

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080924\
 Data File : VD079695.D
 Acq On : 09 Aug 2024 16:08
 Operator : RP/MD
 Sample : P3484-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 02:11:26 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)

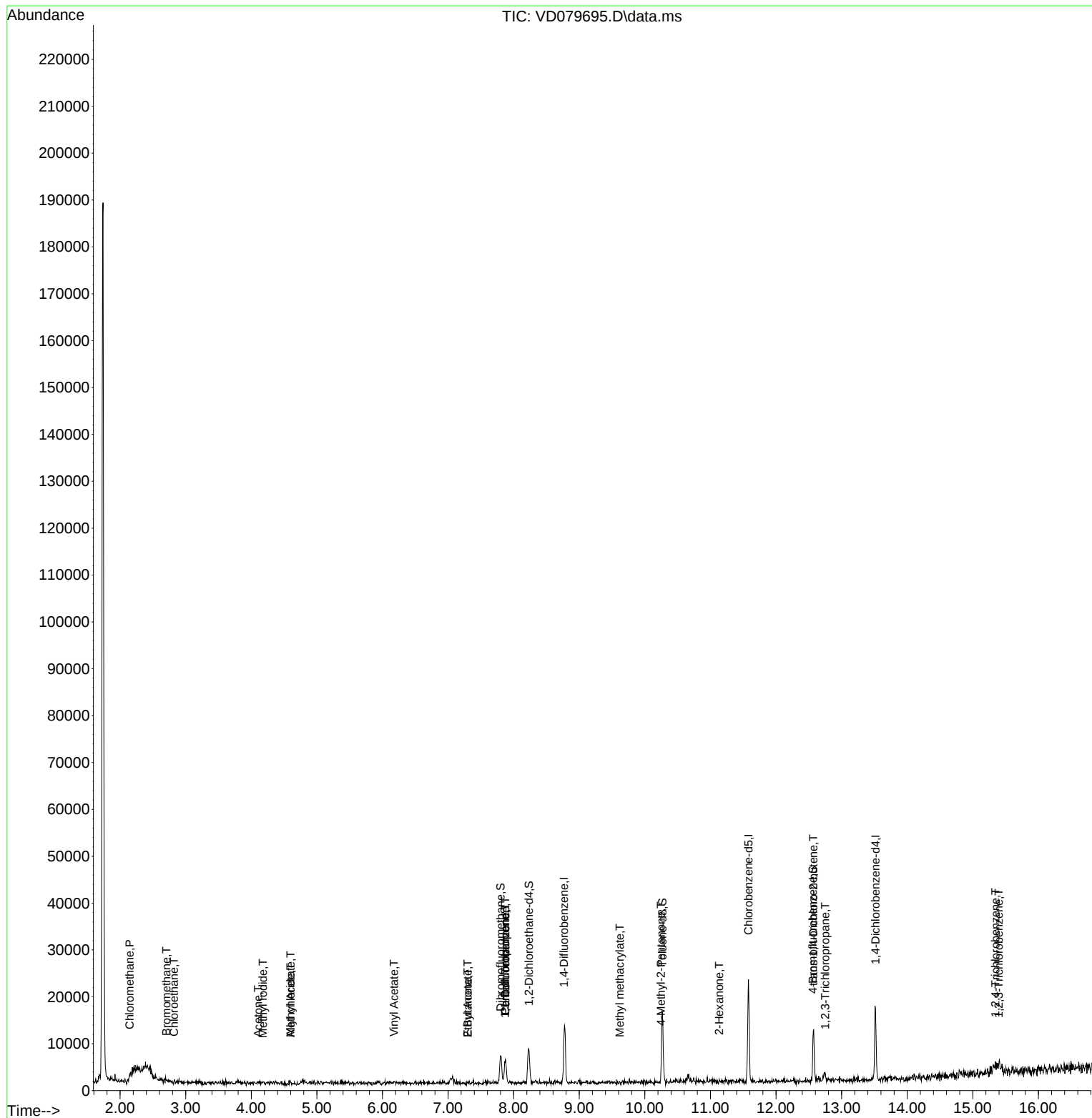
Internal Standards						
1) Pentafluorobenzene	7.875	168	4802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	12417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	12454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	5185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	5900	120.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	241.880%#
35) Dibromofluoromethane	7.799	113	4621	54.983	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.960%
50) Toluene-d8	10.269	98	11972	36.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	73.360%
62) 4-Bromofluorobenzene	12.563	95	3975	42.088	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	121	1.745	ug/l #	40
5) Bromomethane	2.705	94	491	7.181	ug/l	99
6) Chloroethane	2.822	64	75	1.416	ug/l #	44
10) Methyl Iodide	4.175	142	151	3.151	ug/l #	84
14) Allyl chloride	4.599	41	108	1.576	ug/l #	17
16) Acetone	4.105	43	57	6.012	ug/l #	37
18) Methyl Acetate	4.599	43	61	2.072	ug/l #	40
20) Methylene Chloride	4.787	84	68	Below Cal	#	15
23) Vinyl Acetate	6.175	43	118	1.030	ug/l #	63
25) 2-Butanone	7.299	43	54	4.018	ug/l #	42
36) 1,1-Dichloropropene	7.869	75	207	1.805	ug/l #	39
37) Ethyl Acetate	7.299	43	54	1.148	ug/l #	64
38) Carbon Tetrachloride	7.875	117	499	4.138	ug/l #	13
48) Methyl methacrylate	9.616	41	56	1.416	ug/l #	2
51) 4-Methyl-2-Pentanone	10.246	43	61	1.352	ug/l #	31
59) 2-Hexanone	11.134	43	55	1.747	ug/l #	19
76) 1,2,3-Trichloropropane	12.751	75	74	1.633	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	2123	89.341	ug/l #	19
93) 1,2,4-Trichlorobenzene	15.345	180	214	2.207	ug/l #	13
96) 1,2,3-Trichlorobenzene	15.398	180	257	3.013	ug/l #	12

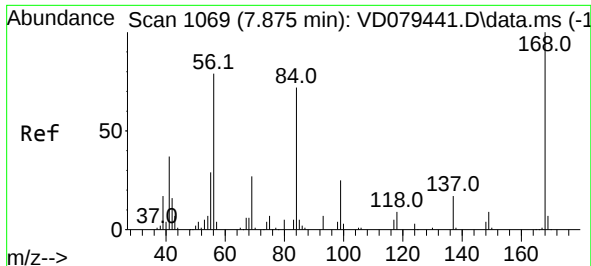
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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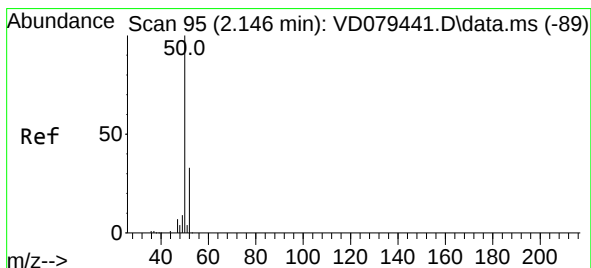
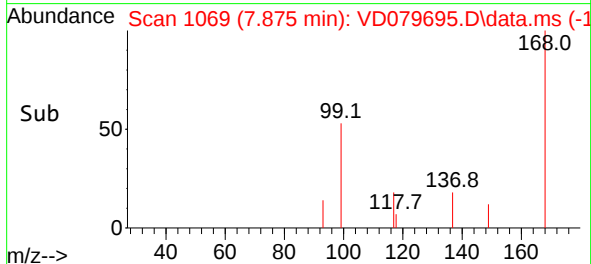
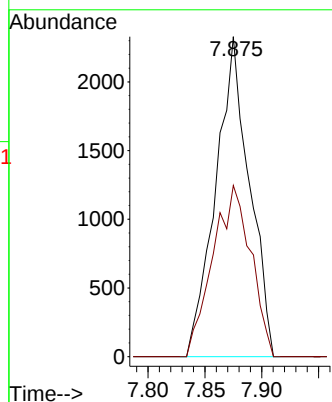
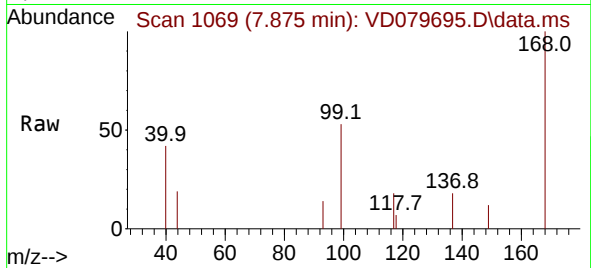




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

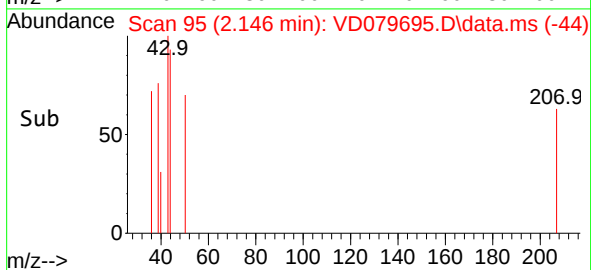
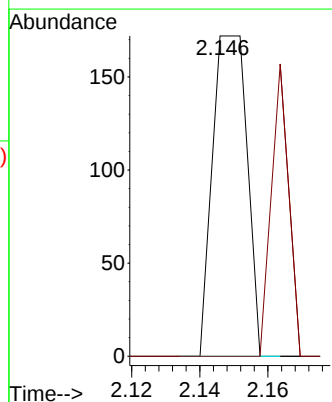
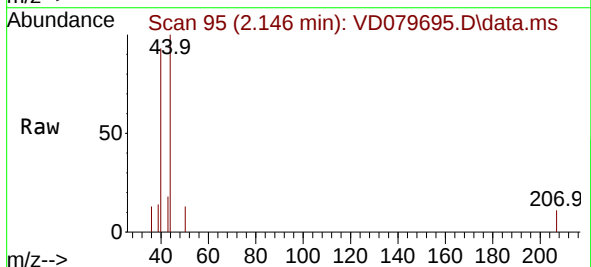
Instrument :
MSVOA_D
ClientSampleId :

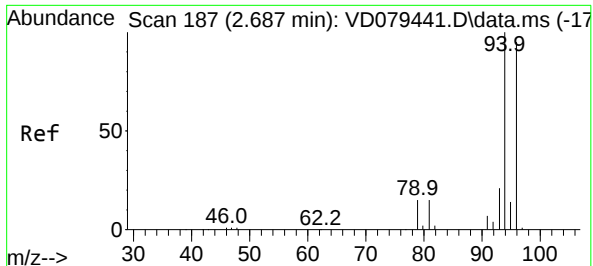
Tgt Ion:168 Resp: 4802
Ion Ratio Lower Upper
168 100
99 53.5 41.1 61.7



#3
Chloromethane
Concen: 1.745 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

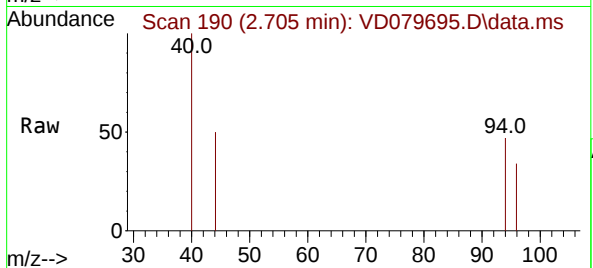
Tgt Ion: 50 Resp: 121
Ion Ratio Lower Upper
50 100
52 0.0 28.2 42.2#



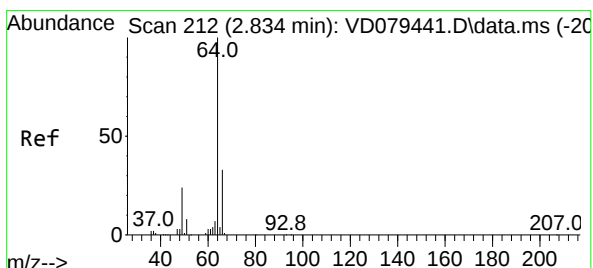
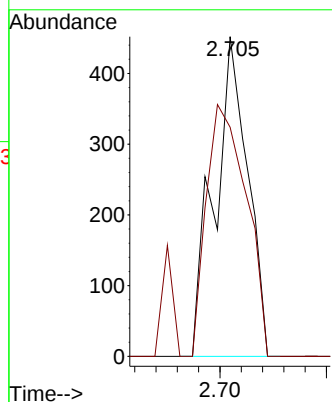
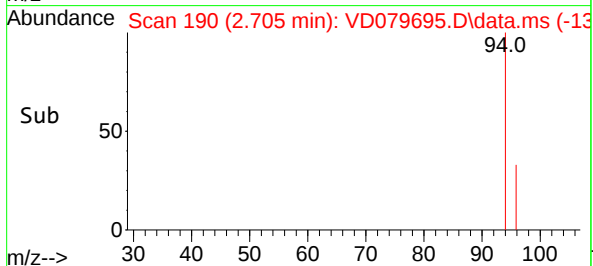


#5
Bromomethane
Concen: 7.181 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

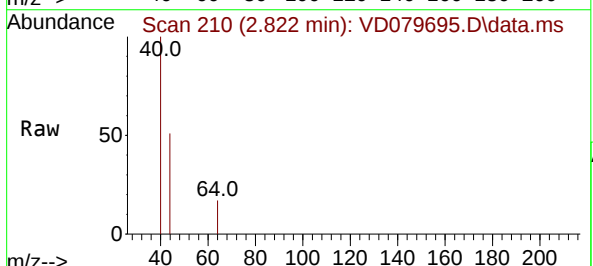
Instrument :
MSVOA_D
ClientSampleId :



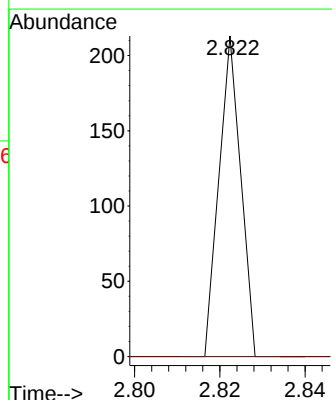
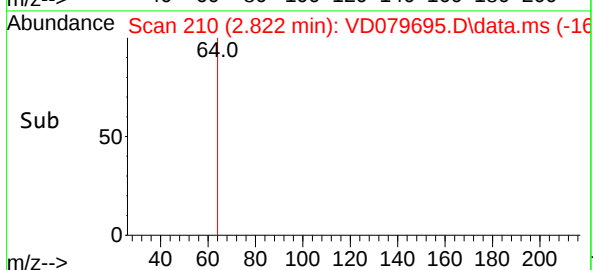
Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 94.9 76.9 115.3

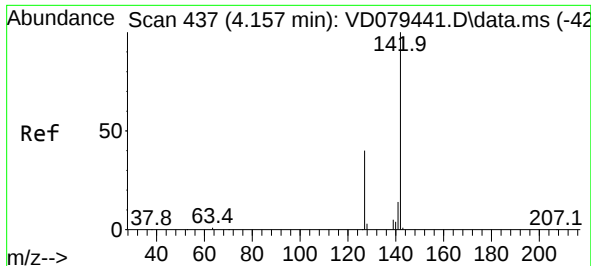


#6
Chloroethane
Concen: 1.416 ug/l
RT: 2.822 min Scan# 210
Delta R.T. -0.006 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08



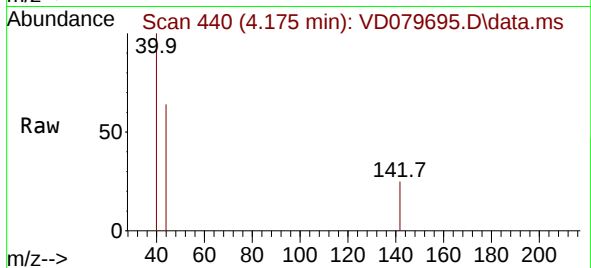
Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 0.0 24.5 36.7#



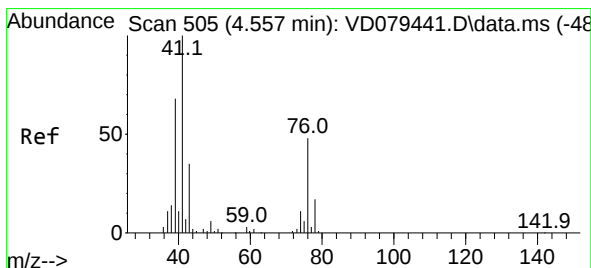
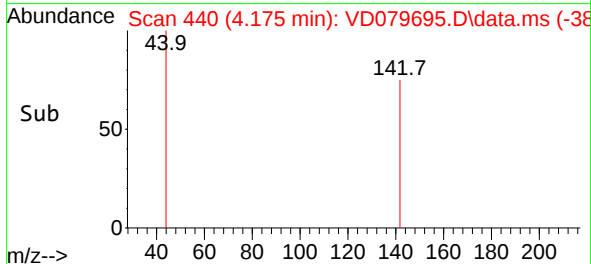
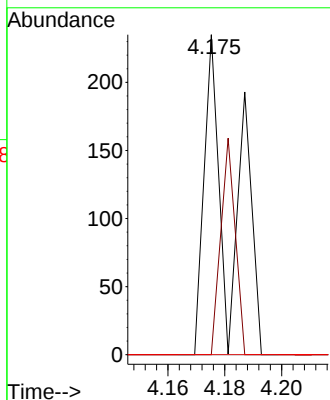


#10
Methyl Iodide
Concen: 3.151 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.023 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Instrument :
MSVOA_D
ClientSampleId :

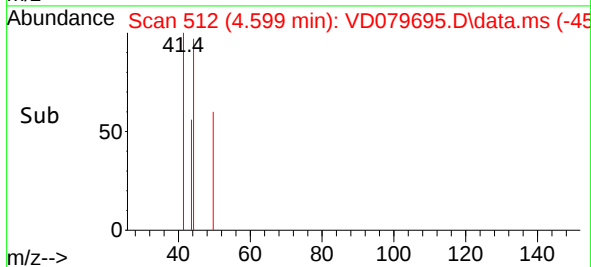
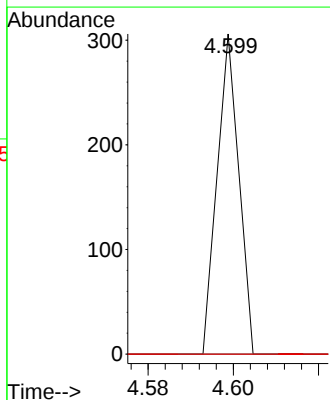
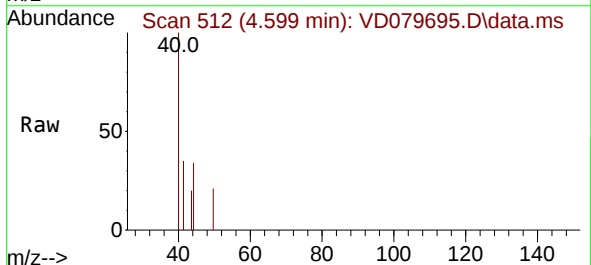


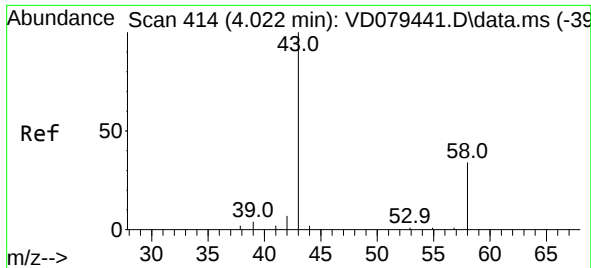
Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 37.1 34.2 51.4
141 0.0 11.7 17.5#



#14
Allyl chloride
Concen: 1.576 ug/l
RT: 4.599 min Scan# 512
Delta R.T. 0.047 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Tgt Ion: 41 Resp: 108
Ion Ratio Lower Upper
41 100
39 0.0 58.0 87.0#
76 0.0 45.9 68.9#

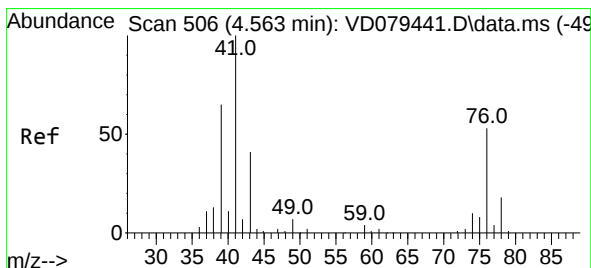
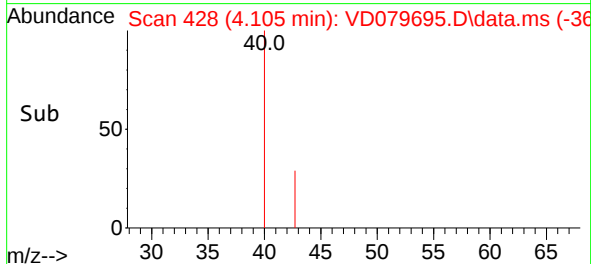
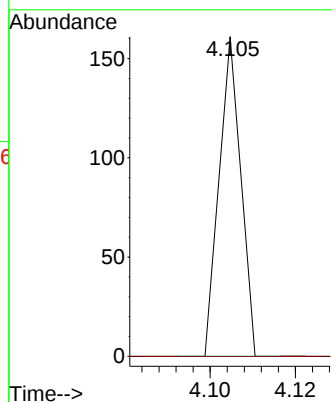
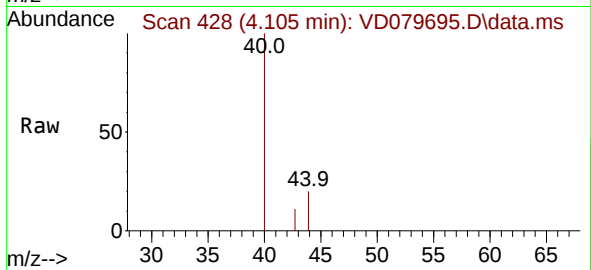




#16
Acetone
Concen: 6.012 ug/l
RT: 4.105 min Scan# 41
Delta R.T. 0.082 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

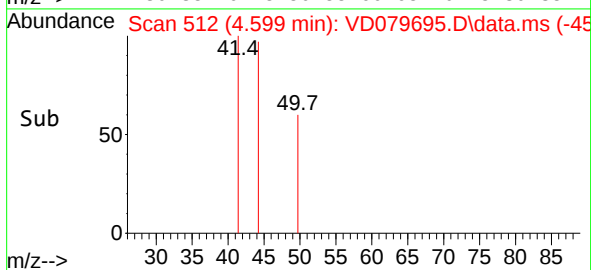
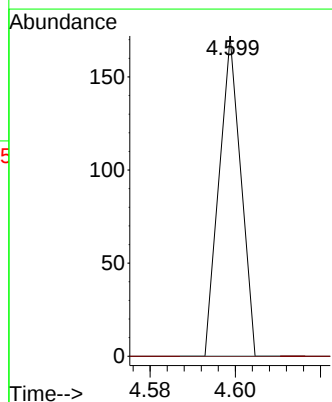
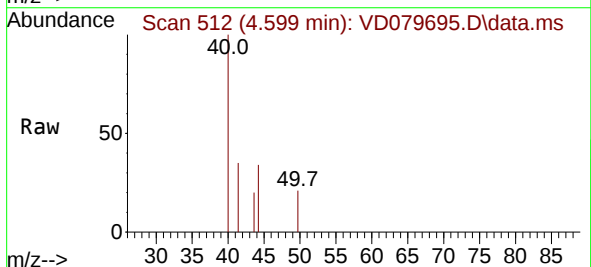
Instrument :
MSVOA_D
ClientSampleId :

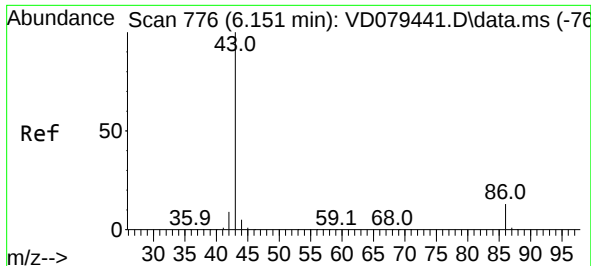
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#18
Methyl Acetate
Concen: 2.072 ug/l
RT: 4.599 min Scan# 512
Delta R.T. 0.029 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 28.1 42.1#

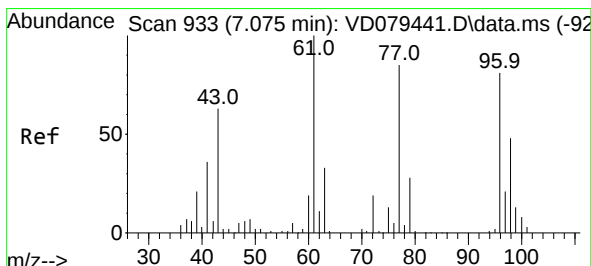
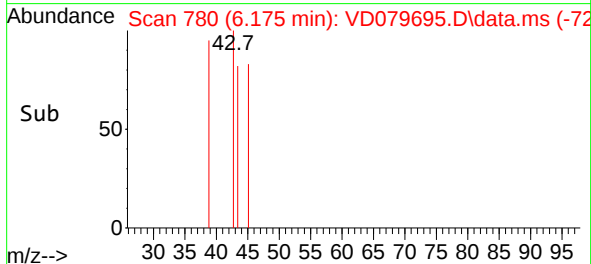
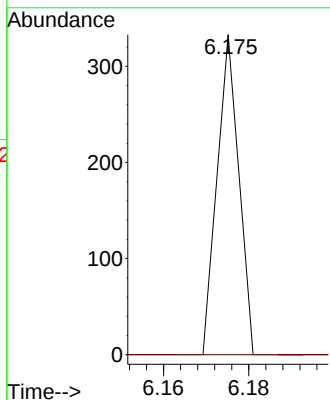
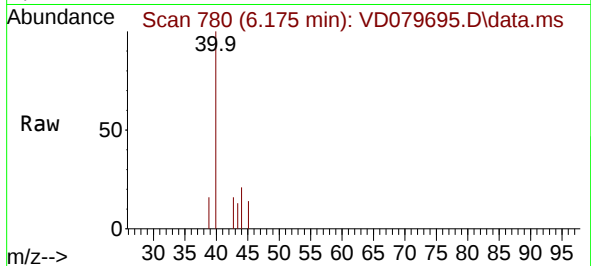




#23
 Vinyl Acetate
 Concen: 1.030 ug/l
 RT: 6.175 min Scan# 71
 Delta R.T. 0.023 min
 Lab File: VD079695.D
 Acq: 09 Aug 2024 16:08

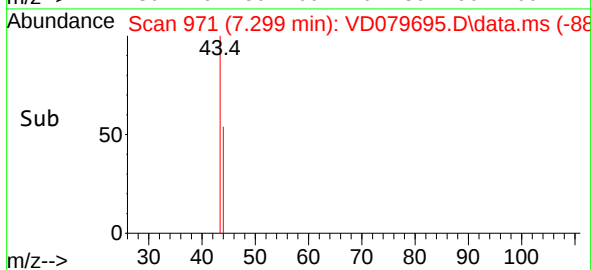
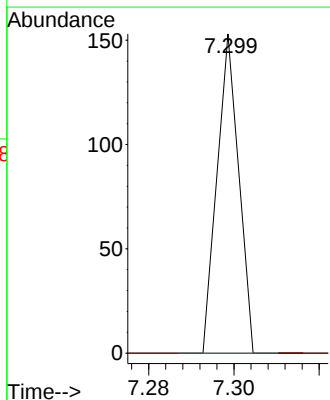
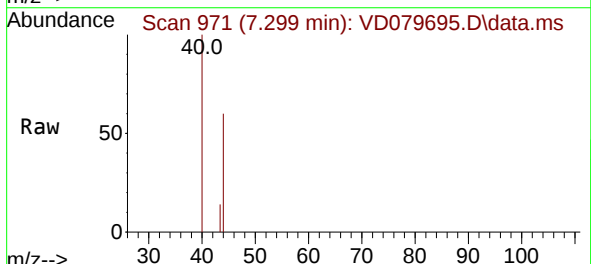
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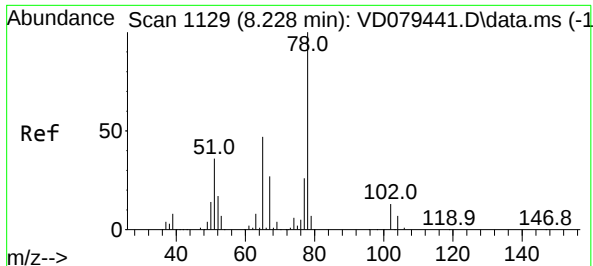
Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.3 18.5#



#25
 2-Butanone
 Concen: 4.018 ug/l
 RT: 7.299 min Scan# 971
 Delta R.T. 0.206 min
 Lab File: VD079695.D
 Acq: 09 Aug 2024 16:08

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.4 39.6#





#33

1,2-Dichloroethane-d4

Concen: 120.942 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079695.D

Acq: 09 Aug 2024 16:08

Instrument :

MSVOA_D

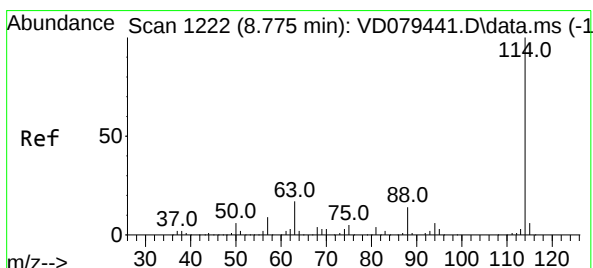
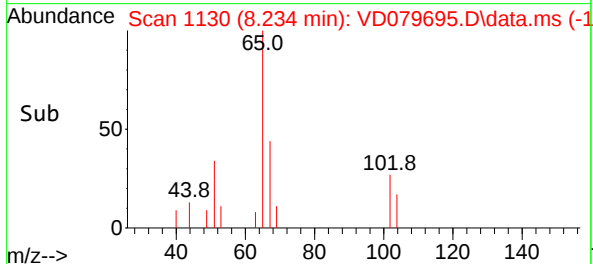
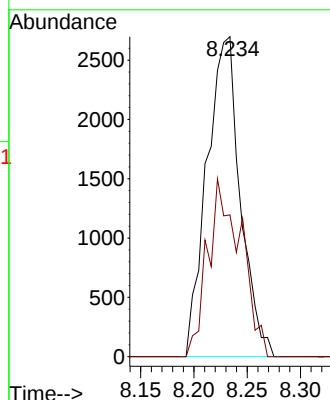
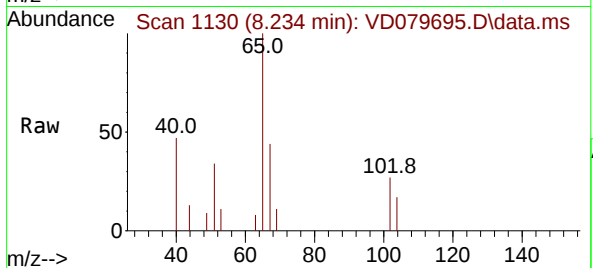
ClientSampleId :

Tgt Ion: 65 Resp: 5900

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.769 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VD079695.D

Acq: 09 Aug 2024 16:08

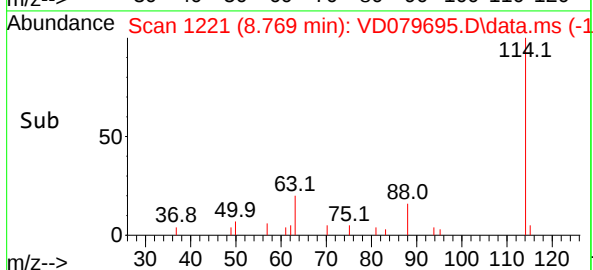
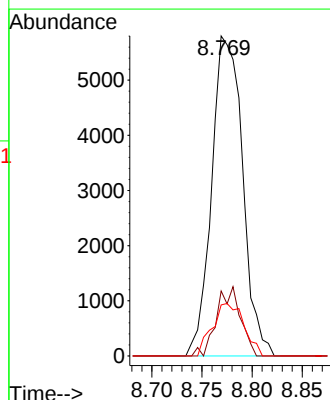
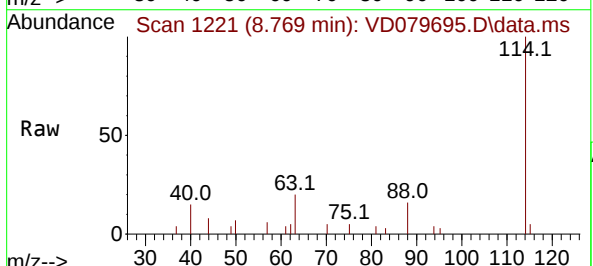
Tgt Ion: 114 Resp: 12417

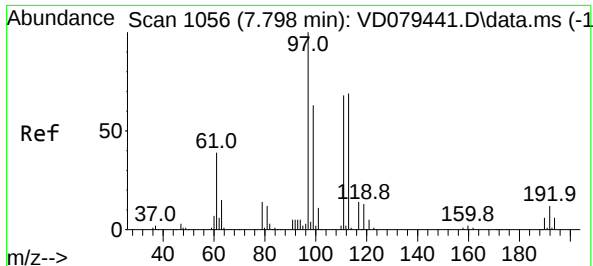
Ion Ratio Lower Upper

114 100

63 20.3 0.0 34.0

88 15.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.983 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

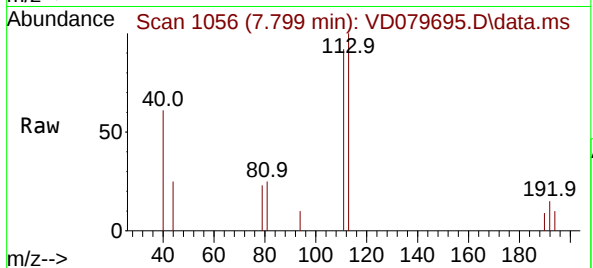
Lab File: VD079695.D

Acq: 09 Aug 2024 16:08

Instrument :

MSVOA_D

ClientSampleId :



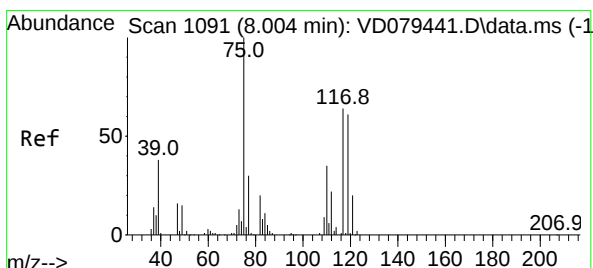
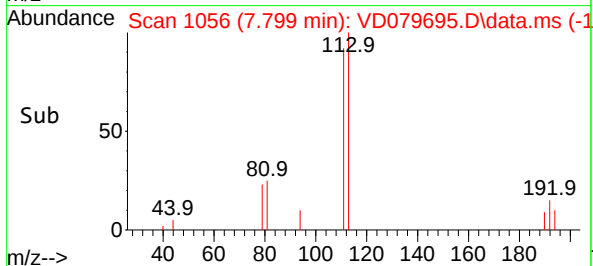
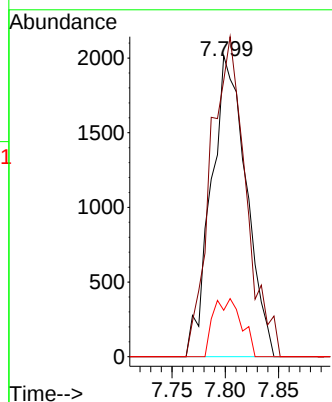
Tgt Ion:113 Resp: 4621

Ion Ratio Lower Upper

113 100

111 107.0 84.0 126.0

192 15.4 15.4 23.0



#36

1,1-Dichloropropene

Concen: 1.805 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079695.D

Acq: 09 Aug 2024 16:08

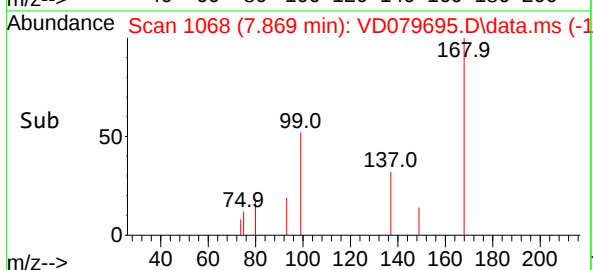
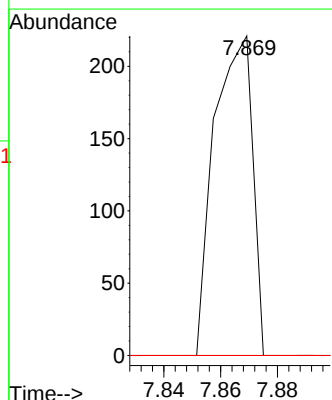
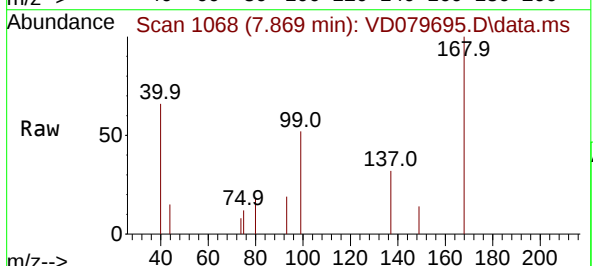
Tgt Ion: 75 Resp: 207

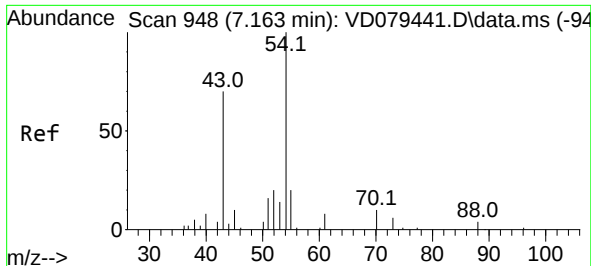
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

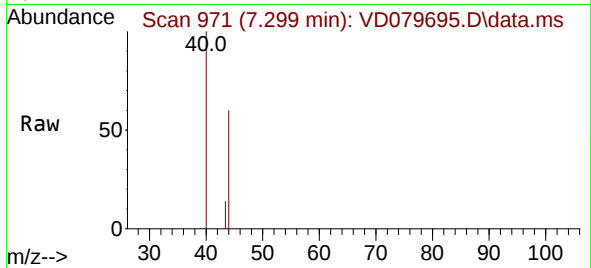
77 0.0 26.1 39.1#



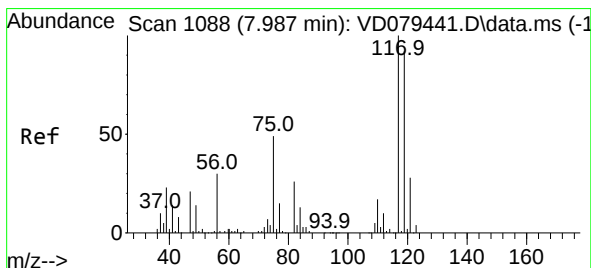
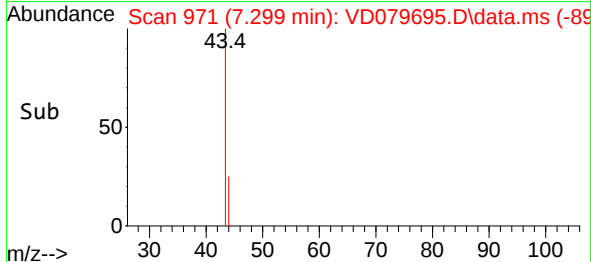
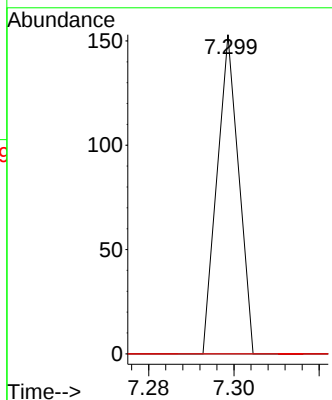


#37
Ethyl Acetate
Concen: 1.148 ug/l
RT: 7.299 min Scan# 91
Delta R.T. 0.123 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Instrument :
MSVOA_D
ClientSampleId :

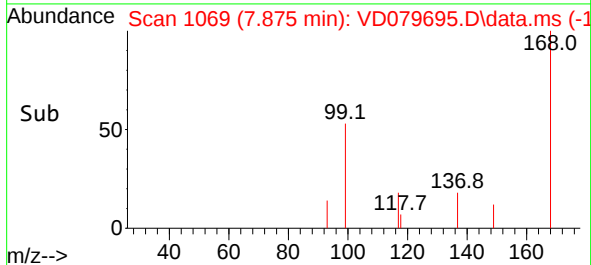
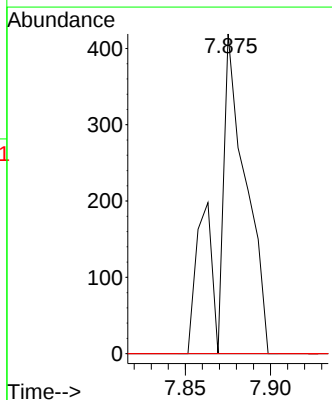
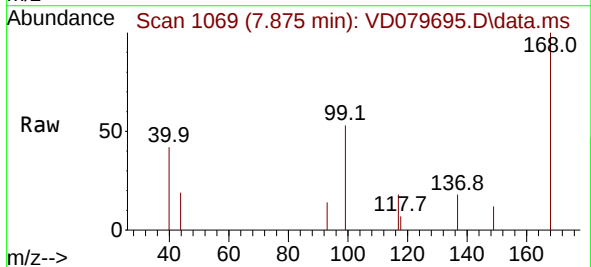


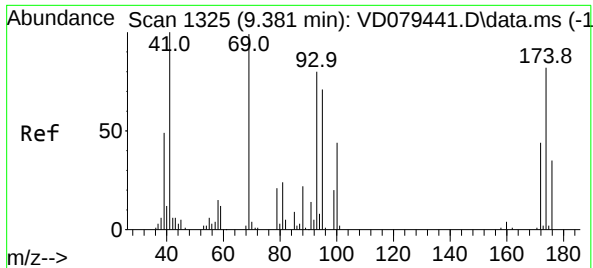
Tgt Ion: 43	Resp: 54
Ion Ratio	Lower Upper
43 100	
61 0.0	13.9 20.9#
70 0.0	9.8 14.6#



#38
Carbon Tetrachloride
Concen: 4.138 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

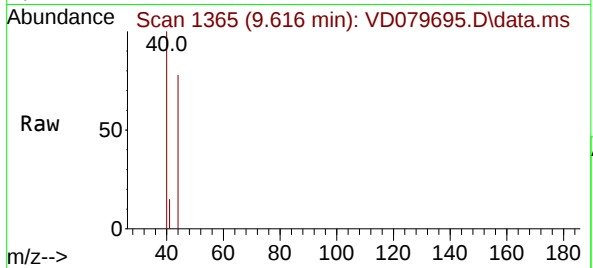
Tgt Ion:117	Resp:	499	
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.4	113.0#
121	0.0	25.0	37.4#



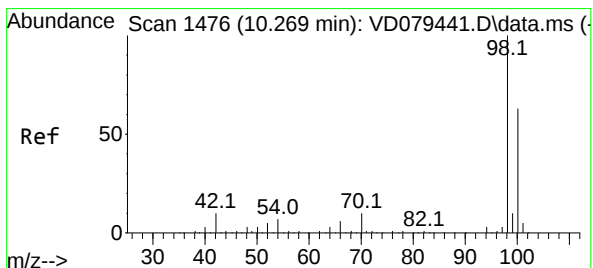
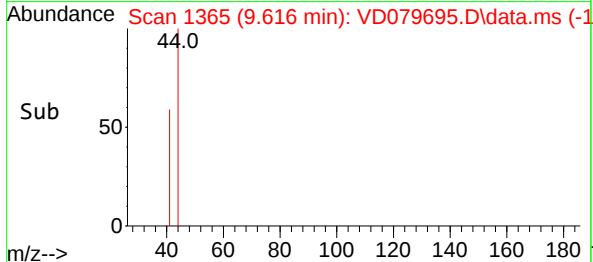
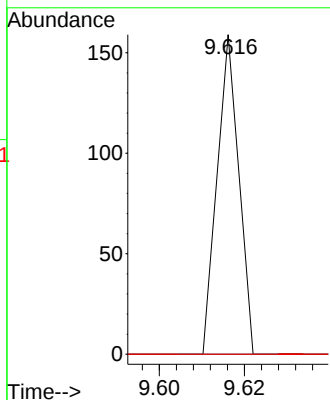


#48
Methyl methacrylate
Concen: 1.416 ug/l
RT: 9.616 min Scan# 1365
Delta R.T. 0.235 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Instrument :
MSVOA_D
ClientSampleId :

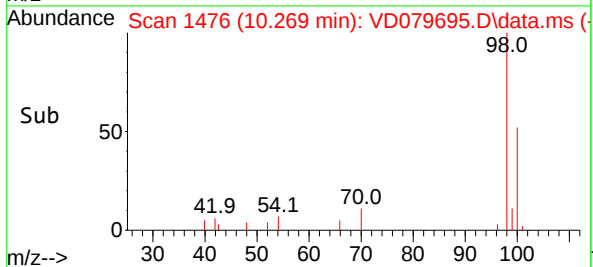
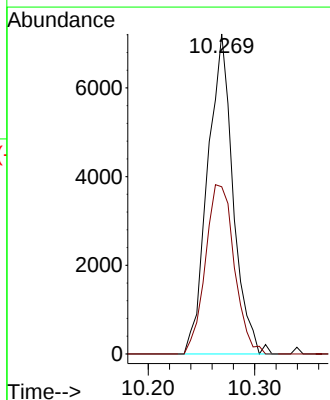
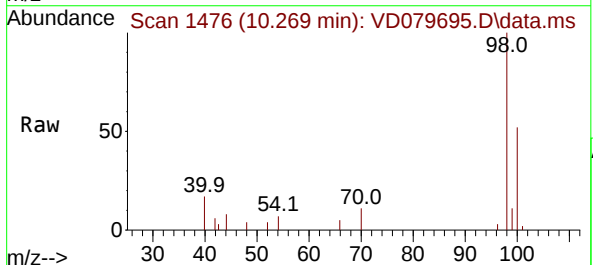


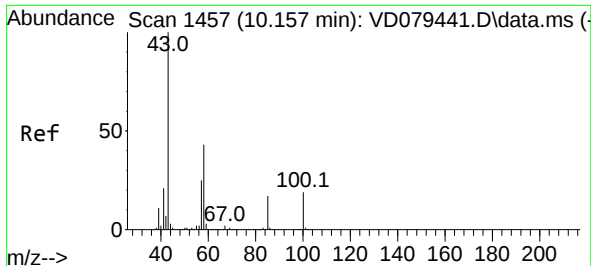
Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 0.0 96.7 145.1#
39 0.0 43.8 65.6#



#50
Toluene-d8
Concen: 36.682 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Tgt Ion: 98 Resp: 11972
Ion Ratio Lower Upper
98 100
100 60.1 51.6 77.4

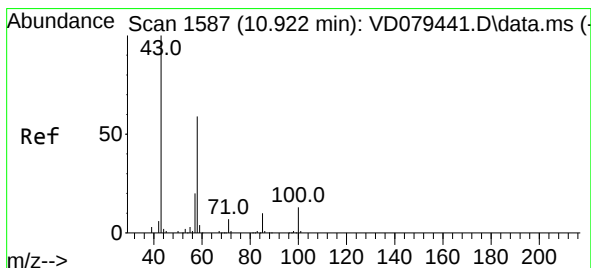
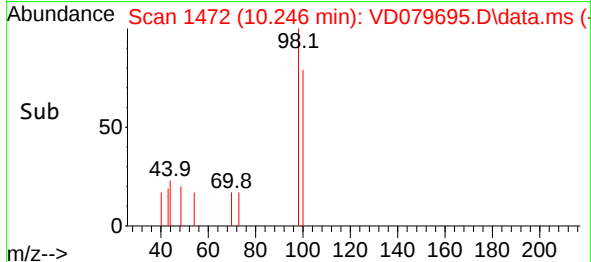
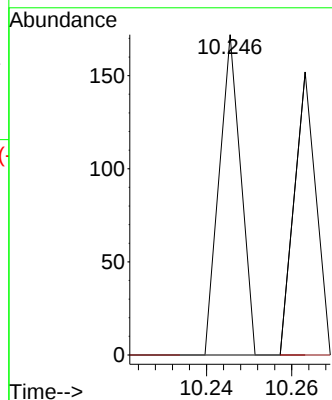
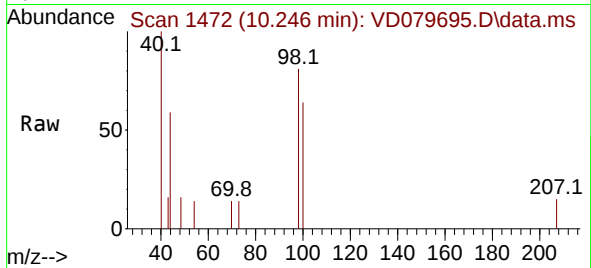




#51
4-Methyl-2-Pentanone
Concen: 1.352 ug/l
RT: 10.246 min Scan# 1457
Delta R.T. 0.088 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

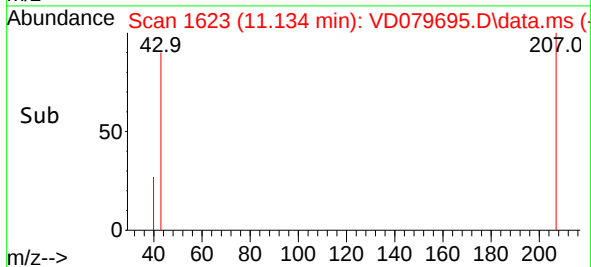
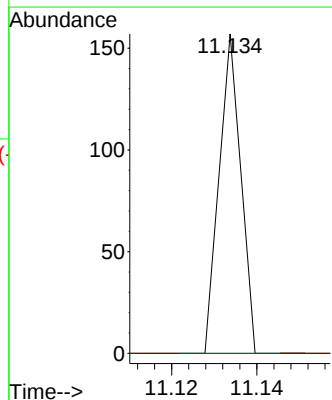
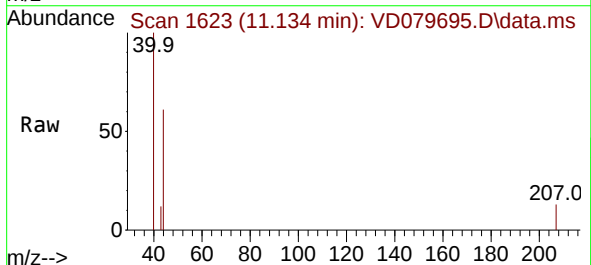
Instrument :
MSVOA_D
ClientSampleId :

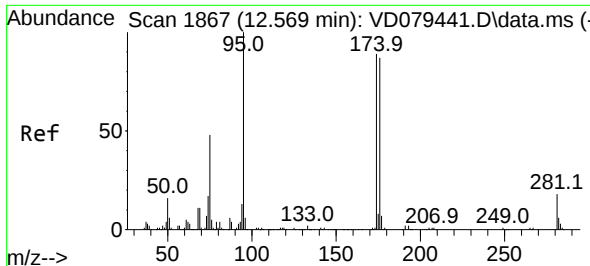
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 36.6 55.0#



#59
2-Hexanone
Concen: 1.747 ug/l
RT: 11.134 min Scan# 1623
Delta R.T. 0.218 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

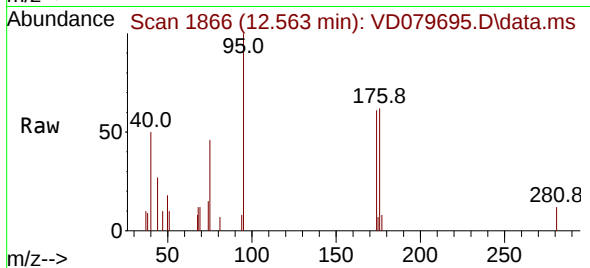
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



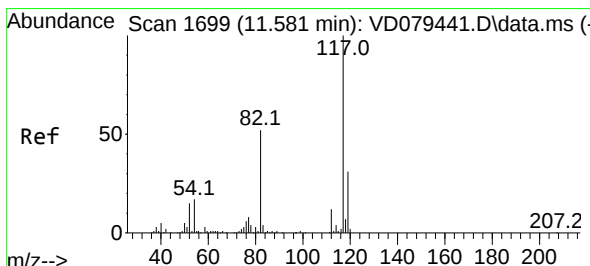
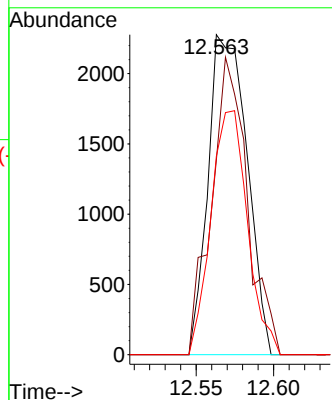
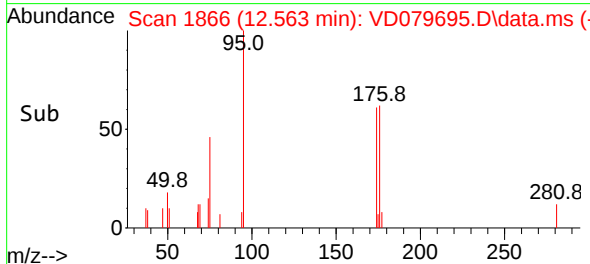


#62
4-Bromofluorobenzene
Concen: 42.088 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Instrument :
MSVOA_D
ClientSampleId :

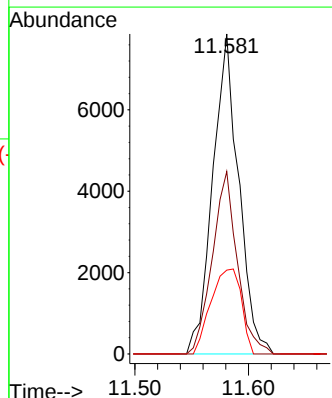
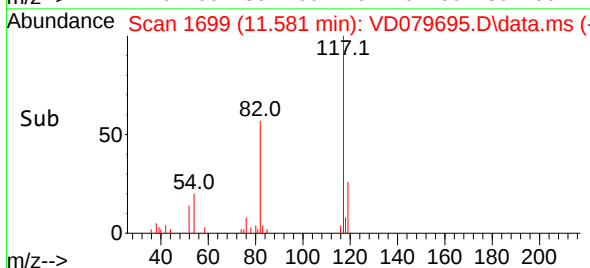
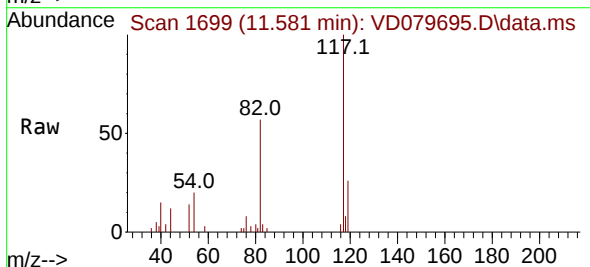


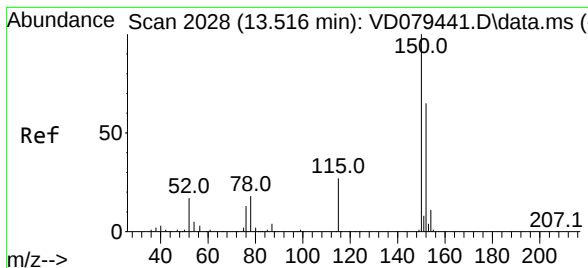
Tgt Ion: 95 Resp: 3975
Ion Ratio Lower Upper
95 100
174 85.5 0.0 195.4
176 71.7 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Tgt Ion: 117 Resp: 12454
Ion Ratio Lower Upper
117 100
82 57.0 39.8 59.6
119 26.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

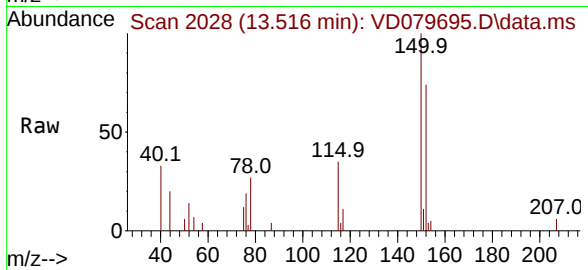
Lab File: VD079695.D

Acq: 09 Aug 2024 16:08

Instrument :

MSVOA_D

ClientSampleId :



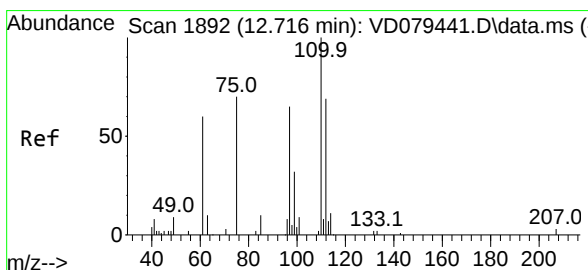
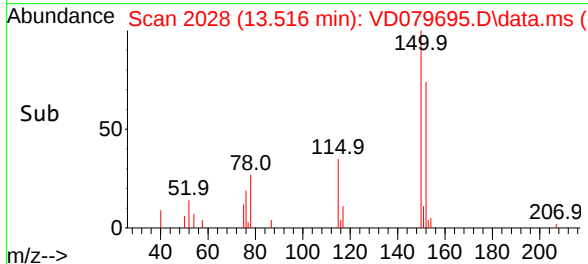
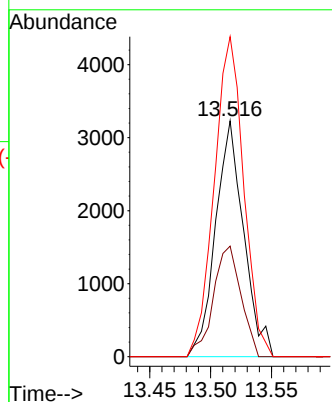
Tgt Ion:152 Resp: 5185

Ion Ratio Lower Upper

152 100

115 46.2 26.5 79.5

150 142.2 0.0 341.6



#76

1,2,3-Trichloropropane

Concen: 1.633 ug/l

RT: 12.751 min Scan# 1898

Delta R.T. 0.029 min

Lab File: VD079695.D

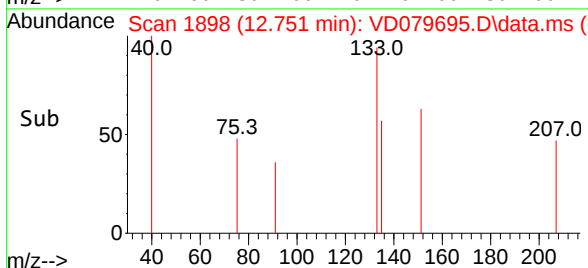
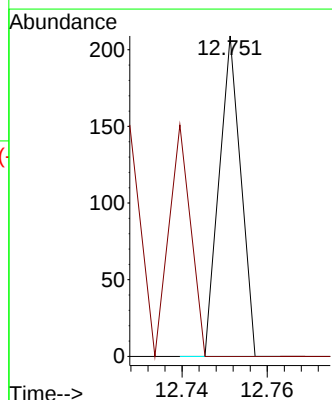
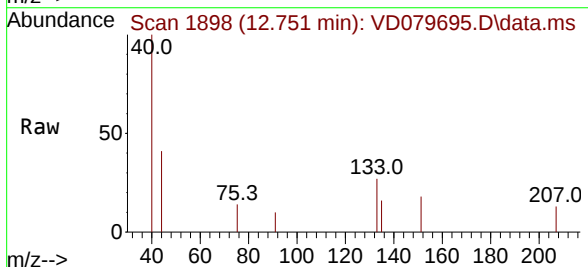
Acq: 09 Aug 2024 16:08

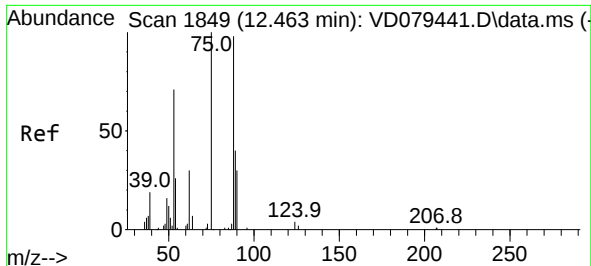
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

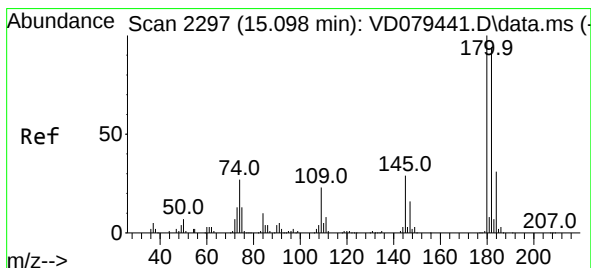
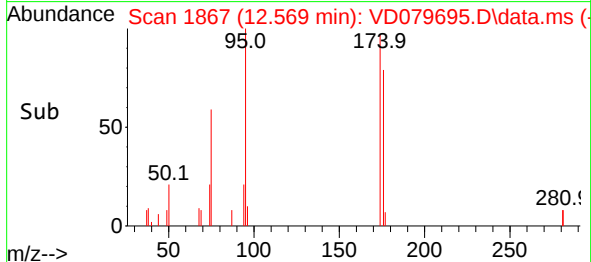
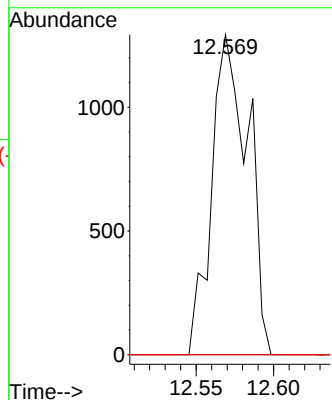
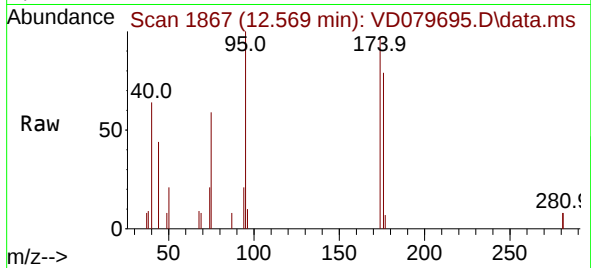




#81
trans-1,4-Dichloro-2-butene
Concen: 89.341 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

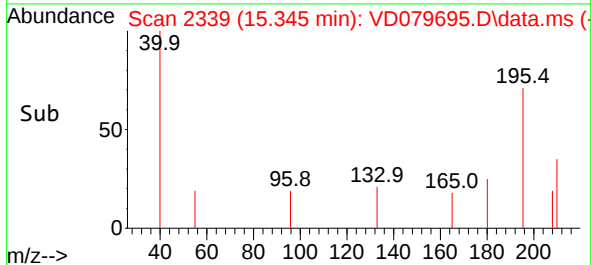
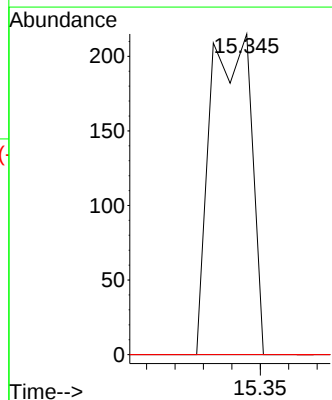
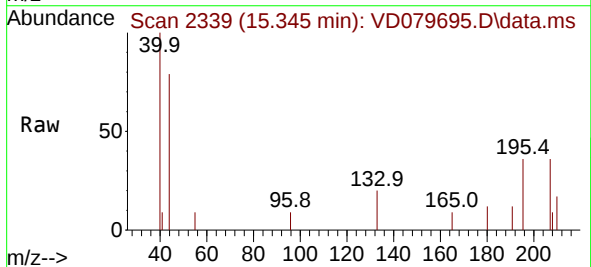
Instrument :
MSVOA_D
ClientSampleId :

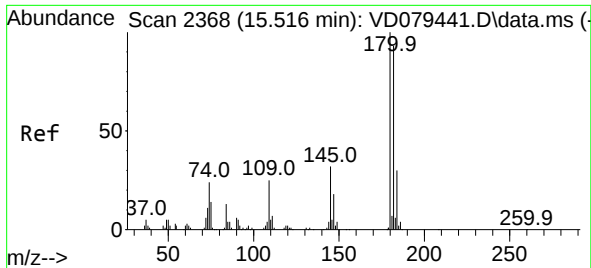
Tgt Ion: 75 Resp: 2123
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.207 ug/l
RT: 15.345 min Scan# 2339
Delta R.T. 0.253 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

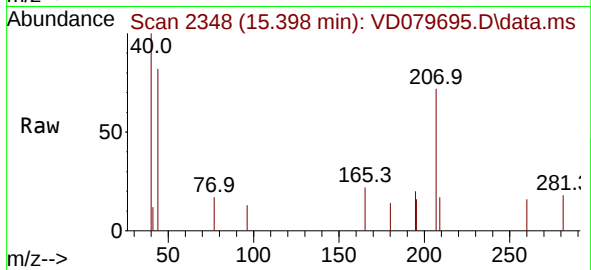
Tgt Ion:180 Resp: 214
Ion Ratio Lower Upper
180 100
182 0.0 46.9 140.7#
145 0.0 14.0 41.9#





#96
1,2,3-Trichlorobenzene
Concen: 3.013 ug/l
RT: 15.398 min Scan# 21
Delta R.T. -0.124 min
Lab File: VD079695.D
Acq: 09 Aug 2024 16:08

Instrument :
MSVOA_D
ClientSampleId :



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

