

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079643.D
 Acq On : 07 Aug 2024 16:14
 Operator : RP/MD
 Sample : P3393-03
 Misc : 8.26G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:51:54 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)

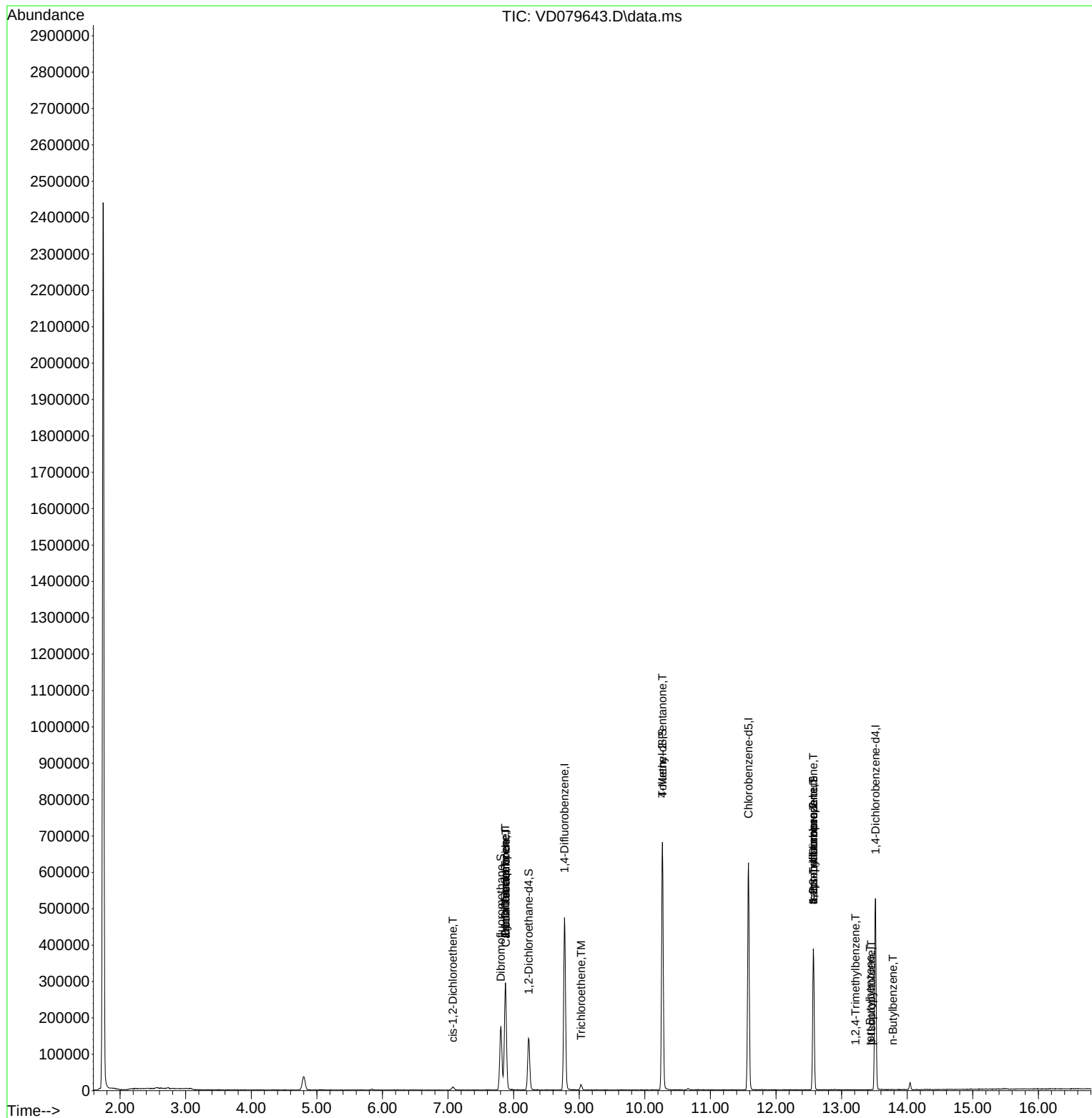
Internal Standards						
1) Pentafluorobenzene	7.875	168	222068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	425355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	363575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	142902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	110089	48.798	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.600%
35) Dibromofluoromethane	7.805	113	127434	44.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.520%
50) Toluene-d8	10.269	98	480290	42.959	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.920%
62) 4-Bromofluorobenzene	12.569	95	117504	36.319	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.640%
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	131	Below Cal	#	2
11) Tert butyl alcohol	5.052	59	584	Below Cal	#	83
13) Acrolein	3.752	56	83	Below Cal	#	15
20) Methylene Chloride	4.799	84	29663	Below Cal		90
27) cis-1,2-Dichloroethene	7.075	96	3320	1.078	ug/l	87
31) Cyclohexane	7.875	56	5176	1.381	ug/l	# 27
36) 1,1-Dichloropropene	7.875	75	18253	4.645	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	22983	5.564	ug/l	# 18
44) Trichloroethene	9.028	130	5423	1.745	ug/l	97
51) 4-Methyl-2-Pentanone	10.269	43	1906	1.233	ug/l	# 1
73) Isopropylbenzene	12.569	105	109	3.637	ug/l	# 48
76) 1,2,3-Trichloropropane	12.569	75	59579	47.697	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	59579	90.972	ug/l	# 19
83) tert-Butylbenzene	13.434	119	58	3.635	ug/l	# 31
84) 1,2,4-Trimethylbenzene	13.210	105	411	3.471	ug/l	# 29
86) p-Isopropyltoluene	13.451	119	58	3.892	ug/l	# 51
89) n-Butylbenzene	13.781	91	228	3.805	ug/l	96

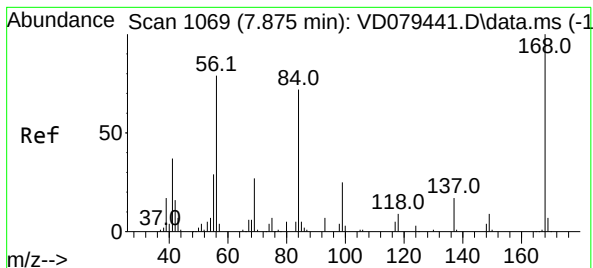
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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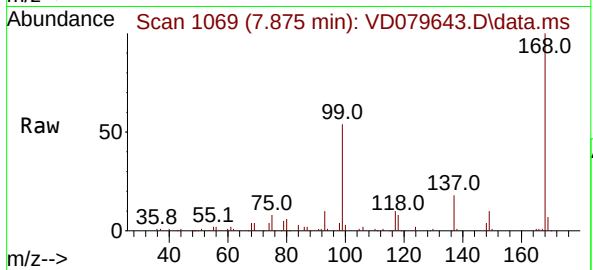
Quant Time: Aug 08 01:51:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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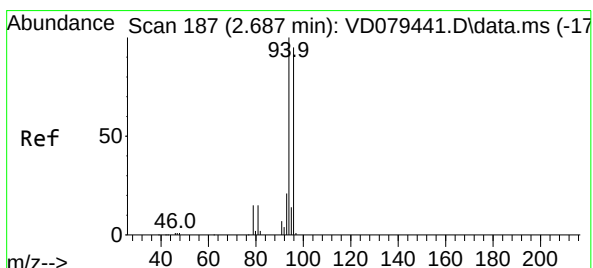
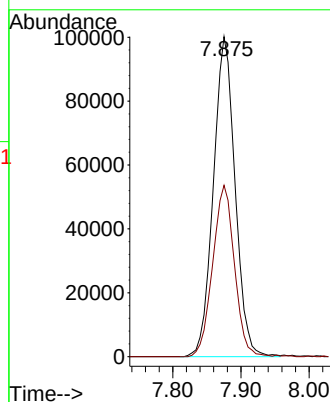
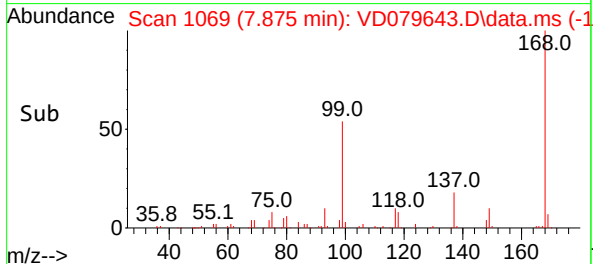


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :

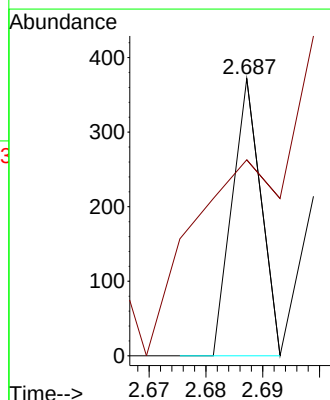
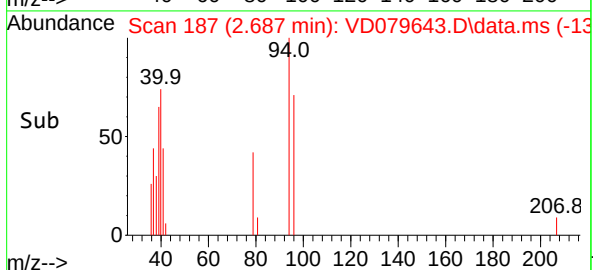
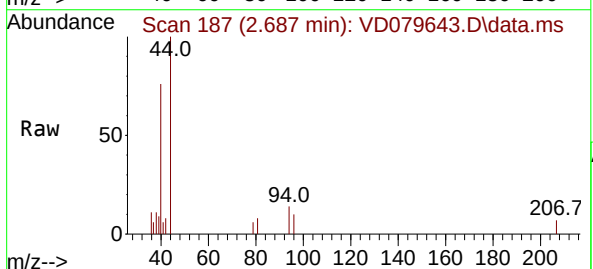


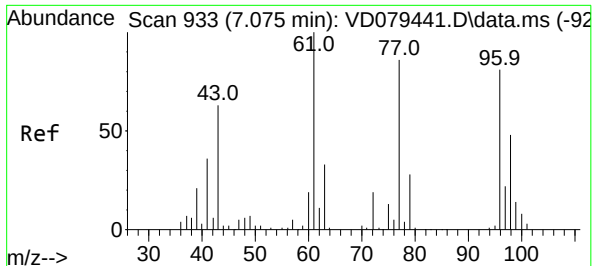
Tgt Ion:168 Resp: 222068
Ion Ratio Lower Upper
168 100
99 53.6 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#





#27

cis-1,2-Dichloroethene

Concen: 1.078 ug/l

RT: 7.075 min Scan# 91

Delta R.T. 0.000 min

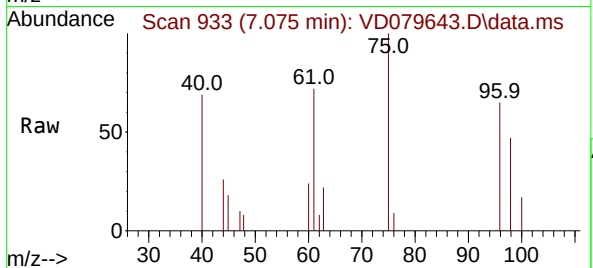
Lab File: VD079643.D

Acq: 07 Aug 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :



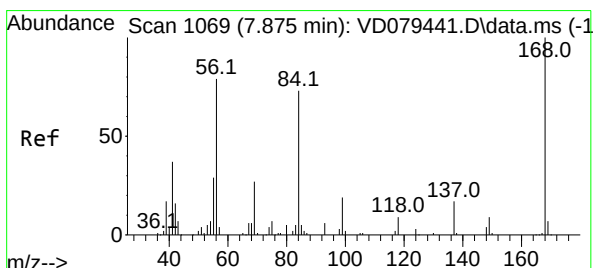
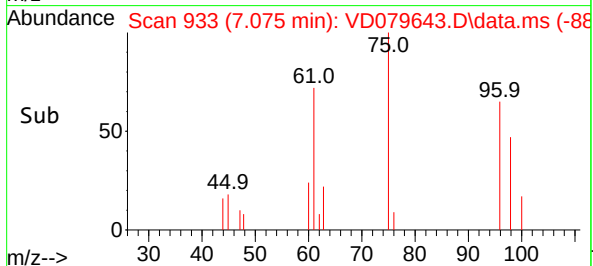
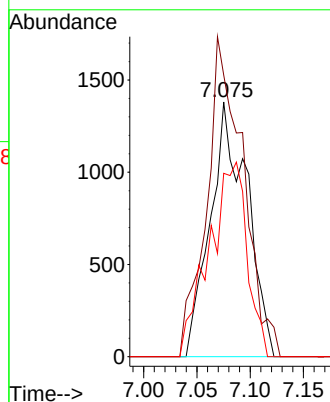
Tgt Ion: 96 Resp: 3320

Ion Ratio Lower Upper

96 100

61 124.4 0.0 229.0

98 78.6 0.0 127.2



#31

Cyclohexane

Concen: 1.381 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079643.D

Acq: 07 Aug 2024 16:14

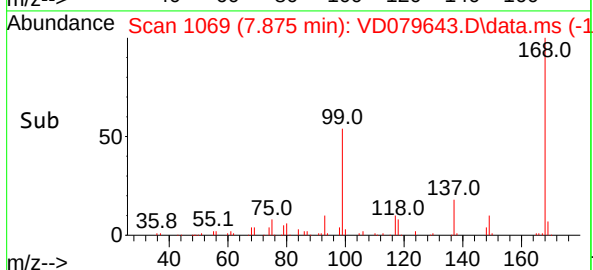
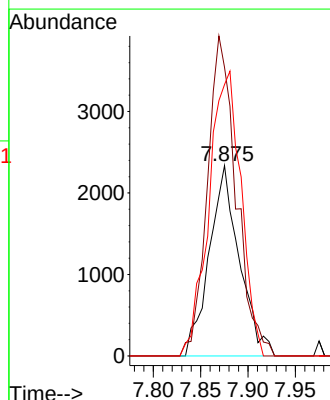
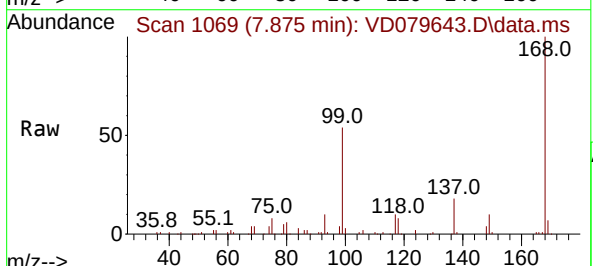
Tgt Ion: 56 Resp: 5176

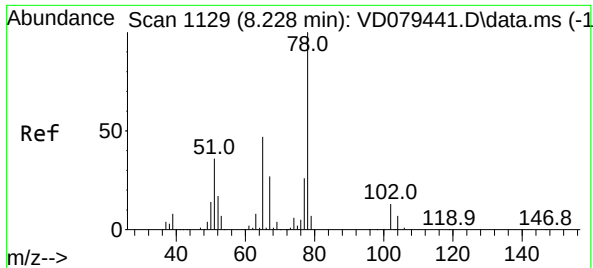
Ion Ratio Lower Upper

56 100

69 151.7 28.0 42.0#

84 142.6 87.4 131.0#

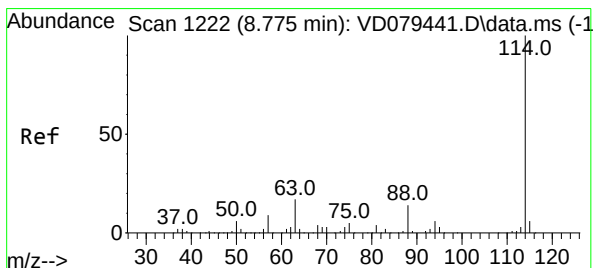
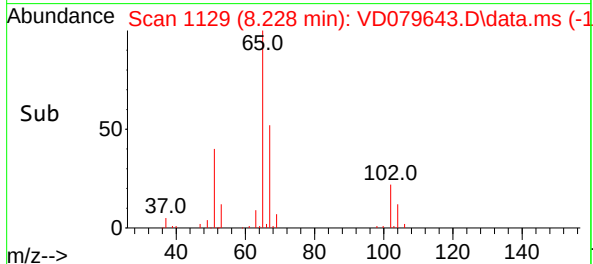
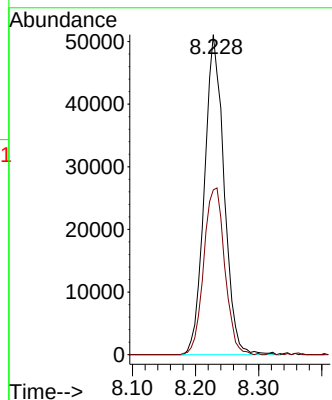
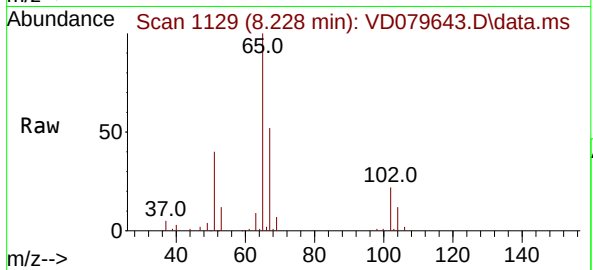




#33
 1,2-Dichloroethane-d4
 Concen: 48.798 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD079643.D
 Acq: 07 Aug 2024 16:14

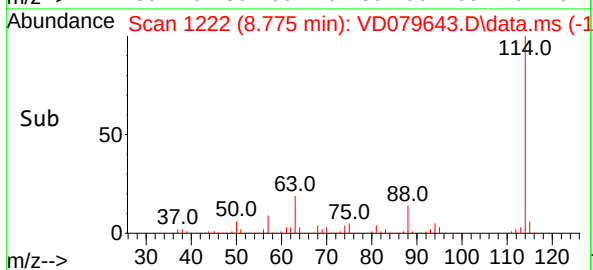
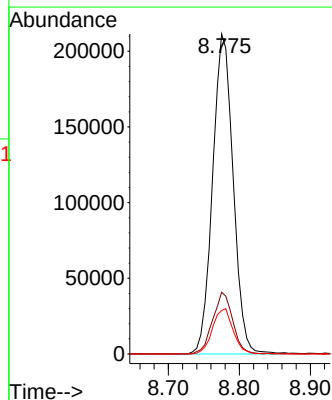
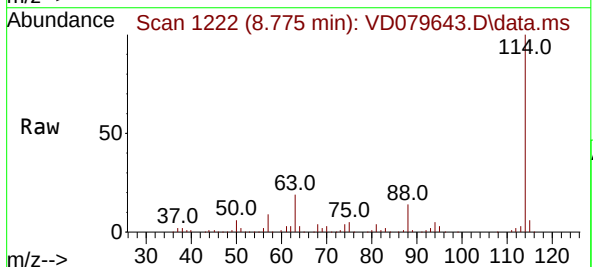
Instrument :
 MSVOA_D
 ClientSampleId :

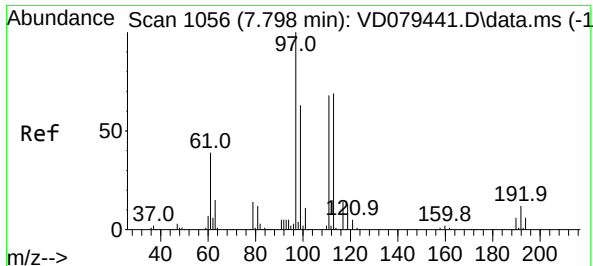
Tgt Ion: 65 Resp: 110089
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: VD079643.D
 Acq: 07 Aug 2024 16:14

Tgt Ion: 114 Resp: 425355
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 34.0
 88 13.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 44.263 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079643.D

Acq: 07 Aug 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :

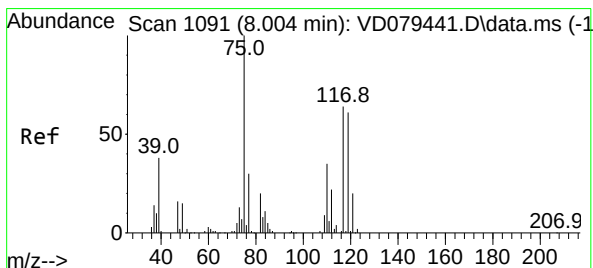
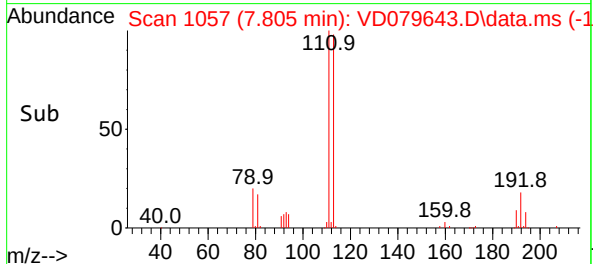
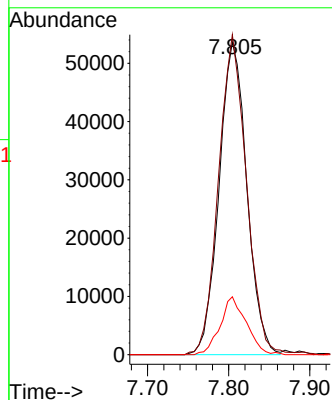
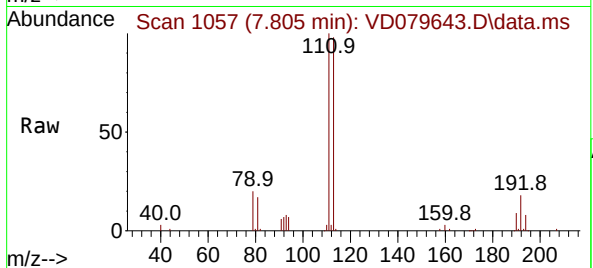
Tgt Ion:113 Resp: 127434

Ion Ratio Lower Upper

113 100

111 102.4 84.0 126.0

192 17.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079643.D

Acq: 07 Aug 2024 16:14

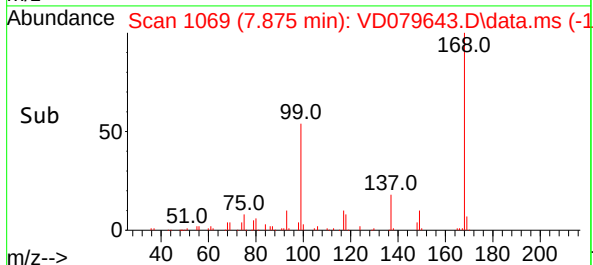
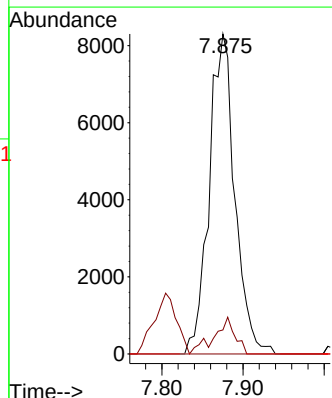
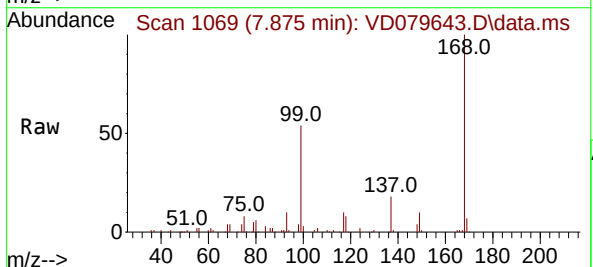
Tgt Ion: 75 Resp: 18253

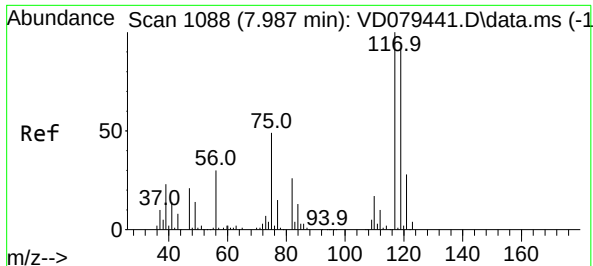
Ion Ratio Lower Upper

75 100

110 9.3 19.6 58.7#

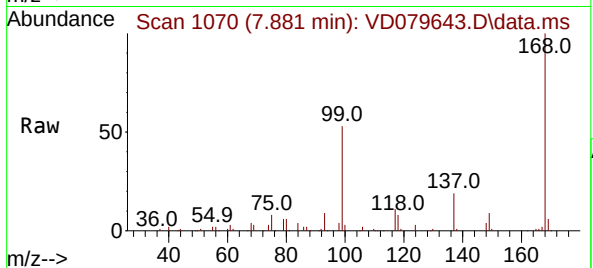
77 0.0 26.1 39.1#



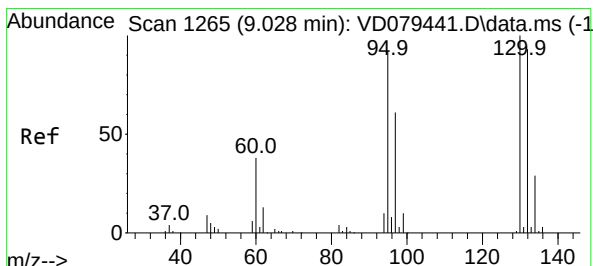
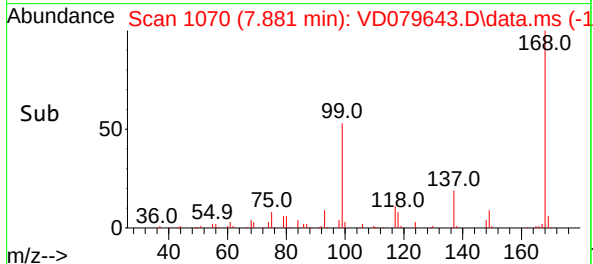
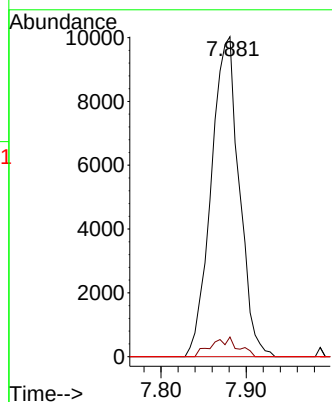


#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :

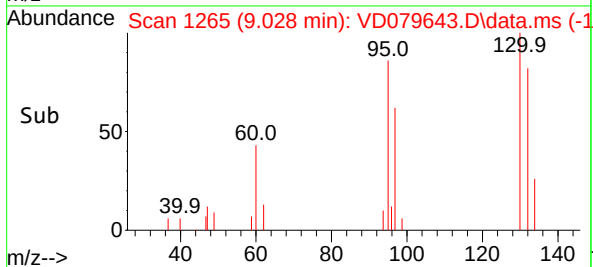
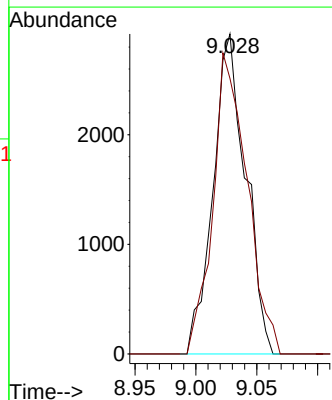
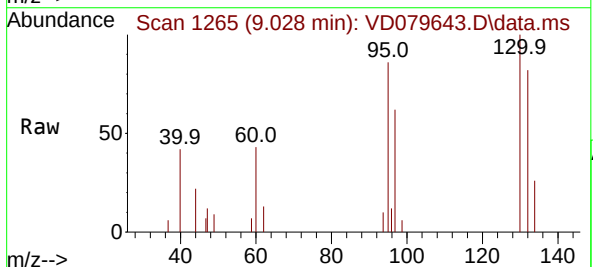


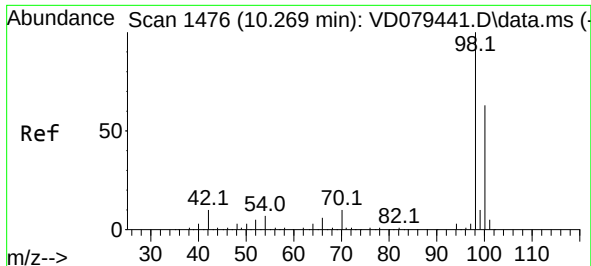
Tgt Ion:117 Resp: 22983
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 1.745 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Tgt Ion:130 Resp: 5423
Ion Ratio Lower Upper
130 100
95 86.1 0.0 177.8

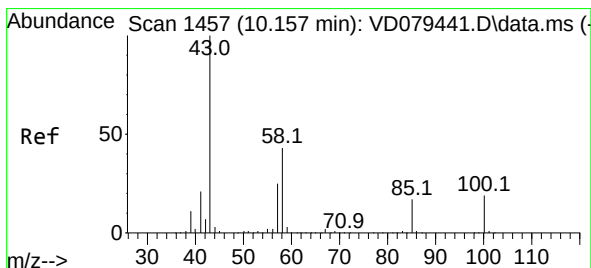
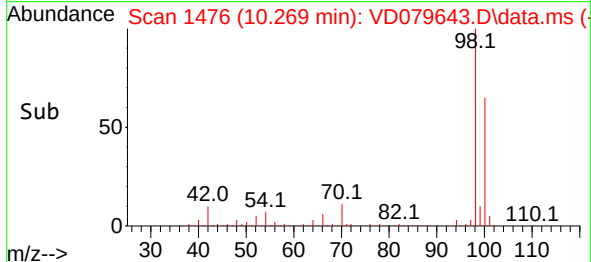
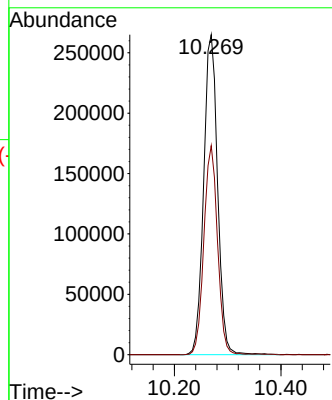
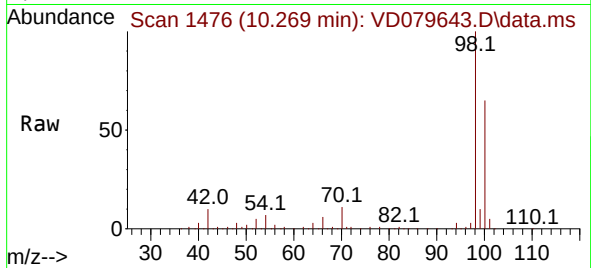




#50
Toluene-d8
Concen: 42.959 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

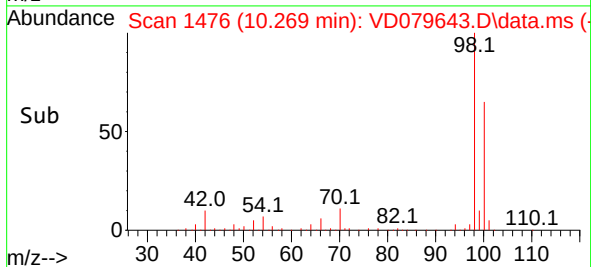
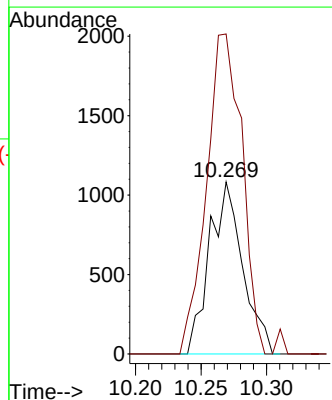
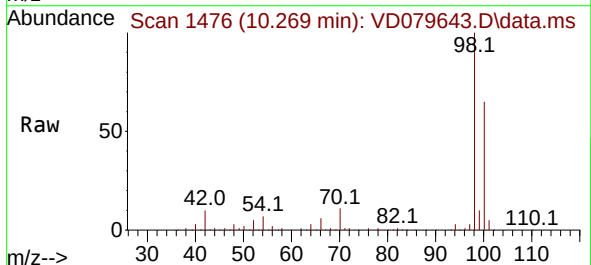
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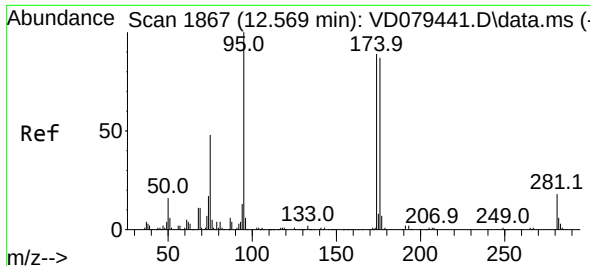
Tgt Ion: 98 Resp: 480290
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 199.2 36.6 55.0#

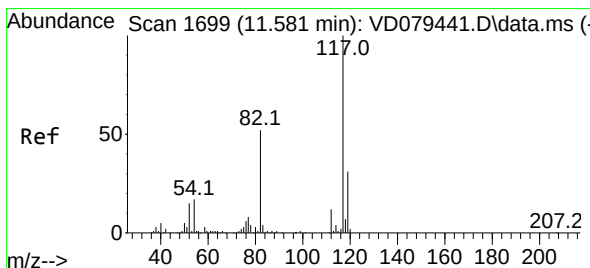
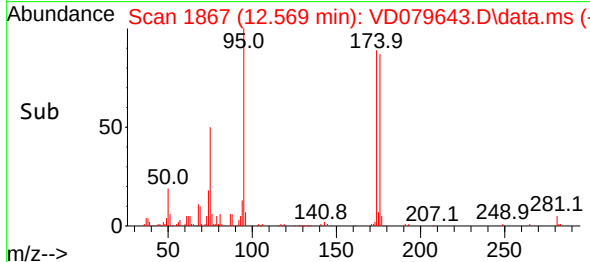
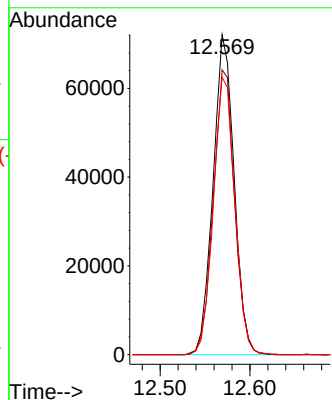
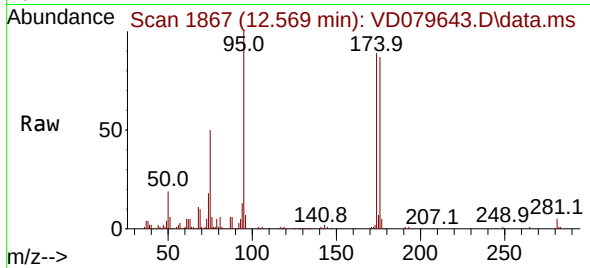




#62
4-Bromofluorobenzene
Concen: 36.319 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

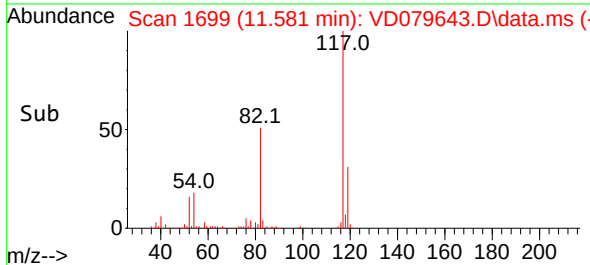
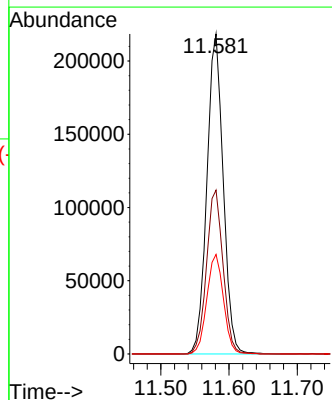
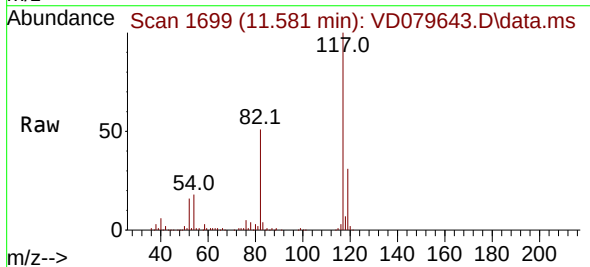
Instrument :
MSVOA_D
ClientSampleId :

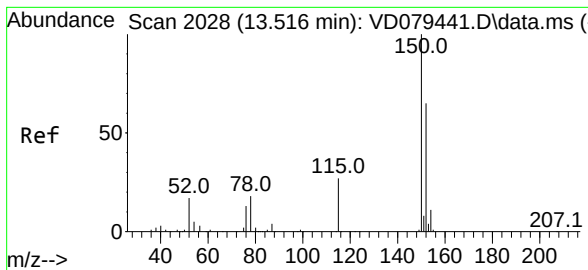
Tgt Ion: 95 Resp: 117504
Ion Ratio Lower Upper
95 100
174 90.0 0.0 195.4
176 88.4 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Tgt Ion: 117 Resp: 363575
Ion Ratio Lower Upper
117 100
82 51.2 39.8 59.6
119 31.1 25.7 38.5

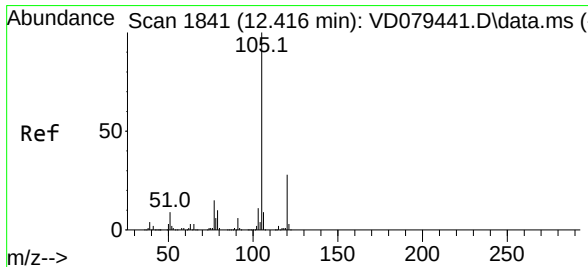
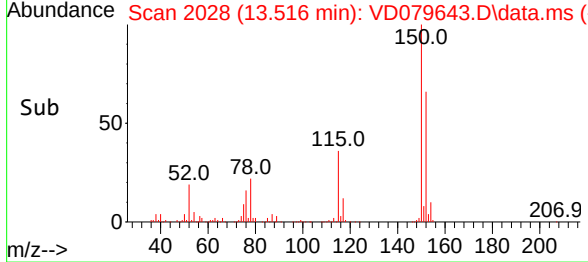
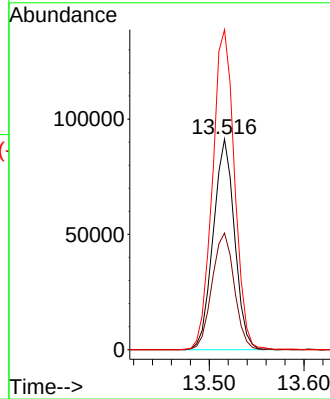
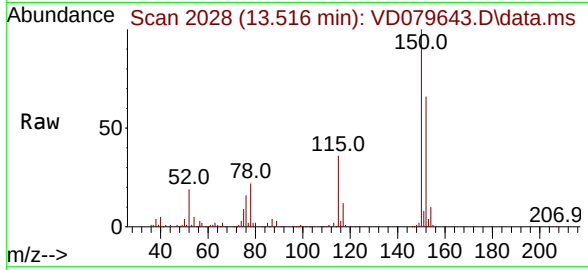




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD079643.D
 Acq: 07 Aug 2024 16:14

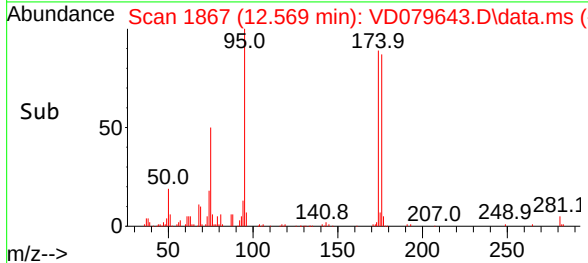
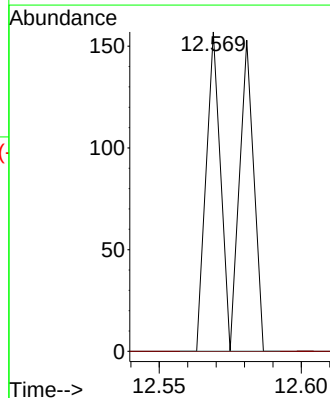
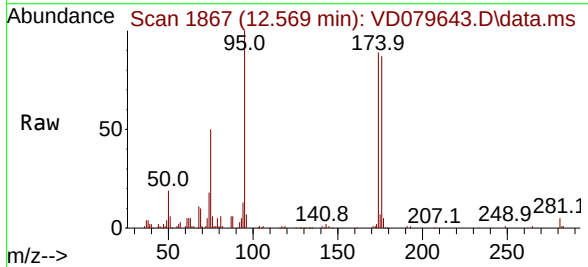
Instrument :
 MSVOA_D
 ClientSampleId :

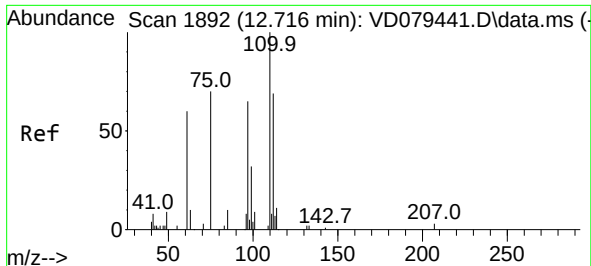
Tgt Ion:152 Resp: 142902
 Ion Ratio Lower Upper
 152 100
 115 57.7 26.5 79.5
 150 156.9 0.0 341.6



#73
 Isopropylbenzene
 Concen: 3.637 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.153 min
 Lab File: VD079643.D
 Acq: 07 Aug 2024 16:14

Tgt Ion:105 Resp: 109
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.6 40.7#

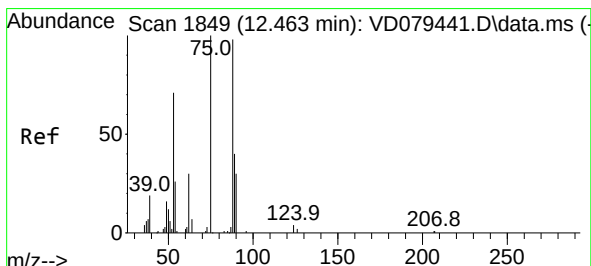
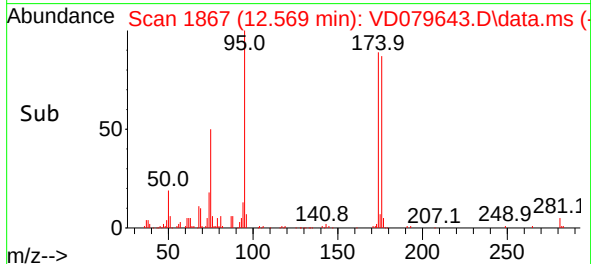
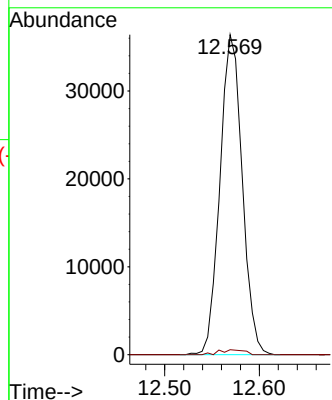
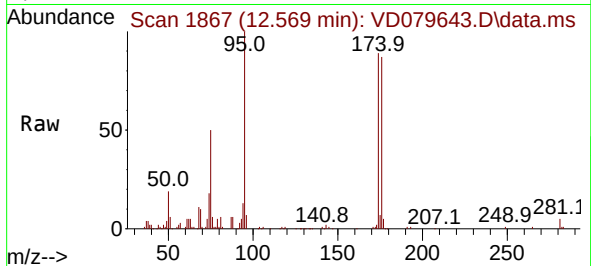




#76
1,2,3-Trichloropropane
Concen: 47.697 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

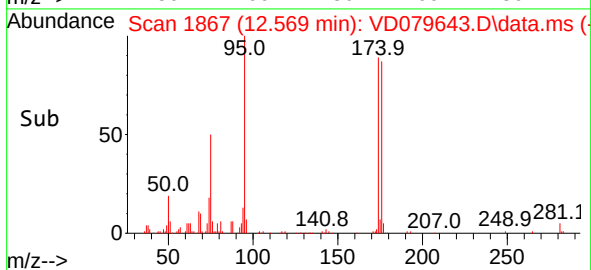
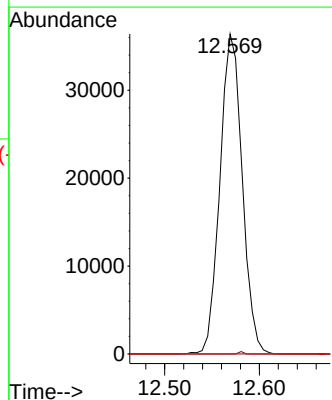
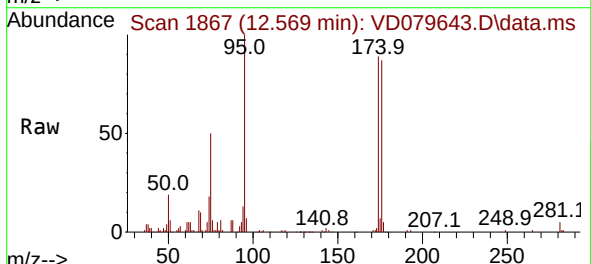
Instrument :
MSVOA_D
ClientSampleId :

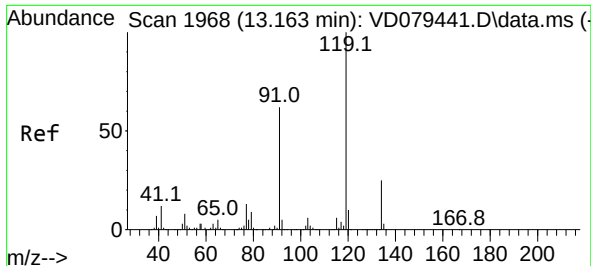
Tgt Ion: 75 Resp: 59579
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.972 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

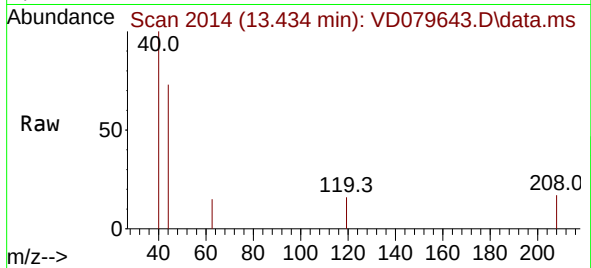
Tgt Ion: 75 Resp: 59579
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.0 35.4 53.0#



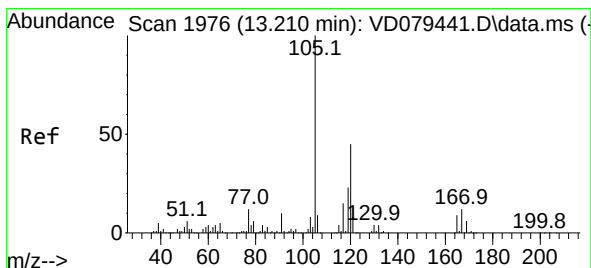
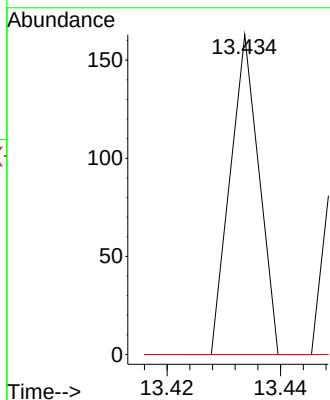
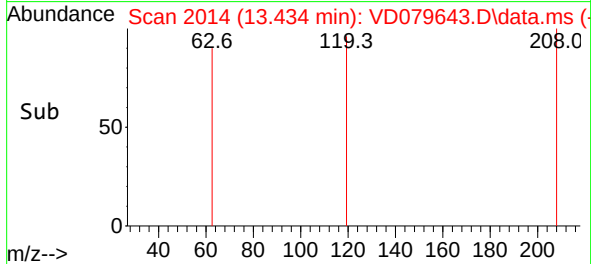


#83
 tert-Butylbenzene
 Concen: 3.635 ug/l
 RT: 13.434 min Scan# 2014
 Delta R.T. 0.271 min
 Lab File: VD079643.D
 Acq: 07 Aug 2024 16:14

Instrument :
 MSVOA_D
 ClientSampleId :

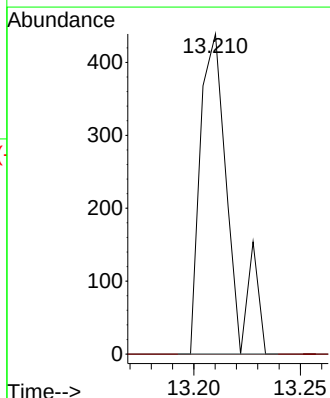
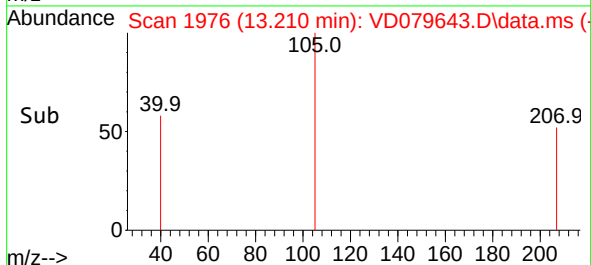
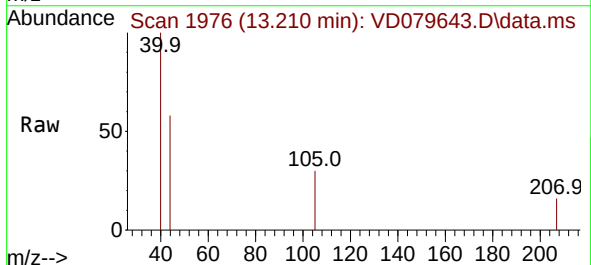


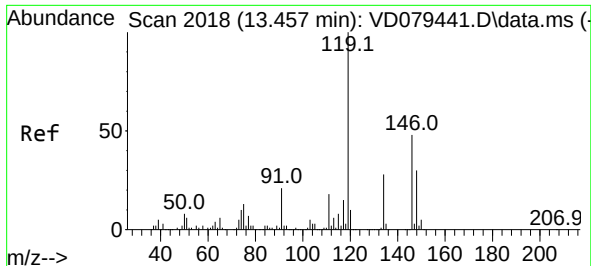
Tgt Ion:119 Resp: 58
 Ion Ratio Lower Upper
 119 100
 91 0.0 28.2 84.7#
 134 0.0 13.4 40.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 3.471 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.006 min
 Lab File: VD079643.D
 Acq: 07 Aug 2024 16:14

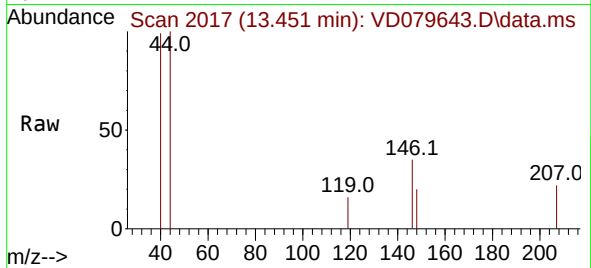
Tgt Ion:105 Resp: 411
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.6 71.0#



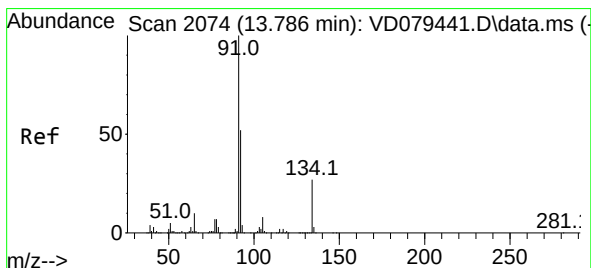
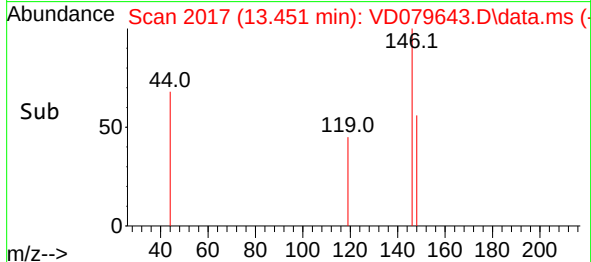
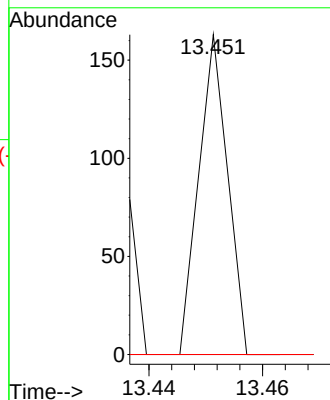


#86
p-Isopropyltoluene
Concen: 3.892 ug/l
RT: 13.451 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 58
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.805 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079643.D
Acq: 07 Aug 2024 16:14

Tgt Ion: 91 Resp: 228
Ion Ratio Lower Upper
91 100
92 48.7 25.7 77.0
134 24.6 13.6 40.8

