

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079649.D
 Acq On : 07 Aug 2024 18:58
 Operator : RP/MD
 Sample : P3393-14
 Misc : 6.52G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:54:18 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

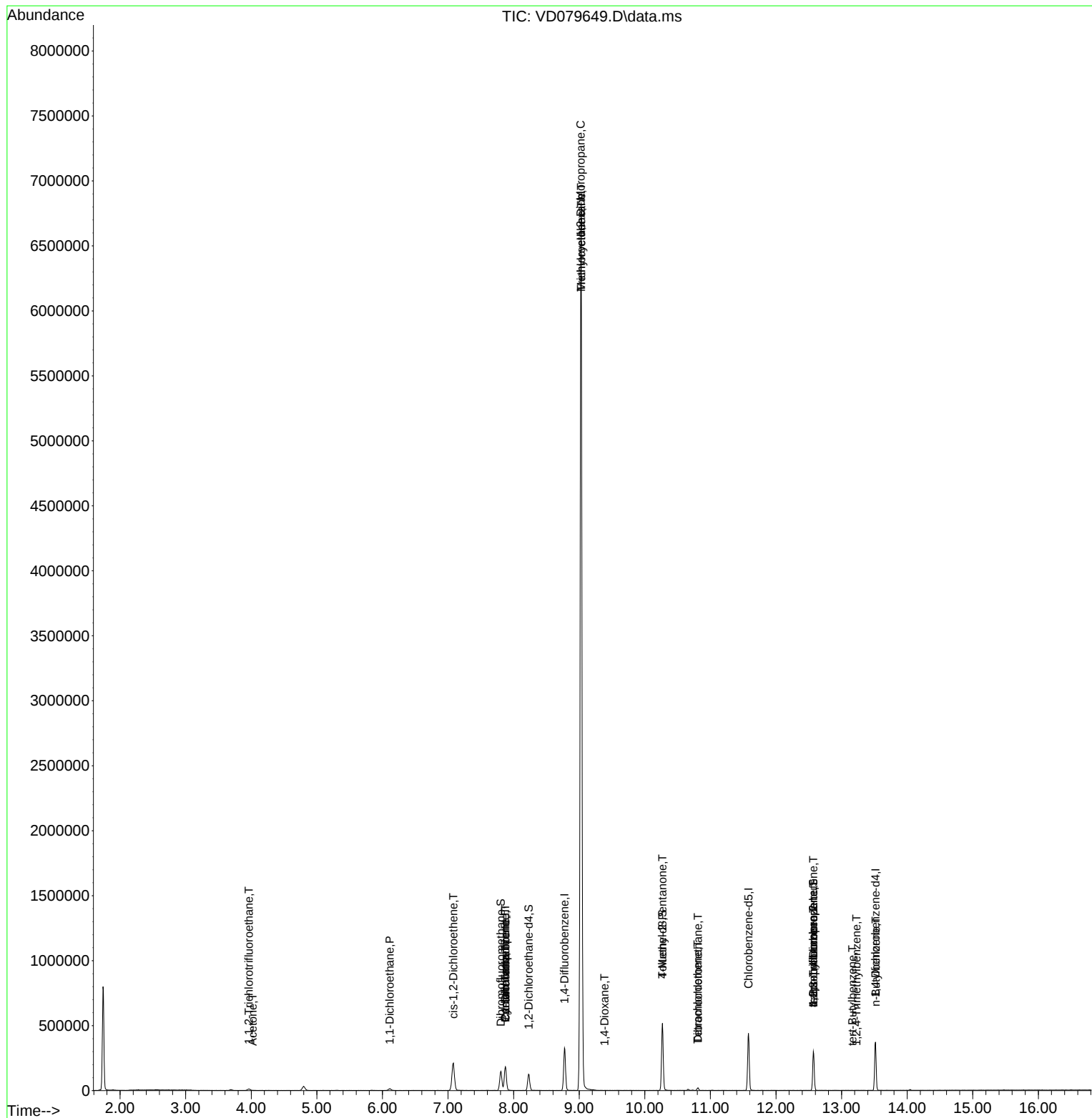
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	142562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	296245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	261684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	104297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96499	66.629	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.260%
35) Dibromofluoromethane	7.805	113	109457	54.589	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.180%
50) Toluene-d8	10.269	98	365681	46.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.920%
62) 4-Bromofluorobenzene	12.569	95	91414	40.569	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.140%
Target Compounds						Qvalue
5) Bromomethane	2.711	94	293	Below Cal	#	45
9) 1,1,2-Trichlorotrifluo...	3.964	101	7287	4.734	ug/l	99
16) Acetone	4.023	43	1310	4.654	ug/l #	76
20) Methylene Chloride	4.799	84	23587	Below Cal	#	83
24) 1,1-Dichloroethane	6.111	63	20013	6.599	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	139153	70.353	ug/l	99
31) Cyclohexane	7.875	56	3122	1.298	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	11260	4.114	ug/l #	46
38) Carbon Tetrachloride	7.875	117	14706	5.112	ug/l #	16
39) Methylcyclohexane	9.028	83	29313	8.977	ug/l #	1
44) Trichloroethene	9.028	130	2441091	1128.122	ug/l	92
45) 1,2-Dichloropropane	9.022	63	6556	3.099	ug/l #	1
49) 1,4-Dioxane	9.387	88	122	10.040	ug/l #	39
51) 4-Methyl-2-Pentanone	10.269	43	1442	1.339	ug/l #	1
60) Dibromochloromethane	10.810	129	4332	2.147	ug/l #	11
64) Tetrachloroethene	10.805	164	4458	2.526	ug/l	87
73) Isopropylbenzene	12.569	105	74	3.636	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	46320	50.808	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	46320	96.905	ug/l #	19
83) tert-Butylbenzene	13.163	119	67	3.639	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.228	105	174	3.453	ug/l #	29
89) n-Butylbenzene	13.522	91	222	3.813	ug/l #	51

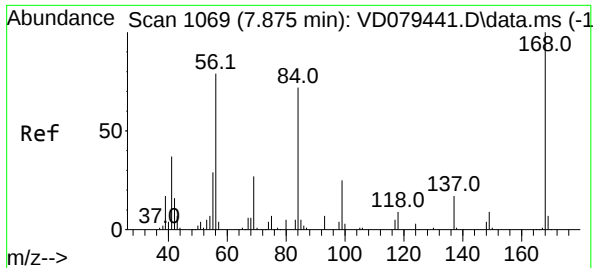
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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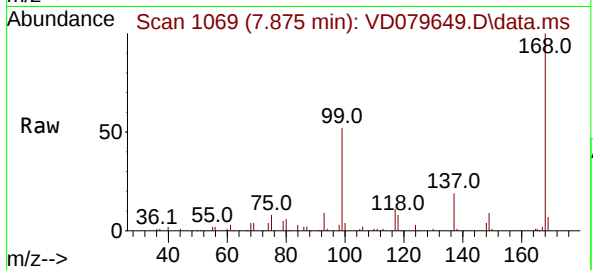
Quant Time: Aug 08 01:54:18 2024
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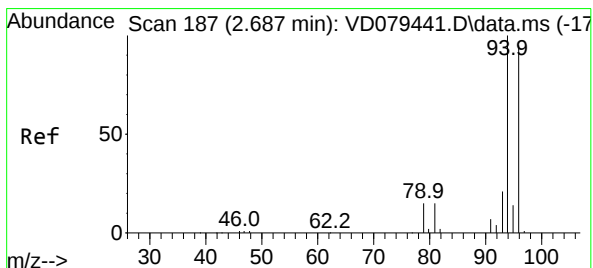
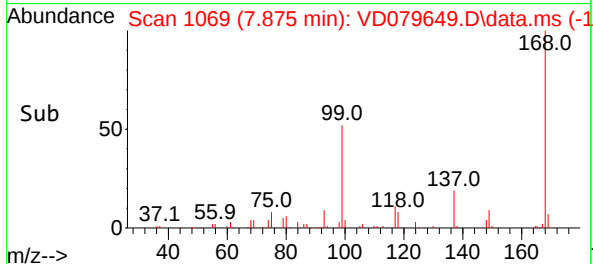
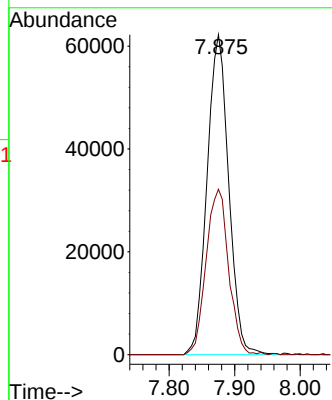


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Instrument :
MSVOA_D
ClientSampleId :

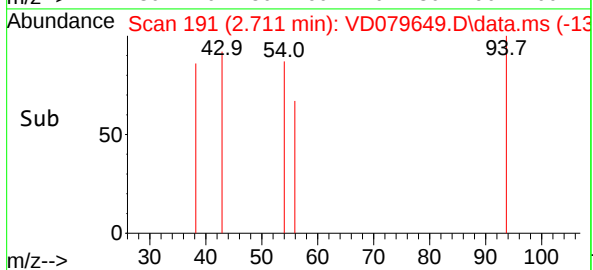
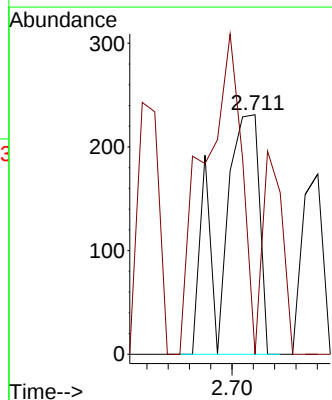
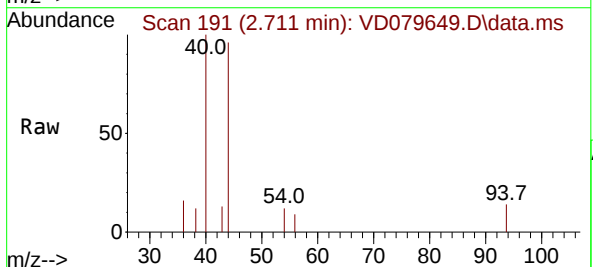


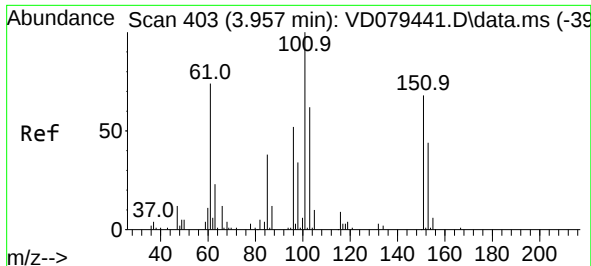
Tgt Ion:168 Resp: 142562
Ion Ratio Lower Upper
168 100
99 51.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.711 min Scan# 191
Delta R.T. 0.024 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 42.3 76.9 115.3#

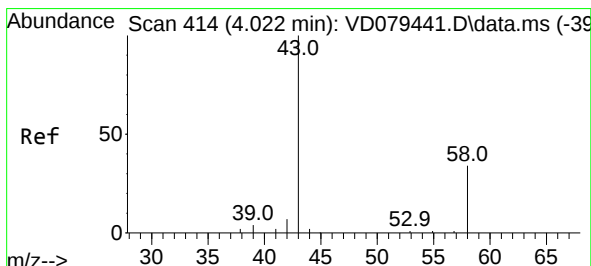
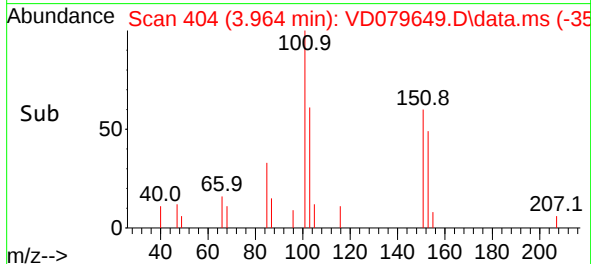
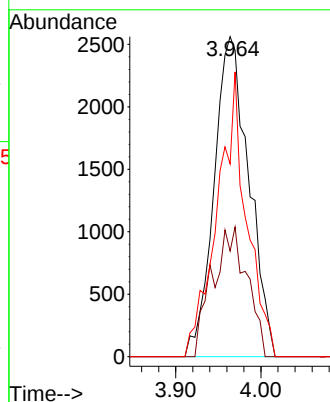
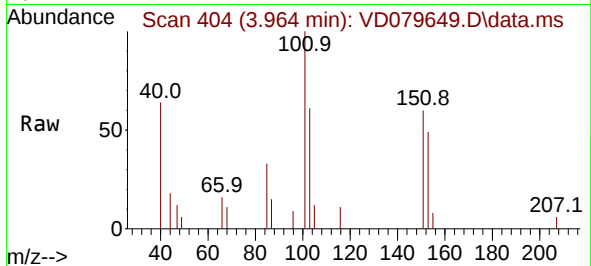




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.734 ug/l
RT: 3.964 min Scan# 403
Delta R.T. 0.000 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

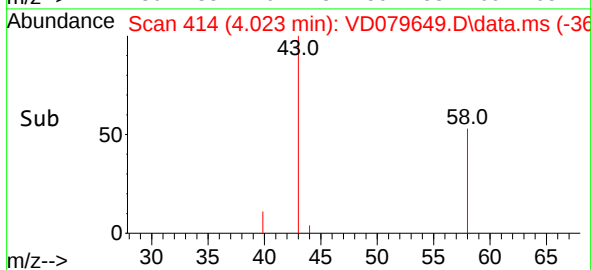
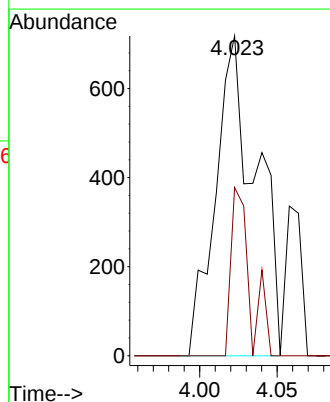
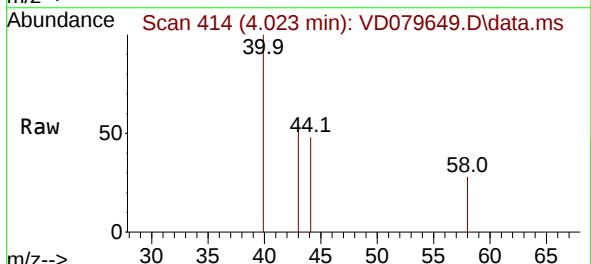
Instrument :
MSVOA_D
ClientSampleId :

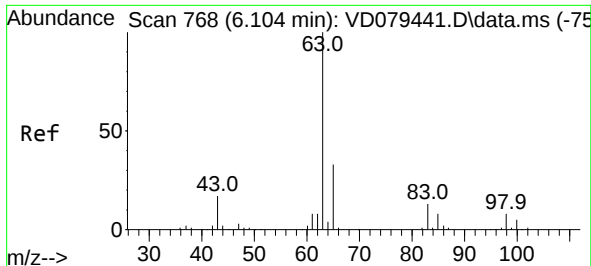
Tgt Ion:101 Resp: 7287
Ion Ratio Lower Upper
101 100
85 40.1 33.5 50.3
151 74.8 60.3 90.5



#16
Acetone
Concen: 4.654 ug/l
RT: 4.023 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 52.6 30.4 45.6#

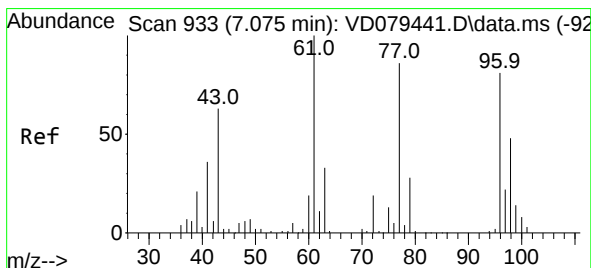
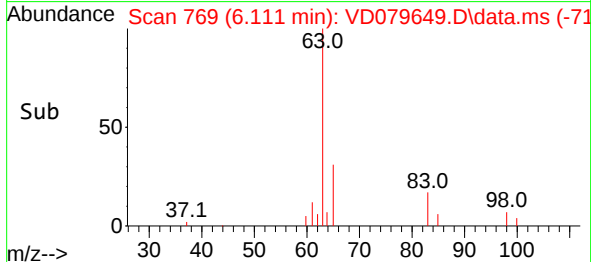
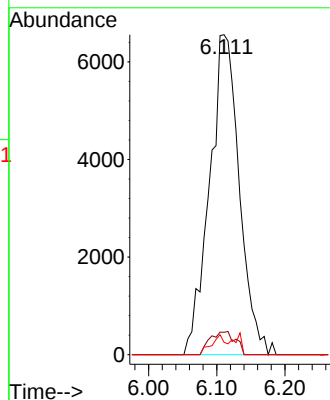
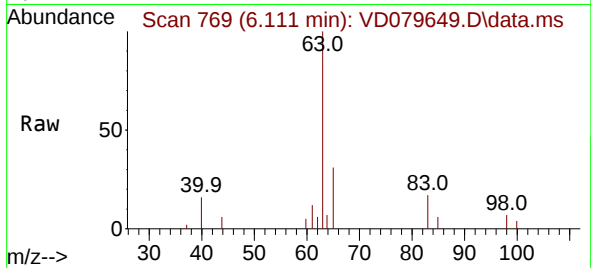




#24
1,1-Dichloroethane
Concen: 6.599 ug/l
RT: 6.111 min Scan# 70
Delta R.T. 0.006 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

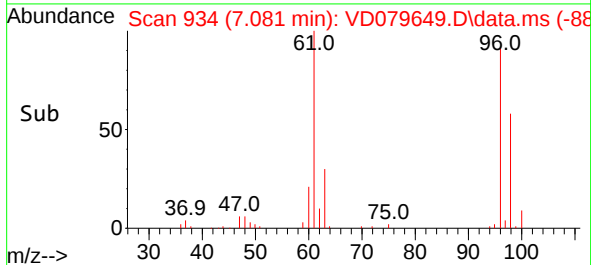
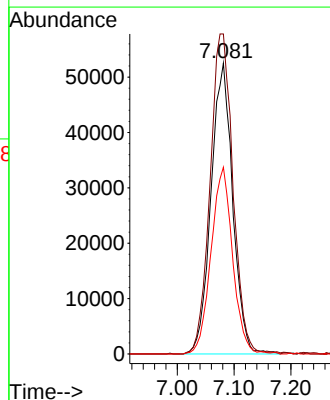
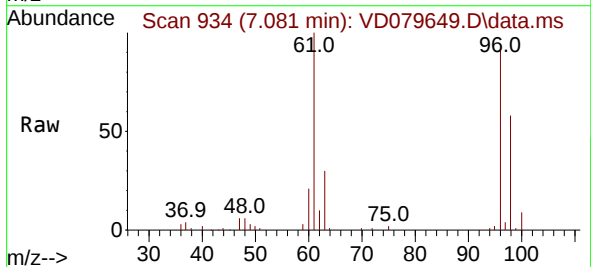
Instrument :
MSVOA_D
ClientSampleId :

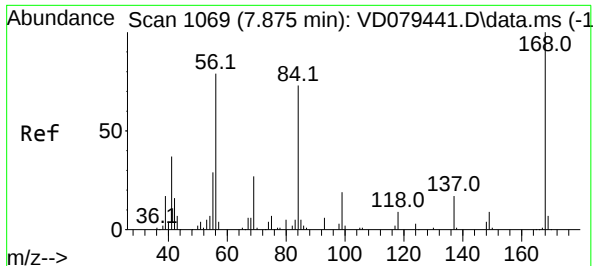
Tgt Ion: 63 Resp: 20013
Ion Ratio Lower Upper
63 100
98 7.0 4.7 14.0
100 3.8 2.9 8.6



#27
cis-1,2-Dichloroethene
Concen: 70.353 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

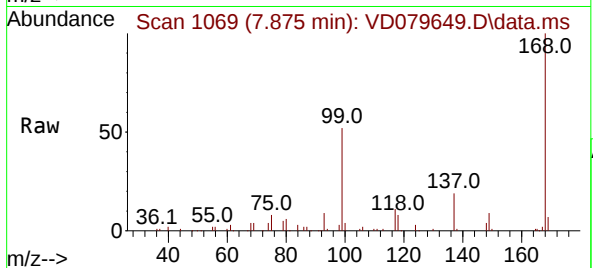
Tgt Ion: 96 Resp: 139153
Ion Ratio Lower Upper
96 100
61 116.4 0.0 229.0
98 63.9 0.0 127.2



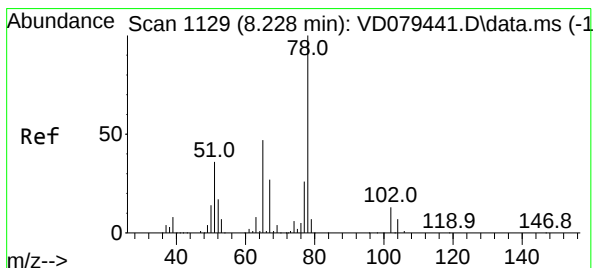
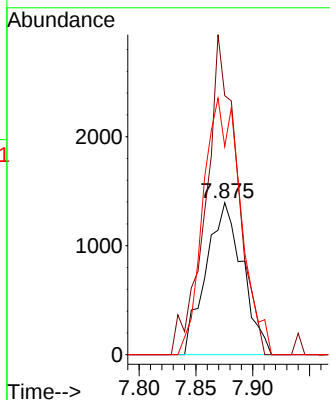
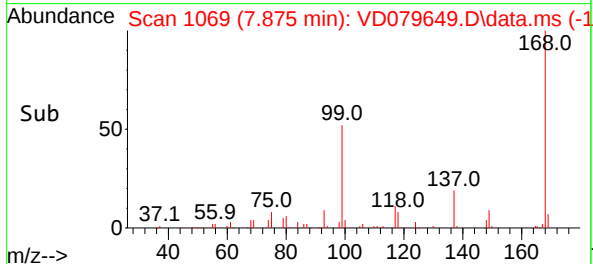


#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Instrument :
MSVOA_D
ClientSampleId :

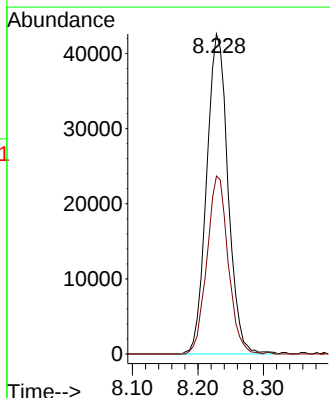
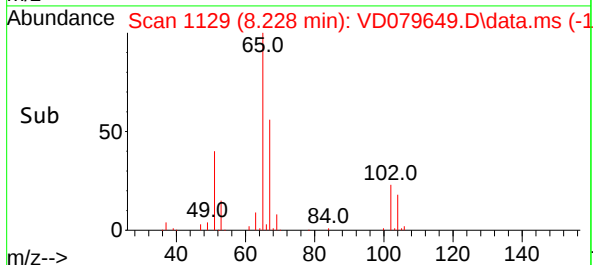
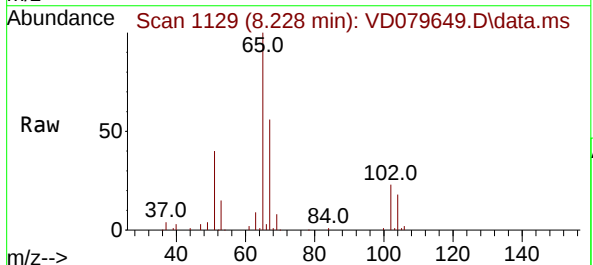


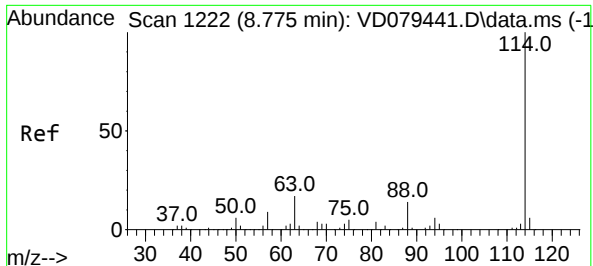
Tgt Ion: 56 Resp: 3122
Ion Ratio Lower Upper
56 100
69 170.5 28.0 42.0#
84 137.0 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 66.629 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Tgt Ion: 65 Resp: 96499
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# 11

Delta R.T. 0.000 min

Lab File: VD079649.D

Acq: 07 Aug 2024 18:58

Instrument :

MSVOA_D

ClientSampleId :

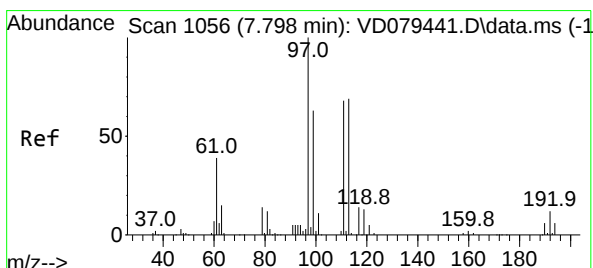
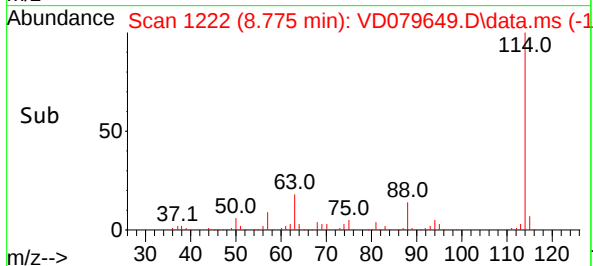
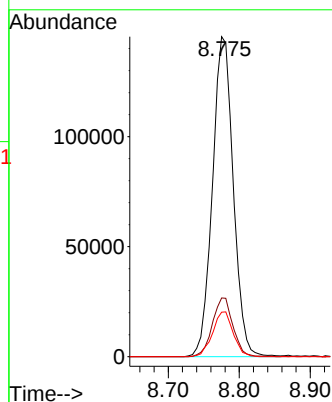
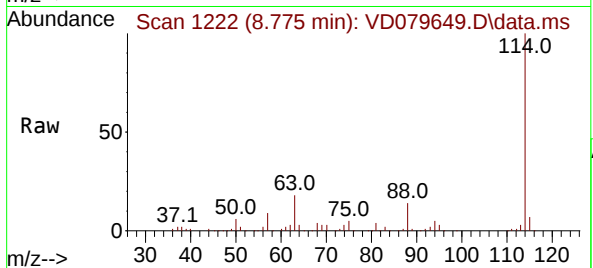
Tgt Ion:114 Resp: 296245

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.589 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079649.D

Acq: 07 Aug 2024 18:58

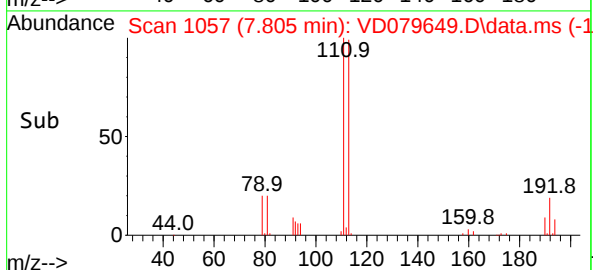
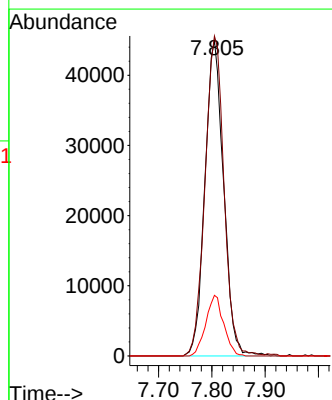
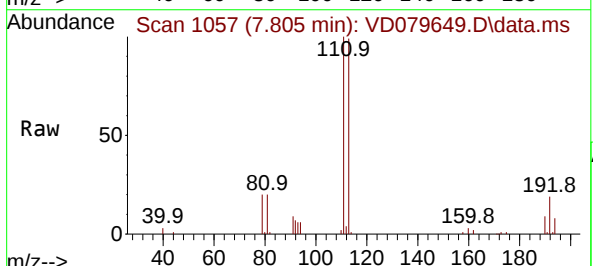
Tgt Ion:113 Resp: 109457

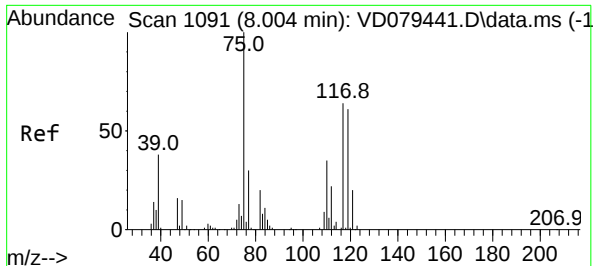
Ion Ratio Lower Upper

113 100

111 103.1 84.0 126.0

192 18.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.114 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079649.D

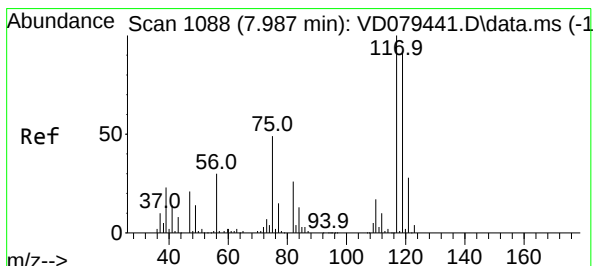
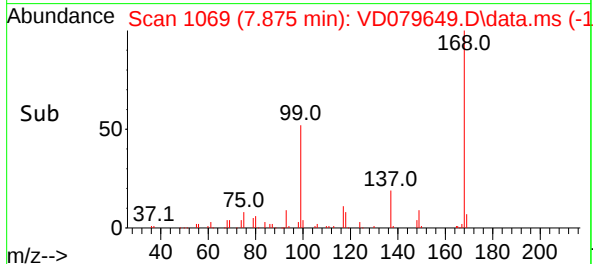
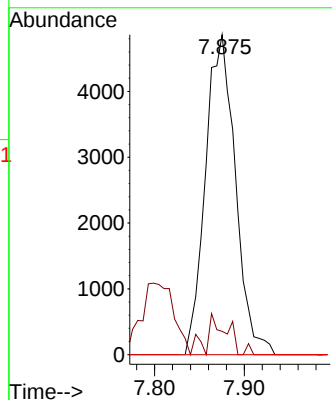
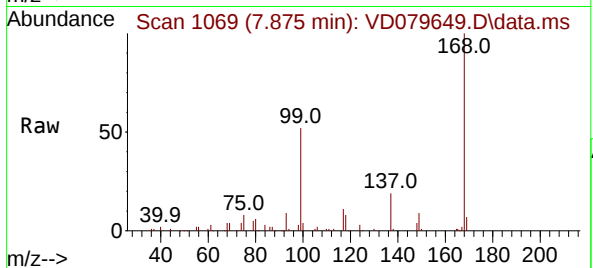
Acq: 07 Aug 2024 18:58

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 11260
Ion Ratio	Lower Upper
75	100
110	8.4 19.6 58.7#
77	0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.112 ug/l

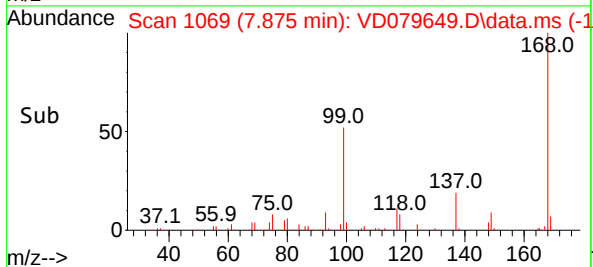
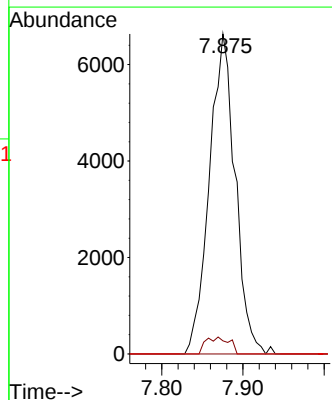
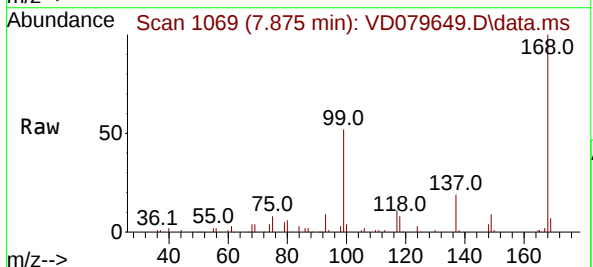
RT: 7.875 min Scan# 1069

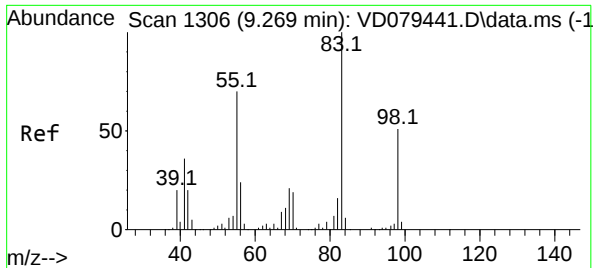
Delta R.T. -0.112 min

Lab File: VD079649.D

Acq: 07 Aug 2024 18:58

Tgt Ion: 117	Resp: 14706
Ion Ratio	Lower Upper
117	100
119	4.1 75.4 113.0#
121	0.0 25.0 37.4#





#39

Methylcyclohexane

Concen: 8.977 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.247 min

Lab File: VD079649.D

Acq: 07 Aug 2024 18:58

Instrument :

MSVOA_D

ClientSampleId :

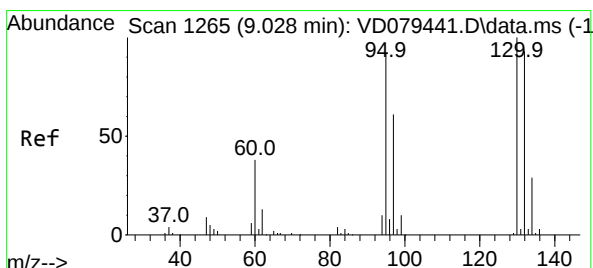
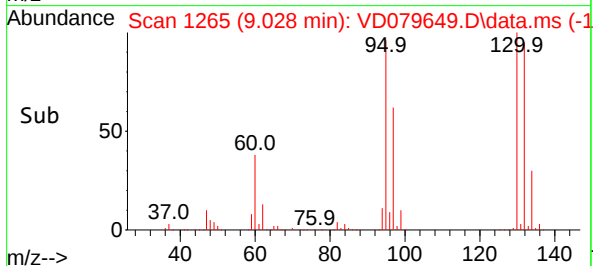
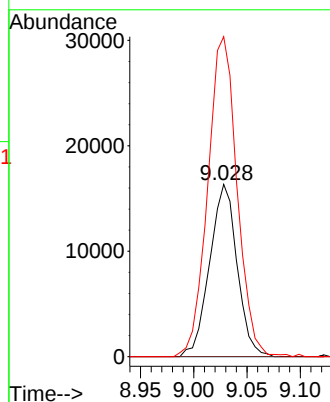
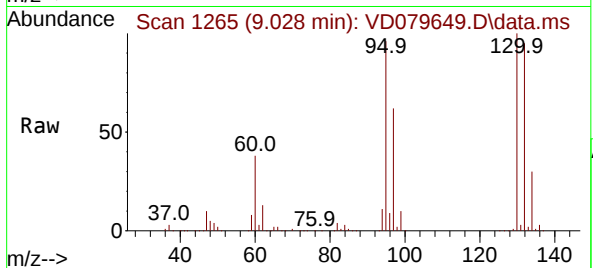
Tgt Ion: 83 Resp: 29313

Ion Ratio Lower Upper

83 100

55 0.0 50.1 75.1#

98 184.6 41.9 62.9#



#44

Trichloroethene

Concen: 1128.122 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079649.D

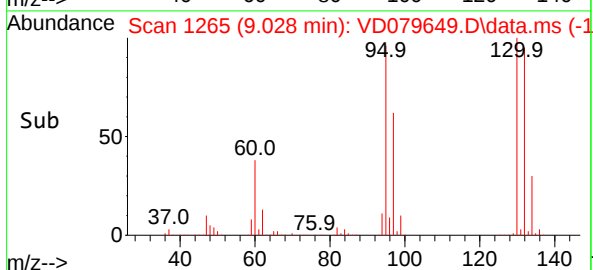
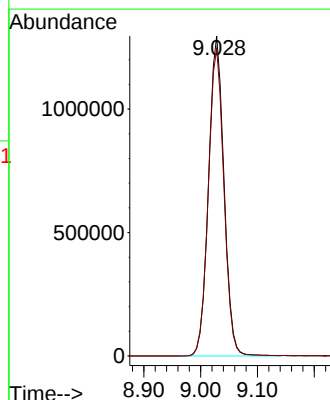
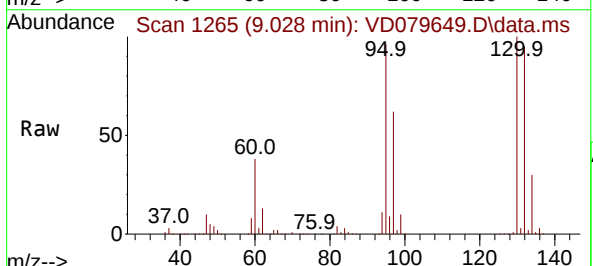
Acq: 07 Aug 2024 18:58

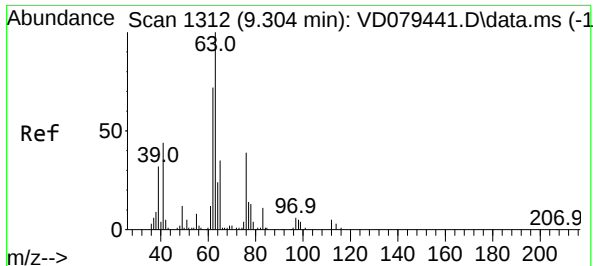
Tgt Ion:130 Resp: 2441091

Ion Ratio Lower Upper

130 100

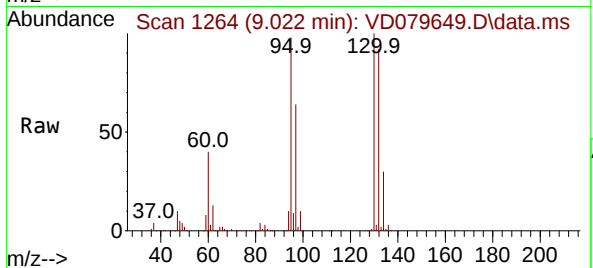
95 96.1 0.0 177.8



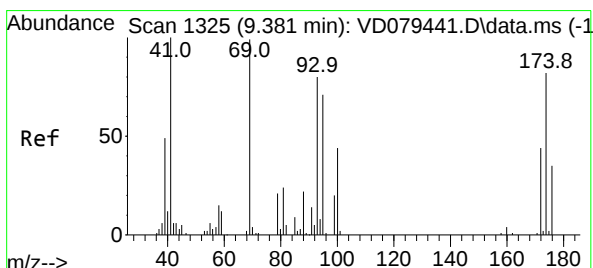
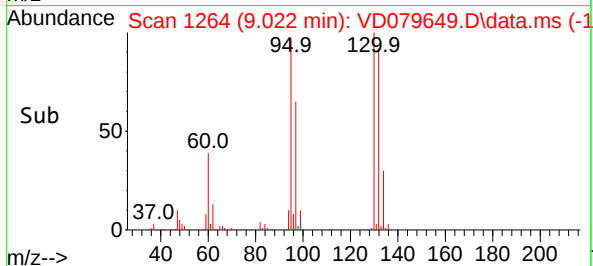
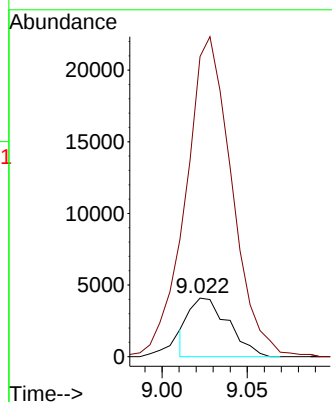


#45
1,2-Dichloropropane
Concen: 3.099 ug/l
RT: 9.022 min Scan# 11
Delta R.T. -0.276 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Instrument :
MSVOA_D
ClientSampleId :

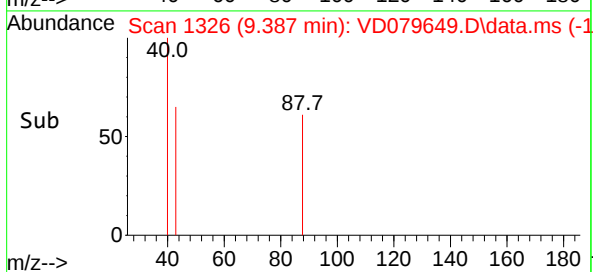
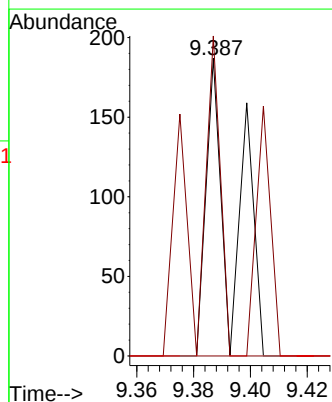
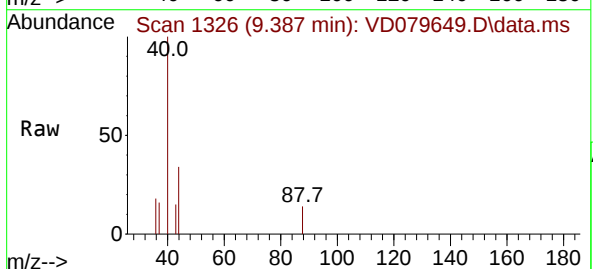


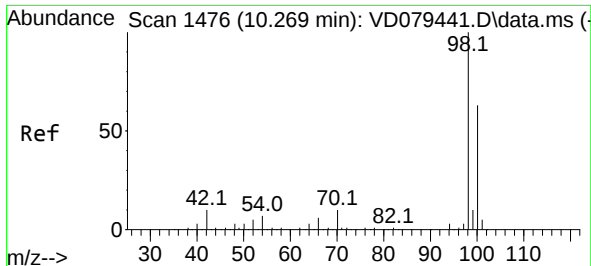
Tgt Ion: 63 Resp: 6556
Ion Ratio Lower Upper
63 100
65 505.2 23.8 35.8#



#49
1,4-Dioxane
Concen: 10.040 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. -0.006 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 44.3 21.5 32.3#
58 0.0 42.2 63.4#

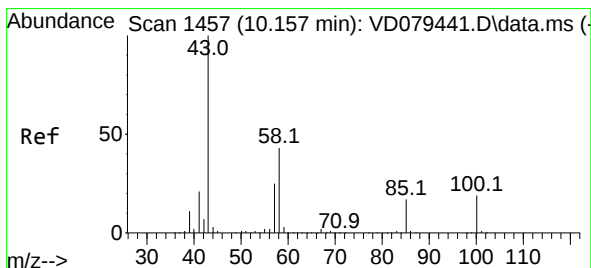
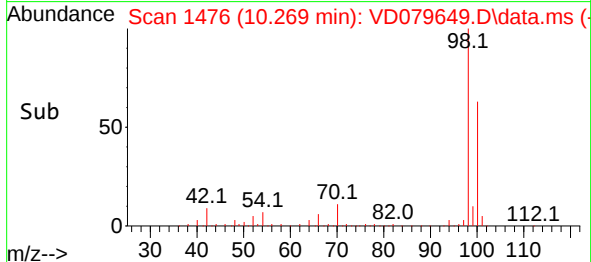
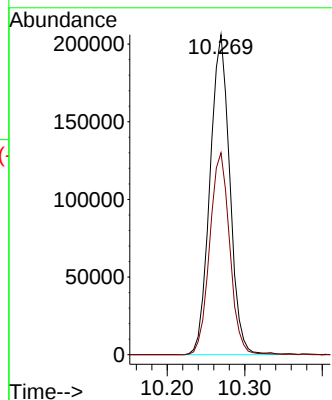
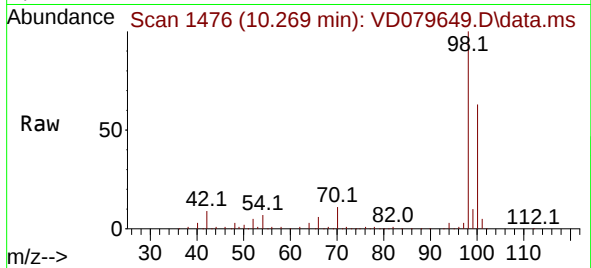




#50
Toluene-d8
Concen: 46.963 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

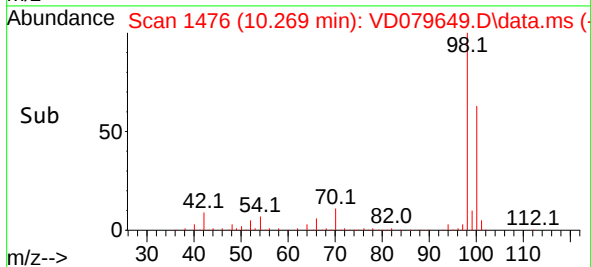
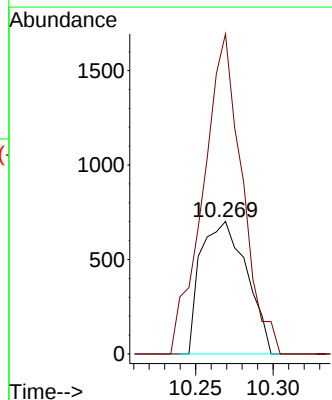
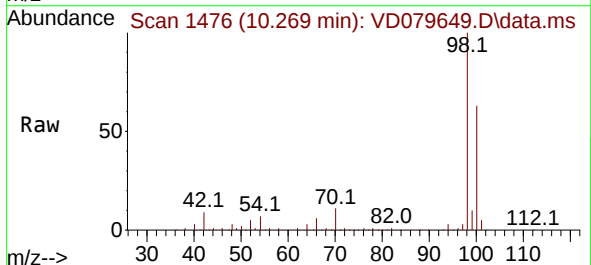
Instrument :
MSVOA_D
ClientSampleId :

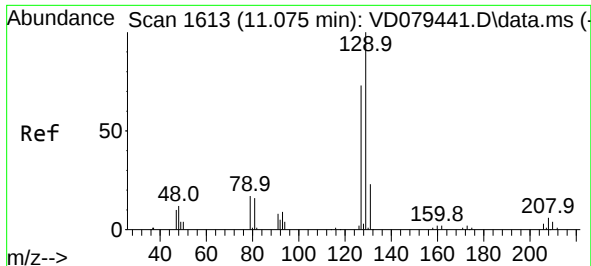
Tgt Ion: 98 Resp: 365681
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.339 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
58 205.2 36.6 55.0#

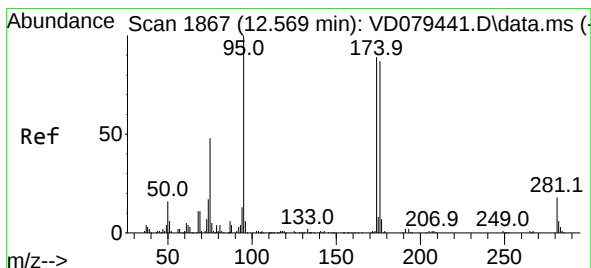
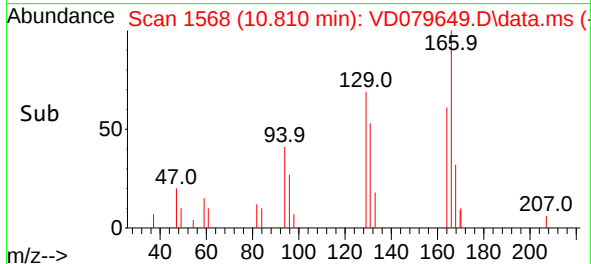
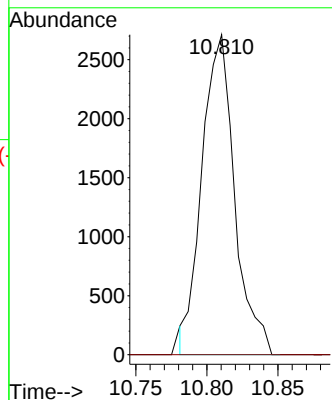
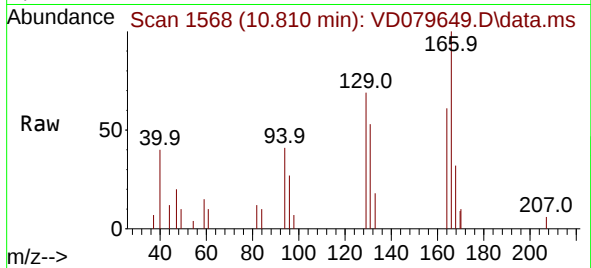




#60
Dibromochloromethane
Concen: 2.147 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.259 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

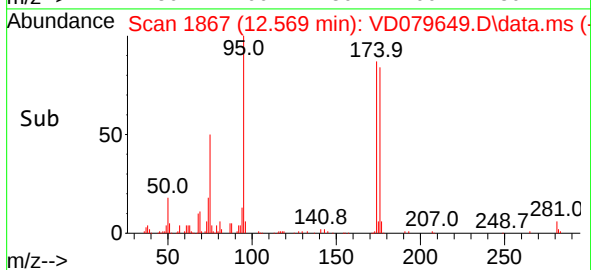
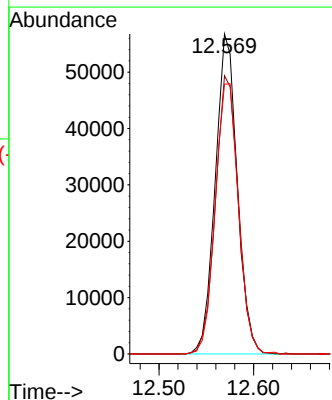
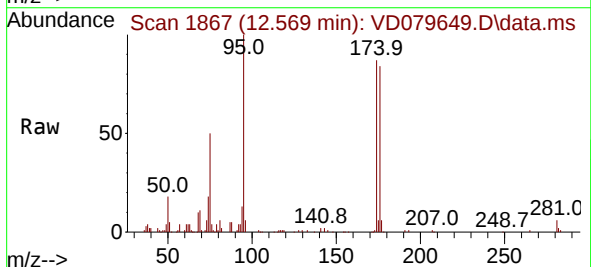
Instrument :
MSVOA_D
ClientSampleId :

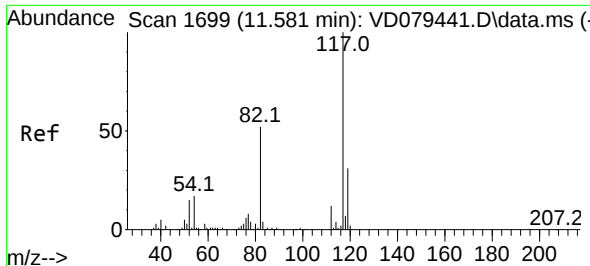
Tgt Ion:129 Resp: 4332
Ion Ratio Lower Upper
129 100
127 0.0 38.0 113.9#



#62
4-Bromofluorobenzene
Concen: 40.569 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

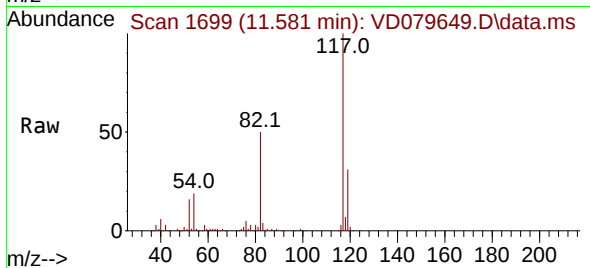
Tgt Ion: 95 Resp: 91414
Ion Ratio Lower Upper
95 100
174 90.8 0.0 195.4
176 89.5 0.0 192.6



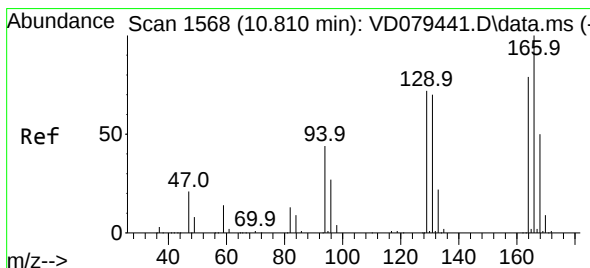
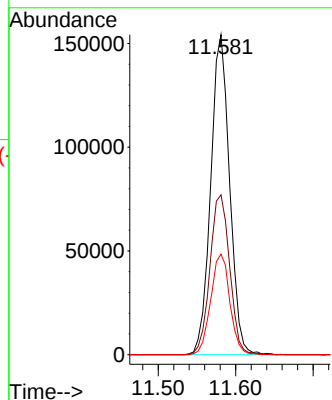
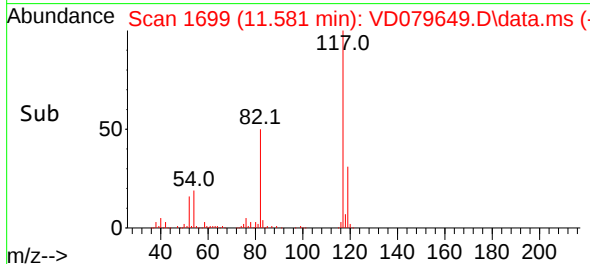


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

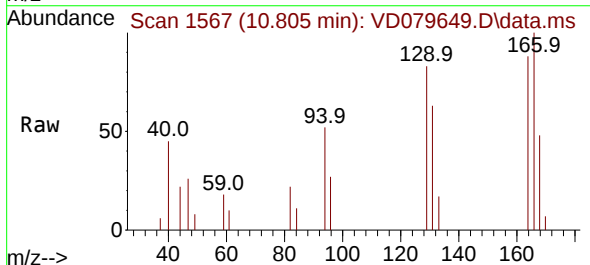
Instrument :
MSVOA_D
ClientSampleId :



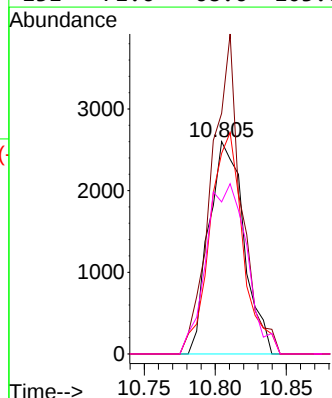
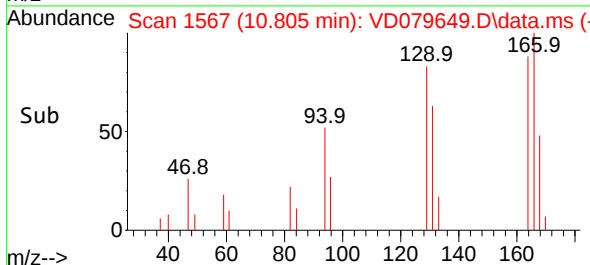
Tgt Ion:117 Resp: 261684
Ion Ratio Lower Upper
117 100
82 49.9 39.8 59.6
119 31.4 25.7 38.5

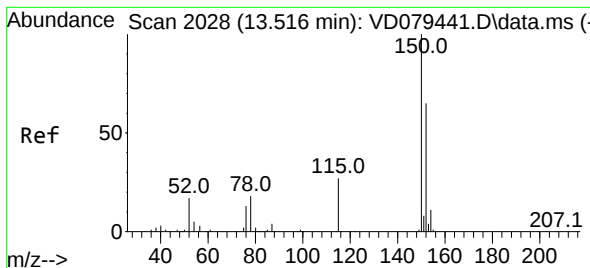


#64
Tetrachloroethene
Concen: 2.526 ug/l
RT: 10.805 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58



Tgt Ion:164 Resp: 4458
Ion Ratio Lower Upper
164 100
166 113.3 108.6 163.0
129 94.5 74.6 112.0
131 71.6 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD079649.D

Acq: 07 Aug 2024 18:58

Instrument :

MSVOA_D

ClientSampleId :

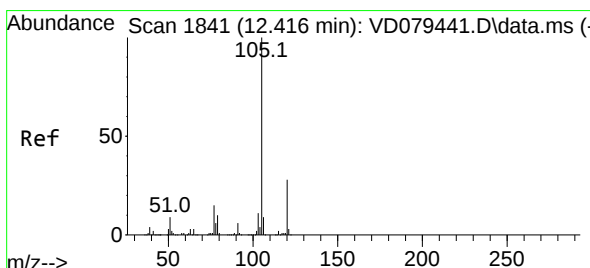
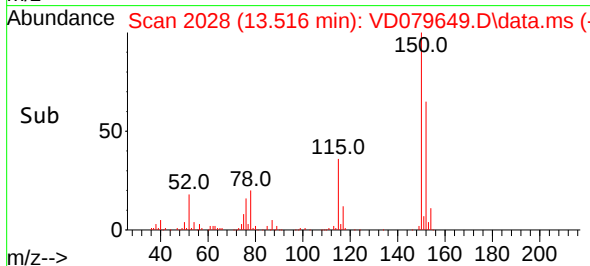
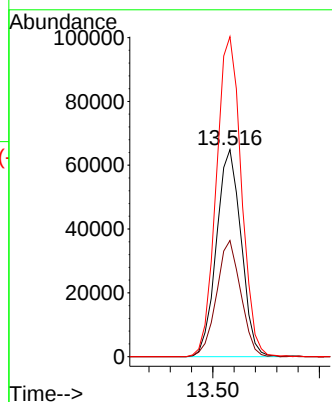
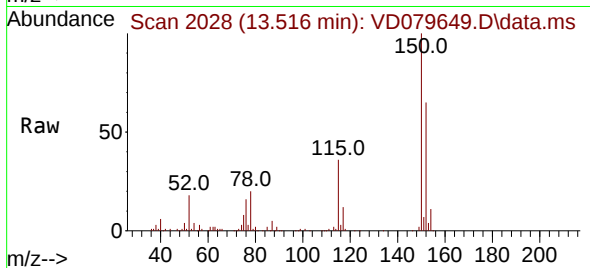
Tgt Ion:152 Resp: 104297

Ion Ratio Lower Upper

152 100

115 55.1 26.5 79.5

150 157.0 0.0 341.6



#73

Isopropylbenzene

Concen: 3.636 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.153 min

Lab File: VD079649.D

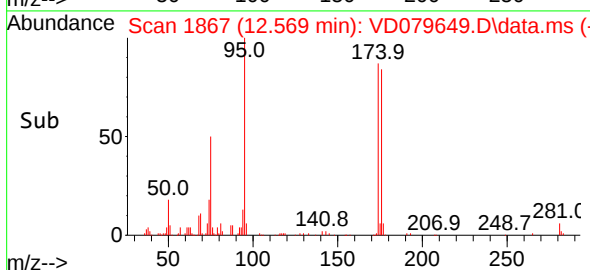
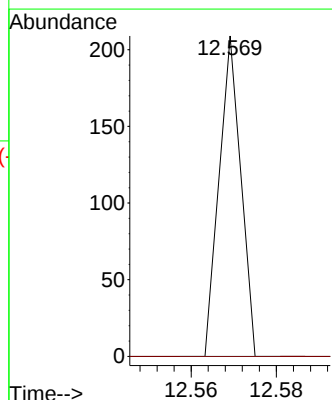
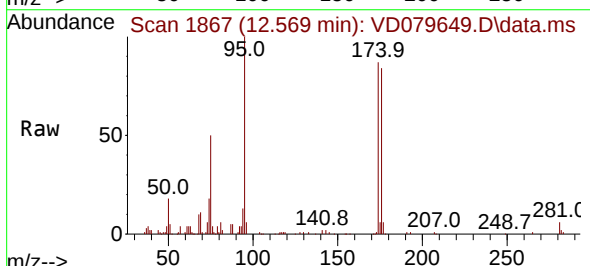
Acq: 07 Aug 2024 18:58

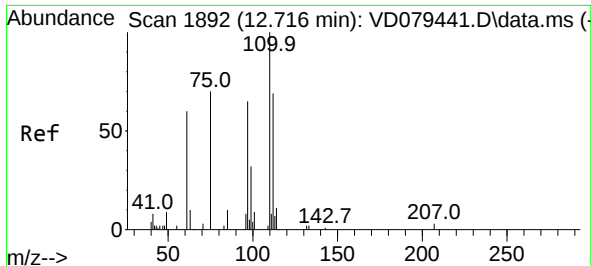
Tgt Ion:105 Resp: 74

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

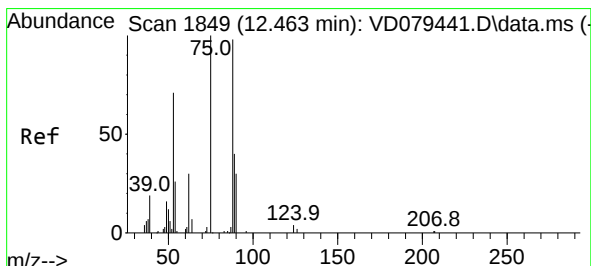
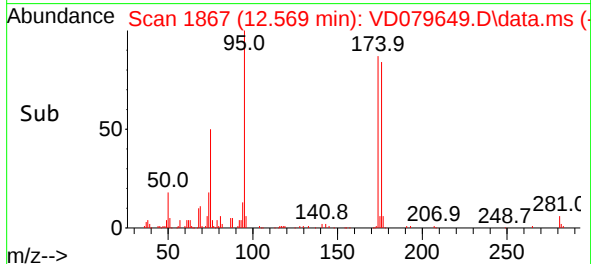
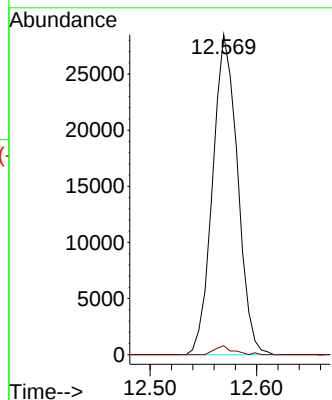
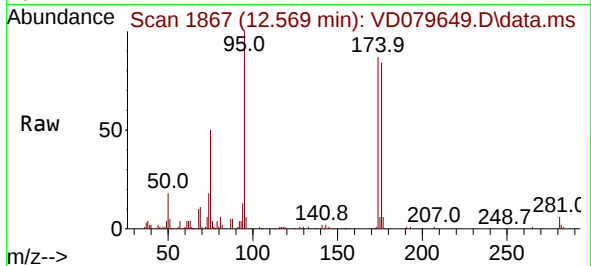




#76
1,2,3-Trichloropropane
Concen: 50.808 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

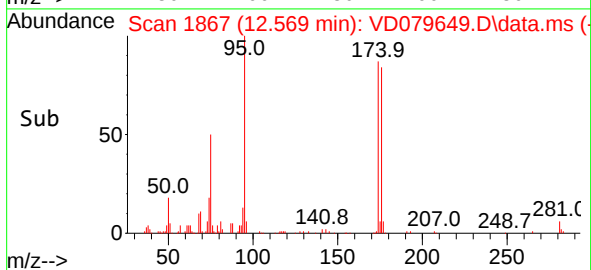
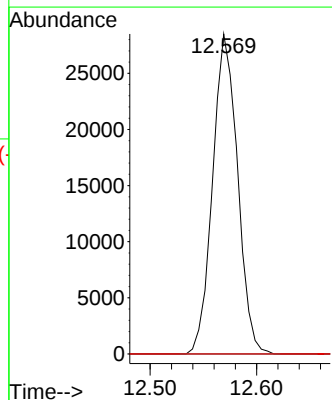
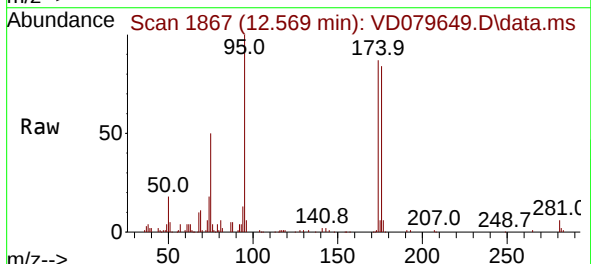
Instrument :
MSVOA_D
ClientSampleId :

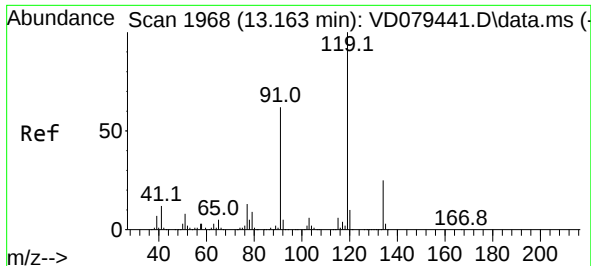
Tgt Ion: 75 Resp: 46320
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.905 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Tgt Ion: 75 Resp: 46320
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

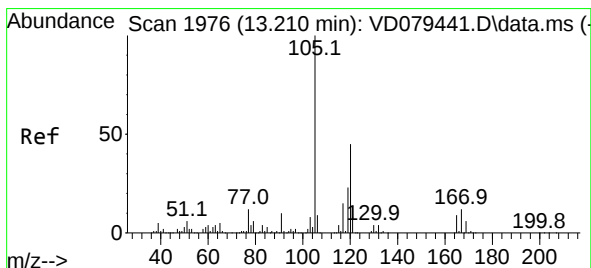
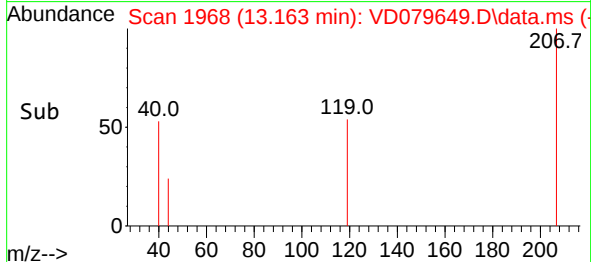
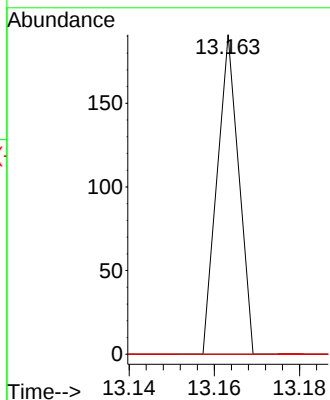
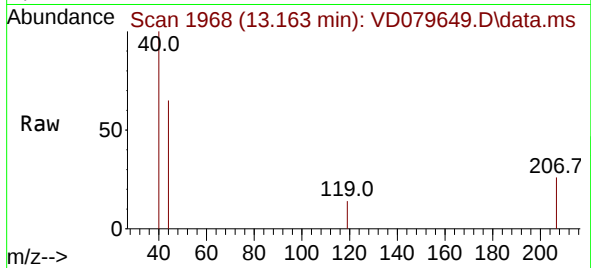




#83
tert-Butylbenzene
Concen: 3.639 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

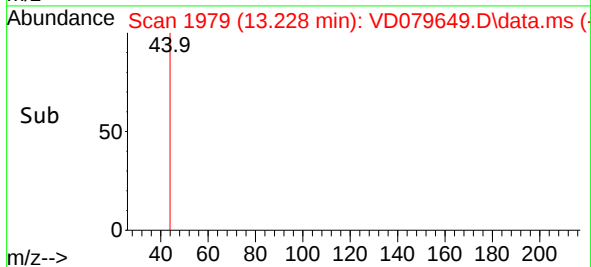
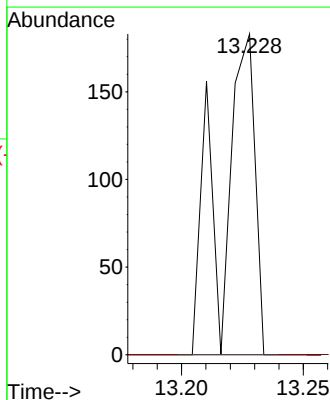
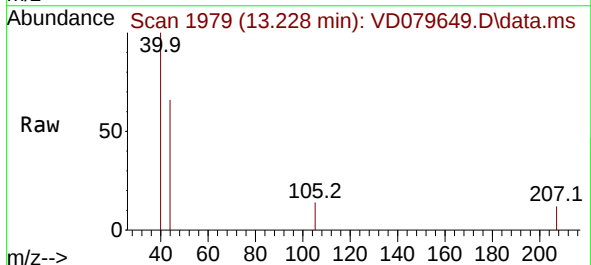
Instrument :
MSVOA_D
ClientSampleId :

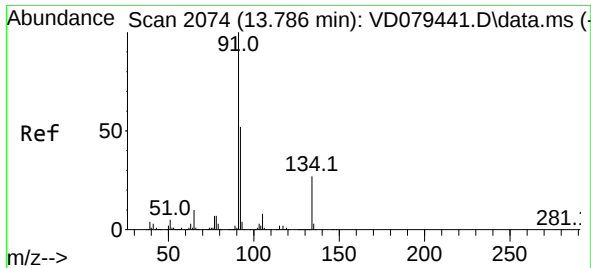
Tgt Ion:119 Resp: 67
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.453 ug/l
RT: 13.228 min Scan# 1979
Delta R.T. 0.024 min
Lab File: VD079649.D
Acq: 07 Aug 2024 18:58

Tgt Ion:105 Resp: 174
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#89

n-Butylbenzene

Concen: 3.813 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.259 min

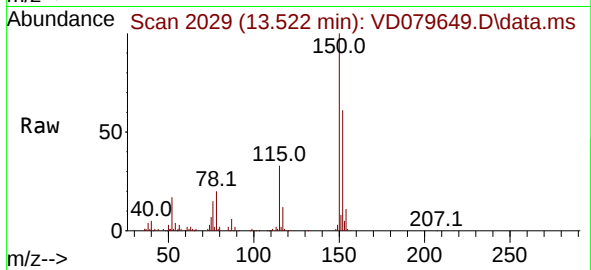
Lab File: VD079649.D

Acq: 07 Aug 2024 18:58

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 91 Resp: 222

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 28.4 13.6 40.8

