

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080124\
 Data File : VD079536.D
 Acq On : 01 Aug 2024 20:08
 Operator : RP/MD
 Sample : P3374-16
 Misc : 6.78G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-14.5-15-072024

Quant Time: Aug 02 01:33:39 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	156524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	301084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	277616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	125450	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	104276	65.577	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.160%	
35) Dibromofluoromethane	7.799	113	105342	51.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.380%	
50) Toluene-d8	10.269	98	378647	47.846	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.700%	
62) 4-Bromofluorobenzene	12.569	95	97116	42.407	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.820%	

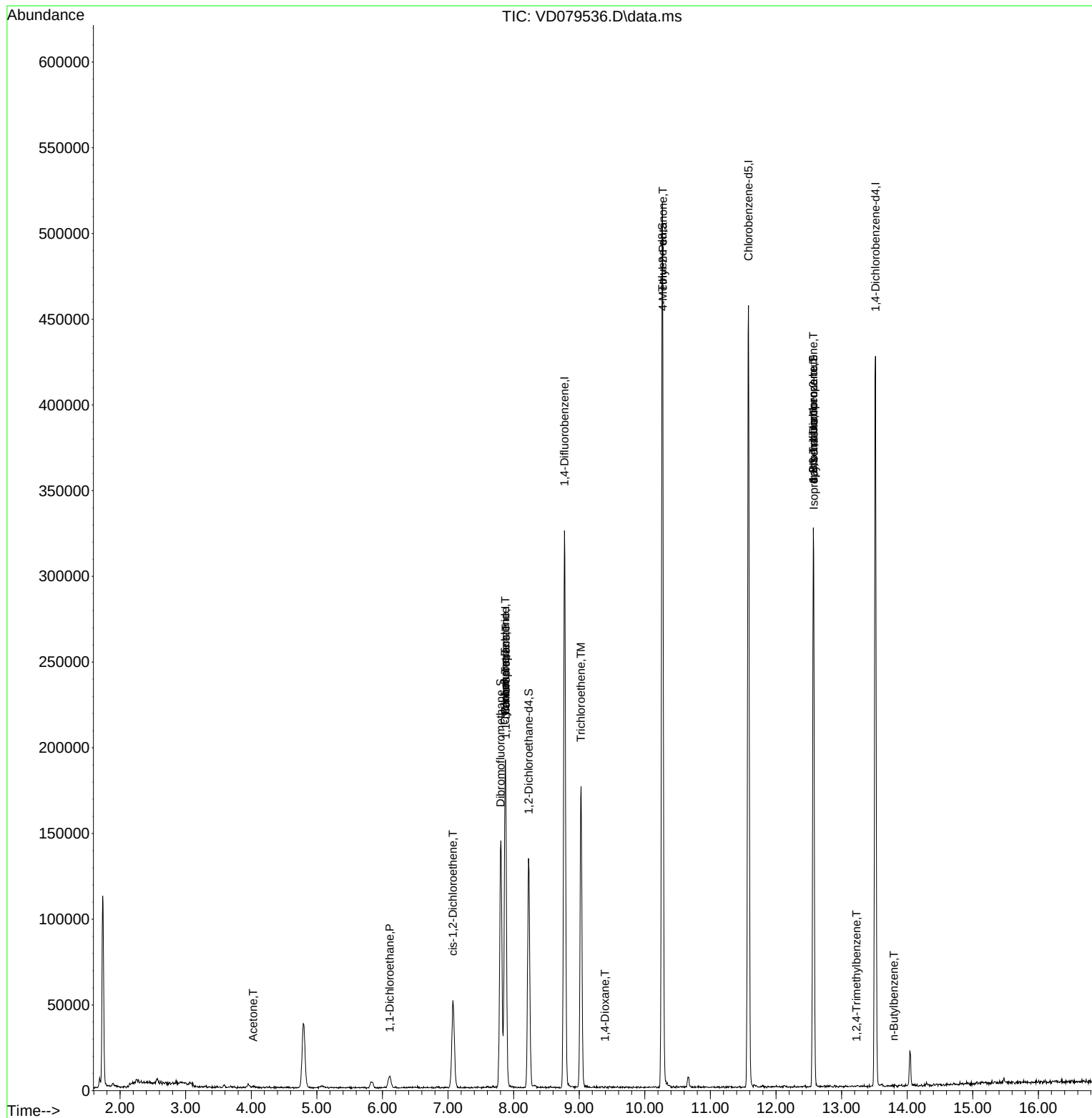
Target Compounds			Qvalue			
5) Bromomethane	2.693	94	533	Below Cal	97	
11) Tert butyl alcohol	5.034	59	472	Below Cal	#	86
16) Acetone	4.028	43	1664	5.385	ug/l #	77
20) Methylene Chloride	4.793	84	30872	Below Cal	#	83
24) 1,1-Dichloroethane	6.110	63	10850	3.258	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	31294	14.410	ug/l	99
31) Cyclohexane	7.869	56	3218	1.219	ug/l #	18
36) 1,1-Dichloropropene	7.881	75	12214	4.391	ug/l #	45
38) Carbon Tetrachloride	7.875	117	14157	4.842	ug/l #	18
44) Trichloroethene	9.028	130	66752	30.353	ug/l	83
49) 1,4-Dioxane	9.393	88	59	4.777	ug/l #	30
51) 4-Methyl-2-Pentanone	10.275	43	1443	1.319	ug/l #	1
73) Isopropylbenzene	12.575	105	73	3.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	49577	45.212	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	49577	86.231	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.228	105	72	3.437	ug/l #	29
89) n-Butylbenzene	13.798	91	54	3.788	ug/l #	34

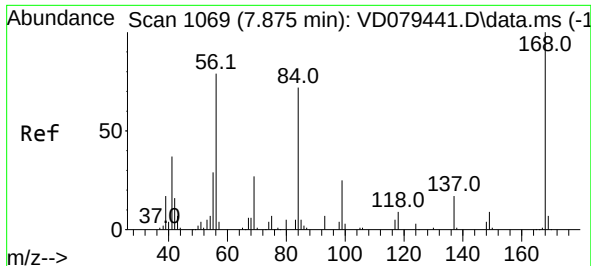
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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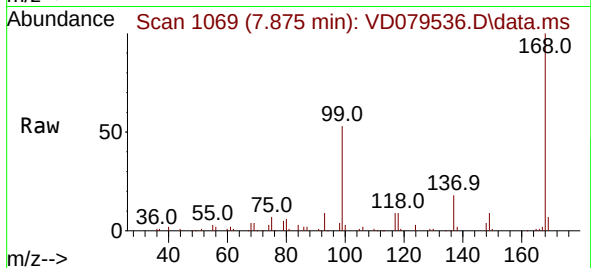
Quant Time: Aug 02 01:33:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



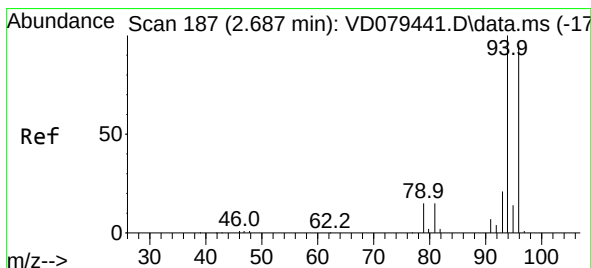
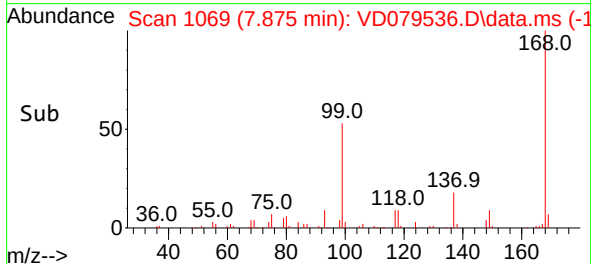
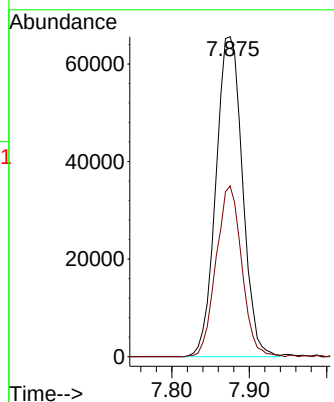


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

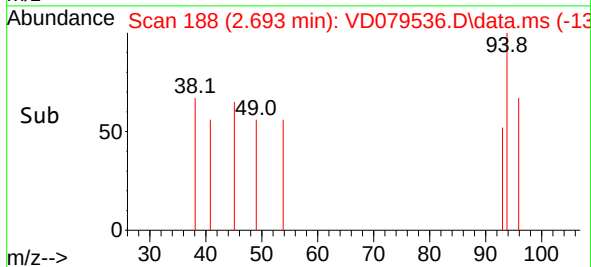
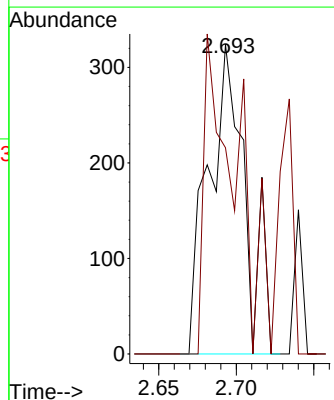
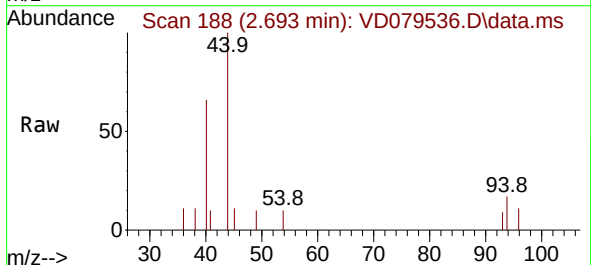


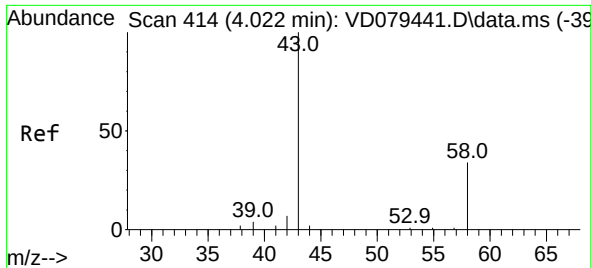
Tgt Ion:168 Resp: 156524
Ion Ratio Lower Upper
168 100
99 53.4 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

Tgt Ion: 94 Resp: 533
Ion Ratio Lower Upper
94 100
96 93.1 76.9 115.3





#16

Acetone

Concen: 5.385 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD079536.D

Acq: 01 Aug 2024 20:08

Instrument :

MSVOA_D

ClientSampleId :

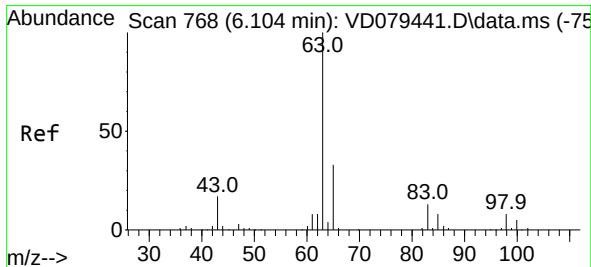
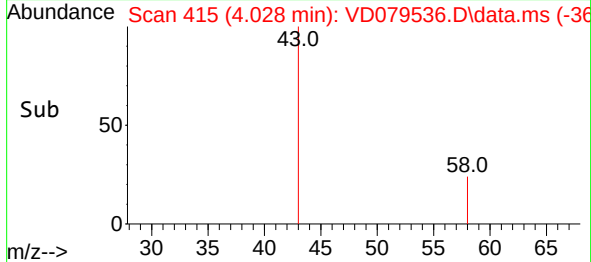
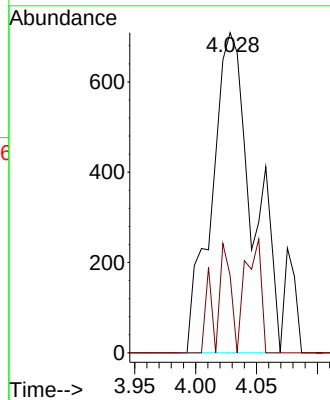
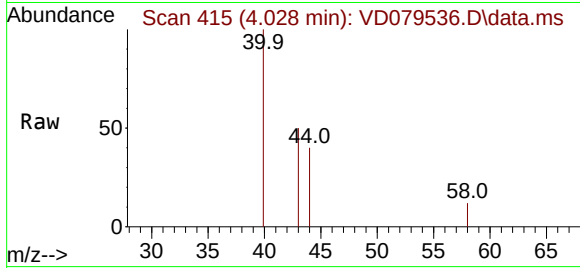
S-847-G1-SO-14.5-15-072024

Tgt Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

58 24.1 30.4 45.6#



#24

1,1-Dichloroethane

Concen: 3.258 ug/l

RT: 6.110 min Scan# 769

Delta R.T. 0.006 min

Lab File: VD079536.D

Acq: 01 Aug 2024 20:08

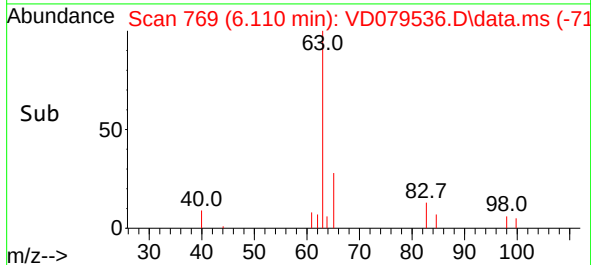
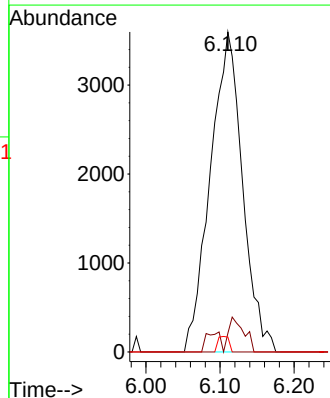
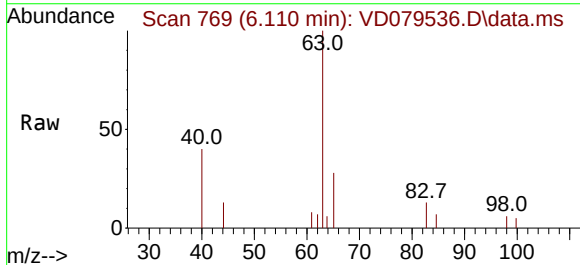
Tgt Ion: 63 Resp: 10850

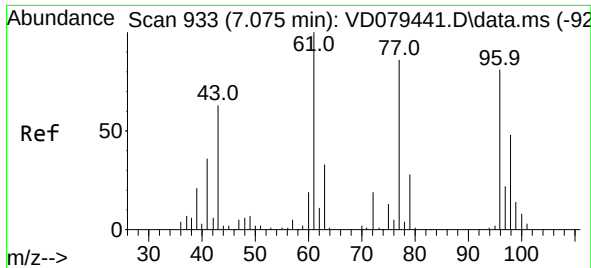
Ion Ratio Lower Upper

63 100

98 5.8 4.7 14.0

100 4.6 2.9 8.6

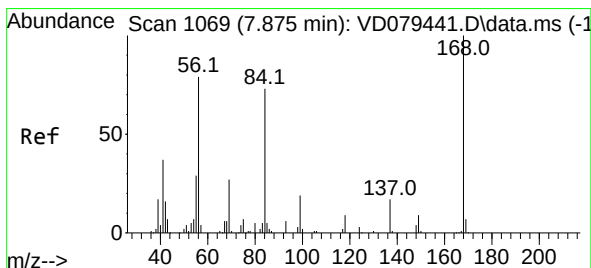
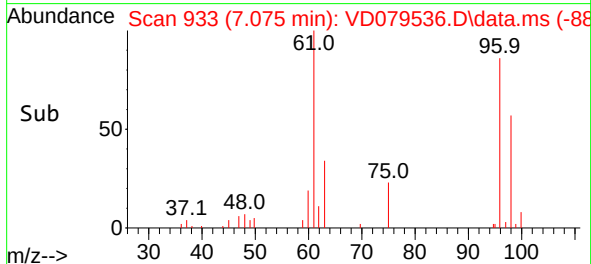
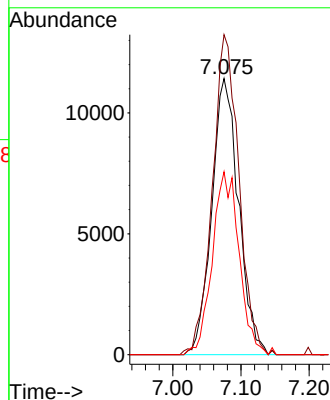
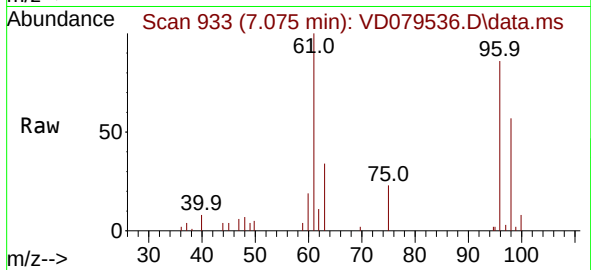




#27
 cis-1,2-Dichloroethene
 Concen: 14.410 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VD079536.D
 Acq: 01 Aug 2024 20:08

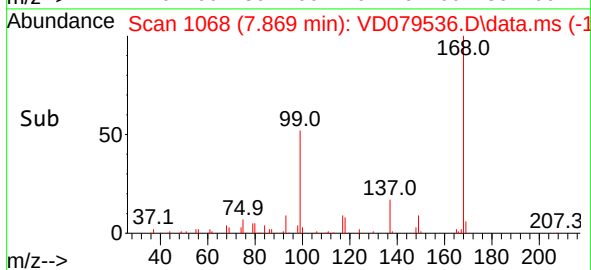
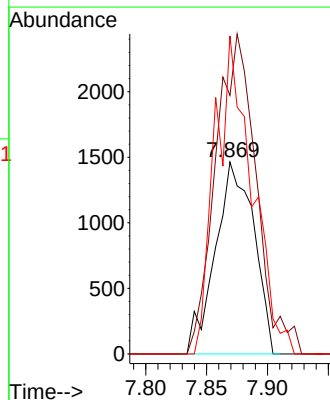
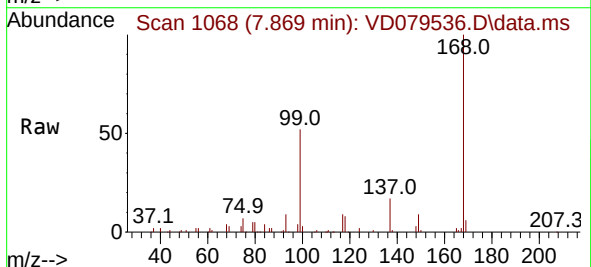
Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-14.5-15-072024

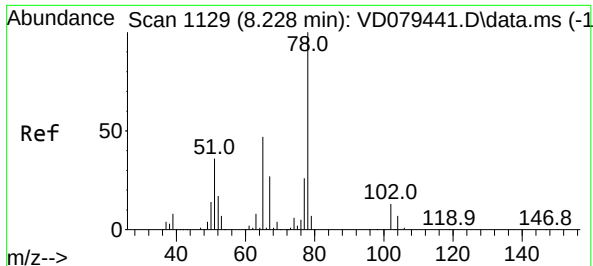
Tgt Ion:	96	Resp:	31294
Ion	Ratio	Lower	Upper
96	100		
61	114.3	0.0	229.0
98	66.0	0.0	127.2



#31
 Cyclohexane
 Concen: 1.219 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.012 min
 Lab File: VD079536.D
 Acq: 01 Aug 2024 20:08

Tgt Ion:	56	Resp:	3218
Ion	Ratio	Lower	Upper
56	100		
69	134.7	28.0	42.0#
84	165.8	87.4	131.0#





#33

1,2-Dichloroethane-d4

Concen: 65.577 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079536.D

Acq: 01 Aug 2024 20:08

Instrument :

MSVOA_D

ClientSampleId :

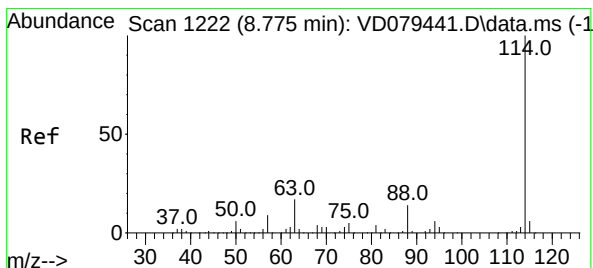
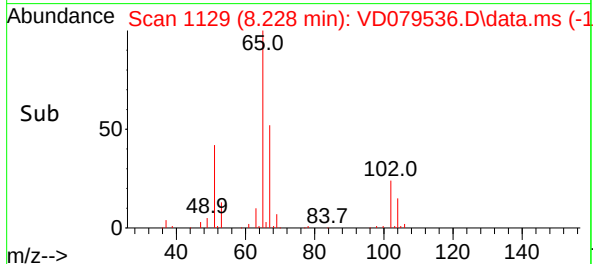
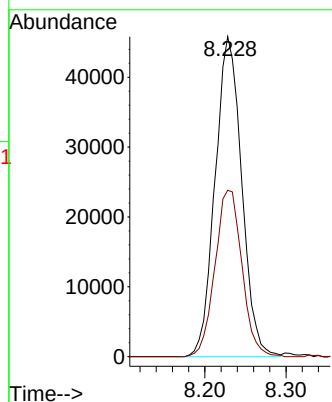
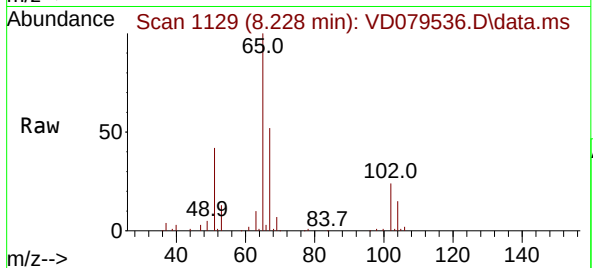
S-847-G1-SO-14.5-15-072024

Tgt Ion: 65 Resp: 104276

Ion Ratio Lower Upper

65 100

67 52.8 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: VD079536.D

Acq: 01 Aug 2024 20:08

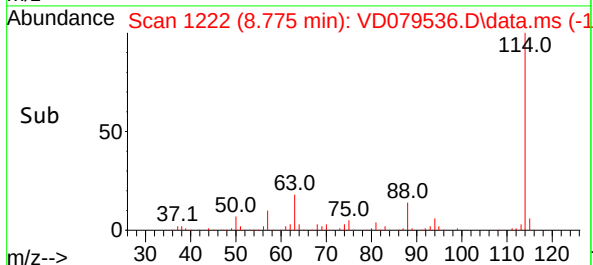
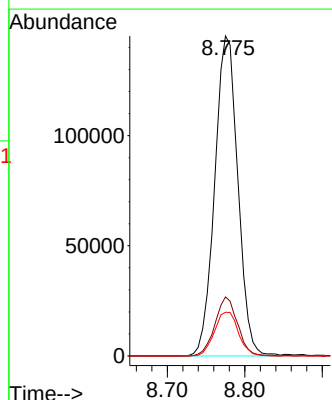
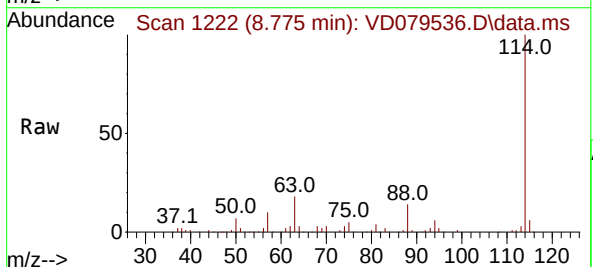
Tgt Ion: 114 Resp: 301084

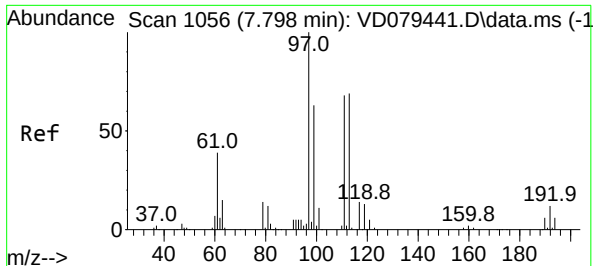
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 13.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 51.692 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD079536.D

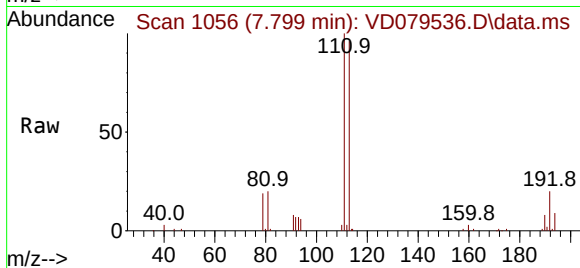
Acq: 01 Aug 2024 20:08

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-14.5-15-072024



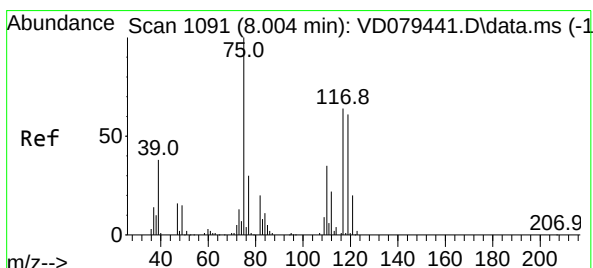
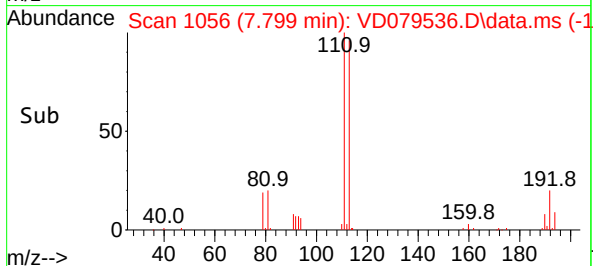
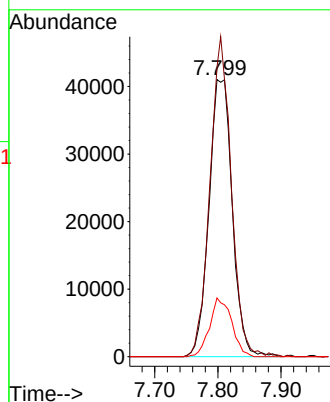
Tgt Ion:113 Resp: 105342

Ion Ratio Lower Upper

113 100

111 105.1 84.0 126.0

192 20.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD079536.D

Acq: 01 Aug 2024 20:08

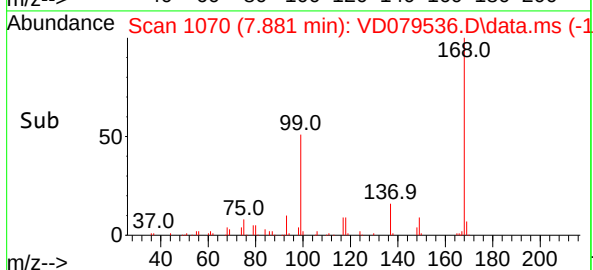
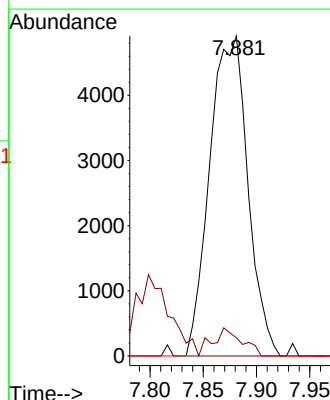
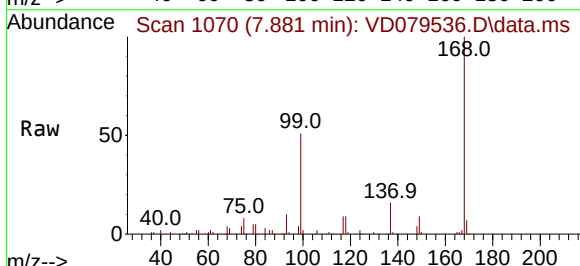
Tgt Ion: 75 Resp: 12214

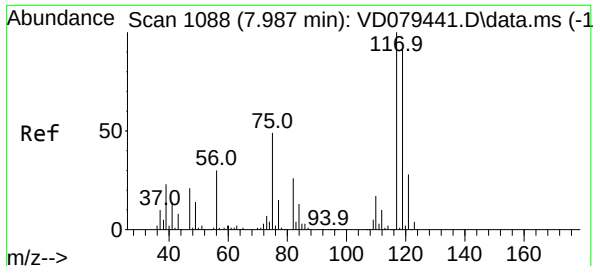
Ion Ratio Lower Upper

75 100

110 6.6 19.6 58.7#

77 0.0 26.1 39.1#

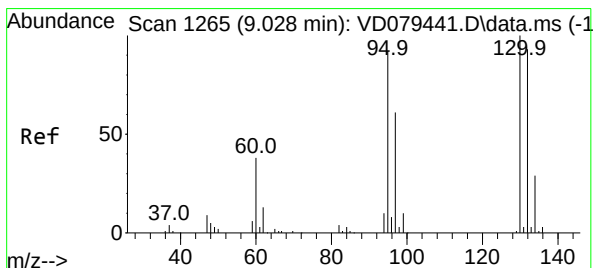
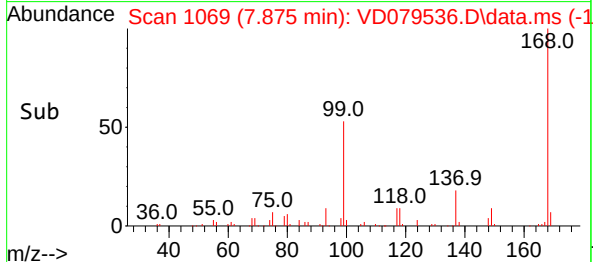
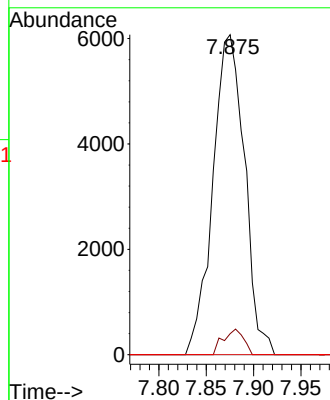
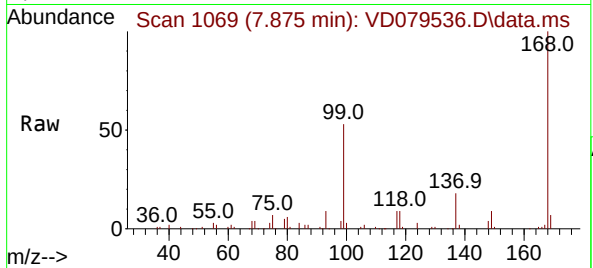




#38
Carbon Tetrachloride
Concen: 4.842 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

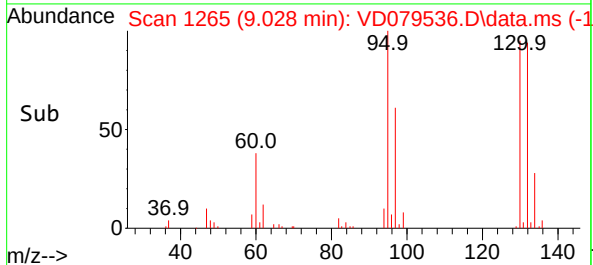
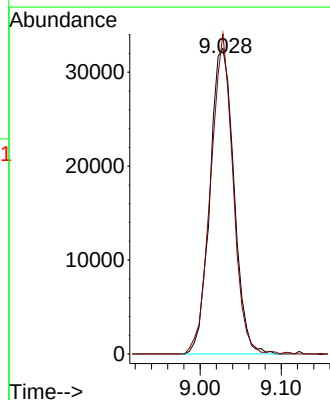
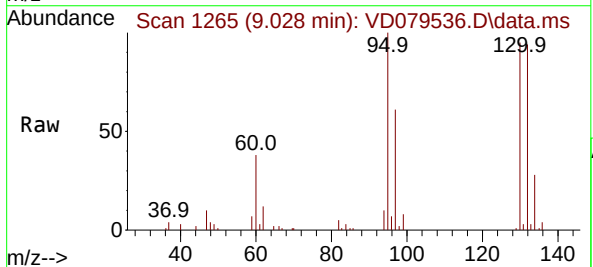
Instrument : MSVOA_D
ClientSampleId : S-847-G1-SO-14.5-15-072024

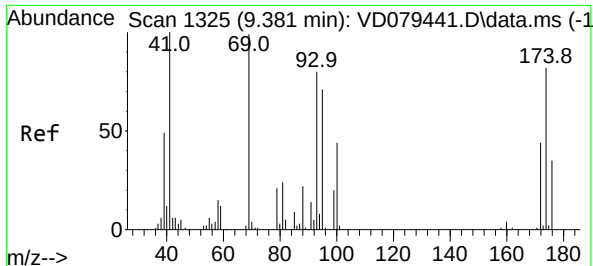
Tgt Ion:117 Resp: 14157
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 30.353 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

Tgt Ion:130 Resp: 66752
Ion Ratio Lower Upper
130 100
95 104.8 0.0 177.8





#49

1,4-Dioxane

Concen: 4.777 ug/l

RT: 9.393 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079536.D

Acq: 01 Aug 2024 20:08

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-14.5-15-072024

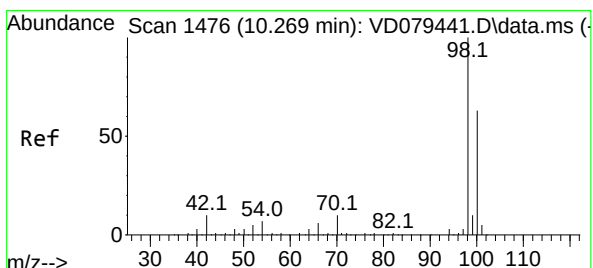
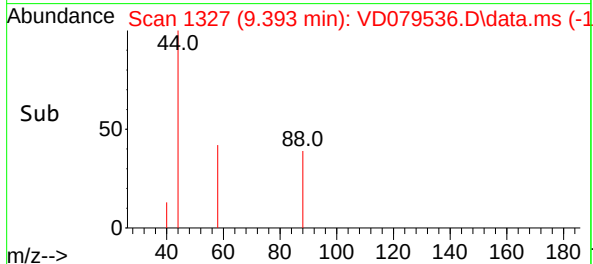
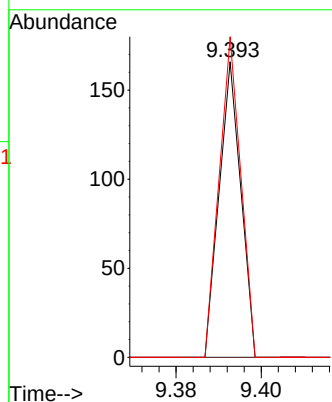
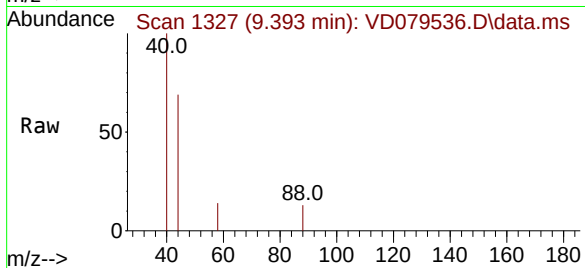
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 21.5 32.3#

58 108.5 42.2 63.4#



#50

Toluene-d8

Concen: 47.846 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079536.D

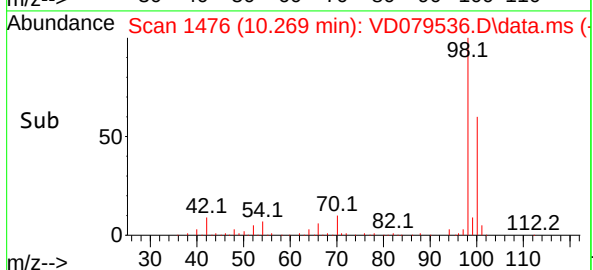
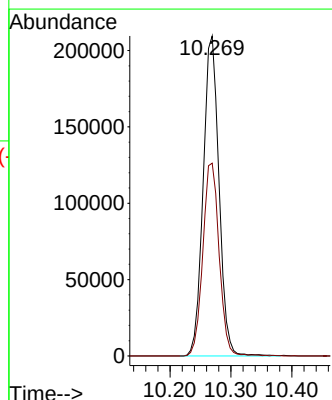
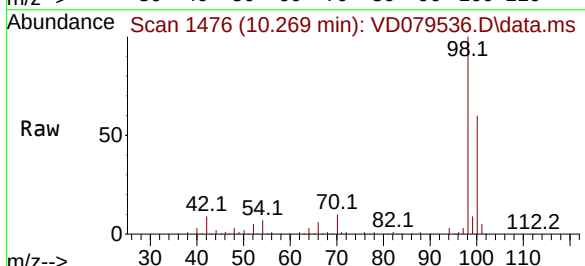
Acq: 01 Aug 2024 20:08

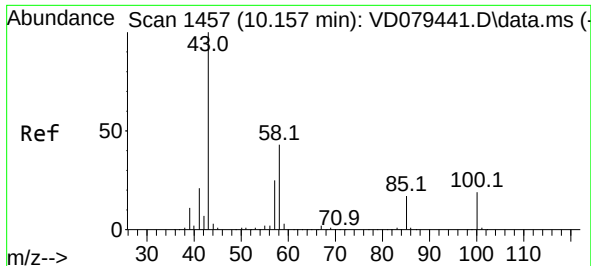
Tgt Ion: 98 Resp: 378647

Ion Ratio Lower Upper

98 100

100 62.1 51.6 77.4

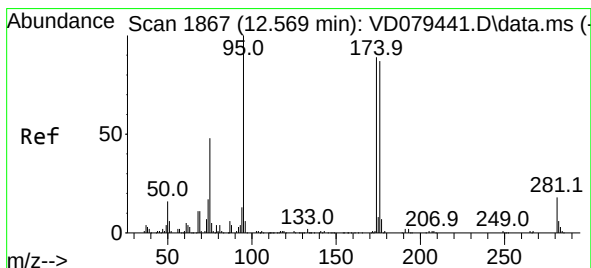
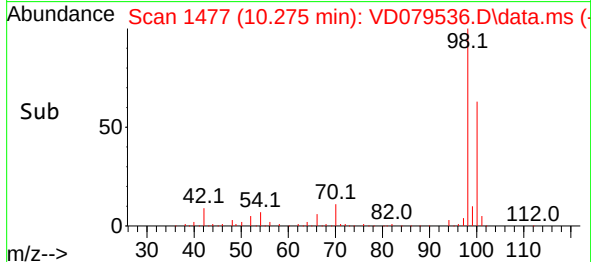
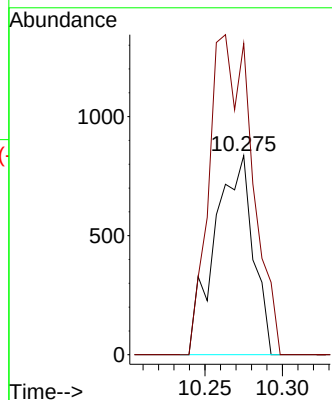
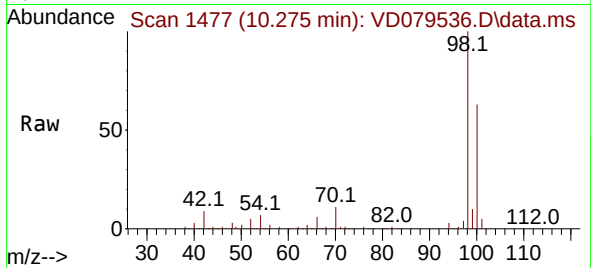




#51
4-Methyl-2-Pentanone
Concen: 1.319 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

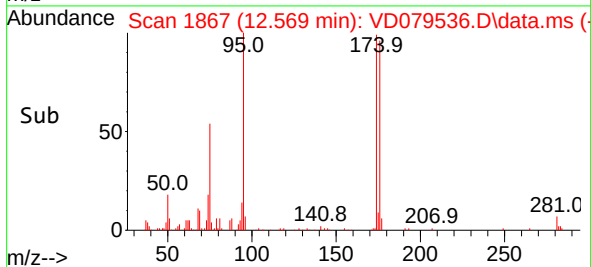
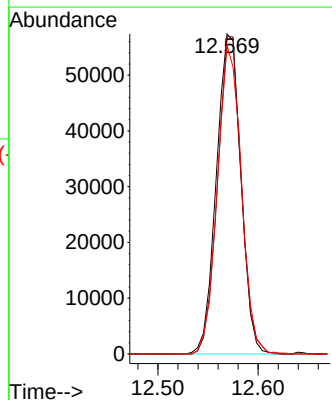
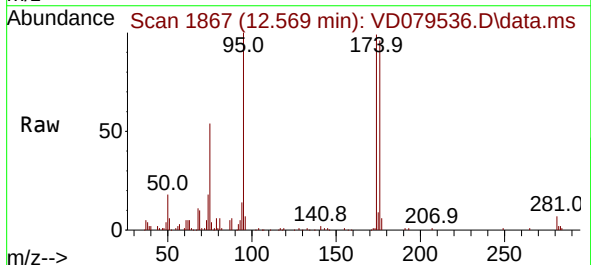
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

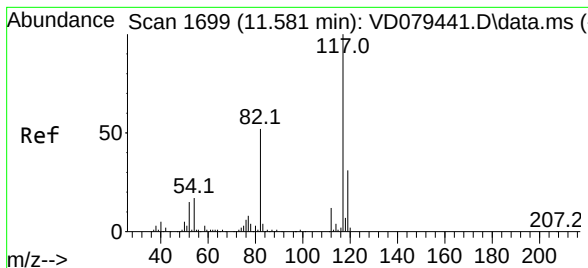
Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
58 179.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 42.407 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

Tgt Ion: 95 Resp: 97116
Ion Ratio Lower Upper
95 100
174 95.8 0.0 195.4
176 94.3 0.0 192.6

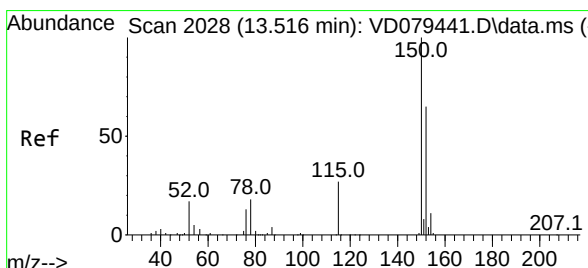
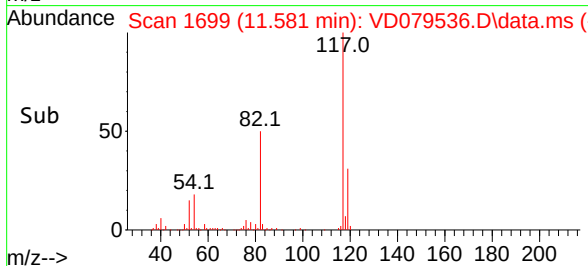
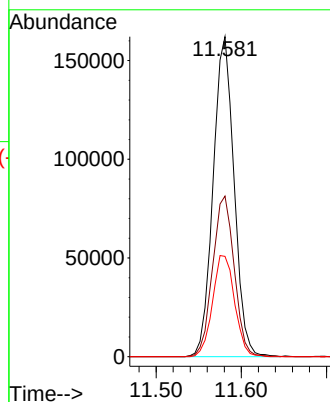
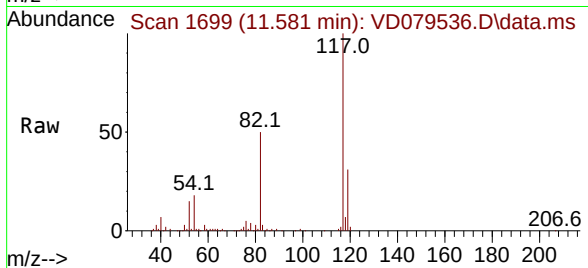




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

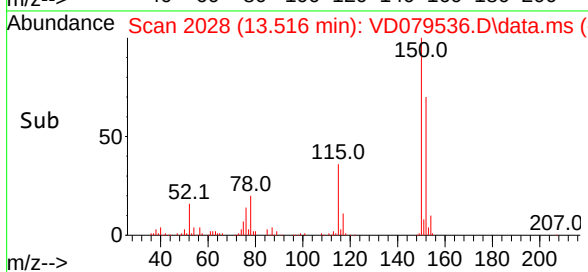
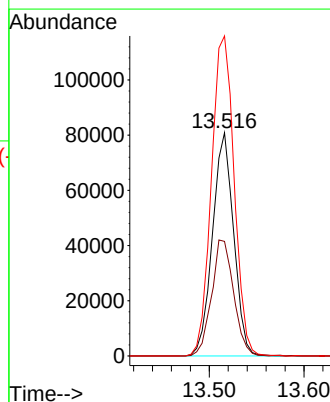
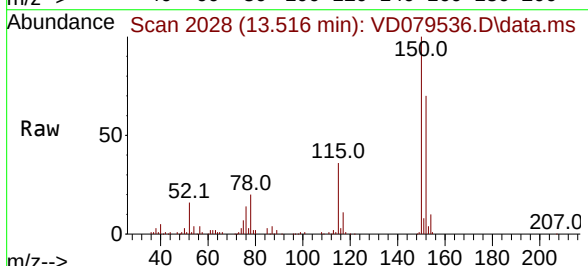
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

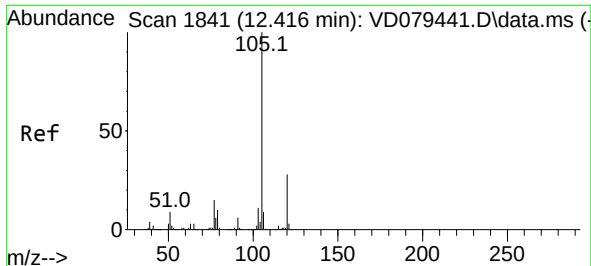
Tgt Ion:117 Resp: 277616
Ion Ratio Lower Upper
117 100
82 50.2 39.8 59.6
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

Tgt Ion:152 Resp: 125450
Ion Ratio Lower Upper
152 100
115 54.1 26.5 79.5
150 153.9 0.0 341.6

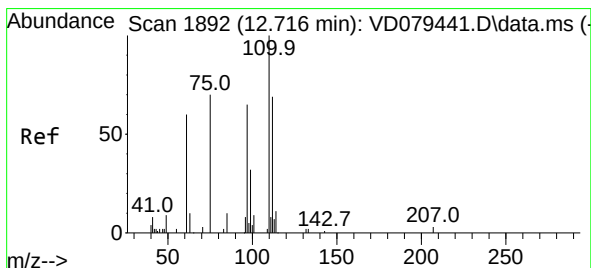
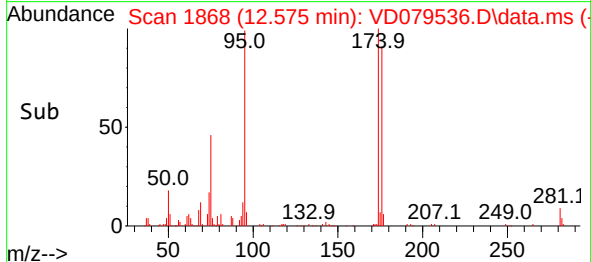
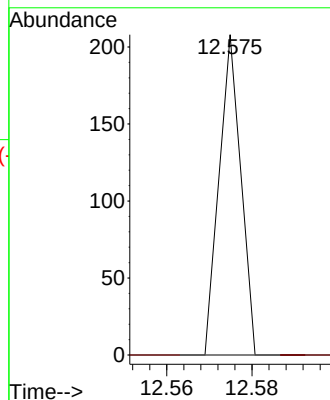
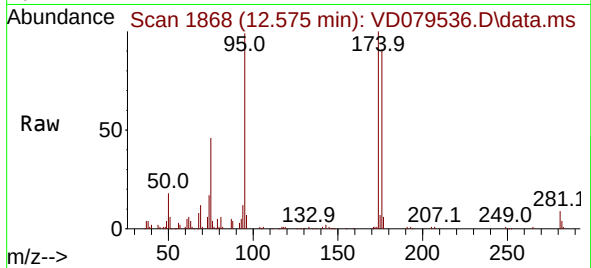




#73
Isopropylbenzene
Concen: 3.635 ug/l
RT: 12.575 min Scan# 1867
Delta R.T. 0.159 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

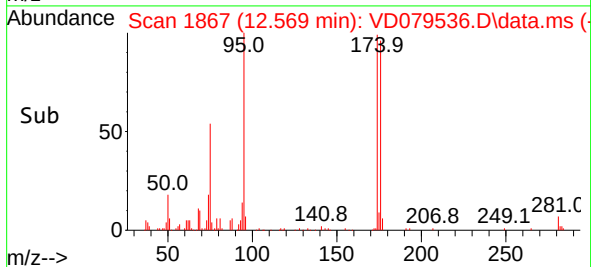
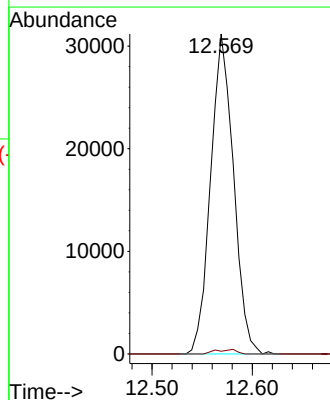
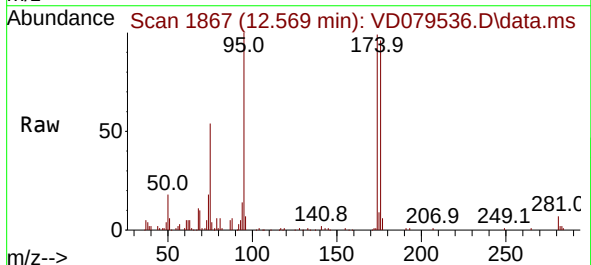
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

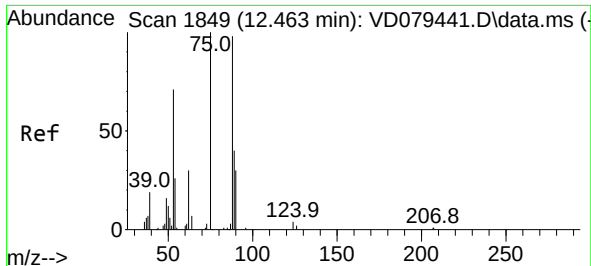
Tgt Ion:105 Resp: 73
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 45.212 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

Tgt Ion: 75 Resp: 49577
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

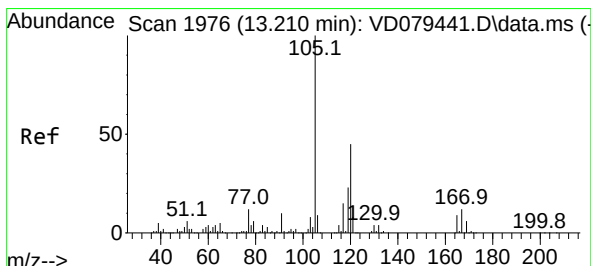
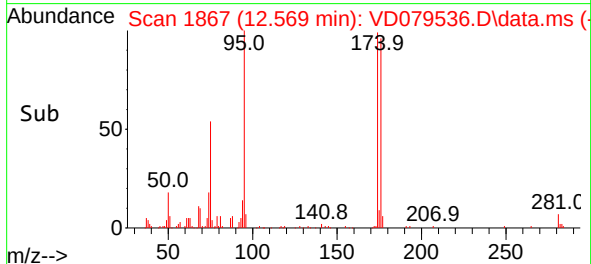
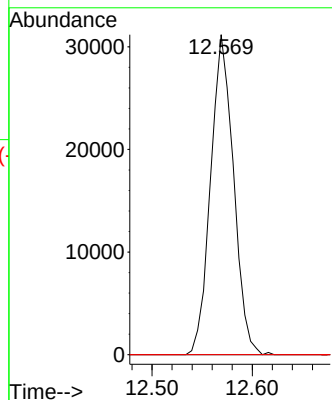
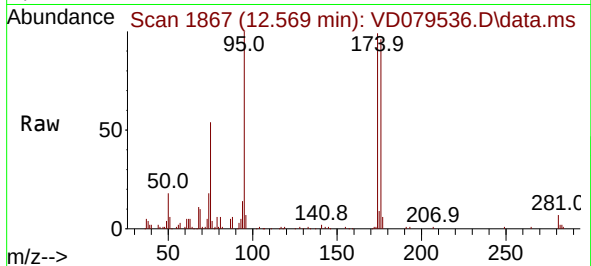




#81
trans-1,4-Dichloro-2-butene
Concen: 86.231 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

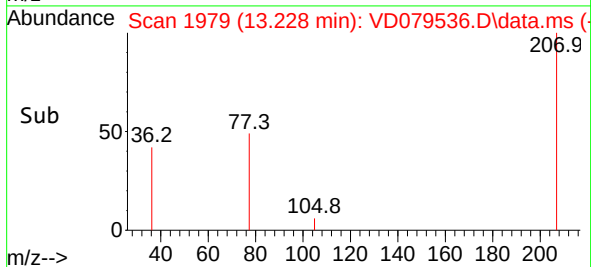
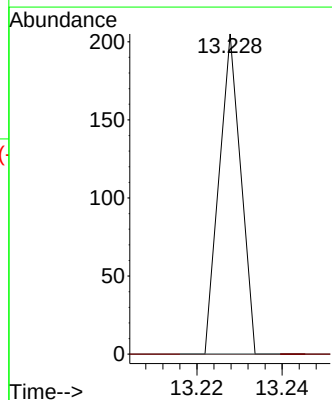
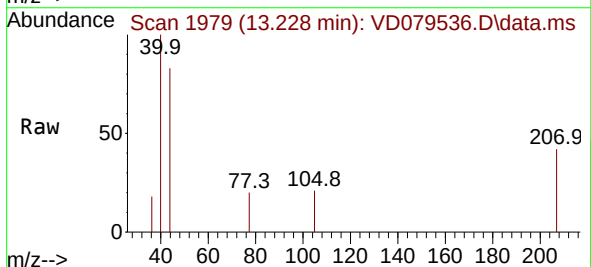
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-14.5-15-072024

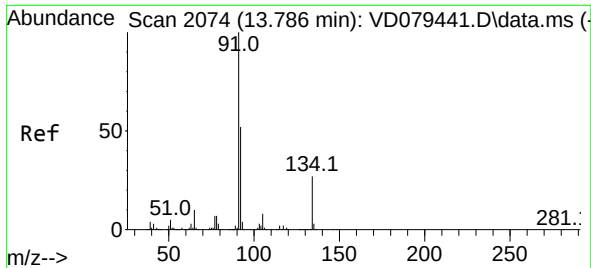
Tgt Ion: 75 Resp: 49577
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.437 ug/l
RT: 13.228 min Scan# 1979
Delta R.T. 0.024 min
Lab File: VD079536.D
Acq: 01 Aug 2024 20:08

Tgt Ion: 105 Resp: 72
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#89

n-Butylbenzene

Concen: 3.788 ug/l

RT: 13.798 min Scan# 20

Delta R.T. 0.017 min

Lab File: VD079536.D

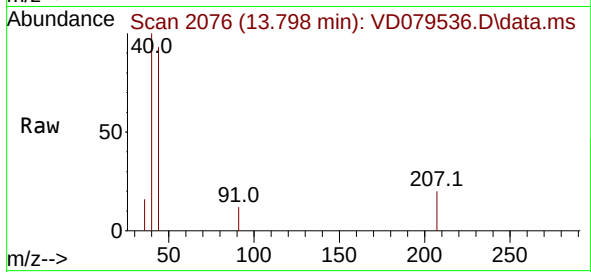
Acq: 01 Aug 2024 20:08

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-14.5-15-072024



Tgt Ion:	91	Resp:	54
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

