

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079558.D
 Acq On : 03 Aug 2024 00:24
 Operator : RP/MD
 Sample : VD0802SBL02
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBL02

Quant Time: Aug 03 01:52:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

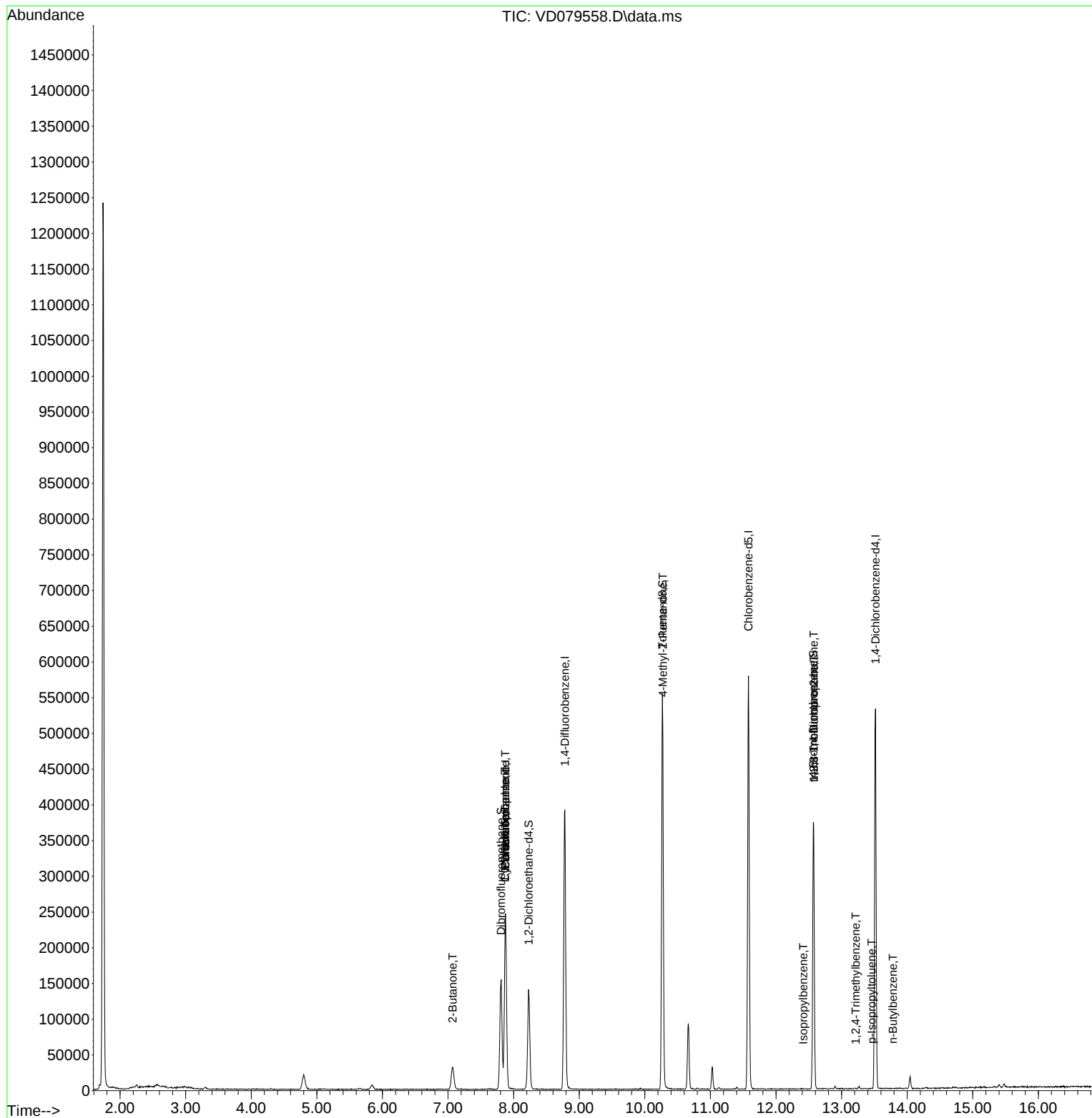
Internal Standards						
1) Pentafluorobenzene	7.875	168	192088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	363129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	336692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	149965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	106158	54.400	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.800%	
35) Dibromofluoromethane	7.811	113	112952	45.956	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.920%	
50) Toluene-d8	10.269	98	392428	41.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 82.240%	
62) 4-Bromofluorobenzene	12.569	95	108007	39.104	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.200%	
Target Compounds						Qvalue
5) Bromomethane	2.705	94	736	Below Cal	#	65
11) Tert butyl alcohol	5.058	59	379	Below Cal	#	86
20) Methylene Chloride	4.805	84	15707	Below Cal		94
25) 2-Butanone	7.069	43	1603	2.981	ug/l #	42
31) Cyclohexane	7.869	56	4383	1.352	ug/l #	59
36) 1,1-Dichloropropene	7.869	75	15092	4.499	ug/l #	47
38) Carbon Tetrachloride	7.875	117	18115	5.137	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	1825	1.383	ug/l #	1
73) Isopropylbenzene	12.416	105	59	3.633	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	53187	40.575	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	53187	77.387	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.216	105	705	3.498	ug/l #	64
86) p-Isopropyltoluene	13.457	119	121	3.897	ug/l #	51
89) n-Butylbenzene	13.781	91	173	3.799	ug/l #	34

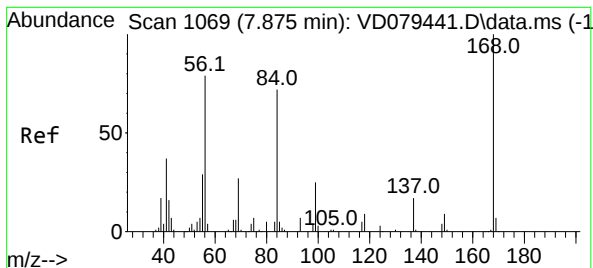
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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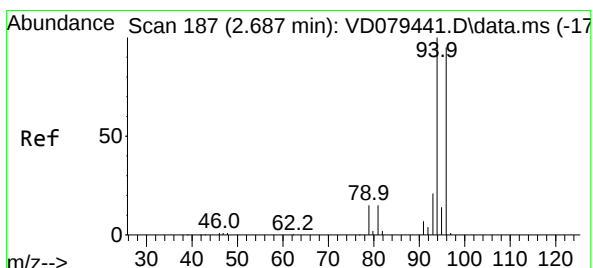
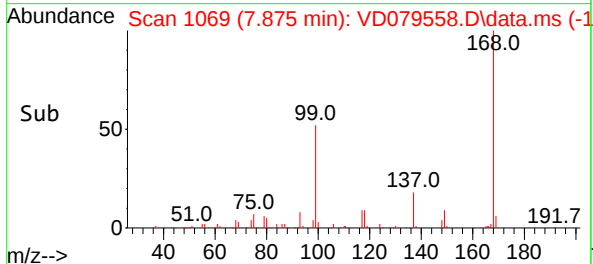
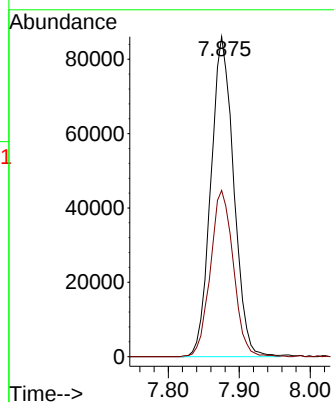
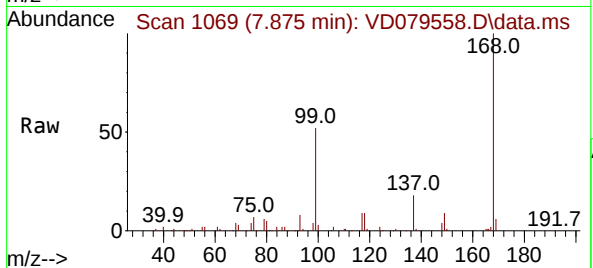




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

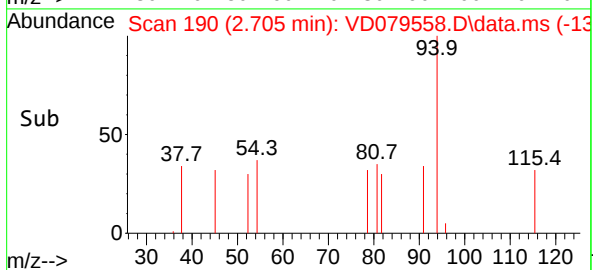
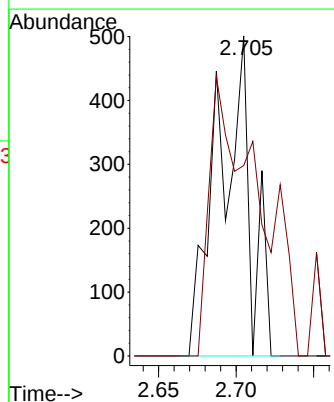
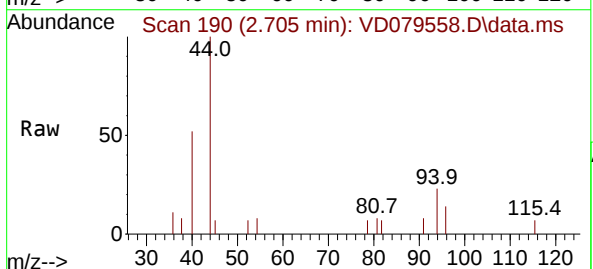
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBL02

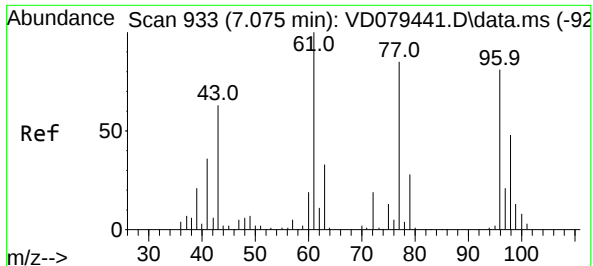
Tgt Ion:168 Resp: 192088
Ion Ratio Lower Upper
168 100
99 52.0 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

Tgt Ion: 94 Resp: 736
Ion Ratio Lower Upper
94 100
96 130.4 76.9 115.3#

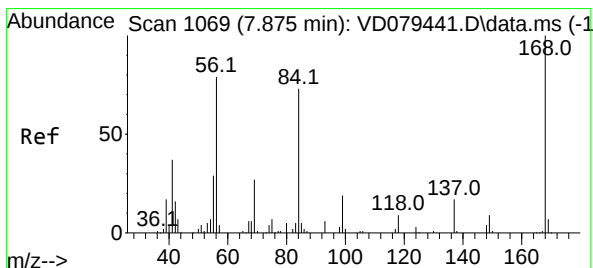
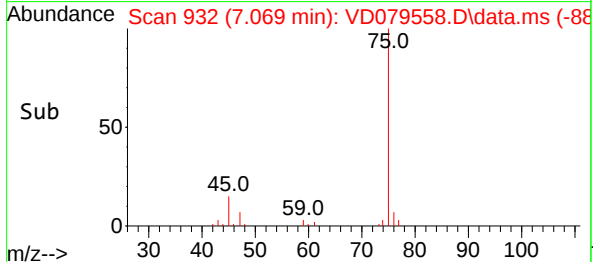
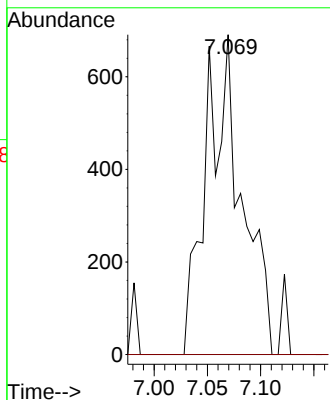
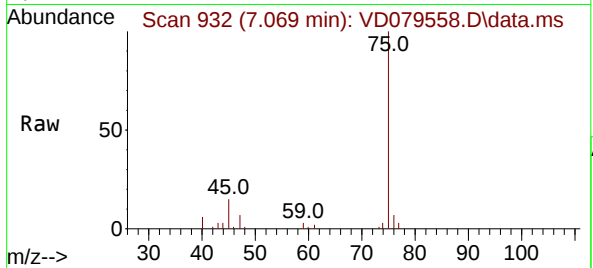




#25
2-Butanone
Concen: 2.981 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.023 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

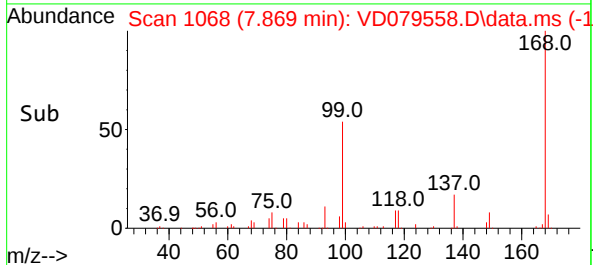
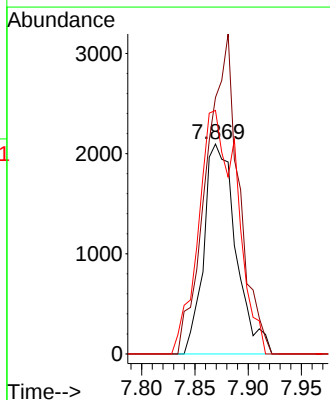
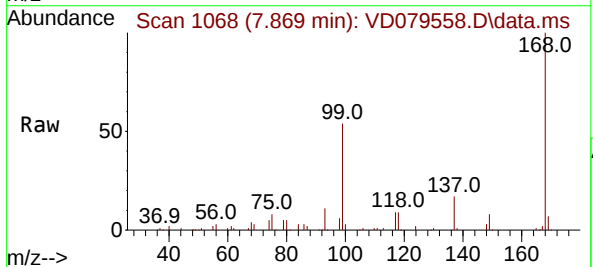
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBL02

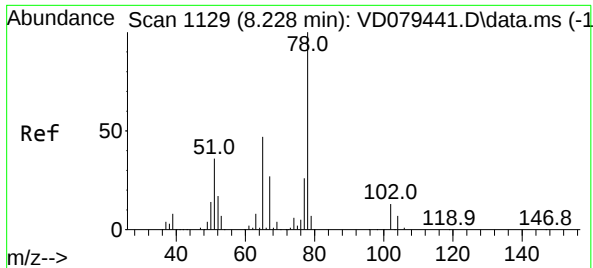
Tgt Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

Tgt Ion: 56 Resp: 4383
Ion Ratio Lower Upper
56 100
69 122.2 28.0 42.0#
84 116.0 87.4 131.0

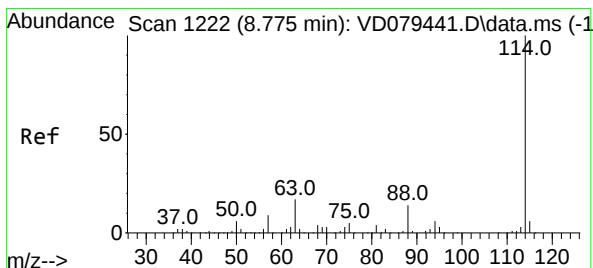
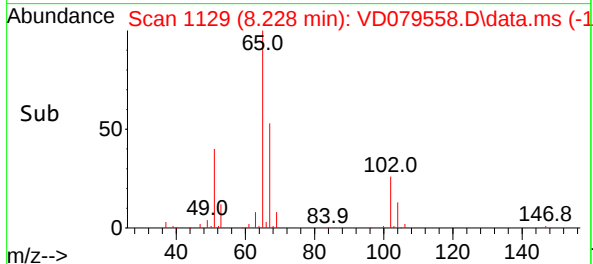
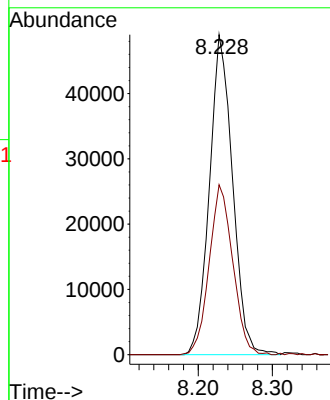
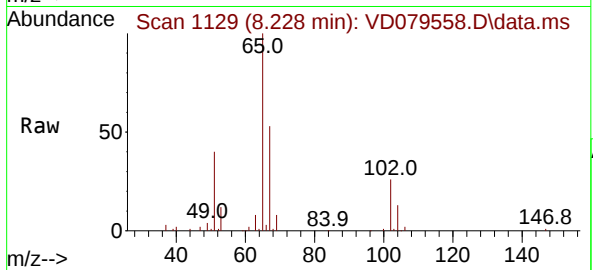




#33
 1,2-Dichloroethane-d4
 Concen: 54.400 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD079558.D
 Acq: 03 Aug 2024 00:24

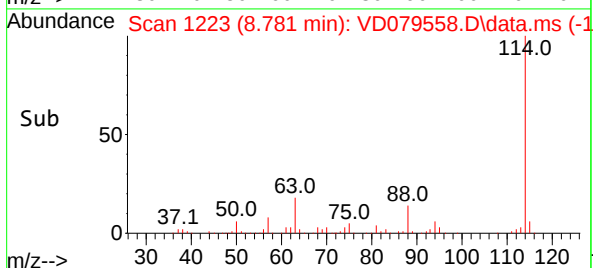
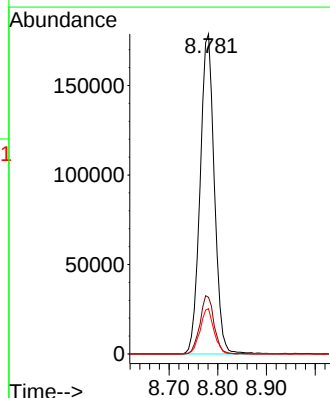
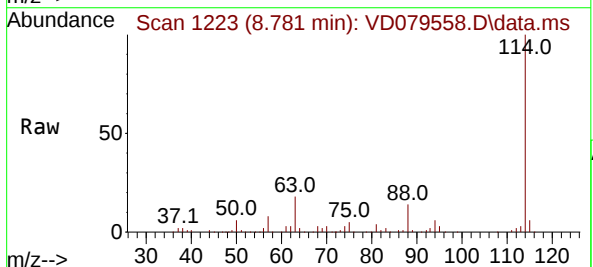
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0802SBL02

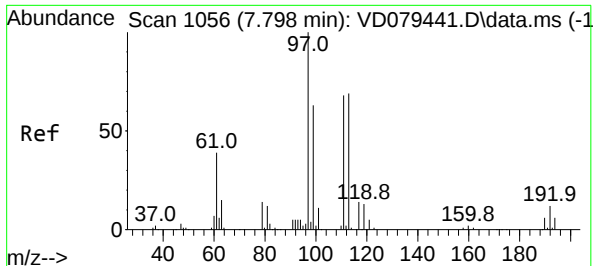
Tgt Ion: 65 Resp: 106158
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD079558.D
 Acq: 03 Aug 2024 00:24

Tgt Ion: 114 Resp: 363129
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 14.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 45.956 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD079558.D

Acq: 03 Aug 2024 00:24

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBL02

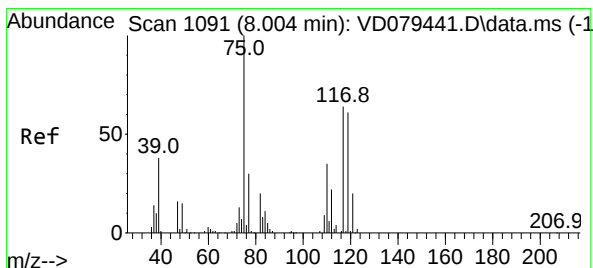
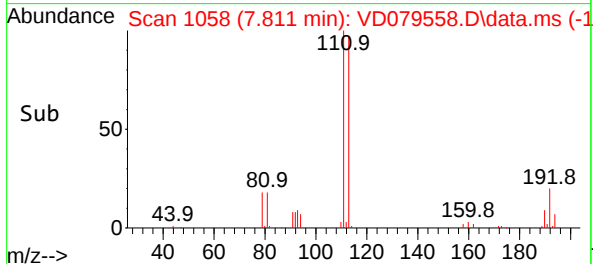
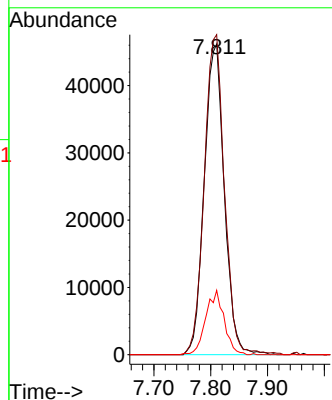
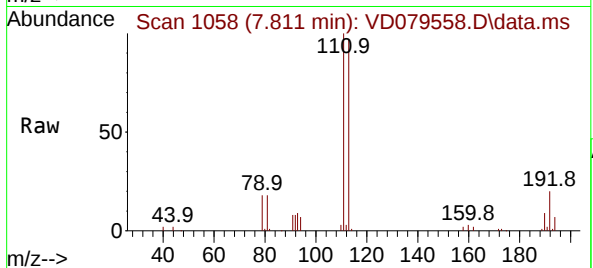
Tgt Ion:113 Resp: 112952

Ion Ratio Lower Upper

113 100

111 103.8 84.0 126.0

192 19.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.499 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079558.D

Acq: 03 Aug 2024 00:24

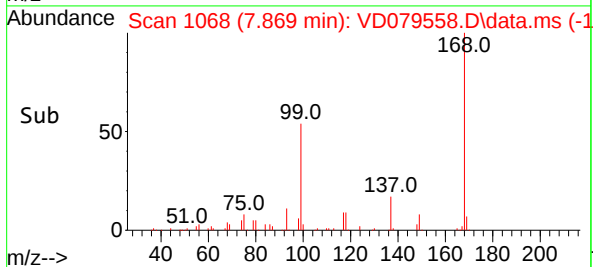
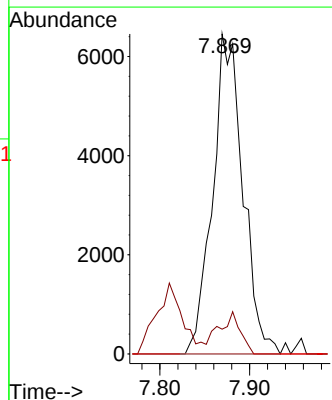
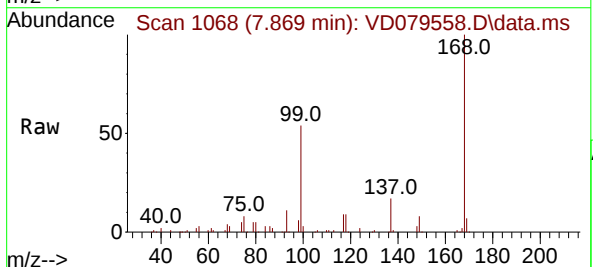
Tgt Ion: 75 Resp: 15092

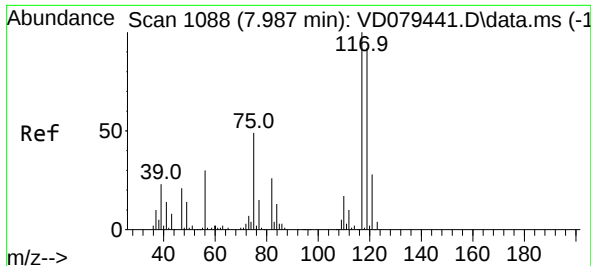
Ion Ratio Lower Upper

75 100

110 9.3 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 5.137 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD079558.D

Acq: 03 Aug 2024 00:24

Instrument :

MSVOA_D

ClientSampleId :

VD0802SBL02

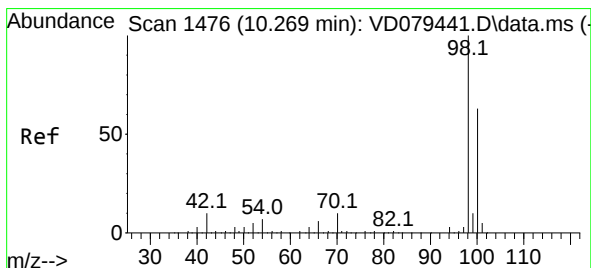
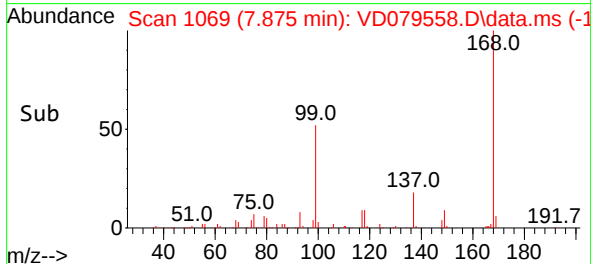
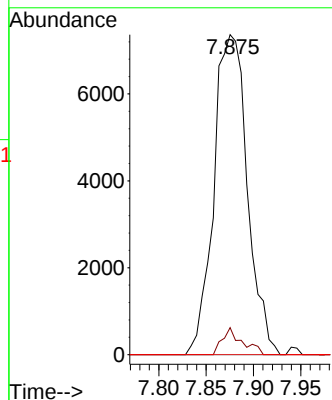
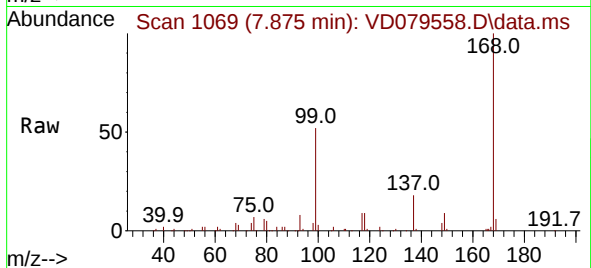
Tgt Ion:117 Resp: 18115

Ion Ratio Lower Upper

117 100

119 8.4 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 41.115 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079558.D

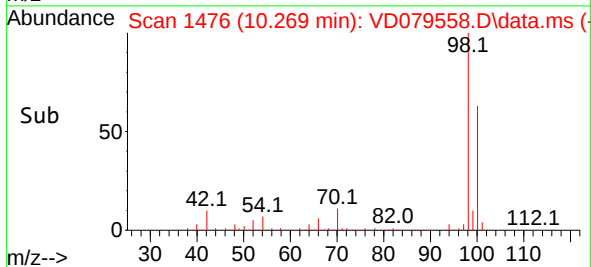
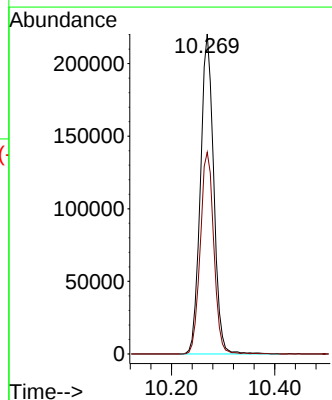
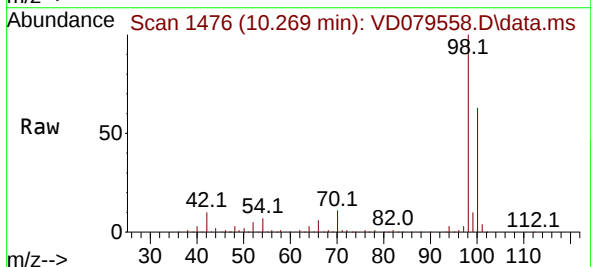
Acq: 03 Aug 2024 00:24

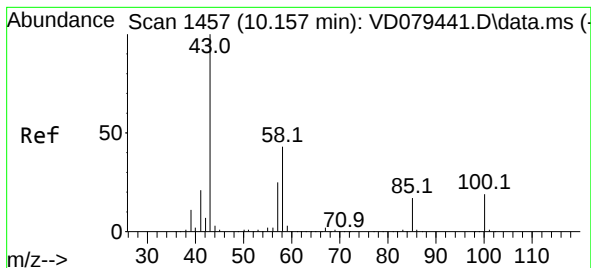
Tgt Ion: 98 Resp: 392428

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4

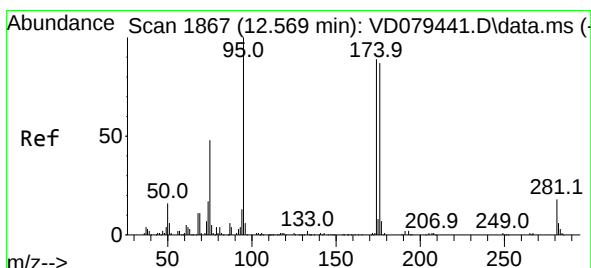
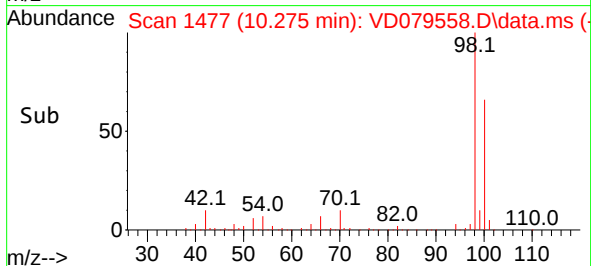
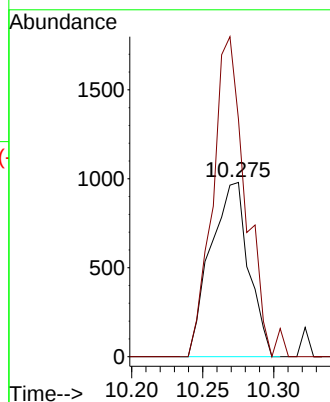
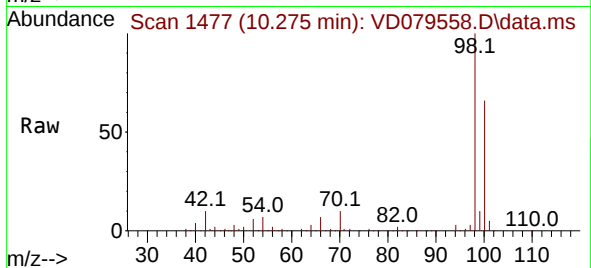




#51
4-Methyl-2-Pentanone
Concen: 1.383 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

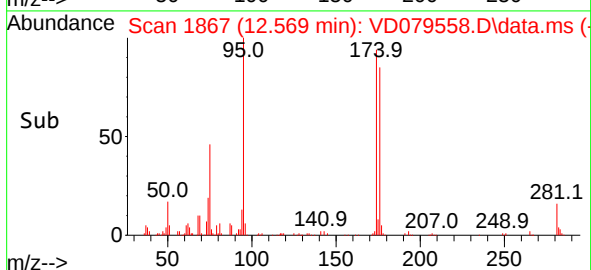
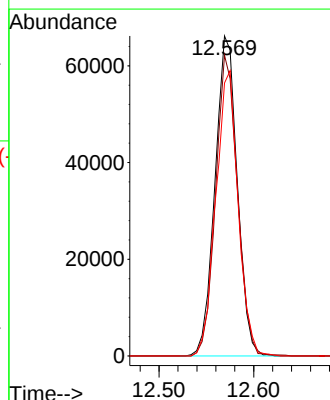
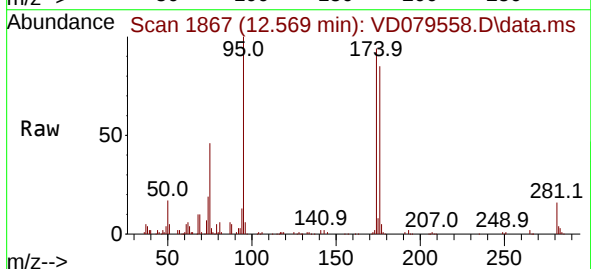
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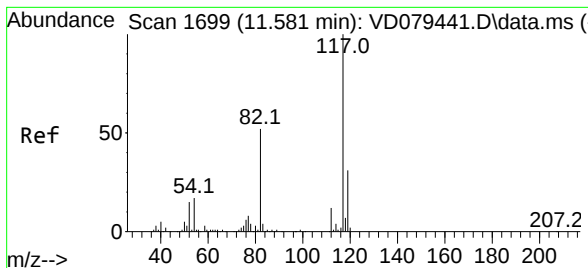
Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
58 160.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 39.104 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

Tgt Ion: 95 Resp: 108007
Ion Ratio Lower Upper
95 100
174 92.4 0.0 195.4
176 89.7 0.0 192.6

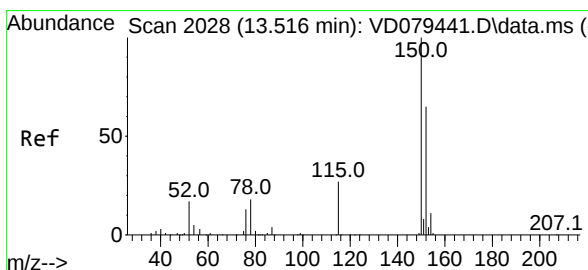
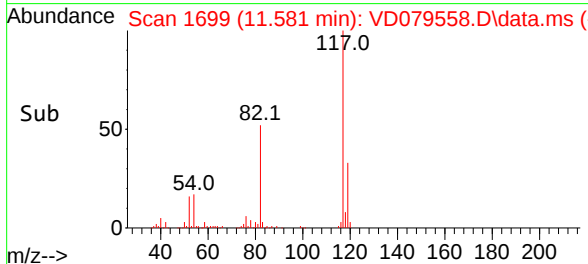
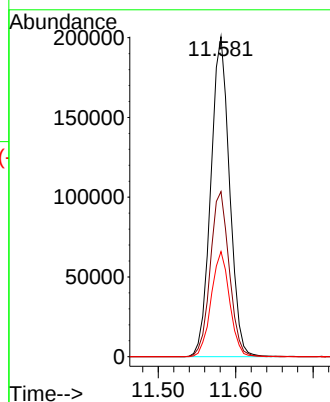
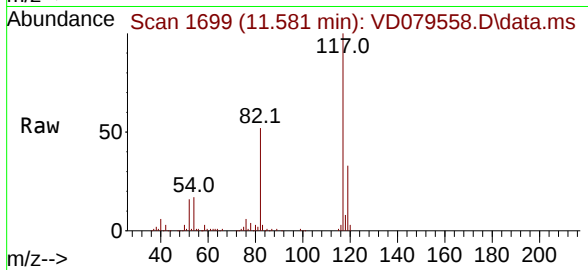




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

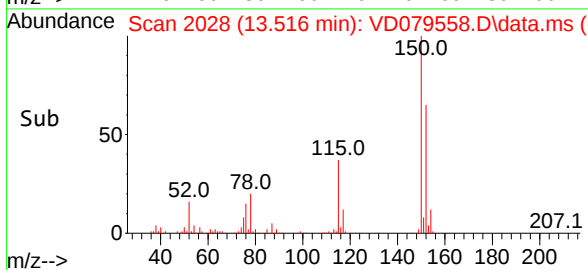
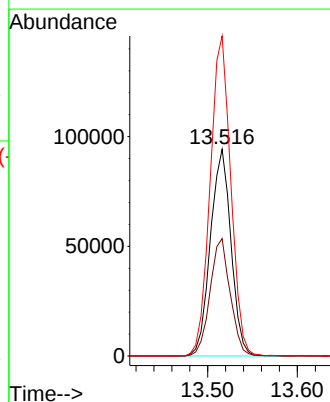
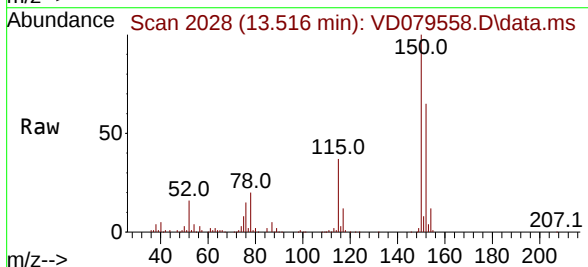
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBL02

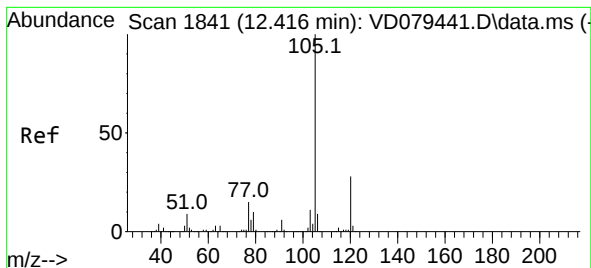
Tgt Ion:117 Resp: 336692
Ion Ratio Lower Upper
117 100
82 51.6 39.8 59.6
119 32.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

Tgt Ion:152 Resp: 149965
Ion Ratio Lower Upper
152 100
115 55.7 26.5 79.5
150 155.3 0.0 341.6





#73

Isopropylbenzene

Concen: 3.633 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VD079558.D

Acq: 03 Aug 2024 00:24

Instrument :

MSVOA_D

ClientSampleId :

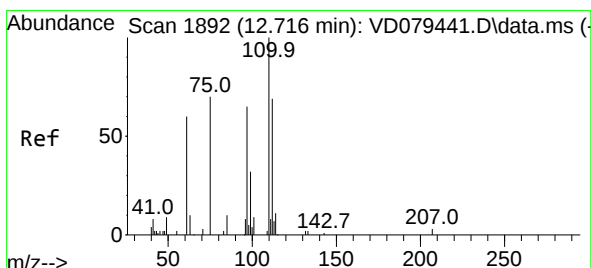
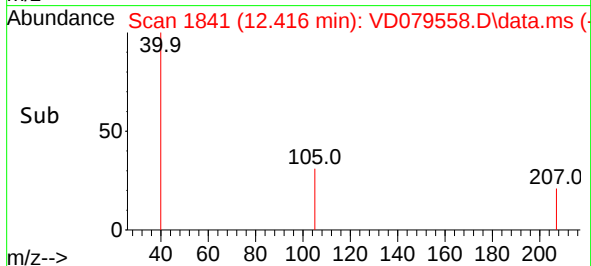
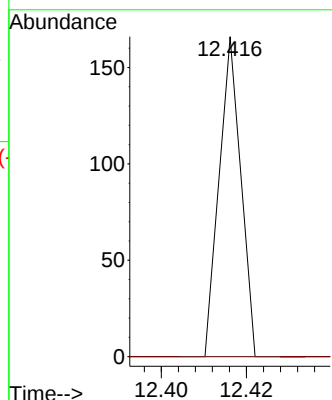
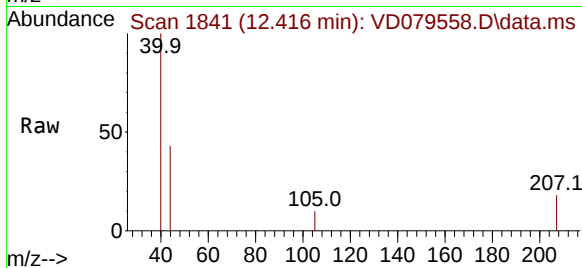
VD0802SBL02

Tgt Ion:105 Resp: 59

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 40.575 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD079558.D

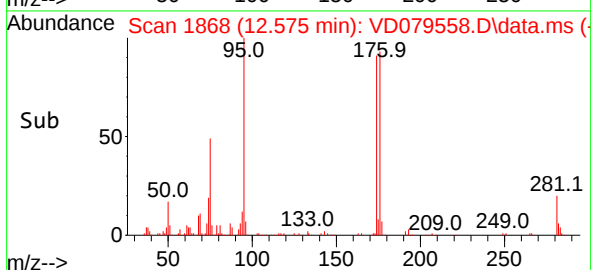
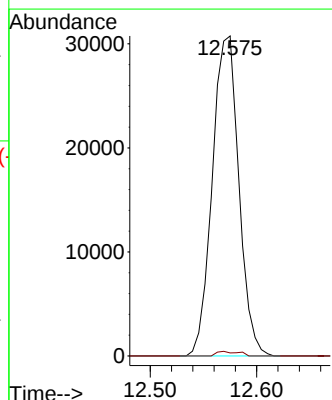
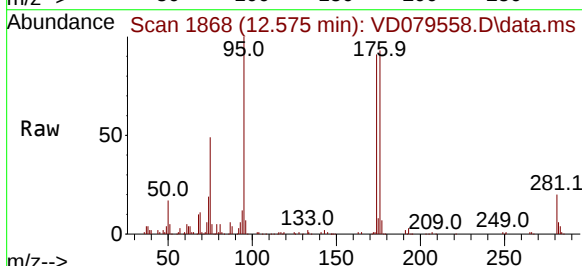
Acq: 03 Aug 2024 00:24

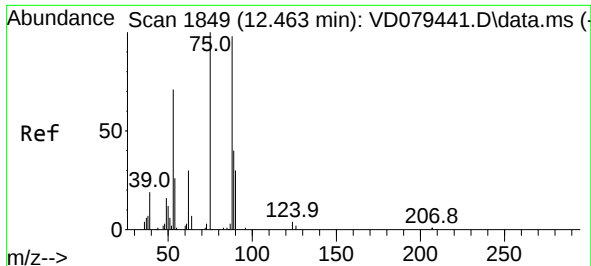
Tgt Ion: 75 Resp: 53187

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

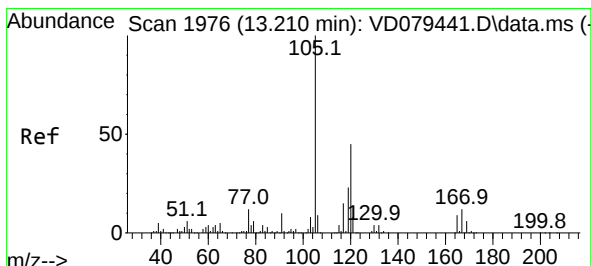
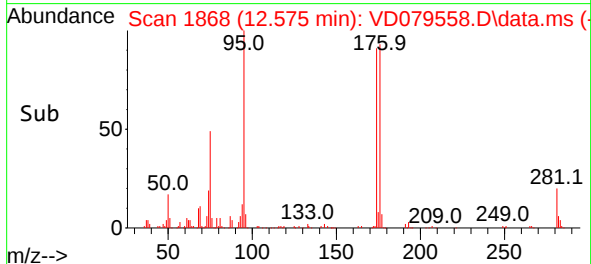
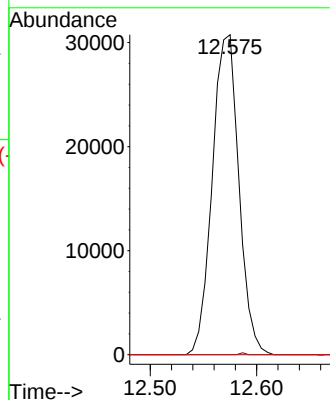
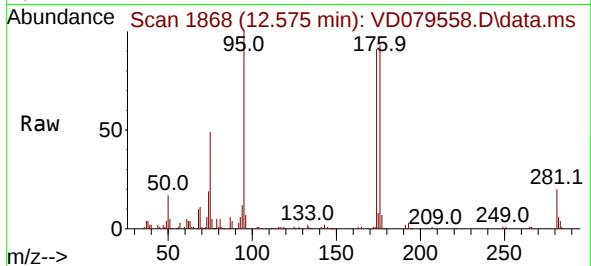




#81
trans-1,4-Dichloro-2-butene
Concen: 77.387 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

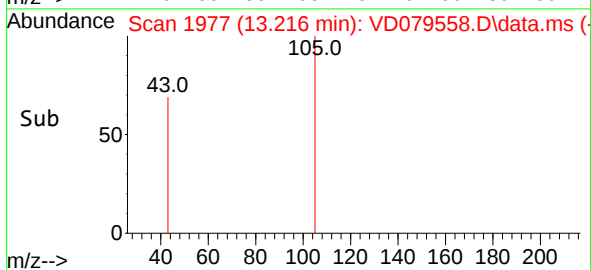
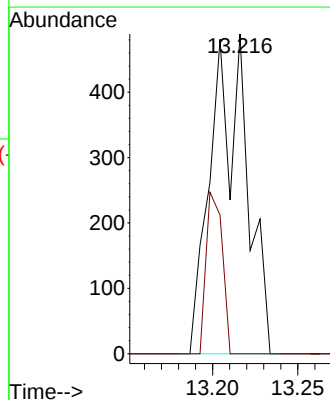
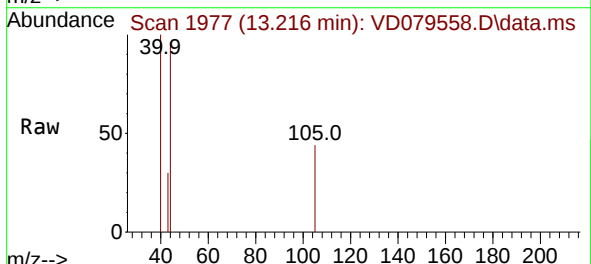
Instrument :
MSVOA_D
ClientSampleId :
VD0802SBL02

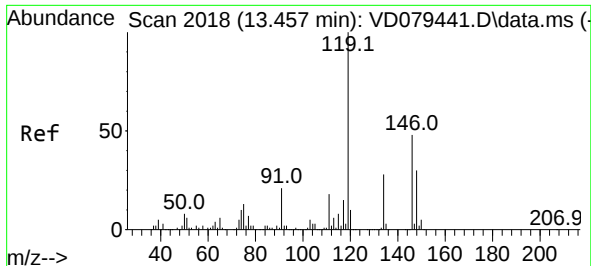
Tgt Ion: 75 Resp: 53187
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.498 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.012 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

Tgt Ion: 105 Resp: 705
Ion Ratio Lower Upper
105 100
120 23.0 23.6 71.0#

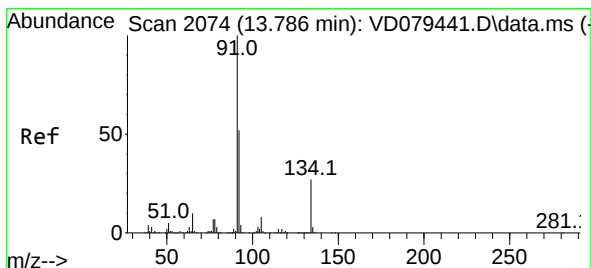
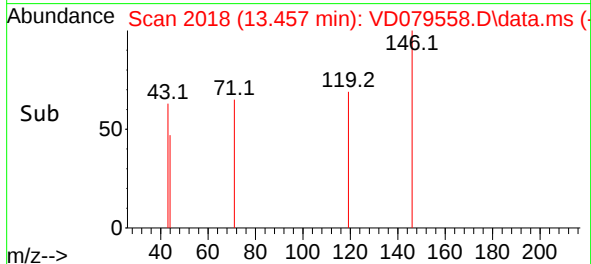
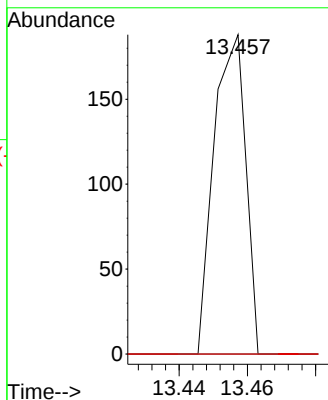
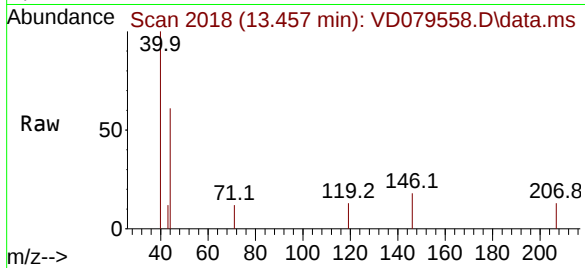




#86
p-Isopropyltoluene
Concen: 3.897 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

Instrument :
MSVOA_D
ClientSampleId :
VD0802SBL02

Tgt Ion:119 Resp: 121
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.799 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079558.D
Acq: 03 Aug 2024 00:24

Tgt Ion: 91 Resp: 173
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

