

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079590.D
 Acq On : 05 Aug 2024 19:34
 Operator : RP/MD
 Sample : P3448-07
 Misc : 5.41G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 02:49:37 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)

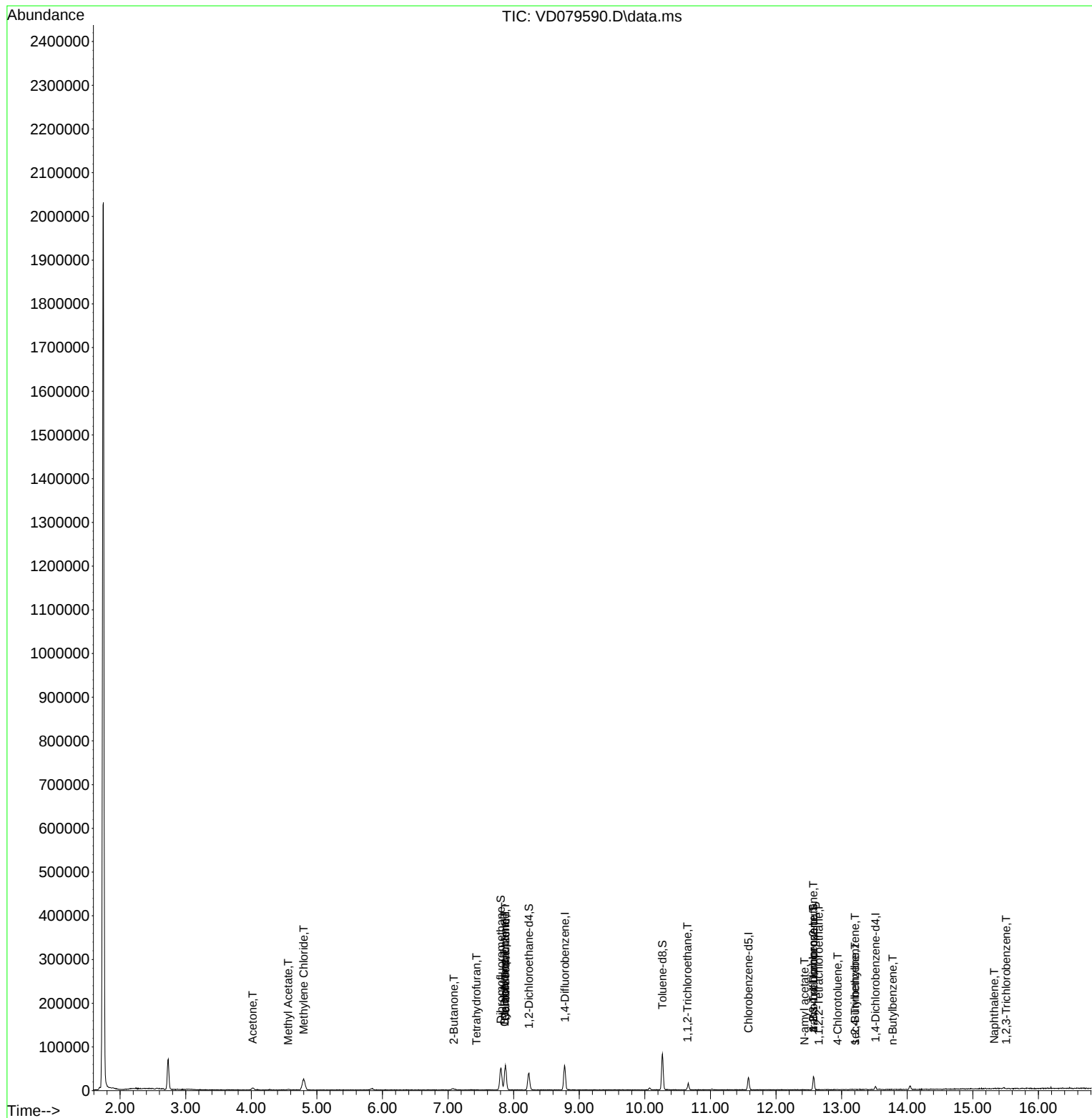
Internal Standards						
1) Pentafluorobenzene	7.875	168	44759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	52284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	17836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	1982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	30133	66.269	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.540%
35) Dibromofluoromethane	7.804	113	36867	104.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	208.360%#
50) Toluene-d8	10.269	98	59265	43.125	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.260%
62) 4-Bromofluorobenzene	12.569	95	3170	7.971	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	15.940%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	58	Below Cal	#	1
16) Acetone	4.022	43	7413	83.887	ug/l	89
18) Methyl Acetate	4.563	43	2753	10.034	ug/l #	72
20) Methylene Chloride	4.799	84	20234	23.817	ug/l #	89
25) 2-Butanone	7.087	43	2290	18.279	ug/l	94
29) Tetrahydrofuran	7.434	42	111	1.430	ug/l #	54
31) Cyclohexane	7.863	56	952	1.261	ug/l #	39
36) 1,1-Dichloropropene	7.863	75	3960	8.199	ug/l #	44
38) Carbon Tetrachloride	7.875	117	4590	9.040	ug/l #	13
55) 1,1,2-Trichloroethane	10.651	97	274	1.005	ug/l #	15
74) N-amyl acetate	12.433	43	55	1.887	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	12.651	83	55	2.136	ug/l #	24
76) 1,2,3-Trichloropropane	12.569	75	1636	94.432	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	1636	180.107	ug/l #	19
82) 4-Chlorotoluene	12.939	91	167	1.737	ug/l #	37
84) 1,2,4-Trimethylbenzene	13.204	105	235	5.191	ug/l #	29
85) sec-Butylbenzene	13.204	105	235	1.600	ug/l #	56
89) n-Butylbenzene	13.780	91	277	5.778	ug/l #	34
95) Naphthalene	15.327	128	530	8.261	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.510	180	53	1.625	ug/l #	12

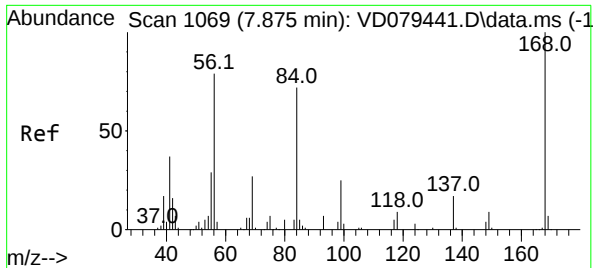
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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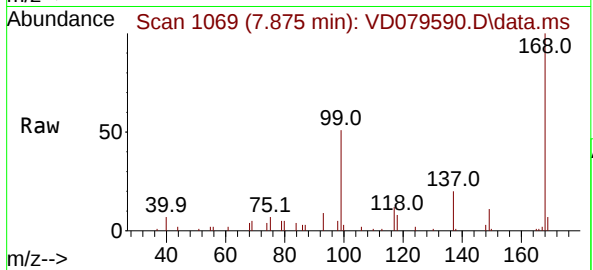
Quant Time: Aug 06 02:49:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



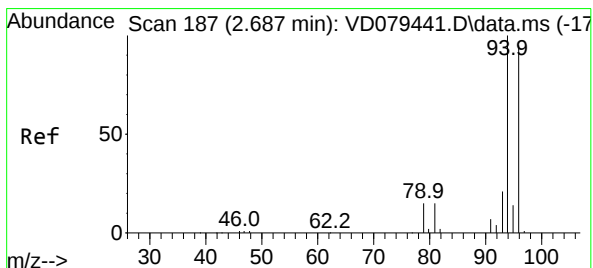
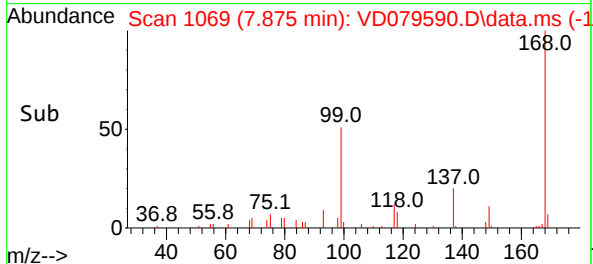
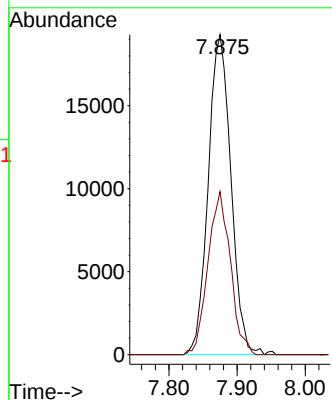


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Instrument :
MSVOA_D
ClientSampleId :

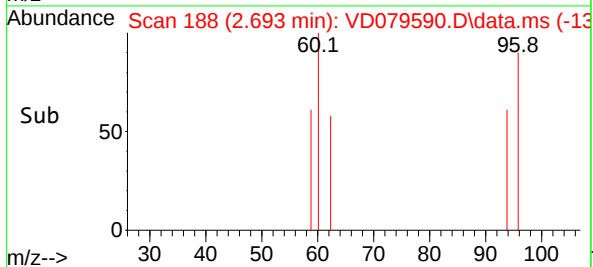
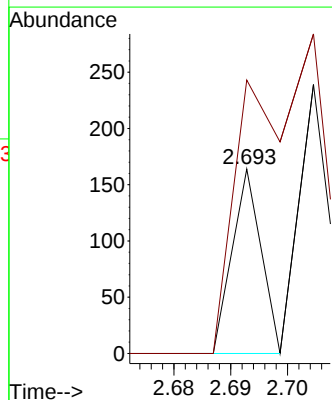
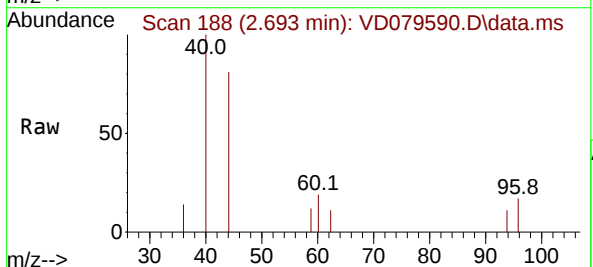


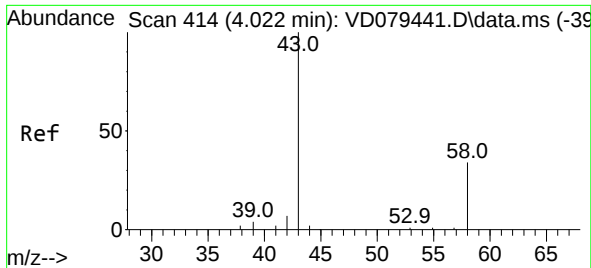
Tgt Ion:168 Resp: 44759
Ion Ratio Lower Upper
168 100
99 50.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Tgt Ion: 94 Resp: 58
Ion Ratio Lower Upper
94 100
96 434.5 76.9 115.3#

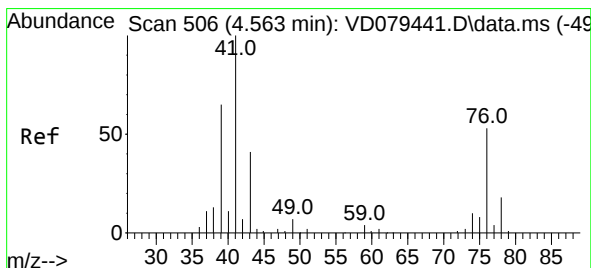
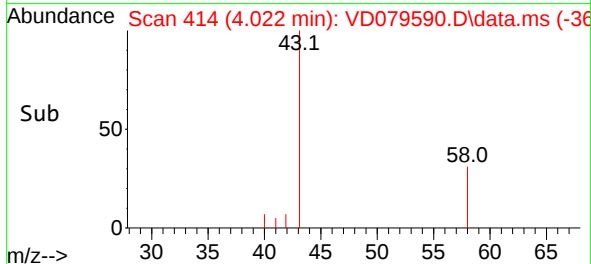
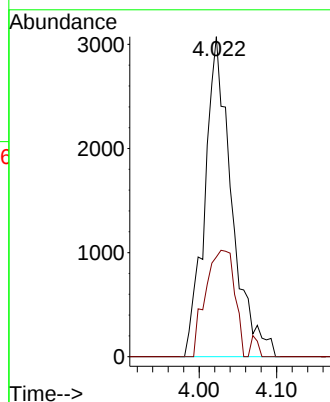
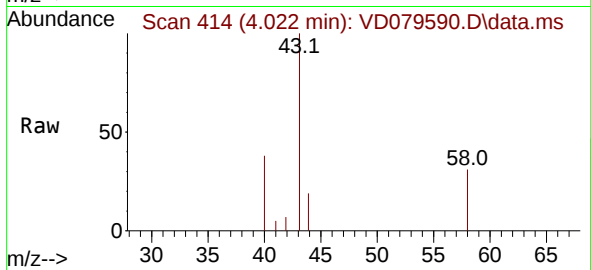




#16
Acetone
Concen: 83.887 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

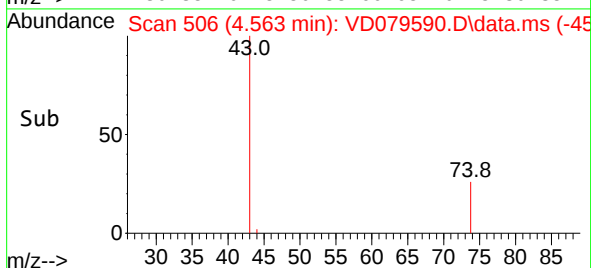
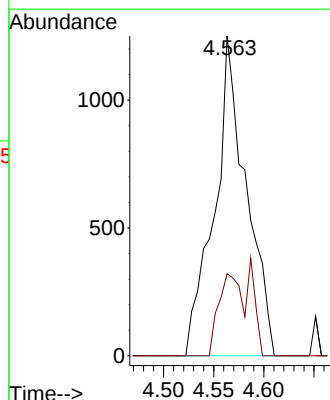
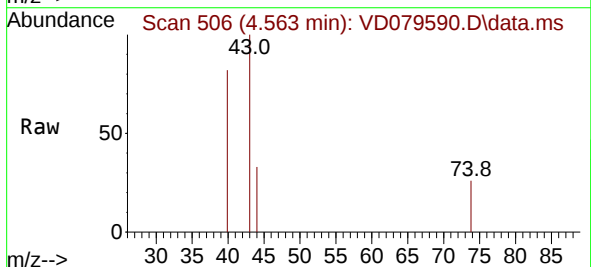
Instrument :
MSVOA_D
ClientSampleId :

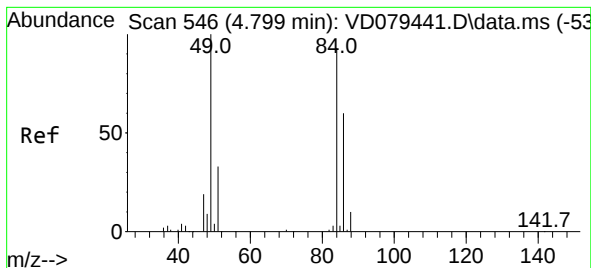
Tgt Ion: 43 Resp: 7413
Ion Ratio Lower Upper
43 100
58 31.1 30.4 45.6



#18
Methyl Acetate
Concen: 10.034 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Tgt Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
74 18.6 28.1 42.1#





#20

Methylene Chloride

Concen: 23.817 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

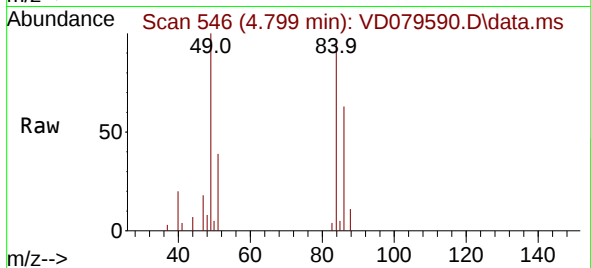
Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 20234

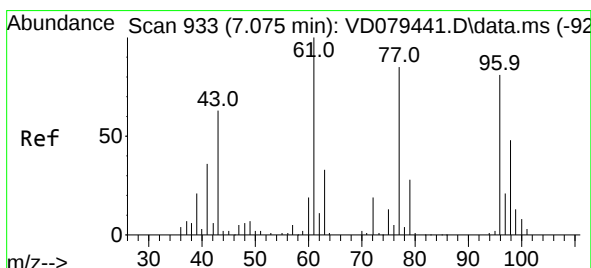
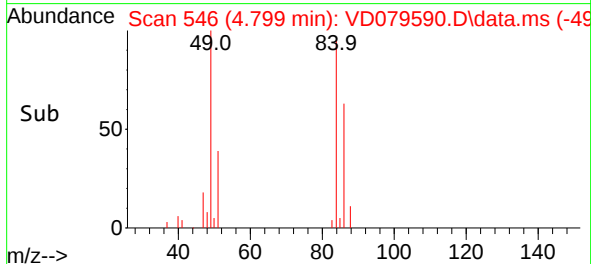
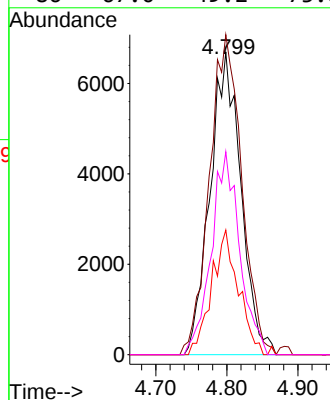
Ion Ratio Lower Upper

84 100

49 105.6 75.6 113.4

51 41.1 24.2 36.2#

86 67.0 49.2 73.8



#25

2-Butanone

Concen: 18.279 ug/l

RT: 7.087 min Scan# 935

Delta R.T. -0.006 min

Lab File: VD079590.D

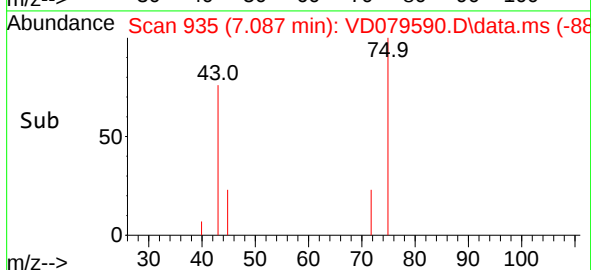
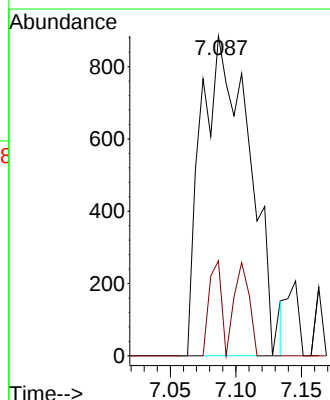
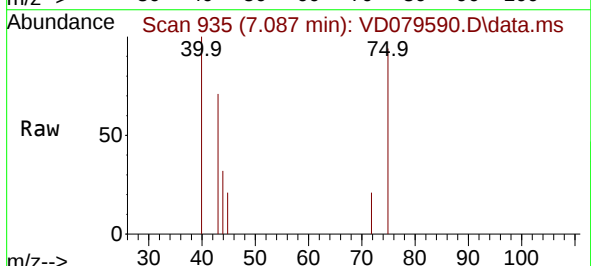
Acq: 05 Aug 2024 19:34

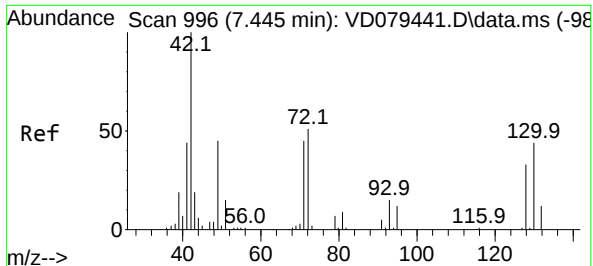
Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

72 29.7 26.4 39.6





#29

Tetrahydrofuran

Concen: 1.430 ug/l

RT: 7.434 min Scan# 994

Delta R.T. -0.012 min

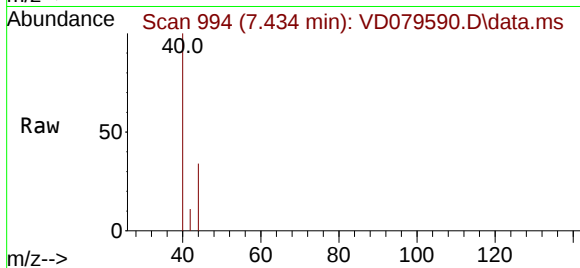
Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

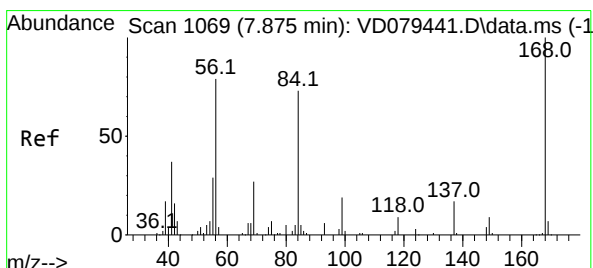
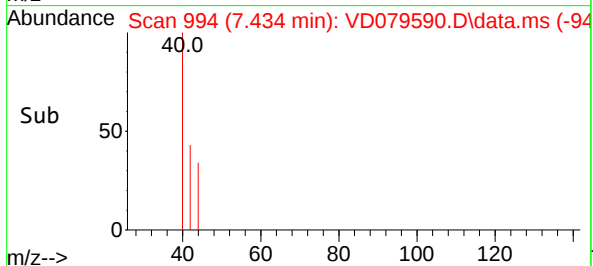
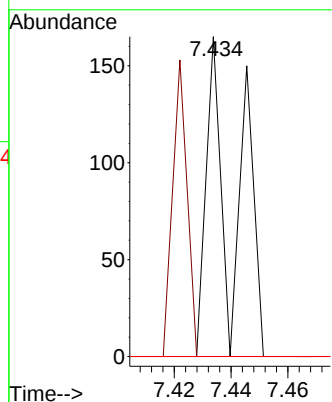
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 111
Ion Ratio	Lower Upper
42 100	
72 48.6	49.4 74.0#
71 0.0	45.0 67.6#



#31

Cyclohexane

Concen: 1.261 ug/l

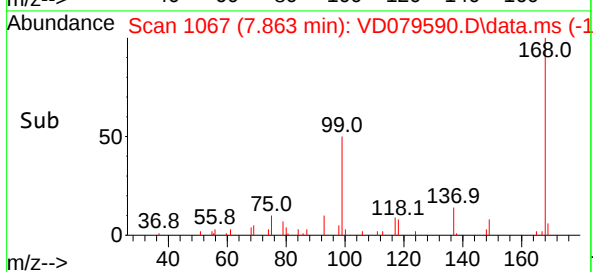
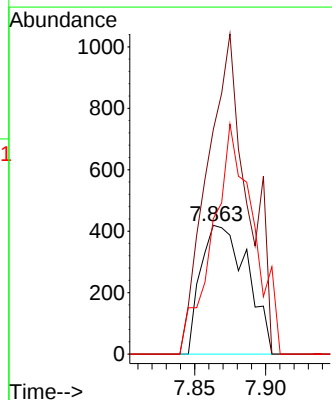
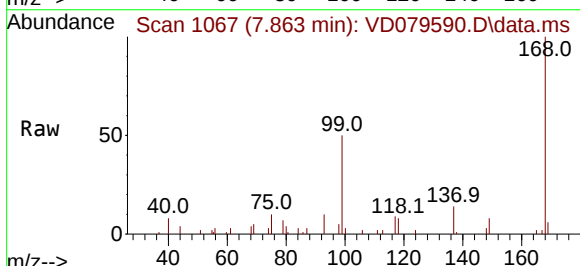
RT: 7.863 min Scan# 1067

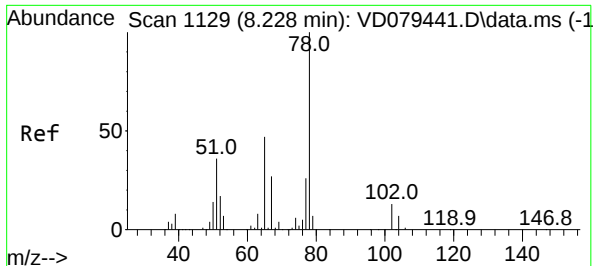
Delta R.T. -0.018 min

Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

Tgt Ion: 56	Resp: 952
Ion Ratio	Lower Upper
56 100	
69 174.5	28.0 42.0#
84 105.3	87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 66.269 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

Instrument :

MSVOA_D

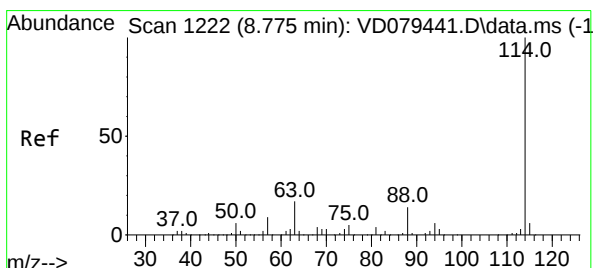
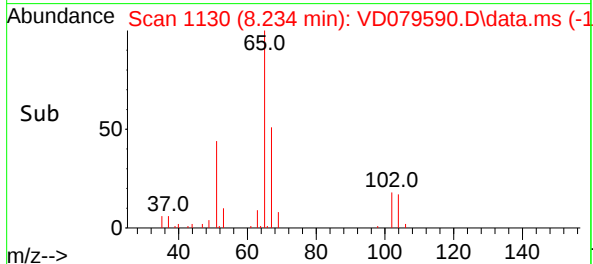
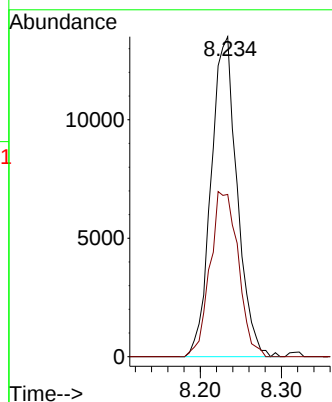
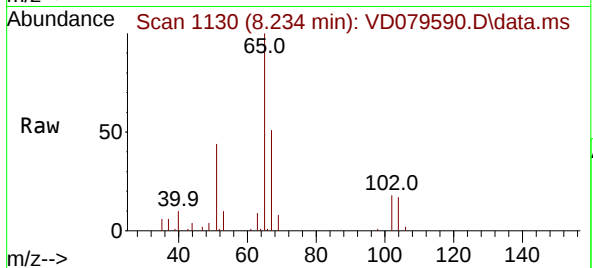
ClientSampleId :

Tgt Ion: 65 Resp: 30133

Ion Ratio Lower Upper

65 100

67 55.7 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: VD079590.D

Acq: 05 Aug 2024 19:34

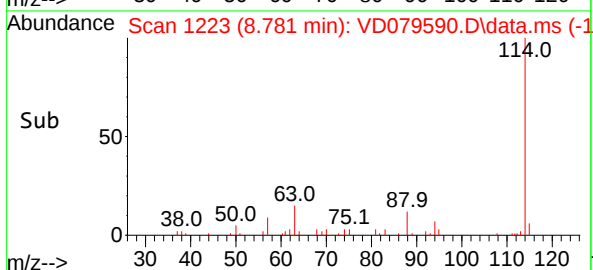
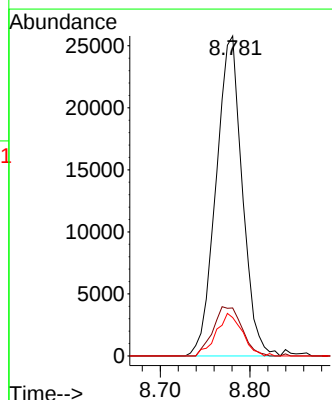
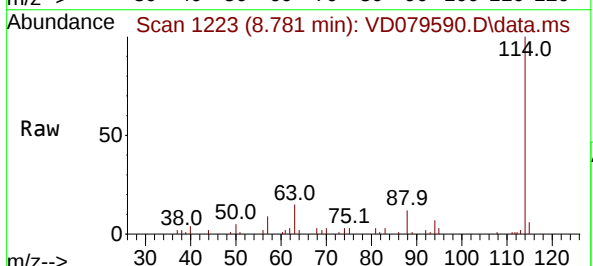
Tgt Ion: 114 Resp: 52284

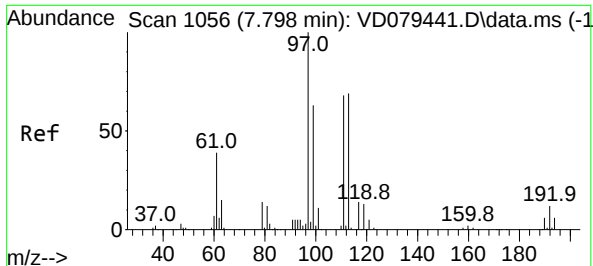
Ion Ratio Lower Upper

114 100

63 15.0 0.0 34.0

88 12.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 104.179 ug/l

RT: 7.804 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

Instrument :

MSVOA_D

ClientSampleId :

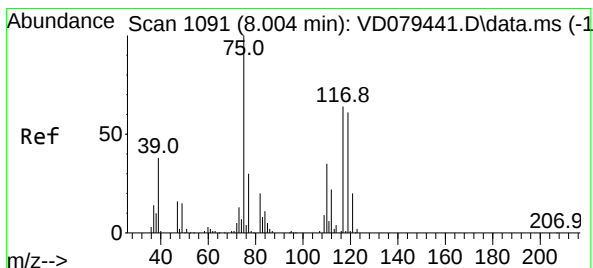
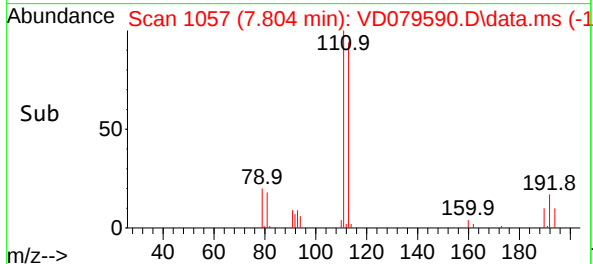
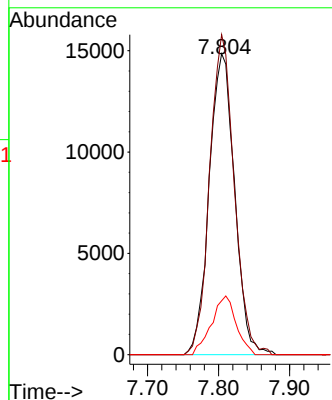
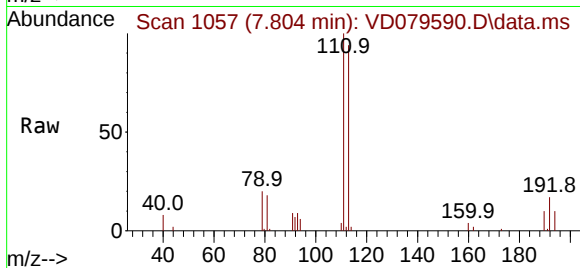
Tgt Ion:113 Resp: 36867

Ion Ratio Lower Upper

113 100

111 102.6 84.0 126.0

192 18.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 8.199 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

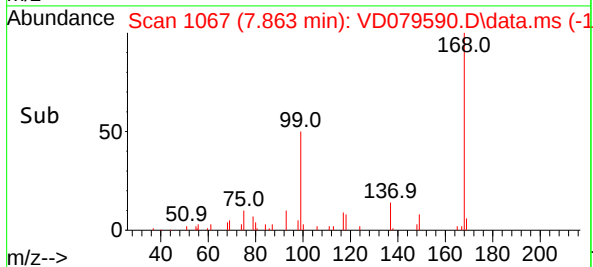
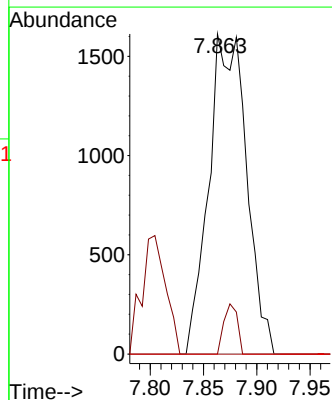
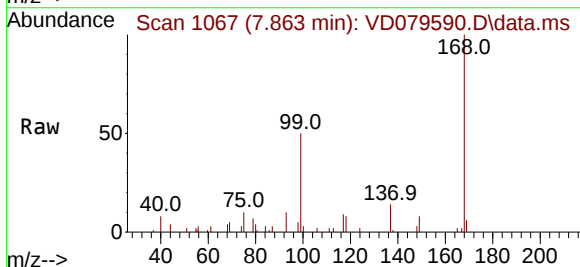
Tgt Ion: 75 Resp: 3960

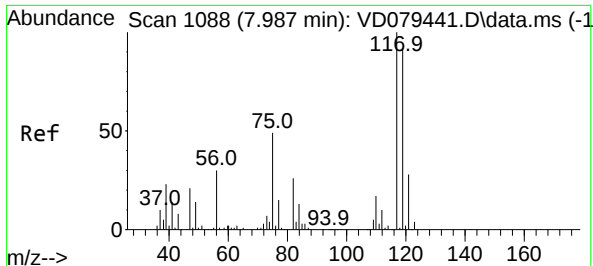
Ion Ratio Lower Upper

75 100

110 5.6 19.6 58.7#

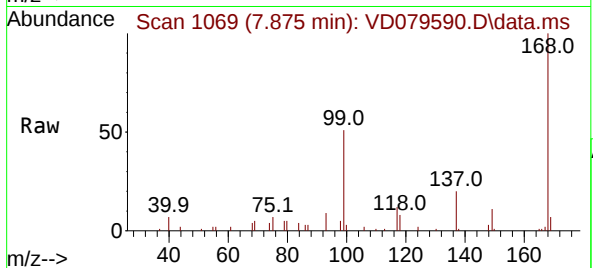
77 0.0 26.1 39.1#



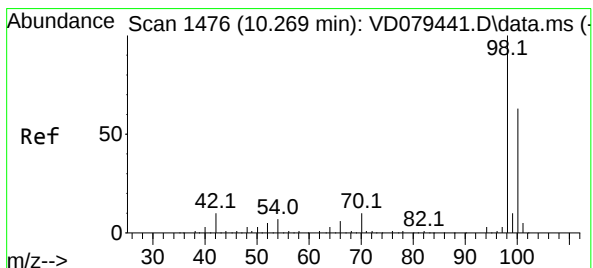
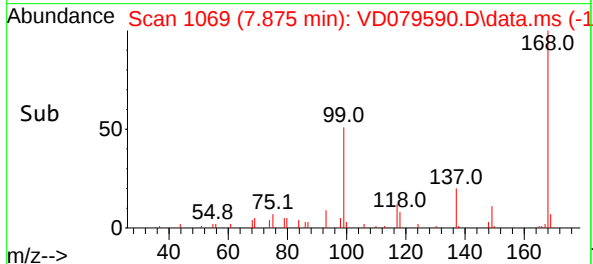
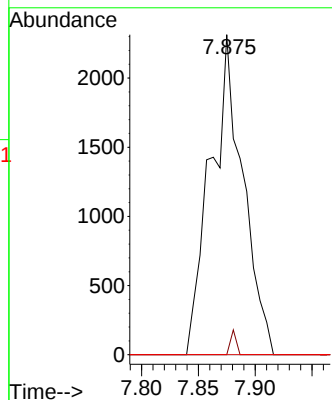


#38
Carbon Tetrachloride
Concen: 9.040 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Instrument :
MSVOA_D
ClientSampleId :

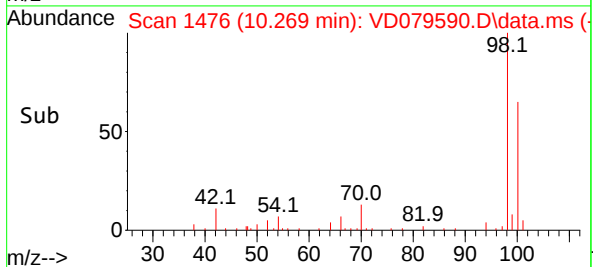
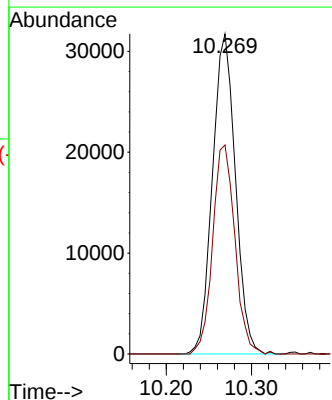
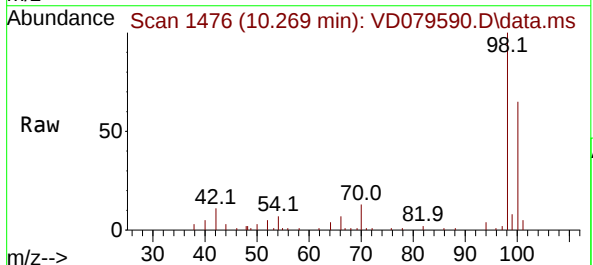


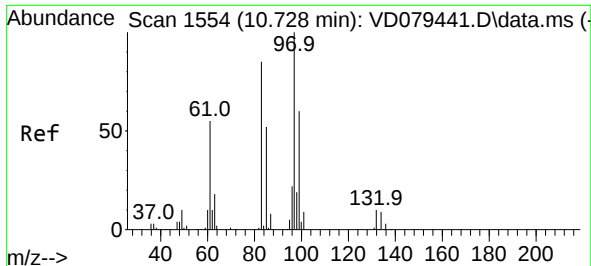
Tgt Ion:117 Resp: 4590
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 43.125 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

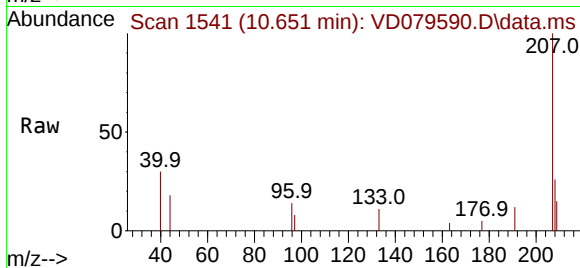
Tgt Ion: 98 Resp: 59265
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



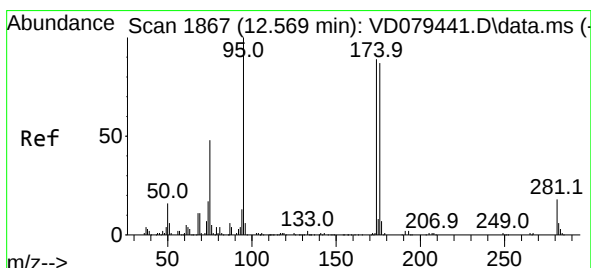
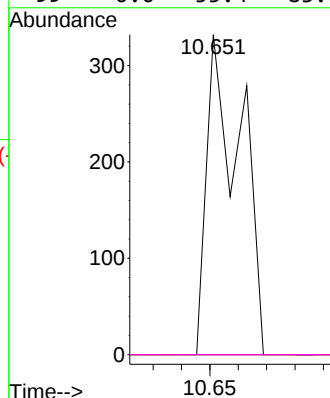
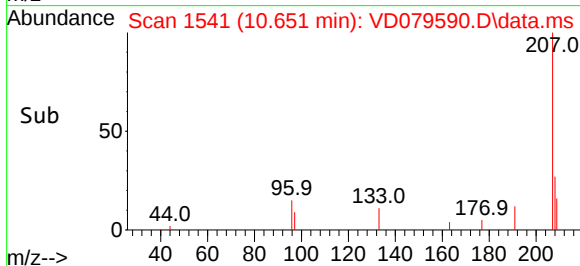


#55
1,1,2-Trichloroethane
Concen: 1.005 ug/l
RT: 10.651 min Scan# 1541
Delta R.T. -0.077 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

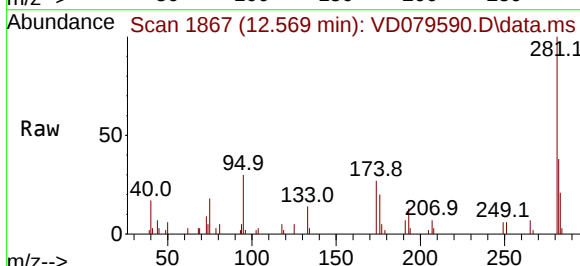
Instrument :
MSVOA_D
ClientSampleId :



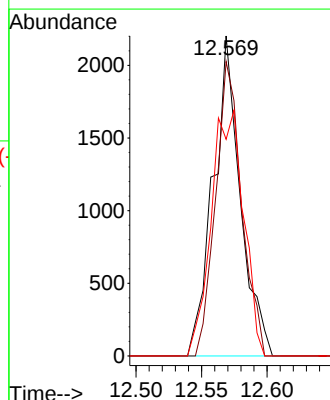
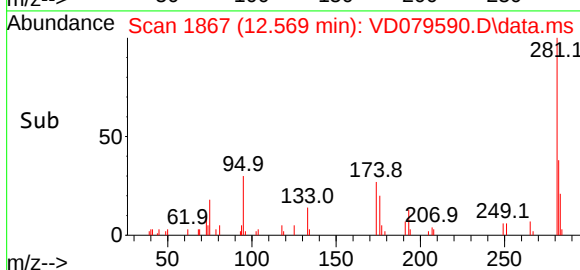
Tgt Ion: 97	Resp: 274
Ion Ratio	Lower Upper
97 100	
83 0.0	65.8 98.8#
85 0.0	43.8 65.8#
99 0.0	55.4 83.0#

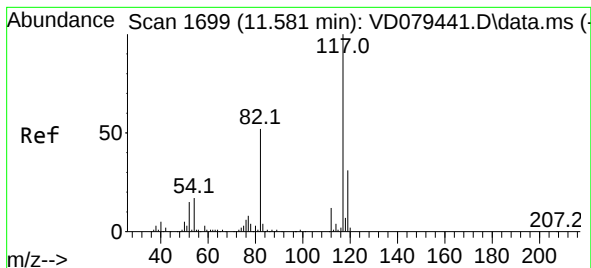


#62
4-Bromofluorobenzene
Concen: 7.971 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34



Tgt Ion: 95	Resp: 3170
Ion Ratio	Lower Upper
95 100	
174 88.2	0.0 195.4
176 91.7	0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

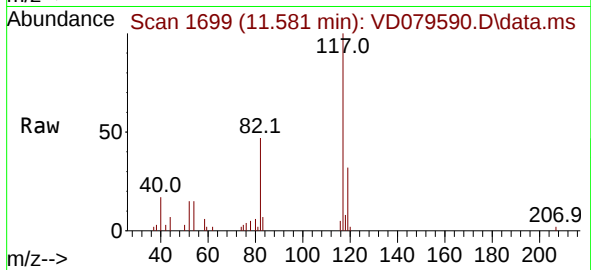
Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

Instrument :

MSVOA_D

ClientSampleId :



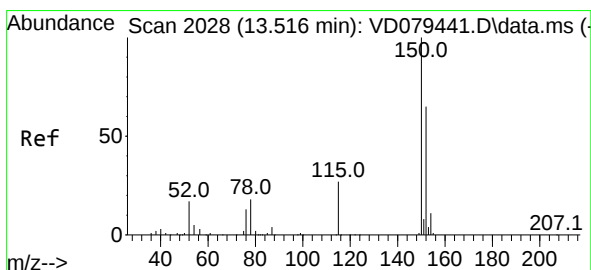
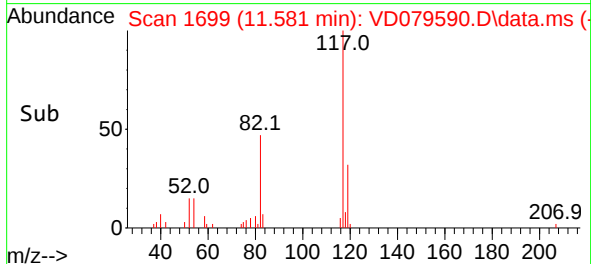
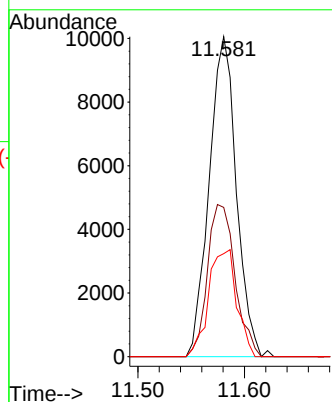
Tgt Ion:117 Resp: 17836

Ion Ratio Lower Upper

117 100

82 46.7 39.8 59.6

119 32.2 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: VD079590.D

Acq: 05 Aug 2024 19:34

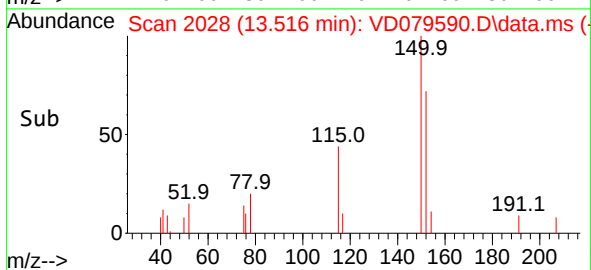
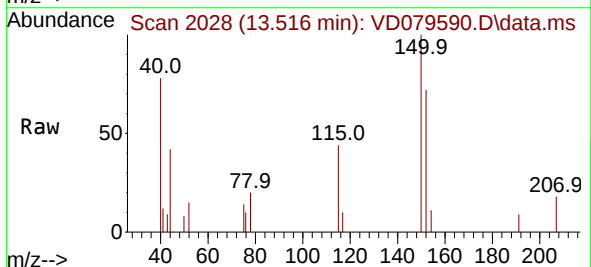
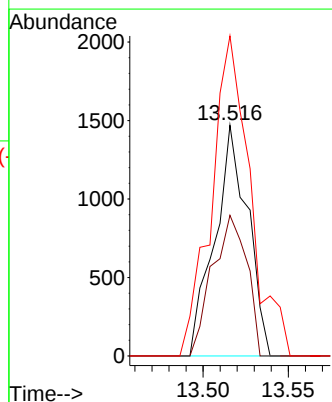
Tgt Ion:152 Resp: 1982

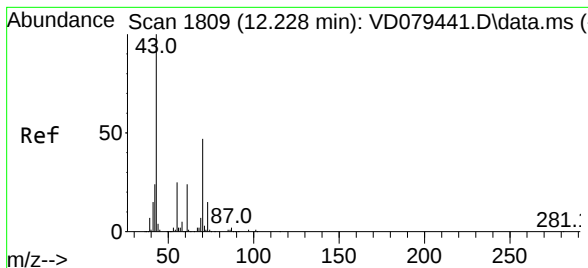
Ion Ratio Lower Upper

152 100

115 63.3 26.5 79.5

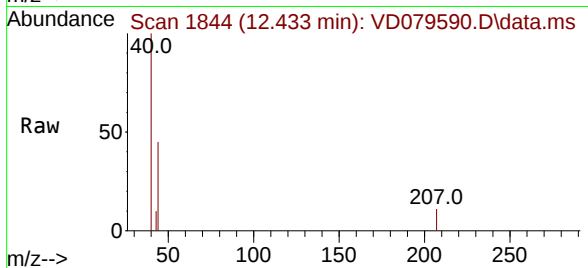
150 162.9 0.0 341.6



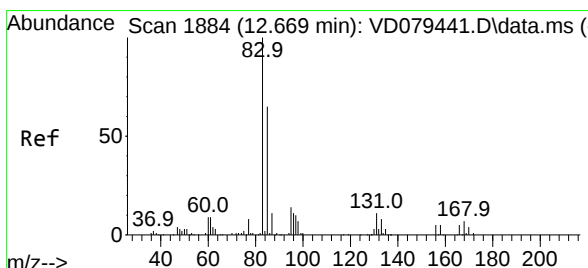
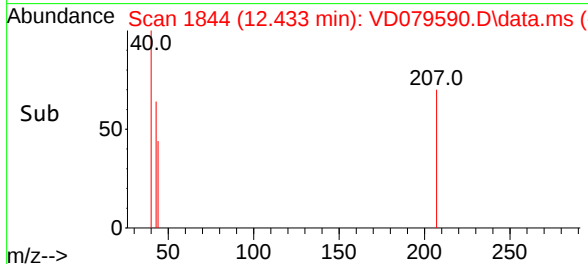
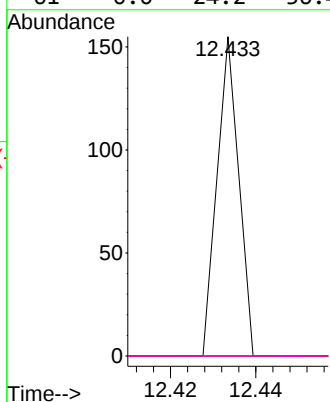


#74
N-amy1 acetate
Concen: 1.887 ug/l
RT: 12.433 min Scan# 1844
Delta R.T. 0.200 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Instrument :
MSVOA_D
ClientSampleId :

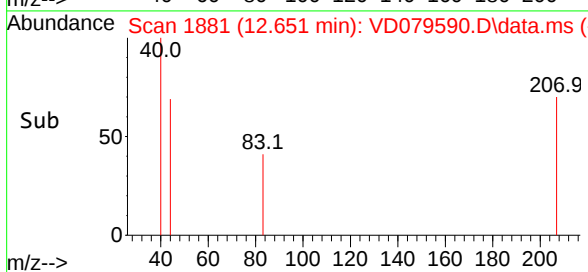
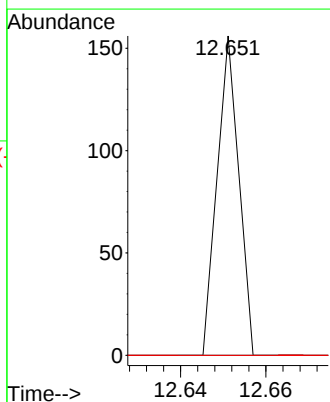
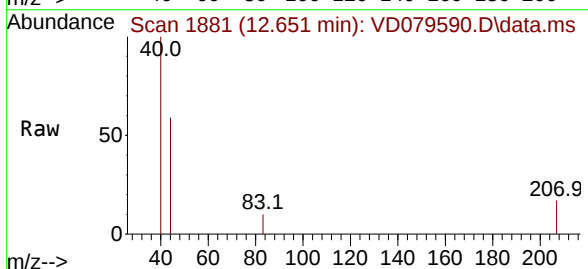


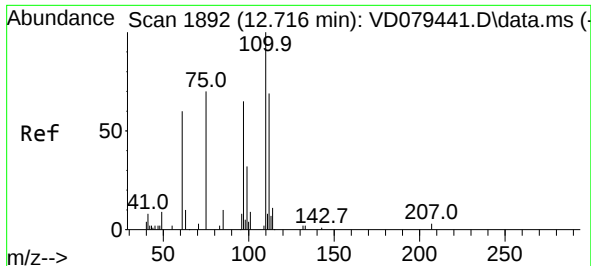
Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43 100	
70 0.0	44.3 66.5#
55 0.0	23.2 34.8#
61 0.0	24.2 36.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.136 ug/l
RT: 12.651 min Scan# 1881
Delta R.T. -0.018 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Tgt Ion: 83	Resp: 55
Ion Ratio	Lower Upper
83 100	
131 0.0	5.5 16.5#
85 0.0	33.8 101.3#

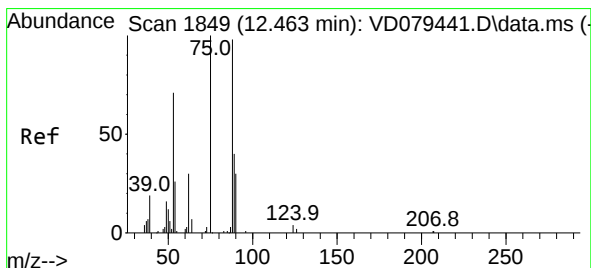
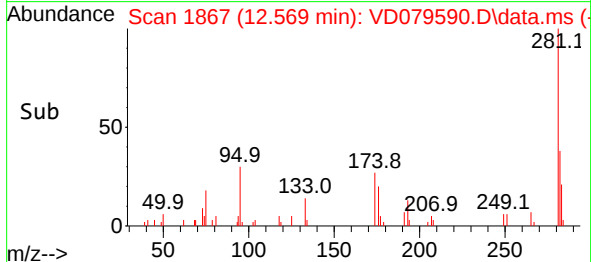
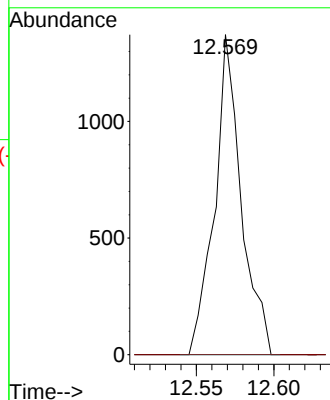
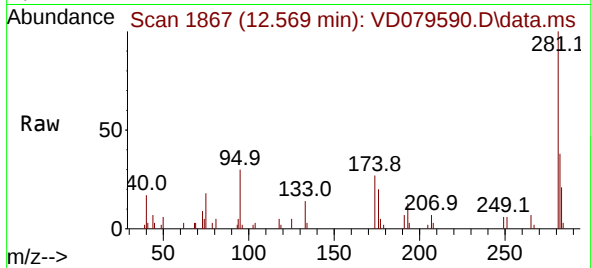




#76
 1,2,3-Trichloropropane
 Concen: 94.432 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD079590.D
 Acq: 05 Aug 2024 19:34

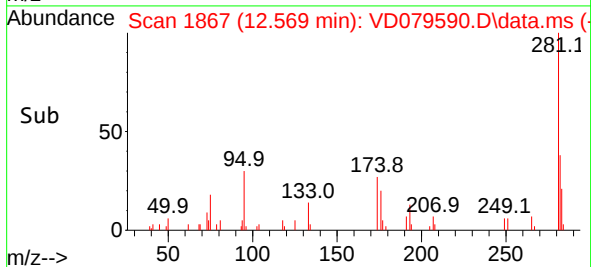
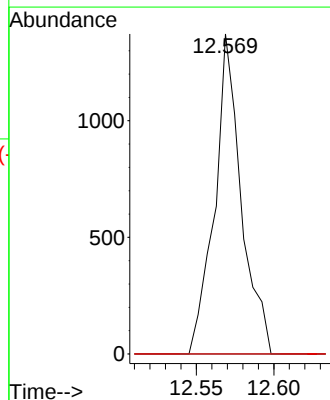
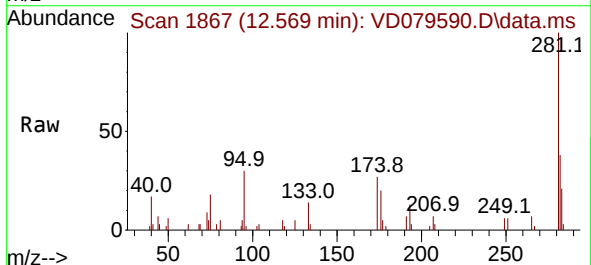
Instrument :
 MSVOA_D
 ClientSampleId :

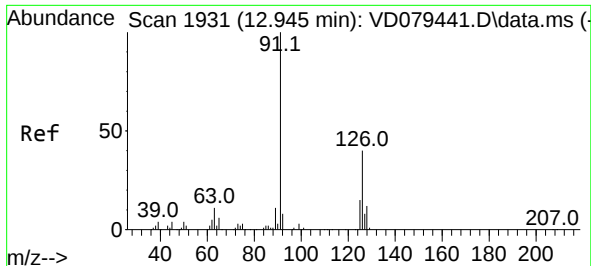
Tgt Ion: 75 Resp: 1636
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 180.107 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.100 min
 Lab File: VD079590.D
 Acq: 05 Aug 2024 19:34

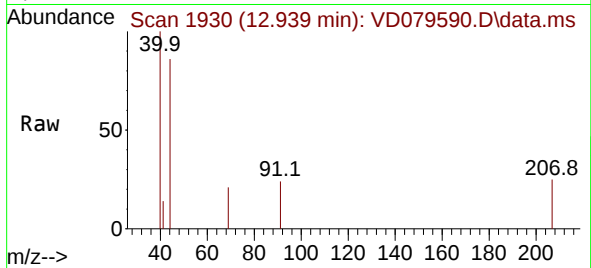
Tgt Ion: 75 Resp: 1636
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.4 92.2#
 89 0.0 35.4 53.0#



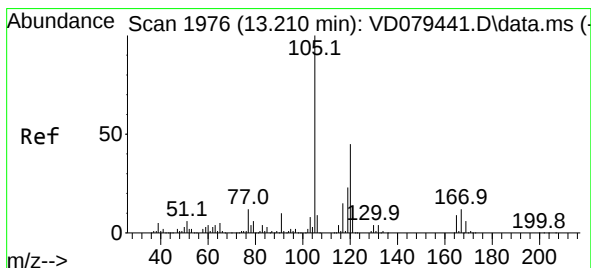
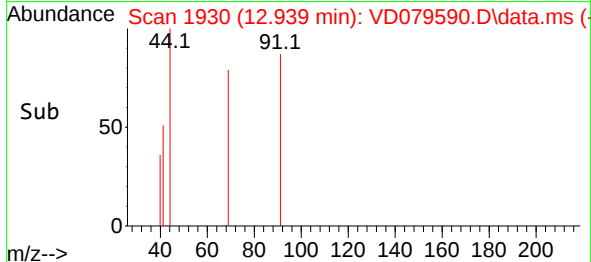
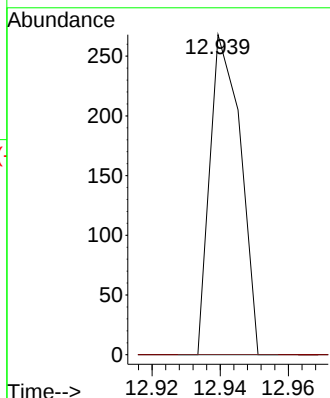


#82
4-Chlorotoluene
Concen: 1.737 ug/l
RT: 12.939 min Scan# 1930
Delta R.T. -0.006 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Instrument :
MSVOA_D
ClientSampleId :

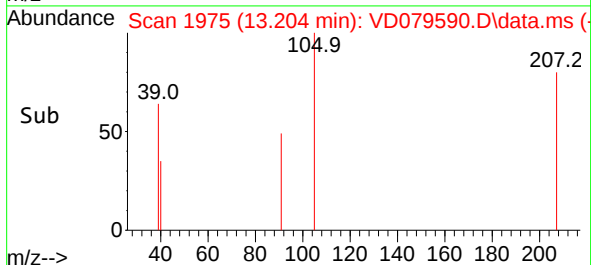
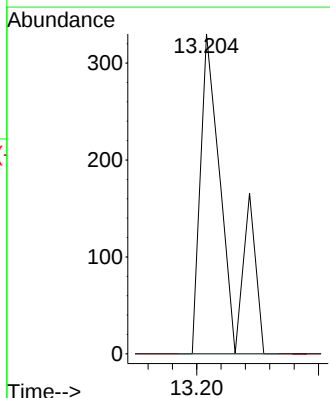
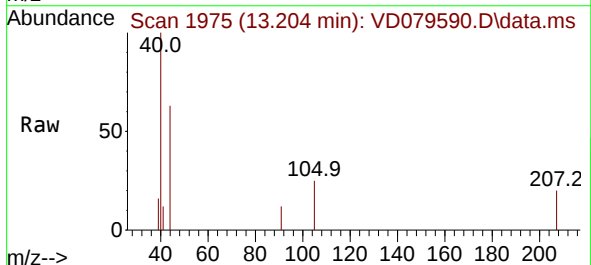


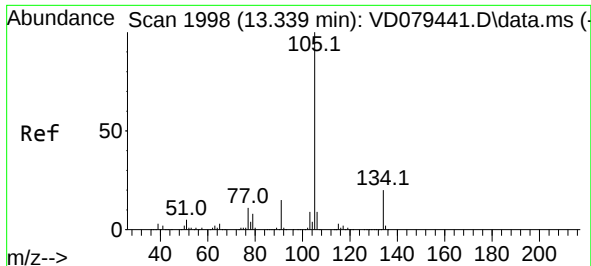
Tgt Ion: 91 Resp: 167
Ion Ratio Lower Upper
91 100
126 0.0 18.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 5.191 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079590.D
Acq: 05 Aug 2024 19:34

Tgt Ion: 105 Resp: 235
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#

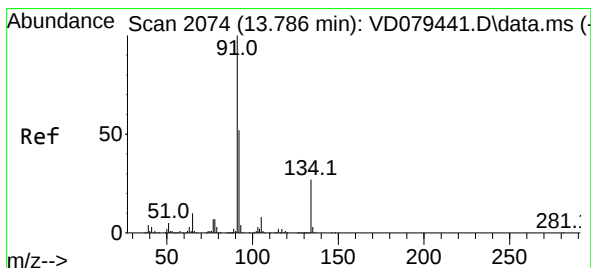
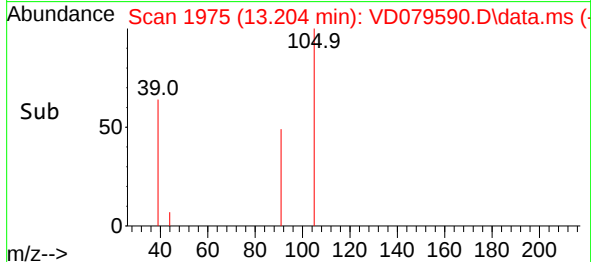
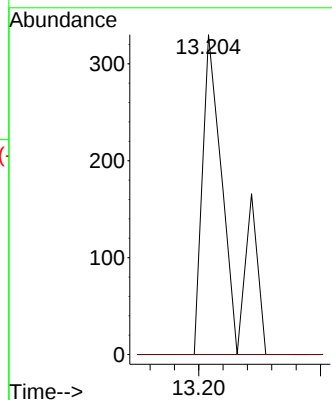
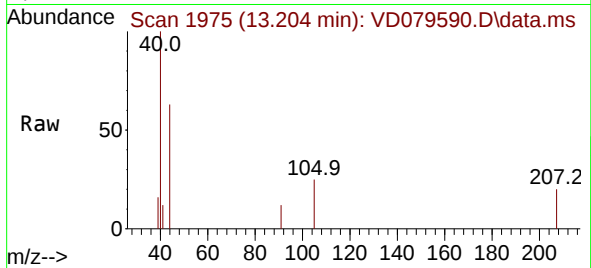




#85
 sec-Butylbenzene
 Concen: 1.600 ug/l
 RT: 13.204 min Scan# 1998
 Delta R.T. -0.136 min
 Lab File: VD079590.D
 Acq: 05 Aug 2024 19:34

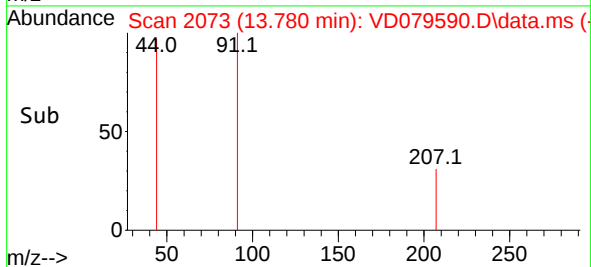
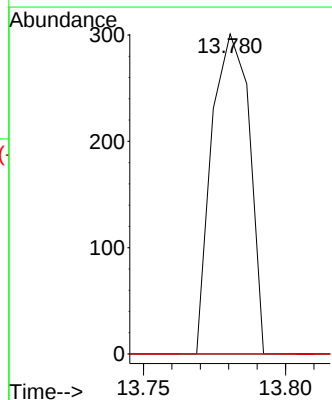
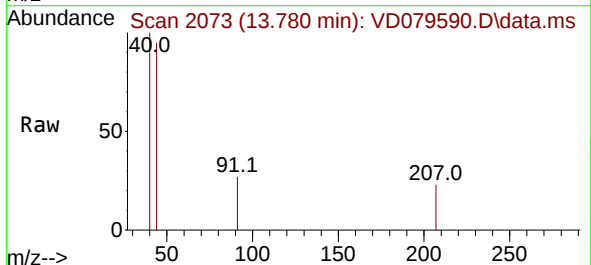
Instrument :
 MSVOA_D
 ClientSampleId :

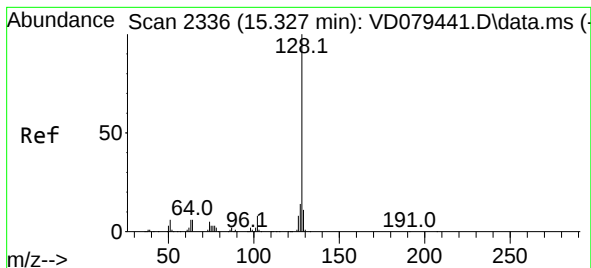
Tgt Ion:105 Resp: 235
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#



#89
 n-Butylbenzene
 Concen: 5.778 ug/l
 RT: 13.780 min Scan# 2073
 Delta R.T. -0.001 min
 Lab File: VD079590.D
 Acq: 05 Aug 2024 19:34

Tgt Ion: 91 Resp: 277
 Ion Ratio Lower Upper
 91 100
 92 0.0 25.7 77.0#
 134 0.0 13.6 40.8#





#95

Naphthalene

Concen: 8.261 ug/l

RT: 15.327 min Scan# 2336

Delta R.T. -0.001 min

Lab File: VD079590.D

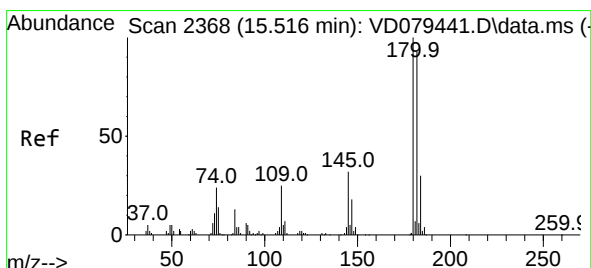
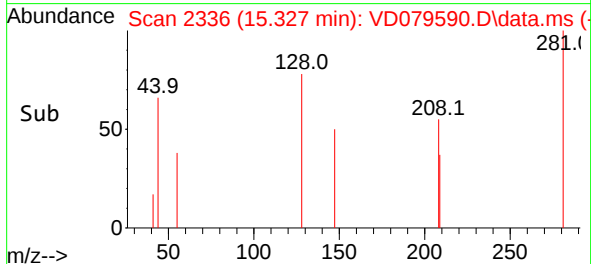
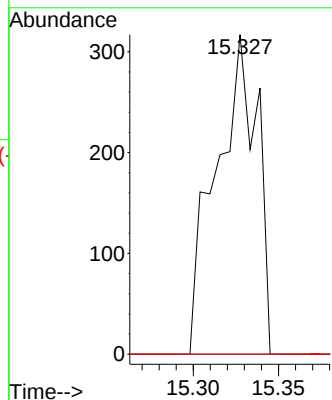
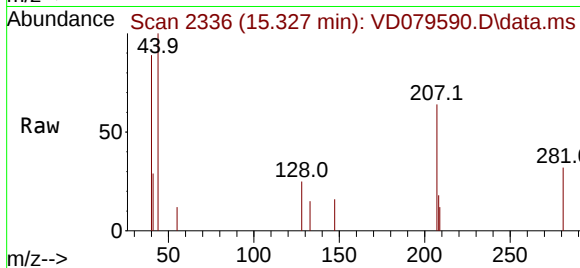
Acq: 05 Aug 2024 19:34

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:128	Resp:	530
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.2 15.4#
129	0.0	8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 1.625 ug/l

RT: 15.510 min Scan# 2367

Delta R.T. -0.012 min

Lab File: VD079590.D

Acq: 05 Aug 2024 19:34

Tgt Ion:180	Resp:	53
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.8 143.3#
145	0.0	16.1 48.2#

