

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079610.D
 Acq On : 06 Aug 2024 06:28
 Operator : RP/MD
 Sample : P3448-11
 Misc : 4.19G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 08:10:33 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)

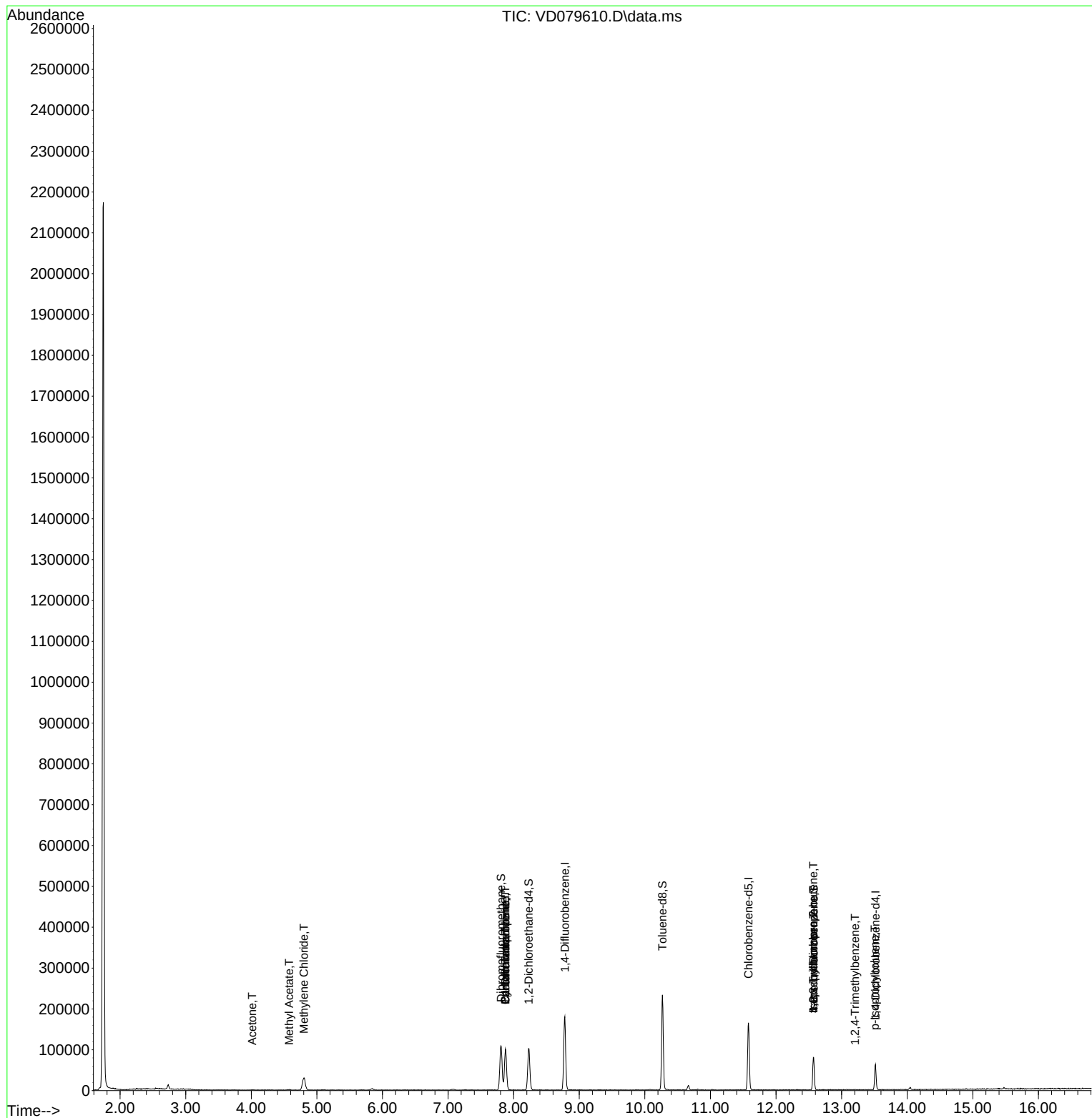
Internal Standards						
1) Pentafluorobenzene	7.875	168	78991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	166659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	102019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	17512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80486	100.297	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 200.600%#	
35) Dibromofluoromethane	7.810	113	82485	73.123	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 146.240%	
50) Toluene-d8	10.269	98	165446	37.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 75.540%	
62) 4-Bromofluorobenzene	12.575	95	23215	18.314	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 36.620%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.704	94	227	Below Cal	#	34
11) Tert butyl alcohol	5.034	59	57	Below Cal	#	86
16) Acetone	4.016	43	767	4.918	ug/l #	66
18) Methyl Acetate	4.575	43	2378	4.911	ug/l #	48
20) Methylene Chloride	4.804	84	23920	7.887	ug/l #	86
31) Cyclohexane	7.875	56	1759	1.320	ug/l #	39
36) 1,1-Dichloropropene	7.875	75	6552	4.256	ug/l #	41
38) Carbon Tetrachloride	7.875	117	8046	4.971	ug/l #	17
73) Isopropylbenzene	12.569	105	60	3.670	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	11553	75.474	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	11553	143.950	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.204	105	343	3.720	ug/l #	29
86) p-Isopropyltoluene	13.504	119	54	3.927	ug/l #	51

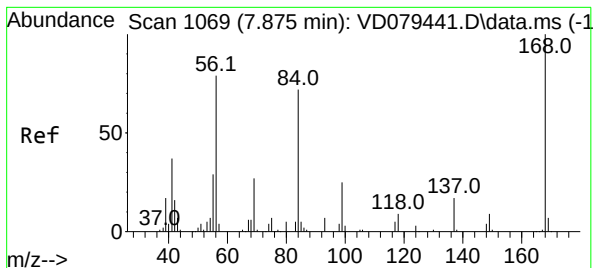
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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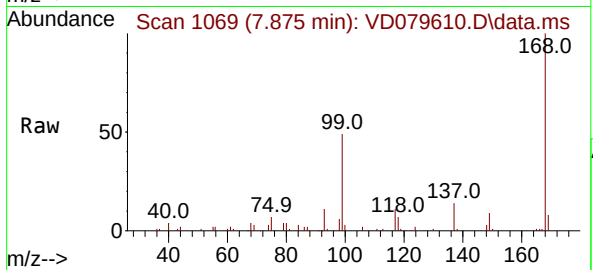
Quant Time: Aug 06 08:10:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



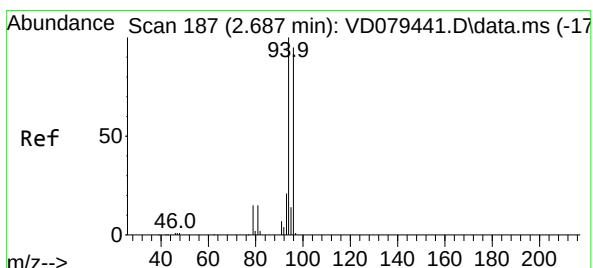
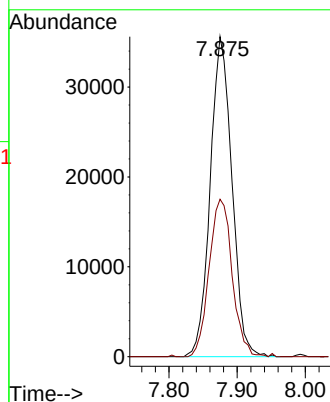
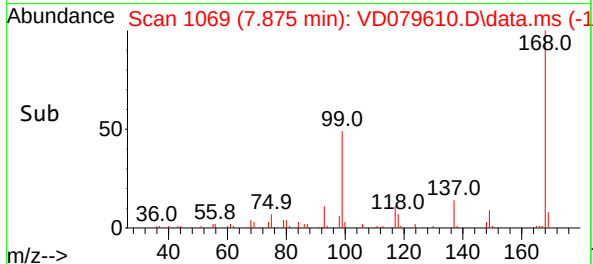


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

Instrument :
MSVOA_D
ClientSampleId :

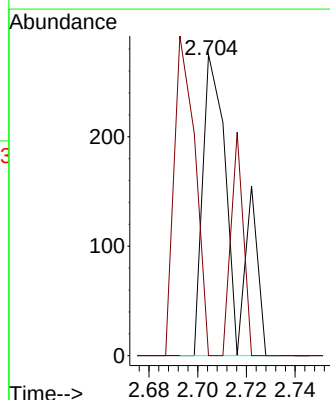
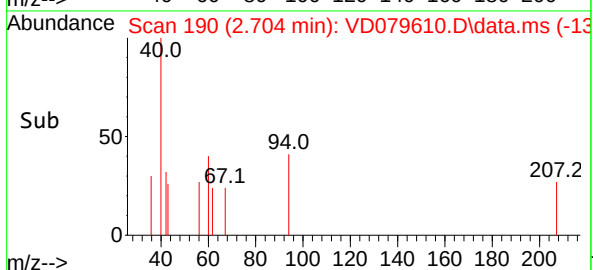
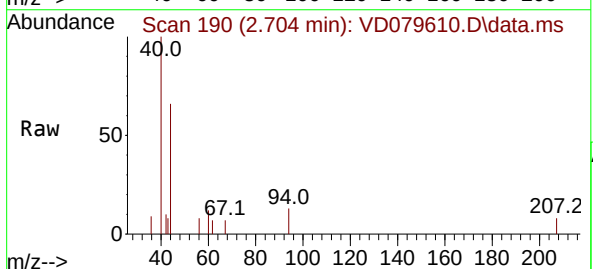


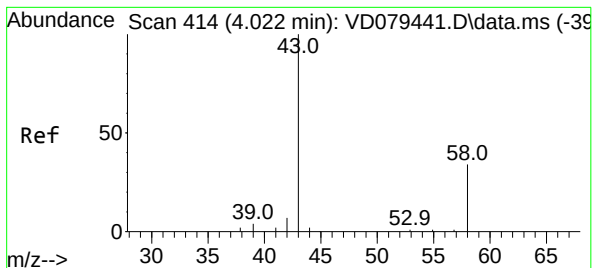
Tgt Ion:168 Resp: 78991
Ion Ratio Lower Upper
168 100
99 49.2 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.704 min Scan# 190
Delta R.T. 0.017 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

Tgt Ion: 94 Resp: 227
Ion Ratio Lower Upper
94 100
96 31.7 76.9 115.3#





#16

Acetone

Concen: 4.918 ug/l

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

Instrument :

MSVOA_D

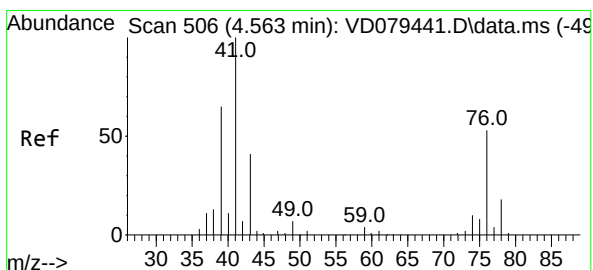
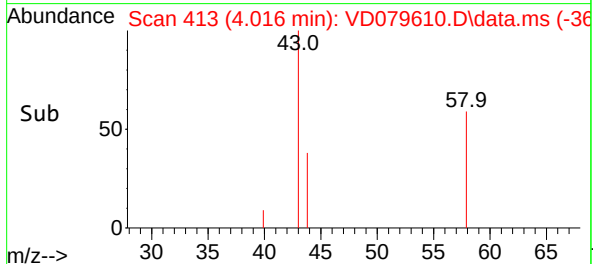
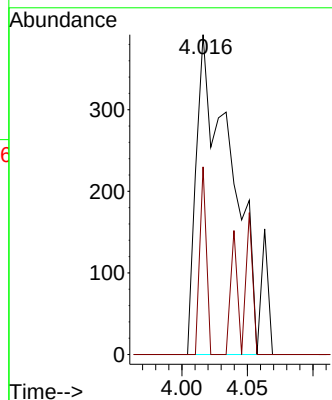
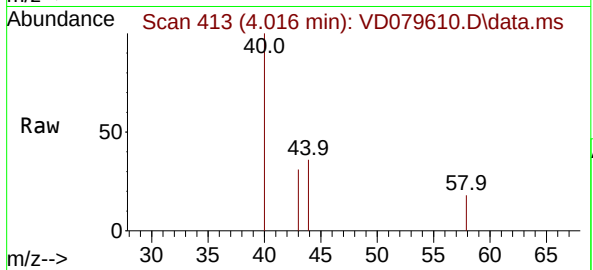
ClientSampleId :

Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

58 58.7 30.4 45.6#



#18

Methyl Acetate

Concen: 4.911 ug/l

RT: 4.575 min Scan# 508

Delta R.T. 0.005 min

Lab File: VD079610.D

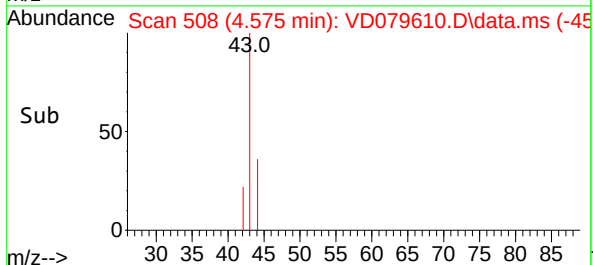
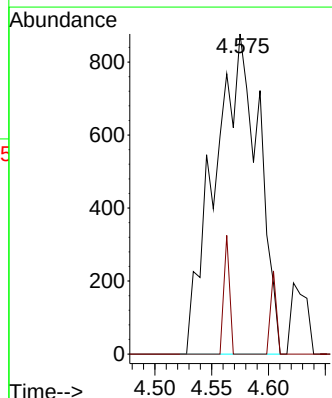
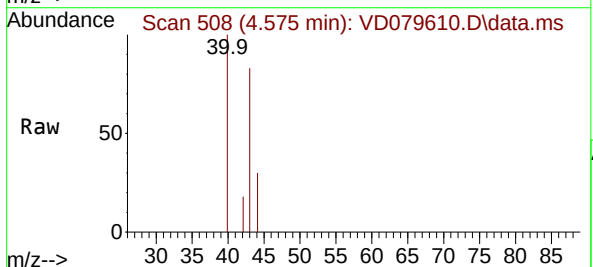
Acq: 06 Aug 2024 06:28

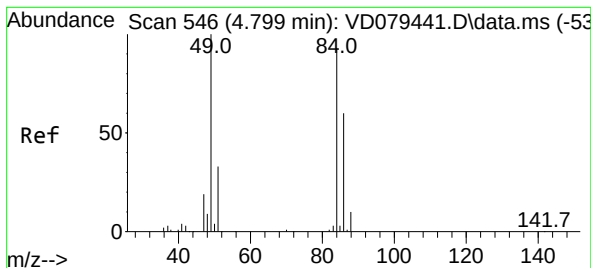
Tgt Ion: 43 Resp: 2378

Ion Ratio Lower Upper

43 100

74 4.8 28.1 42.1#





#20

Methylene Chloride

Concen: 7.887 ug/l

RT: 4.804 min Scan# 546

Delta R.T. 0.005 min

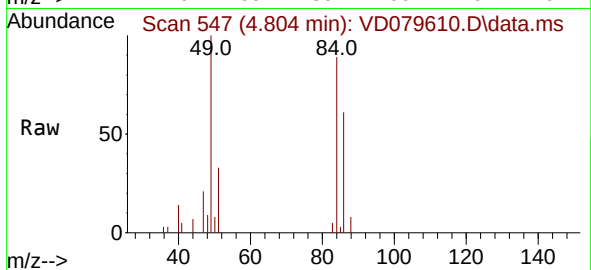
Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 23920

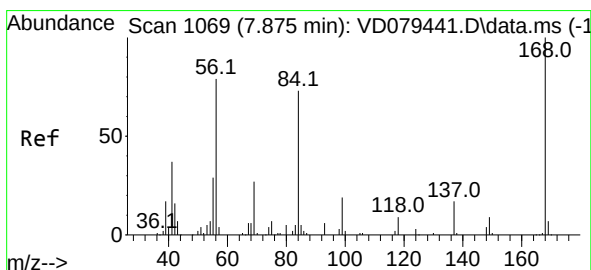
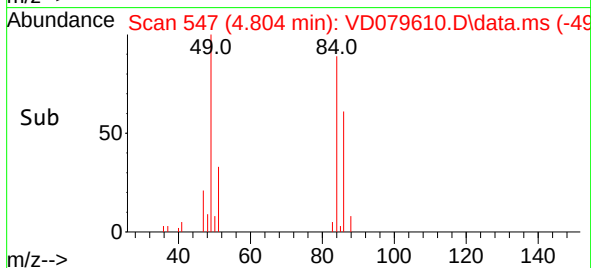
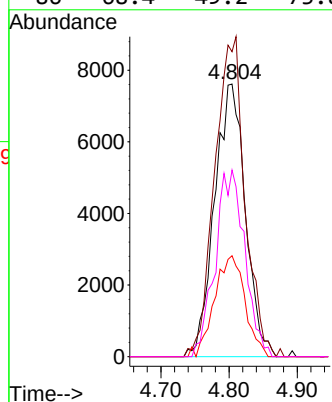
Ion Ratio Lower Upper

84 100

49 111.8 75.6 113.4

51 37.0 24.2 36.2#

86 68.4 49.2 73.8



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

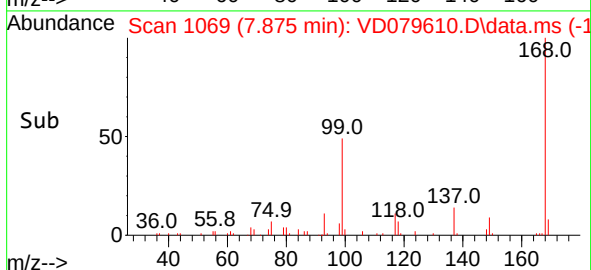
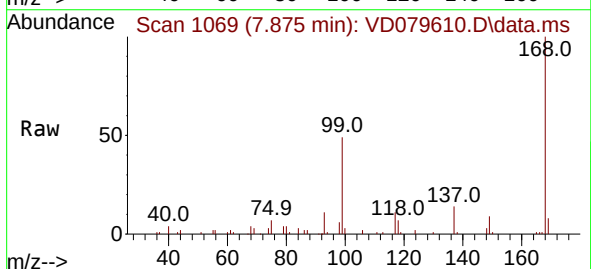
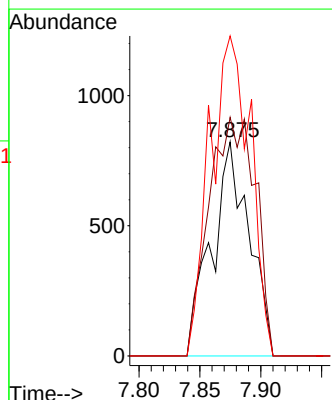
Tgt Ion: 56 Resp: 1759

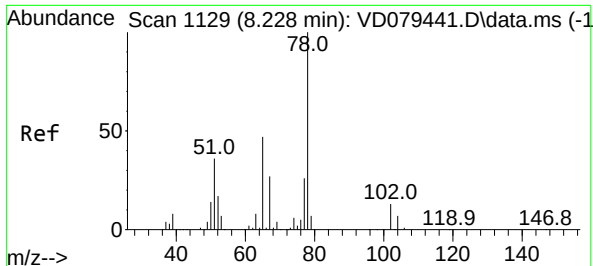
Ion Ratio Lower Upper

56 100

69 111.4 28.0 42.0#

84 149.5 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 100.297 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

Instrument :

MSVOA_D

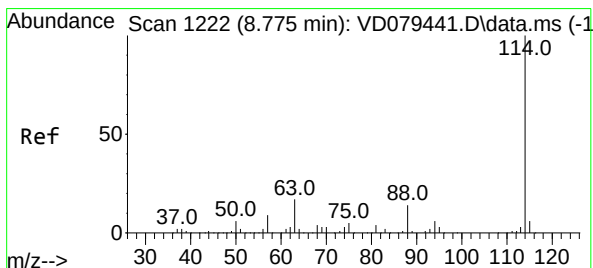
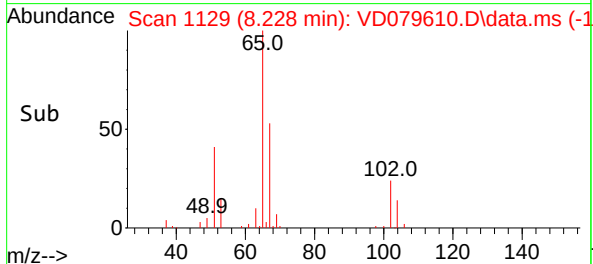
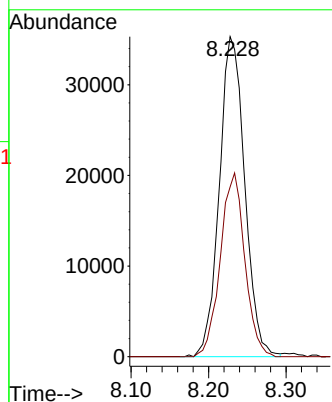
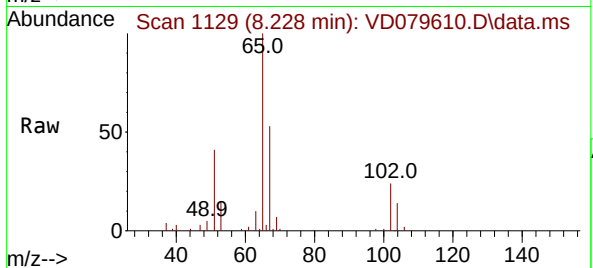
ClientSampleId :

Tgt Ion: 65 Resp: 80486

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# 1223

Delta R.T. 0.005 min

Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

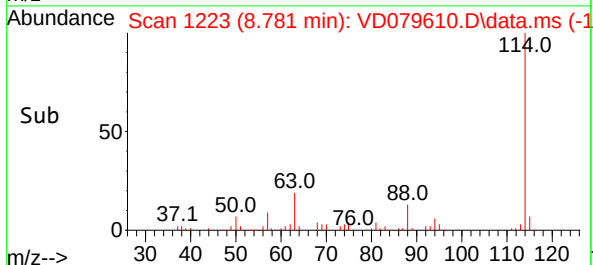
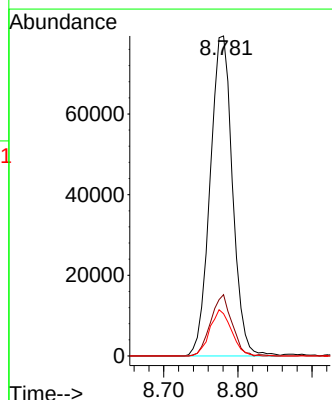
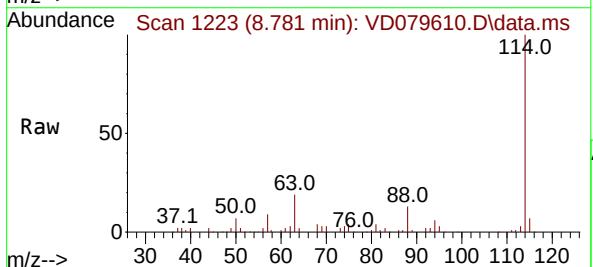
Tgt Ion: 114 Resp: 166659

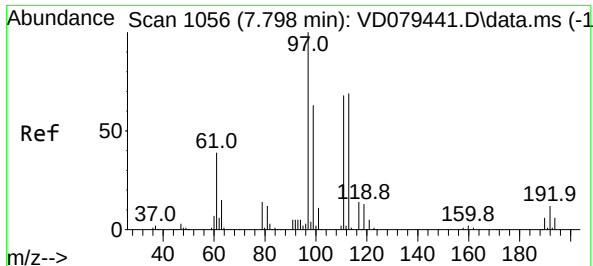
Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

88 13.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 73.123 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

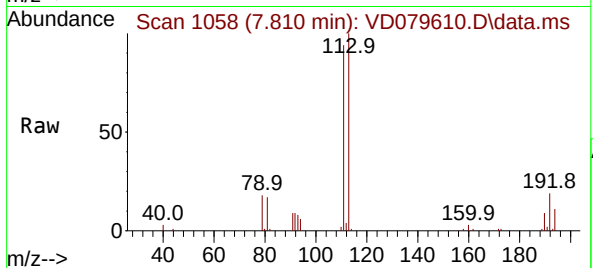
Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

Instrument :

MSVOA_D

ClientSampleId :



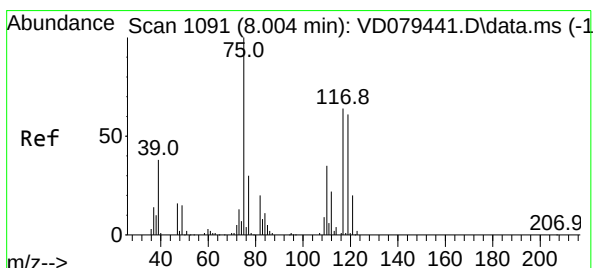
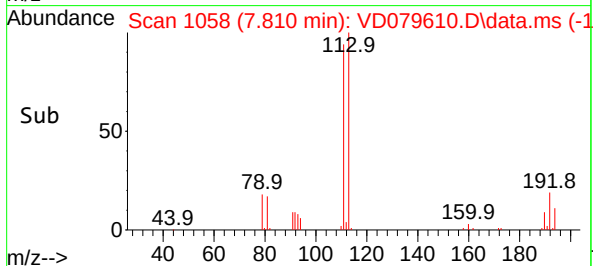
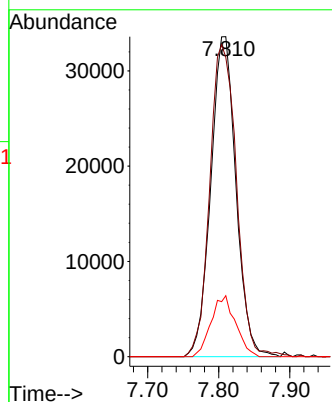
Tgt Ion:113 Resp: 82485

Ion Ratio Lower Upper

113 100

111 103.4 84.0 126.0

192 18.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.256 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

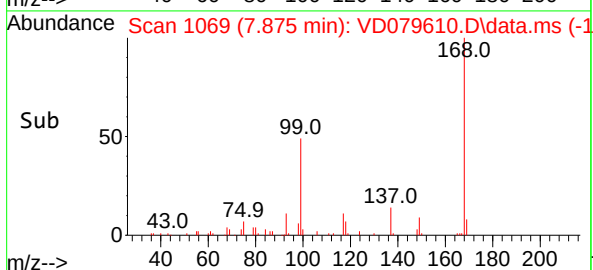
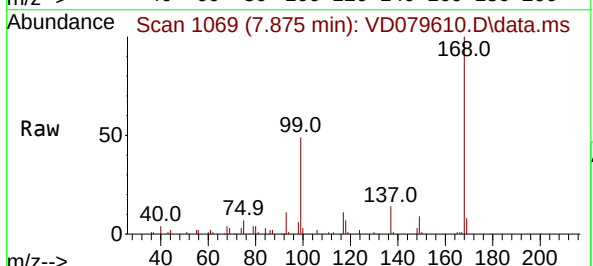
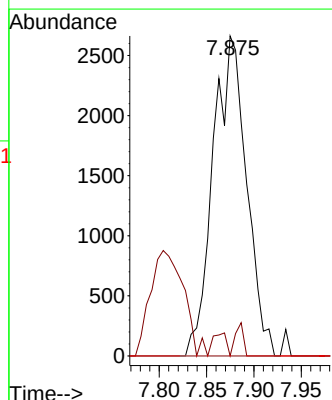
Tgt Ion: 75 Resp: 6552

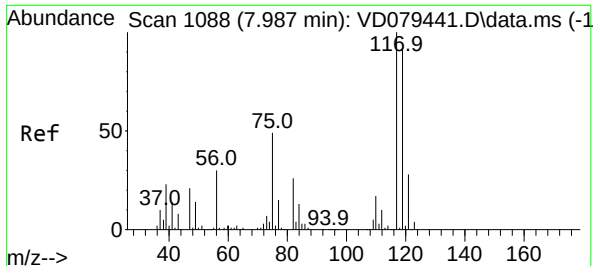
Ion Ratio Lower Upper

75 100

110 2.9 19.6 58.7#

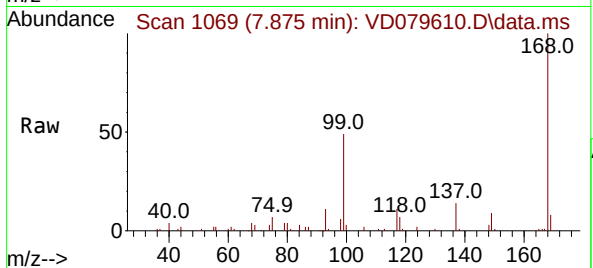
77 0.0 26.1 39.1#



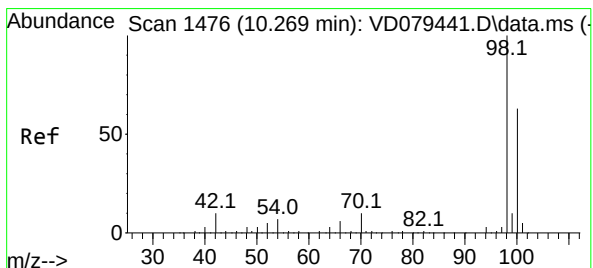
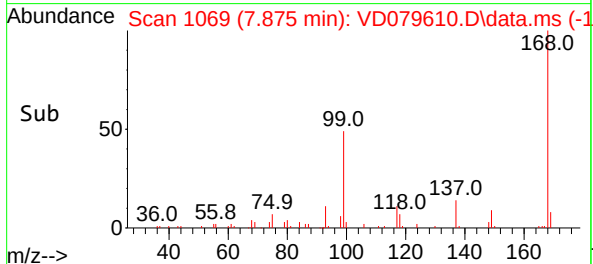
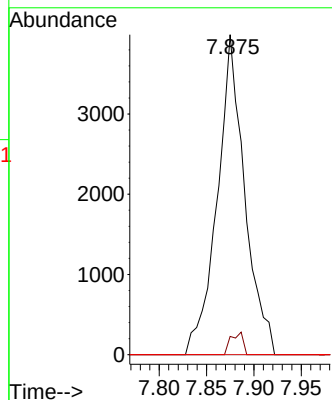


#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

Instrument :
MSVOA_D
ClientSampleId :

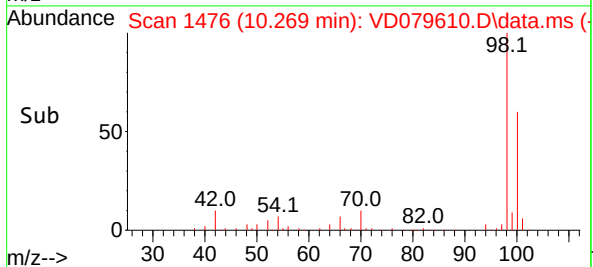
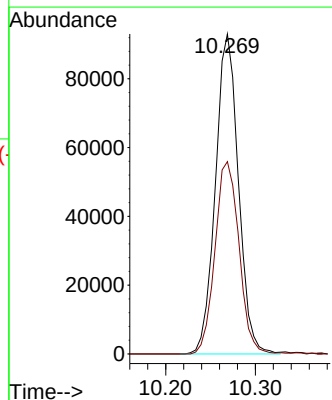
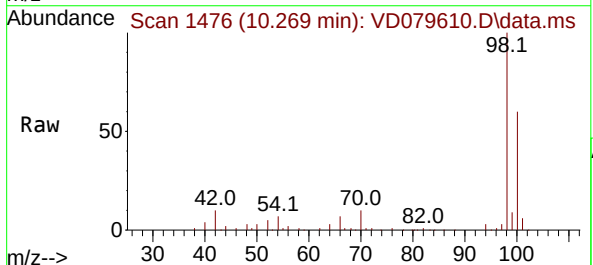


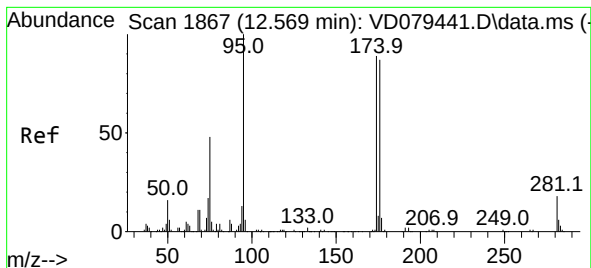
Tgt Ion:117 Resp: 8046
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 37.768 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

Tgt Ion: 98 Resp: 165446
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4

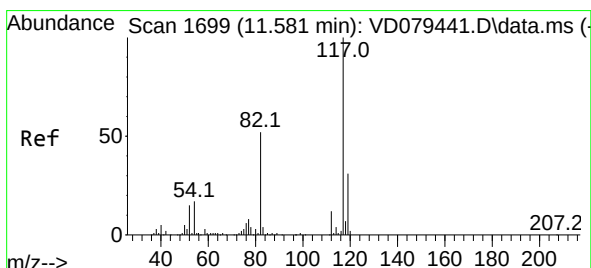
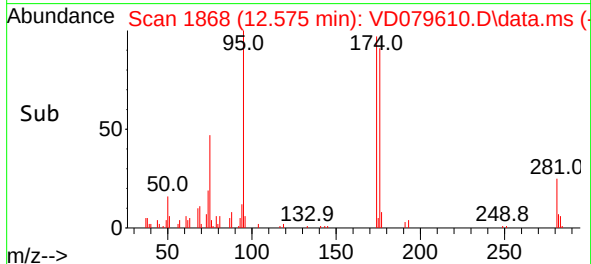
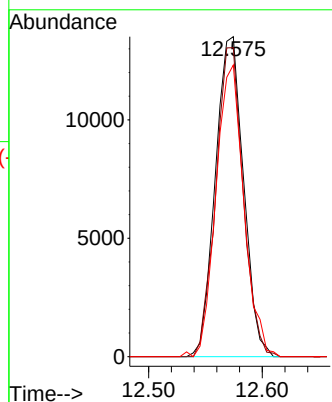
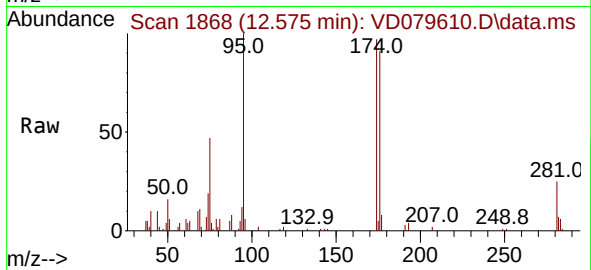




#62
4-Bromofluorobenzene
Concen: 18.314 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.005 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

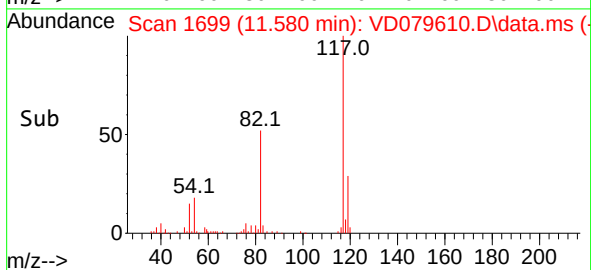
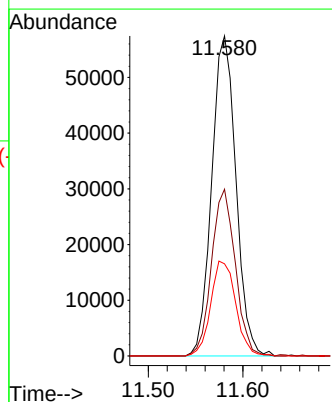
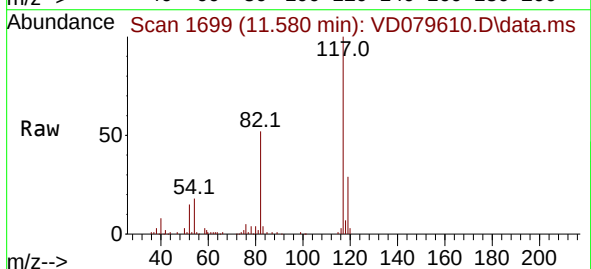
Instrument :
MSVOA_D
ClientSampleId :

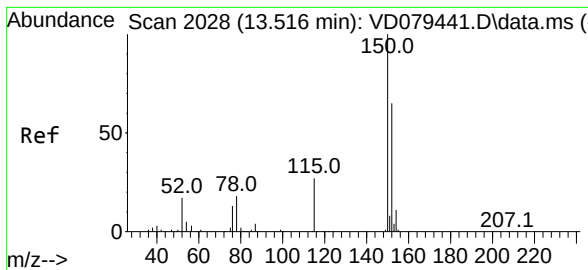
Tgt Ion: 95 Resp: 23215
Ion Ratio Lower Upper
95 100
174 94.2 0.0 195.4
176 90.6 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

Tgt Ion: 117 Resp: 102019
Ion Ratio Lower Upper
117 100
82 52.1 39.8 59.6
119 28.8 25.7 38.5

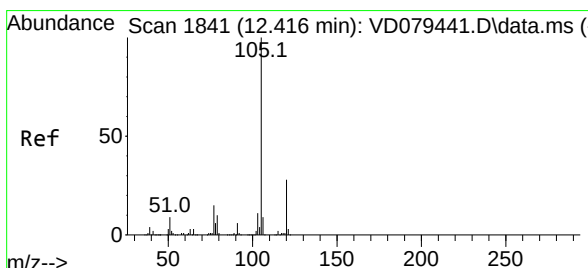
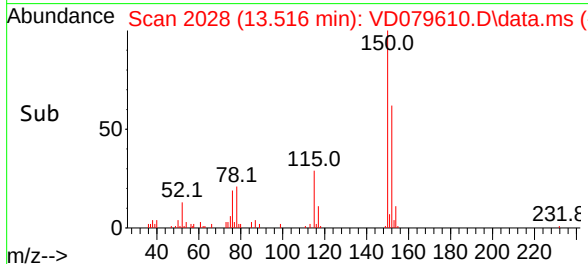
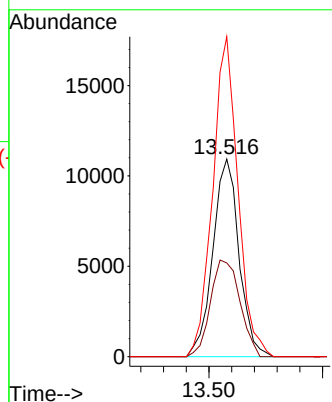
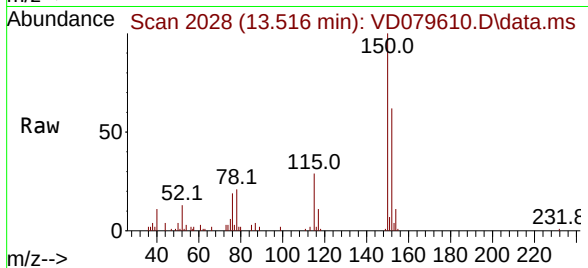




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.005 min
 Lab File: VD079610.D
 Acq: 06 Aug 2024 06:28

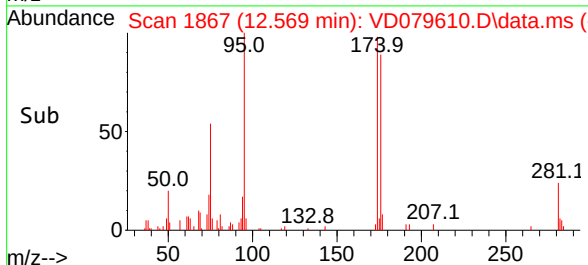
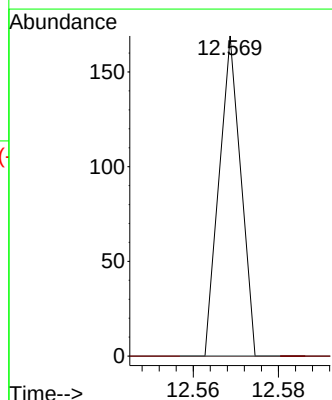
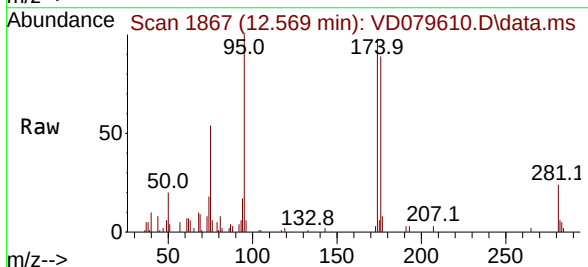
Instrument :
 MSVOA_D
 ClientSampleId :

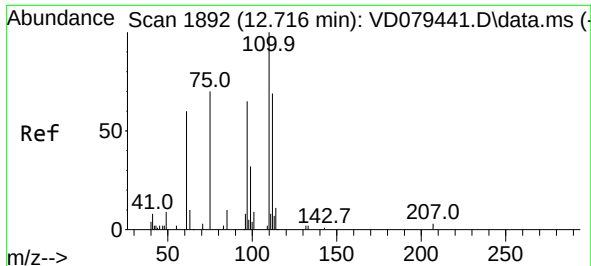
Tgt Ion:152 Resp: 17512
 Ion Ratio Lower Upper
 152 100
 115 54.9 26.5 79.5
 150 155.9 0.0 341.6



#73
 Isopropylbenzene
 Concen: 3.670 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.153 min
 Lab File: VD079610.D
 Acq: 06 Aug 2024 06:28

Tgt Ion:105 Resp: 60
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.6 40.7#

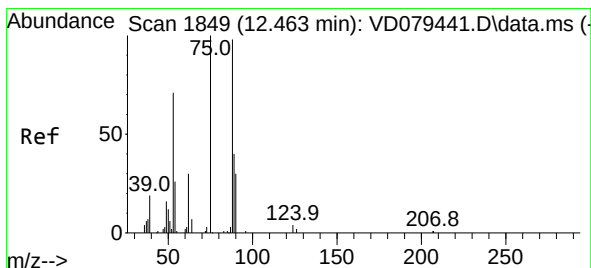
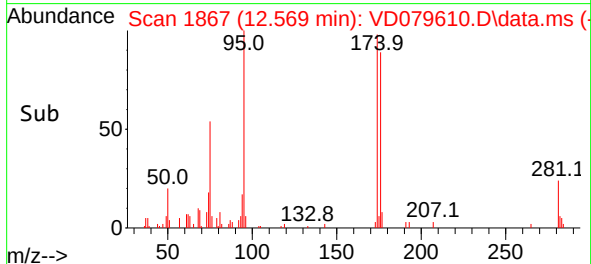
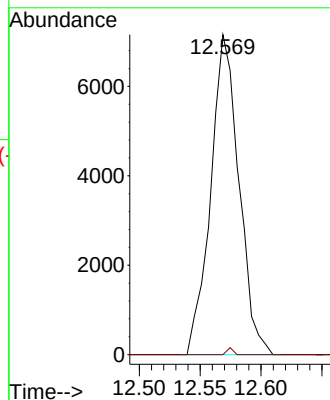
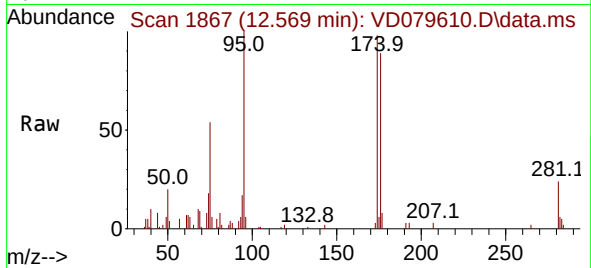




#76
1,2,3-Trichloropropane
Concen: 75.474 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

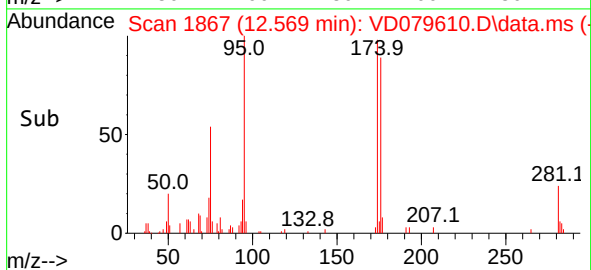
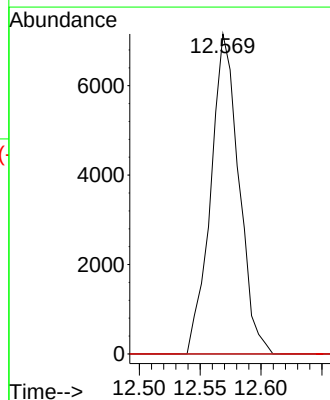
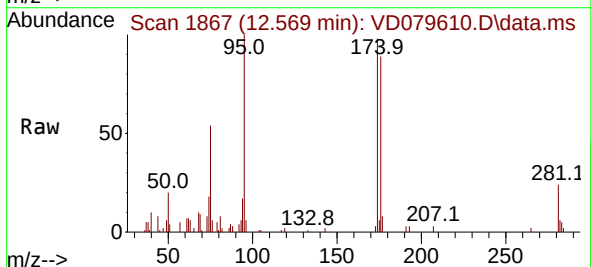
Instrument :
MSVOA_D
ClientSampleId :

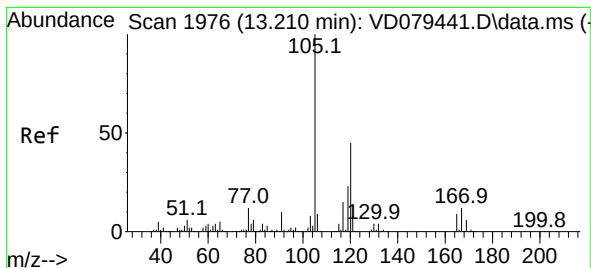
Tgt Ion: 75 Resp: 11553
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.950 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079610.D
Acq: 06 Aug 2024 06:28

Tgt Ion: 75 Resp: 11553
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.720 ug/l

RT: 13.204 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

Instrument :

MSVOA_D

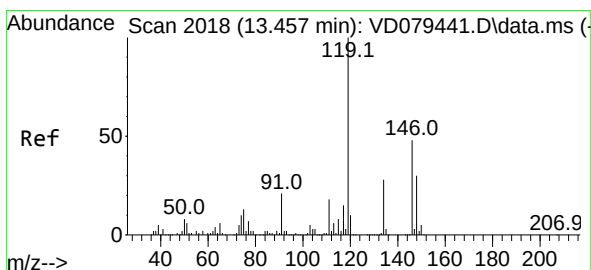
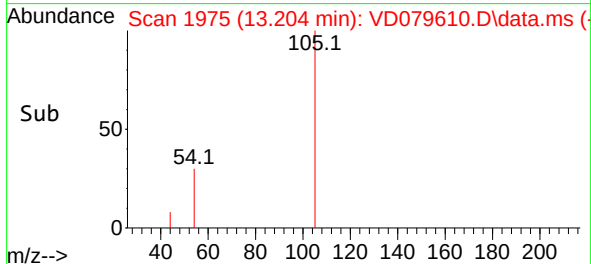
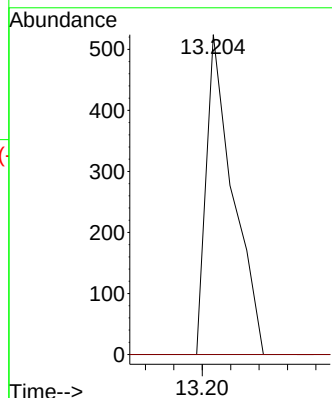
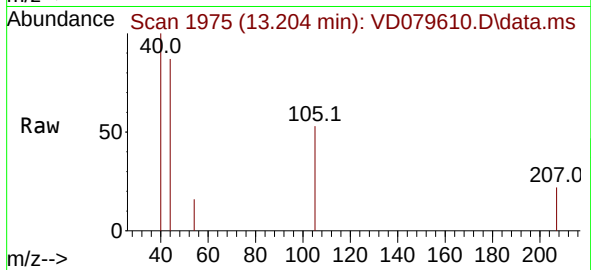
ClientSampleId :

Tgt Ion:105 Resp: 343

Ion Ratio Lower Upper

105 100

120 0.0 23.6 71.0#



#86

p-Isopropyltoluene

Concen: 3.927 ug/l

RT: 13.504 min Scan# 2026

Delta R.T. 0.047 min

Lab File: VD079610.D

Acq: 06 Aug 2024 06:28

Tgt Ion:119 Resp: 54

Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 0.0 10.7 32.1#

