

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074430.D
 Acq On : 26 Sep 2022 20:27
 Operator : VA/SY
 Sample : N4764-10
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 R2

Quant Time: Sep 27 04:11:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:19:14 2022
 Response via : Initial Calibration

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

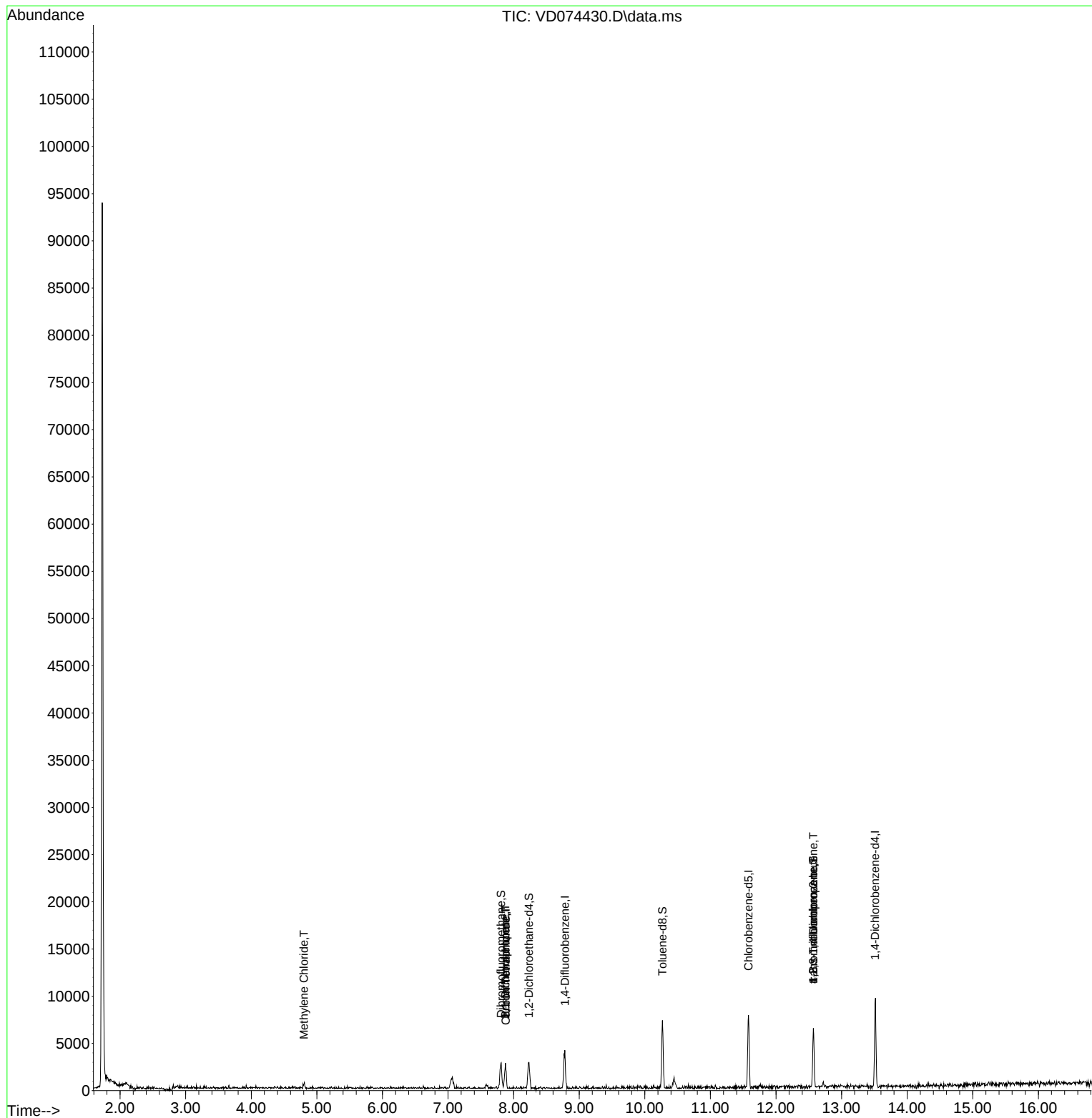
Internal Standards						
1) Pentafluorobenzene	7.875	168	2472	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	4937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	5838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	2988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	2634	123.764	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	247.520%#
35) Dibromofluoromethane	7.810	113	2155	65.925	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	131.860%
50) Toluene-d8	10.269	98	5845	52.060	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.120%
62) 4-Bromofluorobenzene	12.569	95	2418	63.262	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	126.520%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	336	4.347	ug/l #	58
36) 1,1-Dichloropropene	7.875	75	53	1.182	ug/l #	39
38) Carbon Tetrachloride	7.881	117	172	4.009	ug/l #	14
76) 1,2,3-Trichloropropane	12.569	75	1285	54.984	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	1285	134.173	ug/l #	17

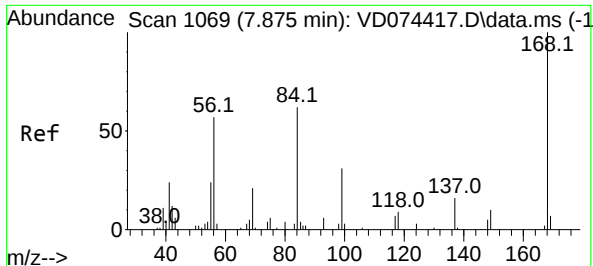
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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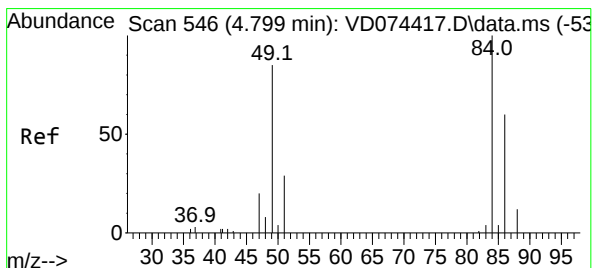
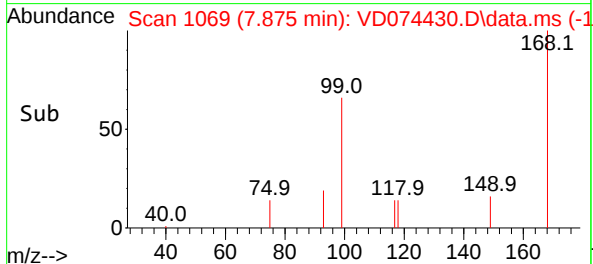
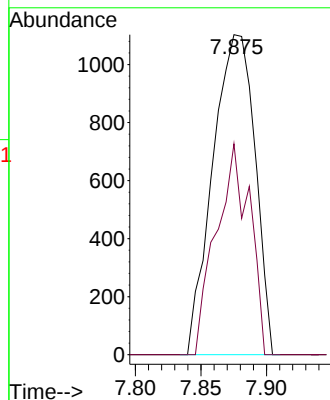
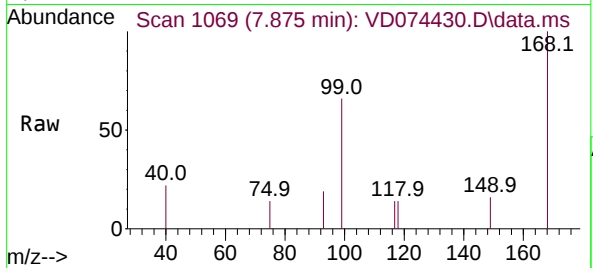




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074430.D
Acq: 26 Sep 2022 20:27

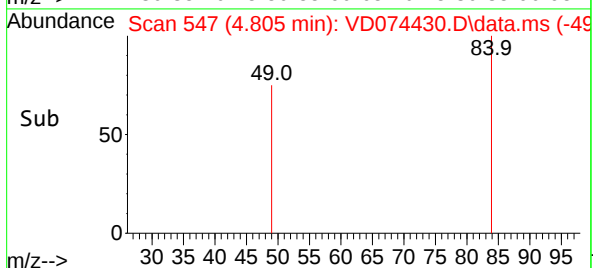
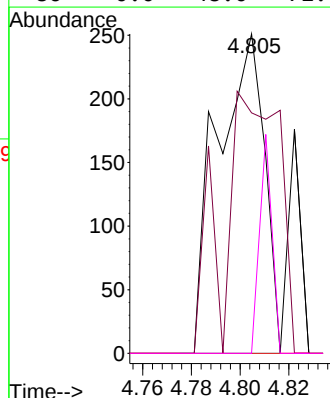
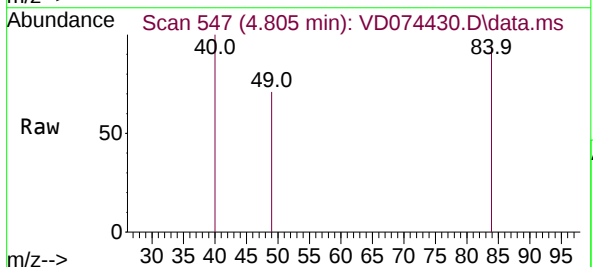
Instrument :
MSVOA_D
ClientSampleId :
R2

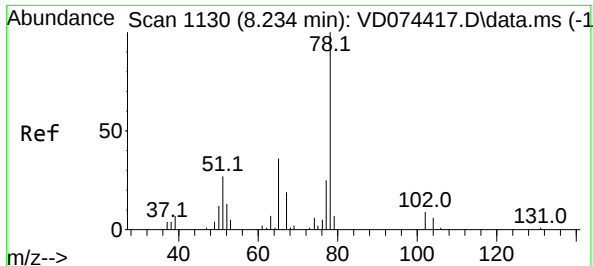
Tgt Ion:168 Resp: 2472
Ion Ratio Lower Upper
168 100
99 65.9 40.9 61.3#



#20
Methylene Chloride
Concen: 4.347 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074430.D
Acq: 26 Sep 2022 20:27

Tgt Ion: 84 Resp: 336
Ion Ratio Lower Upper
84 100
49 75.3 68.0 102.0
51 0.0 23.2 34.8#
86 0.0 48.0 72.0#





#33

1,2-Dichloroethane-d4

Concen: 123.764 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD074430.D

Acq: 26 Sep 2022 20:27

Instrument :

MSVOA_D

ClientSampleId :

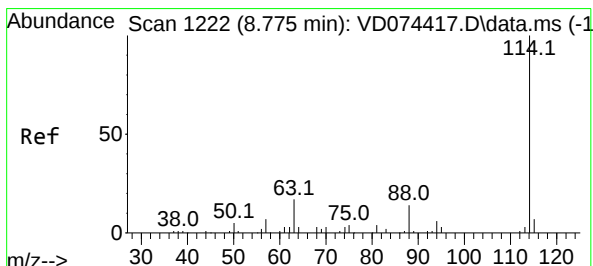
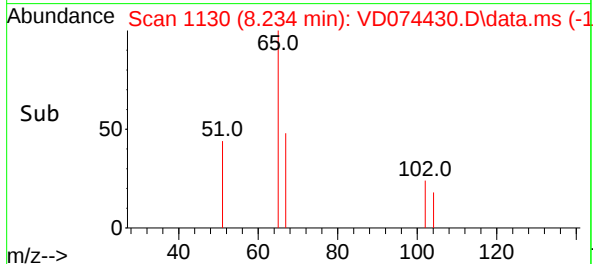
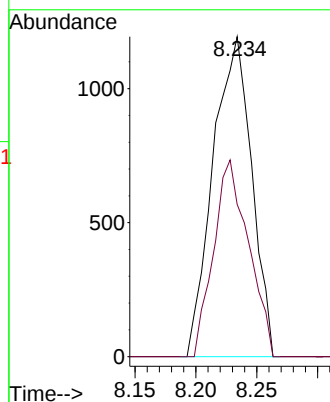
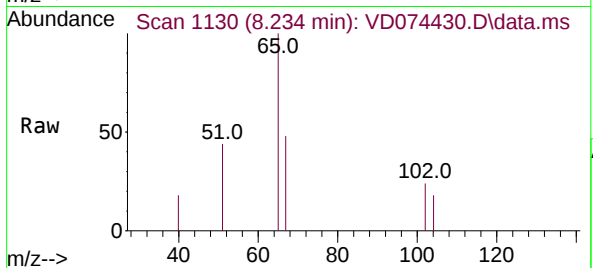
R2

Tgt Ion: 65 Resp: 2634

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074430.D

Acq: 26 Sep 2022 20:27

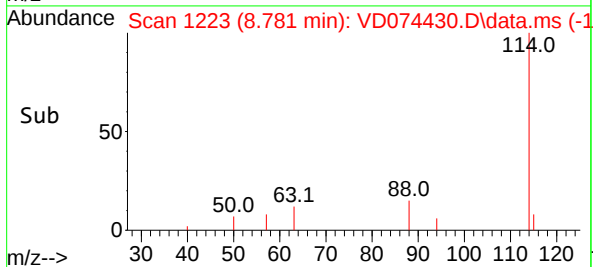
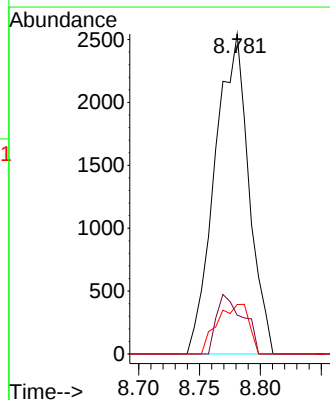
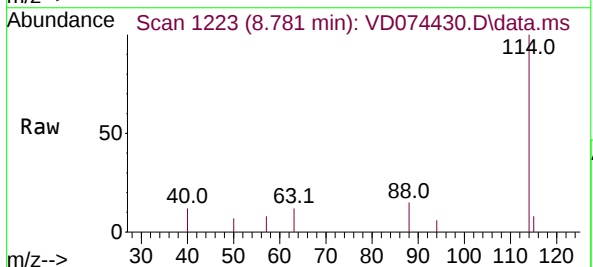
Tgt Ion: 114 Resp: 4937

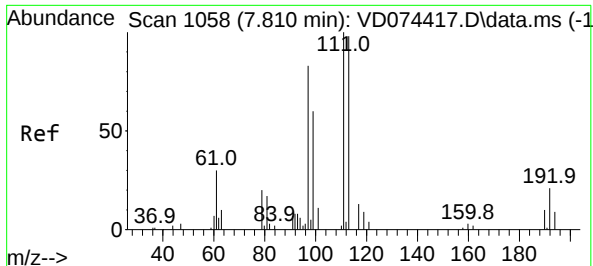
Ion Ratio Lower Upper

114 100

63 12.2 0.0 33.2

88 15.4 0.0 28.2





#35

Dibromofluoromethane

Concen: 65.925 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD074430.D

Acq: 26 Sep 2022 20:27

Instrument :

MSVOA_D

ClientSampleId :

R2

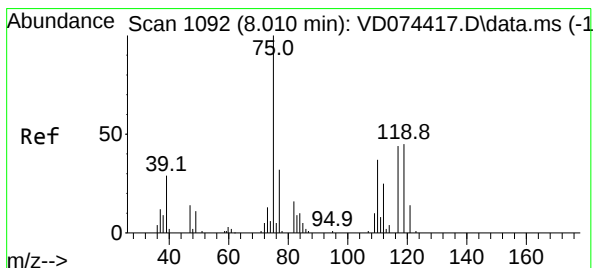
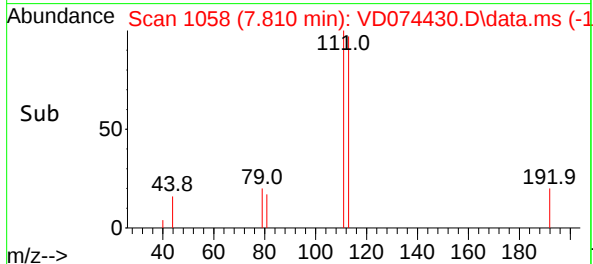
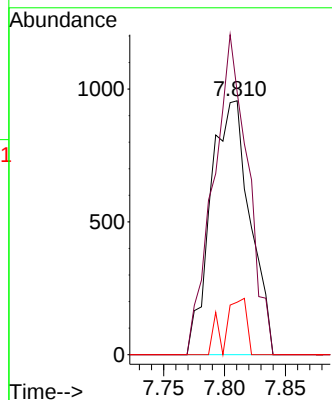
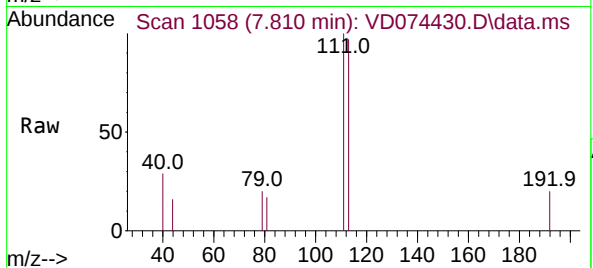
Tgt Ion:113 Resp: 2155

Ion Ratio Lower Upper

113 100

111 110.3 82.3 123.5

192 12.4 16.4 24.6#



#36

1,1-Dichloropropene

Concen: 1.182 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD074430.D

Acq: 26 Sep 2022 20:27

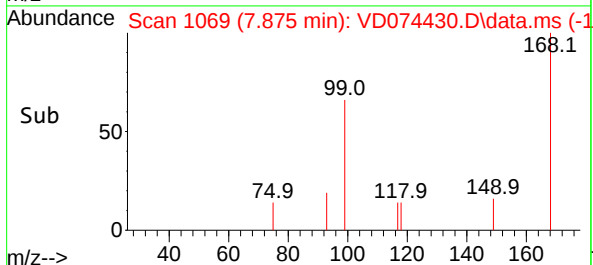
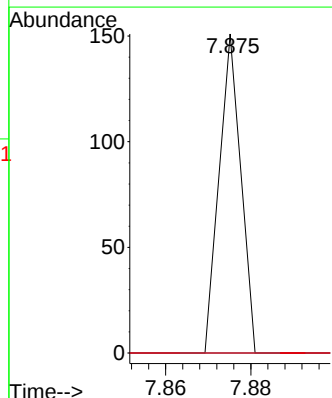
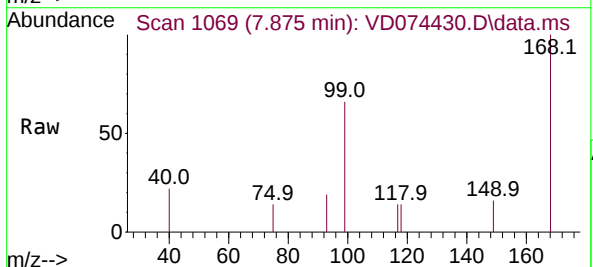
Tgt Ion: 75 Resp: 53

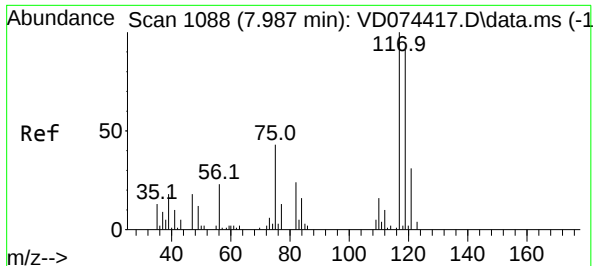
Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

77 0.0 25.4 38.2#

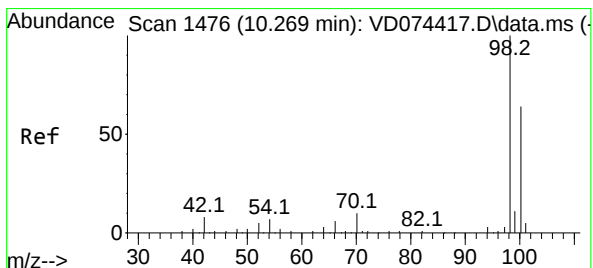
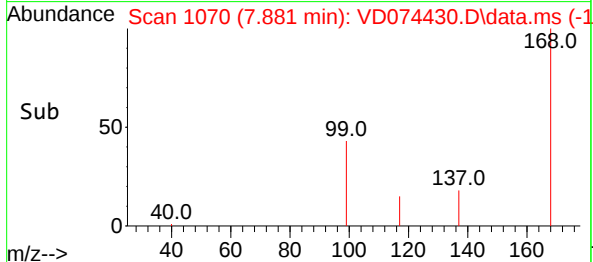
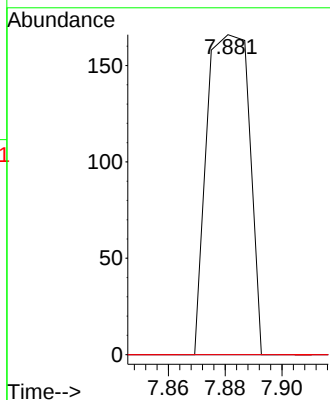
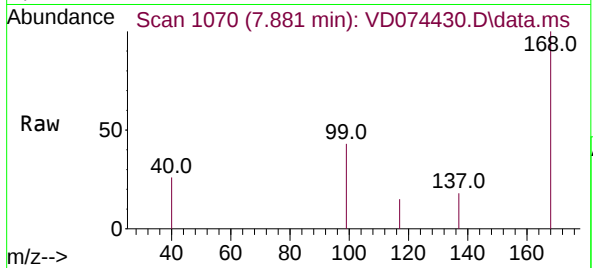




#38
Carbon Tetrachloride
Concen: 4.009 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD074430.D
Acq: 26 Sep 2022 20:27

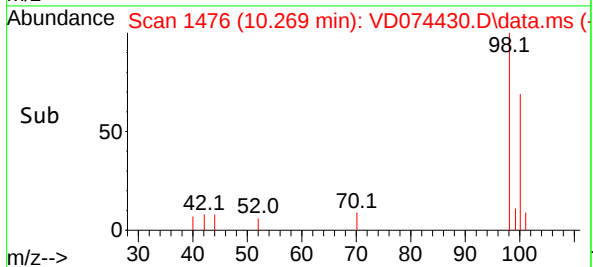
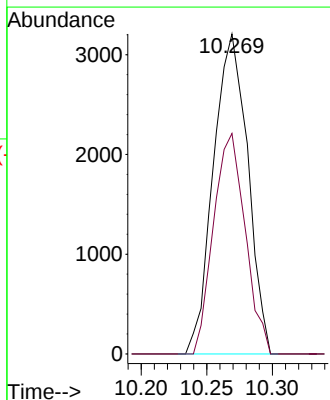
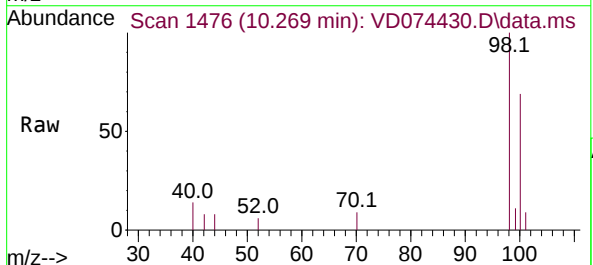
Instrument :
MSVOA_D
ClientSampleId :
R2

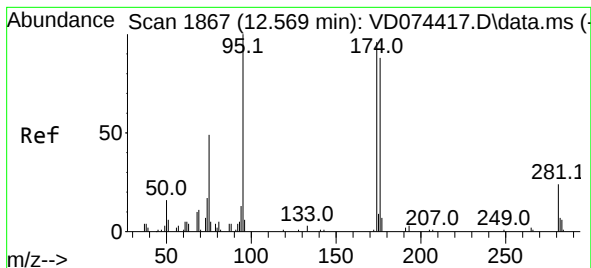
Tgt Ion:117 Resp: 172
Ion Ratio Lower Upper
117 100
119 0.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.060 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074430.D
Acq: 26 Sep 2022 20:27

Tgt Ion: 98 Resp: 5845
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0

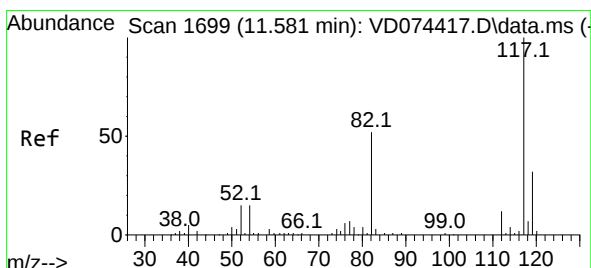
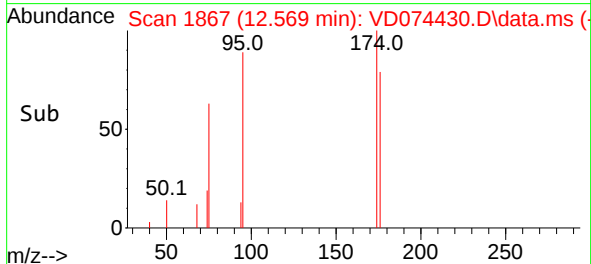
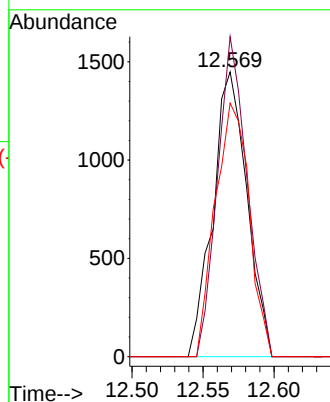
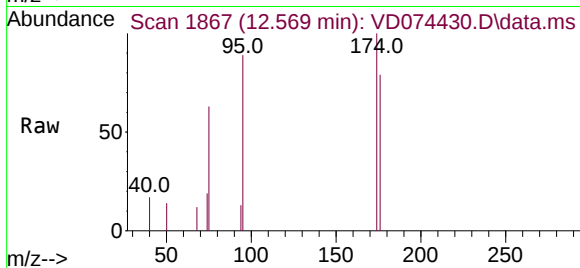




#62
4-Bromofluorobenzene
Concen: 63.262 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074430.D
Acq: 26 Sep 2022 20:27

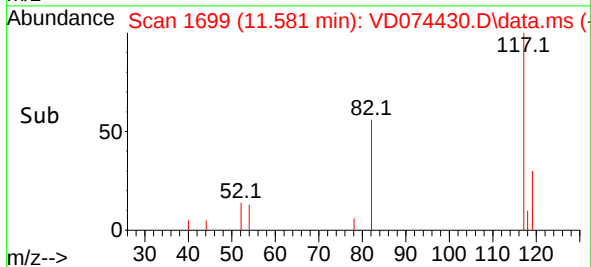
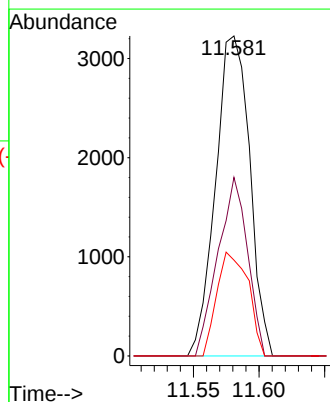
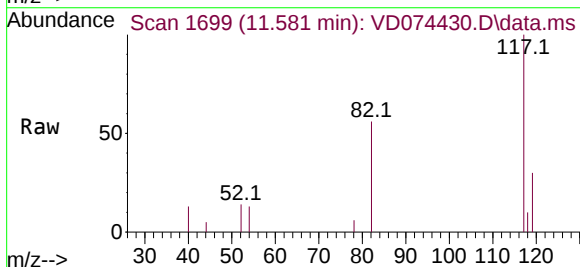
Instrument :
MSVOA_D
ClientSampleId :
R2

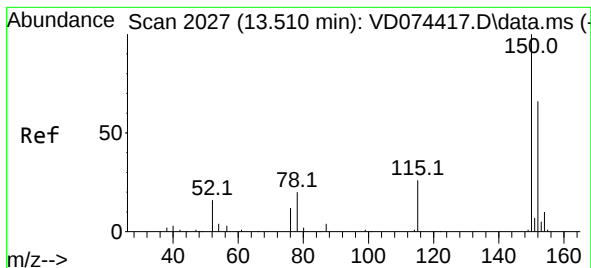
Tgt Ion:	95	Resp:	2418
Ion	Ratio	Lower	Upper
95	100		
174	98.1	0.0	197.0
176	88.6	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074430.D
Acq: 26 Sep 2022 20:27

Tgt Ion:	117	Resp:	5838
Ion	Ratio	Lower	Upper
117	100		
82	55.8	41.6	62.4
119	29.9	25.2	37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD074430.D

Acq: 26 Sep 2022 20:27

Instrument :

MSVOA_D

ClientSampleId :

R2

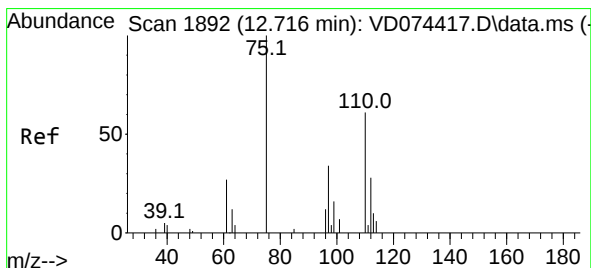
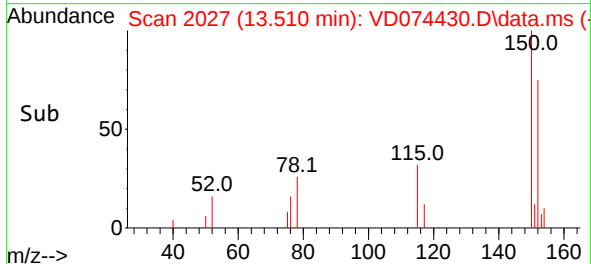
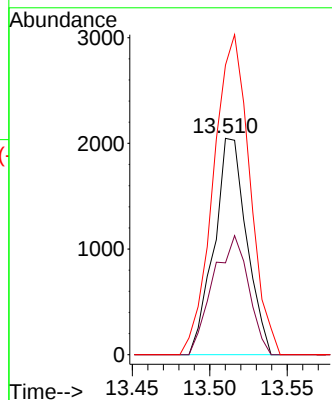
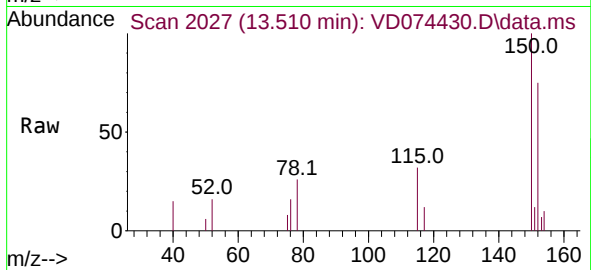
Tgt Ion:152 Resp: 2988

Ion Ratio Lower Upper

152 100

115 59.9 26.8 80.4

150 164.7 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 54.984 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.147 min

Lab File: VD074430.D

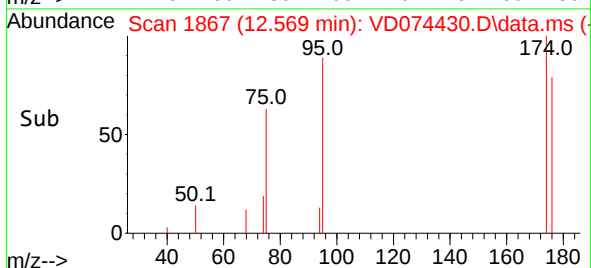
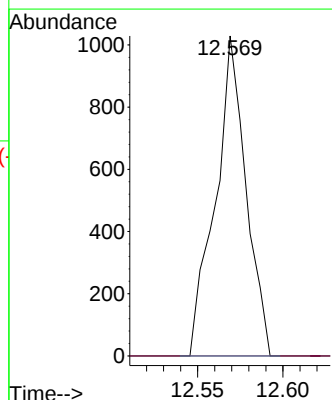
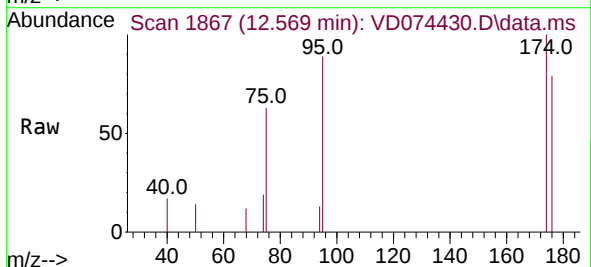
Acq: 26 Sep 2022 20:27

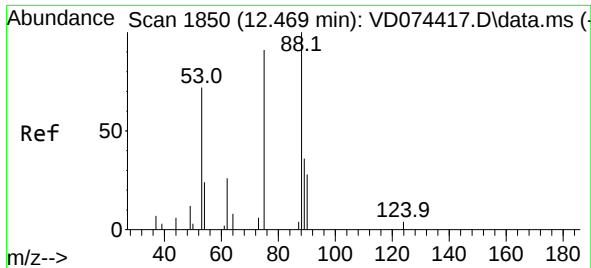
Tgt Ion: 75 Resp: 1285

Ion Ratio Lower Upper

75 100

77 0.0 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.173 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074430.D
 Acq: 26 Sep 2022 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 R2

Tgt Ion: 75 Resp: 1285
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

