

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079515.D
 Acq On : 01 Aug 2024 01:47
 Operator : RP/MD
 Sample : P3374-13
 Misc : 7.42G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-2.5-3.0-072024

Quant Time: Aug 01 02:56:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

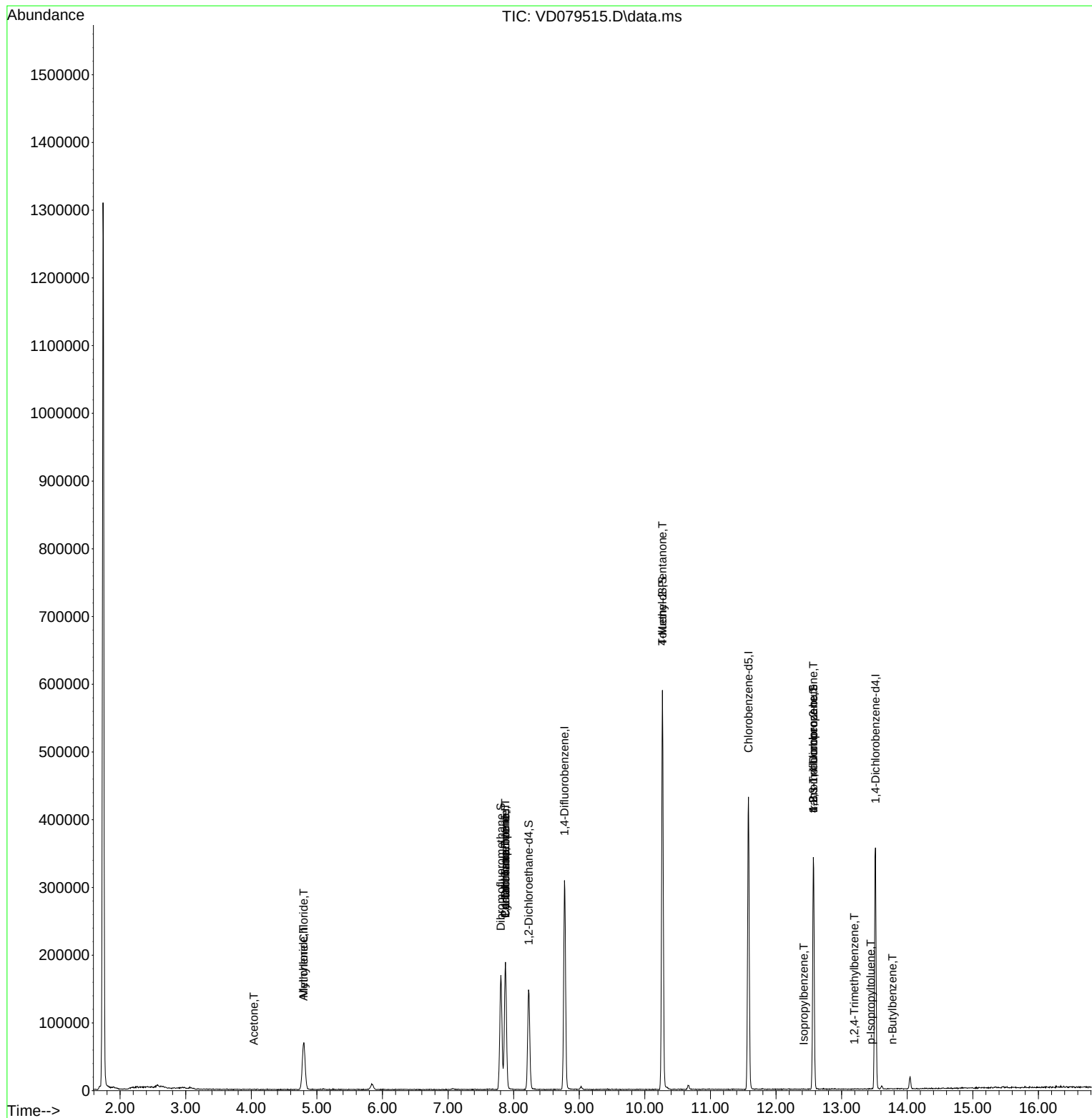
Internal Standards						
1) Pentafluorobenzene	7.875	168	149913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	285648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	263244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	115922	76.116	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.240%			
35) Dibromofluoromethane	7.804	113	123299	63.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.540%			
50) Toluene-d8	10.269	98	409615	54.556	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.120%			
62) 4-Bromofluorobenzene	12.569	95	103626	47.695	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.380%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	315	Below Cal	#	65
11) Tert butyl alcohol	5.075	59	57	Below Cal	#	86
14) Allyl chloride	4.793	41	2379	1.112	ug/l #	17
16) Acetone	4.040	43	366	1.237	ug/l #	37
20) Methylene Chloride	4.799	84	57458	16.663	ug/l	89
31) Cyclohexane	7.875	56	2899	1.146	ug/l #	8
36) 1,1-Dichloropropene	7.875	75	11397	4.319	ug/l #	45
38) Carbon Tetrachloride	7.875	117	14265	5.142	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	1428	1.376	ug/l #	1
73) Isopropylbenzene	12.422	105	70	3.636	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	50526	56.254	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	50526	107.291	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.192	105	125	3.447	ug/l #	29
86) p-Isopropyltoluene	13.445	119	54	3.893	ug/l #	51
89) n-Butylbenzene	13.775	91	61	3.791	ug/l #	34

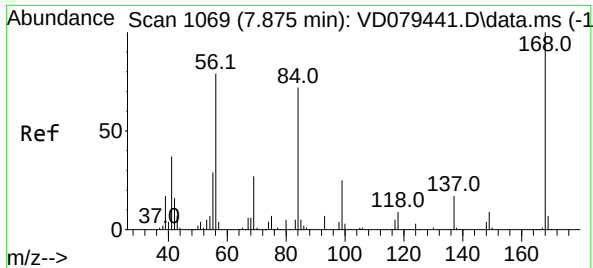
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 02:56:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration

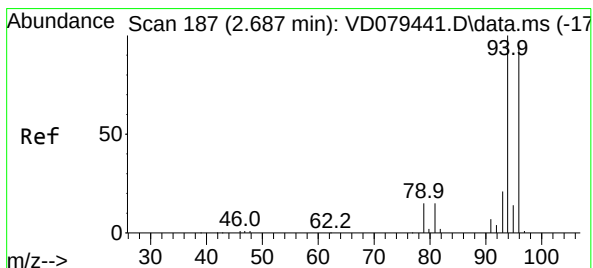
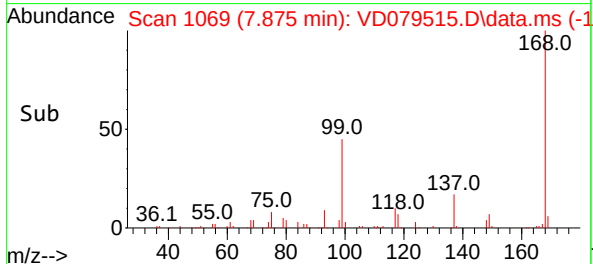
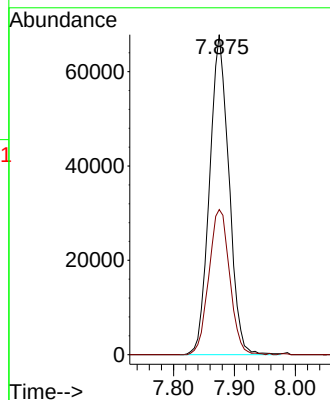
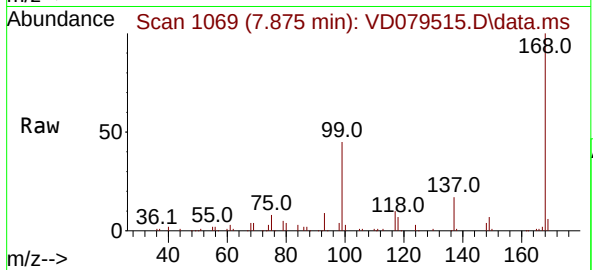




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

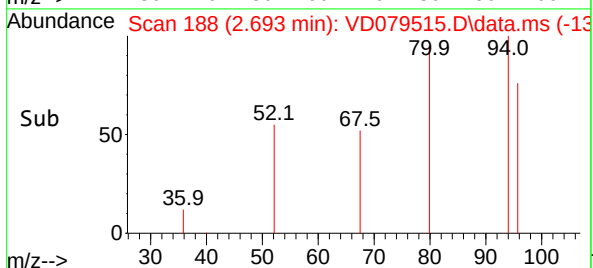
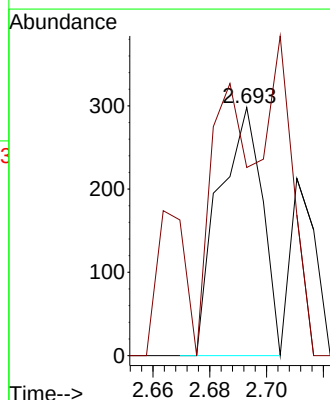
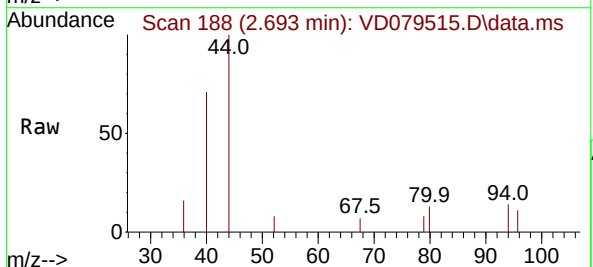
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-2.5-3.0-072024

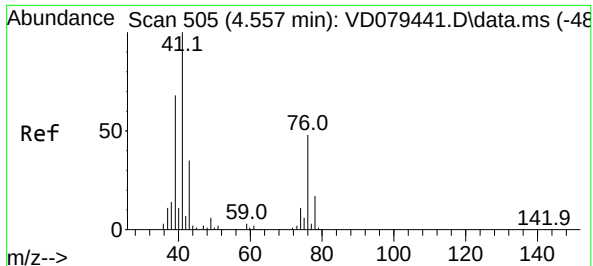
Tgt Ion:168 Resp: 149913
Ion Ratio Lower Upper
168 100
99 45.3 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

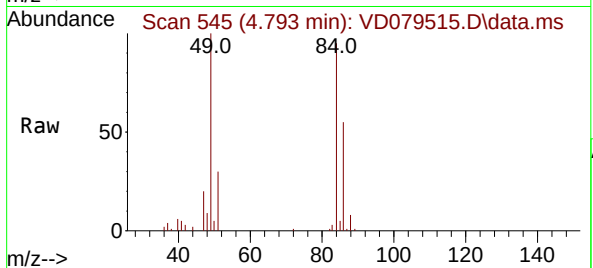
Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 130.5 76.9 115.3#



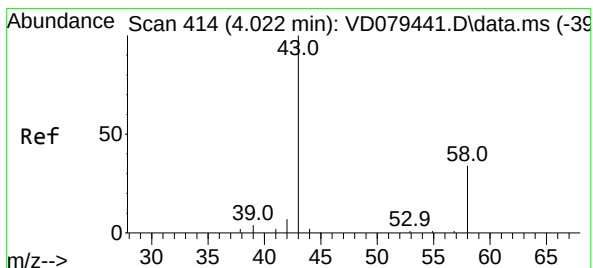
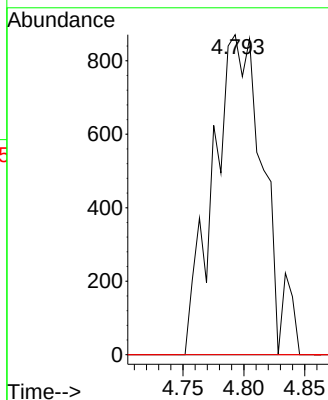
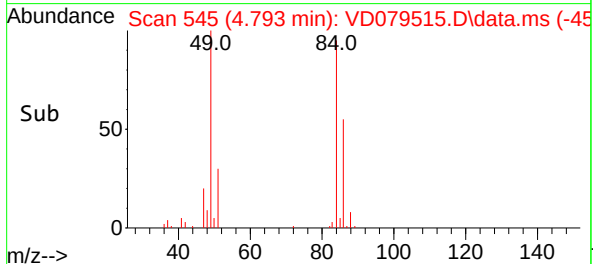


#14
 Allyl chloride
 Concen: 1.112 ug/l
 RT: 4.793 min Scan# 541
 Delta R.T. 0.241 min
 Lab File: VD079515.D
 Acq: 01 Aug 2024 01:47

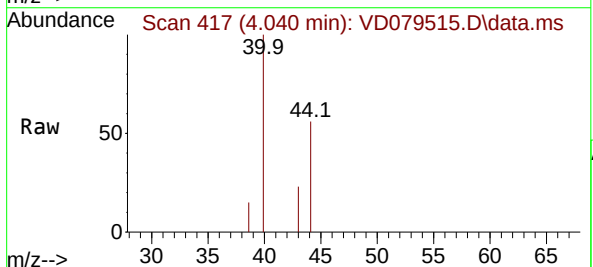
Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-2.5-3.0-072024



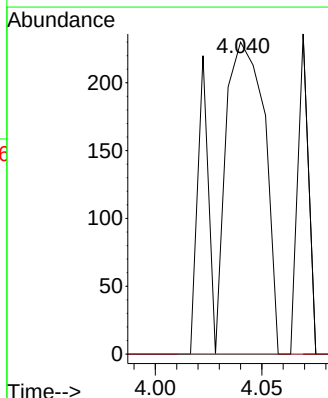
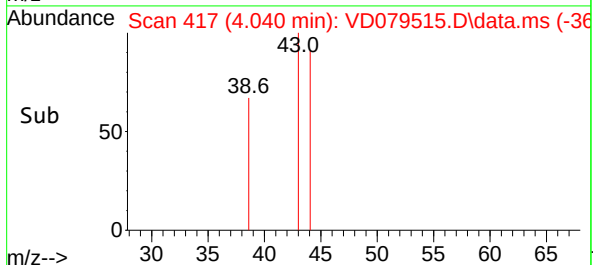
Tgt Ion: 41 Resp: 2379
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 45.9 68.9#

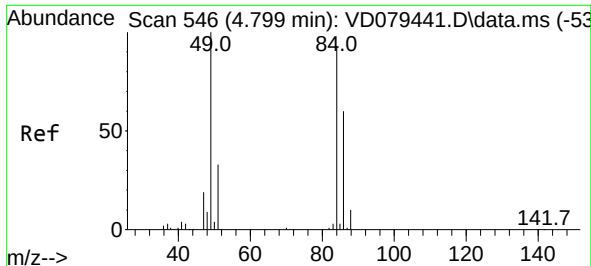


#16
 Acetone
 Concen: 1.237 ug/l
 RT: 4.040 min Scan# 417
 Delta R.T. 0.018 min
 Lab File: VD079515.D
 Acq: 01 Aug 2024 01:47



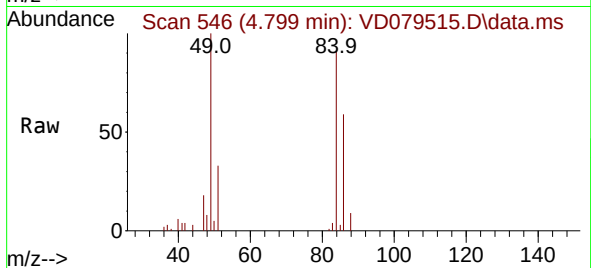
Tgt Ion: 43 Resp: 366
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.4 45.6#



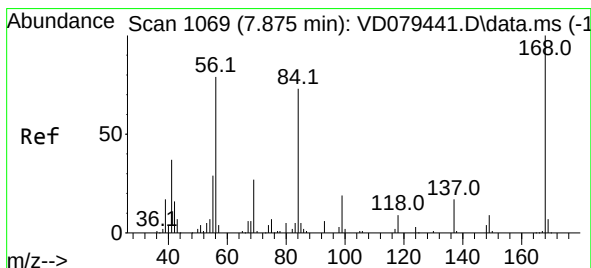
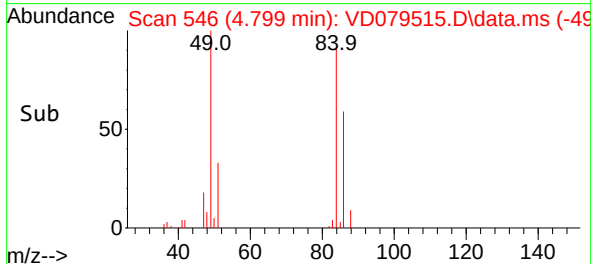
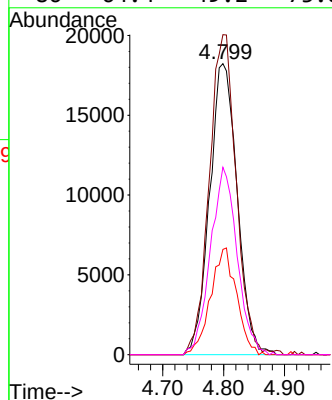


#20
Methylene Chloride
Concen: 16.663 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-2.5-3.0-072024

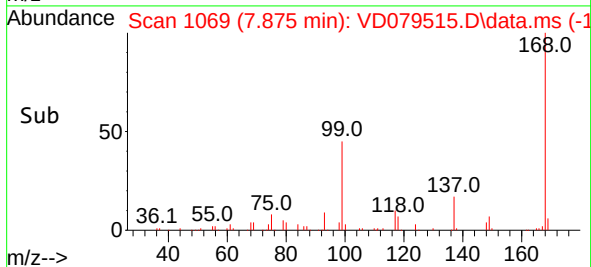
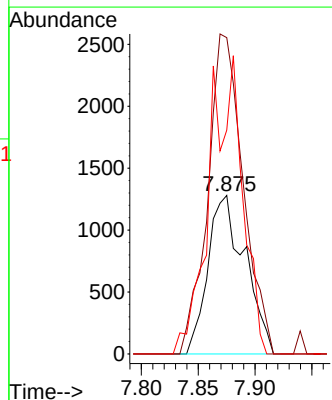
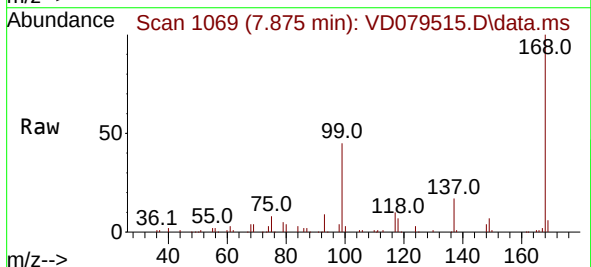


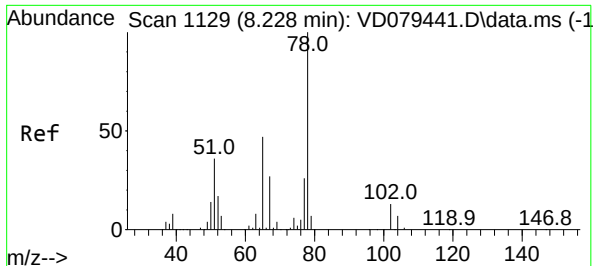
Tgt Ion: 84	Resp: 57458
Ion Ratio	Lower Upper
84 100	
49 110.0	75.6 113.4
51 36.2	24.2 36.2
86 64.4	49.2 73.8



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

Tgt Ion: 56	Resp: 2899
Ion Ratio	Lower Upper
56 100	
69 199.5	28.0 42.0#
84 141.3	87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 76.116 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079515.D

Acq: 01 Aug 2024 01:47

Instrument :

MSVOA_D

ClientSampleId :

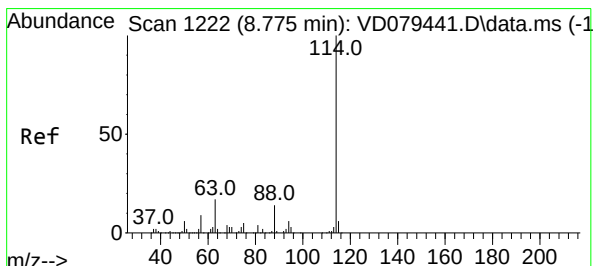
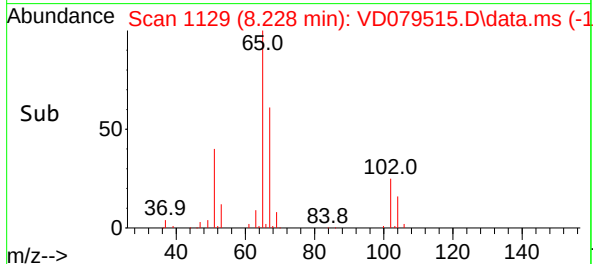
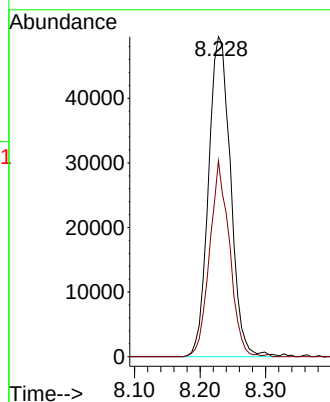
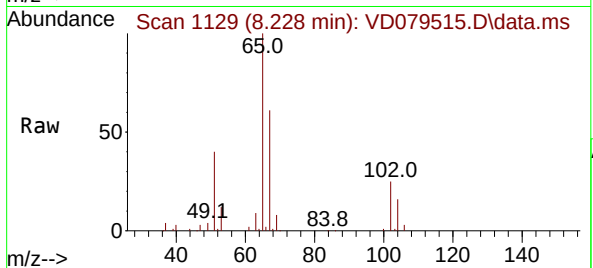
S-847-G1-SO-2.5-3.0-072024

Tgt Ion: 65 Resp: 115922

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079515.D

Acq: 01 Aug 2024 01:47

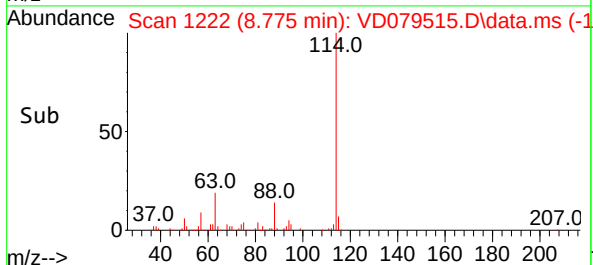
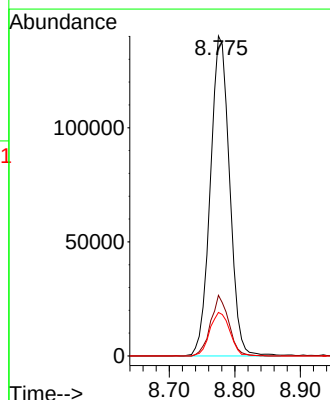
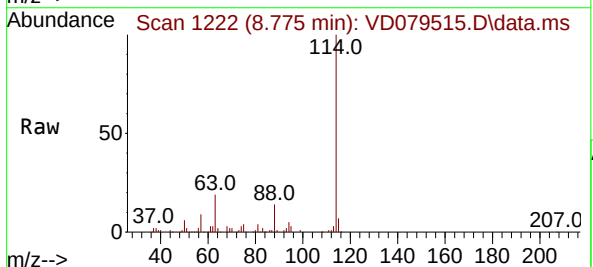
Tgt Ion: 114 Resp: 285648

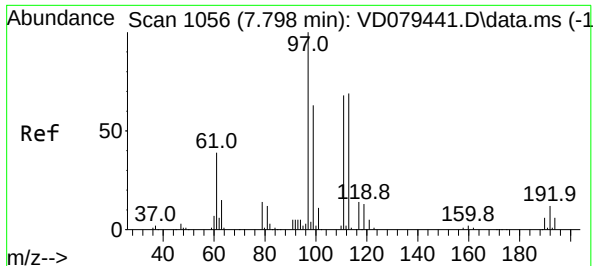
Ion Ratio Lower Upper

114 100

63 19.0 0.0 34.0

88 13.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 63.773 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079515.D

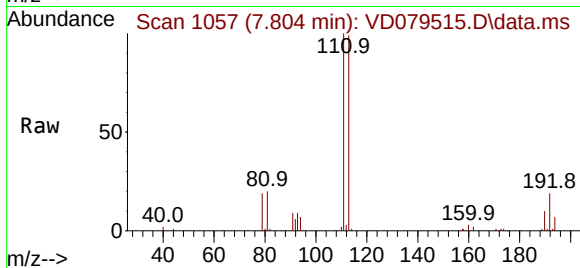
Acq: 01 Aug 2024 01:47

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-2.5-3.0-072024



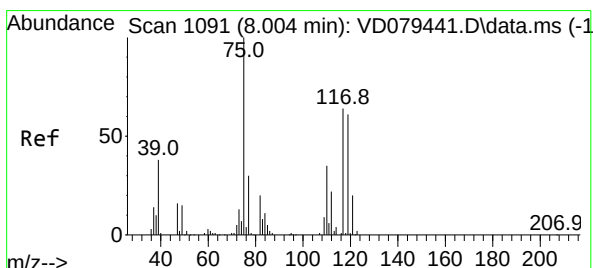
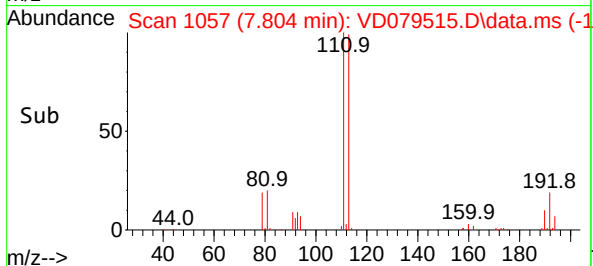
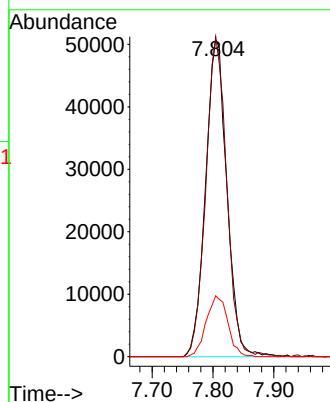
Tgt Ion:113 Resp: 123299

Ion Ratio Lower Upper

113 100

111 98.5 84.0 126.0

192 19.4 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.319 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079515.D

Acq: 01 Aug 2024 01:47

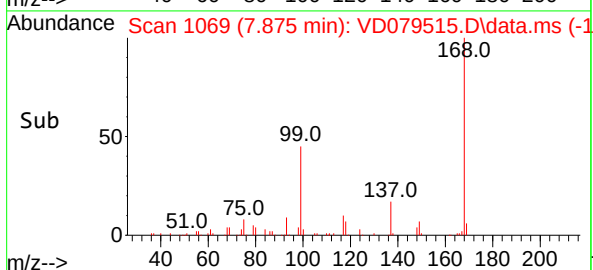
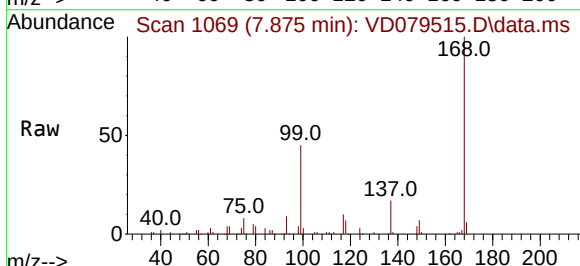
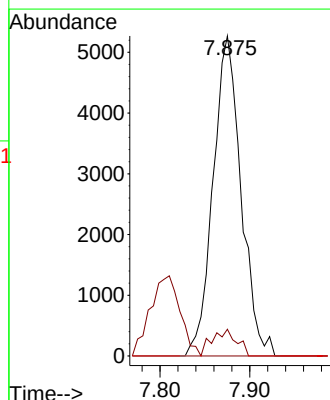
Tgt Ion: 75 Resp: 11397

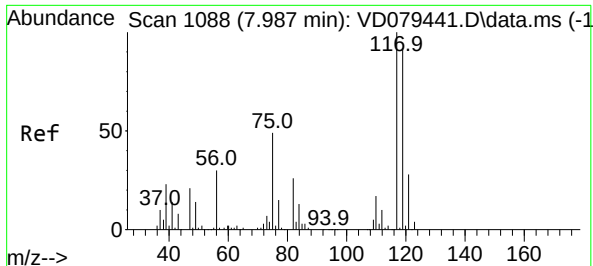
Ion Ratio Lower Upper

75 100

110 7.3 19.6 58.7#

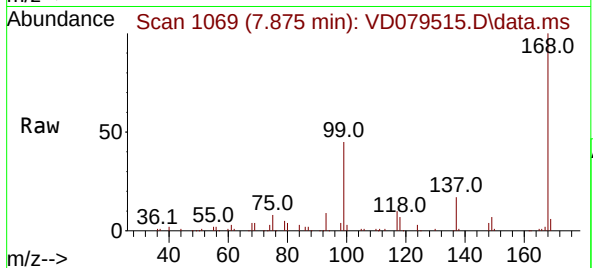
77 0.0 26.1 39.1#



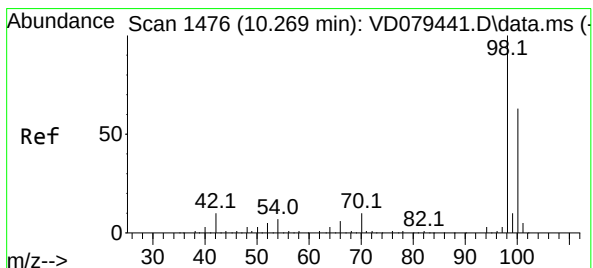
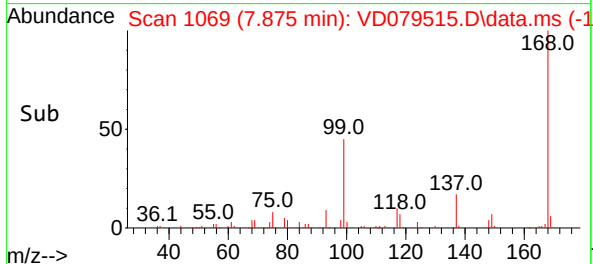
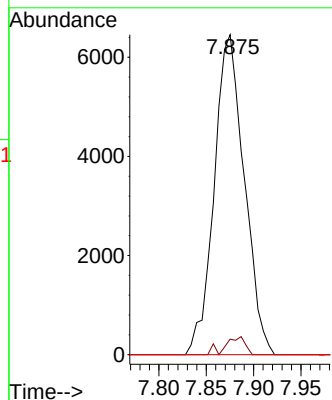


#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-2.5-3.0-072024

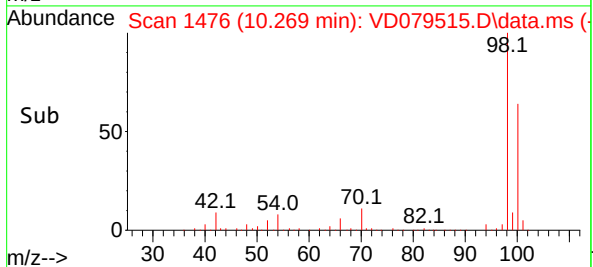
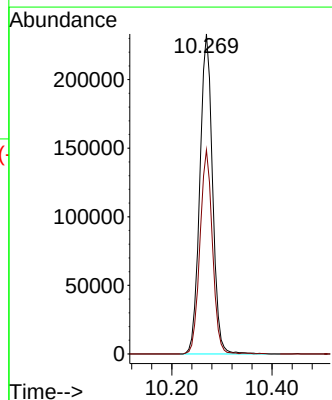
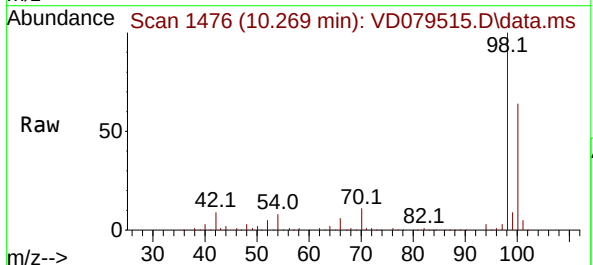


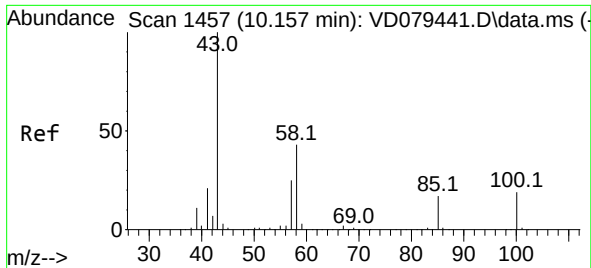
Tgt Ion:117 Resp: 14265
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 54.556 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

Tgt Ion: 98 Resp: 409615
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4

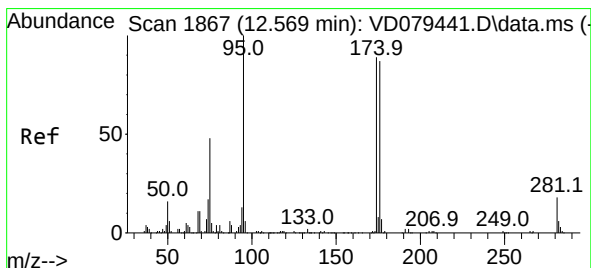
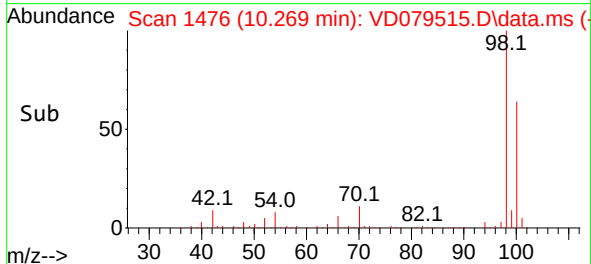
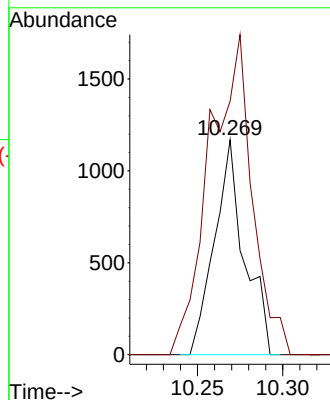
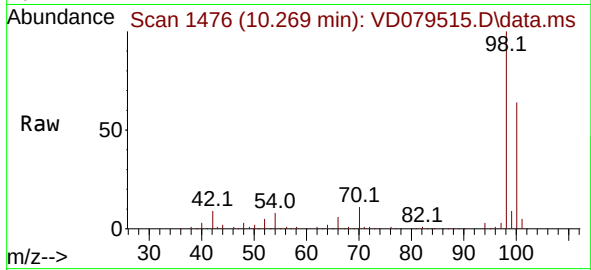




#51
4-Methyl-2-Pentanone
Concen: 1.376 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

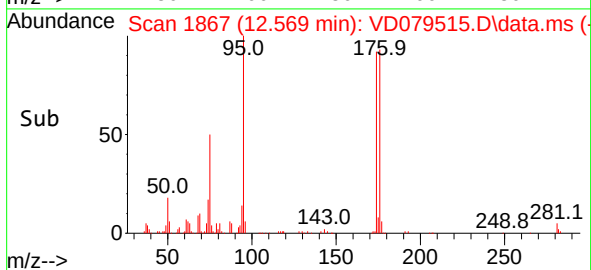
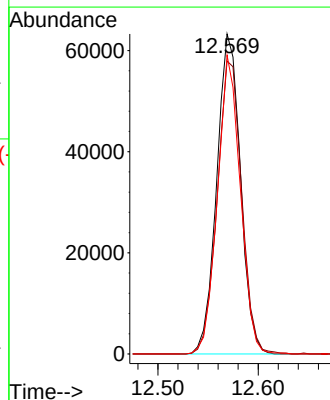
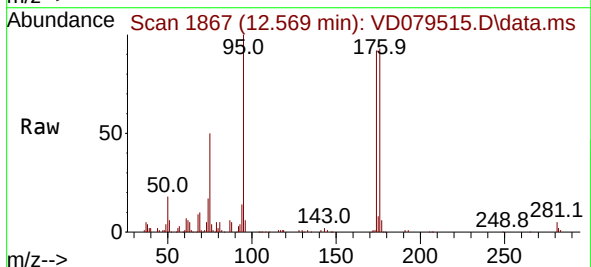
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-2.5-3.0-072024

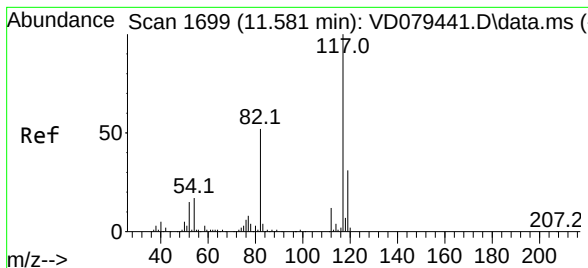
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 212.3 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 47.695 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

Tgt Ion: 95 Resp: 103626
Ion Ratio Lower Upper
95 100
174 94.4 0.0 195.4
176 90.4 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079515.D

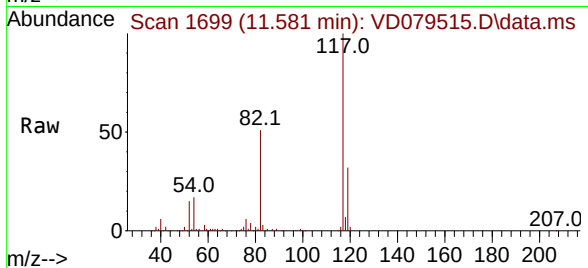
Acq: 01 Aug 2024 01:47

Instrument :

MSVOA_D

ClientSampleId :

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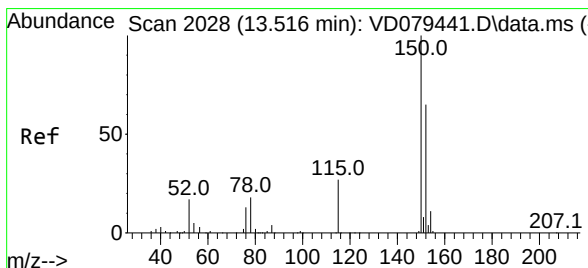
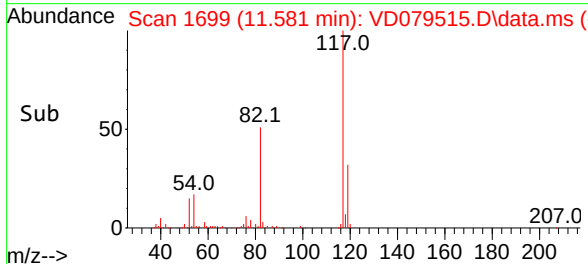
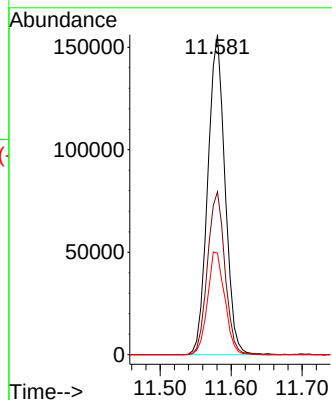
Tgt Ion:117 Resp: 263244

Ion Ratio Lower Upper

117 100

82 50.9 39.8 59.6

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079515.D

Acq: 01 Aug 2024 01:47

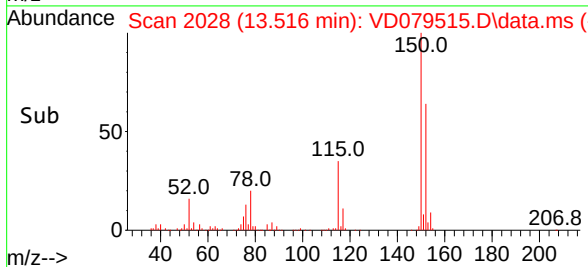
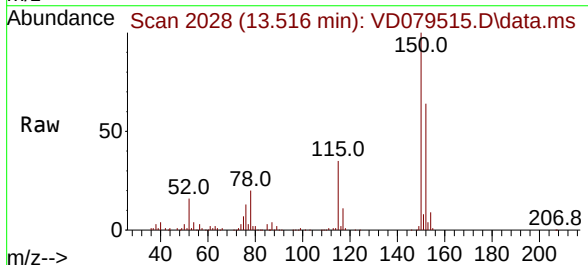
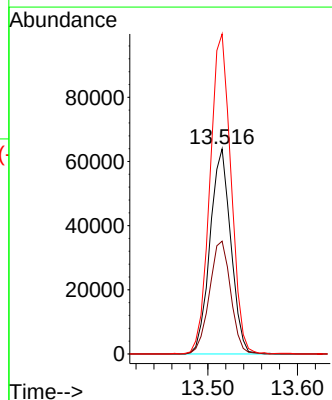
Tgt Ion:152 Resp: 102755

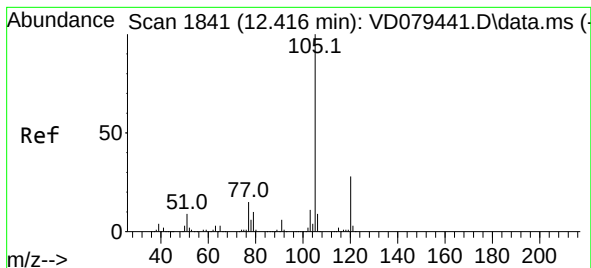
Ion Ratio Lower Upper

152 100

115 56.1 26.5 79.5

150 158.0 0.0 341.6





#73

Isopropylbenzene

Concen: 3.636 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079515.D

Acq: 01 Aug 2024 01:47

Instrument :

MSVOA_D

ClientSampleId :

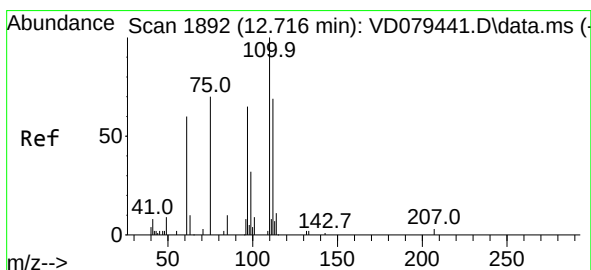
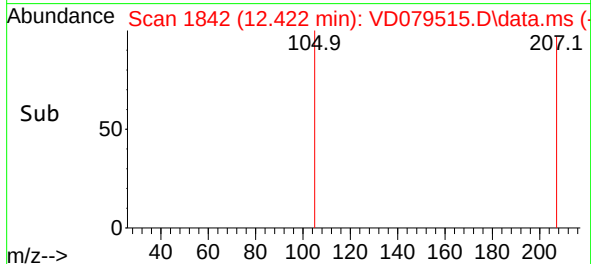
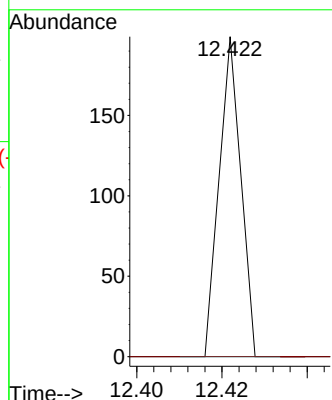
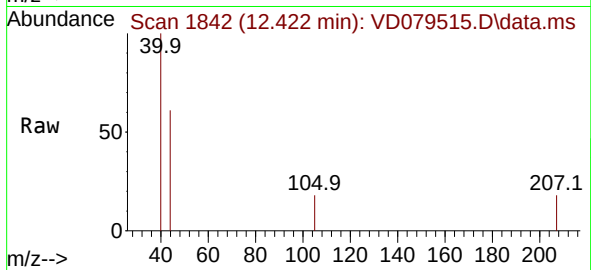
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Tgt Ion:105 Resp: 70

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 56.254 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079515.D

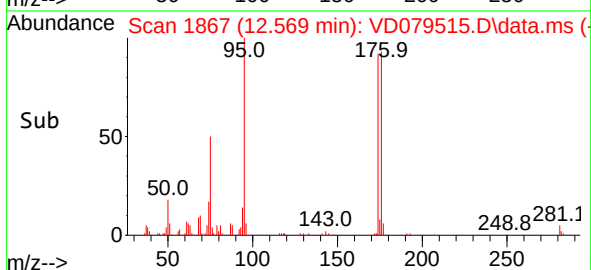
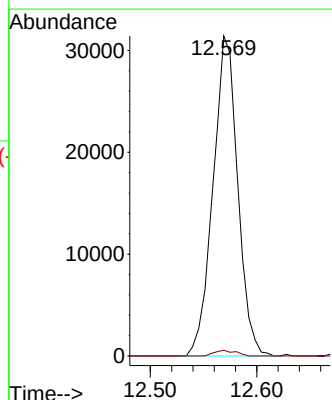
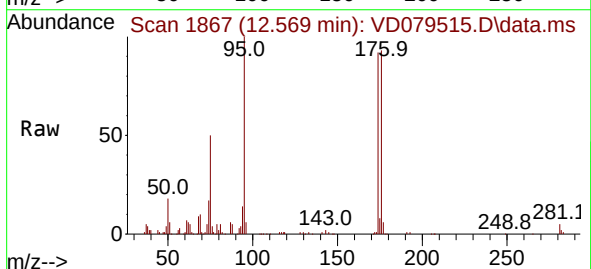
Acq: 01 Aug 2024 01:47

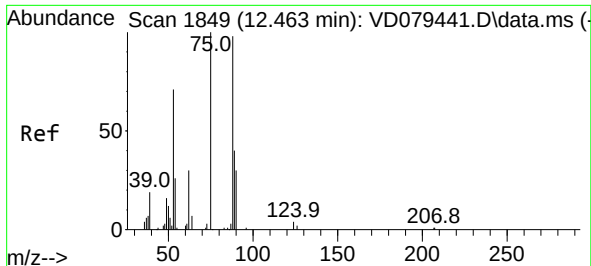
Tgt Ion: 75 Resp: 50526

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

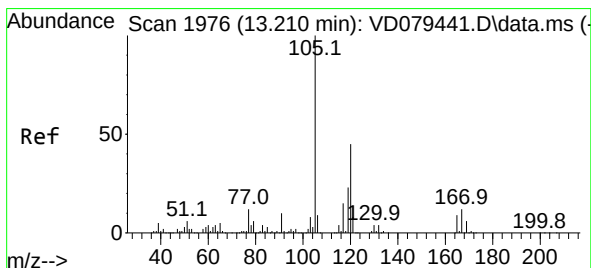
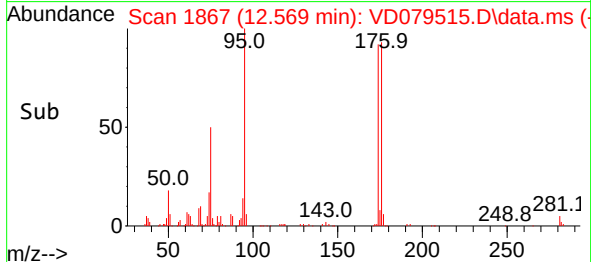
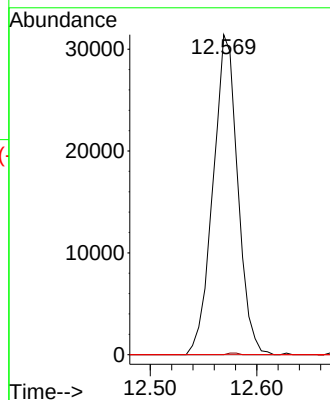
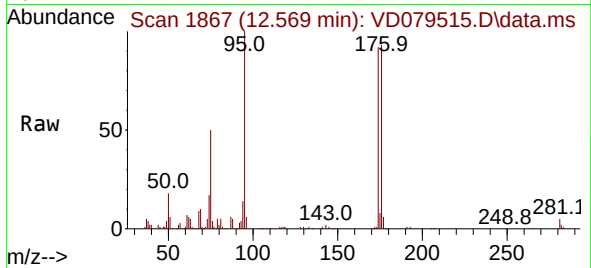




#81
trans-1,4-Dichloro-2-butene
Concen: 107.291 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

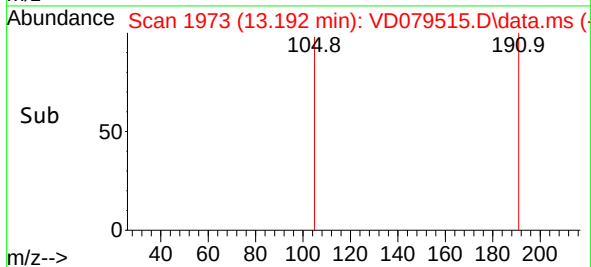
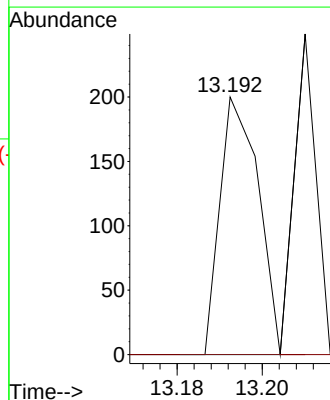
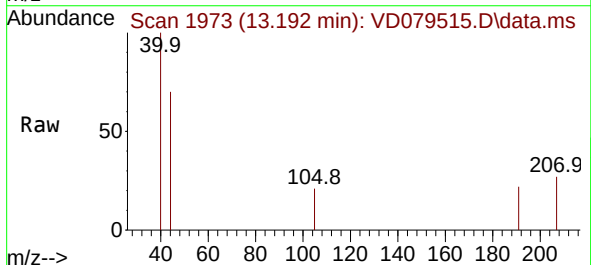
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-2.5-3.0-072024

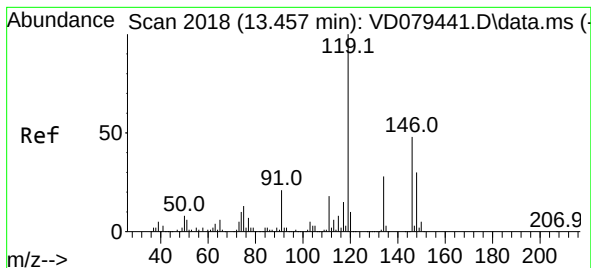
Tgt Ion: 75 Resp: 50526
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.447 ug/l
RT: 13.192 min Scan# 1973
Delta R.T. -0.012 min
Lab File: VD079515.D
Acq: 01 Aug 2024 01:47

Tgt Ion: 105 Resp: 125
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#86

p-Isopropyltoluene

Concen: 3.893 ug/l

RT: 13.445 min Scan# 2018

Delta R.T. -0.012 min

Lab File: VD079515.D

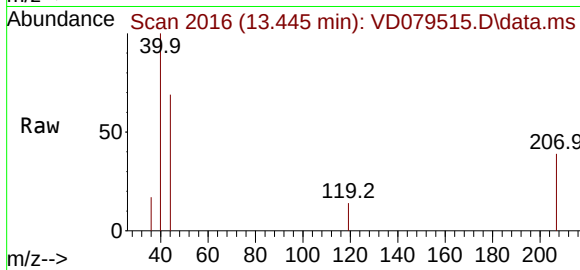
Acq: 01 Aug 2024 01:47

Instrument :

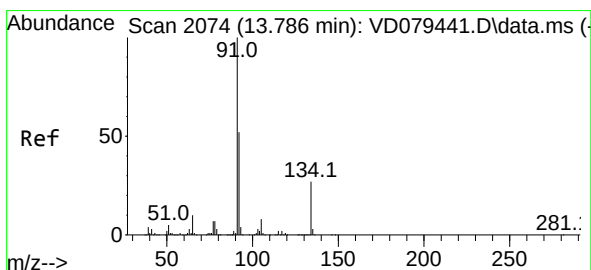
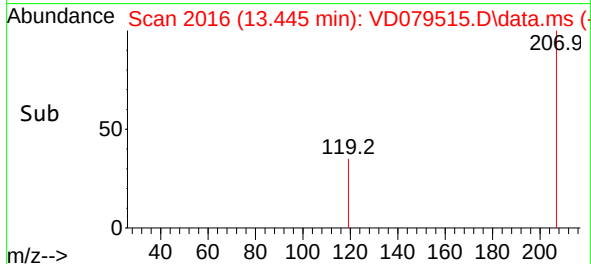
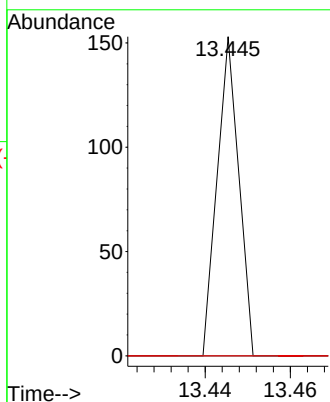
MSVOA_D

ClientSampleId :

S-847-G1-SO-2.5-3.0-072024



Tgt Ion:	119	Resp:	54
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89

n-Butylbenzene

Concen: 3.791 ug/l

RT: 13.775 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VD079515.D

Acq: 01 Aug 2024 01:47

Tgt Ion:	91	Resp:	61
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

