

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079650.D
 Acq On : 07 Aug 2024 19:25
 Operator : RP/MD
 Sample : P3393-15
 Misc : 7.31G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:54:41 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)

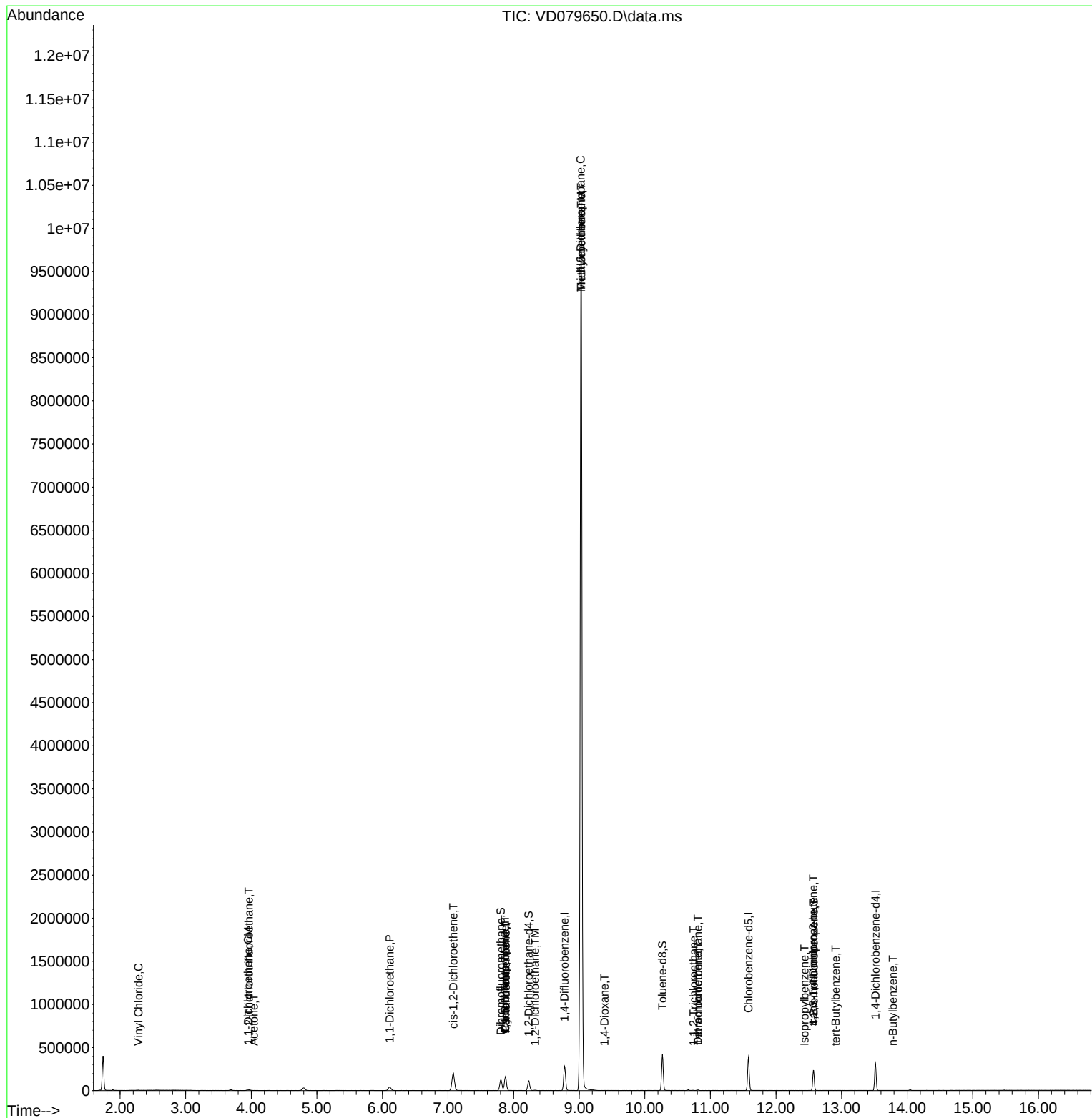
Internal Standards						
1) Pentafluorobenzene	7.881	168	125477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	261037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	223469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	87584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85450	67.034	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.060%
35) Dibromofluoromethane	7.805	113	95002	53.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.540%
50) Toluene-d8	10.269	98	296123	43.159	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.320%
62) 4-Bromofluorobenzene	12.575	95	72577	36.554	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.100%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.281	62	2409	1.118	ug/l	97
5) Bromomethane	2.693	94	304	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	3.964	101	6967	5.143	ug/l	94
12) 1,1-Dichloroethene	3.952	96	2288	1.688	ug/l #	68
16) Acetone	4.040	43	937	3.782	ug/l #	37
20) Methylene Chloride	4.799	84	24940	Below Cal	#	88
24) 1,1-Dichloroethane	6.111	63	60055	22.498	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	133701	76.801	ug/l	100
31) Cyclohexane	7.875	56	2988	1.411	ug/l #	29
36) 1,1-Dichloropropene	7.869	75	9692	4.019	ug/l #	48
38) Carbon Tetrachloride	7.869	117	12169	4.800	ug/l #	17
39) Methylcyclohexane	9.028	83	45180	15.702	ug/l #	1
42) 1,2-Dichloroethane	8.328	62	3999	2.191	ug/l	87
44) Trichloroethene	9.028	130	3623738	1900.544	ug/l	86
45) 1,2-Dichloropropane	9.022	63	9315	4.997	ug/l #	1
49) 1,4-Dioxane	9.387	88	446	41.654	ug/l #	81
55) 1,1,2-Trichloroethane	10.746	97	1508	1.108	ug/l #	53
60) Dibromochloromethane	10.810	129	3161	1.778	ug/l #	11
64) Tetrachloroethene	10.810	164	3191	2.118	ug/l	89
73) Isopropylbenzene	12.434	105	76	3.638	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	35804	46.768	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	35804	89.199	ug/l #	19
83) tert-Butylbenzene	12.910	119	54	3.638	ug/l #	31
89) n-Butylbenzene	13.781	91	136	3.804	ug/l #	34

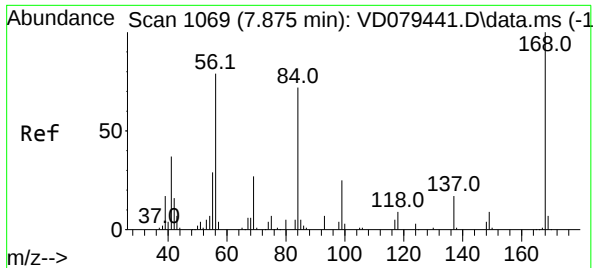
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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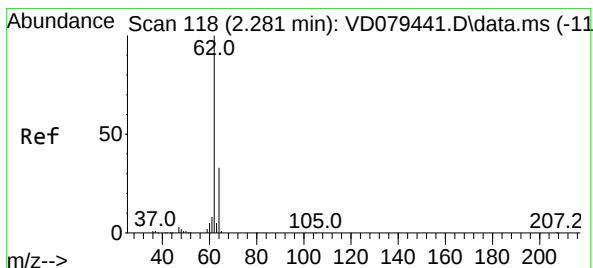
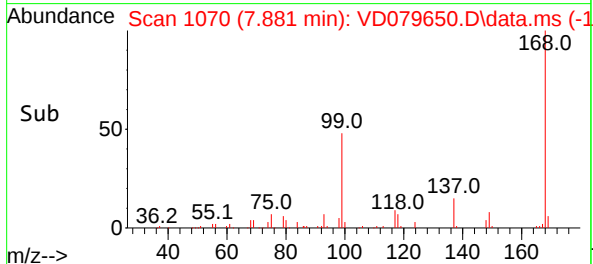
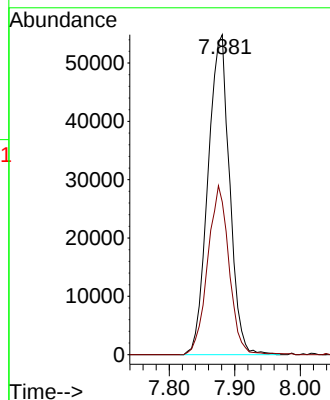
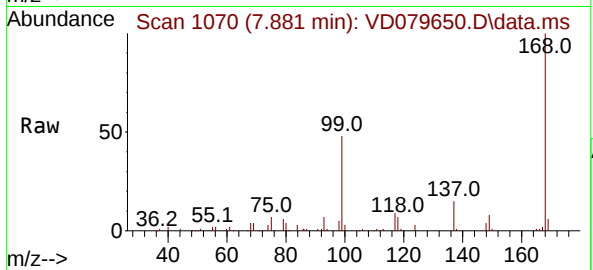




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

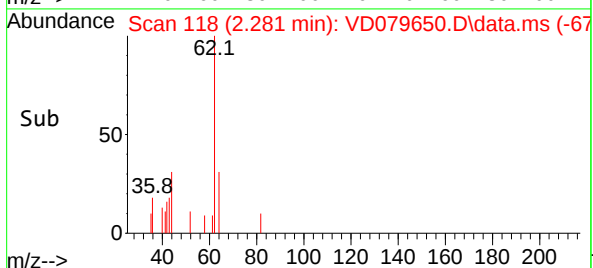
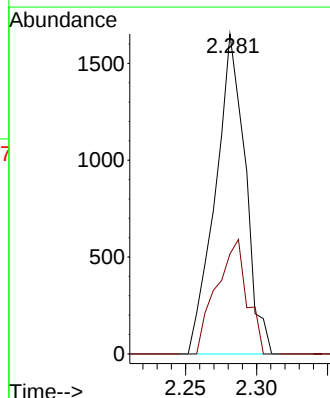
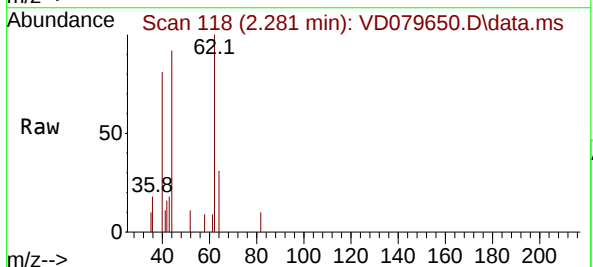
Instrument :
MSVOA_D
ClientSampleId :

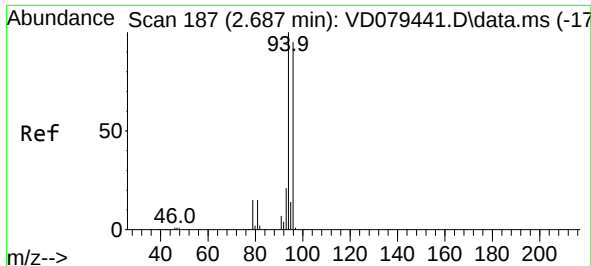
Tgt Ion:168 Resp: 125477
Ion Ratio Lower Upper
168 100
99 47.7 41.1 61.7



#4
Vinyl Chloride
Concen: 1.118 ug/l
RT: 2.281 min Scan# 118
Delta R.T. -0.000 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

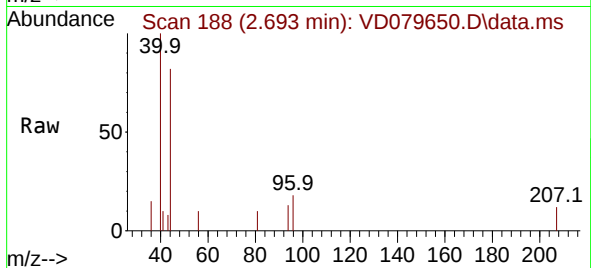
Tgt Ion: 62 Resp: 2409
Ion Ratio Lower Upper
62 100
64 31.2 26.3 39.5



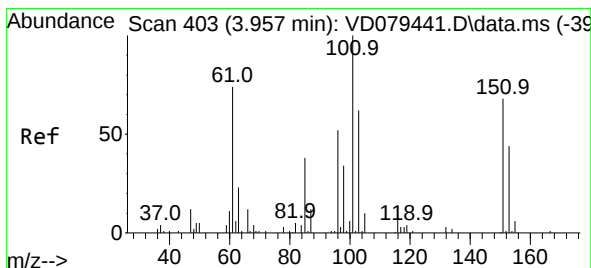
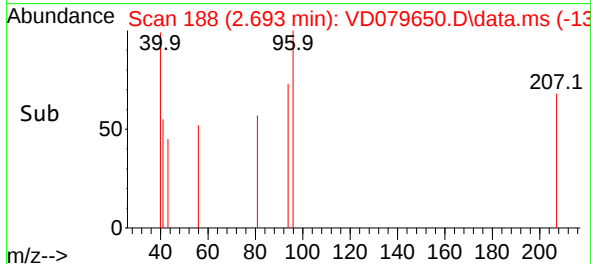
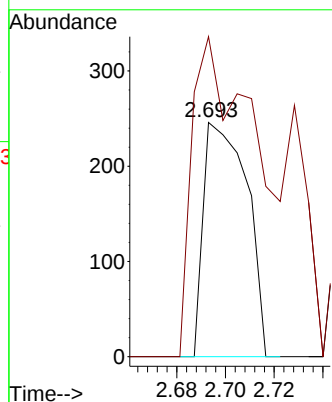


#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Instrument :
MSVOA_D
ClientSampleId :

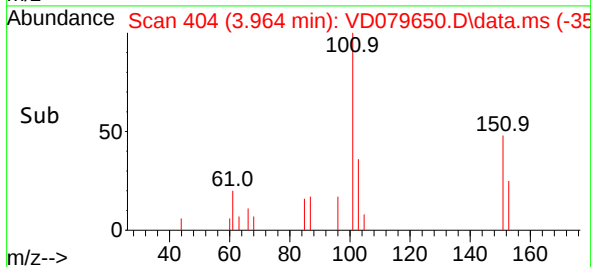
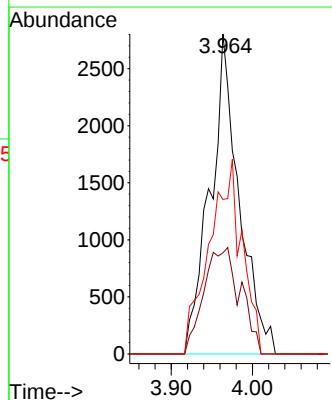
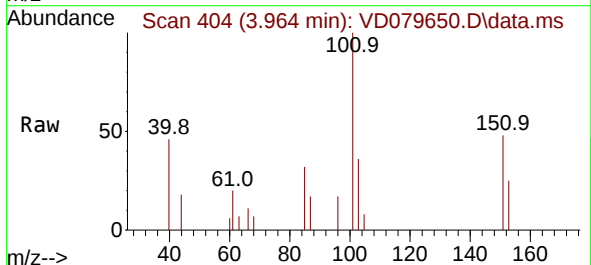


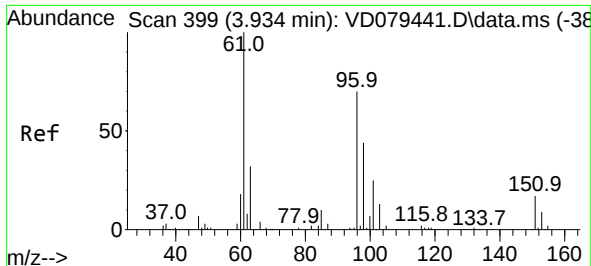
Tgt Ion: 94 Resp: 304
Ion Ratio Lower Upper
94 100
96 270.7 76.9 115.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.143 ug/l
RT: 3.964 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Tgt Ion:101 Resp: 6967
Ion Ratio Lower Upper
101 100
85 41.9 33.5 50.3
151 68.0 60.3 90.5





#12

1,1-Dichloroethene

Concen: 1.688 ug/l

RT: 3.952 min Scan# 402

Delta R.T. 0.023 min

Lab File: VD079650.D

Acq: 07 Aug 2024 19:25

Instrument :

MSVOA_D

ClientSampleId :

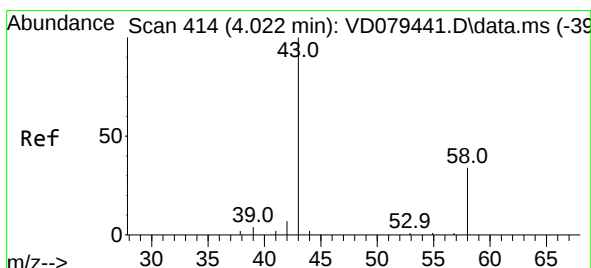
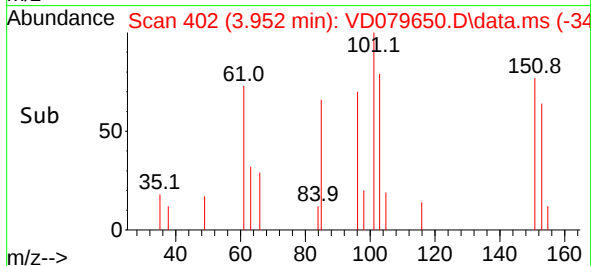
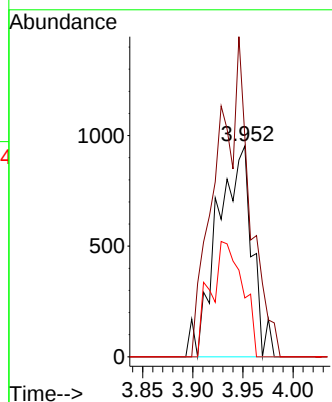
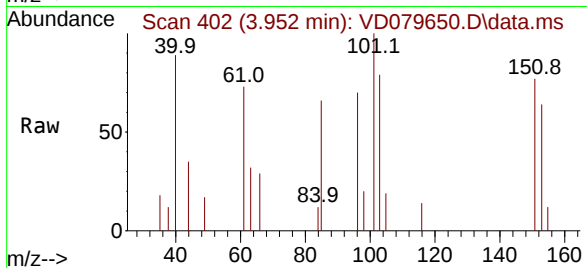
Tgt Ion: 96 Resp: 2288

Ion Ratio Lower Upper

96 100

61 104.4 107.3 160.9#

98 27.9 51.7 77.5#



#16

Acetone

Concen: 3.782 ug/l

RT: 4.040 min Scan# 417

Delta R.T. 0.018 min

Lab File: VD079650.D

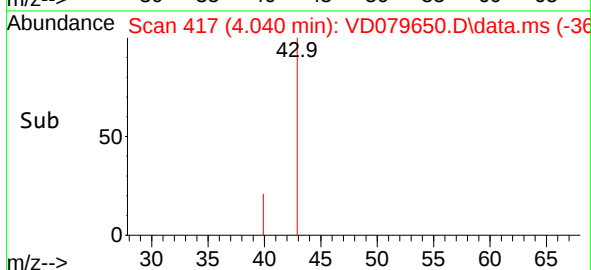
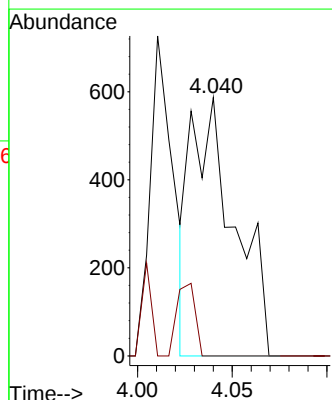
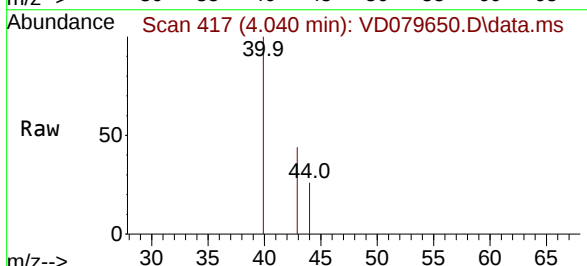
Acq: 07 Aug 2024 19:25

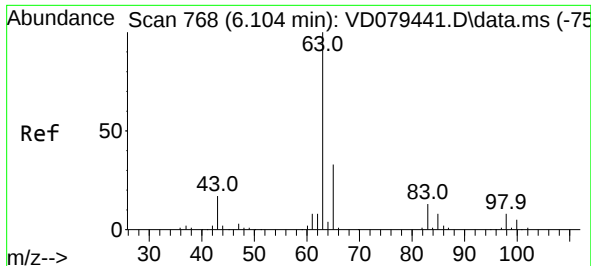
Tgt Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

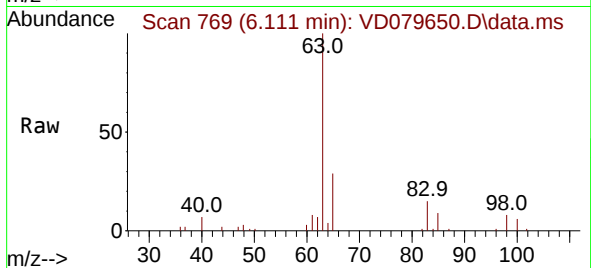
58 0.0 30.4 45.6#



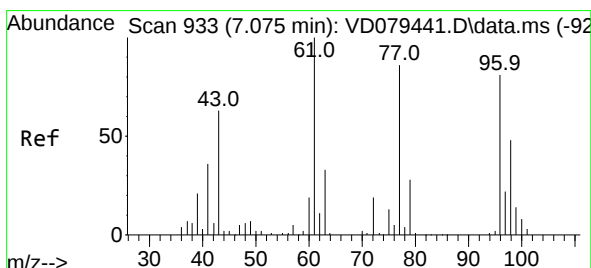
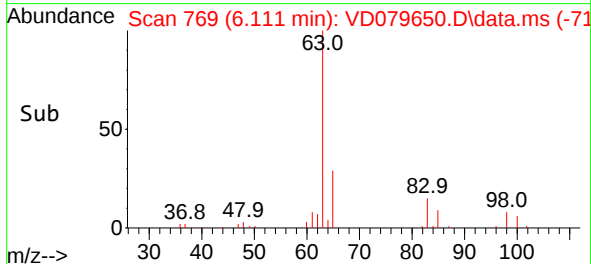
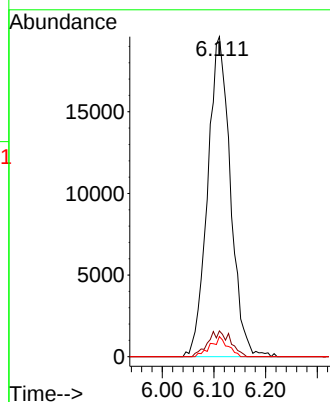


#24
 1,1-Dichloroethane
 Concen: 22.498 ug/l
 RT: 6.111 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: VD079650.D
 Acq: 07 Aug 2024 19:25

Instrument :
 MSVOA_D
 ClientSampleId :

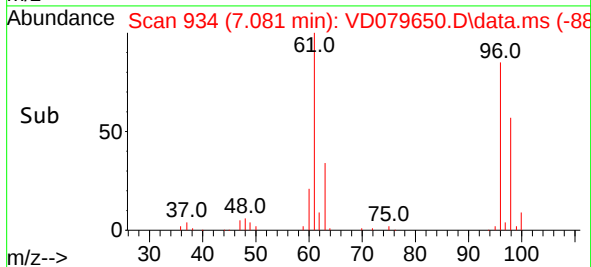
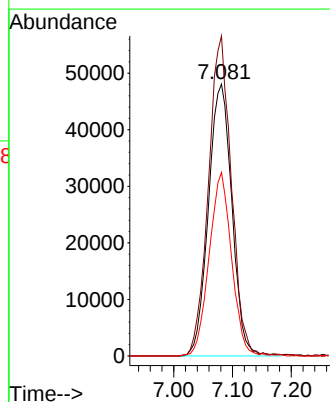
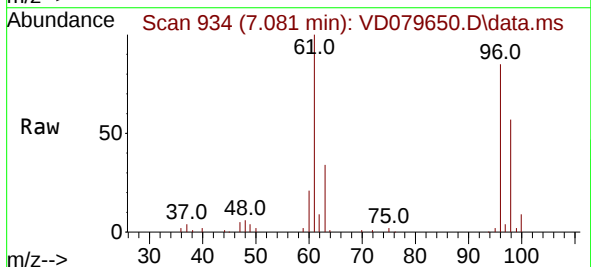


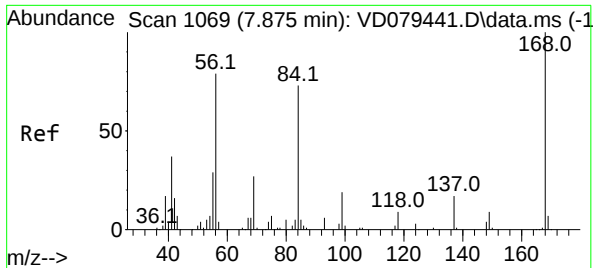
Tgt Ion: 63 Resp: 60055
 Ion Ratio Lower Upper
 63 100
 98 8.0 4.7 14.0
 100 6.3 2.9 8.6



#27
 cis-1,2-Dichloroethene
 Concen: 76.801 ug/l
 RT: 7.081 min Scan# 934
 Delta R.T. 0.006 min
 Lab File: VD079650.D
 Acq: 07 Aug 2024 19:25

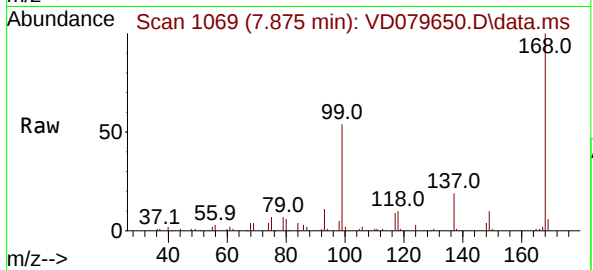
Tgt Ion: 96 Resp: 133701
 Ion Ratio Lower Upper
 96 100
 61 114.5 0.0 229.0
 98 64.0 0.0 127.2



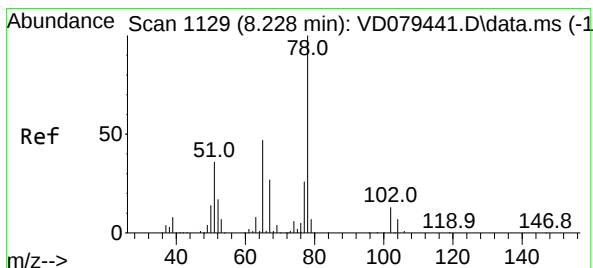
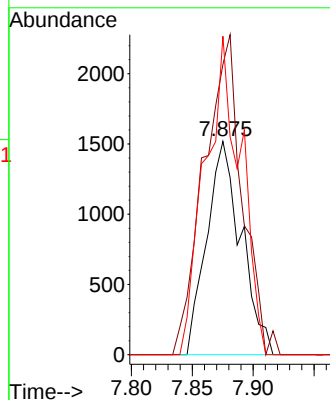
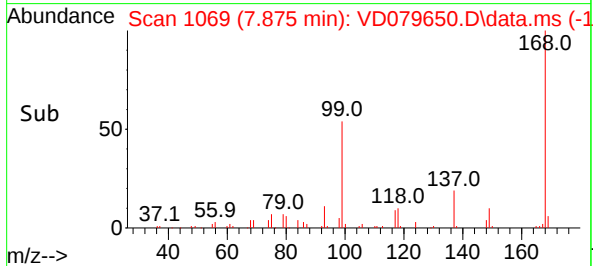


#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Instrument :
MSVOA_D
ClientSampleId :

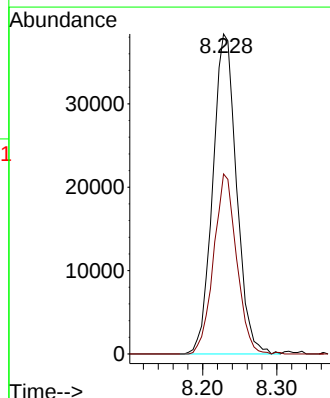
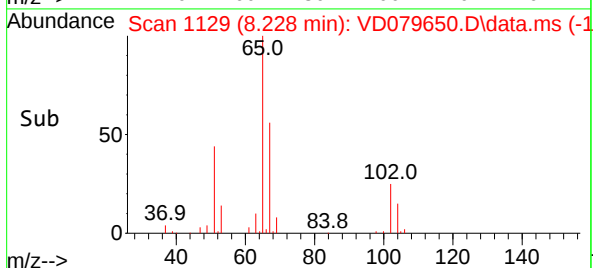
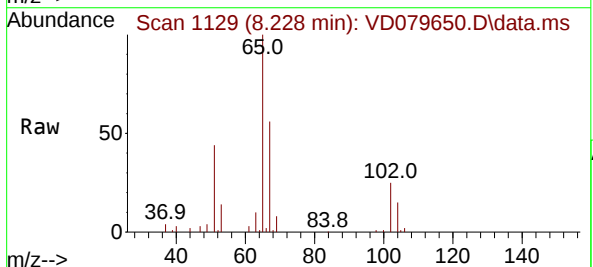


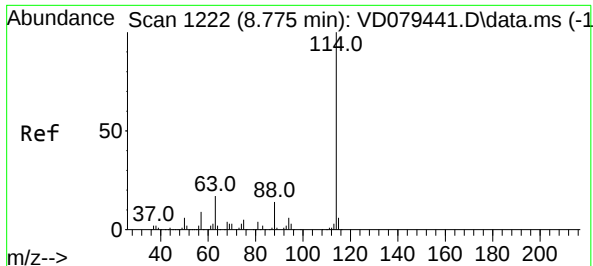
Tgt Ion: 56 Resp: 2988
Ion Ratio Lower Upper
56 100
69 136.0 28.0 42.0#
84 149.2 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 67.034 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Tgt Ion: 65 Resp: 85450
Ion Ratio Lower Upper
65 100
67 54.3 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: VD079650.D

Acq: 07 Aug 2024 19:25

Instrument :

MSVOA_D

ClientSampleId :

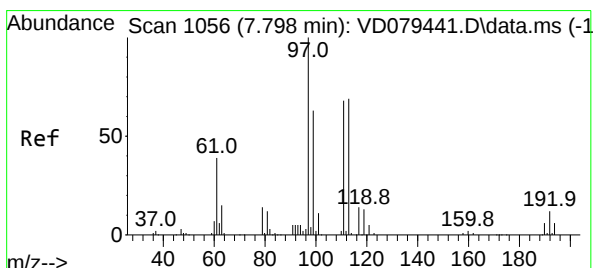
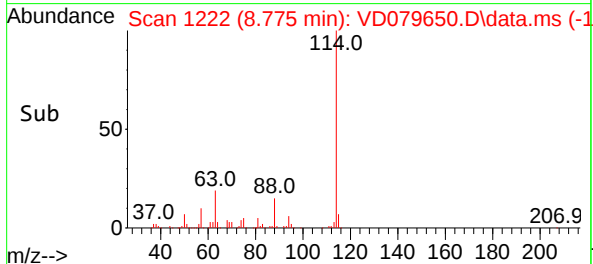
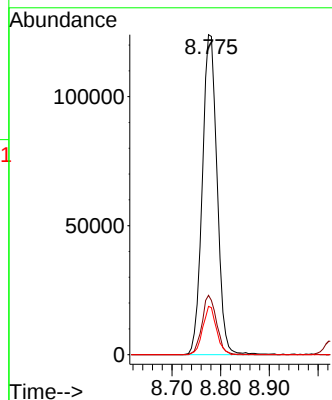
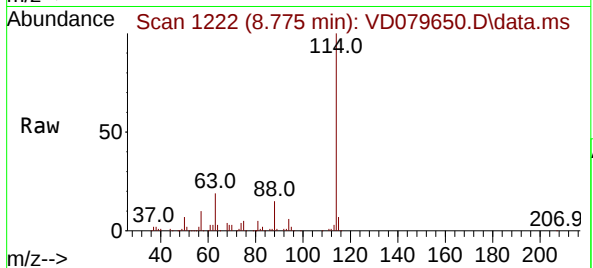
Tgt Ion:114 Resp: 261037

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

88 15.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.770 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079650.D

Acq: 07 Aug 2024 19:25

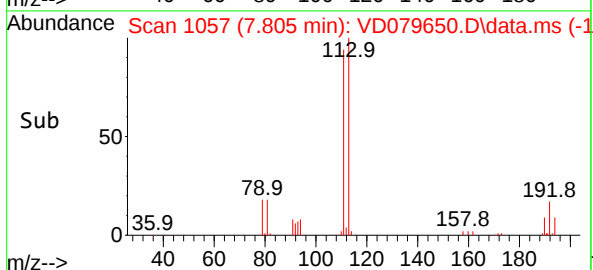
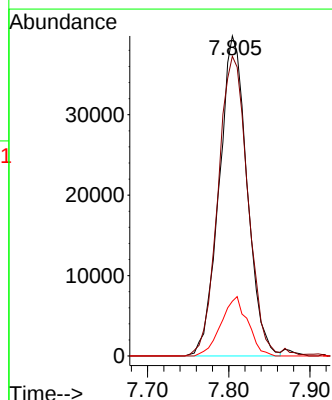
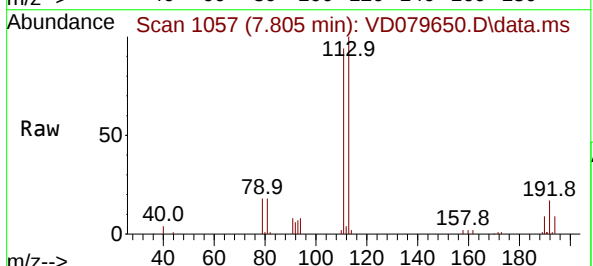
Tgt Ion:113 Resp: 95002

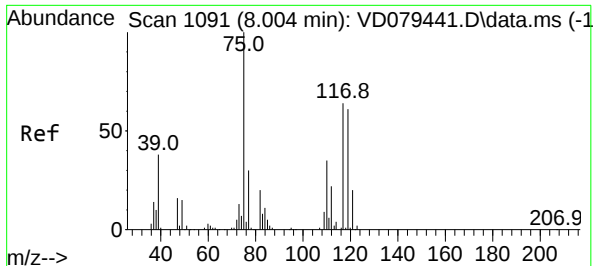
Ion Ratio Lower Upper

113 100

111 99.3 84.0 126.0

192 17.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.019 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

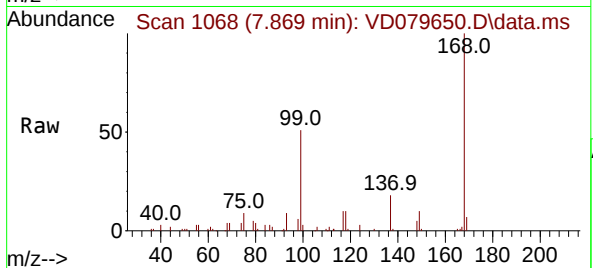
Lab File: VD079650.D

Acq: 07 Aug 2024 19:25

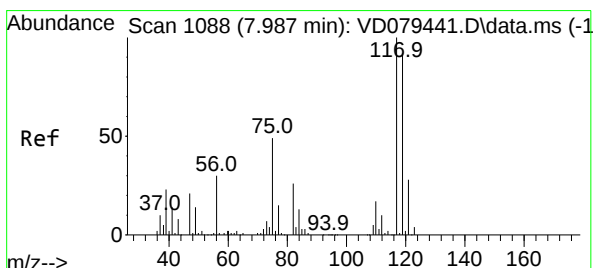
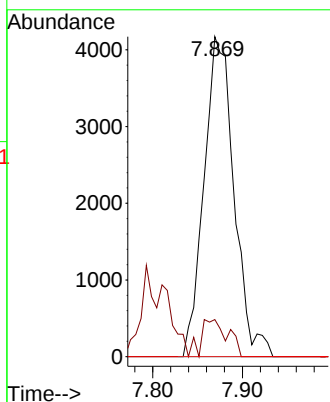
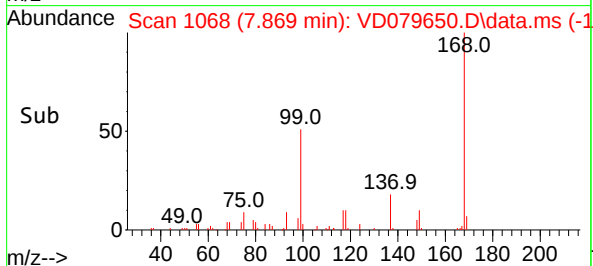
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	9692
Ion Ratio	Lower	Upper	
75	100		
110	10.4	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 4.800 ug/l

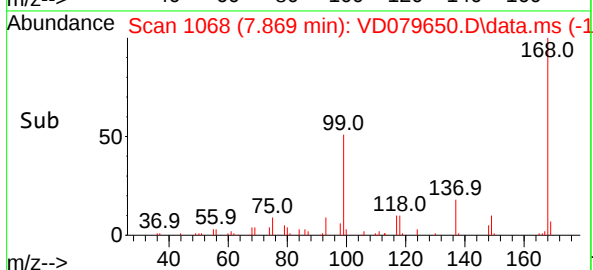
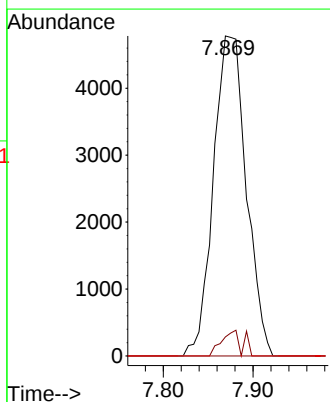
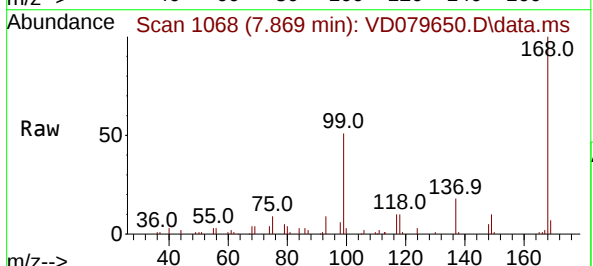
RT: 7.869 min Scan# 1068

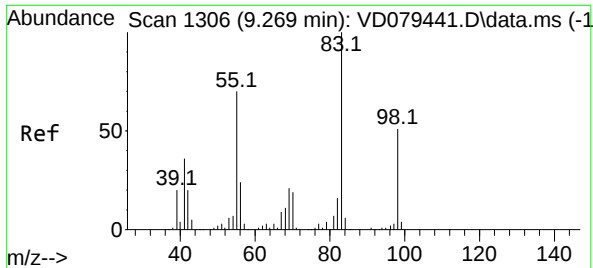
Delta R.T. -0.118 min

Lab File: VD079650.D

Acq: 07 Aug 2024 19:25

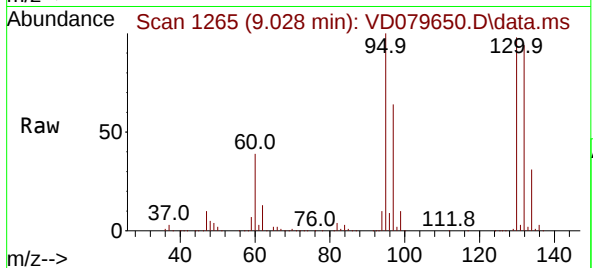
Tgt Ion:	117	Resp:	12169
Ion Ratio	Lower	Upper	
117	100		
119	6.0	75.4	113.0#
121	0.0	25.0	37.4#



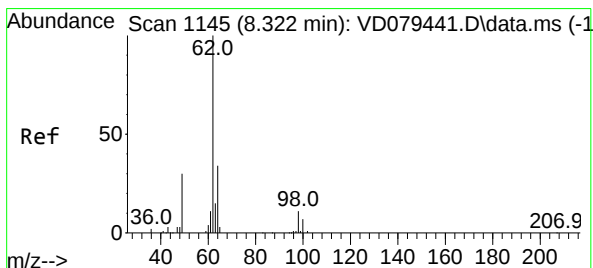
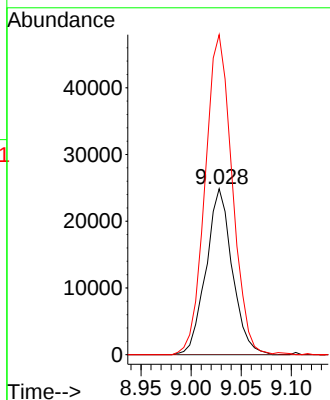
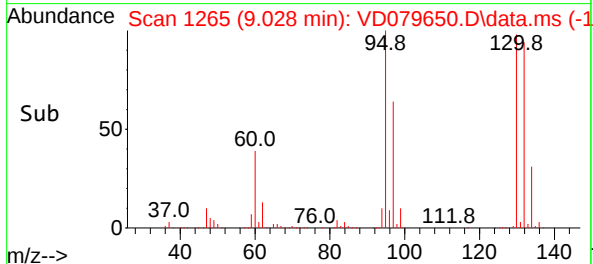


#39
Methylcyclohexane
Concen: 15.702 ug/l
RT: 9.028 min Scan# 1126
Delta R.T. -0.247 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

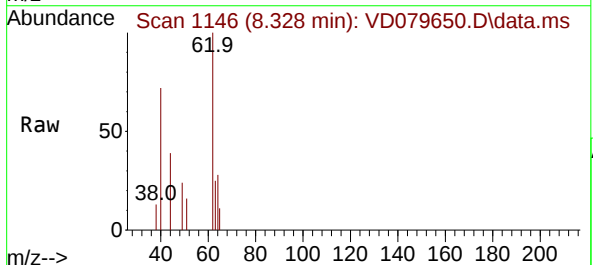
Instrument :
MSVOA_D
ClientSampleId :



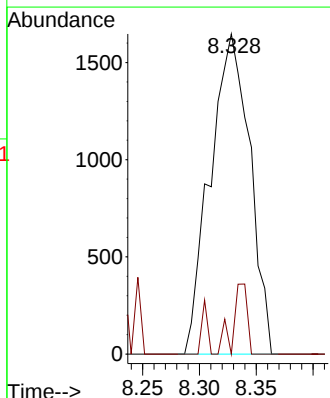
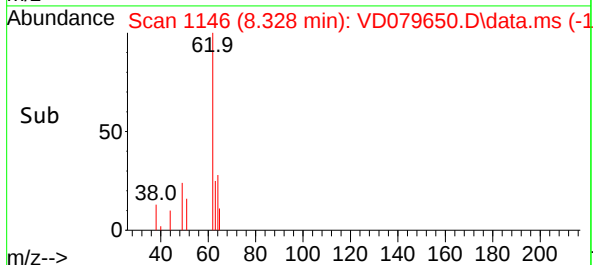
Tgt Ion: 83 Resp: 45180
Ion Ratio Lower Upper
83 100
55 0.6 50.1 75.1#
98 191.5 41.9 62.9#

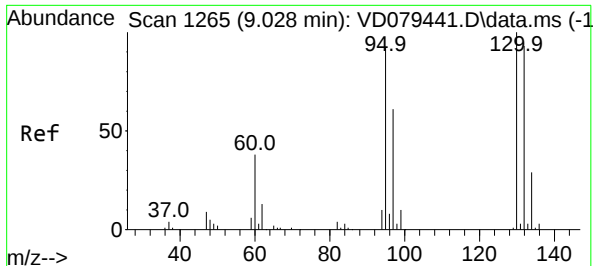


#42
1,2-Dichloroethane
Concen: 2.191 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25



Tgt Ion: 62 Resp: 3999
Ion Ratio Lower Upper
62 100
98 7.9 0.0 25.8

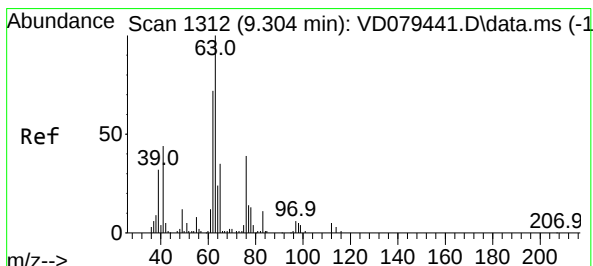
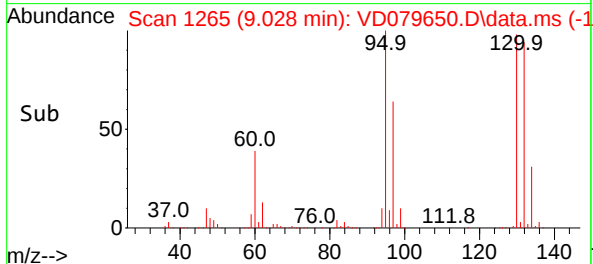
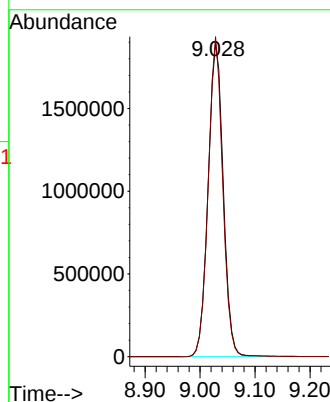
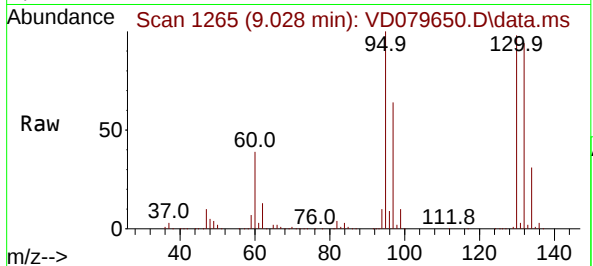




#44
Trichloroethene
Concen: 1900.544 ug/l
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

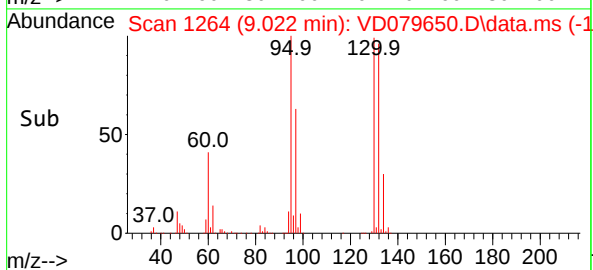
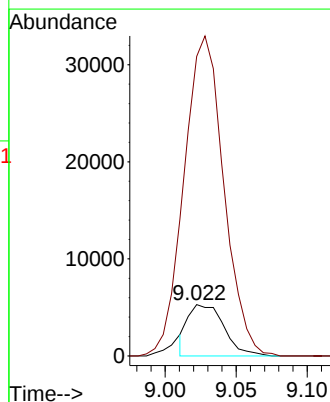
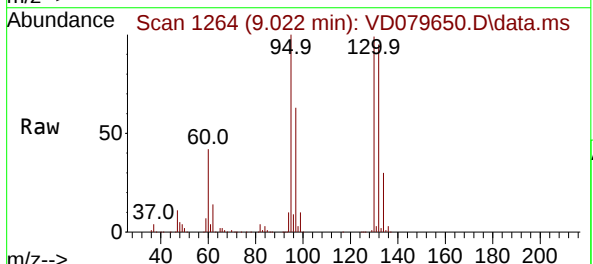
Instrument :
MSVOA_D
ClientSampleId :

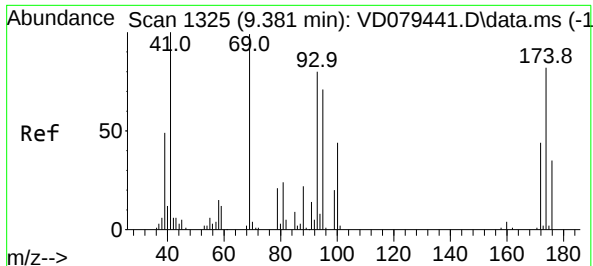
Tgt Ion:130 Resp: 3623738
Ion Ratio Lower Upper
130 100
95 102.1 0.0 177.8



#45
1,2-Dichloropropane
Concen: 4.997 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.276 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Tgt Ion: 63 Resp: 9315
Ion Ratio Lower Upper
63 100
65 583.6 23.8 35.8#





#49

1,4-Dioxane

Concen: 41.654 ug/l

RT: 9.387 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD079650.D

Acq: 07 Aug 2024 19:25

Instrument :

MSVOA_D

ClientSampleId :

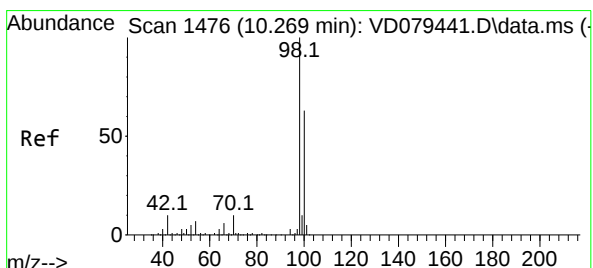
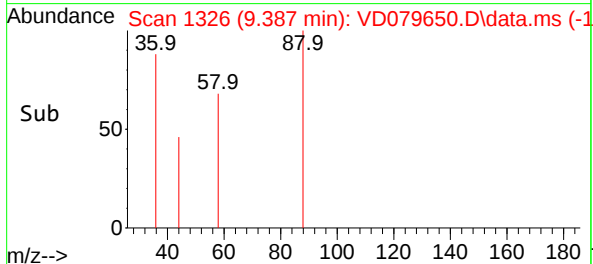
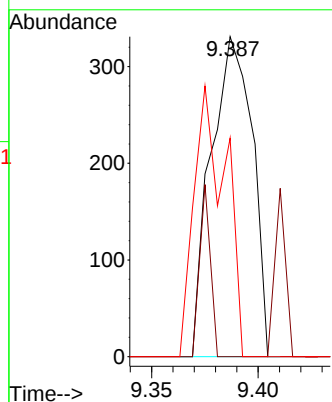
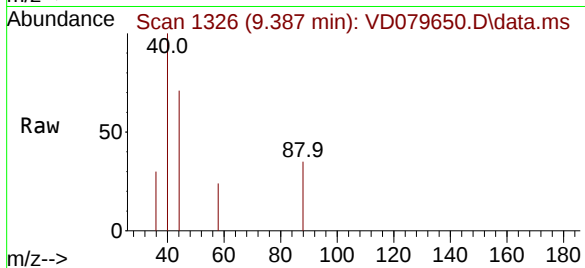
Tgt Ion: 88 Resp: 446

Ion Ratio Lower Upper

88 100

43 14.1 21.5 32.3#

58 64.6 42.2 63.4#



#50

Toluene-d8

Concen: 43.159 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079650.D

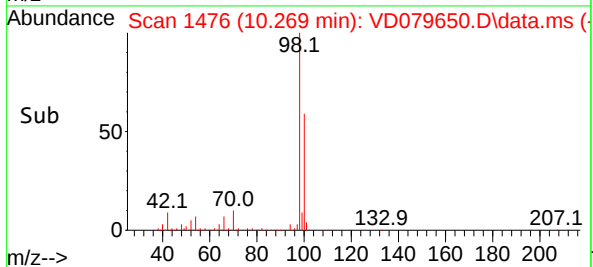
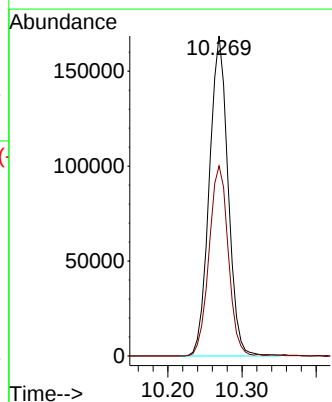
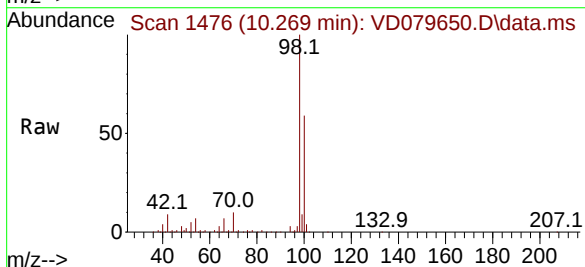
Acq: 07 Aug 2024 19:25

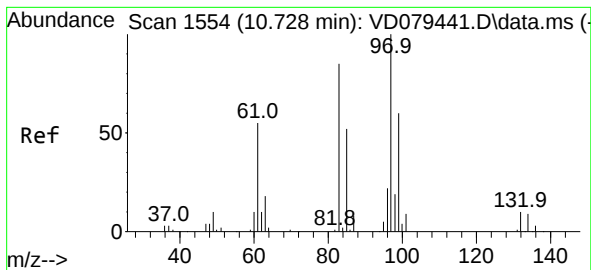
Tgt Ion: 98 Resp: 296123

Ion Ratio Lower Upper

98 100

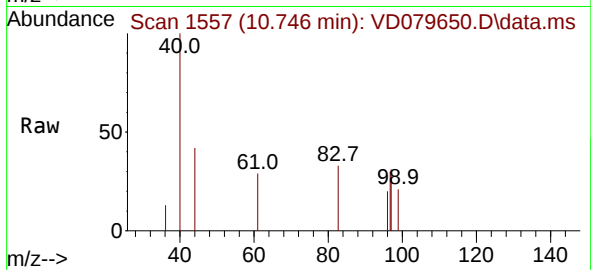
100 60.9 51.6 77.4



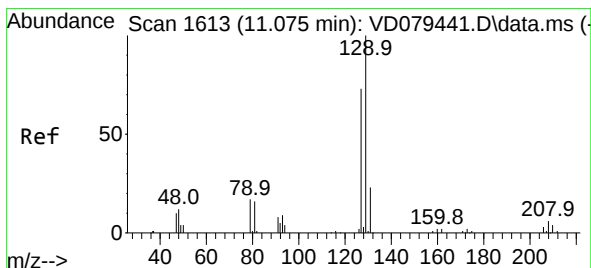
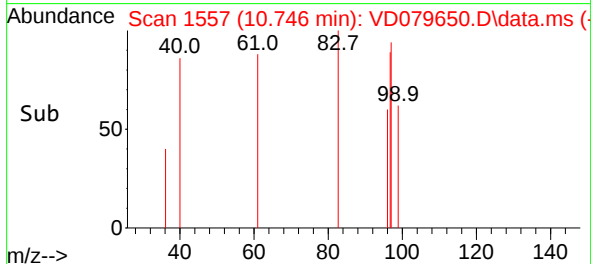
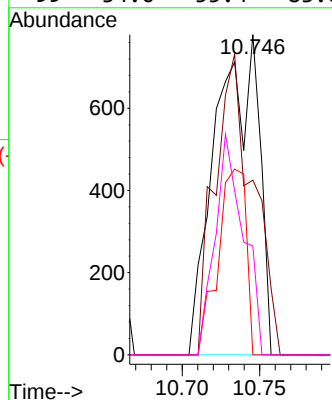


#55
1,1,2-Trichloroethane
Concen: 1.108 ug/l
RT: 10.746 min Scan# 1557
Delta R.T. 0.018 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Instrument :
MSVOA_D
ClientSampleId :

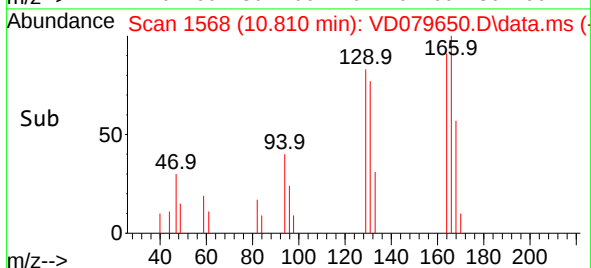
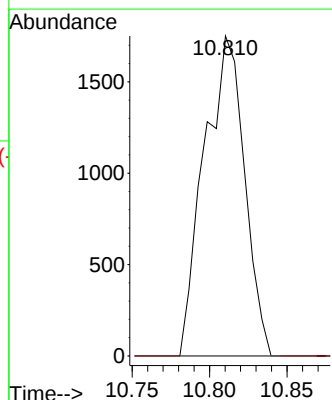
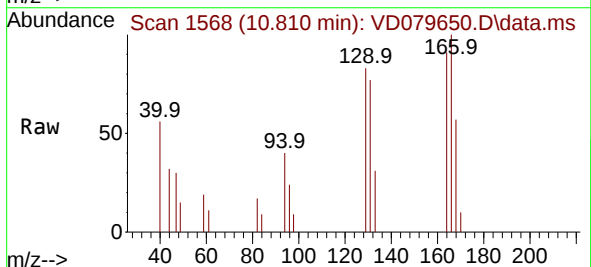


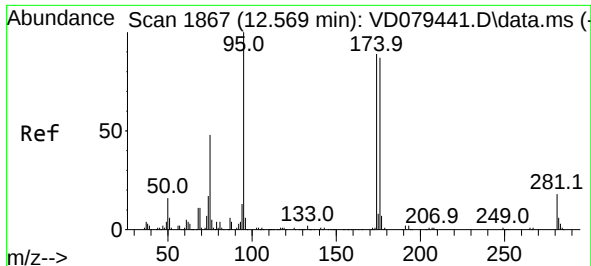
Tgt Ion:	97	Resp:	1508
Ion	Ratio	Lower	Upper
97	100		
83	54.6	65.8	98.8#
85	0.0	43.8	65.8#
99	34.0	55.4	83.0#



#60
Dibromochloromethane
Concen: 1.778 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.259 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Tgt Ion:	129	Resp:	3161
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.0	113.9#

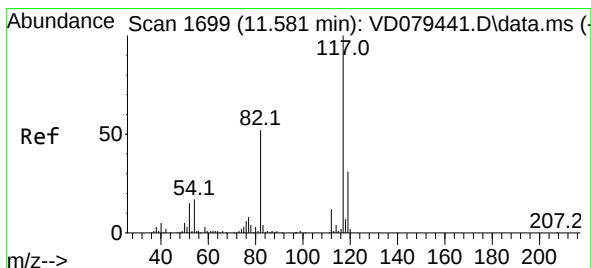
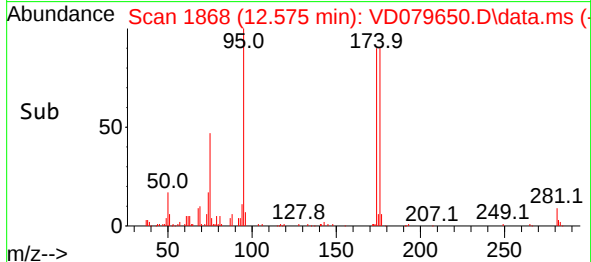
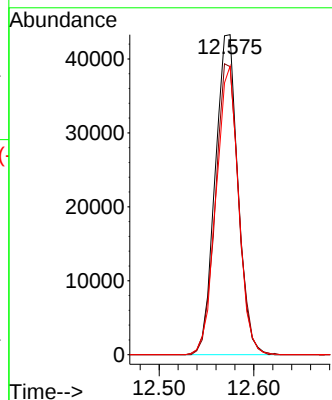
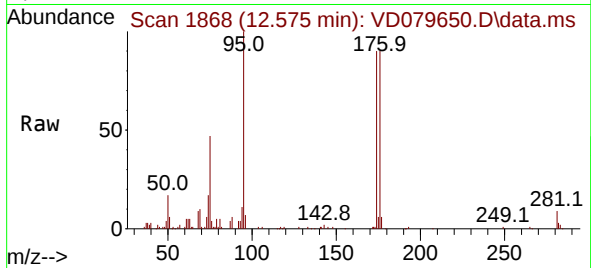




#62
4-Bromofluorobenzene
Concen: 36.554 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

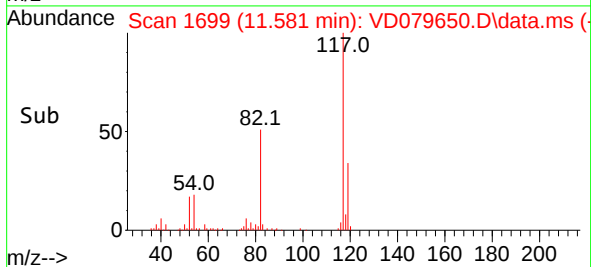
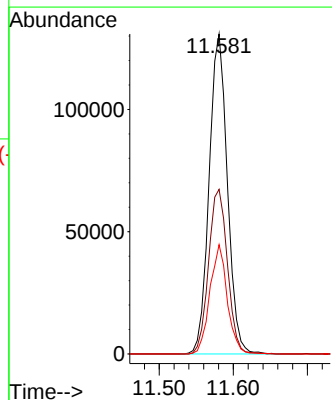
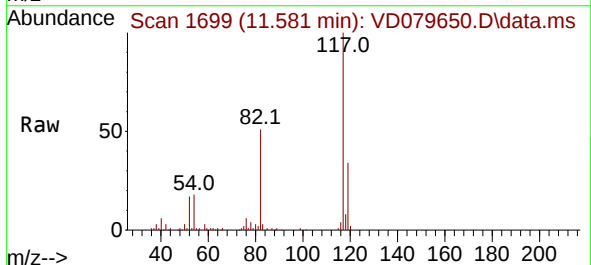
Instrument :
MSVOA_D
ClientSampleId :

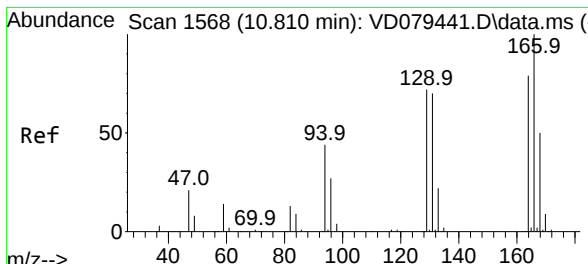
Tgt Ion: 95 Resp: 72577
Ion Ratio Lower Upper
95 100
174 91.3 0.0 195.4
176 88.7 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

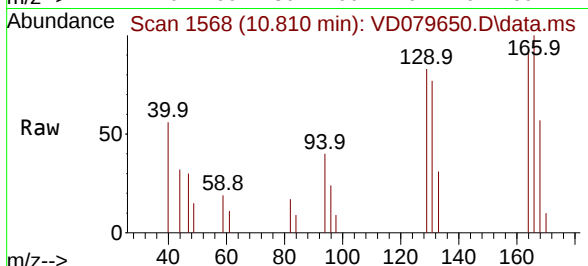
Tgt Ion: 117 Resp: 223469
Ion Ratio Lower Upper
117 100
82 51.4 39.8 59.6
119 34.1 25.7 38.5



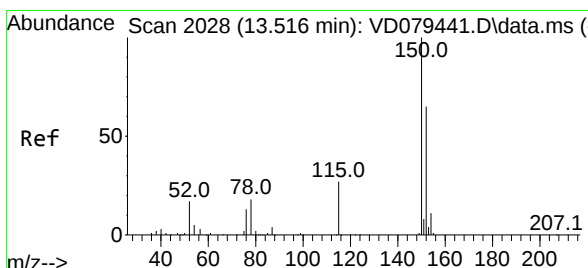
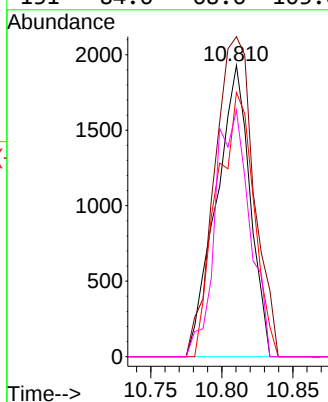
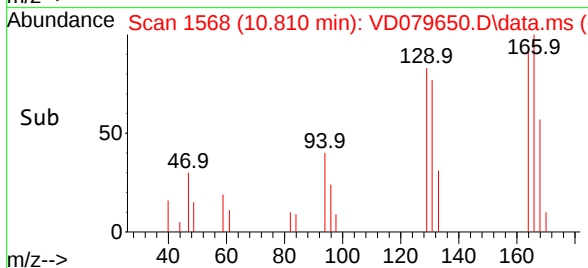


#64
Tetrachloroethene
Concen: 2.118 ug/l
RT: 10.810 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

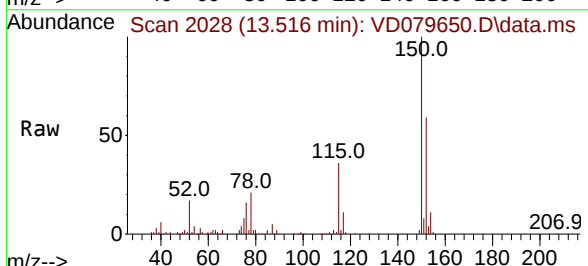
Instrument :
MSVOA_D
ClientSampleId :



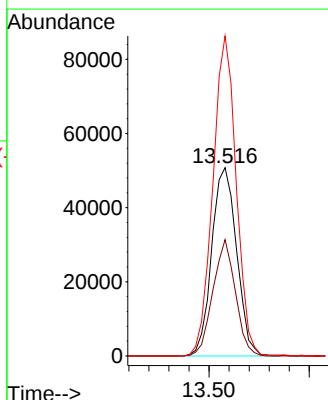
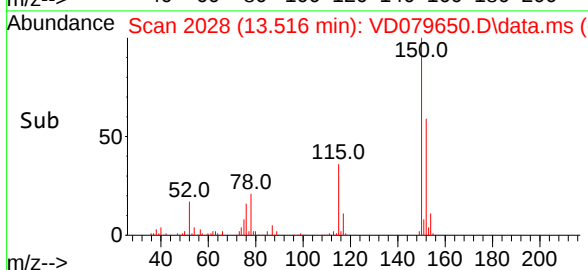
Tgt Ion:164 Resp: 3191
Ion Ratio Lower Upper
164 100
166 109.8 108.6 163.0
129 90.7 74.6 112.0
131 84.6 68.6 103.0

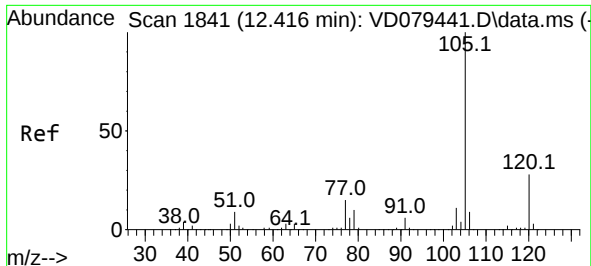


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25



Tgt Ion:152 Resp: 87584
Ion Ratio Lower Upper
152 100
115 55.8 26.5 79.5
150 159.3 0.0 341.6

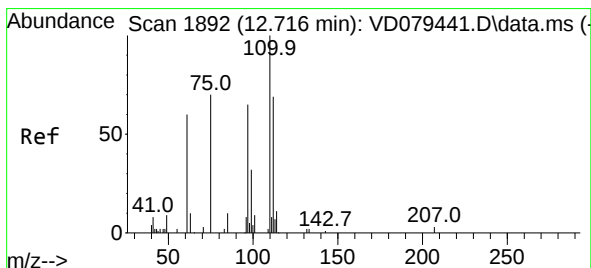
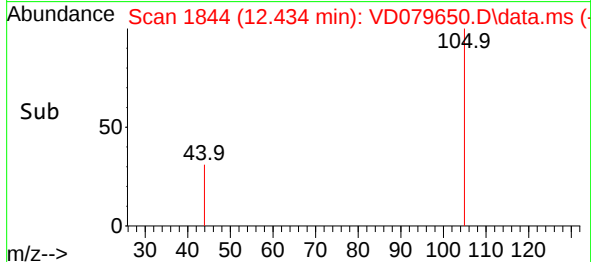
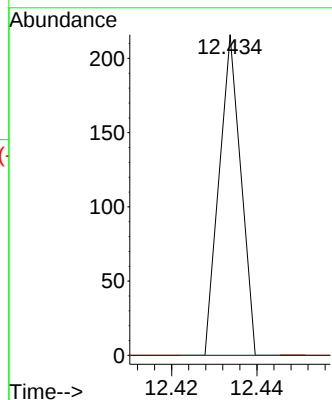
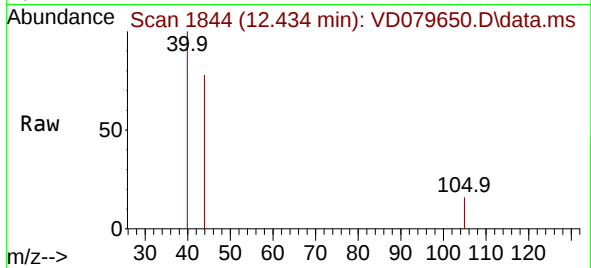




#73
Isopropylbenzene
Concen: 3.638 ug/l
RT: 12.434 min Scan# 1844
Delta R.T. 0.018 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

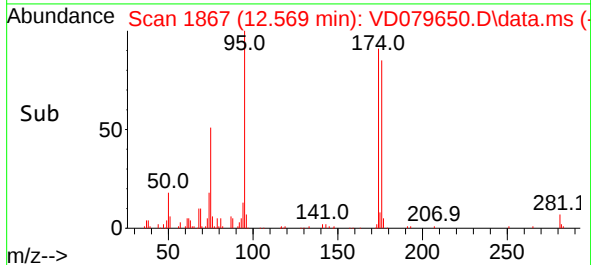
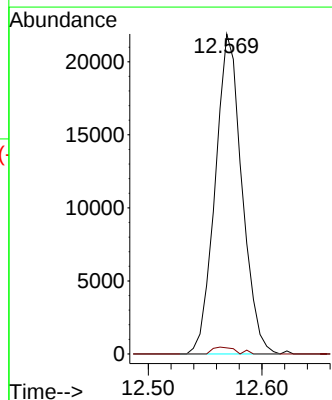
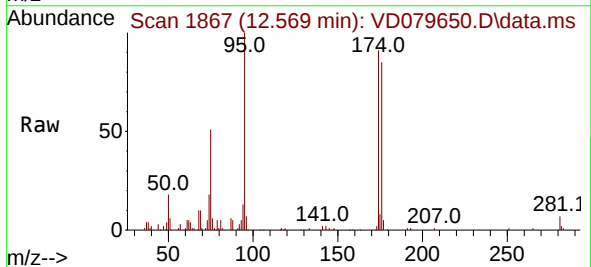
Instrument :
MSVOA_D
ClientSampleId :

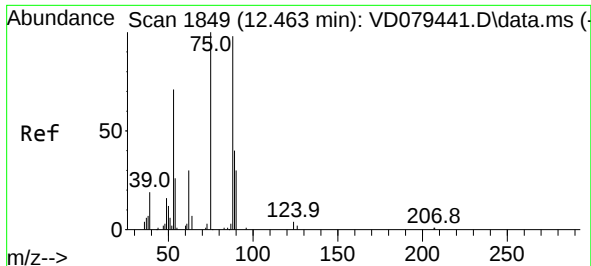
Tgt Ion:105 Resp: 76
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 46.768 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Tgt Ion: 75 Resp: 35804
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

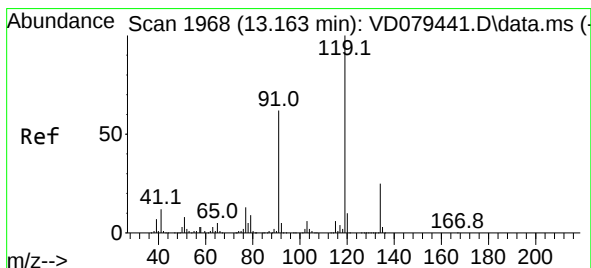
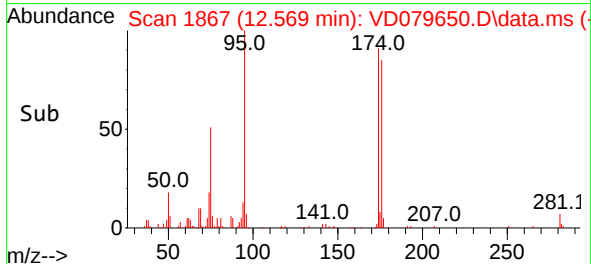
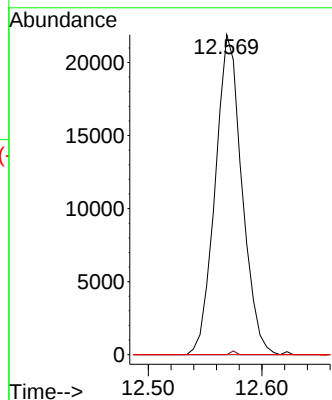
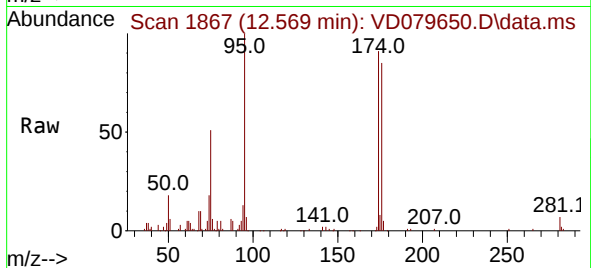




#81
trans-1,4-Dichloro-2-butene
Concen: 89.199 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

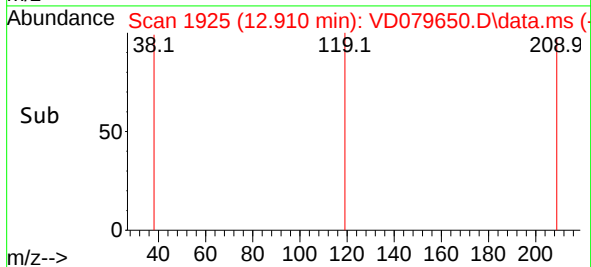
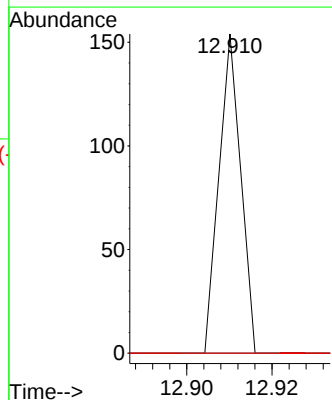
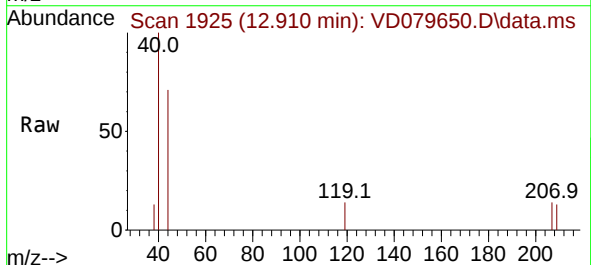
Instrument :
MSVOA_D
ClientSampleId :

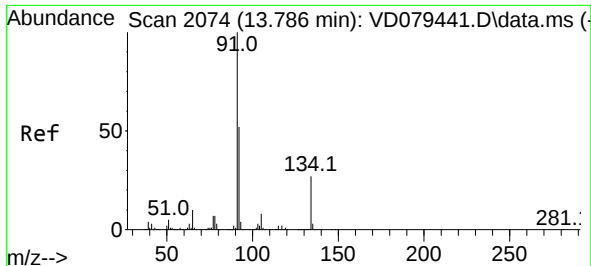
Tgt Ion: 75 Resp: 35804
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.0 35.4 53.0#



#83
tert-Butylbenzene
Concen: 3.638 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. -0.253 min
Lab File: VD079650.D
Acq: 07 Aug 2024 19:25

Tgt Ion: 119 Resp: 54
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#





#89

n-Butylbenzene

Concen: 3.804 ug/l

RT: 13.781 min Scan# 2073

Delta R.T. -0.000 min

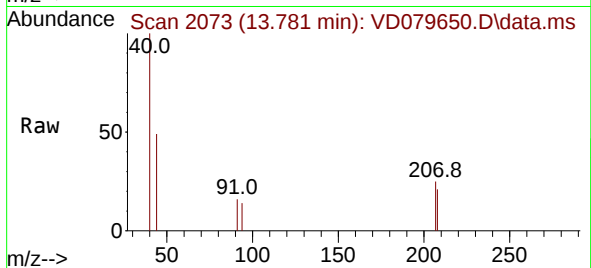
Lab File: VD079650.D

Acq: 07 Aug 2024 19:25

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	91	Resp:	136
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

