

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080924\
 Data File : VD079691.D
 Acq On : 09 Aug 2024 14:17
 Operator : RP/MD
 Sample : P3474-06
 Misc : 6.64G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 02:09:46 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)

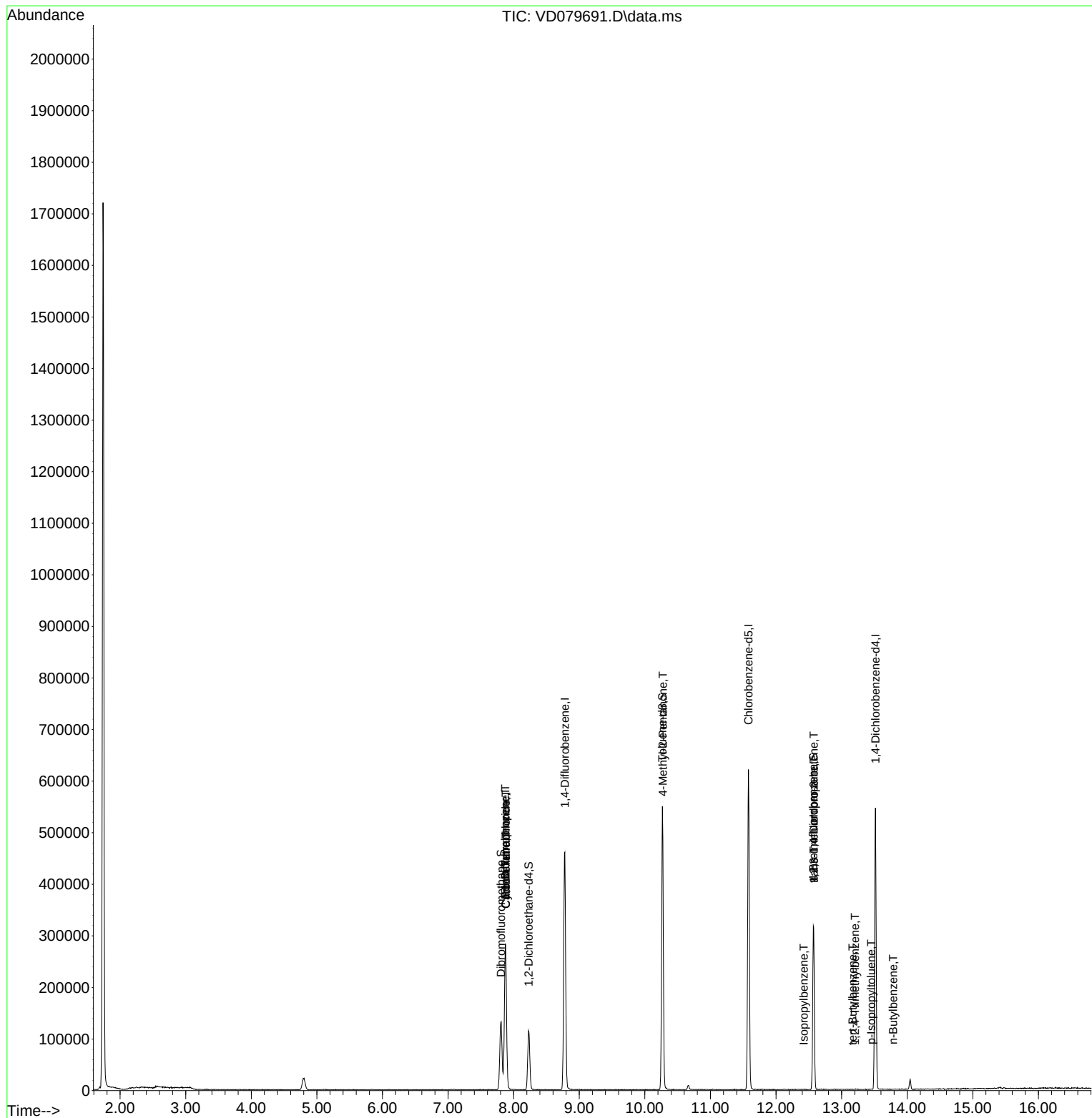
Internal Standards						
1) Pentafluorobenzene	7.875	168	212472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	419589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	357363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	144774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	88239	40.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.760%
35) Dibromofluoromethane	7.810	113	100114	35.252	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.500%
50) Toluene-d8	10.269	98	383681	34.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	69.580%
62) 4-Bromofluorobenzene	12.569	95	96451	30.221	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	572	Below Cal		81
20) Methylene Chloride	4.793	84	17907	Below Cal		96
31) Cyclohexane	7.881	56	4983	1.390	ug/l #	29
36) 1,1-Dichloropropene	7.875	75	17906	4.619	ug/l #	47
38) Carbon Tetrachloride	7.881	117	22462	5.512	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	1581	1.037	ug/l #	1
73) Isopropylbenzene	12.422	105	70	3.634	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	49940	39.464	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	49940	75.268	ug/l #	19
83) tert-Butylbenzene	13.169	119	59	3.635	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	241	3.453	ug/l	68
86) p-Isopropyltoluene	13.451	119	244	3.909	ug/l #	51
89) n-Butylbenzene	13.786	91	312	3.813	ug/l #	45

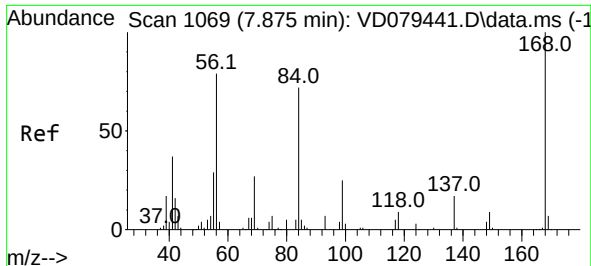
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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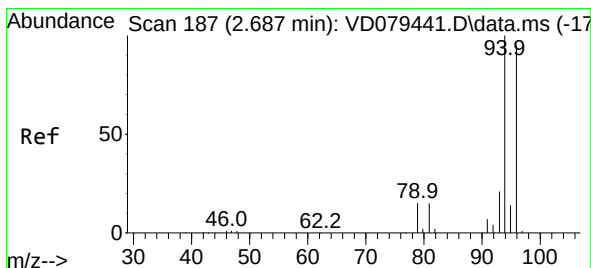
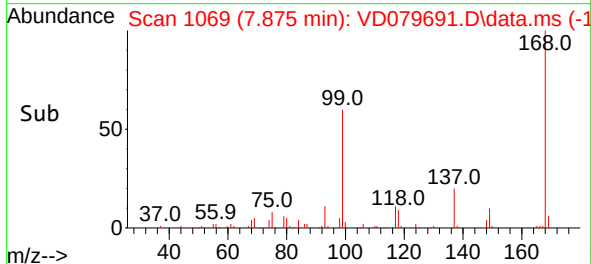
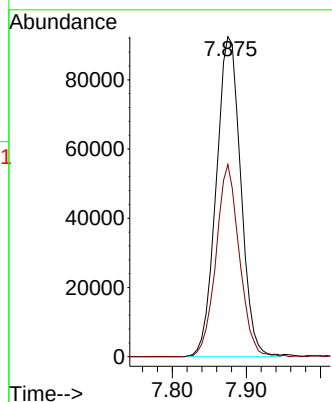
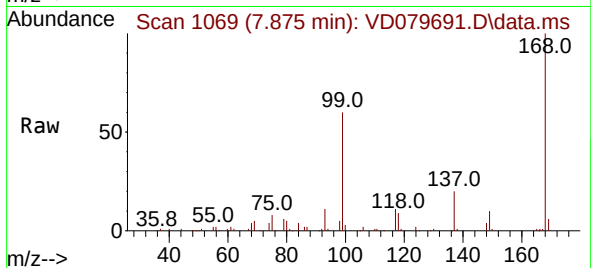




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

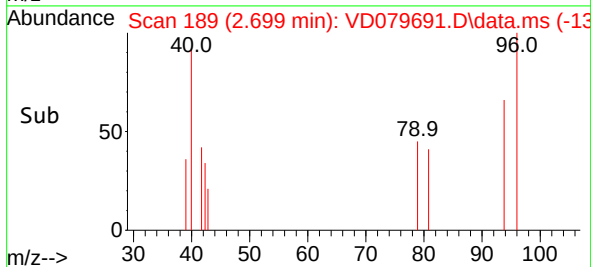
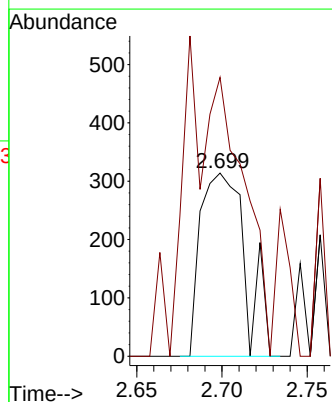
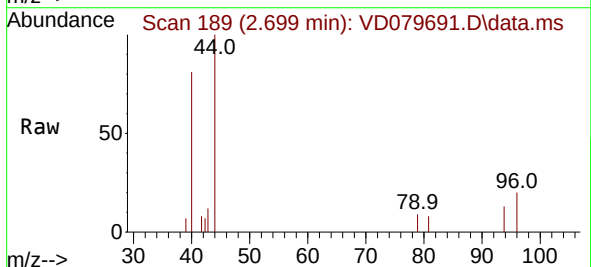
Instrument :
MSVOA_D
ClientSampleId :

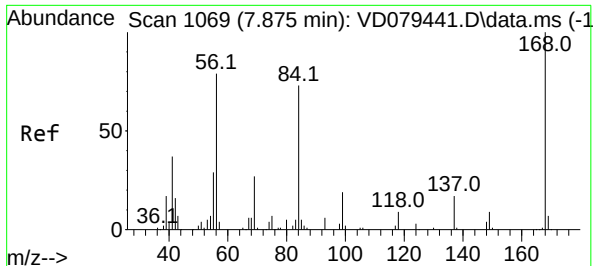
Tgt Ion:168 Resp: 212472
Ion Ratio Lower Upper
168 100
99 60.0 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

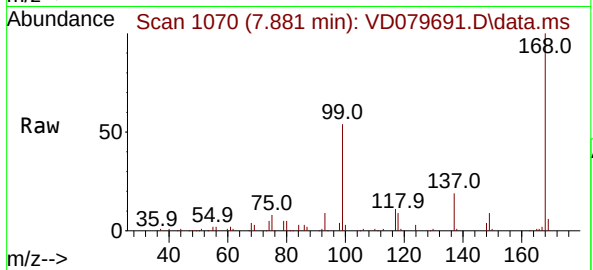
Tgt Ion: 94 Resp: 572
Ion Ratio Lower Upper
94 100
96 77.3 76.9 115.3



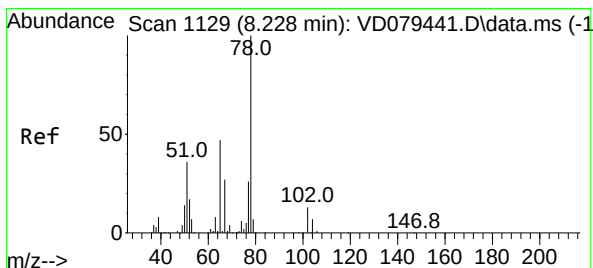
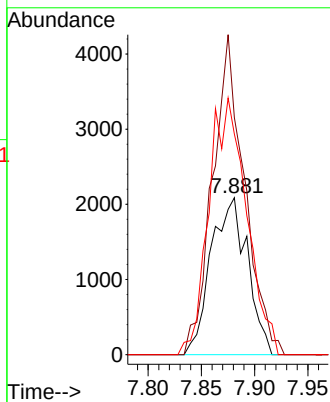
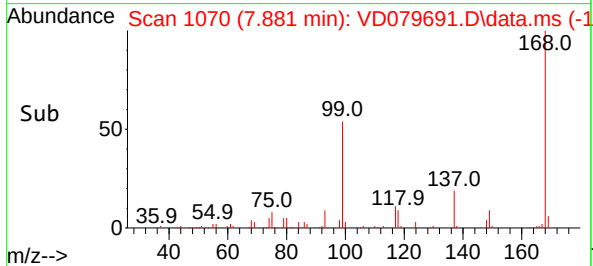


#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

Instrument :
MSVOA_D
ClientSampleId :

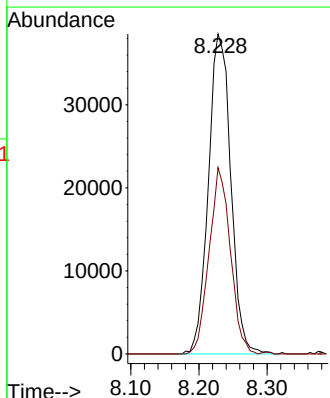
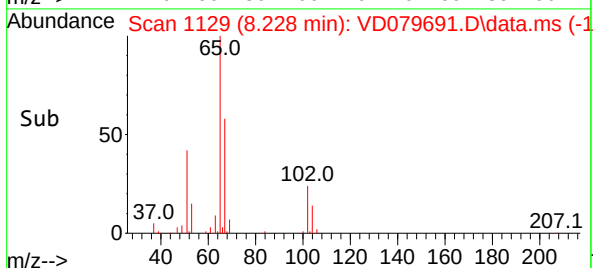
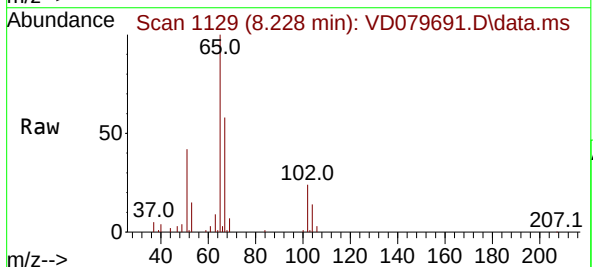


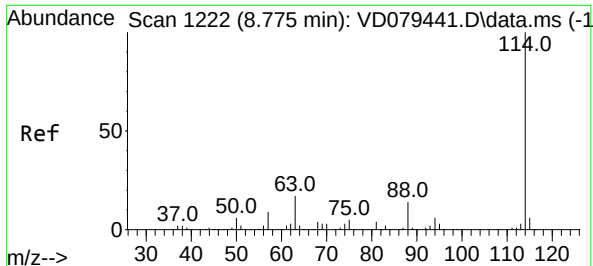
Tgt Ion: 56 Resp: 4983
Ion Ratio Lower Upper
56 100
69 151.2 28.0 42.0#
84 140.6 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 40.880 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

Tgt Ion: 65 Resp: 88239
Ion Ratio Lower Upper
65 100
67 55.3 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD079691.D

Acq: 09 Aug 2024 14:17

Instrument :

MSVOA_D

ClientSampleId :

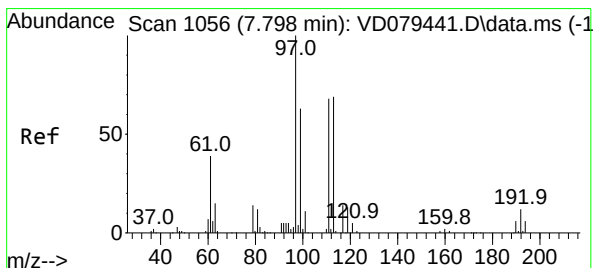
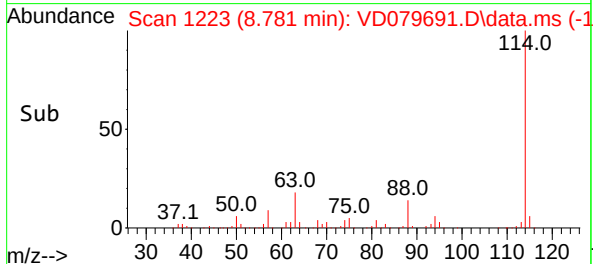
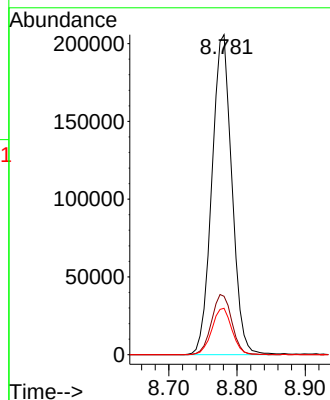
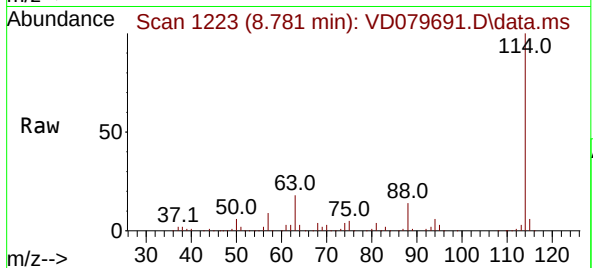
Tgt Ion:114 Resp: 419589

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 35.252 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079691.D

Acq: 09 Aug 2024 14:17

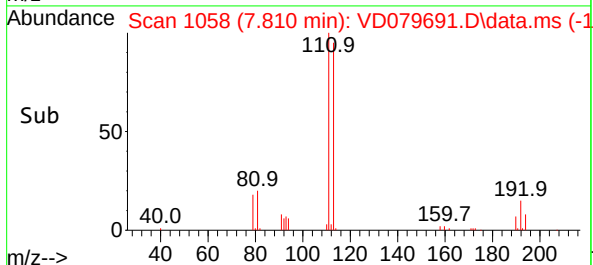
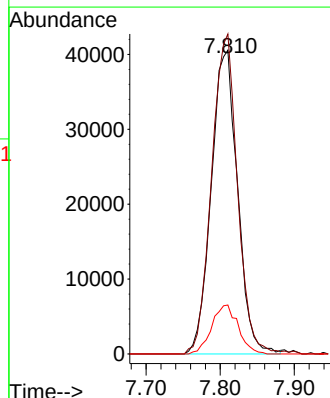
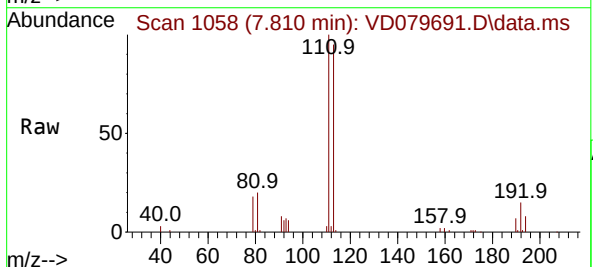
Tgt Ion:113 Resp: 100114

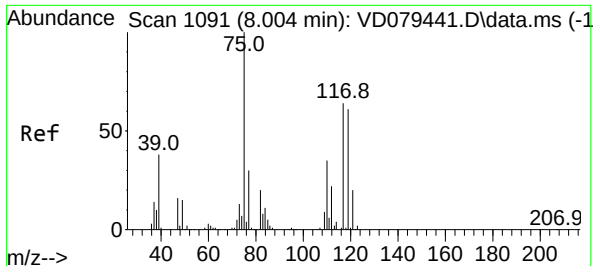
Ion Ratio Lower Upper

113 100

111 103.6 84.0 126.0

192 16.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

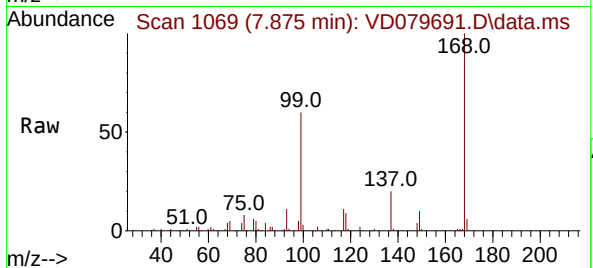
Lab File: VD079691.D

Acq: 09 Aug 2024 14:17

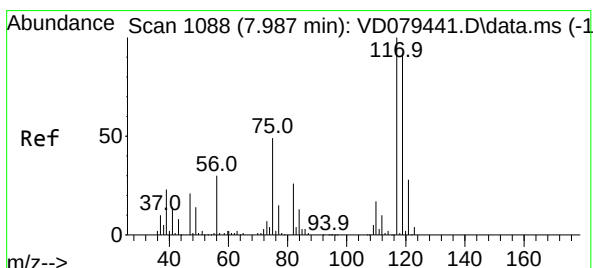
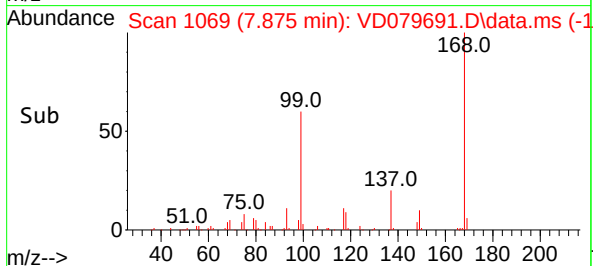
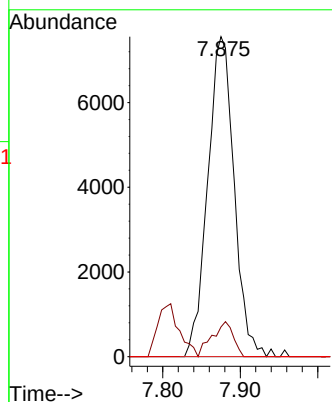
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 17906
Ion Ratio	Lower Upper
75	100
110	8.7 19.6 58.7#
77	0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.512 ug/l

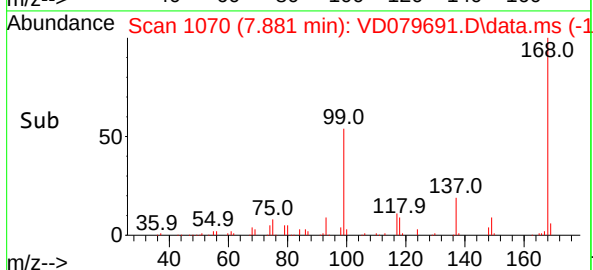
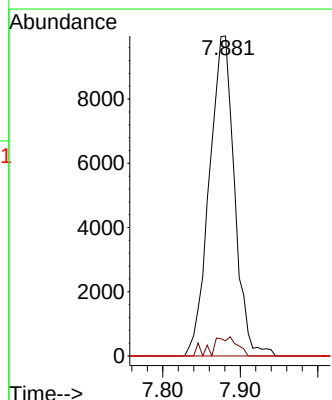
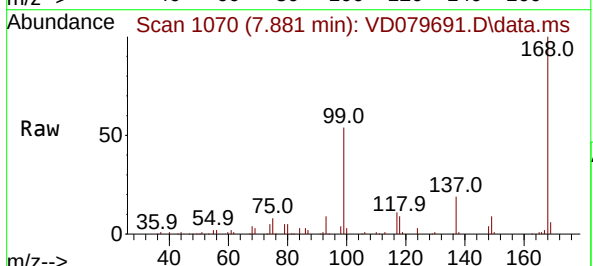
RT: 7.881 min Scan# 1070

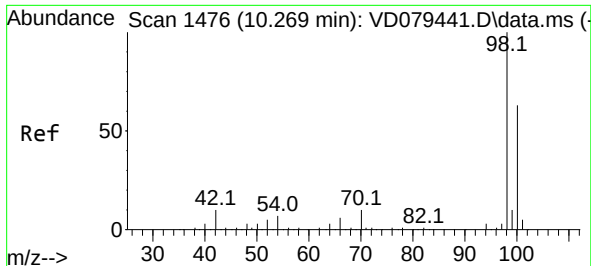
Delta R.T. -0.106 min

Lab File: VD079691.D

Acq: 09 Aug 2024 14:17

Tgt Ion: 117	Resp: 22462
Ion Ratio	Lower Upper
117	100
119	4.7 75.4 113.0#
121	0.0 25.0 37.4#

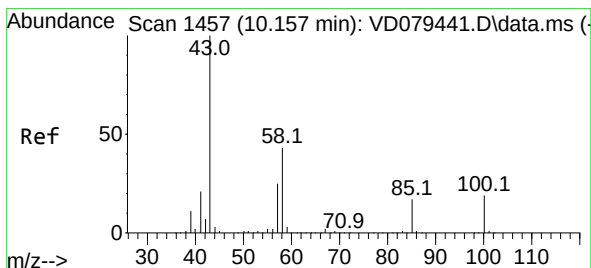
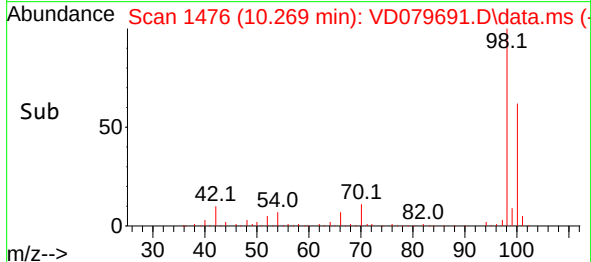
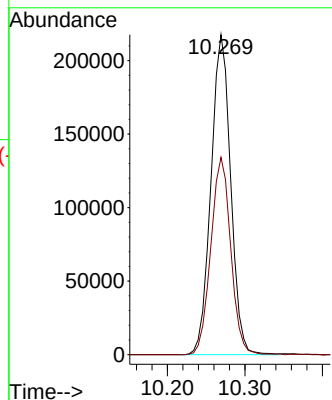
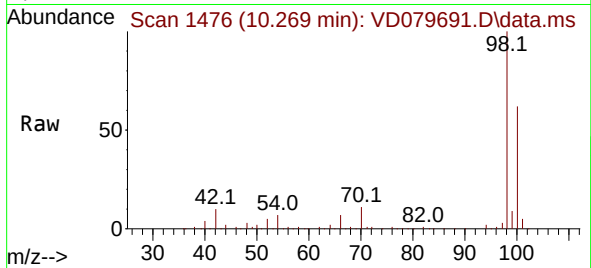




#50
Toluene-d8
Concen: 34.789 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

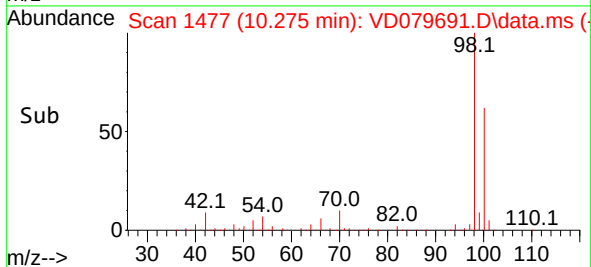
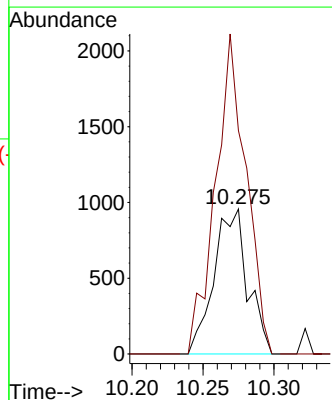
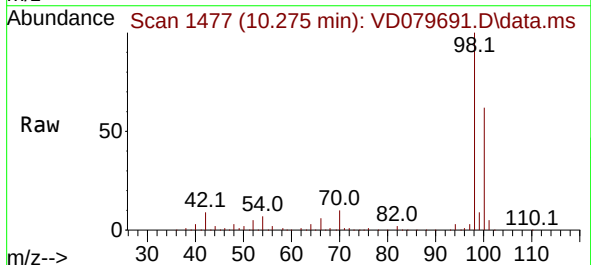
Instrument :
MSVOA_D
ClientSampleId :

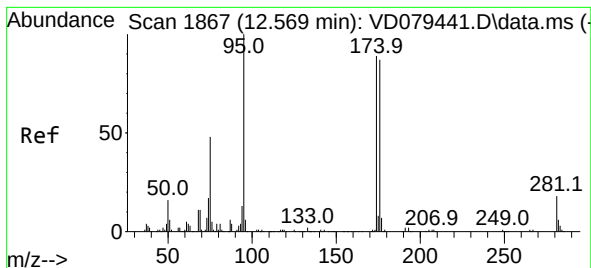
Tgt Ion: 98 Resp: 383681
Ion Ratio Lower Upper
98 100
100 62.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.037 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
58 200.6 36.6 55.0#

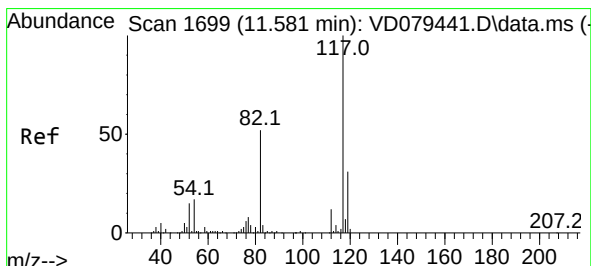
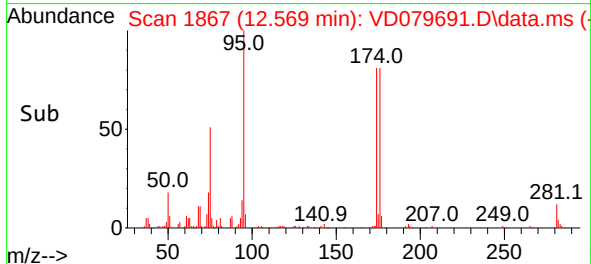
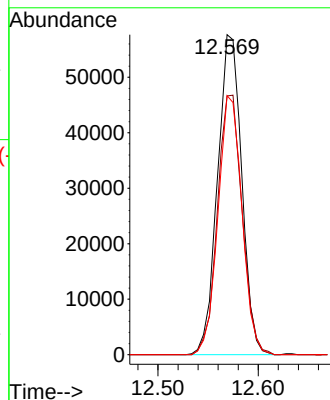
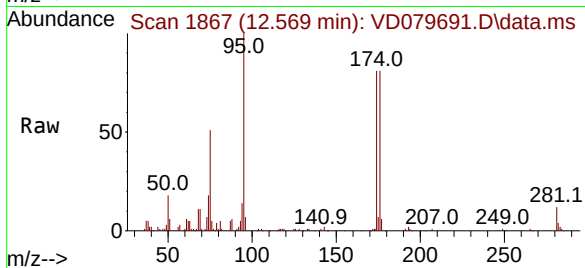




#62
4-Bromofluorobenzene
Concen: 30.221 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

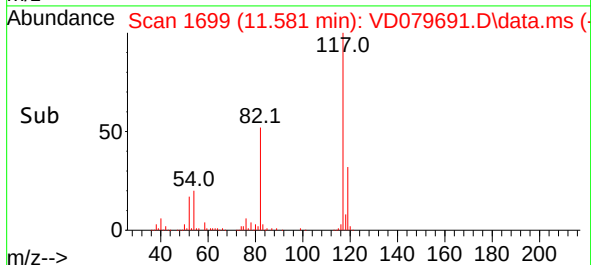
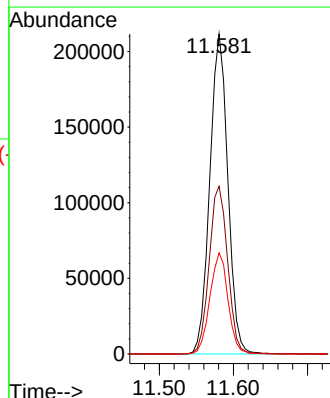
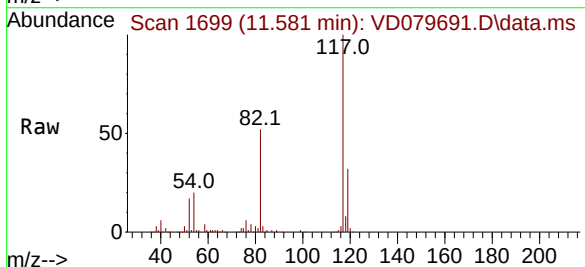
Instrument :
MSVOA_D
ClientSampleId :

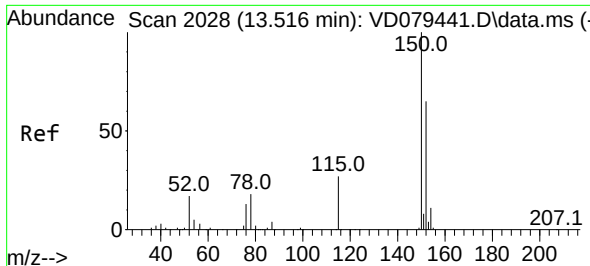
Tgt Ion: 95 Resp: 96451
Ion Ratio Lower Upper
95 100
174 83.0 0.0 195.4
176 80.3 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

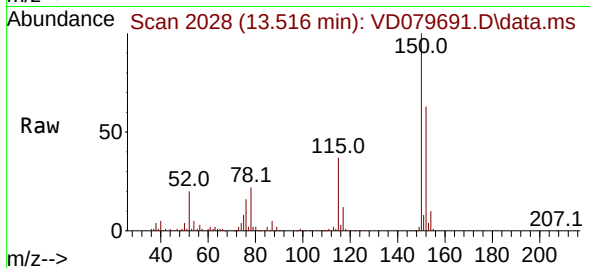
Tgt Ion: 117 Resp: 357363
Ion Ratio Lower Upper
117 100
82 52.4 39.8 59.6
119 31.6 25.7 38.5



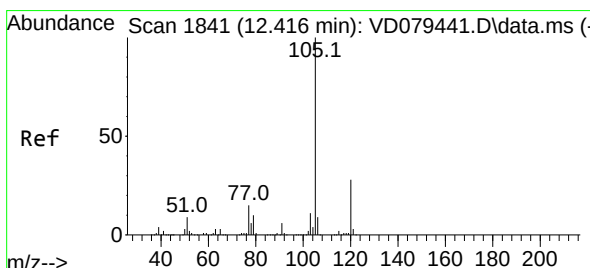
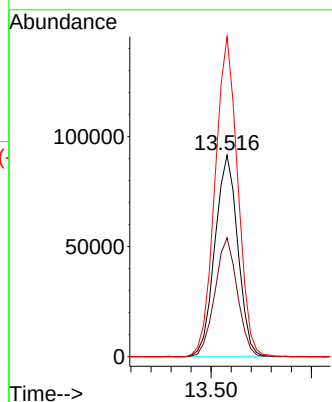
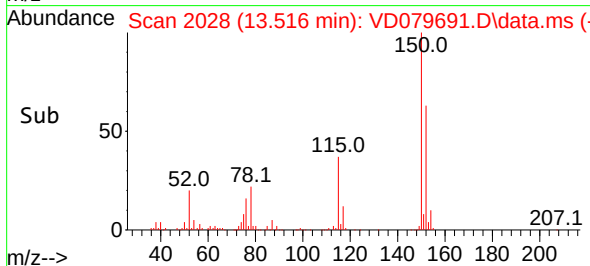


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD079691.D
 Acq: 09 Aug 2024 14:17

Instrument :
 MSVOA_D
 ClientSampleId :

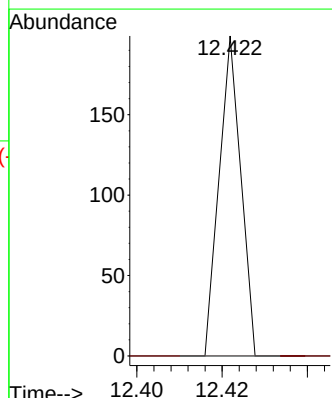
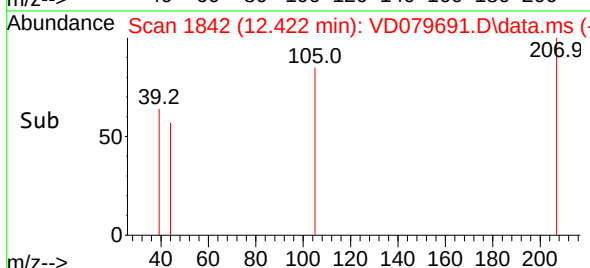
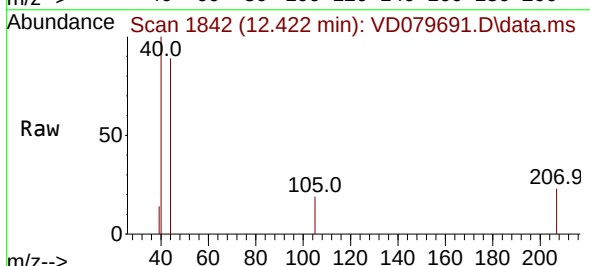


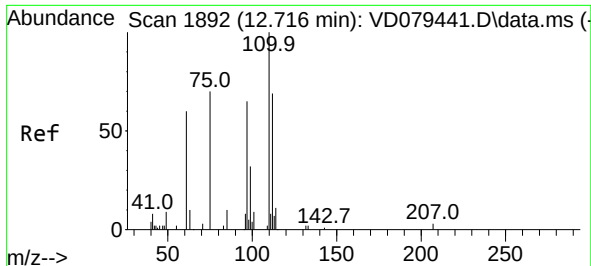
Tgt Ion:152 Resp: 144774
 Ion Ratio Lower Upper
 152 100
 115 58.1 26.5 79.5
 150 157.7 0.0 341.6



#73
 Isopropylbenzene
 Concen: 3.634 ug/l
 RT: 12.422 min Scan# 1842
 Delta R.T. 0.006 min
 Lab File: VD079691.D
 Acq: 09 Aug 2024 14:17

Tgt Ion:105 Resp: 70
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.6 40.7#

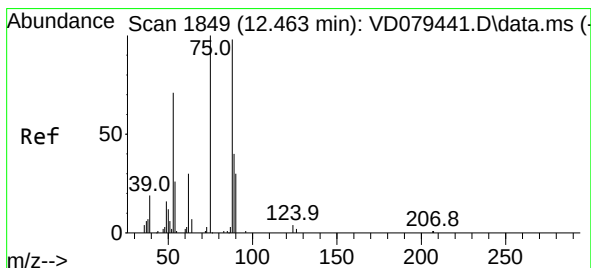
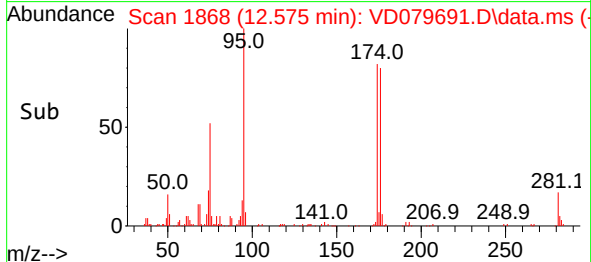
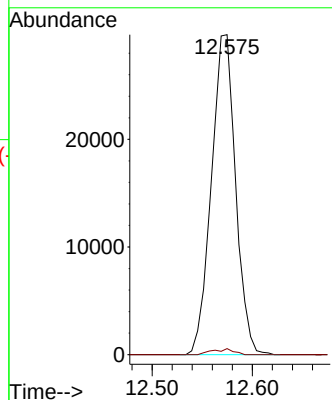
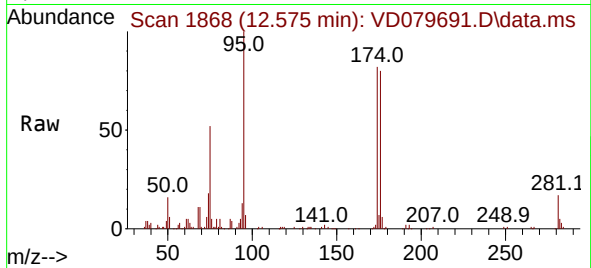




#76
1,2,3-Trichloropropane
Concen: 39.464 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

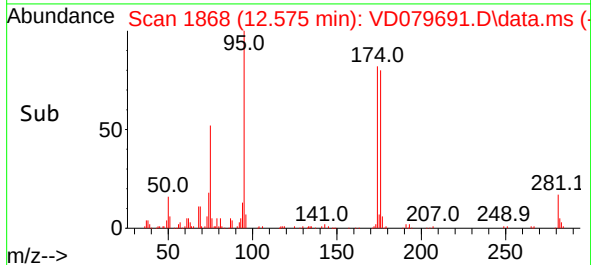
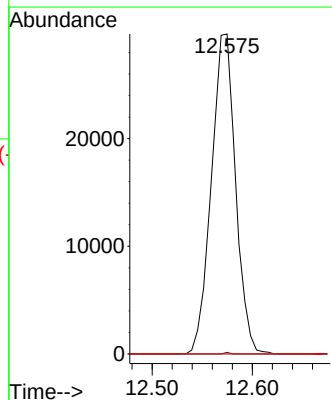
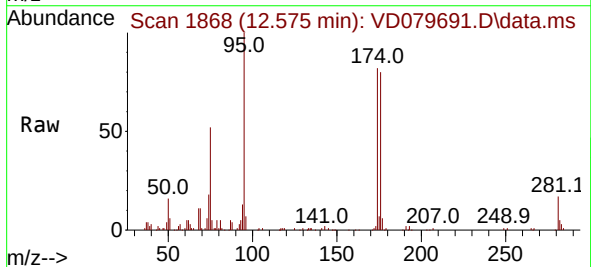
Instrument :
MSVOA_D
ClientSampleId :

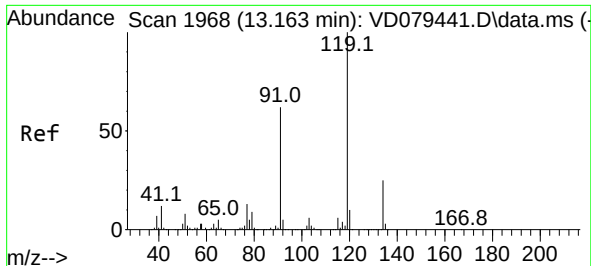
Tgt Ion: 75 Resp: 49940
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.268 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

Tgt Ion: 75 Resp: 49940
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

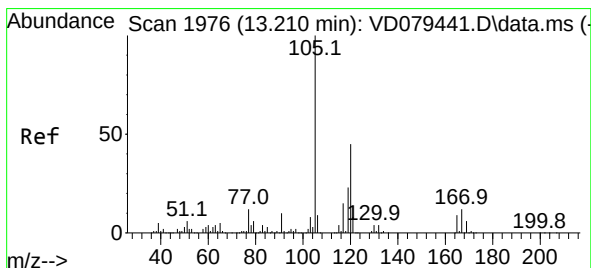
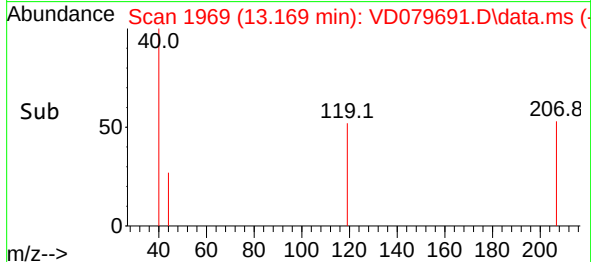
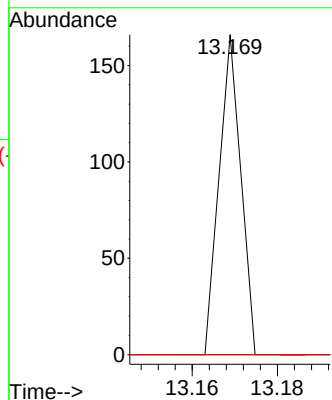
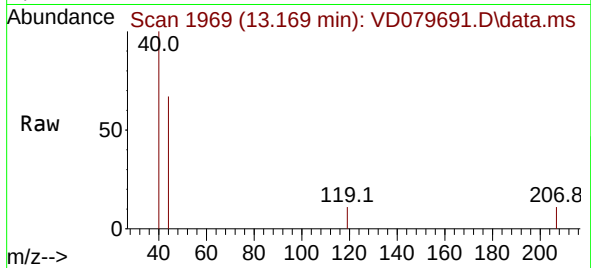




#83
tert-Butylbenzene
Concen: 3.635 ug/l
RT: 13.169 min Scan# 1968
Delta R.T. 0.006 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

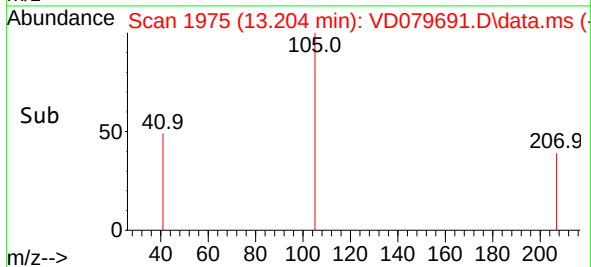
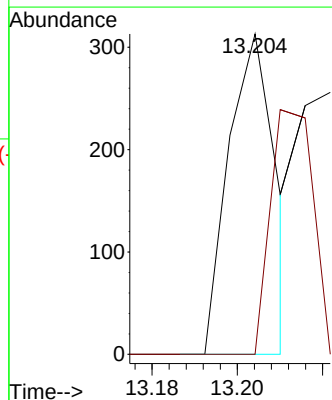
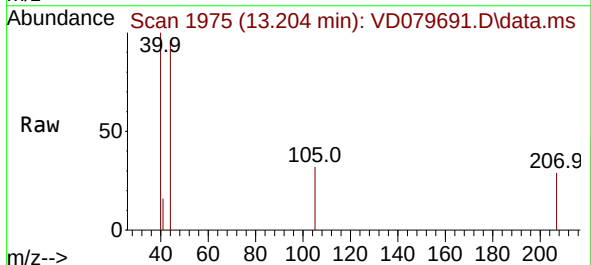
Instrument :
MSVOA_D
ClientSampleId :

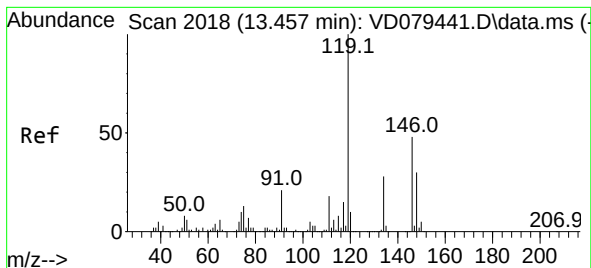
Tgt Ion:119 Resp: 59
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.453 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

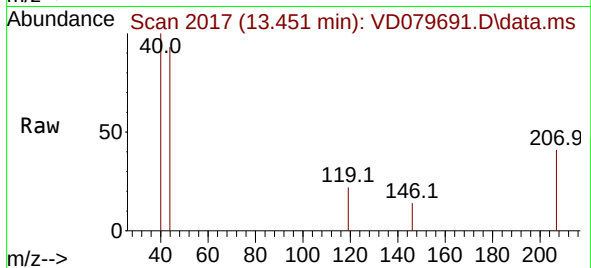
Tgt Ion:105 Resp: 241
Ion Ratio Lower Upper
105 100
120 68.9 23.6 71.0



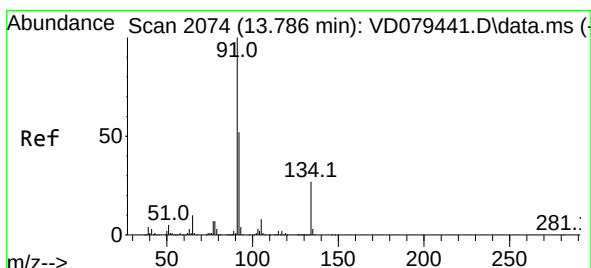
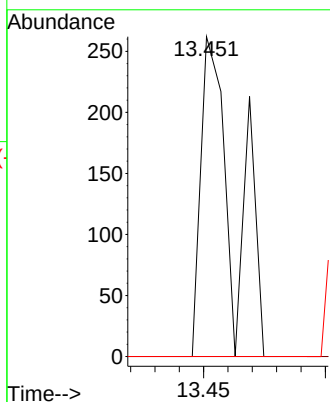
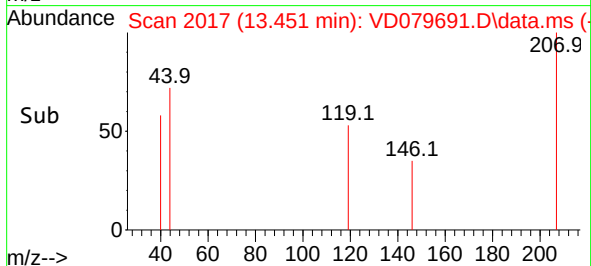


#86
p-Isopropyltoluene
Concen: 3.909 ug/l
RT: 13.451 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17

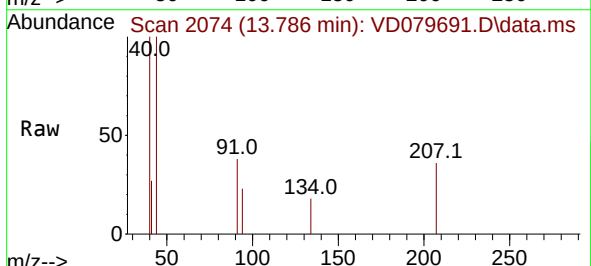
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 244
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.813 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD079691.D
Acq: 09 Aug 2024 14:17



Tgt Ion: 91 Resp: 312
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 37.5 13.6 40.8

