

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD093024\
 Data File : VD079941.D
 Acq On : 30 Sep 2024 17:15
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 01 05:52:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D093024S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 05:47:39 2024
 Response via : Initial Calibration

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

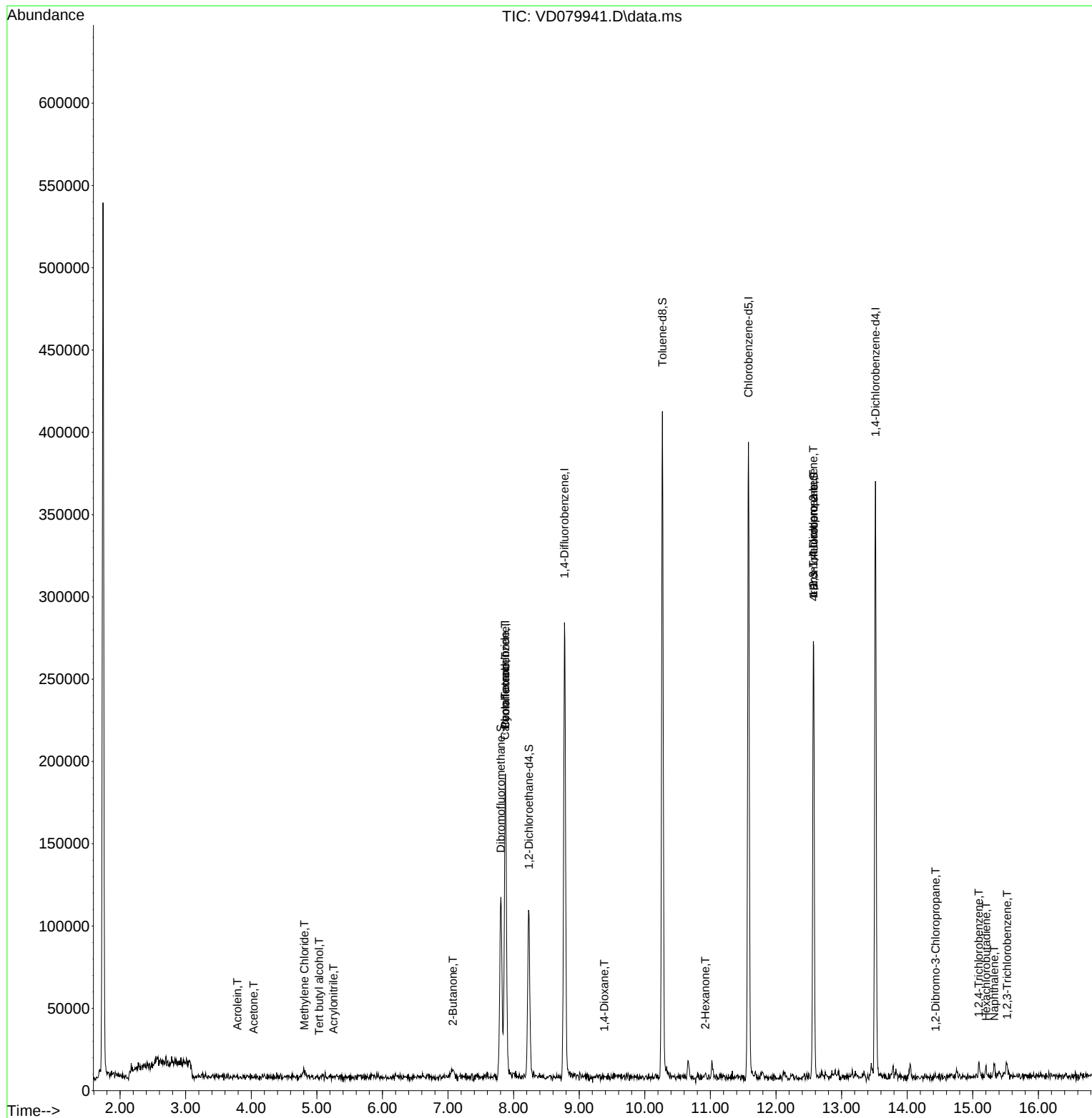
Internal Standards						
1) Pentafluorobenzene	7.875	168	135978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	240294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	218245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	93769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	81246	48.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.460%
35) Dibromofluoromethane	7.805	113	75778	44.845	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.700%
50) Toluene-d8	10.269	98	274061	42.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.740%
62) 4-Bromofluorobenzene	12.575	95	80428	39.312	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	635	7.822	ug/l #	100
13) Acrolein	3.787	56	471	2.968	ug/l #	66
15) Acrylonitrile	5.252	53	473	1.428	ug/l #	15
16) Acetone	4.034	43	456	1.425	ug/l #	43
20) Methylene Chloride	4.811	84	3366	1.773	ug/l #	70
25) 2-Butanone	7.075	43	710	1.742	ug/l #	45
31) Cyclohexane	7.875	56	4194	1.736	ug/l #	52
38) Carbon Tetrachloride	7.869	117	14315	5.555	ug/l #	19
49) 1,4-Dioxane	9.381	88	71	6.824	ug/l #	1
59) 2-Hexanone	10.922	43	1226	1.836	ug/l	87
76) 1,2,3-Trichloropropane	12.569	75	41809	57.529	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	41809	95.182	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.434	75	379	1.867	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.092	180	2109	1.167	ug/l #	89
94) Hexachlorobutadiene	15.204	225	1027	1.112	ug/l	86
95) Naphthalene	15.328	128	5685	1.817	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	2656	1.708	ug/l	96

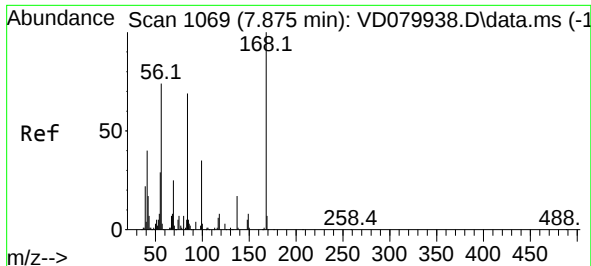
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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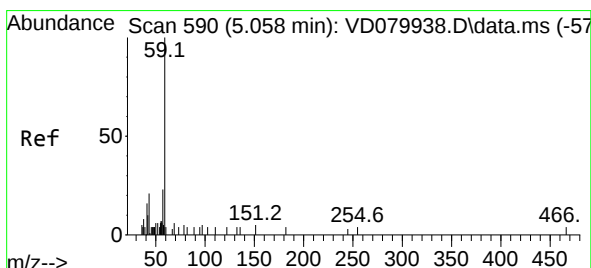
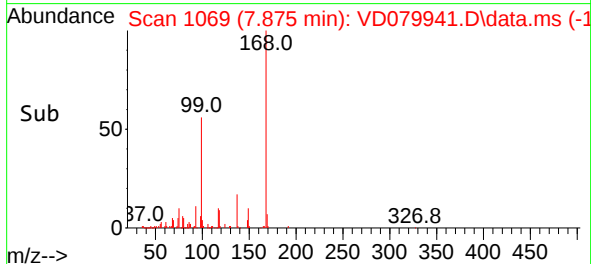
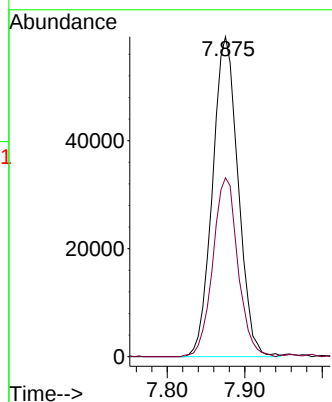
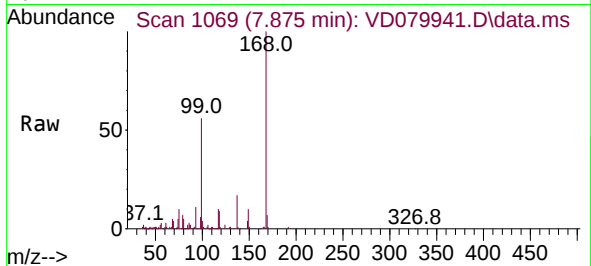




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

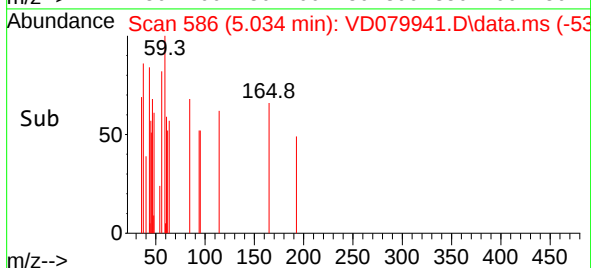
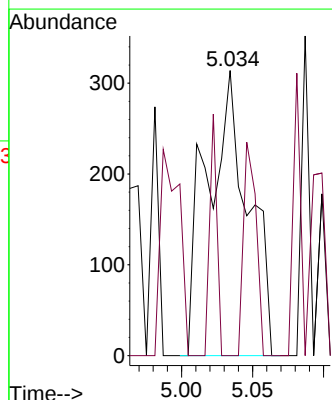
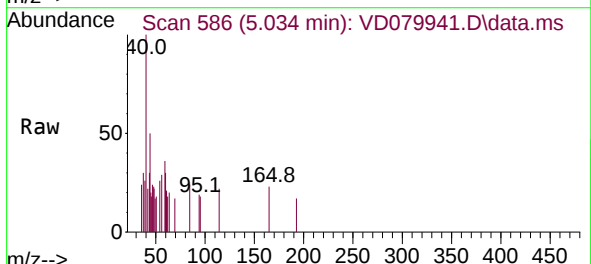
Instrument :
MSVOA_D
ClientSampleId :

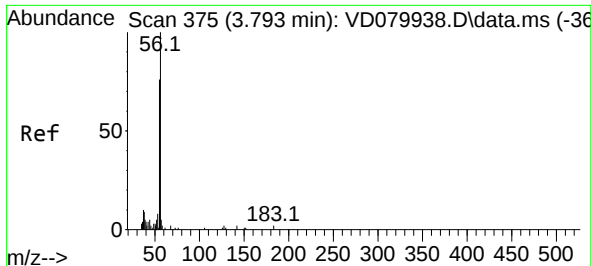
Tgt Ion:168 Resp: 135978
Ion Ratio Lower Upper
168 100
99 55.9 44.8 67.2



#11
Tert butyl alcohol
Concen: 7.822 ug/l
RT: 5.034 min Scan# 586
Delta R.T. -0.024 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 23.0 0.0 0.0#

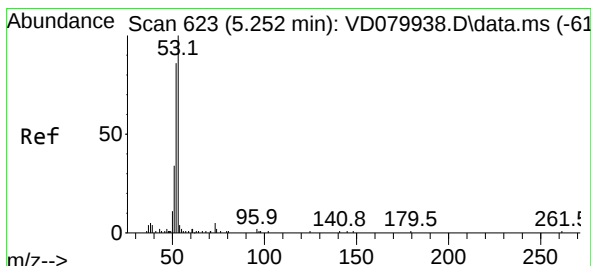
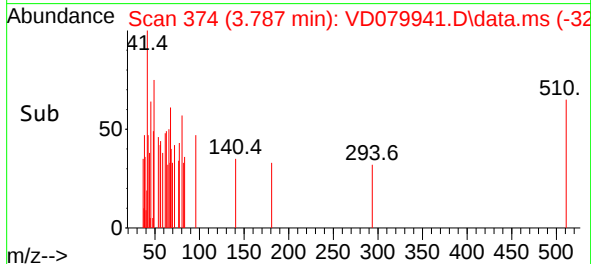
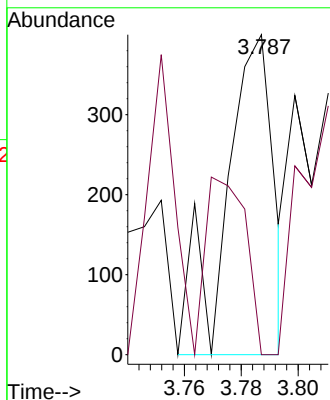
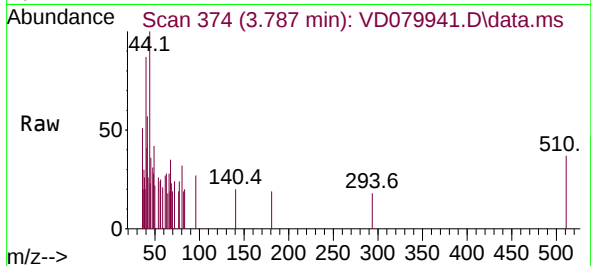




#13
Acrolein
Concen: 2.968 ug/l
RT: 3.787 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

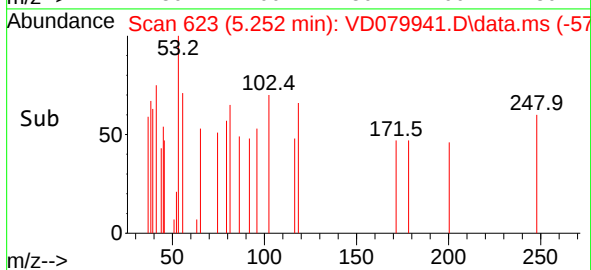
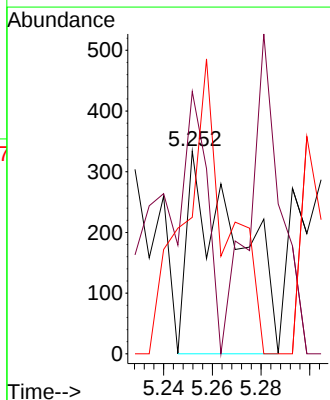
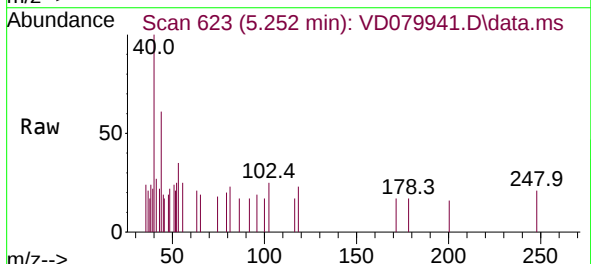
Instrument :
MSVOA_D
ClientSampleId :

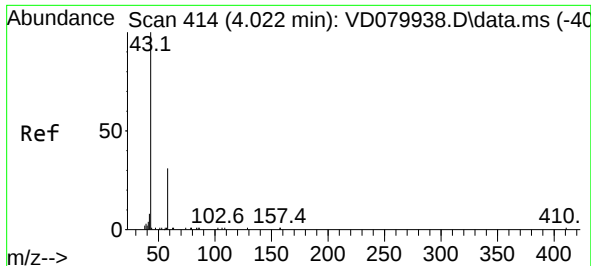
Tgt Ion: 56 Resp: 471
Ion Ratio Lower Upper
56 100
55 46.1 60.3 90.5#



#15
Acrylonitrile
Concen: 1.428 ug/l
RT: 5.252 min Scan# 623
Delta R.T. -0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion: 53 Resp: 473
Ion Ratio Lower Upper
53 100
52 143.1 68.9 103.3#
51 124.9 32.7 49.1#

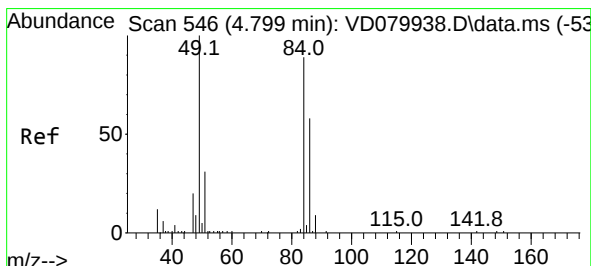
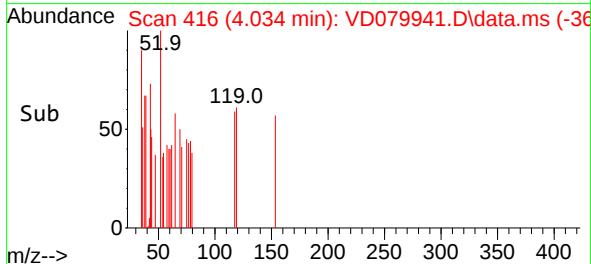
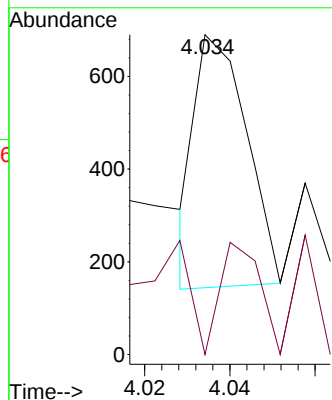
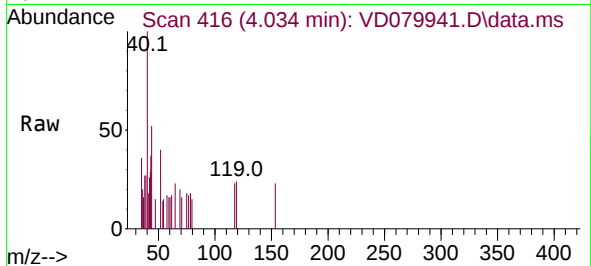




#16
Acetone
Concen: 1.425 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

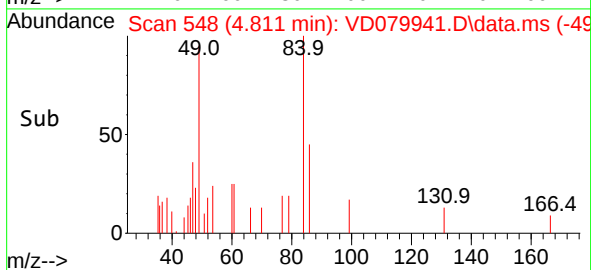
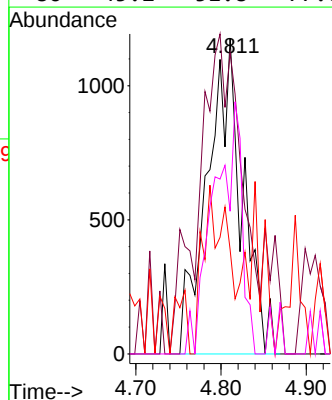
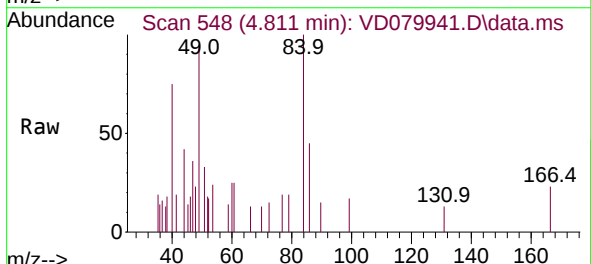
Instrument :
MSVOA_D
ClientSampleId :

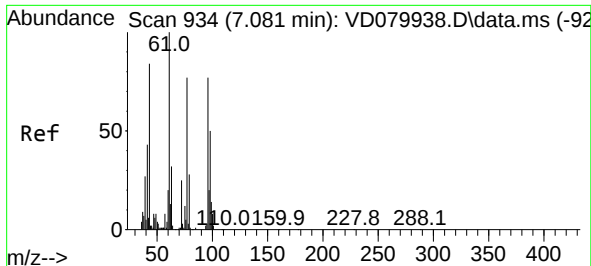
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#20
Methylene Chloride
Concen: 1.773 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion: 84 Resp: 3366
Ion Ratio Lower Upper
84 100
49 75.7 89.0 133.4#
51 18.9 28.2 42.2#
86 45.2 51.8 77.6#

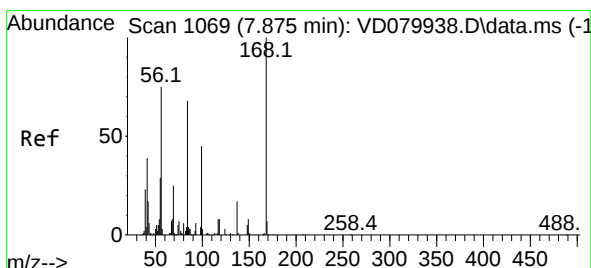
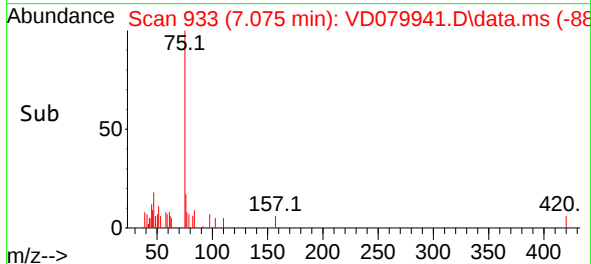
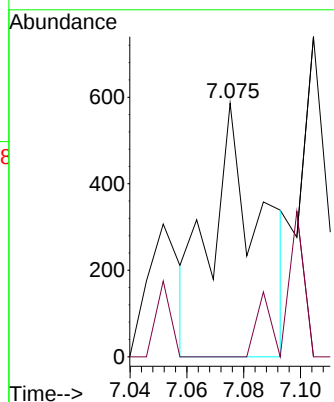
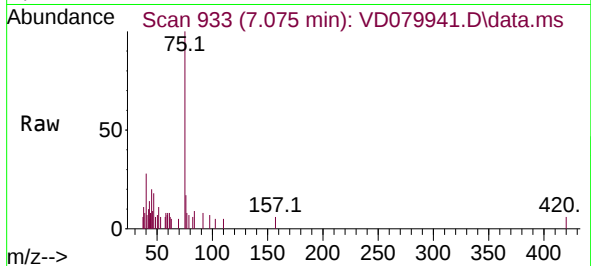




#25
2-Butanone
Concen: 1.742 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

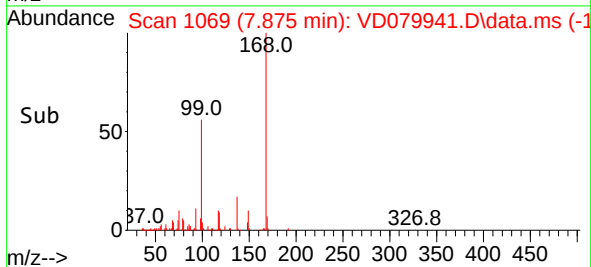
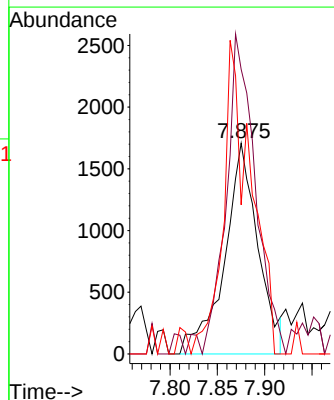
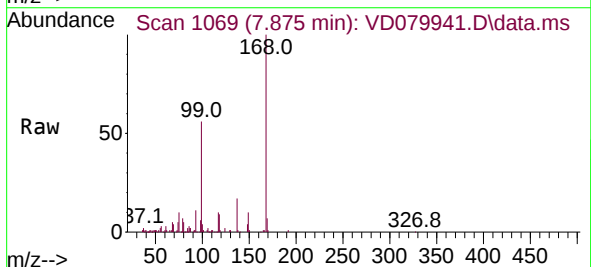
Instrument :
MSVOA_D
ClientSampleId :

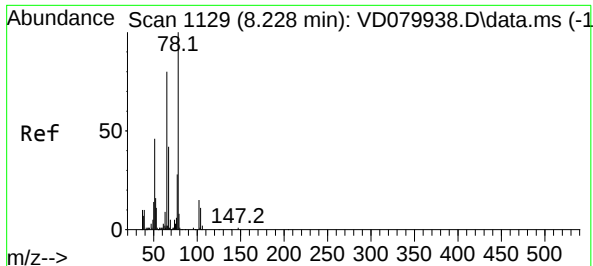
Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
72 0.0 23.4 35.0#



#31
Cyclohexane
Concen: 1.736 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion: 56 Resp: 4194
Ion Ratio Lower Upper
56 100
69 126.2 27.0 40.6#
84 85.1 72.9 109.3





#33

1,2-Dichloroethane-d4

Concen: 48.229 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079941.D

Acq: 30 Sep 2024 17:15

Instrument :

MSVOA_D

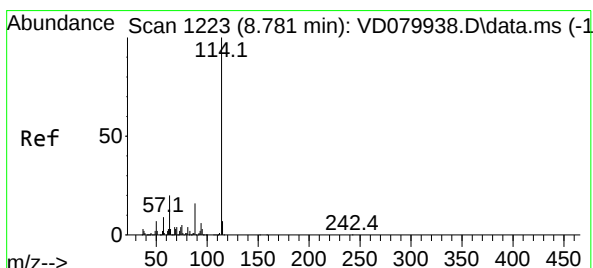
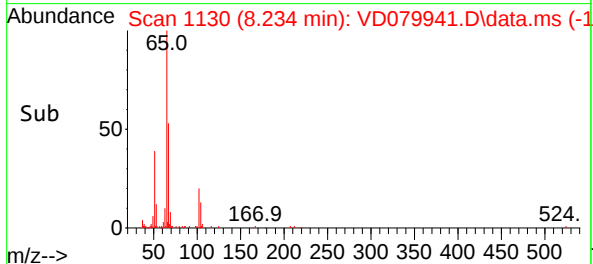
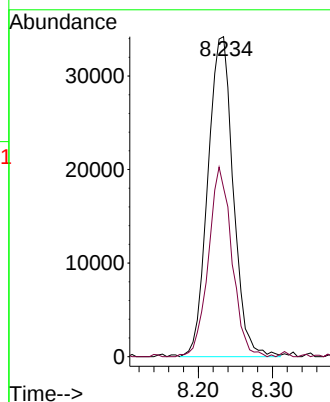
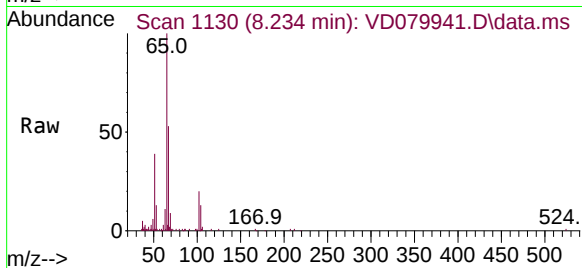
ClientSampleId :

Tgt Ion: 65 Resp: 81246

Ion Ratio Lower Upper

65 100

67 55.0 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD079941.D

Acq: 30 Sep 2024 17:15

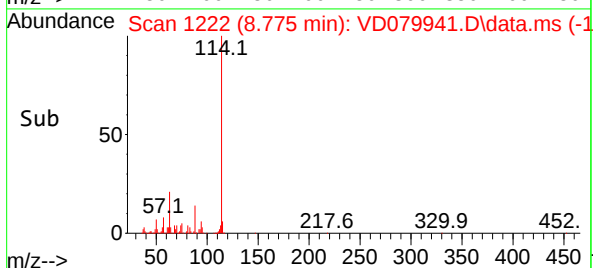
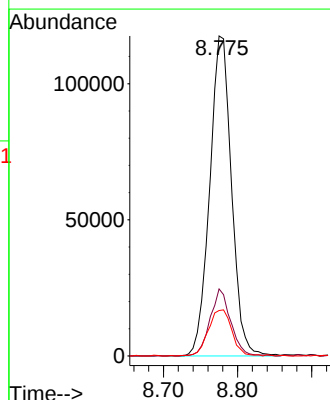
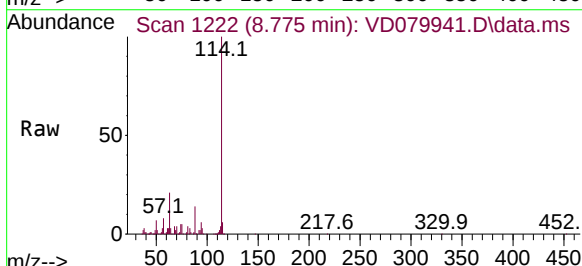
Tgt Ion: 114 Resp: 240294

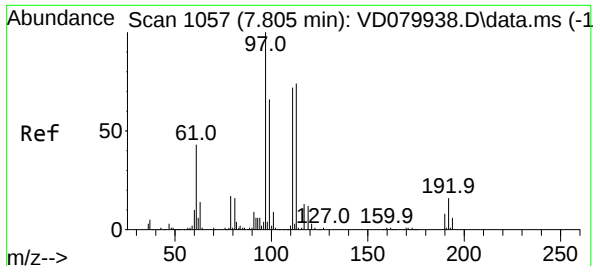
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.2

88 14.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 44.845 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079941.D

Acq: 30 Sep 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

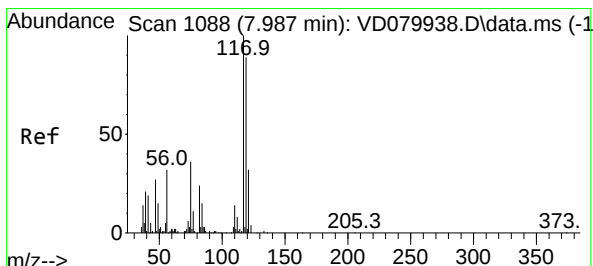
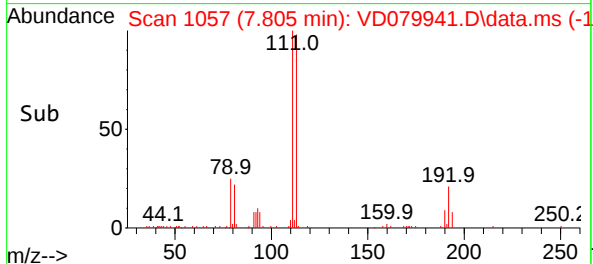
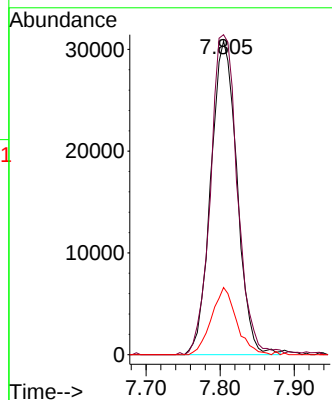
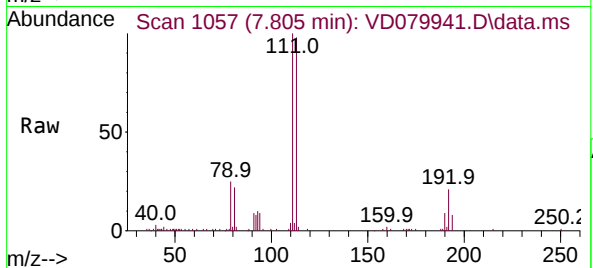
Tgt Ion:113 Resp: 75778

Ion Ratio Lower Upper

113 100

111 105.4 82.8 124.2

192 20.6 16.9 25.3



#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD079941.D

Acq: 30 Sep 2024 17:15

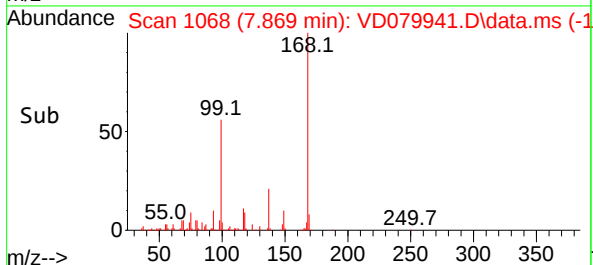
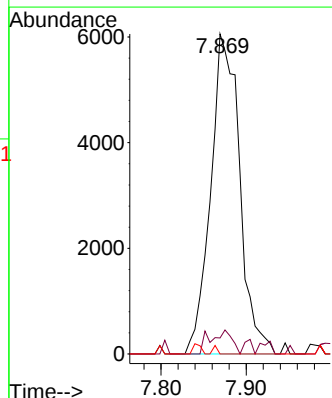
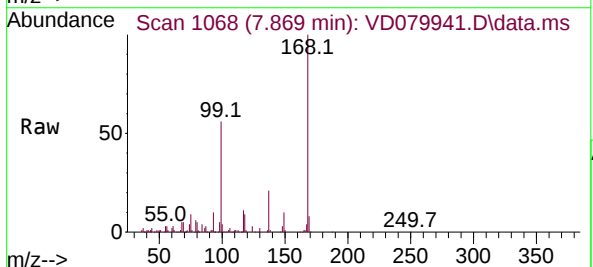
Tgt Ion:117 Resp: 14315

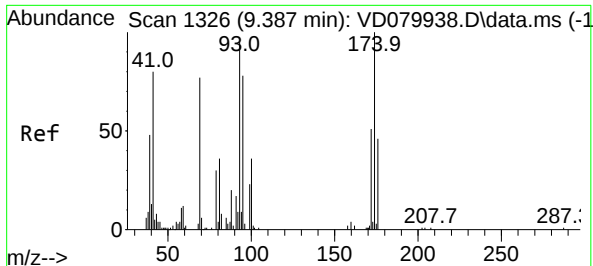
Ion Ratio Lower Upper

117 100

119 5.0 71.4 107.0#

121 0.0 25.3 37.9#

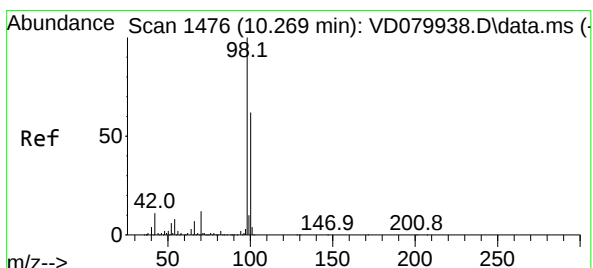
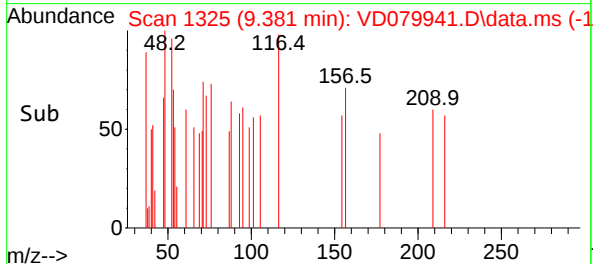
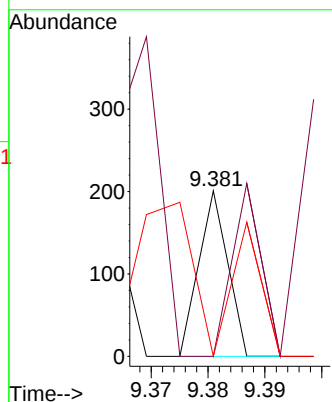
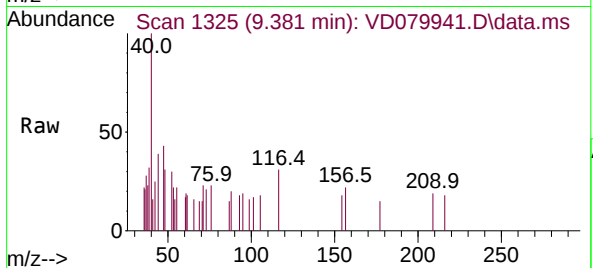




#49
1,4-Dioxane
Concen: 6.824 ug/l
RT: 9.381 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

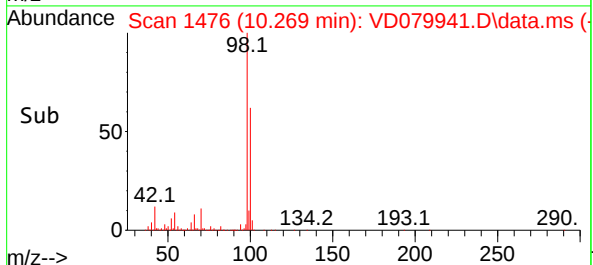
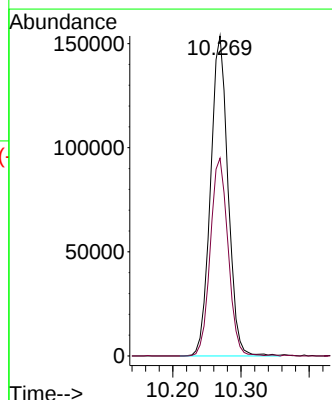
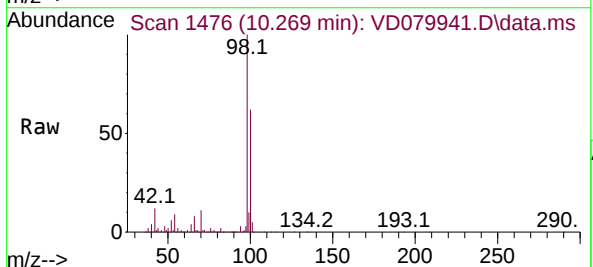
Instrument :
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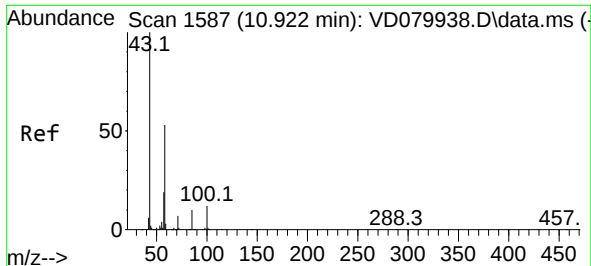
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 416.9 23.1 34.7#
58 345.1 60.7 91.1#



#50
Toluene-d8
Concen: 42.368 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion: 98 Resp: 274061
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7

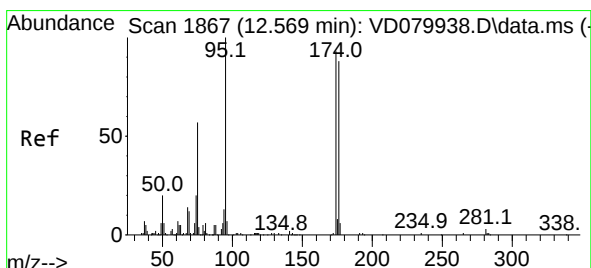
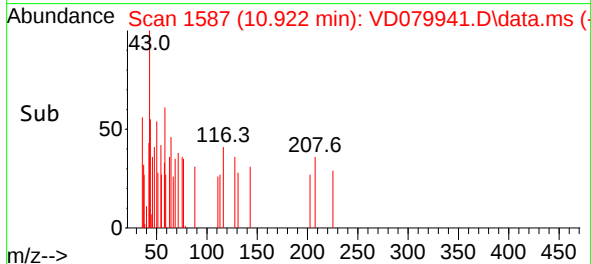
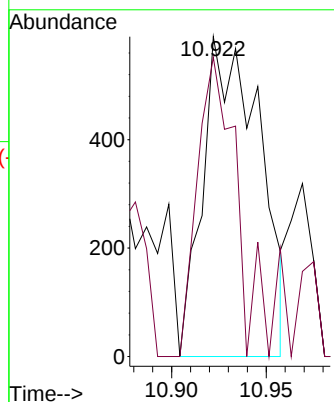
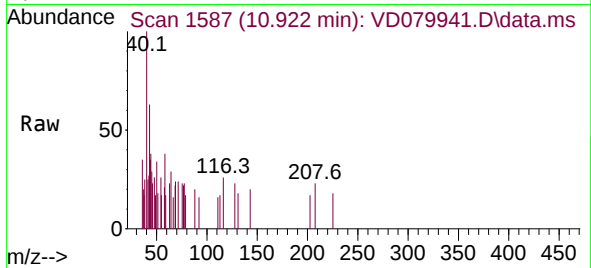




#59
2-Hexanone
Concen: 1.836 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

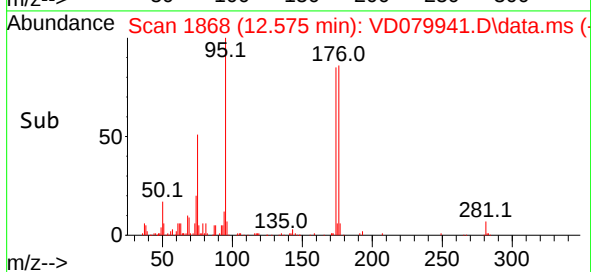
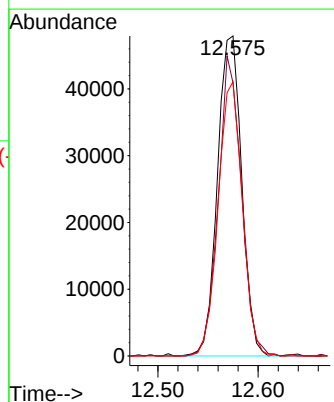
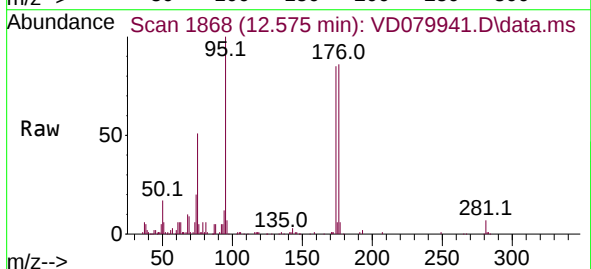
Instrument :
MSVOA_D
ClientSampleId :

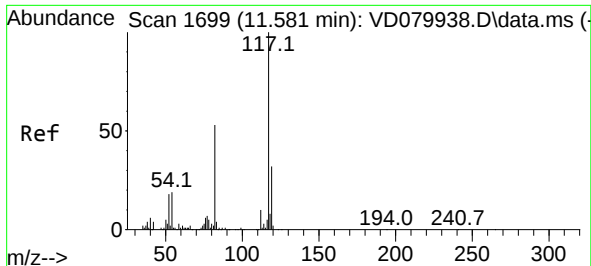
Tgt Ion: 43 Resp: 1226
Ion Ratio Lower Upper
43 100
58 64.6 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 39.312 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion: 95 Resp: 80428
Ion Ratio Lower Upper
95 100
174 89.7 0.0 182.0
176 85.4 0.0 174.0

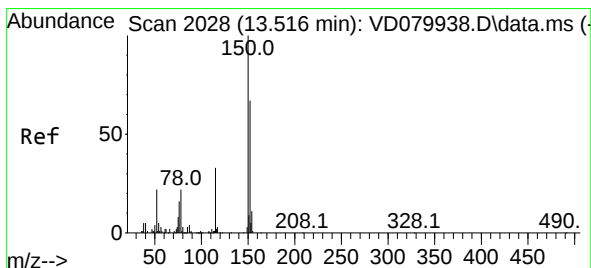
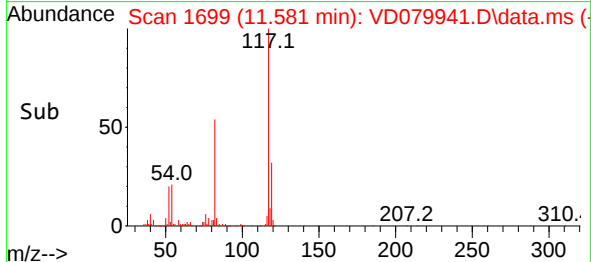
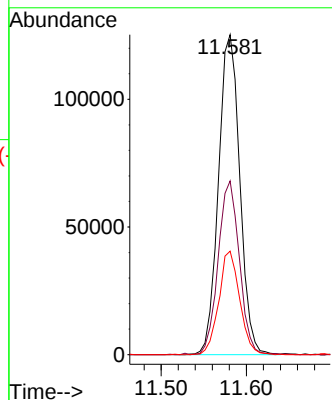
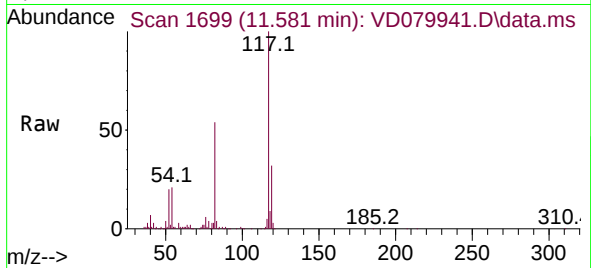




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

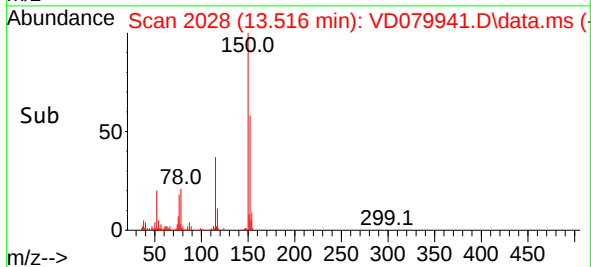
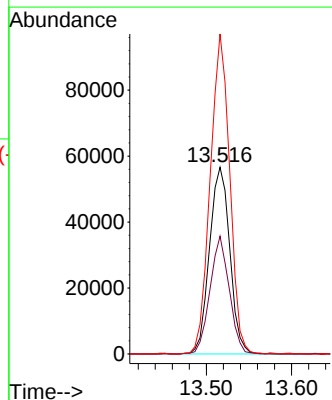
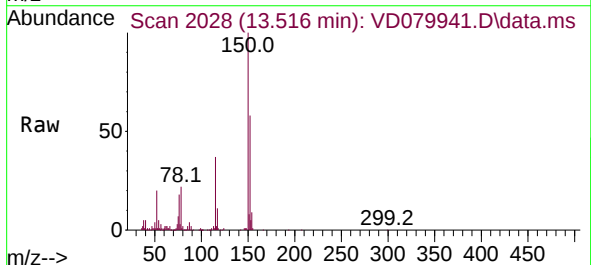
Instrument :
MSVOA_D
ClientSampleId :

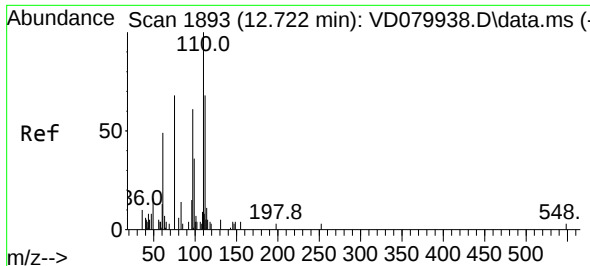
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.1	63.1
119	32.4	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.0	87.1
150	164.3	0.0	347.6

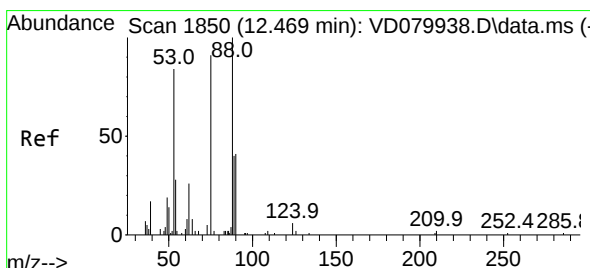
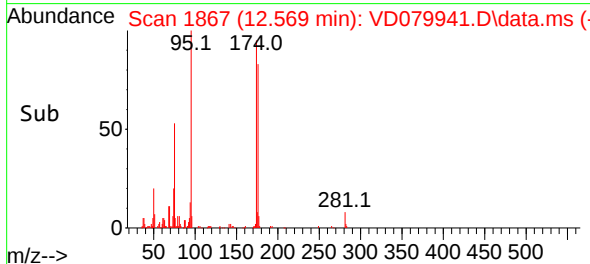
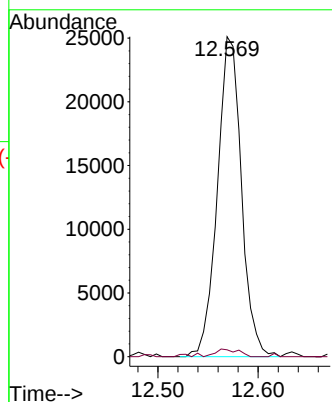
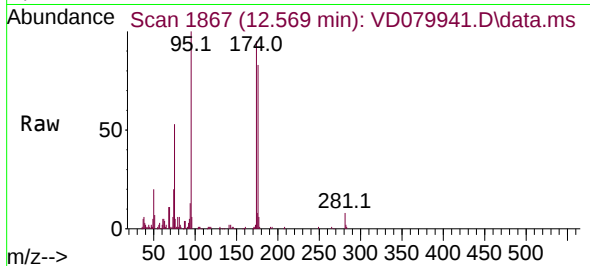




#76
1,2,3-Trichloropropane
Concen: 57.529 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

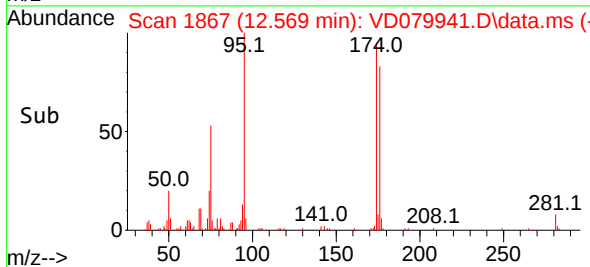
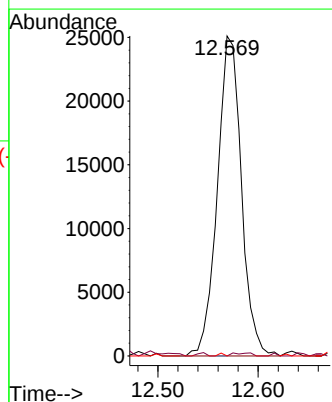
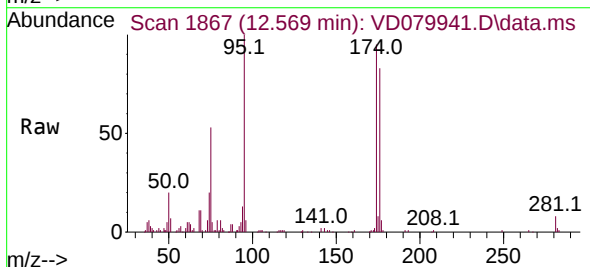
Instrument :
MSVOA_D
ClientSampleId :

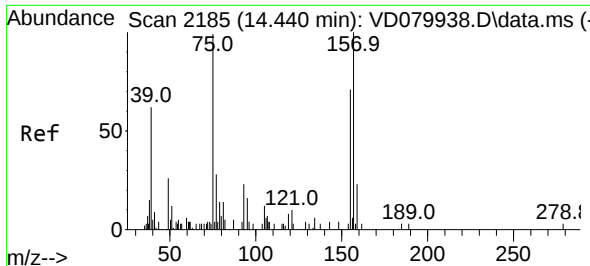
Tgt Ion: 75 Resp: 41809
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.182 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

Tgt Ion: 75 Resp: 41809
Ion Ratio Lower Upper
75 100
53 0.0 73.7 110.5#
89 0.2 37.4 56.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.867 ug/l

RT: 14.434 min Scan# 2185

Delta R.T. -0.006 min

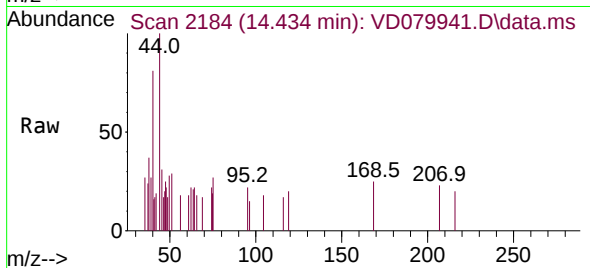
Lab File: VD079941.D

Acq: 30 Sep 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :



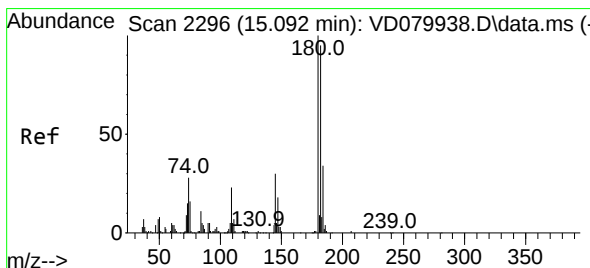
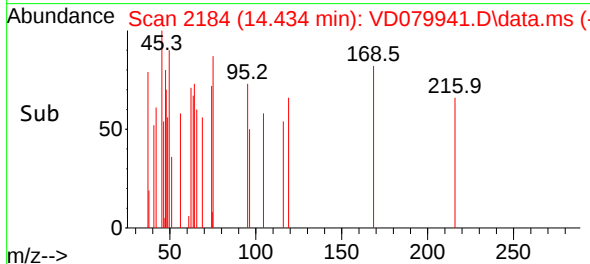
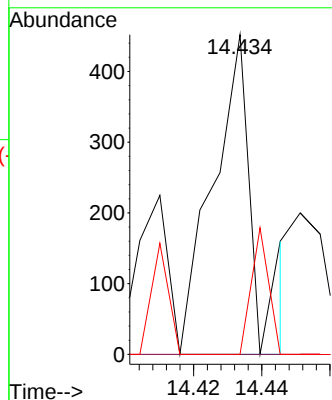
Tgt Ion: 75 Resp: 379

Ion Ratio Lower Upper

75 100

155 0.0 44.4 133.1#

157 16.6 56.0 168.2#



#93

1,2,4-Trichlorobenzene

Concen: 1.167 ug/l

RT: 15.092 min Scan# 2296

Delta R.T. -0.000 min

Lab File: VD079941.D

Acq: 30 Sep 2024 17:15

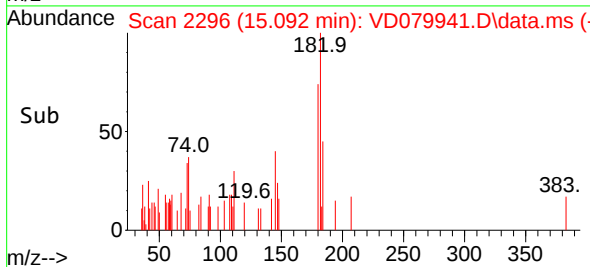
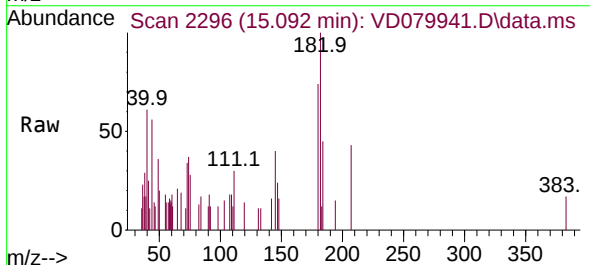
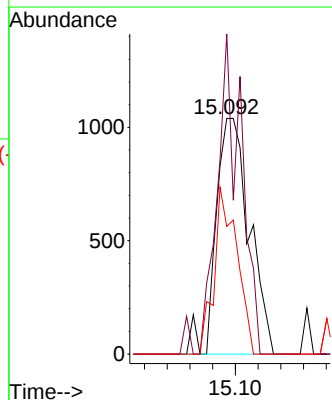
Tgt Ion: 180 Resp: 2109

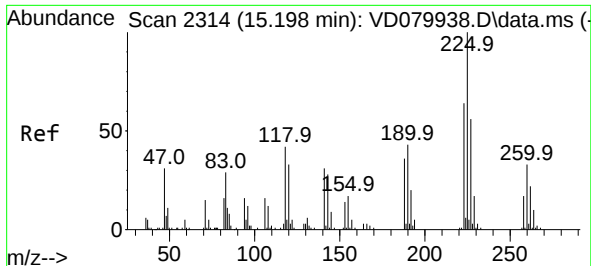
Ion Ratio Lower Upper

180 100

182 98.0 47.3 141.8

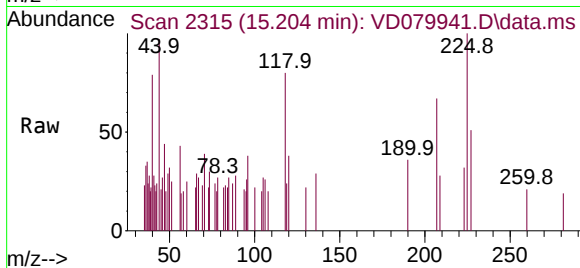
145 48.5 15.0 45.0#



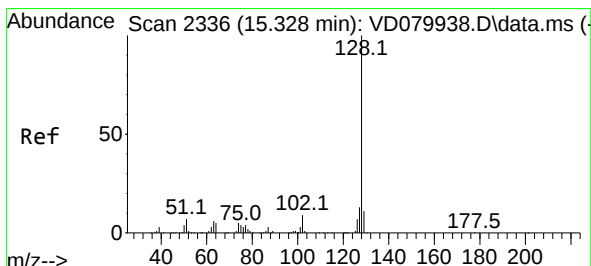
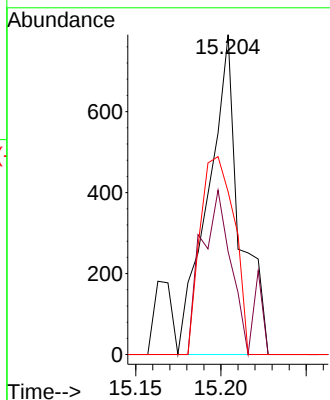
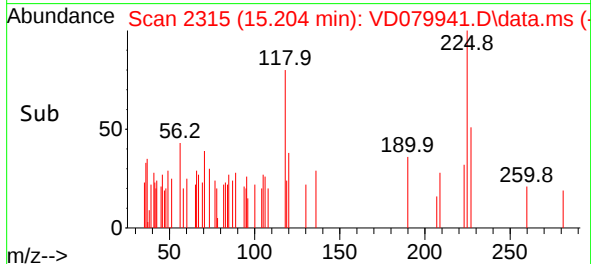


#94
Hexachlorobutadiene
Concen: 1.112 ug/l
RT: 15.204 min Scan# 211
Delta R.T. 0.006 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15

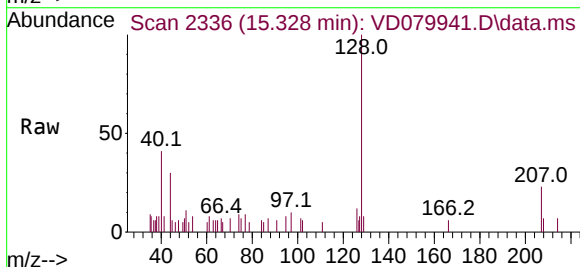
Instrument :
MSVOA_D
ClientSampleId :



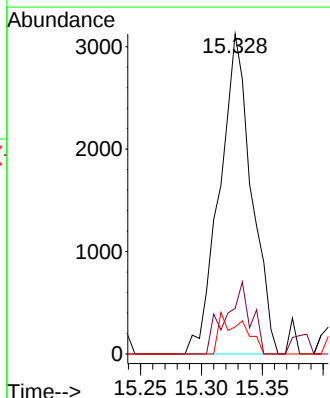
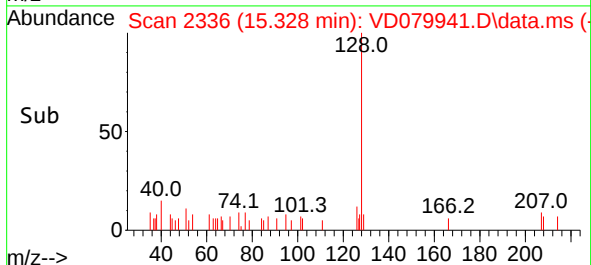
Tgt Ion:225 Resp: 1027
Ion Ratio Lower Upper
225 100
223 47.1 30.6 92.0
227 66.3 29.8 89.3

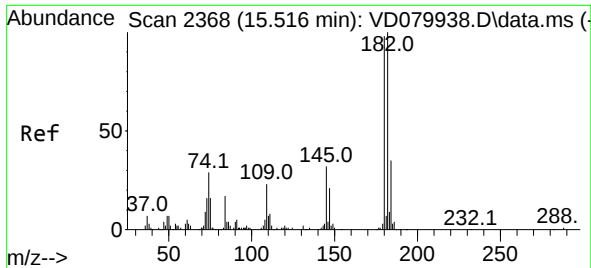


#95
Naphthalene
Concen: 1.817 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD079941.D
Acq: 30 Sep 2024 17:15



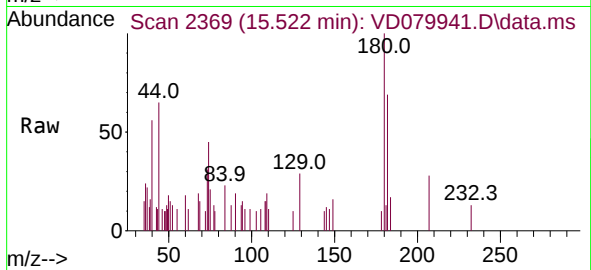
Tgt Ion:128 Resp: 5685
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 8.4 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.708 ug/l
 RT: 15.522 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD079941.D
 Acq: 30 Sep 2024 17:15

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	2656
Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.6	142.8
145	32.9	15.1	45.3

