

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070224\
 Data File : VD079316.D
 Acq On : 02 Jul 2024 13:57
 Operator : RP/MD
 Sample : P3111-02
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOCRE

Quant Time: Jul 03 01:22:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 06:28:31 2024
 Response via : Initial Calibration

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

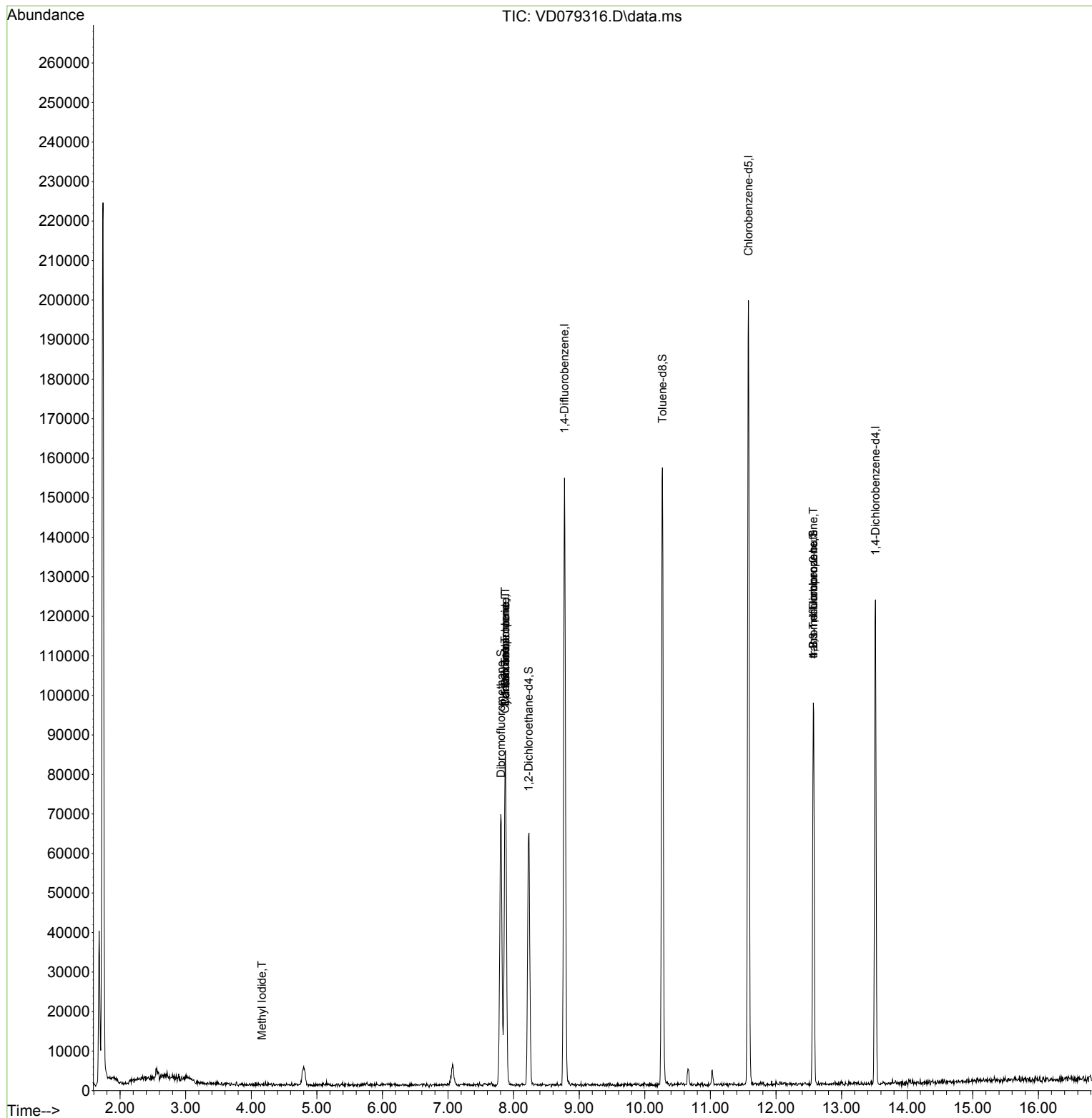
Internal Standards						
1) Pentafluorobenzene	7.875	168	60654	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	132082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	116696	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	32584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	51876	90.799	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	181.600%#
35) Dibromofluoromethane	7.811	113	50413	58.148	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.300%
50) Toluene-d8	10.269	98	116320	37.294	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.580%
62) 4-Bromofluorobenzene	12.569	95	33822	33.817	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.640%
Target Compounds						
					Qvalue	
5) Bromomethane	2.705	94	643	Below Cal	#	48
10) Methyl Iodide	4.164	142	74	6.218	ug/l #	51
20) Methylene Chloride	4.799	84	3849	Below Cal		91
31) Cyclohexane	7.869	56	1424	1.104	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	5902	4.382	ug/l #	45
38) Carbon Tetrachloride	7.875	117	6690	4.891	ug/l #	22
76) 1,2,3-Trichloropropane	12.569	75	17219	52.805	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	17219	97.986	ug/l #	19

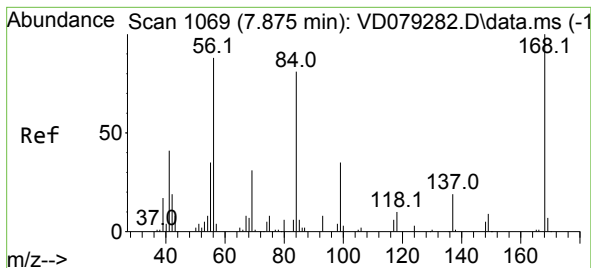
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

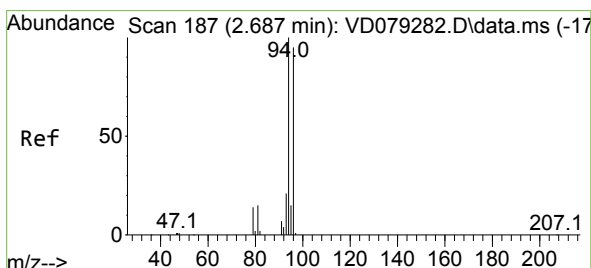
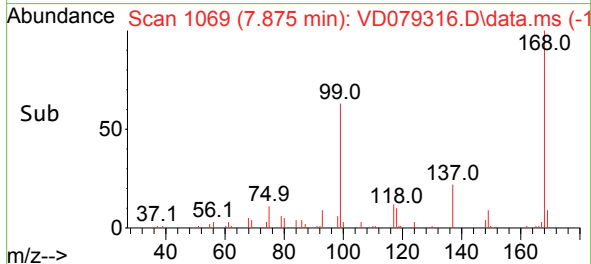
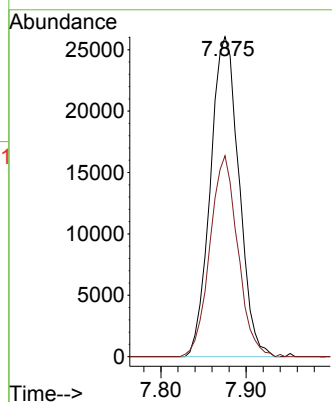
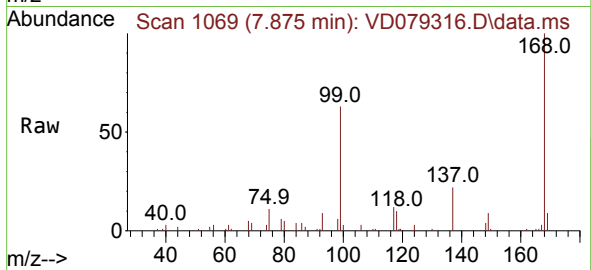




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

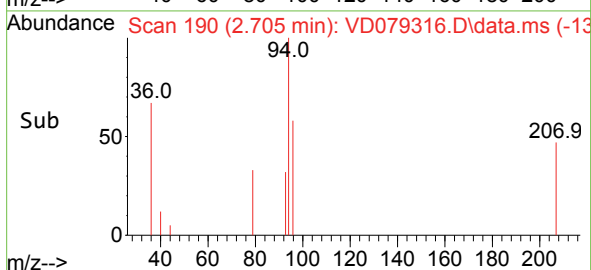
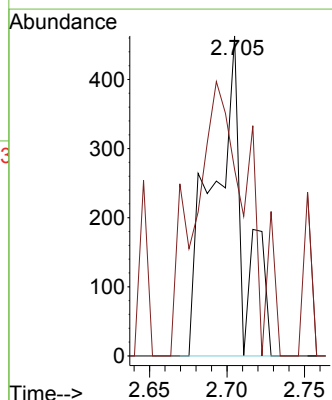
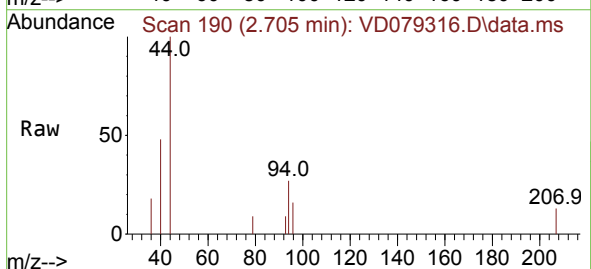
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

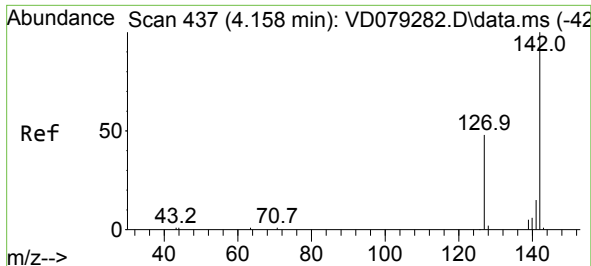
Tgt Ion:168 Resp: 60654
Ion Ratio Lower Upper
168 100
99 62.8 41.1 61.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.047 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

Tgt Ion: 94 Resp: 643
Ion Ratio Lower Upper
94 100
96 147.3 76.9 115.3#

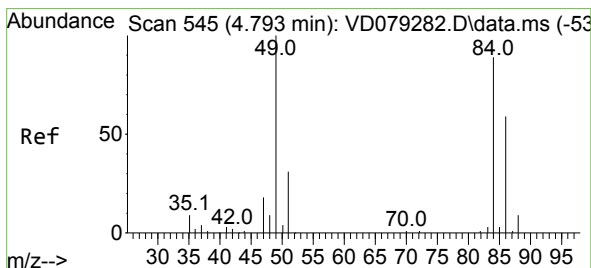
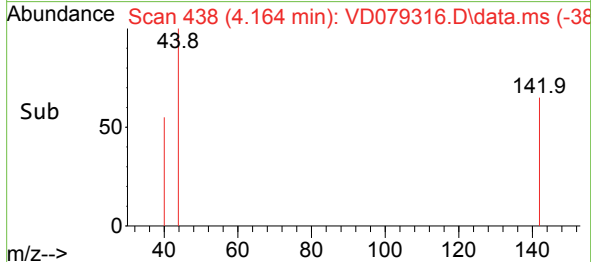
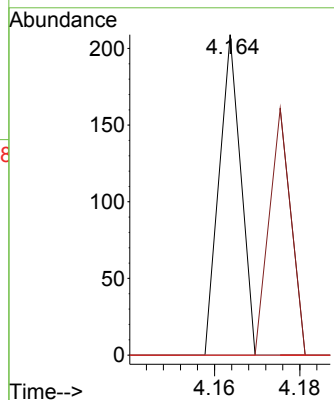
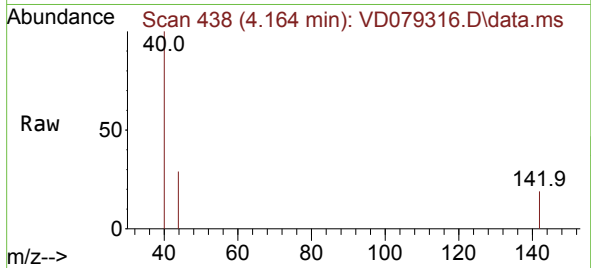




#10
Methyl Iodide
Concen: 6.218 ug/l
RT: 4.164 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

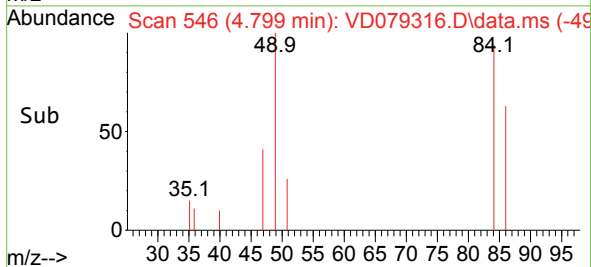
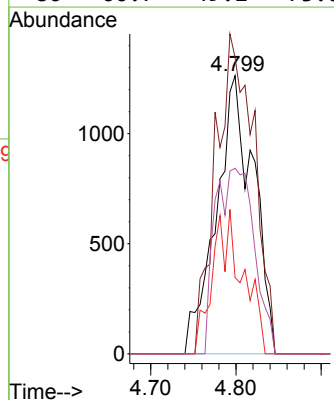
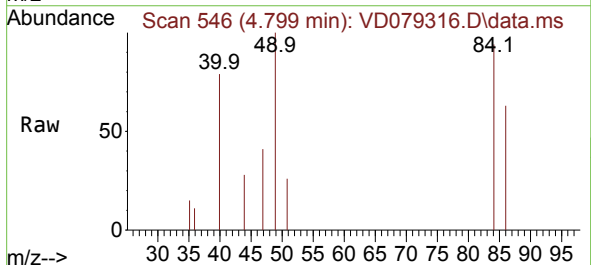
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

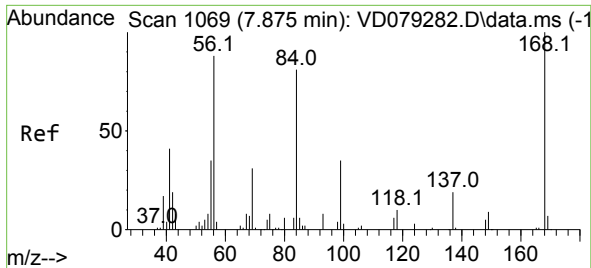
Tgt Ion:142 Resp: 74
Ion Ratio Lower Upper
142 100
127 77.0 34.2 51.4#
141 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

Tgt Ion: 84 Resp: 3849
Ion Ratio Lower Upper
84 100
49 106.6 75.6 113.4
51 27.5 24.2 36.2
86 66.7 49.2 73.8

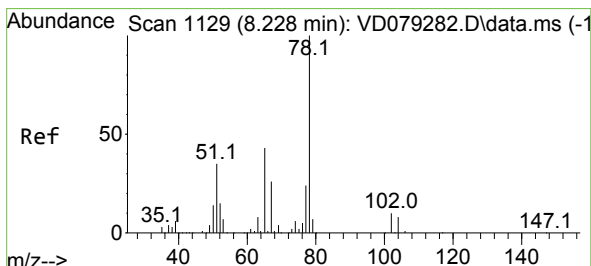
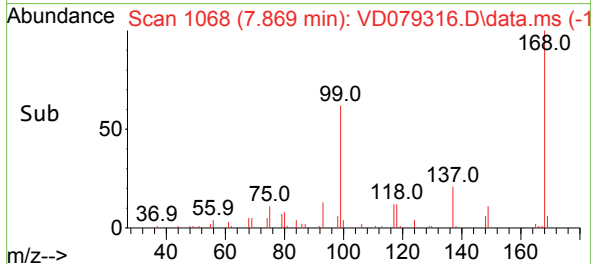
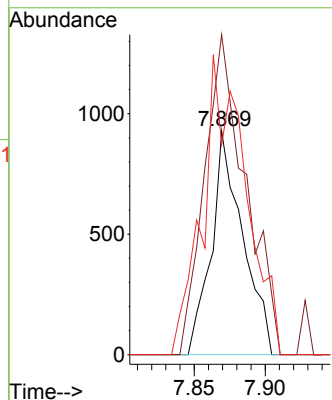
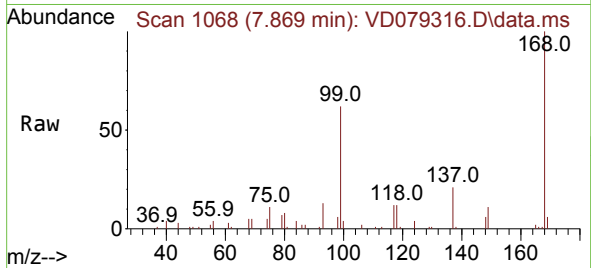




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

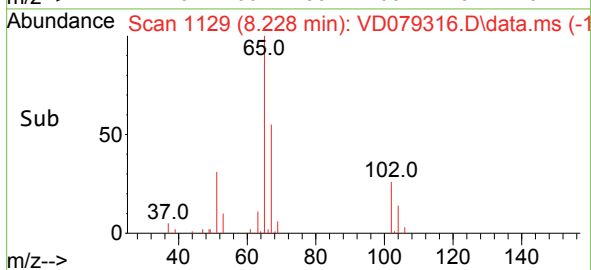
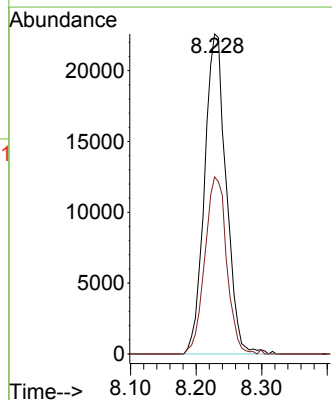
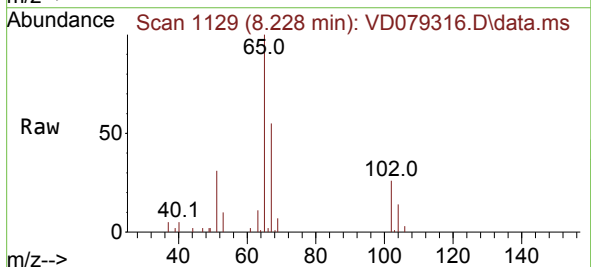
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

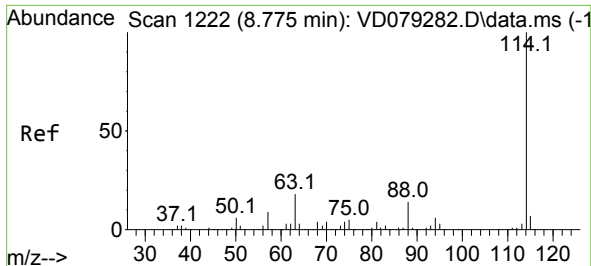
Tgt Ion: 56 Resp: 1424
Ion Ratio Lower Upper
56 100
69 143.1 28.0 42.0#
84 93.9 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 90.799 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

Tgt Ion: 65 Resp: 51876
Ion Ratio Lower Upper
65 100
67 55.6 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD079316.D

Acq: 02 Jul 2024 13:57

Instrument :

MSVOA_D

ClientSampleId :

VOCRE

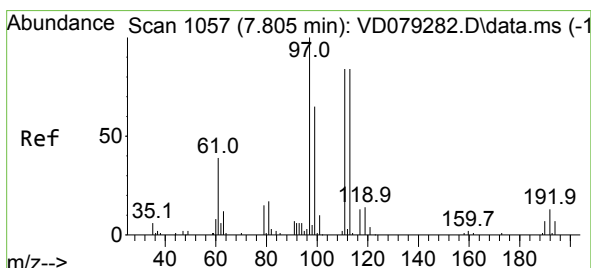
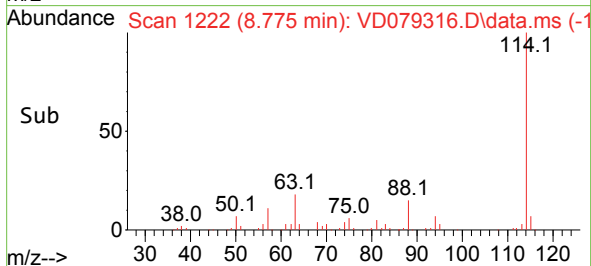
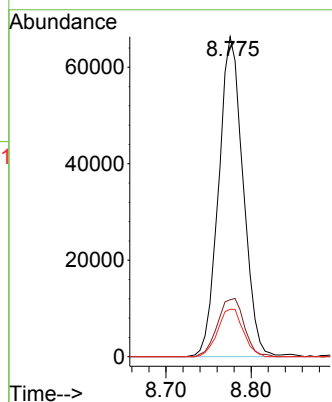
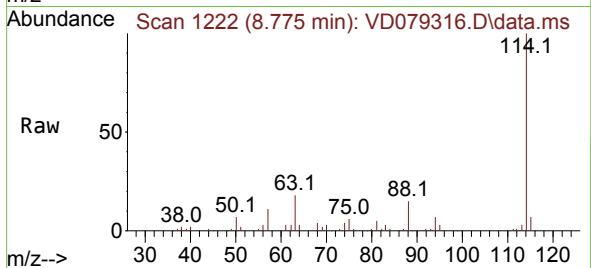
Tgt Ion:114 Resp: 132082

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

88 14.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 58.148 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079316.D

Acq: 02 Jul 2024 13:57

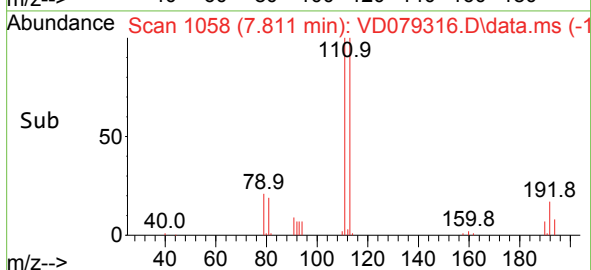
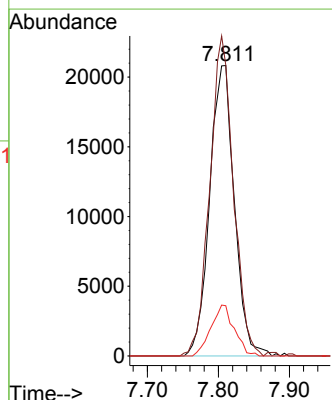
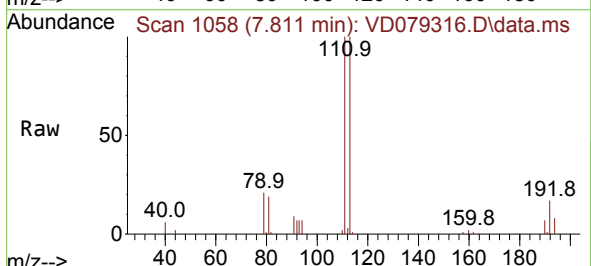
Tgt Ion:113 Resp: 50413

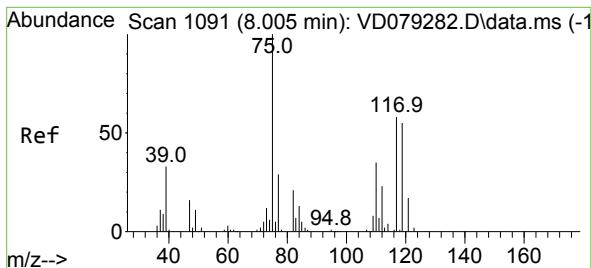
Ion Ratio Lower Upper

113 100

111 105.4 84.0 126.0

192 16.5 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.382 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD079316.D

Acq: 02 Jul 2024 13:57

Instrument :

MSVOA_D

ClientSampleId :

VOCRE

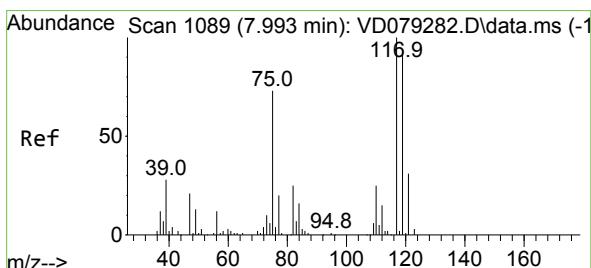
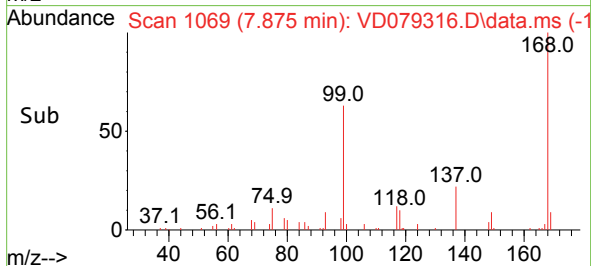
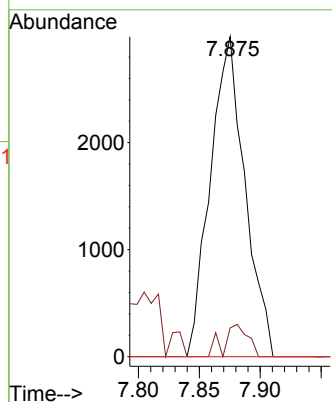
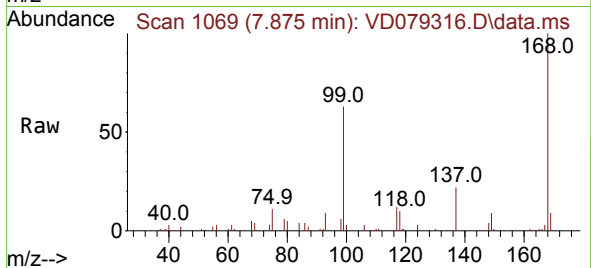
Tgt Ion: 75 Resp: 5902

Ion Ratio Lower Upper

75 100

110 7.0 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.891 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079316.D

Acq: 02 Jul 2024 13:57

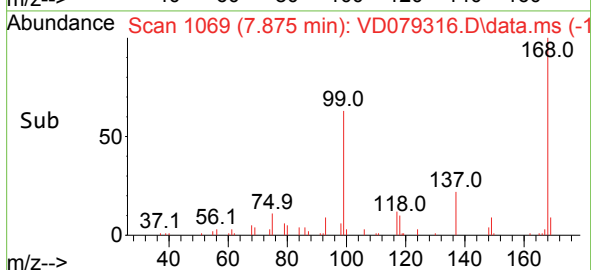
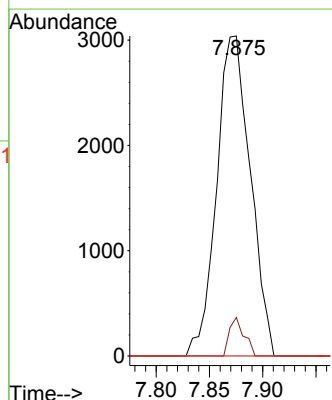
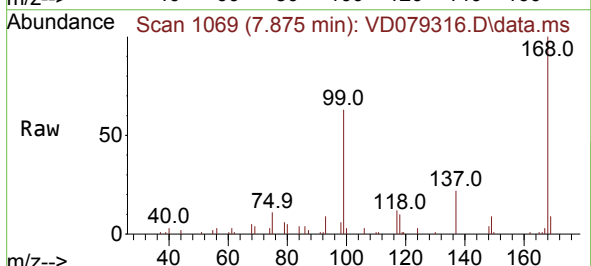
Tgt Ion: 117 Resp: 6690

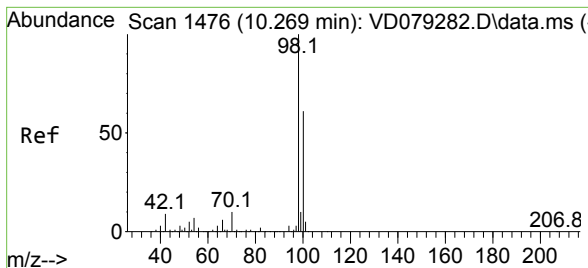
Ion Ratio Lower Upper

117 100

119 12.1 75.4 113.0#

121 0.0 25.0 37.4#

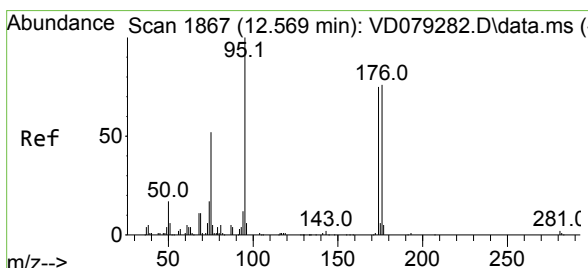
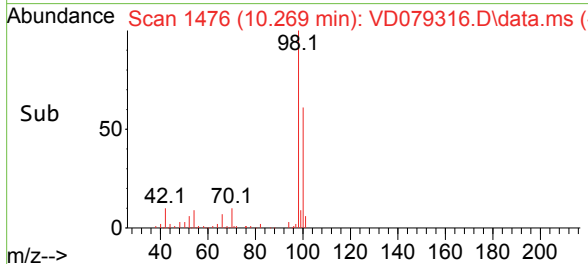
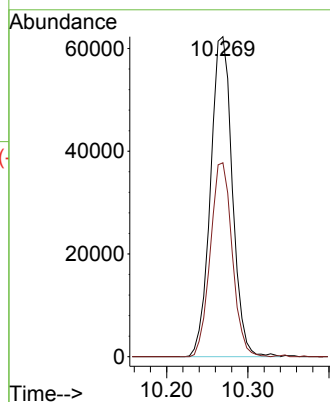
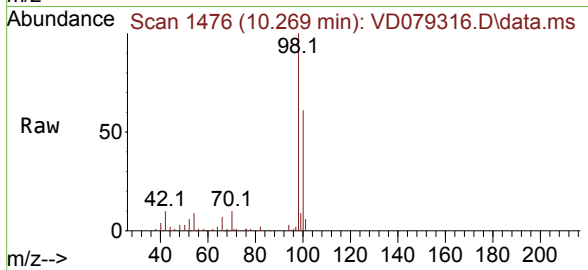




#50
Toluene-d8
Concen: 37.294 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

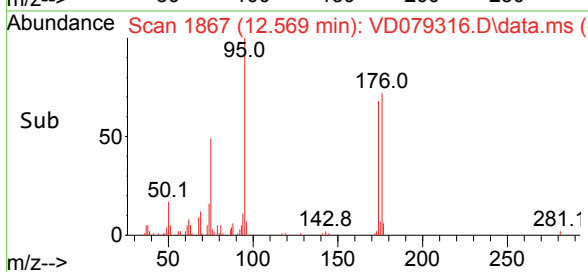
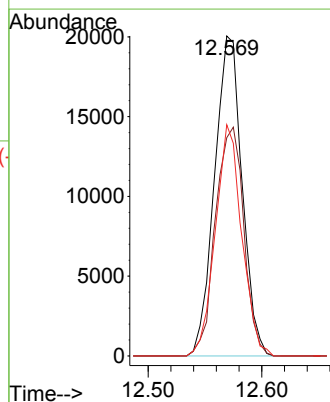
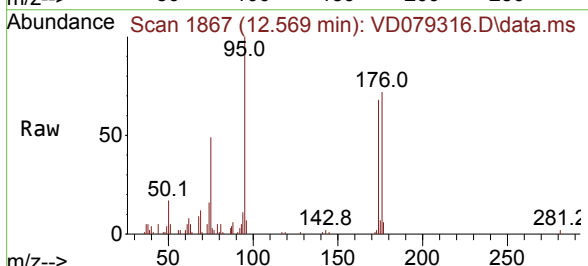
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VOCRE

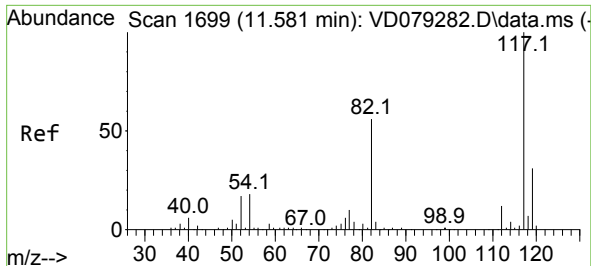
Tgt Ion: 98 Resp: 116320
Ion Ratio Lower Upper
98 100
100 60.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 33.817 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

Tgt Ion: 95 Resp: 33822
Ion Ratio Lower Upper
95 100
174 73.6 0.0 195.4
176 69.2 0.0 192.6

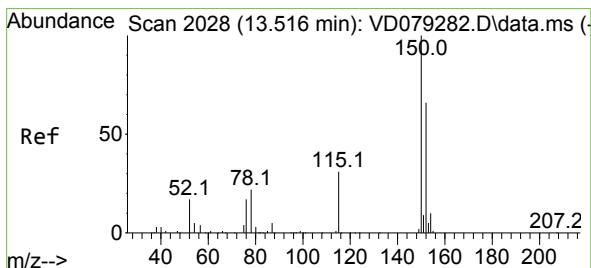
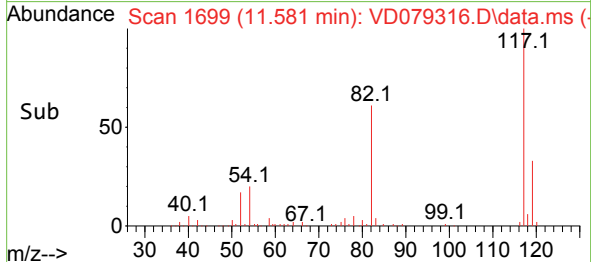
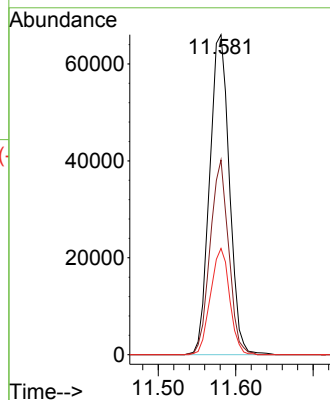
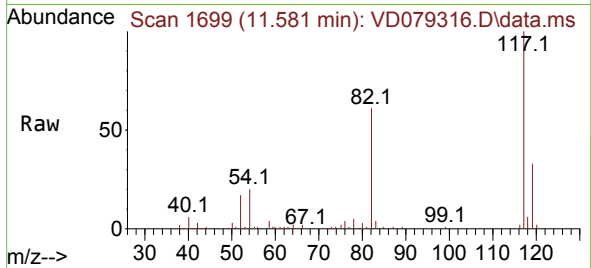




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 116696
Delta R.T. 0.000 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

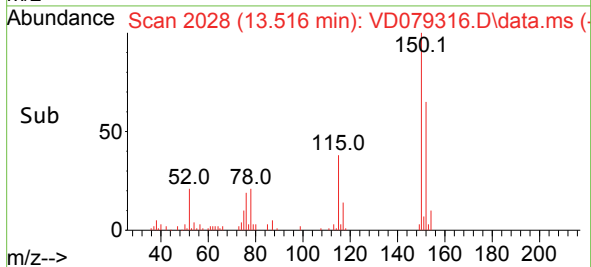
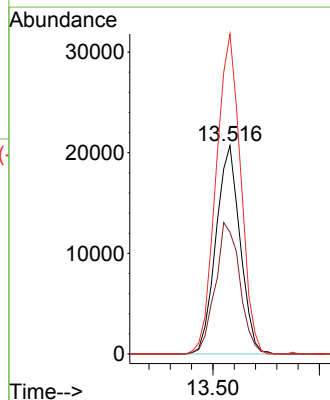
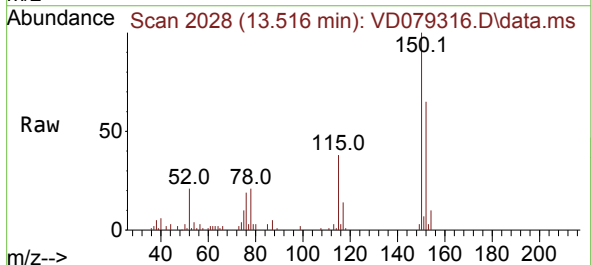
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

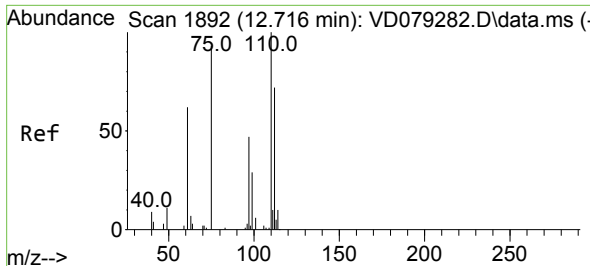
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.8	39.8	59.6#
119	33.2	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	26.5	79.5
150	156.1	0.0	341.6

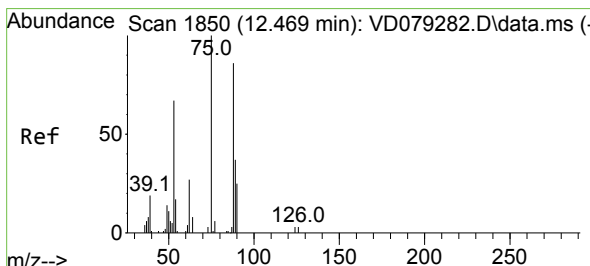
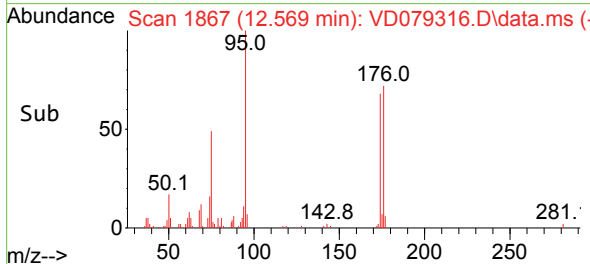
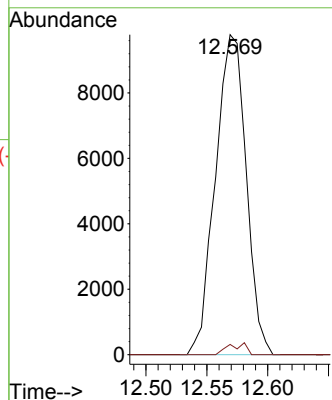
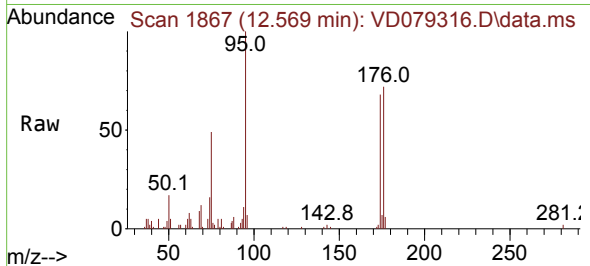




#76
1,2,3-Trichloropropane
Concen: 52.805 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

Instrument :
MSVOA_D
ClientSampleId :
VOCRE

Tgt Ion: 75 Resp: 17219
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.986 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079316.D
Acq: 02 Jul 2024 13:57

Tgt Ion: 75 Resp: 17219
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

