

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079648.D
 Acq On : 07 Aug 2024 18:30
 Operator : RP/MD
 Sample : P3393-10
 Misc : 8.40G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-851-GI-SO-14.5-15-072624

Quant Time: Aug 08 01:53:52 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)

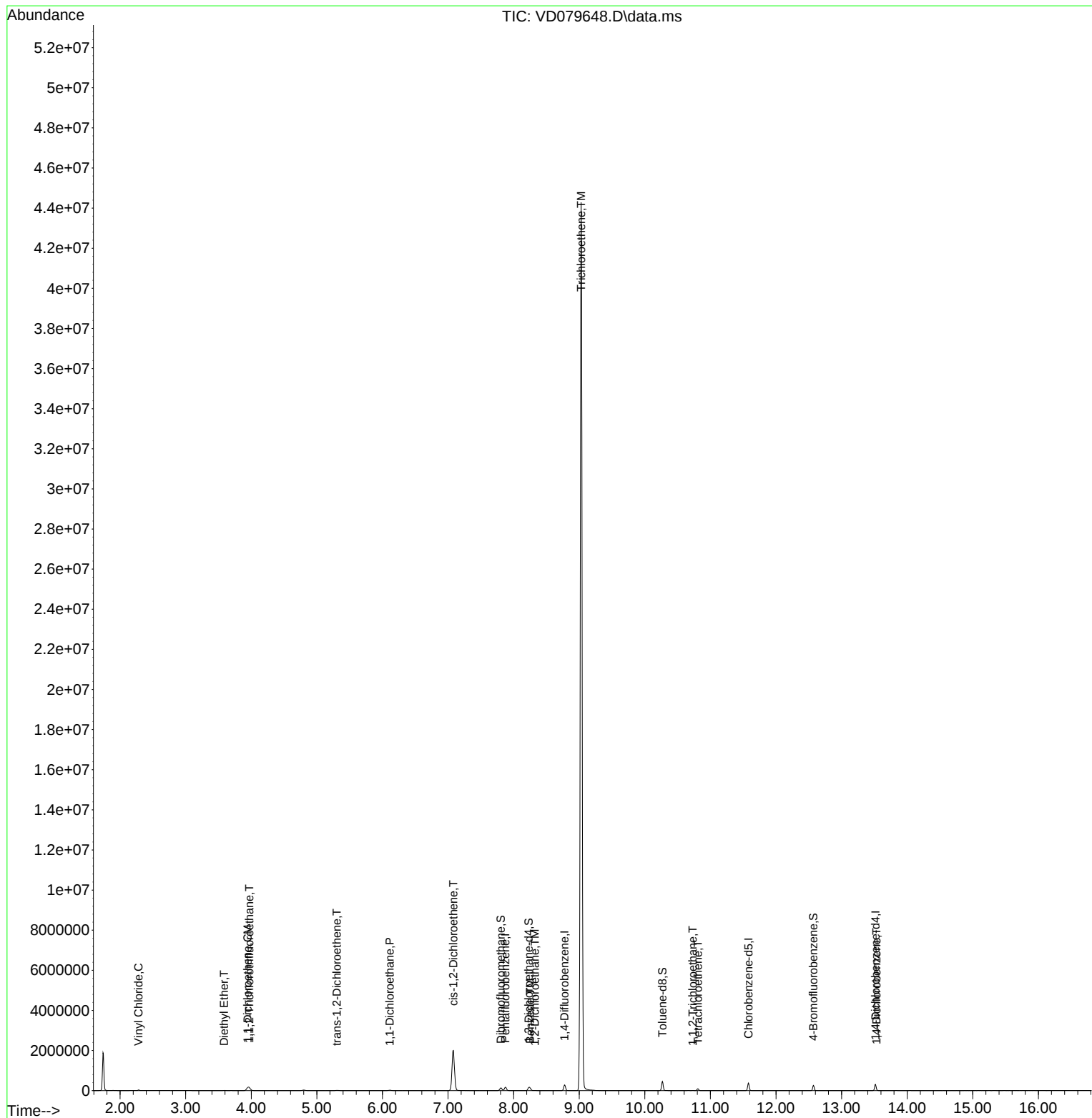
Internal Standards						
1) Pentafluorobenzene	7.875	168	133257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	260853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	226007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	86501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90698	66.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.000%
35) Dibromofluoromethane	7.805	113	101403	57.433	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.860%
50) Toluene-d8	10.269	98	324466	47.323	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.640%
62) 4-Bromofluorobenzene	12.569	95	79461	40.049	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.100%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.281	62	27516	12.029	ug/l	99
8) Diethyl Ether	3.587	74	4000	5.821	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.969	101	95834	66.609	ug/l	98
12) 1,1-Dichloroethene	3.946	96	47093	32.708	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	10491	6.486	ug/l	94
24) 1,1-Dichloroethane	6.111	63	30550	10.776	ug/l #	91
27) cis-1,2-Dichloroethene	7.081	96	1322165	715.140	ug/l	98
40) Benzene	8.252	78	100003	13.065	ug/l	95
42) 1,2-Dichloroethane	8.322	62	3313	1.816	ug/l	82
44) Trichloroethene	9.028	130	15351108	8056.883	ug/l	87
55) 1,1,2-Trichloroethane	10.728	97	2013	1.480	ug/l	88
64) Tetrachloroethene	10.810	164	22179	14.553	ug/l #	86
88) 1,4-Dichlorobenzene	13.534	146	5990	2.028	ug/l #	87

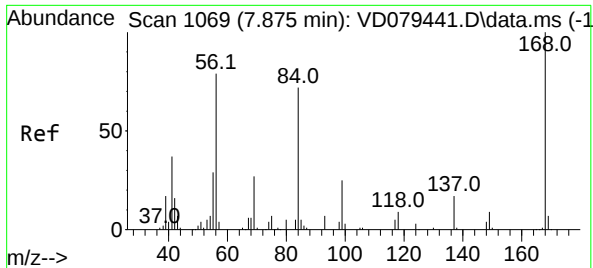
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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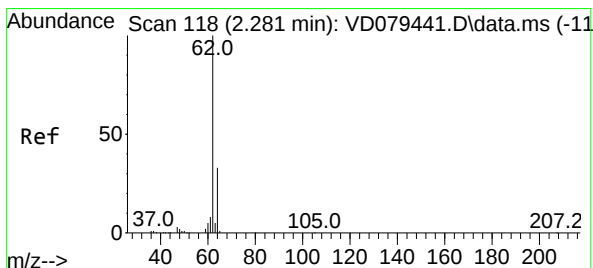
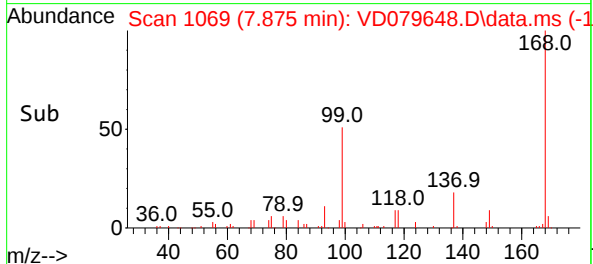
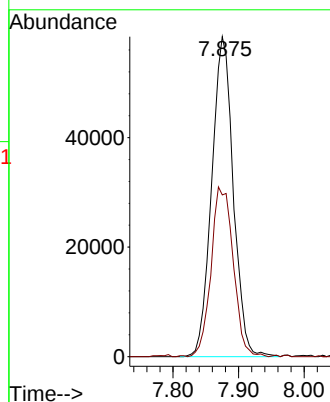
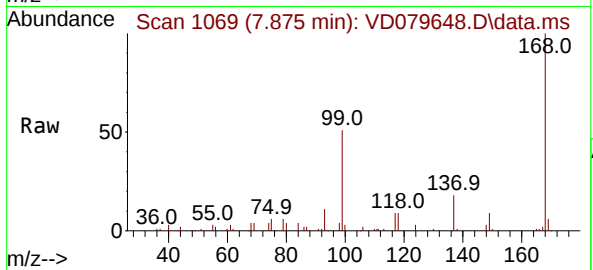




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

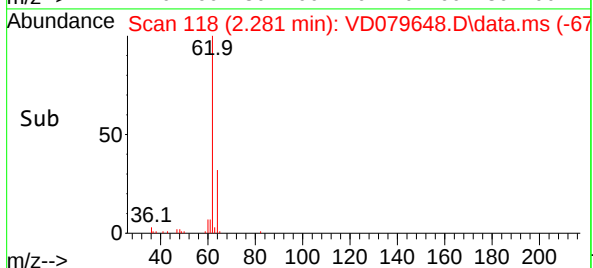
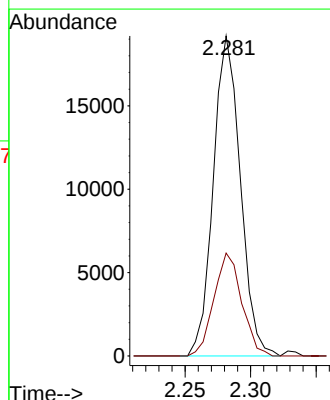
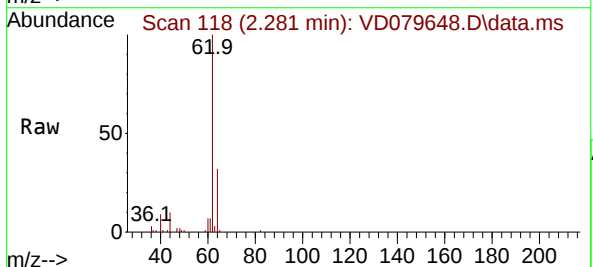
Instrument :
MSVOA_D
ClientSampleId :
S-851-GI-SO-14.5-15-072624

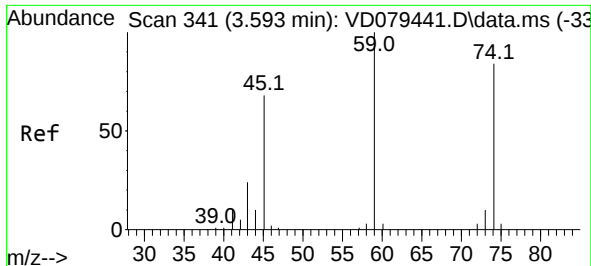
Tgt Ion:168 Resp: 133257
Ion Ratio Lower Upper
168 100
99 50.5 41.1 61.7



#4
Vinyl Chloride
Concen: 12.029 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

Tgt Ion: 62 Resp: 27516
Ion Ratio Lower Upper
62 100
64 32.2 26.3 39.5





#8

Diethyl Ether

Concen: 5.821 ug/l

RT: 3.587 min Scan# 341

Delta R.T. -0.006 min

Lab File: VD079648.D

Acq: 07 Aug 2024 18:30

Instrument :

MSVOA_D

ClientSampleId :

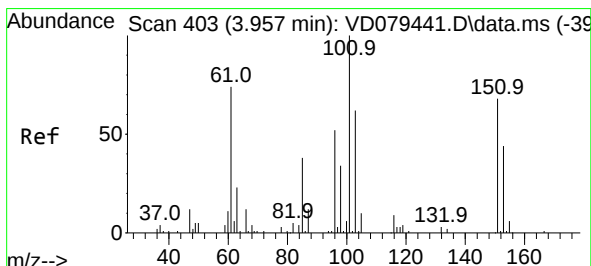
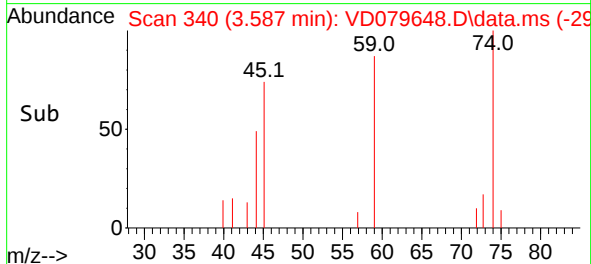
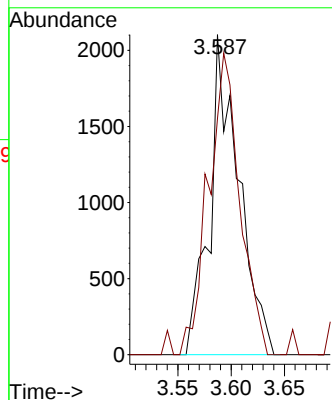
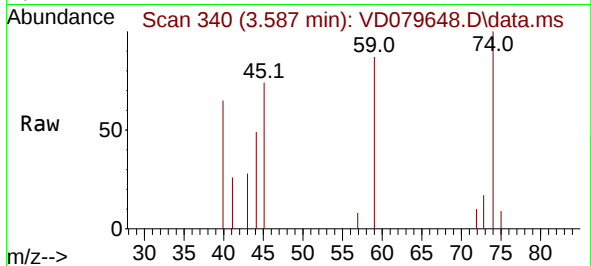
S-851-GI-SO-14.5-15-072624

Tgt Ion: 74 Resp: 4000

Ion Ratio Lower Upper

74 100

45 101.7 37.9 113.6



#9

1,1,2-Trichlorotrifluoroethane

Concen: 66.609 ug/l

RT: 3.969 min Scan# 405

Delta R.T. 0.006 min

Lab File: VD079648.D

Acq: 07 Aug 2024 18:30

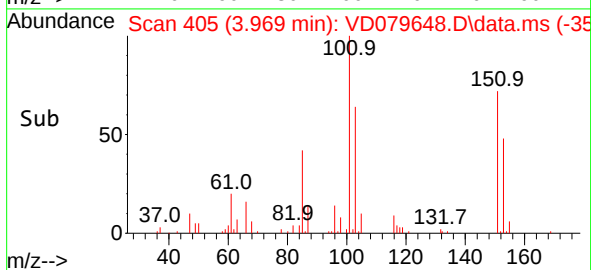
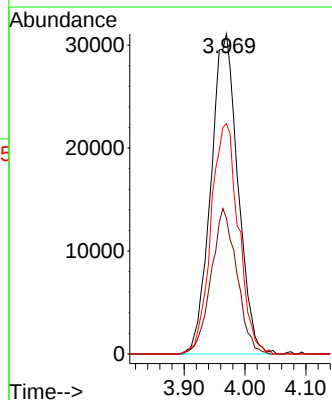
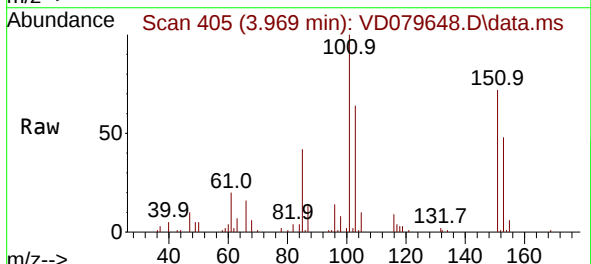
Tgt Ion:101 Resp: 95834

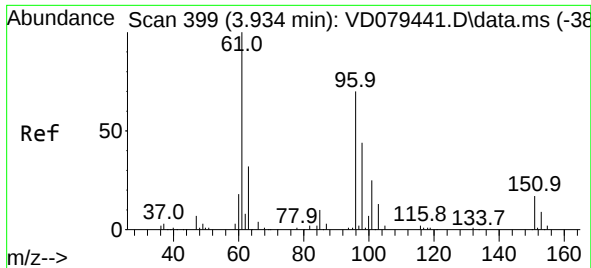
Ion Ratio Lower Upper

101 100

85 43.3 33.5 50.3

151 73.5 60.3 90.5

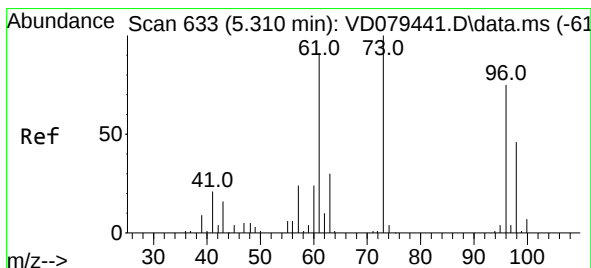
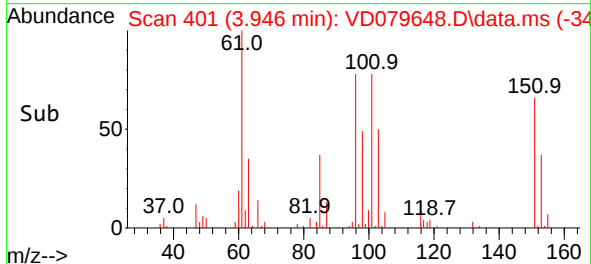
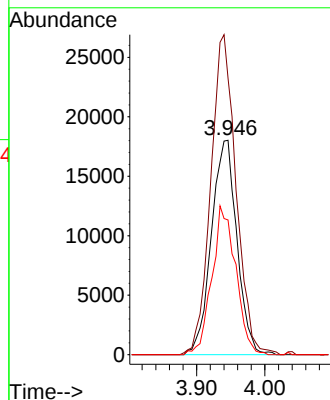
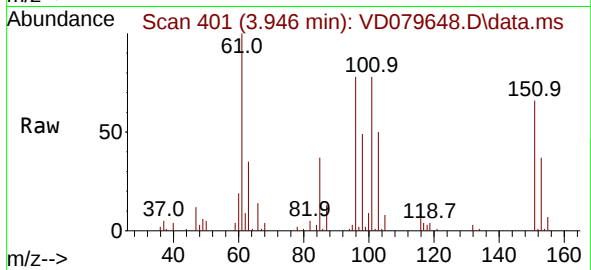




#12
1,1-Dichloroethene
Concen: 32.708 ug/l
RT: 3.946 min Scan# 401
Delta R.T. 0.018 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

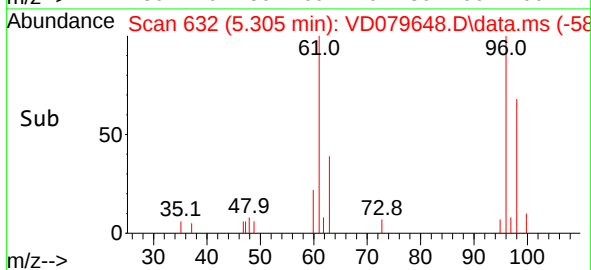
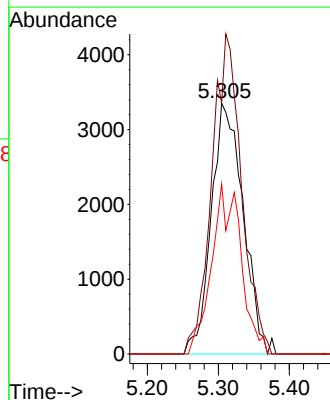
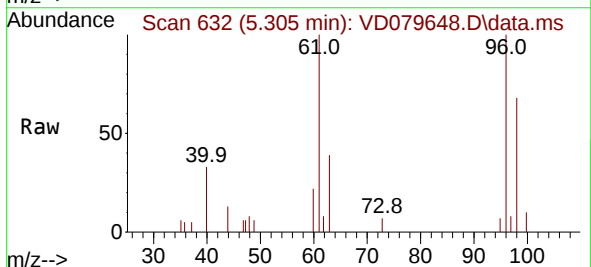
Instrument :
MSVOA_D
ClientSampleId :
S-851-GI-SO-14.5-15-072624

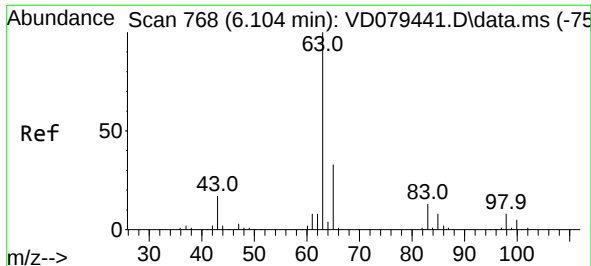
Tgt Ion: 96 Resp: 47093
Ion Ratio Lower Upper
96 100
61 128.9 107.3 160.9
98 62.8 51.7 77.5



#21
trans-1,2-Dichloroethene
Concen: 6.486 ug/l
RT: 5.305 min Scan# 632
Delta R.T. -0.006 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

Tgt Ion: 96 Resp: 10491
Ion Ratio Lower Upper
96 100
61 100.0 84.5 126.7
98 67.8 50.5 75.7

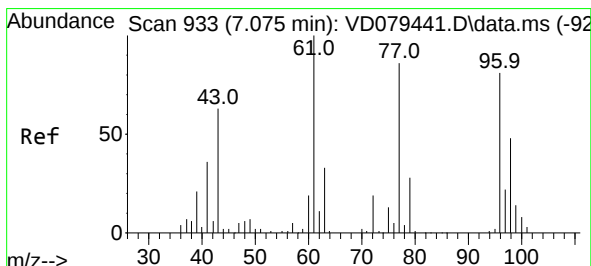
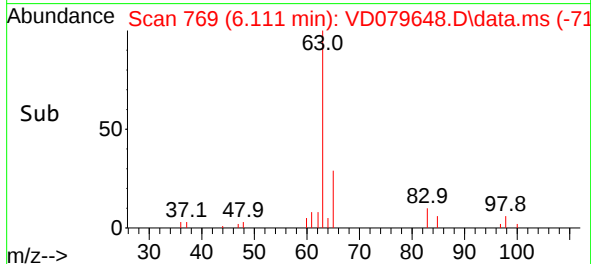
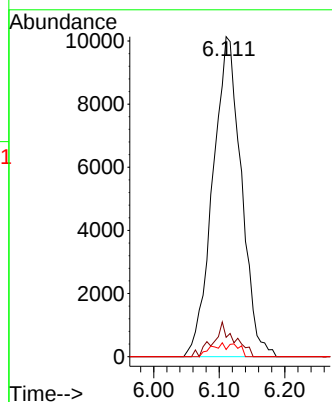
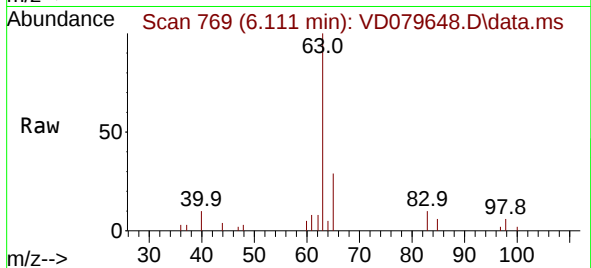




#24
1,1-Dichloroethane
Concen: 10.776 ug/l
RT: 6.111 min Scan# 71
Delta R.T. 0.006 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

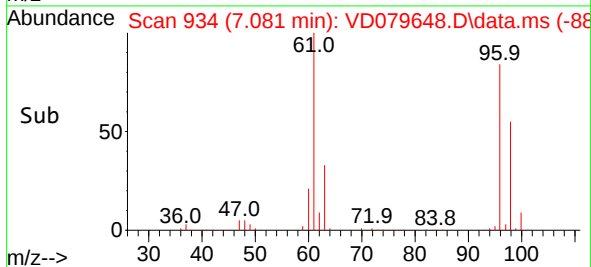
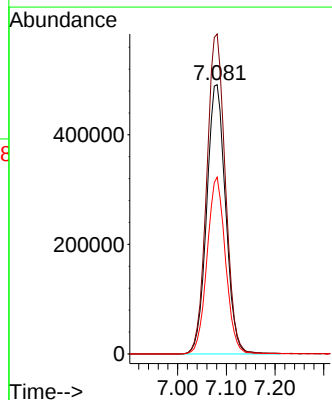
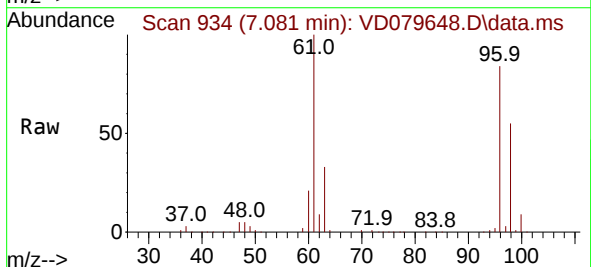
Instrument :
MSVOA_D
ClientSampleId :
S-851-GI-SO-14.5-15-072624

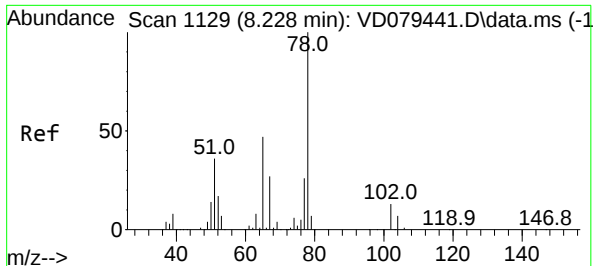
Tgt Ion: 63 Resp: 30550
Ion Ratio Lower Upper
63 100
98 6.1 4.7 14.0
100 2.3 2.9 8.6#



#27
cis-1,2-Dichloroethene
Concen: 715.140 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

Tgt Ion: 96 Resp: 1322165
Ion Ratio Lower Upper
96 100
61 117.7 0.0 229.0
98 64.1 0.0 127.2





#33

1,2-Dichloroethane-d4

Concen: 66.997 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079648.D

Acq: 07 Aug 2024 18:30

Instrument :

MSVOA_D

ClientSampleId :

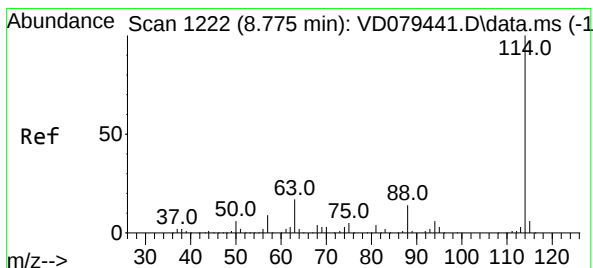
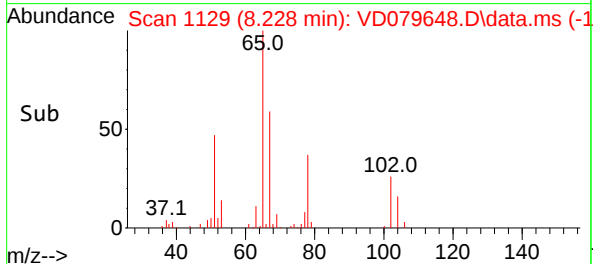
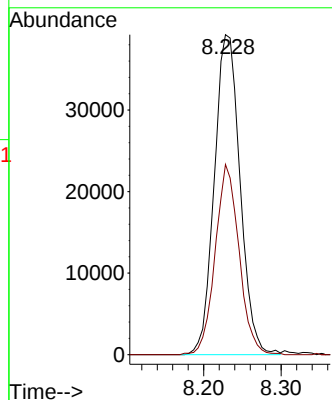
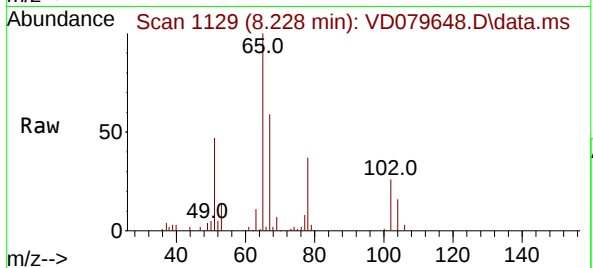
S-851-GI-SO-14.5-15-072624

Tgt Ion: 65 Resp: 90698

Ion Ratio Lower Upper

65 100

67 55.1 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: VD079648.D

Acq: 07 Aug 2024 18:30

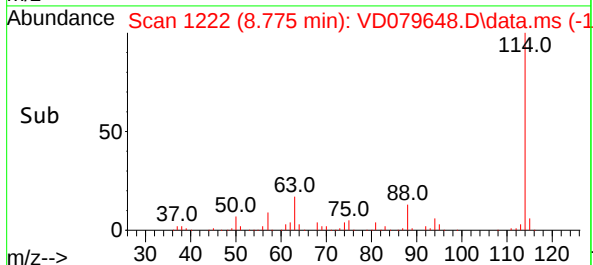
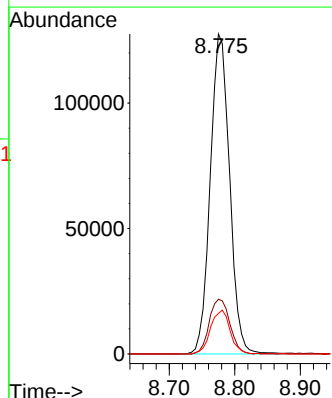
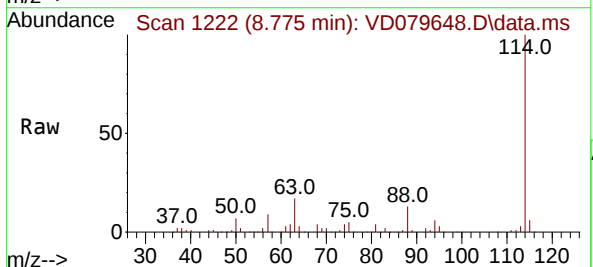
Tgt Ion: 114 Resp: 260853

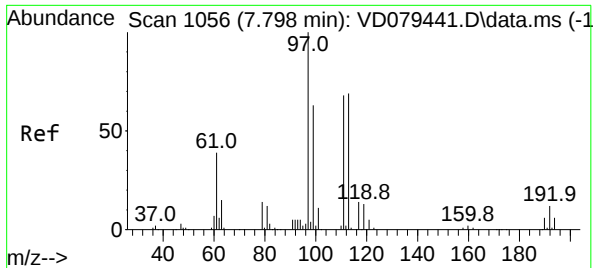
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.0

88 12.6 0.0 27.2

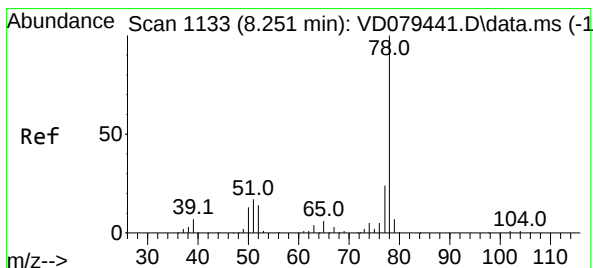
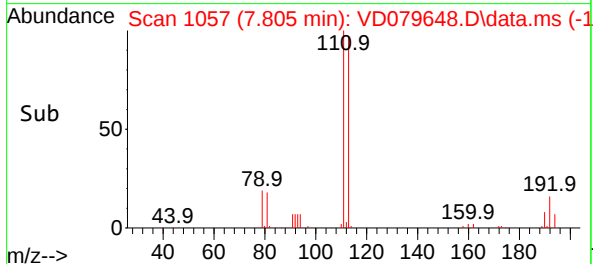
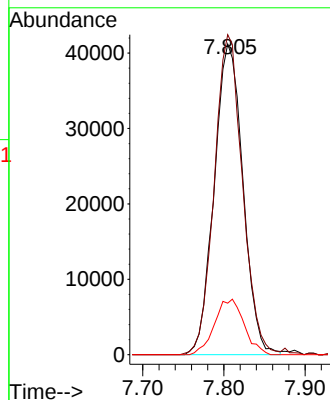
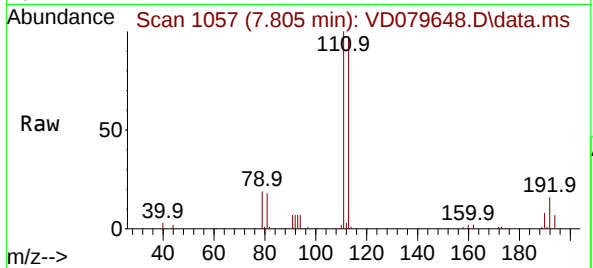




#35
Dibromofluoromethane
Concen: 57.433 ug/l
RT: 7.805 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

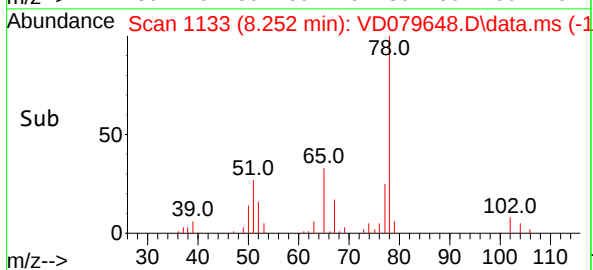
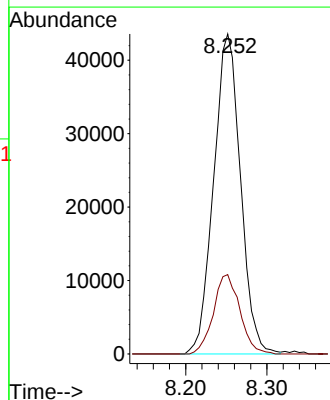
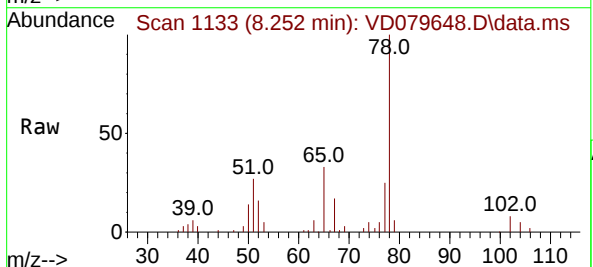
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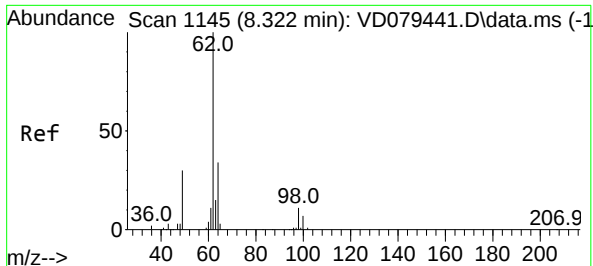
Tgt Ion:113 Resp: 101403
Ion Ratio Lower Upper
113 100
111 100.8 84.0 126.0
192 18.4 15.4 23.0



#40
Benzene
Concen: 13.065 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

Tgt Ion: 78 Resp: 100003
Ion Ratio Lower Upper
78 100
77 24.8 18.1 27.1





#42

1,2-Dichloroethane

Concen: 1.816 ug/l

RT: 8.322 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VD079648.D

Acq: 07 Aug 2024 18:30

Instrument :

MSVOA_D

ClientSampleId :

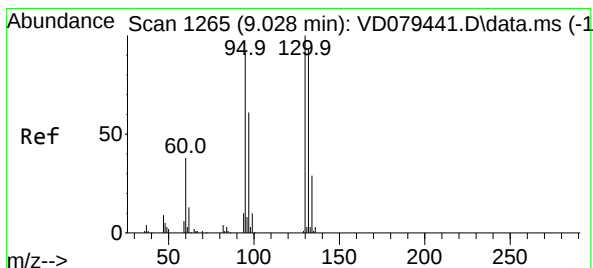
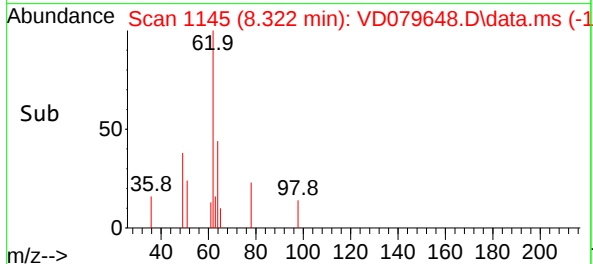
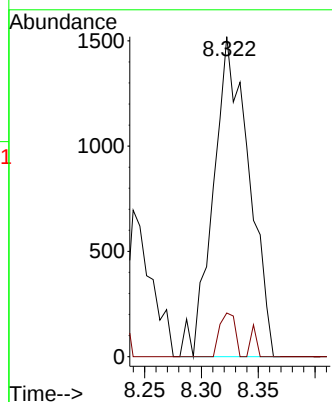
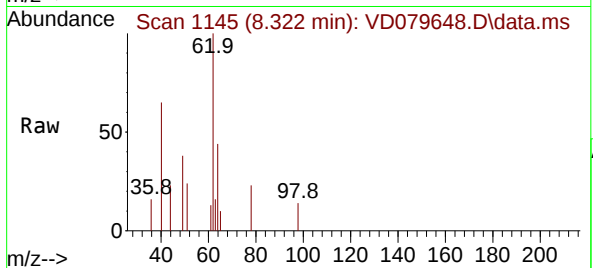
S-851-GI-SO-14.5-15-072624

Tgt Ion: 62 Resp: 3313

Ion Ratio Lower Upper

62 100

98 5.9 0.0 25.8



#44

Trichloroethene

Concen: 8056.883 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079648.D

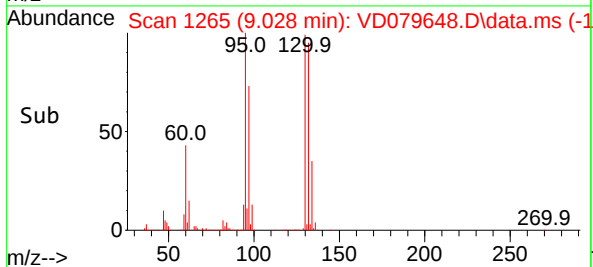
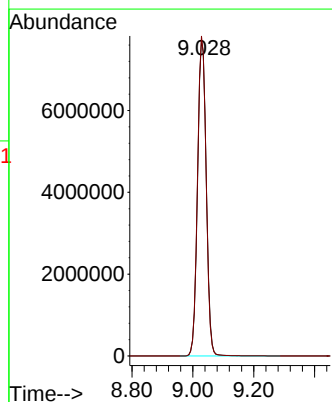
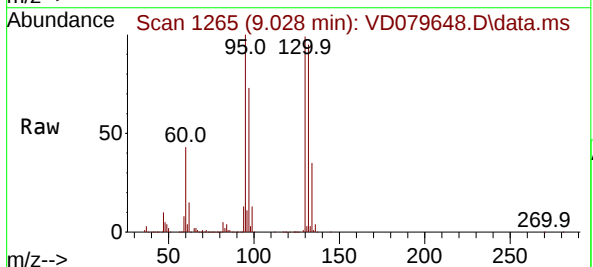
Acq: 07 Aug 2024 18:30

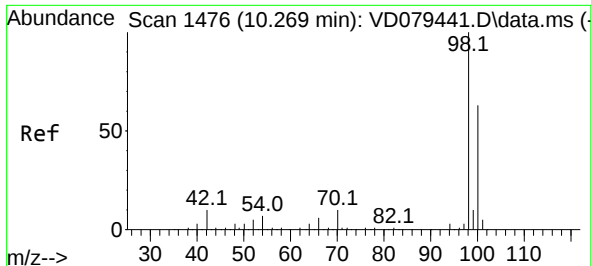
Tgt Ion: 130 Resp: 15351108

Ion Ratio Lower Upper

130 100

95 101.3 0.0 177.8

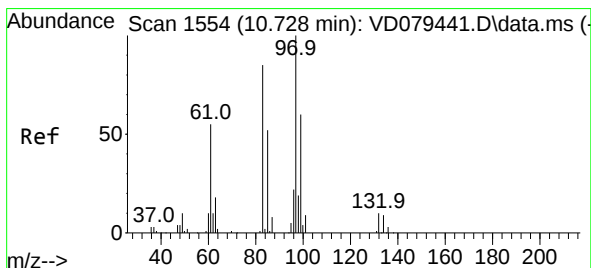
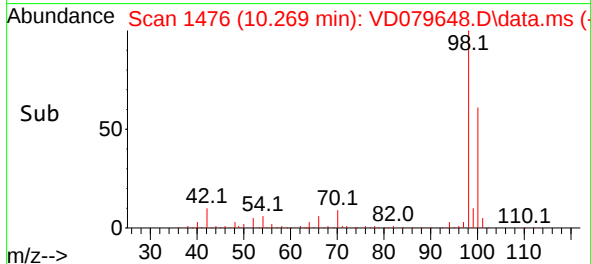
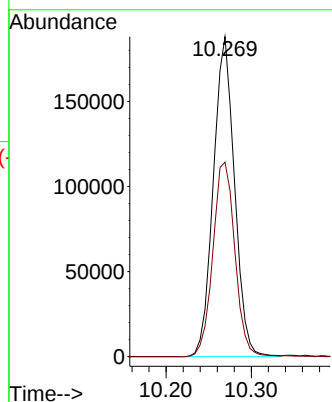
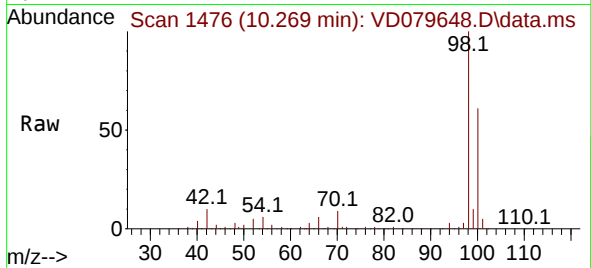




#50
Toluene-d8
Concen: 47.323 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

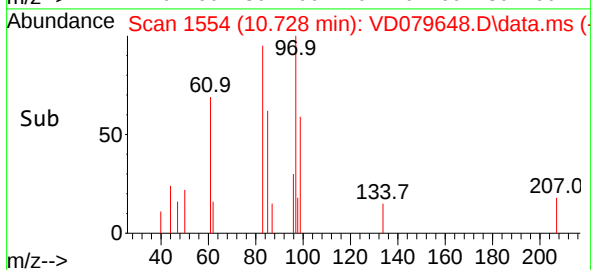
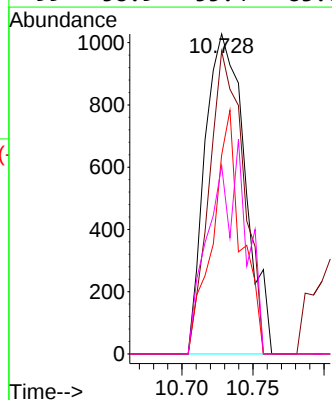
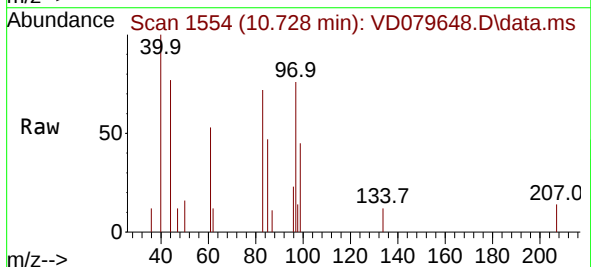
Instrument :
MSVOA_D
ClientSampleId :
S-851-GI-SO-14.5-15-072624

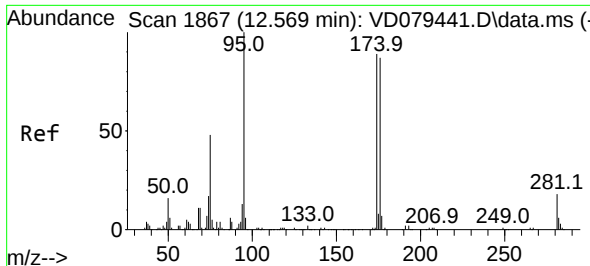
Tgt Ion: 98 Resp: 324466
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



#55
1,1,2-Trichloroethane
Concen: 1.480 ug/l
RT: 10.728 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

Tgt Ion: 97 Resp: 2013
Ion Ratio Lower Upper
97 100
83 94.6 65.8 98.8
85 62.2 43.8 65.8
99 58.9 55.4 83.0

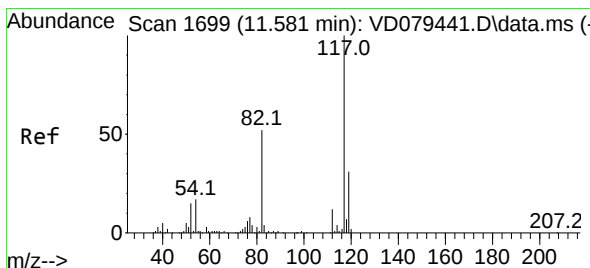
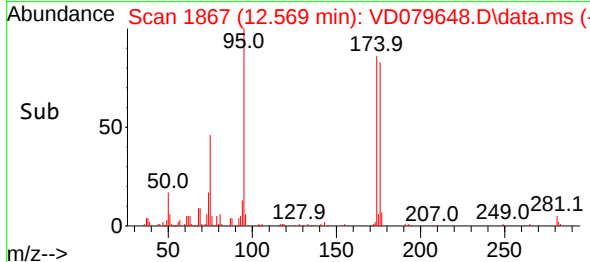
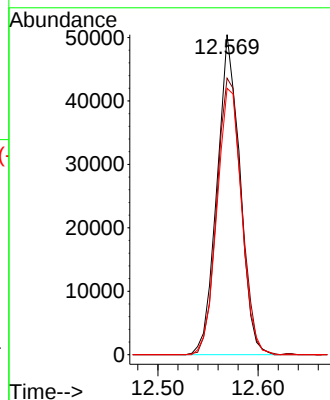
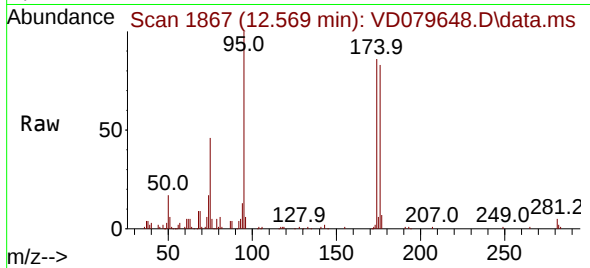




#62
4-Bromofluorobenzene
Concen: 40.049 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

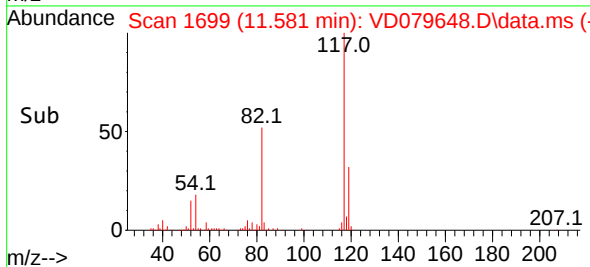
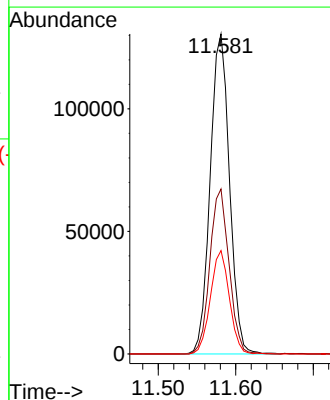
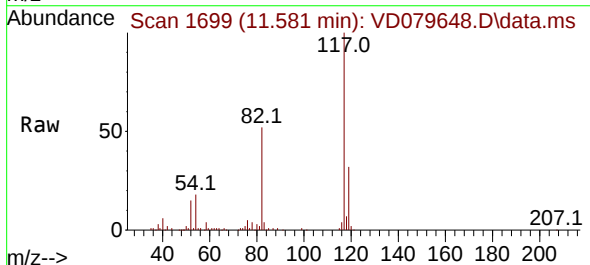
Instrument :
MSVOA_D
ClientSampleId :
S-851-GI-SO-14.5-15-072624

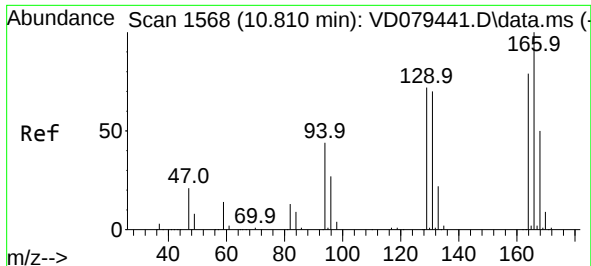
Tgt Ion:	95	Resp:	79461
Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	195.4
176	89.9	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

Tgt Ion:	117	Resp:	226007
Ion	Ratio	Lower	Upper
117	100		
82	51.6	39.8	59.6
119	32.3	25.7	38.5

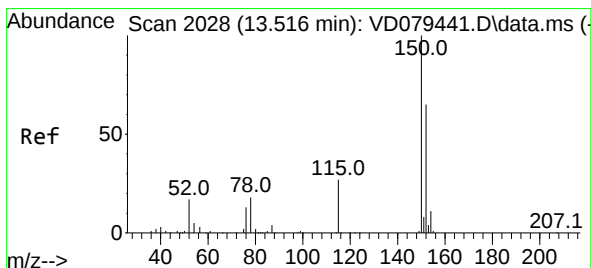
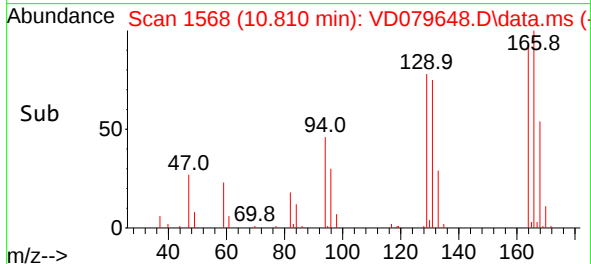
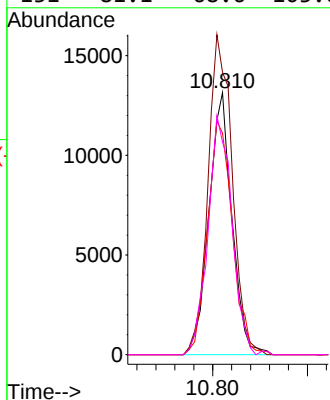
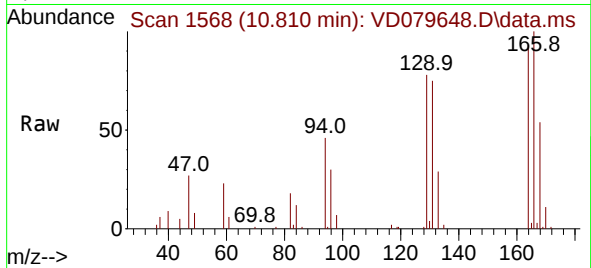




#64
Tetrachloroethene
Concen: 14.553 ug/l
RT: 10.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

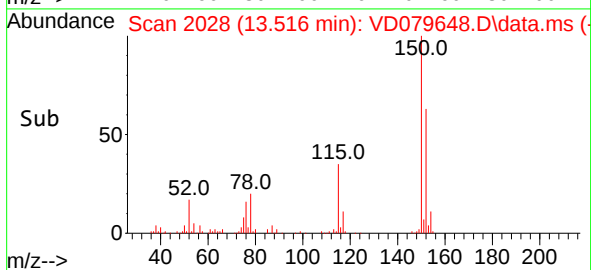
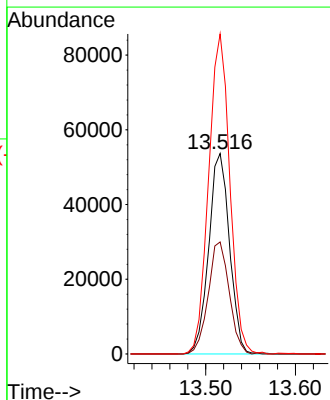
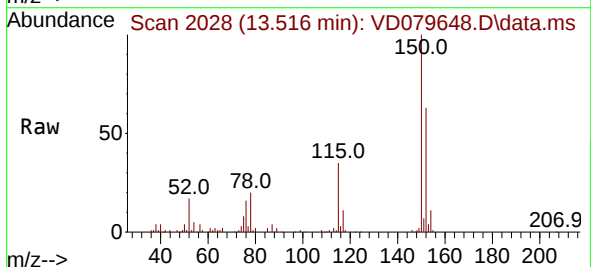
Instrument :
MSVOA_D
ClientSampleId :
S-851-GI-SO-14.5-15-072624

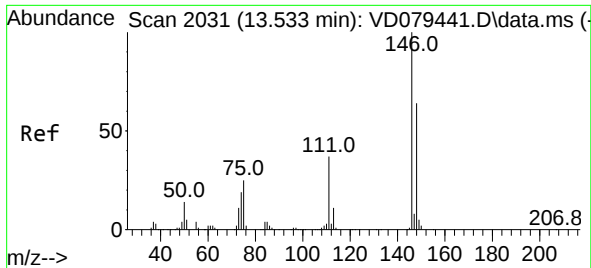
Tgt Ion:164 Resp: 22179
Ion Ratio Lower Upper
164 100
166 107.7 108.6 163.0#
129 84.5 74.6 112.0
131 81.1 68.6 103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079648.D
Acq: 07 Aug 2024 18:30

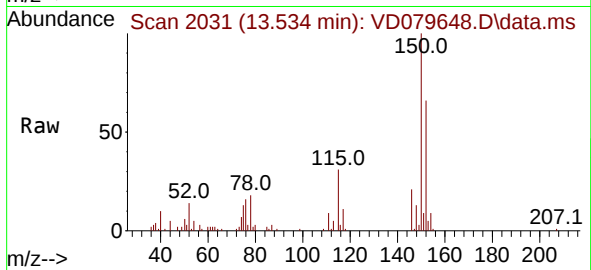
Tgt Ion:152 Resp: 86501
Ion Ratio Lower Upper
152 100
115 56.5 26.5 79.5
150 161.8 0.0 341.6





#88
 1,4-Dichlorobenzene
 Concen: 2.028 ug/l
 RT: 13.534 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: VD079648.D
 Acq: 07 Aug 2024 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 S-851-GI-SO-14.5-15-072624



Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.4	17.5	52.6
148	63.8	31.4	94.2

