

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080824\
 Data File : VD079676.D
 Acq On : 08 Aug 2024 19:26
 Operator : RP/MD
 Sample : P3461-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 09 01:11:53 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)

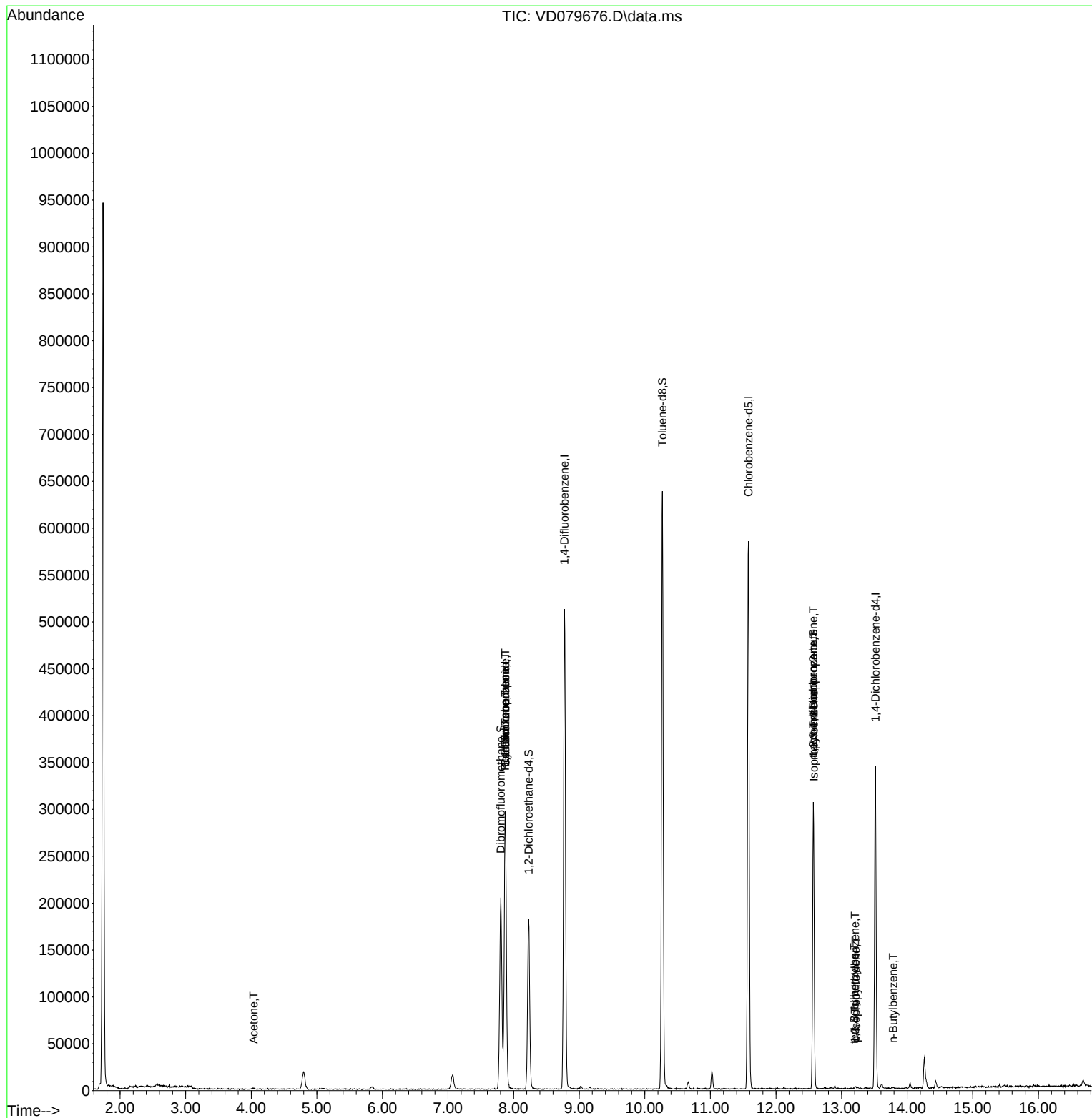
Internal Standards						
1) Pentafluorobenzene	7.869	168	227443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	464110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	353340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	95197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	136973	59.280	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.560%
35) Dibromofluoromethane	7.805	113	146561	46.656	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.320%
50) Toluene-d8	10.269	98	457505	37.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.000%
62) 4-Bromofluorobenzene	12.569	95	91254	25.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	51.700%
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	882	Below Cal	#	73
11) Tert butyl alcohol	5.040	59	450	Below Cal	#	86
16) Acetone	4.034	43	1971	4.389	ug/l #	80
20) Methylene Chloride	4.799	84	14613	Below Cal		91
31) Cyclohexane	7.875	56	5256	1.370	ug/l #	45
36) 1,1-Dichloropropene	7.875	75	19109	4.457	ug/l #	47
38) Carbon Tetrachloride	7.875	117	23108	5.127	ug/l #	18
73) Isopropylbenzene	12.575	105	75	3.637	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	47230	56.759	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	47230	108.255	ug/l #	19
83) tert-Butylbenzene	13.192	119	60	3.639	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	1873	3.721	ug/l	90
86) p-Isopropyltoluene	13.216	119	55	3.894	ug/l #	1
89) n-Butylbenzene	13.787	91	247	3.819	ug/l #	48

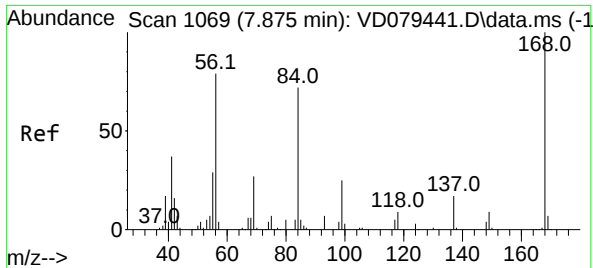
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 09 01:11:53 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

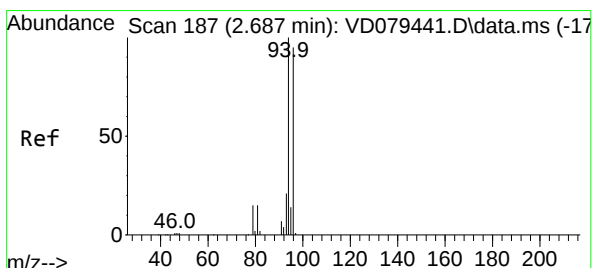
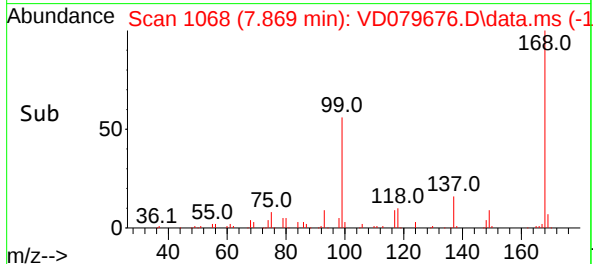
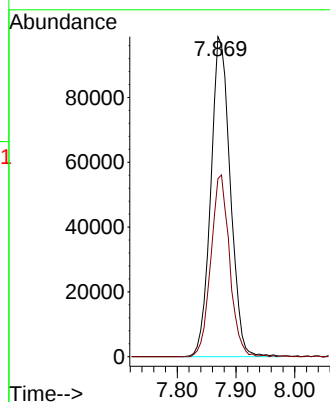
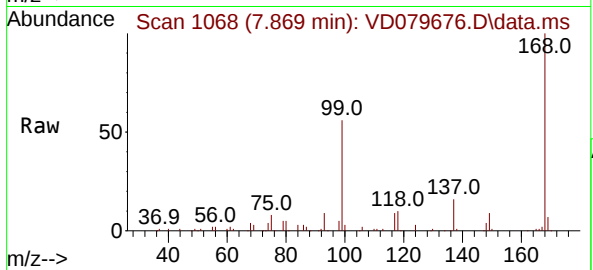




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

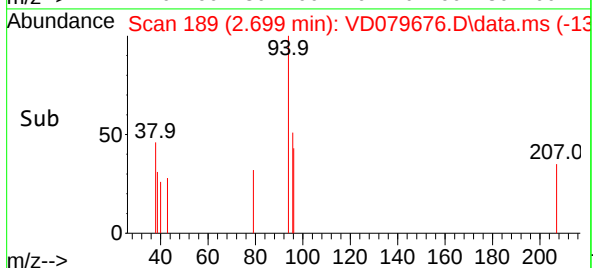
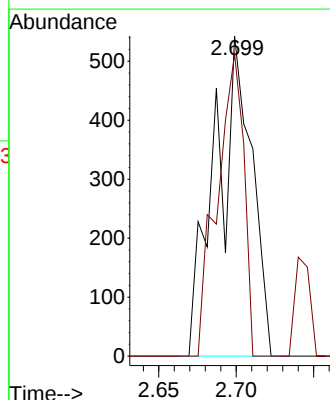
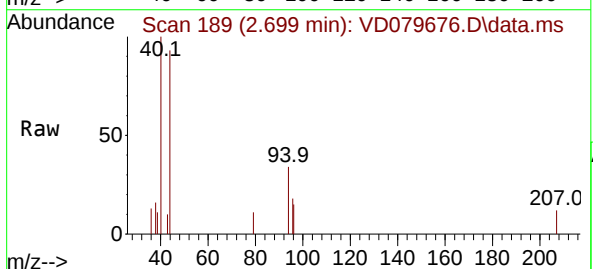
Instrument :
MSVOA_D
ClientSampleId :

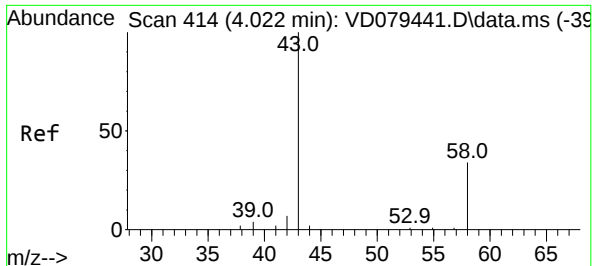
Tgt Ion:168 Resp: 227443
Ion Ratio Lower Upper
168 100
99 55.6 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Tgt Ion: 94 Resp: 882
Ion Ratio Lower Upper
94 100
96 69.5 76.9 115.3#

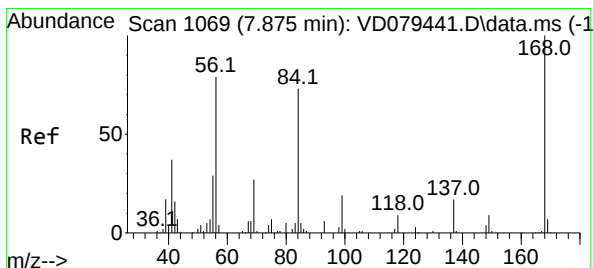
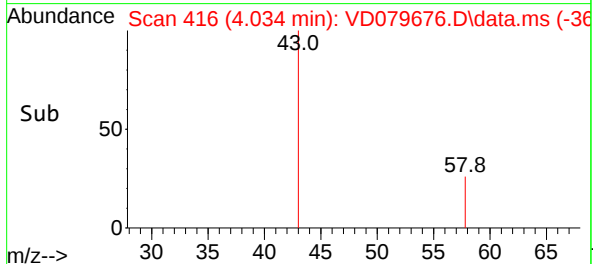
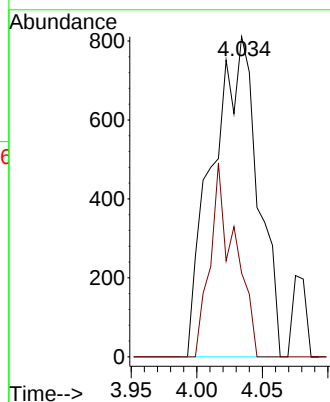
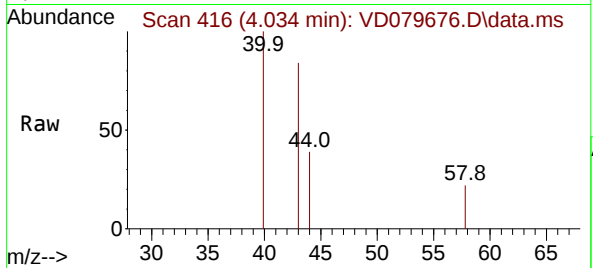




#16
Acetone
Concen: 4.389 ug/l
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

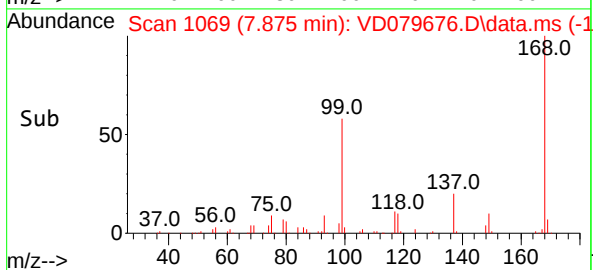
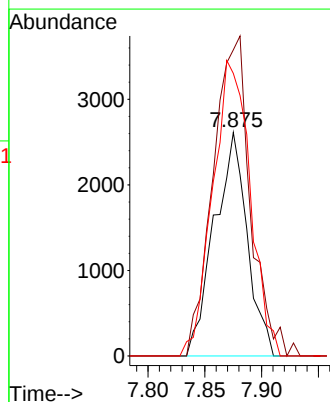
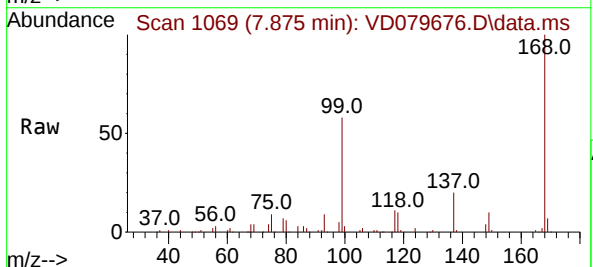
Instrument :
MSVOA_D
ClientSampleId :

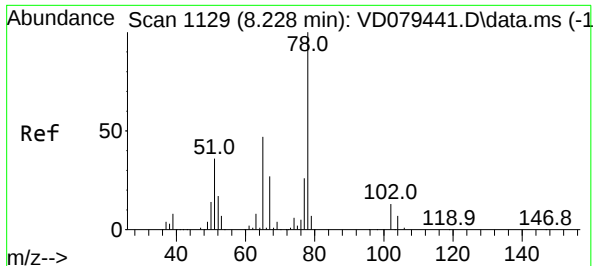
Tgt Ion: 43 Resp: 1971
Ion Ratio Lower Upper
43 100
58 26.1 30.4 45.6#



#31
Cyclohexane
Concen: 1.370 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Tgt Ion: 56 Resp: 5256
Ion Ratio Lower Upper
56 100
69 136.9 28.0 42.0#
84 126.4 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 59.280 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079676.D

Acq: 08 Aug 2024 19:26

Instrument :

MSVOA_D

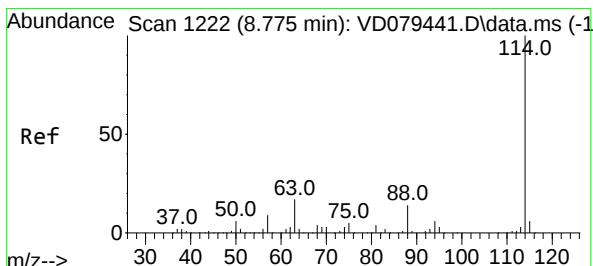
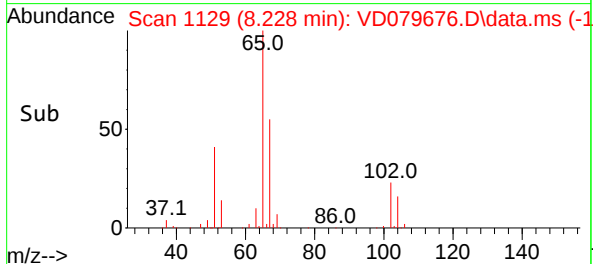
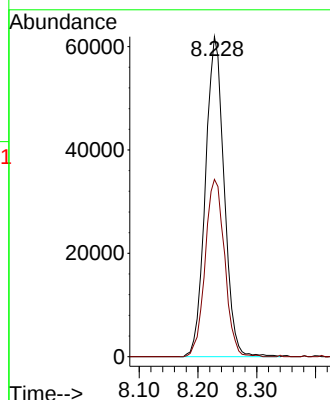
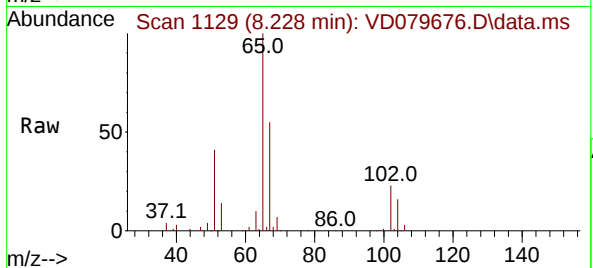
ClientSampleId :

Tgt Ion: 65 Resp: 136973

Ion Ratio Lower Upper

65 100

67 57.6 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: VD079676.D

Acq: 08 Aug 2024 19:26

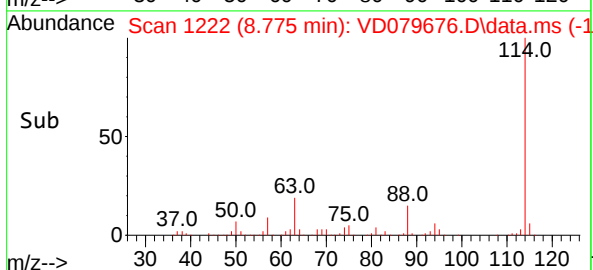
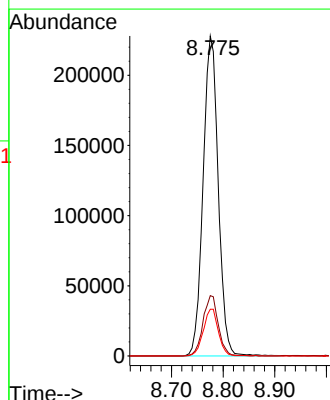
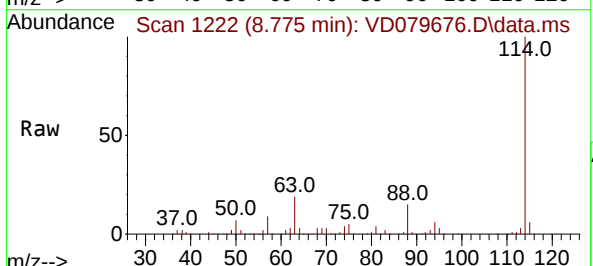
Tgt Ion: 114 Resp: 464110

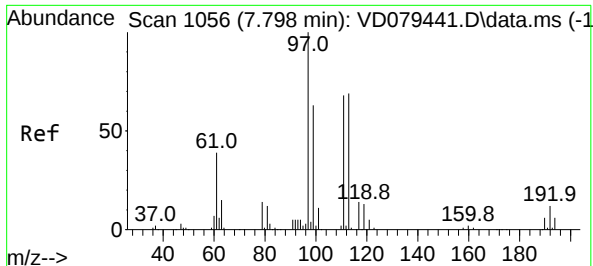
Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.0

88 14.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 46.656 ug/l

RT: 7.805 min Scan# 1056

Delta R.T. -0.000 min

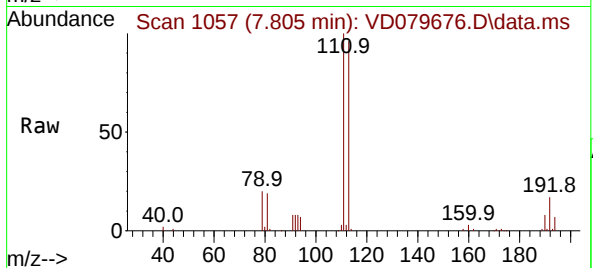
Lab File: VD079676.D

Acq: 08 Aug 2024 19:26

Instrument :

MSVOA_D

ClientSampleId :



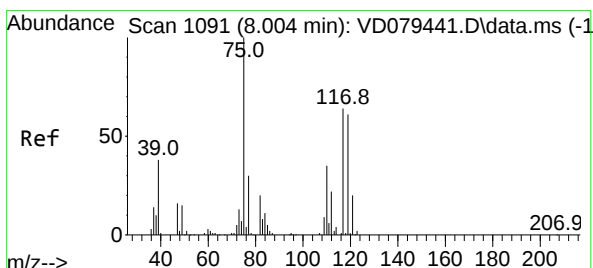
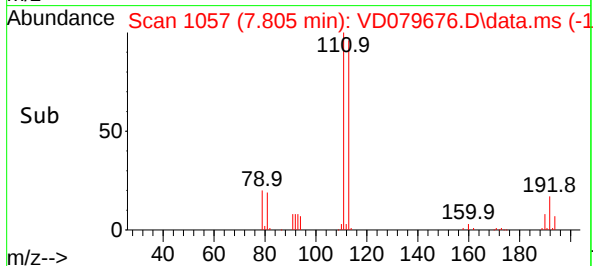
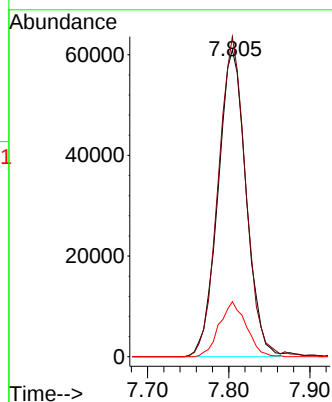
Tgt Ion:113 Resp: 146561

Ion Ratio Lower Upper

113 100

111 102.6 84.0 126.0

192 17.2 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.457 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079676.D

Acq: 08 Aug 2024 19:26

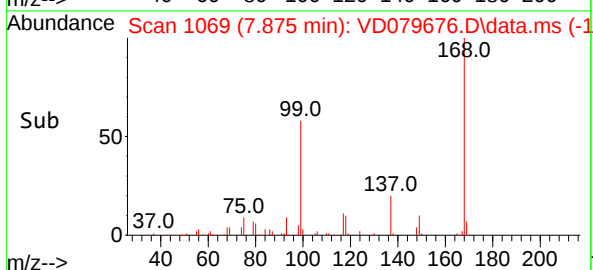
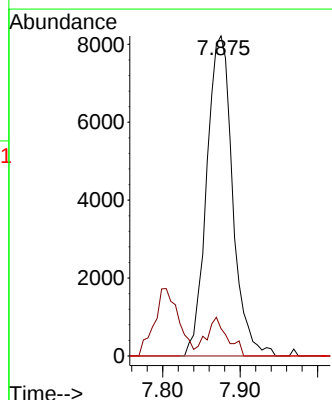
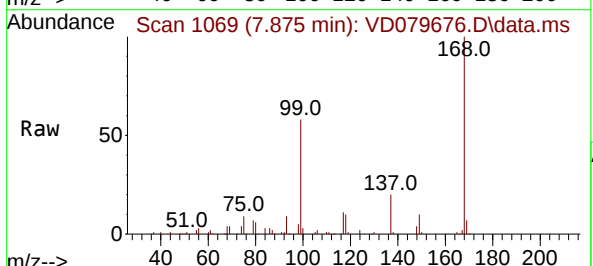
Tgt Ion: 75 Resp: 19109

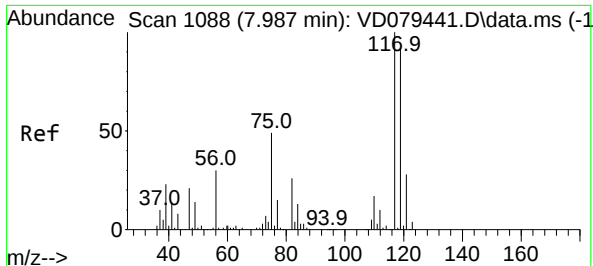
Ion Ratio Lower Upper

75 100

110 9.7 19.6 58.7#

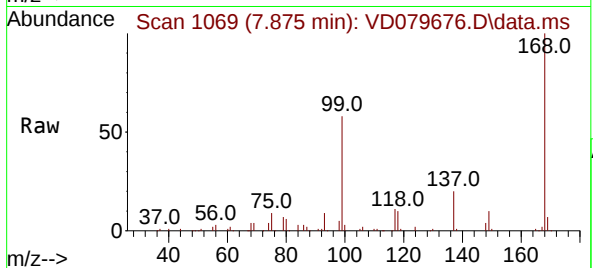
77 0.0 26.1 39.1#



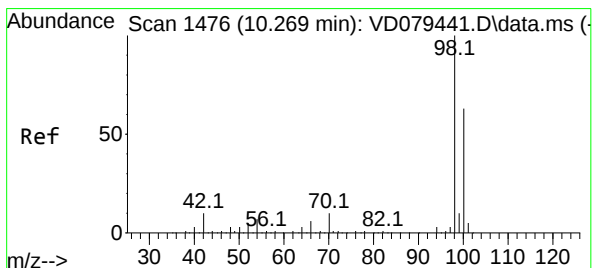
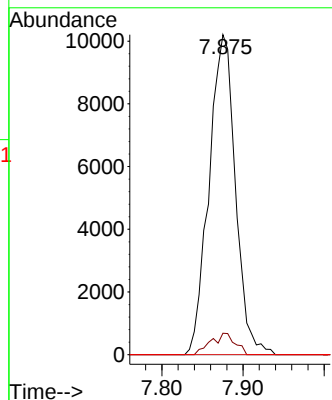
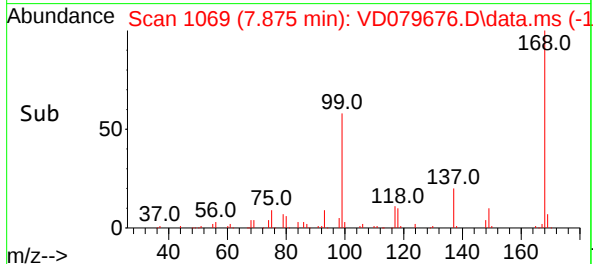


#38
Carbon Tetrachloride
Concen: 5.127 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Instrument :
MSVOA_D
ClientSampleId :

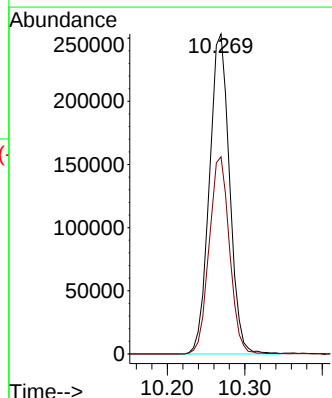
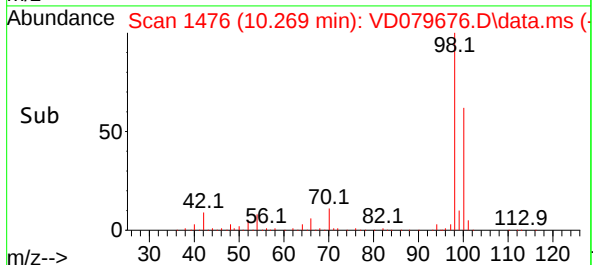
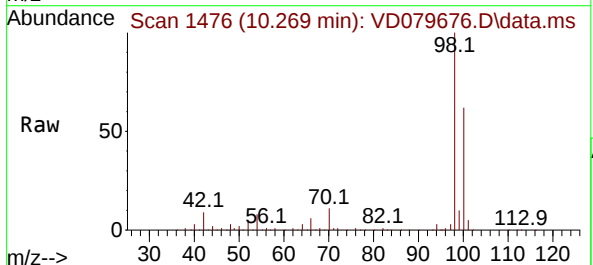


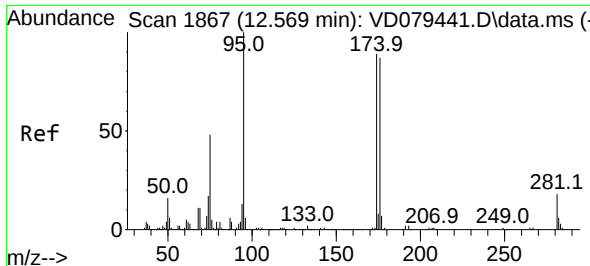
Tgt Ion:117 Resp: 23108
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 37.504 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Tgt Ion: 98 Resp: 457505
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4

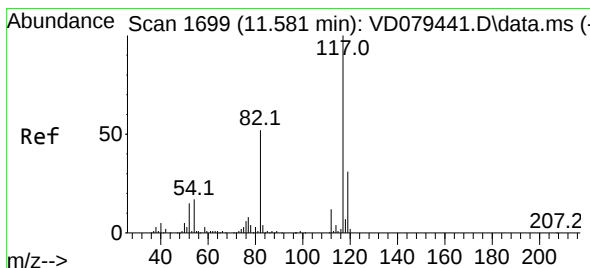
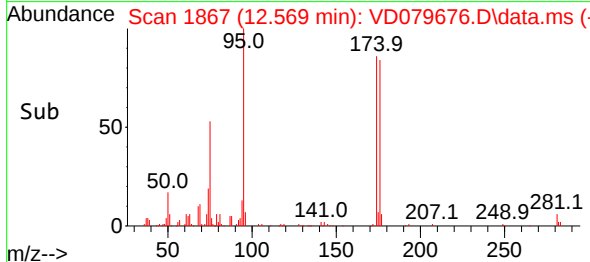
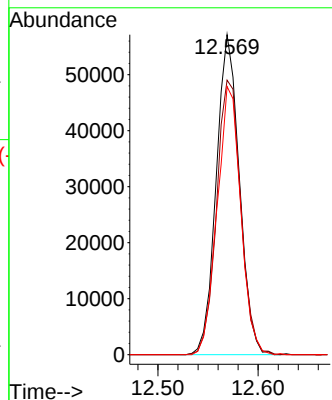
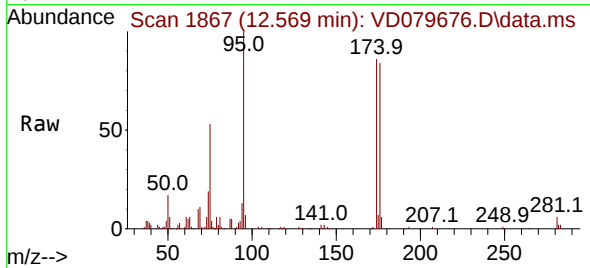




#62
4-Bromofluorobenzene
Concen: 25.850 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

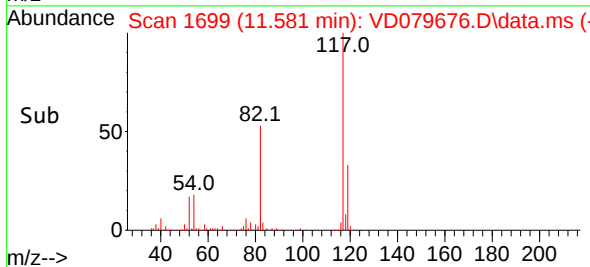
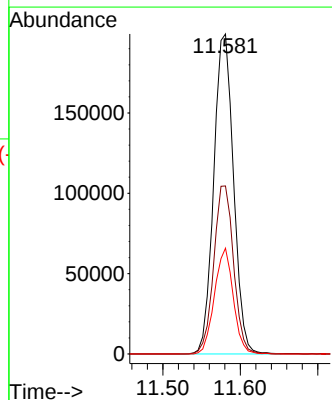
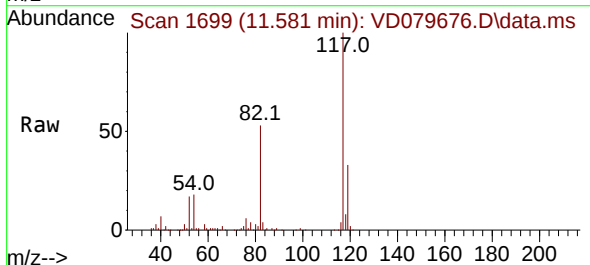
Instrument :
MSVOA_D
ClientSampleId :

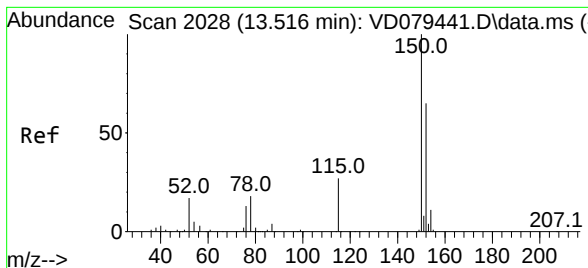
Tgt Ion:	95	Resp:	91254
Ion Ratio	Lower	Upper	
95	100		
174	89.8	0.0	195.4
176	85.7	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Tgt Ion:	117	Resp:	353340
Ion Ratio	Lower	Upper	
117	100		
82	52.5	39.8	59.6
119	33.0	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD079676.D

Acq: 08 Aug 2024 19:26

Instrument :

MSVOA_D

ClientSampleId :

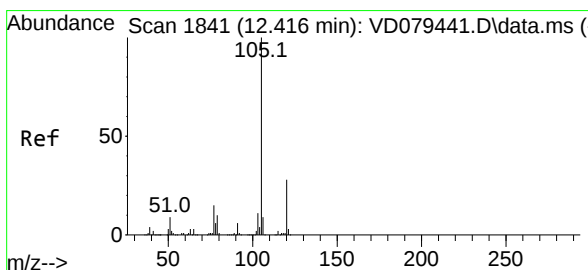
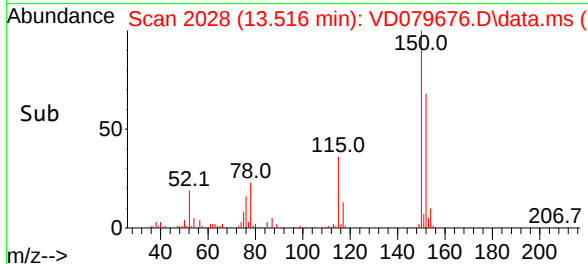
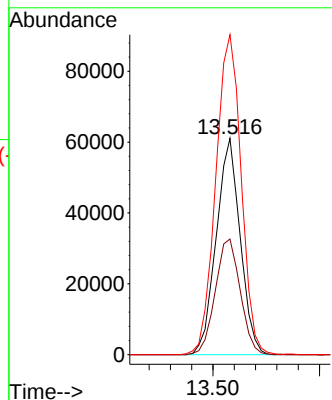
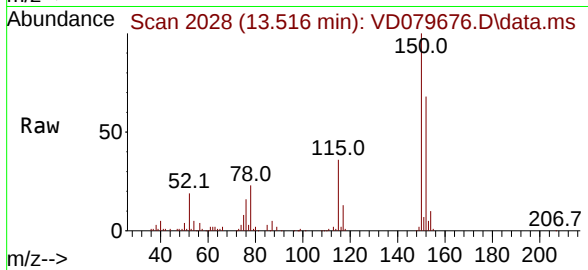
Tgt Ion:152 Resp: 95197

Ion Ratio Lower Upper

152 100

115 55.8 26.5 79.5

150 156.7 0.0 341.6



#73

Isopropylbenzene

Concen: 3.637 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.159 min

Lab File: VD079676.D

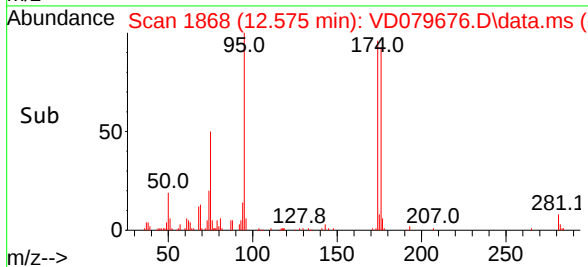
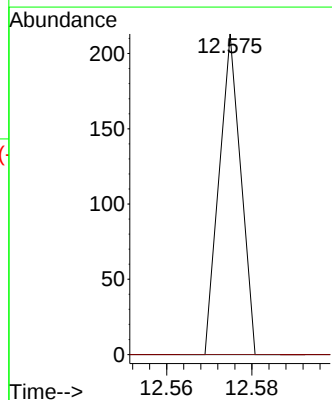
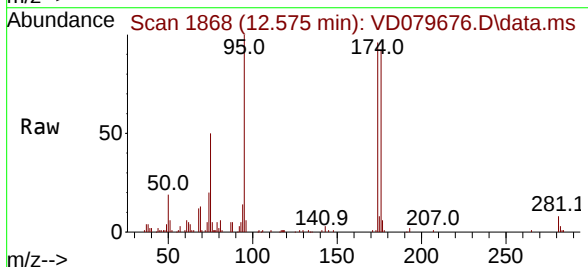
Acq: 08 Aug 2024 19:26

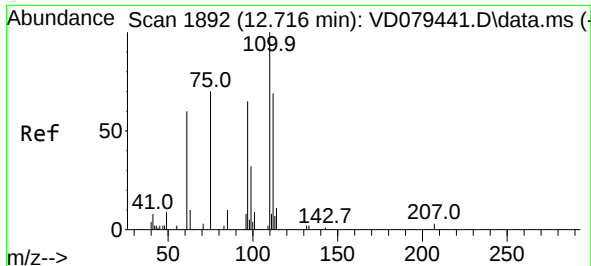
Tgt Ion:105 Resp: 75

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

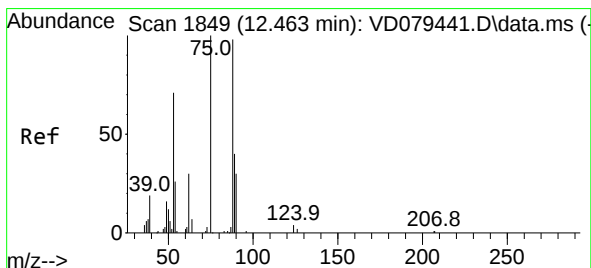
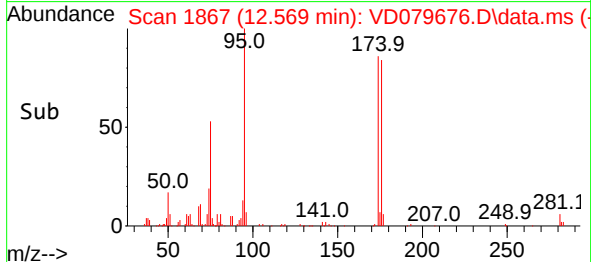
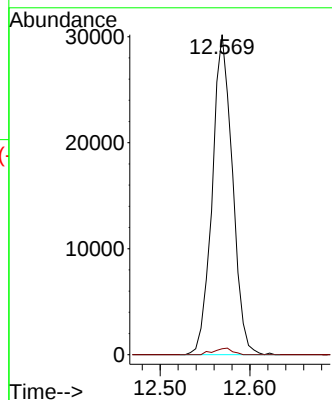
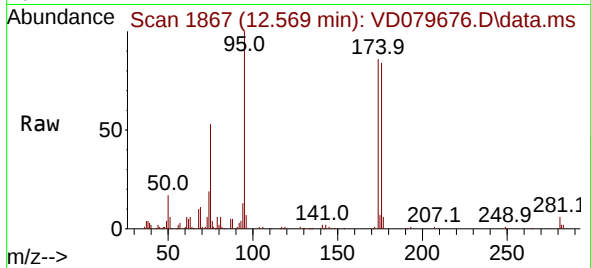




#76
1,2,3-Trichloropropane
Concen: 56.759 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

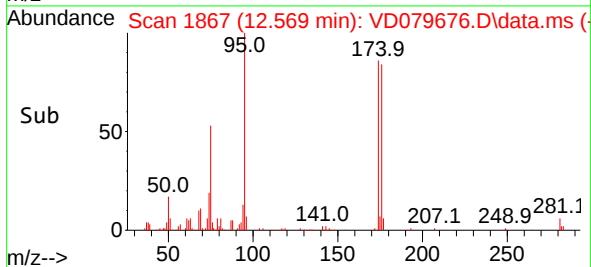
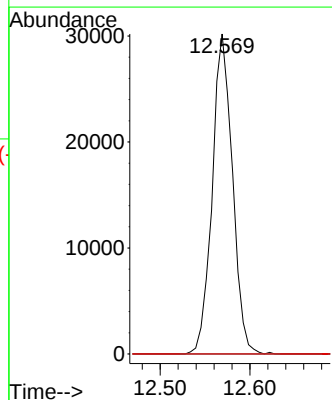
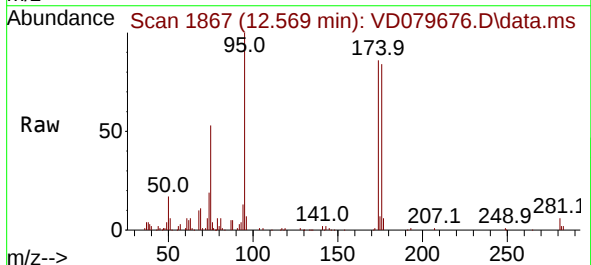
Instrument :
MSVOA_D
ClientSampleId :

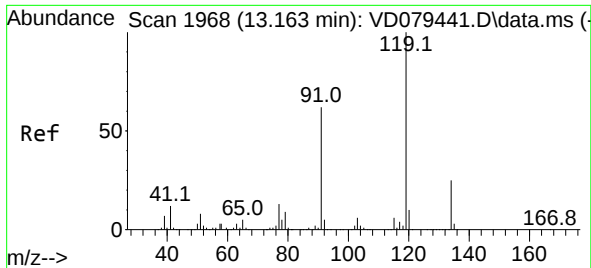
Tgt Ion: 75 Resp: 47230
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.255 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Tgt Ion: 75 Resp: 47230
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

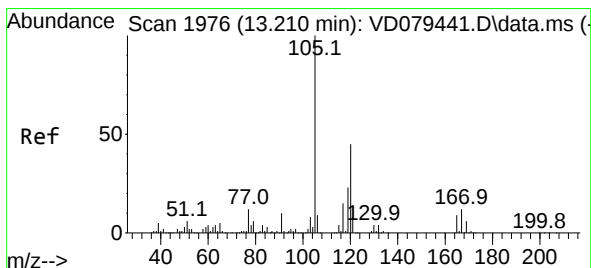
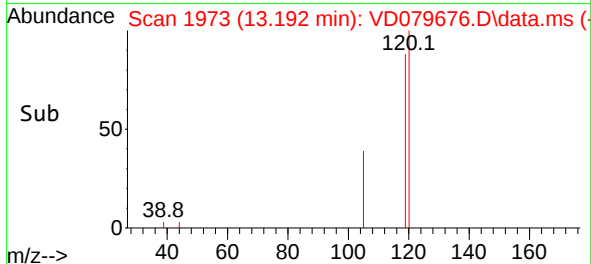
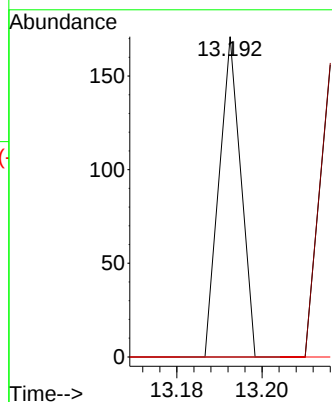
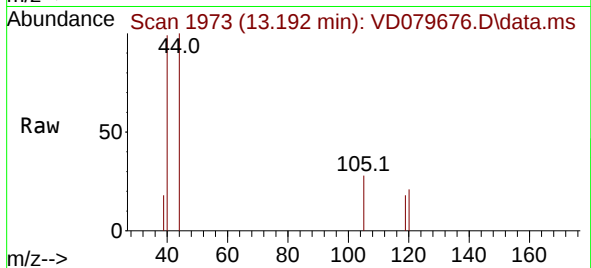




#83
tert-Butylbenzene
Concen: 3.639 ug/l
RT: 13.192 min Scan# 1973
Delta R.T. 0.029 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

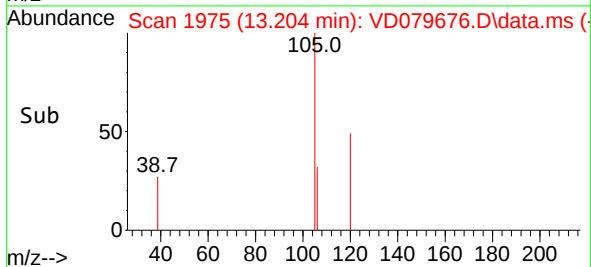
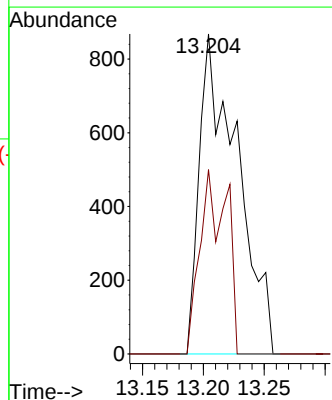
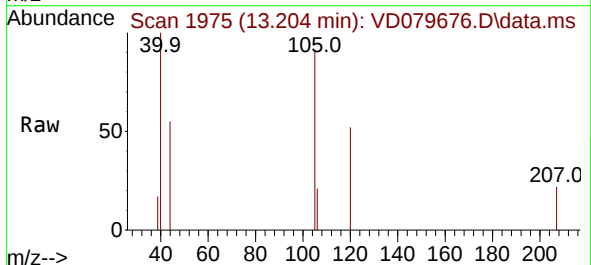
Instrument :
MSVOA_D
ClientSampleId :

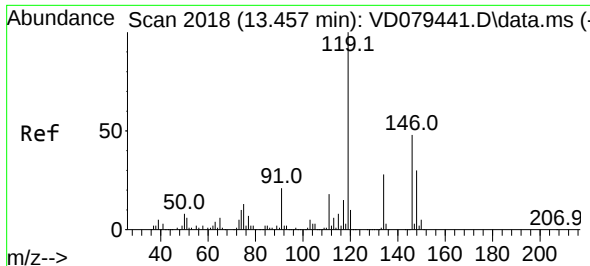
Tgt Ion:119 Resp: 60
Ion Ratio Lower Upper
119 100
91 0.0 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.721 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

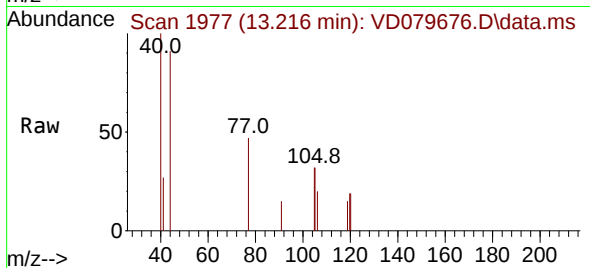
Tgt Ion:105 Resp: 1873
Ion Ratio Lower Upper
105 100
120 40.7 23.6 71.0



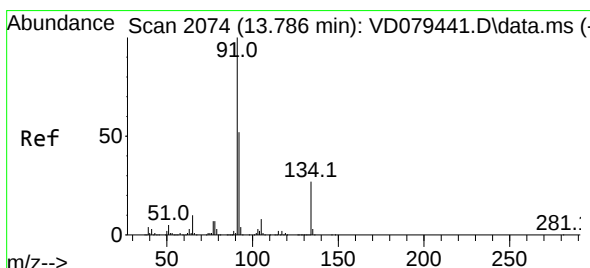
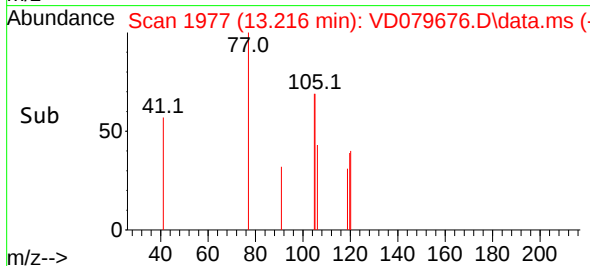
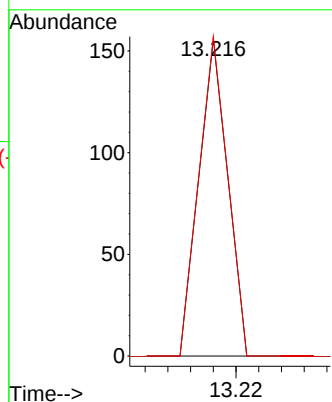


#86
p-Isopropyltoluene
Concen: 3.894 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.241 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 55
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 100.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.819 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD079676.D
Acq: 08 Aug 2024 19:26

Tgt Ion: 91 Resp: 247
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 21.9 13.6 40.8

