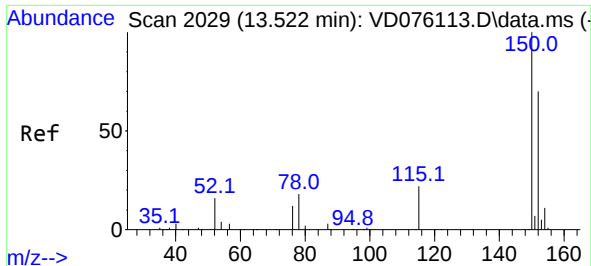
Tgt Ion: 95 Resp: 166586
Ion Ratio Lower Upper
95 100
174 94.6 0.0 164.0
176 88.2 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

Tgt Ion: 117 Resp: 397359
Ion Ratio Lower Upper
117 100
82 49.2 44.0 66.0
119 30.9 25.1 37.7

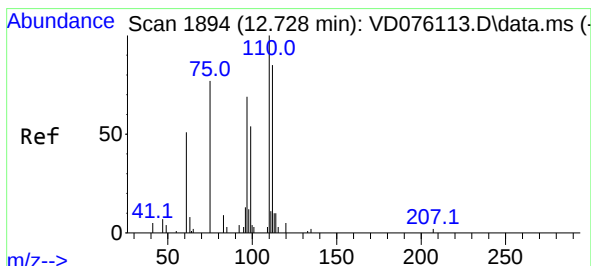
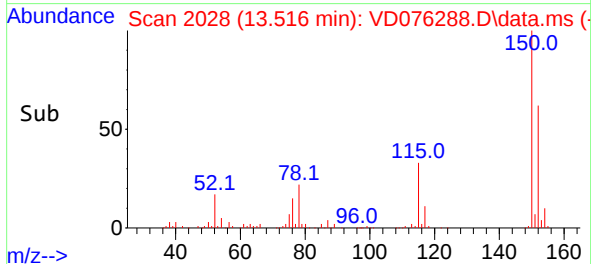
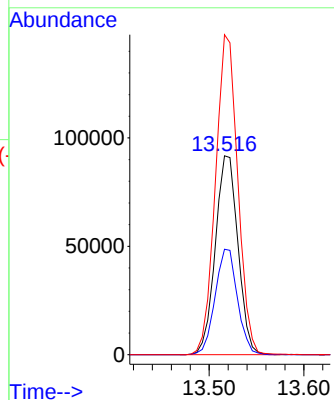
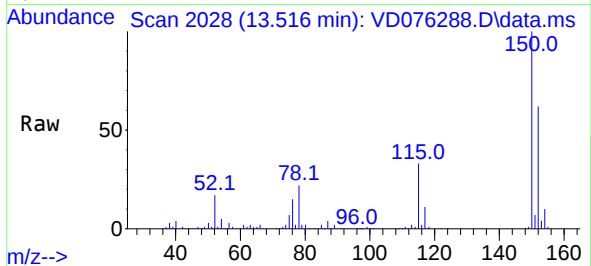




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

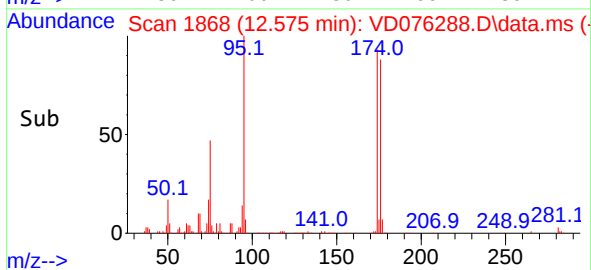
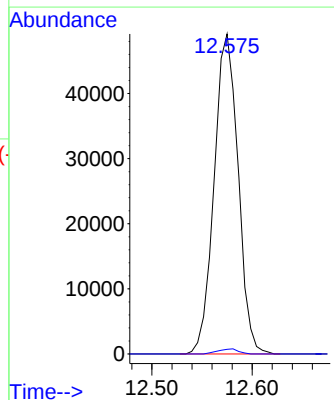
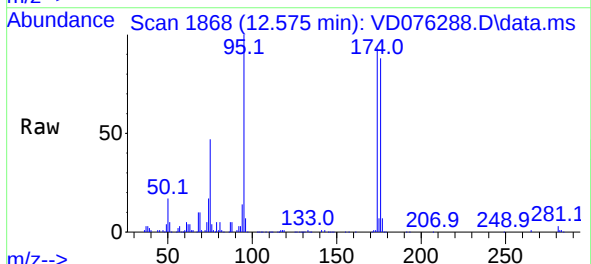
Instrument :
MSVOA_D
ClientSampleId :
SB15

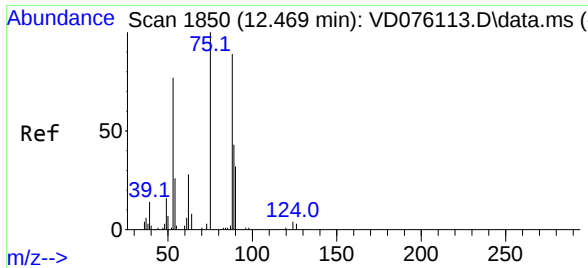
Tgt Ion:152 Resp: 152780
Ion Ratio Lower Upper
152 100
115 52.3 30.1 90.3
150 158.5 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 60.894 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

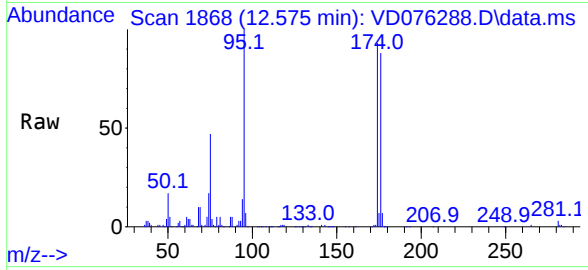
Tgt Ion: 75 Resp: 81412
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 127.745 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076288.D
Acq: 31 May 2023 16:09

Instrument :
MSVOA_D
ClientSampleId :
SB15



Tgt Ion: 75 Resp: 81412
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

