

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076191.D
 Acq On : 23 May 2023 13:04
 Operator : KP/SY
 Sample : 02826-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-3-051723

Quant Time: May 23 15:02:43 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)

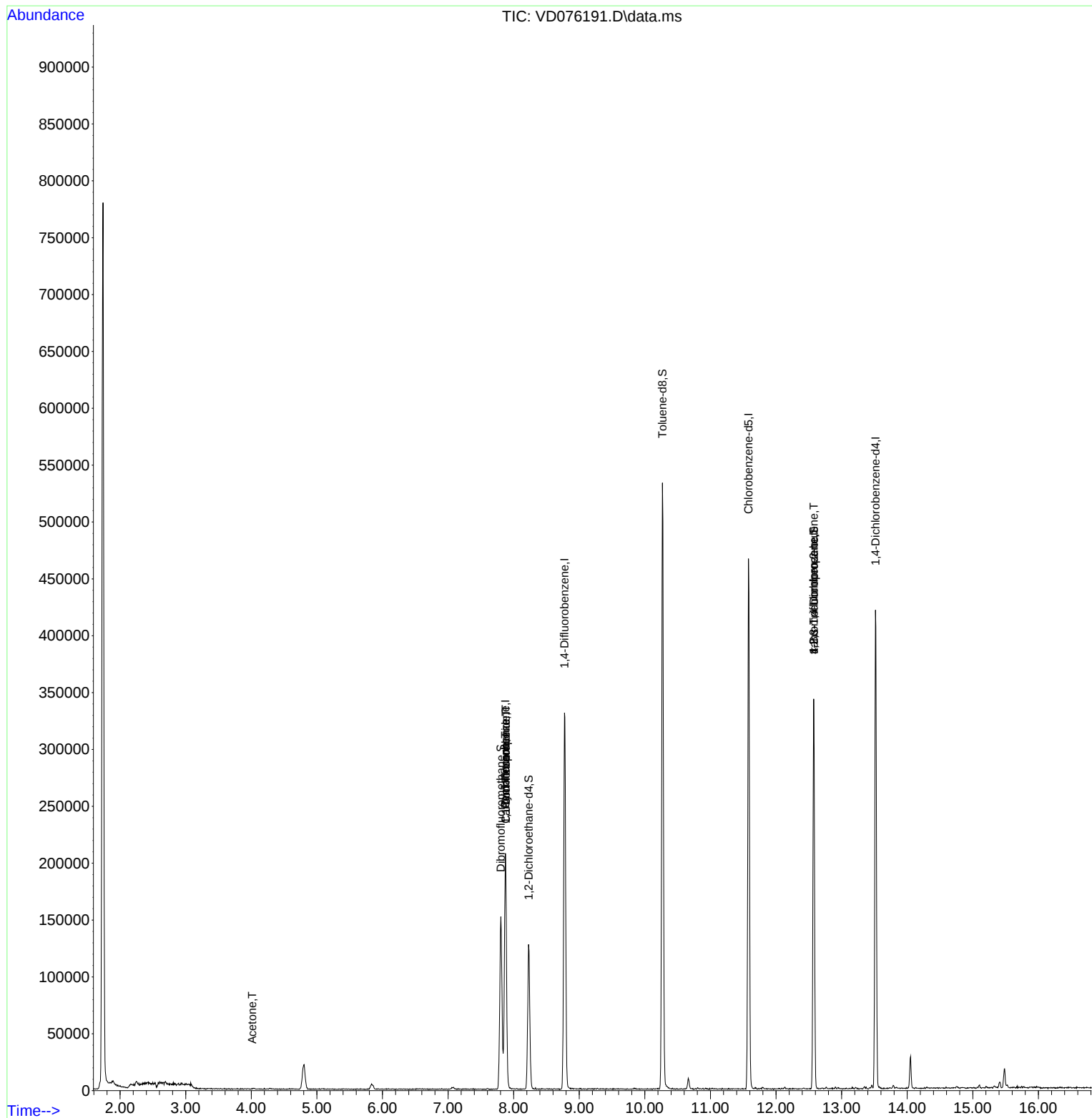
Internal Standards						
1) Pentafluorobenzene	7.875	168	166352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	324013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	290275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	120255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96581	60.072	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.140%
35) Dibromofluoromethane	7.804	113	110648	49.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.269	98	390129	44.685	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.575	95	98169	40.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	705	Below Cal	#	40
16) Acetone	4.016	43	399	1.247	ug/l #	44
17) Carbon Disulfide	4.275	76	100	Below Cal	#	73
20) Methylene Chloride	4.793	84	18434	Below Cal	#	72
31) Cyclohexane	7.875	56	3620	1.470	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	12240	4.047	ug/l #	46
38) Carbon Tetrachloride	7.881	117	15854	5.803	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	49119	46.676	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	49119	97.919	ug/l #	5

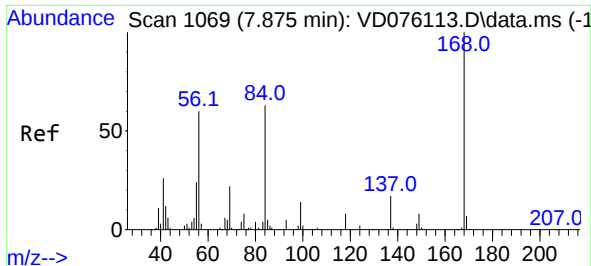
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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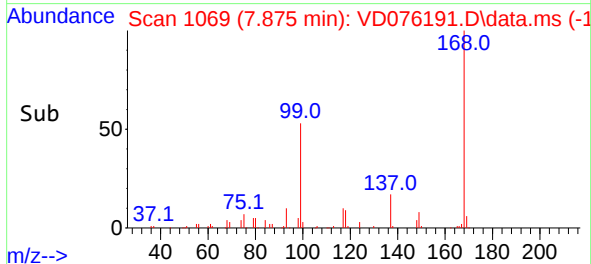
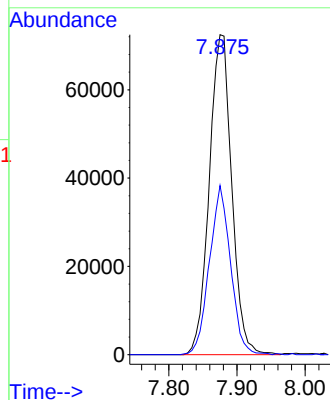
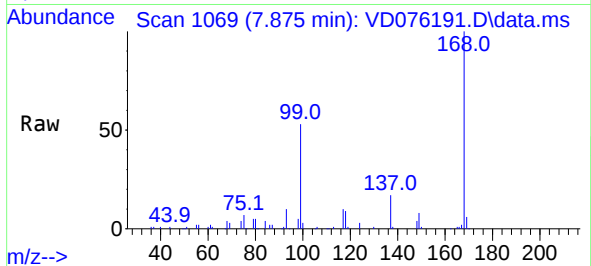




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

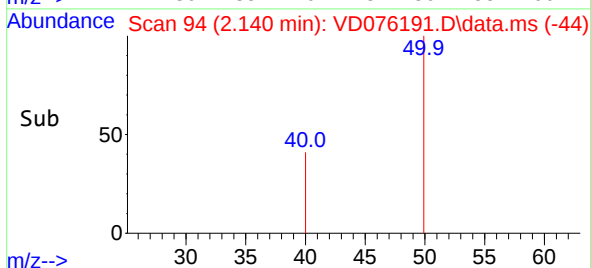
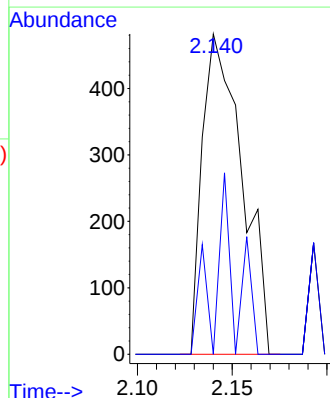
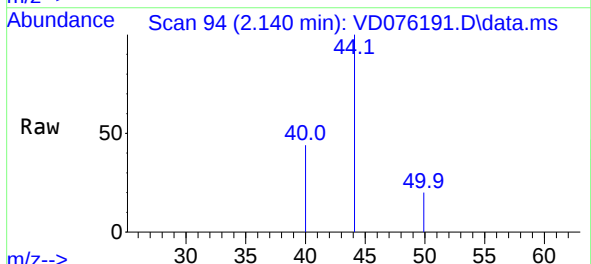
Instrument :
MSVOA_D
ClientSampleId :
SU-3-051723

Tgt Ion:168 Resp: 166352
Ion Ratio Lower Upper
168 100
99 52.8 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

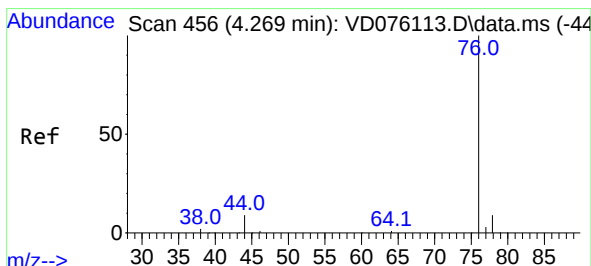
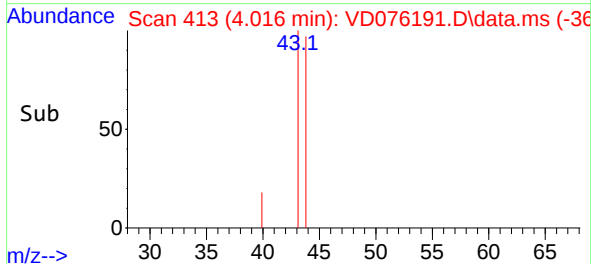
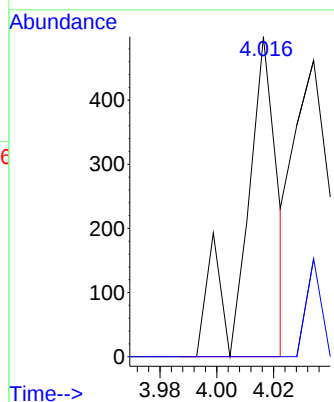
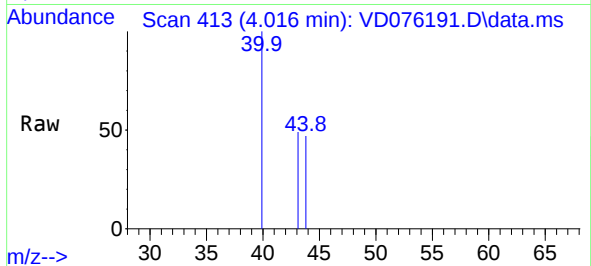




#16
Acetone
Concen: 1.247 ug/l
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

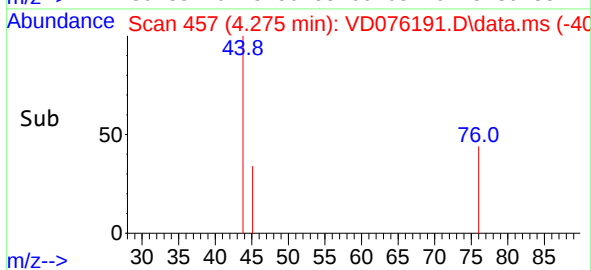
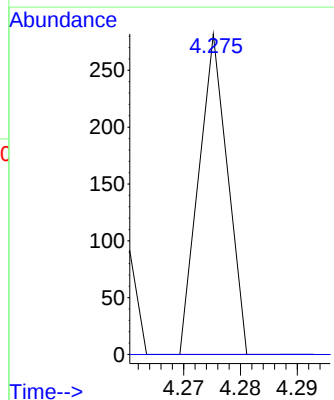
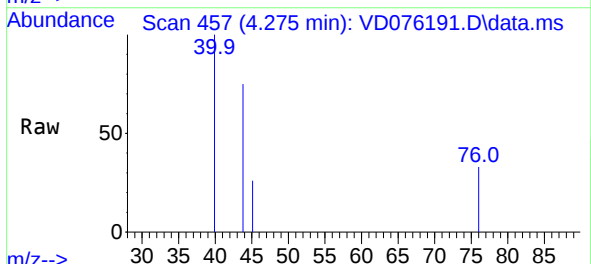
Instrument :
MSVOA_D
ClientSampleId :
SU-3-051723

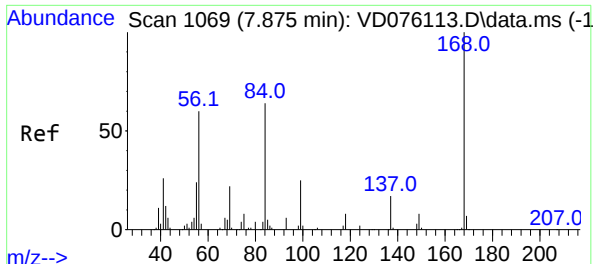
Tgt Ion: 43 Resp: 399
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

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





#31

Cyclohexane

Concen: 1.470 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076191.D

Acq: 23 May 2023 13:04

Instrument :

MSVOA_D

ClientSampleId :

SU-3-051723

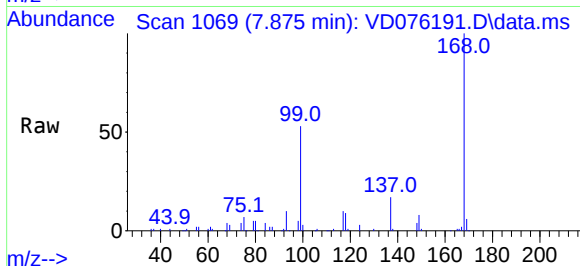
Tgt Ion: 56 Resp: 3620

Ion Ratio Lower Upper

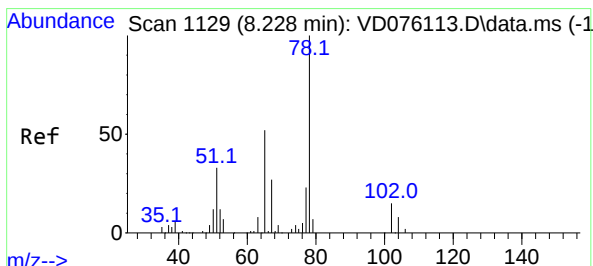
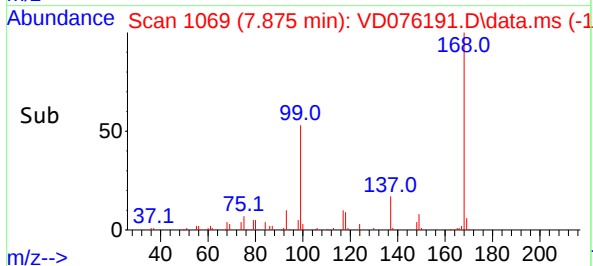
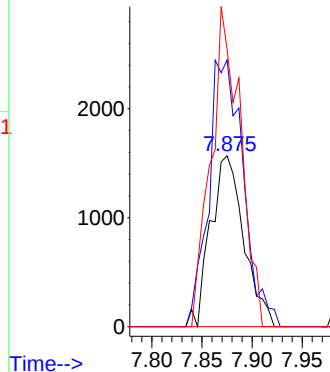
56 100

69 156.1 25.5 38.3#

84 162.4 69.6 104.4#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 60.072 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076191.D

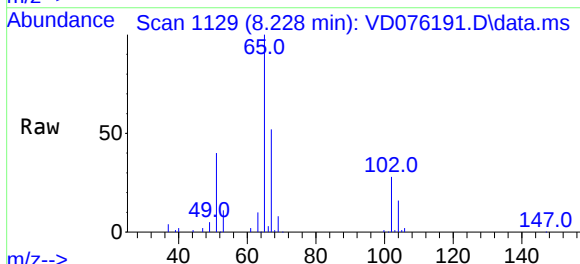
Acq: 23 May 2023 13:04

Tgt Ion: 65 Resp: 96581

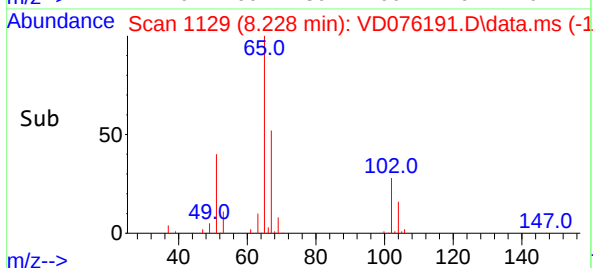
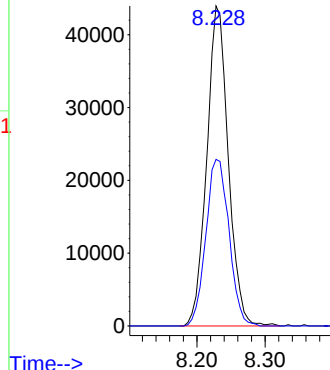
Ion Ratio Lower Upper

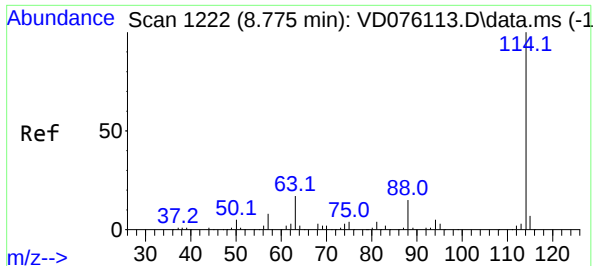
65 100

67 55.9 0.0 102.2



Abundance

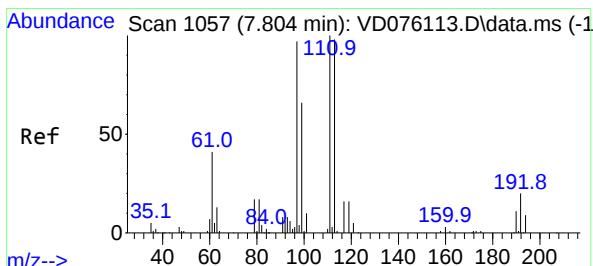
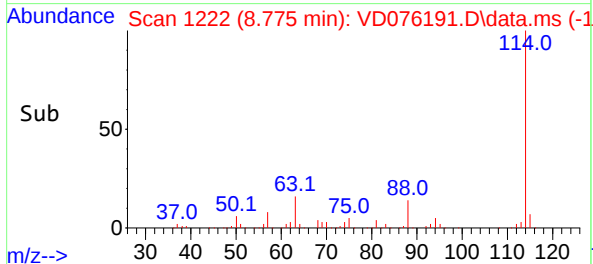
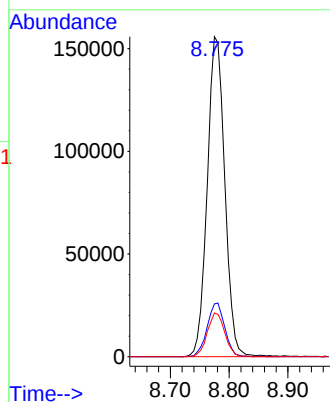
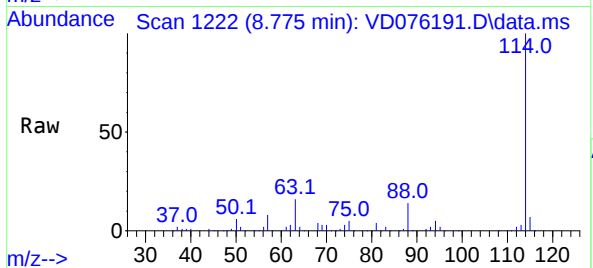




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

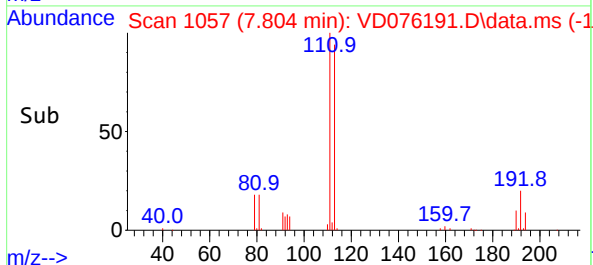
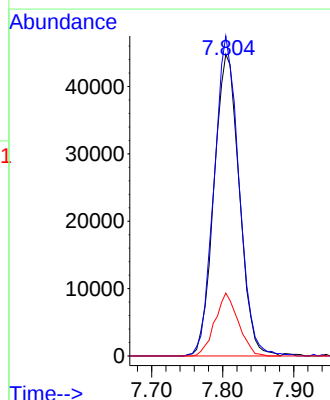
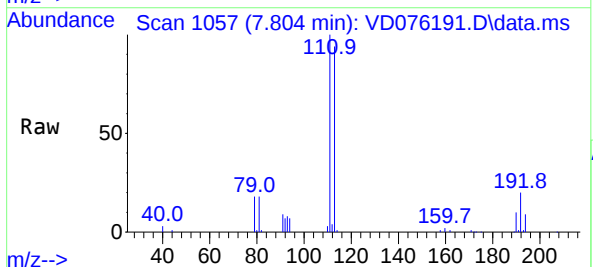
Instrument :
MSVOA_D
ClientSampleId :
SU-3-051723

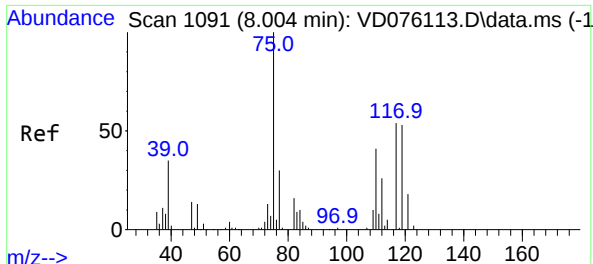
Tgt Ion:114 Resp: 324013
Ion Ratio Lower Upper
114 100
63 16.5 0.0 41.6
88 13.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.404 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

Tgt Ion:113 Resp: 110648
Ion Ratio Lower Upper
113 100
111 104.3 81.4 122.0
192 19.2 15.2 22.8

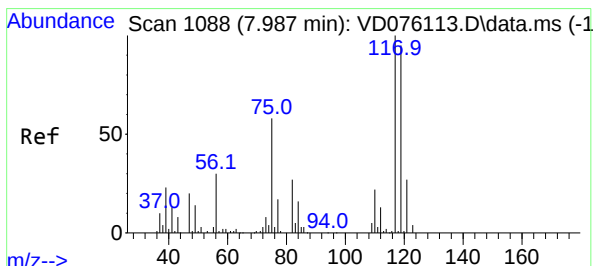
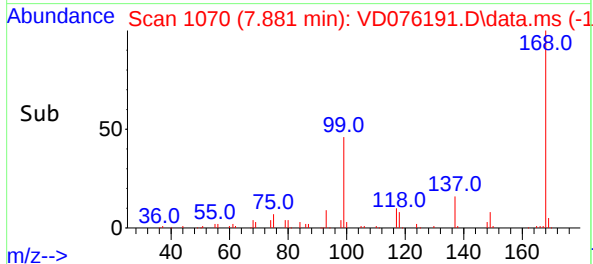
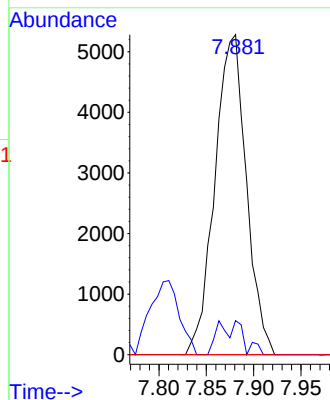
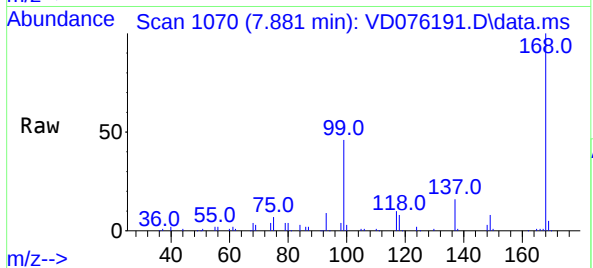




#36
1,1-Dichloropropene
Concen: 4.047 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

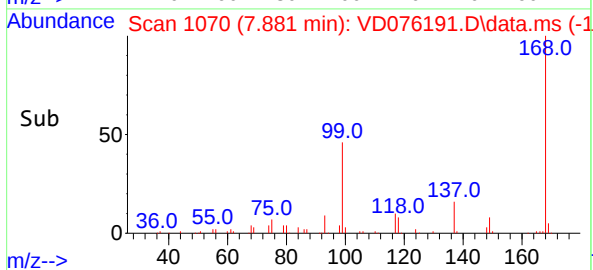
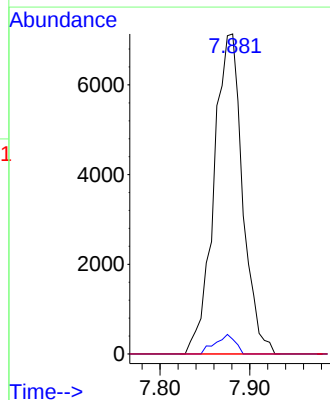
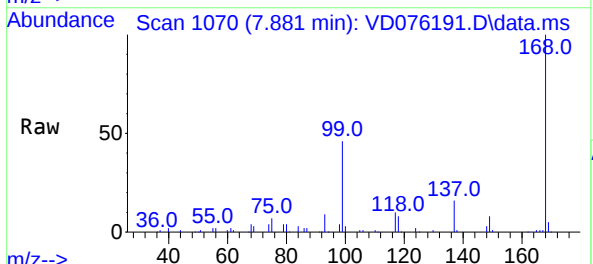
Instrument :
MSVOA_D
ClientSampleId :
SU-3-051723

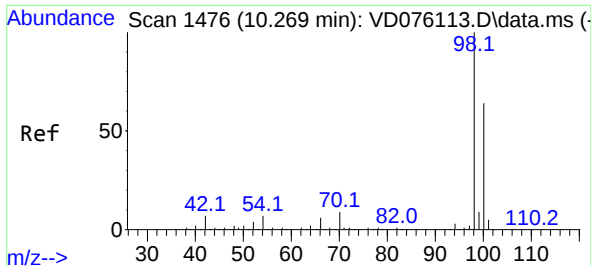
Tgt Ion: 75 Resp: 12240
Ion Ratio Lower Upper
75 100
110 4.3 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

Tgt Ion: 117 Resp: 15854
Ion Ratio Lower Upper
117 100
119 4.6 74.7 112.1#
121 0.0 25.9 38.9#

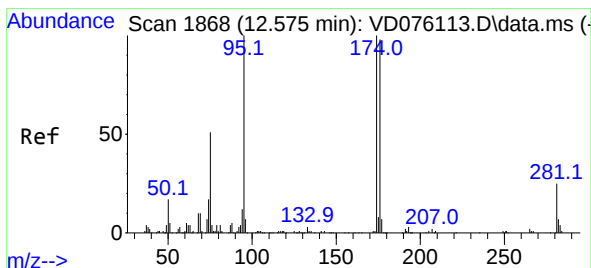
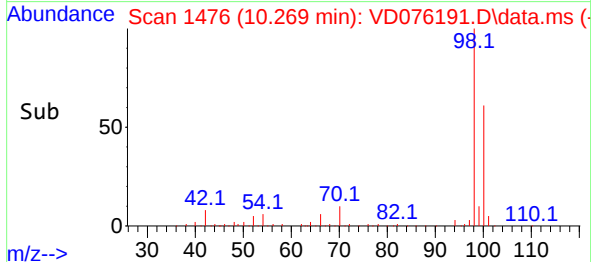
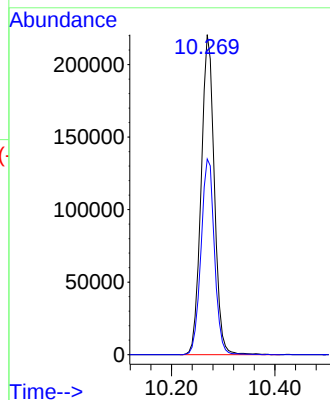
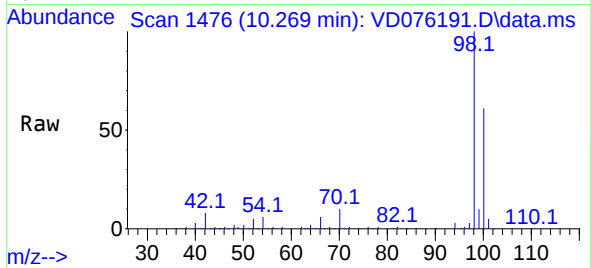




#50
Toluene-d8
Concen: 44.685 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

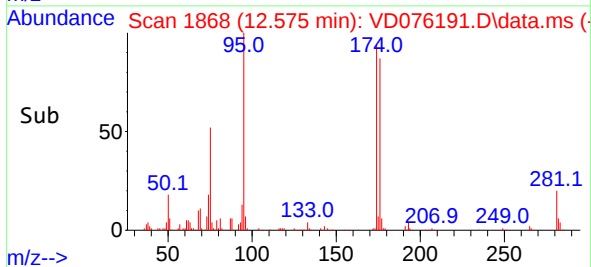
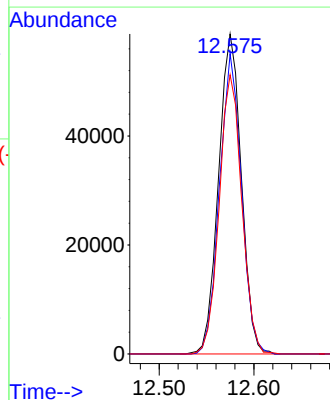
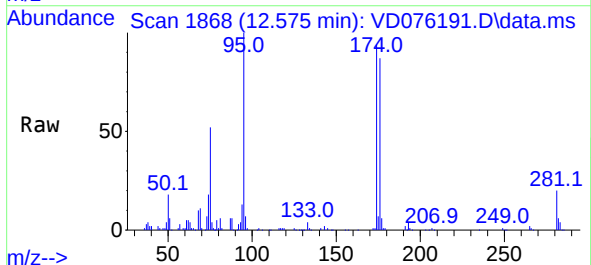
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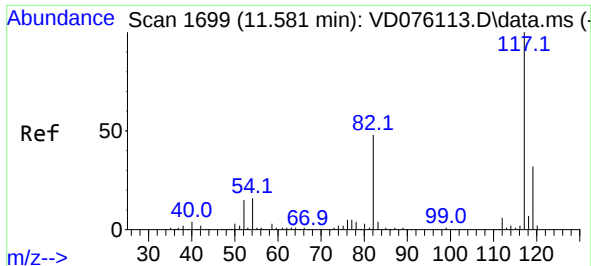
Tgt Ion: 98 Resp: 390129
Ion Ratio Lower Upper
98 100
100 62.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.478 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

Tgt Ion: 95 Resp: 98169
Ion Ratio Lower Upper
95 100
174 90.3 0.0 164.0
176 86.3 0.0 156.8

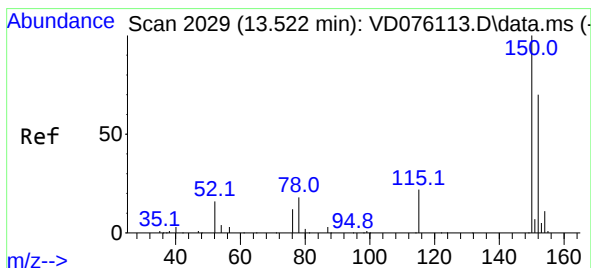
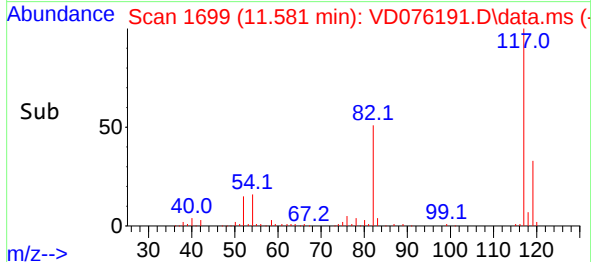
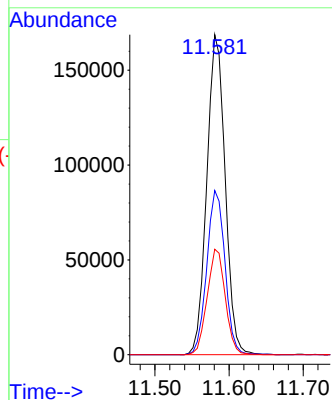
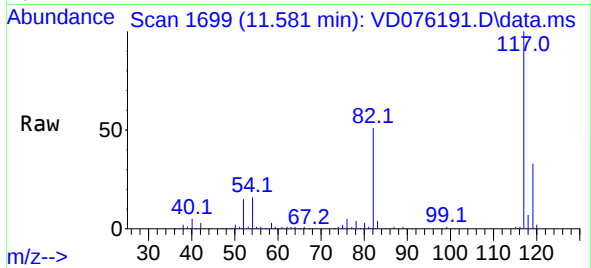




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

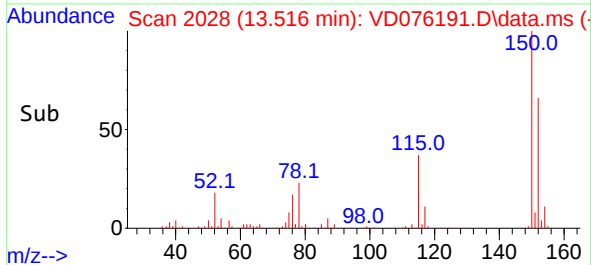
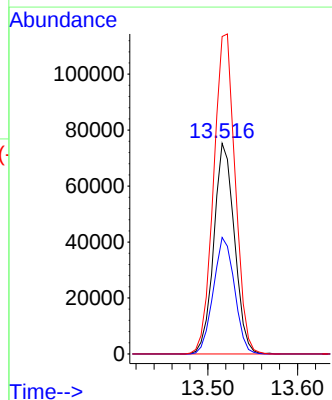
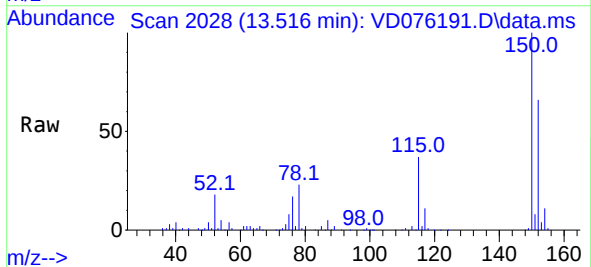
Instrument :
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SU-3-051723

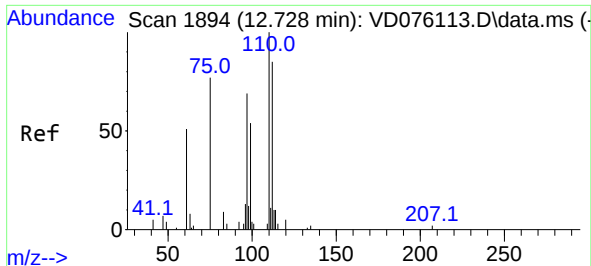
Tgt Ion:117 Resp: 290275
Ion Ratio Lower Upper
117 100
82 51.3 44.0 66.0
119 32.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

Tgt Ion:152 Resp: 120255
Ion Ratio Lower Upper
152 100
115 56.7 30.1 90.3
150 158.9 0.0 364.8

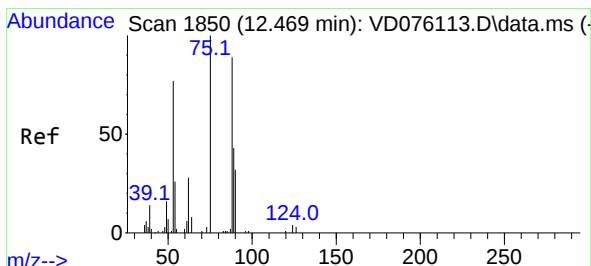
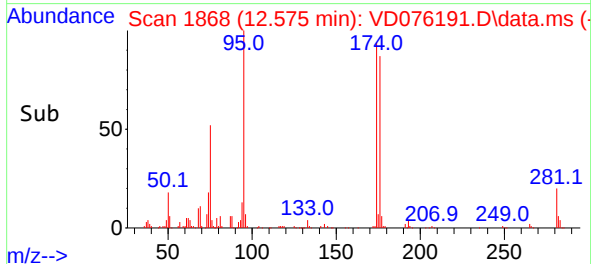
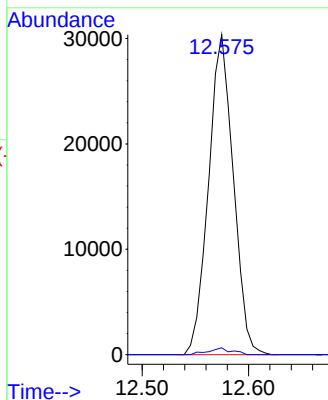
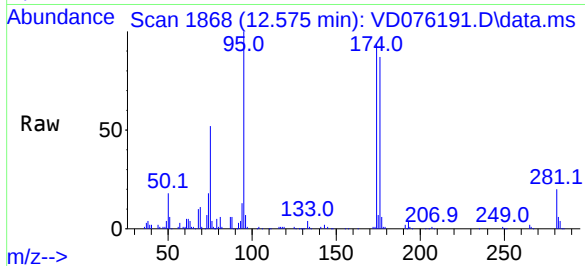




#76
1,2,3-Trichloropropane
Concen: 46.676 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

Instrument :
MSVOA_D
ClientSampleId :
SU-3-051723

Tgt Ion: 75 Resp: 49119
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.919 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076191.D
Acq: 23 May 2023 13:04

Tgt Ion: 75 Resp: 49119
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.4 40.2 60.4#

