

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074732.D
 Acq On : 04 Nov 2022 12:31
 Operator : VA/SY
 Sample : N5425-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 371

Quant Time: Nov 07 00:25:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

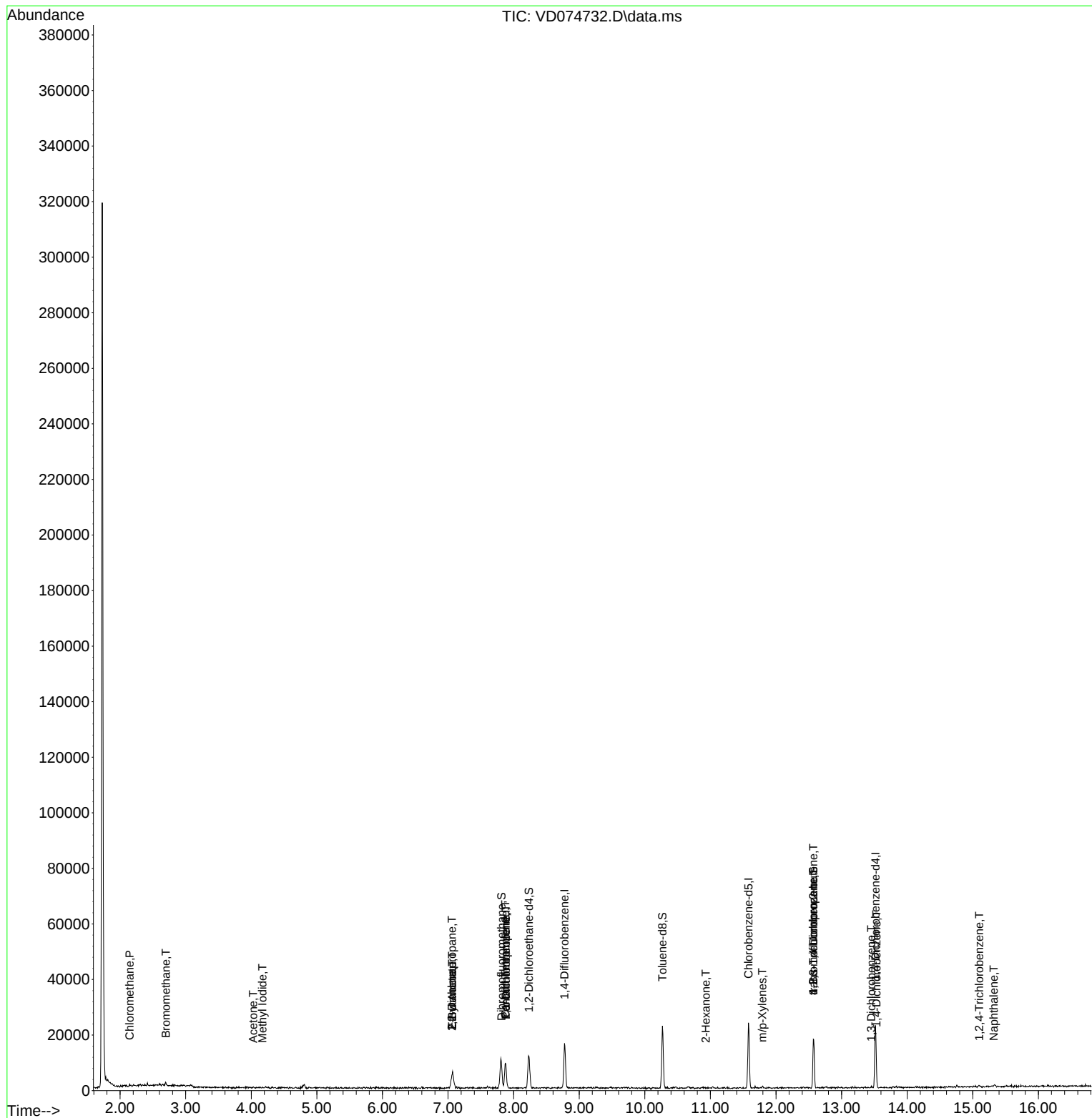
Internal Standards						
1) Pentafluorobenzene	7.881	168	7969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	16566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	14840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	7103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8985	142.357	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 284.720%#	
35) Dibromofluoromethane	7.816	113	7688	78.453	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 156.900%#	
50) Toluene-d8	10.269	98	16740	46.831	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.660%	
62) 4-Bromofluorobenzene	12.569	95	6103	59.133	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 118.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	344	3.294	ug/l #	14
5) Bromomethane	2.699	94	491	5.658	ug/l #	76
10) Methyl Iodide	4.169	142	63	6.068	ug/l #	43
16) Acetone	4.028	43	61	4.631	ug/l #	37
20) Methylene Chloride	4.805	84	978	Below Cal	#	74
25) 2-Butanone	7.063	43	114	6.295	ug/l #	42
26) 2,2-Dichloropropane	7.058	77	272	2.061	ug/l #	50
36) 1,1-Dichloropropene	7.881	75	375	2.521	ug/l #	39
37) Ethyl Acetate	7.063	43	114	2.297	ug/l #	43
38) Carbon Tetrachloride	7.875	117	709	5.031	ug/l #	14
59) 2-Hexanone	10.928	43	55	1.786	ug/l #	18
68) m/p-Xylenes	11.793	106	245	1.185	ug/l	98
76) 1,2,3-Trichloropropane	12.569	75	2992	54.338	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	2992	128.985	ug/l #	17
87) 1,3-Dichlorobenzene	13.451	146	301	1.215	ug/l #	26
88) 1,4-Dichlorobenzene	13.534	146	318	1.306	ug/l #	44
93) 1,2,4-Trichlorobenzene	15.098	180	293	2.249	ug/l #	69
95) Naphthalene	15.322	128	963	3.848	ug/l #	69

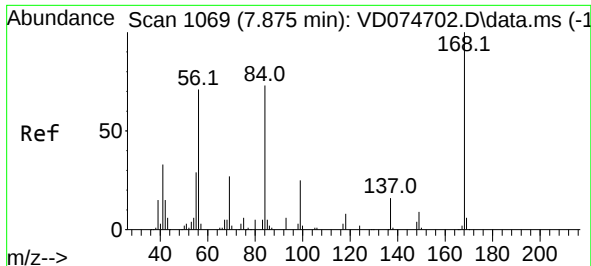
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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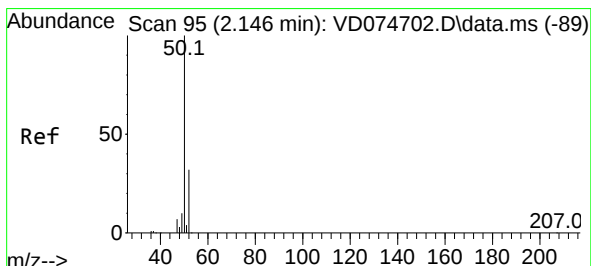
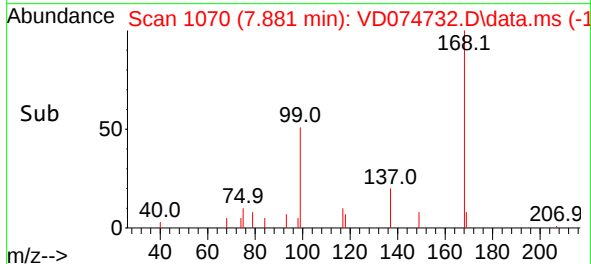
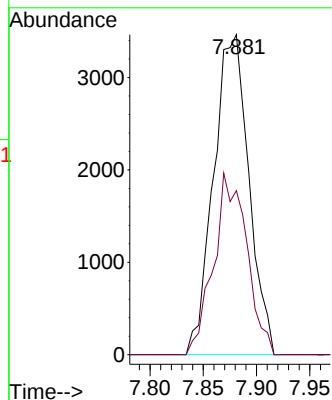
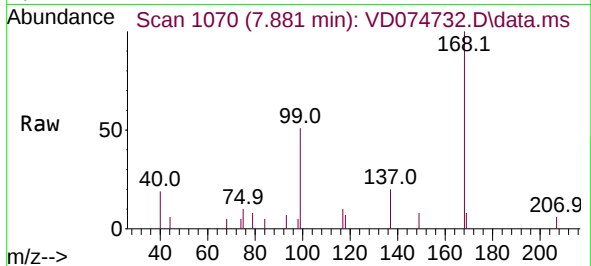




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

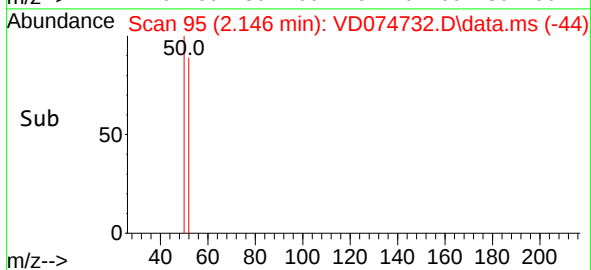
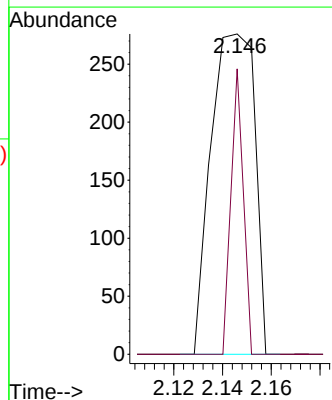
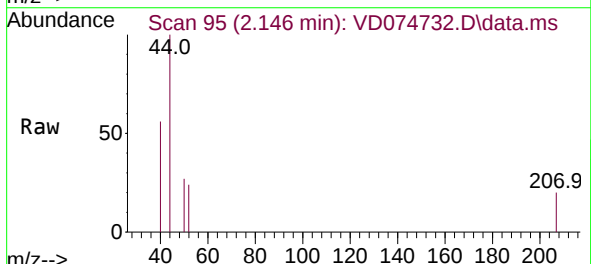
Instrument :
MSVOA_D
ClientSampleId :
371

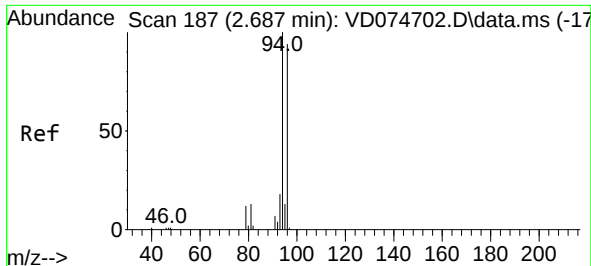
Tgt Ion:168 Resp: 7969
Ion Ratio Lower Upper
168 100
99 51.2 40.9 61.3



#3
Chloromethane
Concen: 3.294 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion: 50 Resp: 344
Ion Ratio Lower Upper
50 100
52 89.1 30.0 45.0#

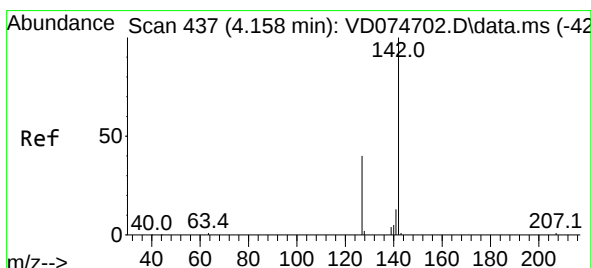
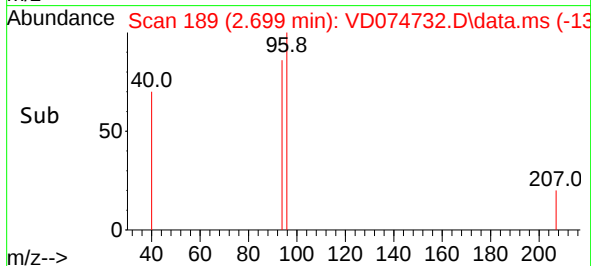
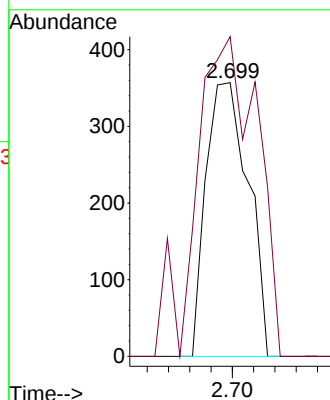
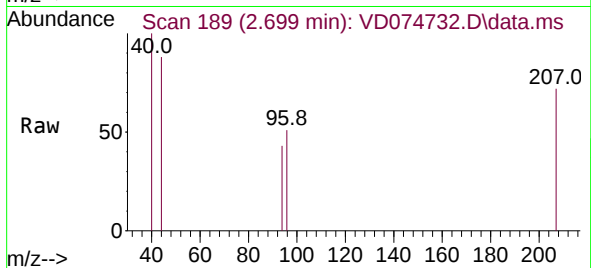




#5
Bromomethane
Concen: 5.658 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

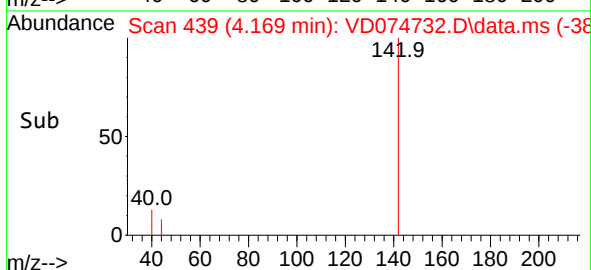
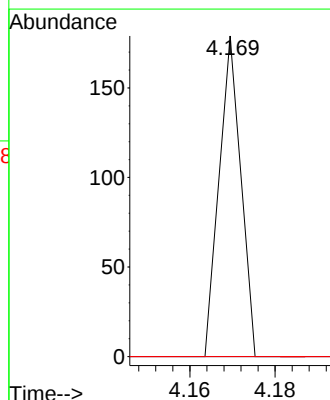
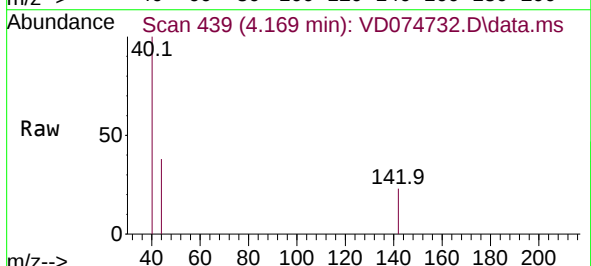
Instrument :
MSVOA_D
ClientSampleId :
371

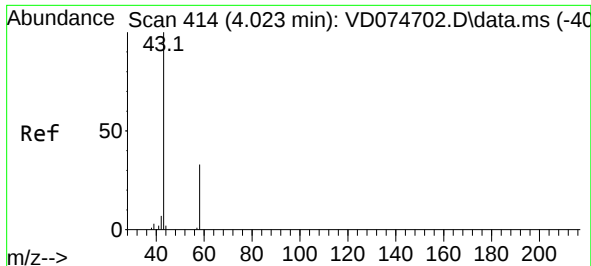
Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 116.8 74.6 112.0#



#10
Methyl Iodide
Concen: 6.068 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion: 142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

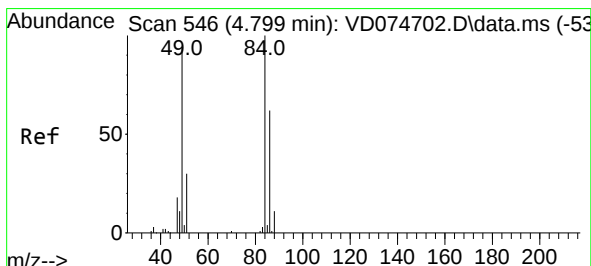
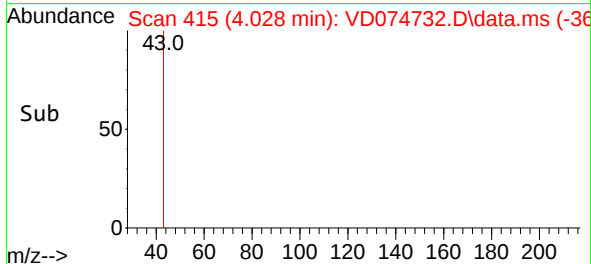
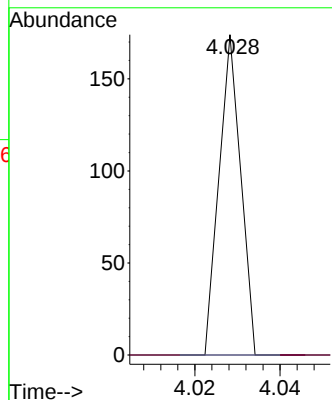
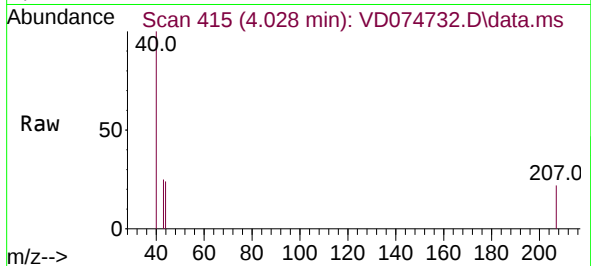




#16
Acetone
Concen: 4.631 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

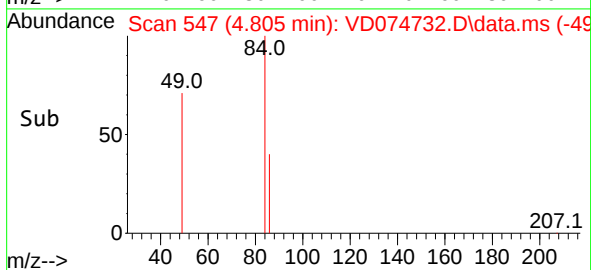
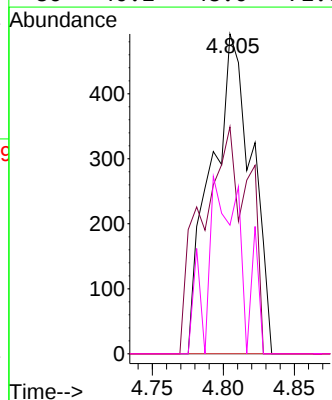
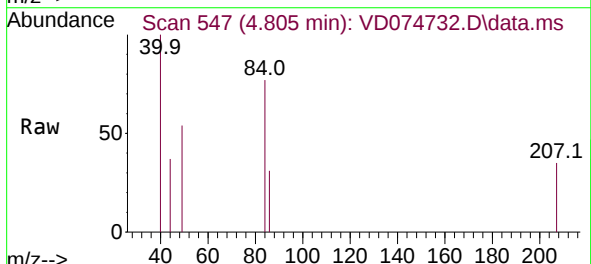
Instrument :
MSVOA_D
ClientSampleId :
371

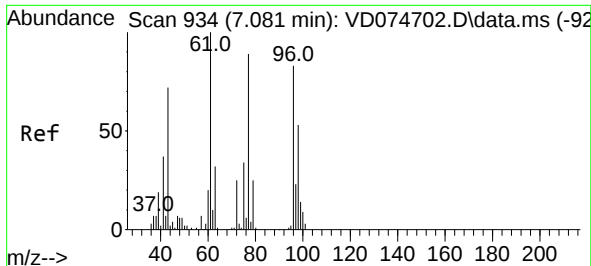
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion: 84 Resp: 978
Ion Ratio Lower Upper
84 100
49 70.9 68.0 102.0
51 0.0 23.2 34.8#
86 40.2 48.0 72.0#





#25

2-Butanone

Concen: 6.295 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

Instrument :

MSVOA_D

ClientSampleId :

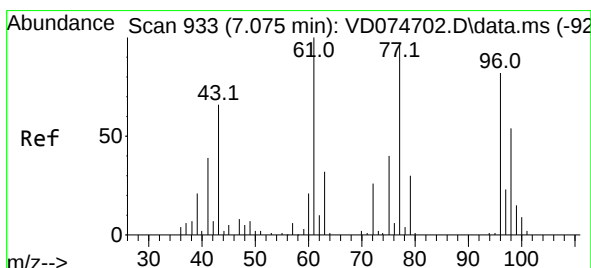
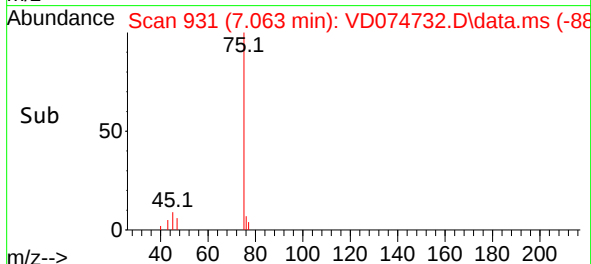
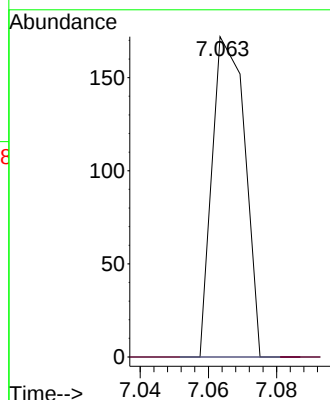
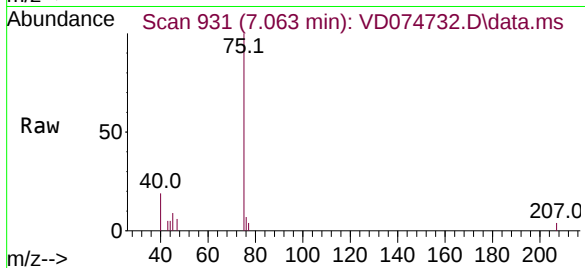
371

Tgt Ion: 43 Resp: 114

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#26

2,2-Dichloropropane

Concen: 2.061 ug/l

RT: 7.058 min Scan# 930

Delta R.T. -0.017 min

Lab File: VD074732.D

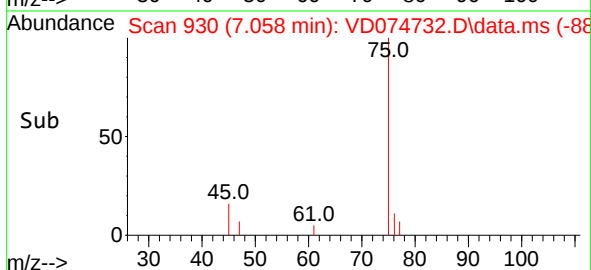
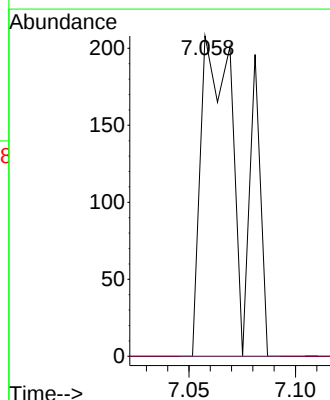
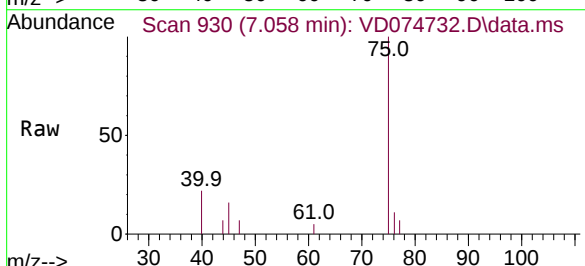
Acq: 04 Nov 2022 12:31

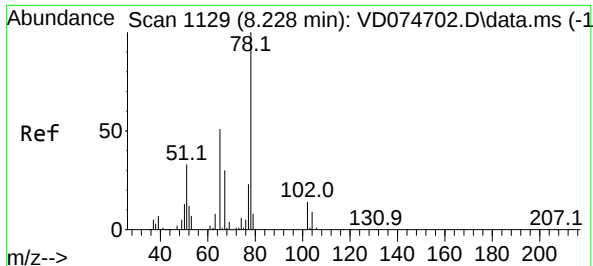
Tgt Ion: 77 Resp: 272

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 142.357 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

Instrument :

MSVOA_D

ClientSampleId :

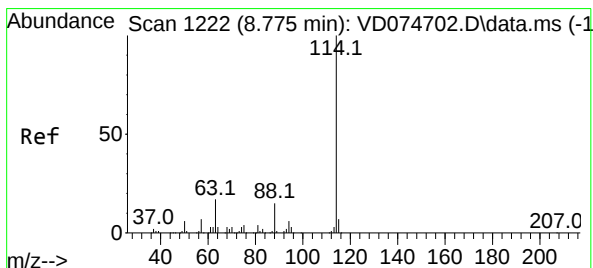
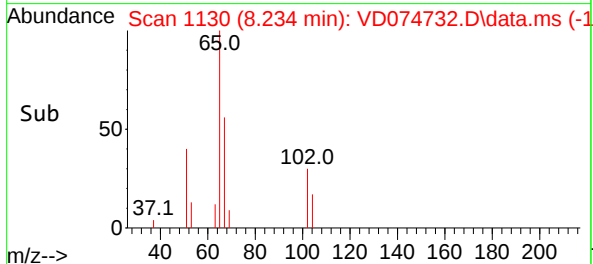
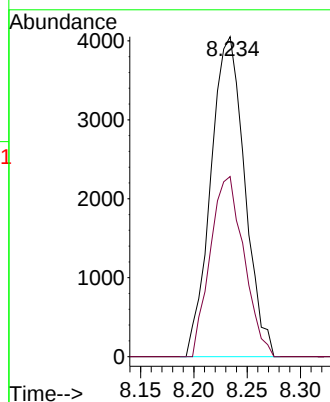
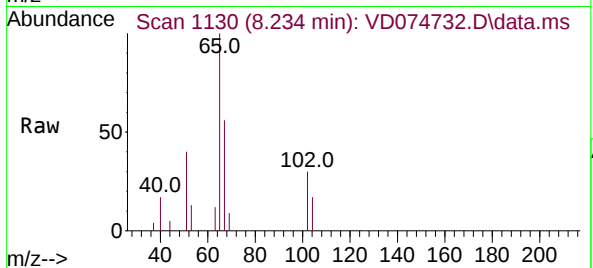
371

Tgt Ion: 65 Resp: 8985

Ion Ratio Lower Upper

65 100

67 55.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

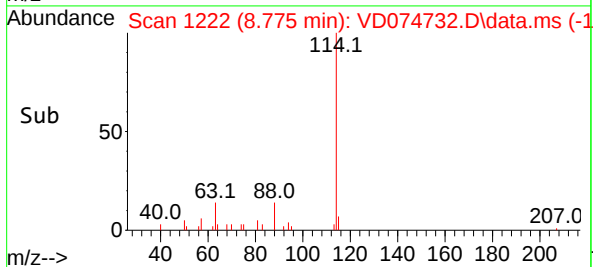
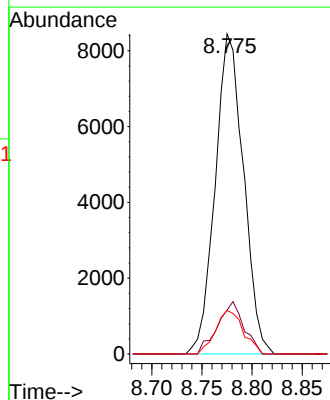
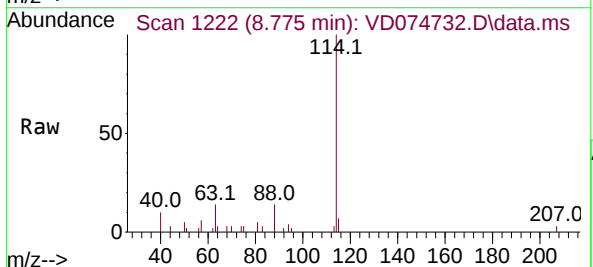
Tgt Ion: 114 Resp: 16566

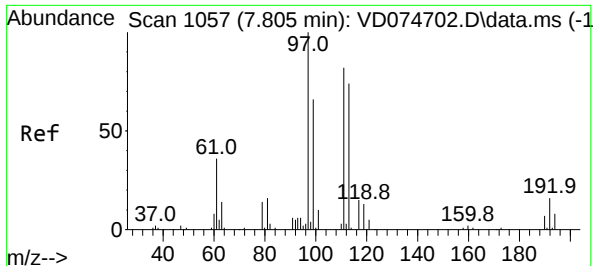
Ion Ratio Lower Upper

114 100

63 13.7 0.0 33.2

88 13.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 78.453 ug/l

RT: 7.816 min Scan# 1059

Delta R.T. 0.011 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

Instrument :

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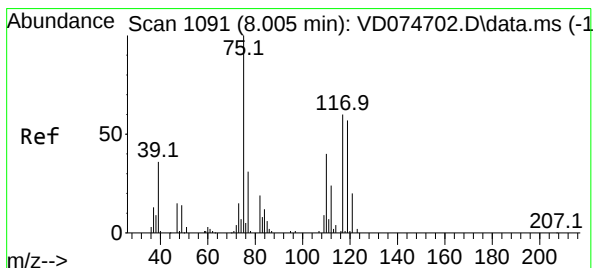
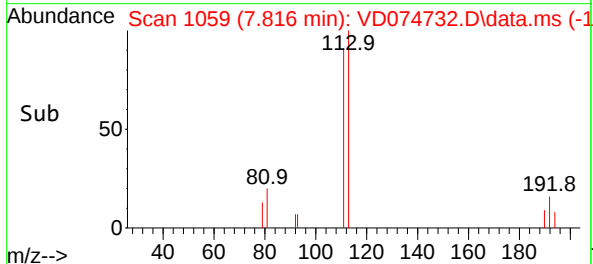
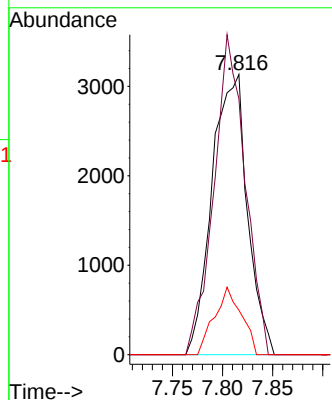
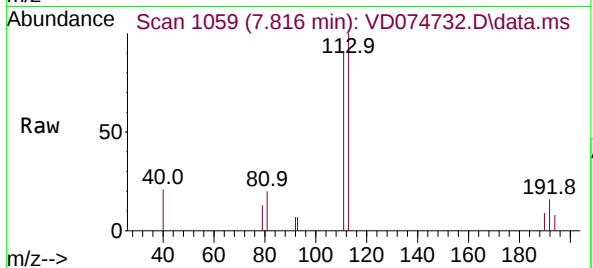
Tgt Ion:113 Resp: 7688

Ion Ratio Lower Upper

113 100

111 101.0 82.3 123.5

192 18.4 16.4 24.6



#36

1,1-Dichloropropene

Concen: 2.521 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.124 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

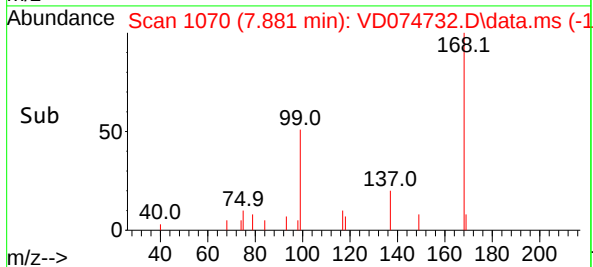
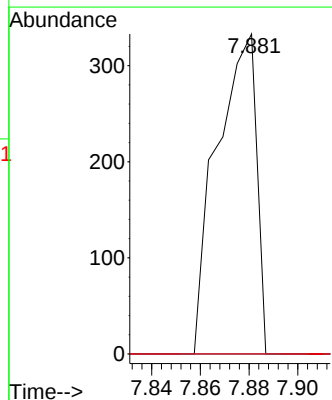
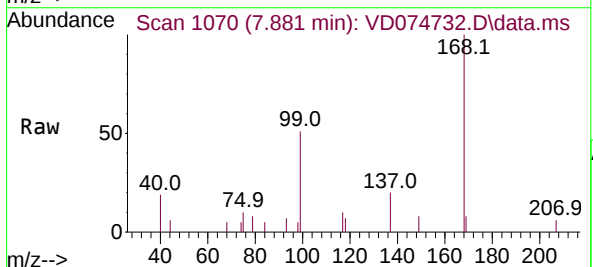
Tgt Ion: 75 Resp: 375

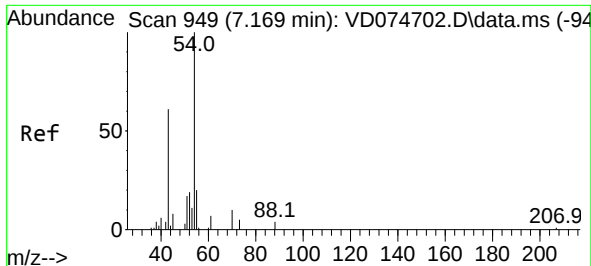
Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 2.297 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.106 min

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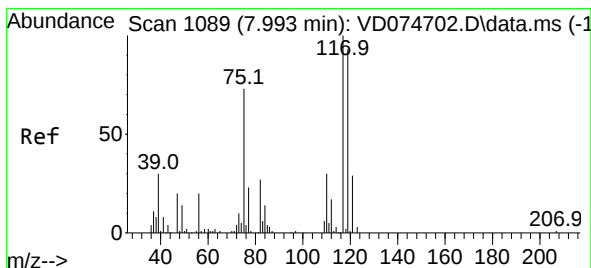
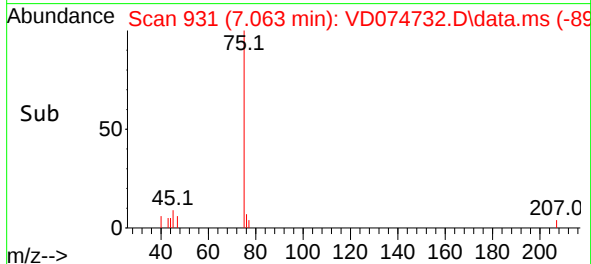
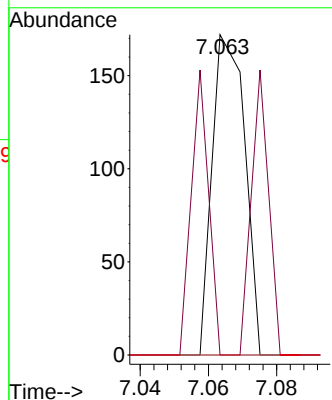
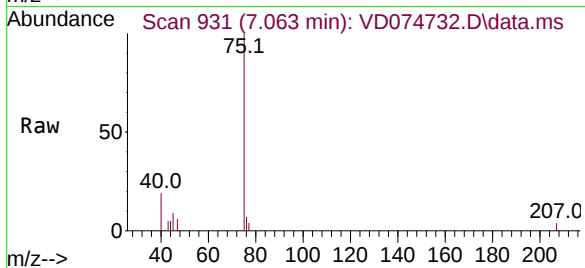
Tgt Ion: 43 Resp: 114

Ion Ratio Lower Upper

43 100

61 47.4 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 5.031 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

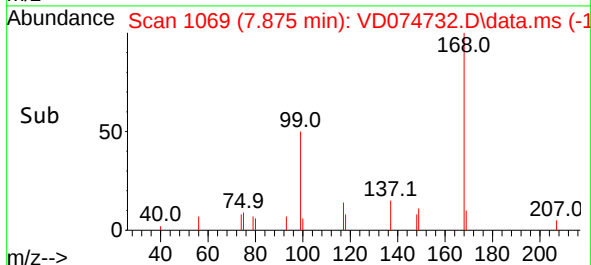
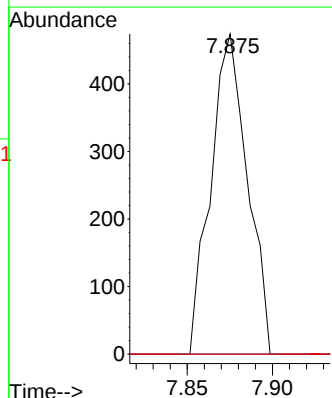
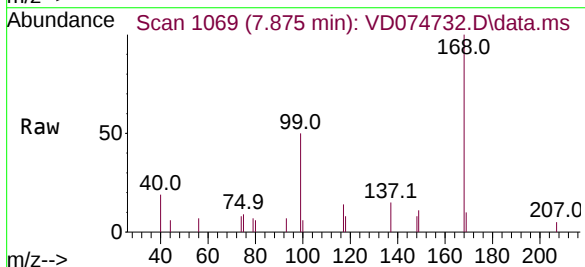
Tgt Ion: 117 Resp: 709

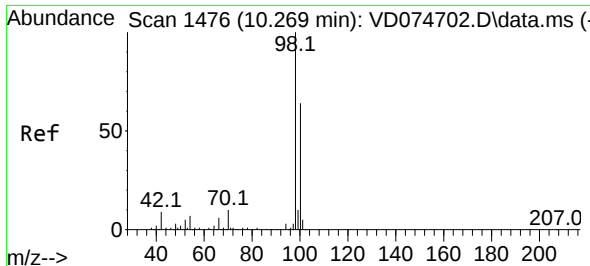
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

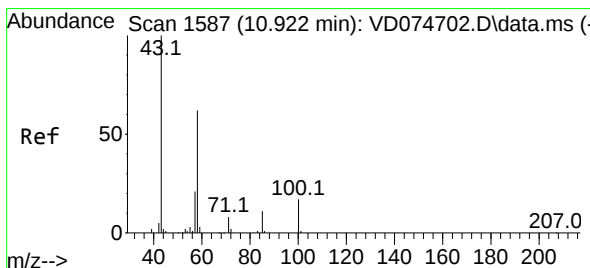
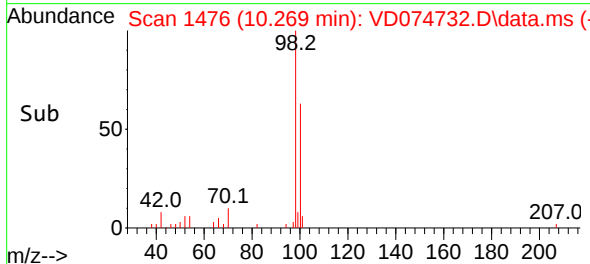
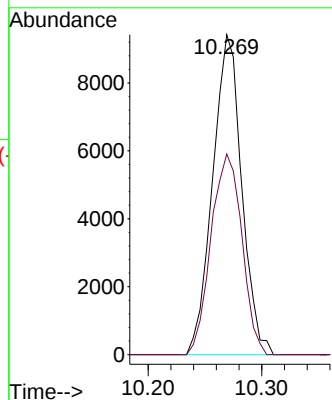
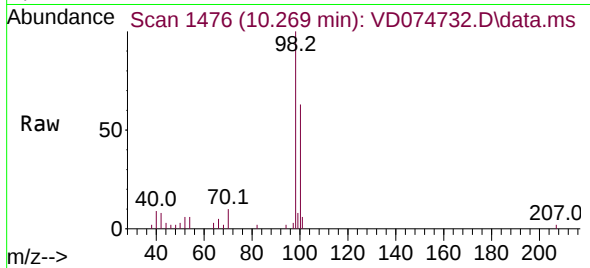




#50
Toluene-d8
Concen: 46.831 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

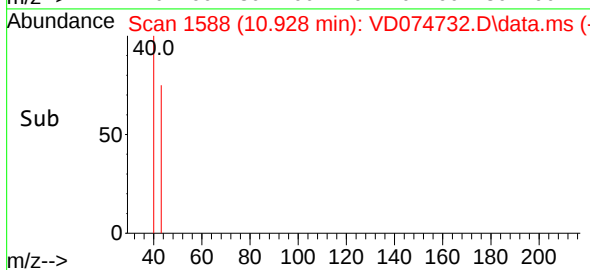
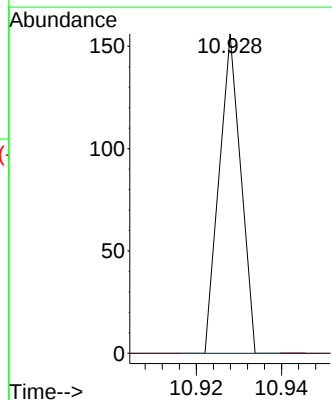
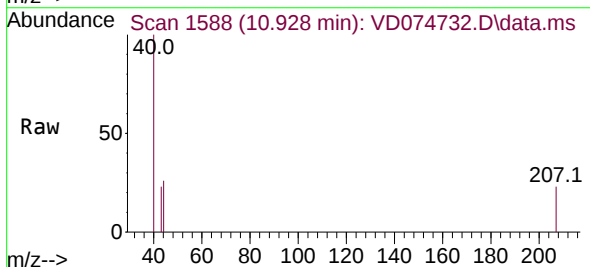
Instrument :
MSVOA_D
ClientSampleId :
371

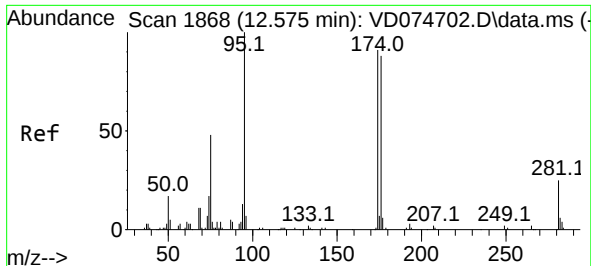
Tgt Ion: 98 Resp: 16740
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.0



#59
2-Hexanone
Concen: 1.786 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 32.0 96.2#

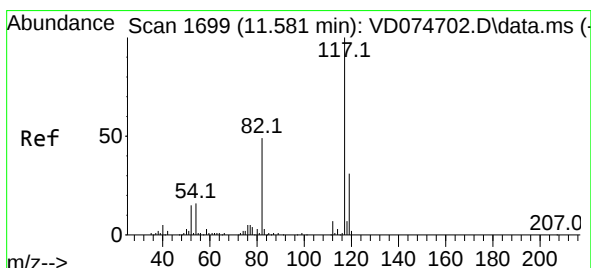
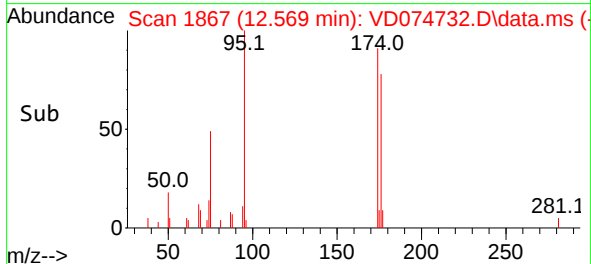
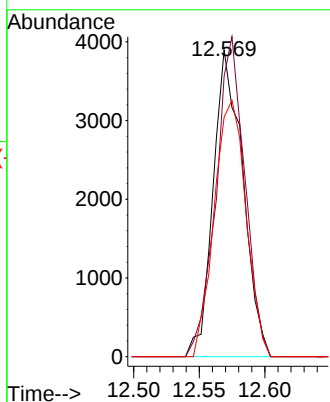
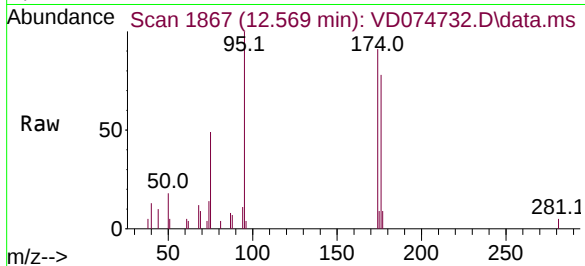




#62
4-Bromofluorobenzene
Concen: 59.133 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

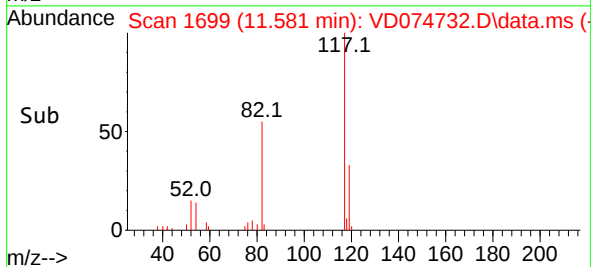
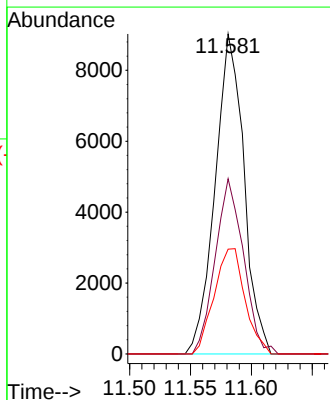
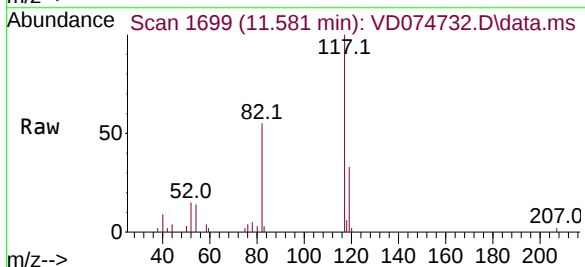
Instrument :
MSVOA_D
ClientSampleId :
371

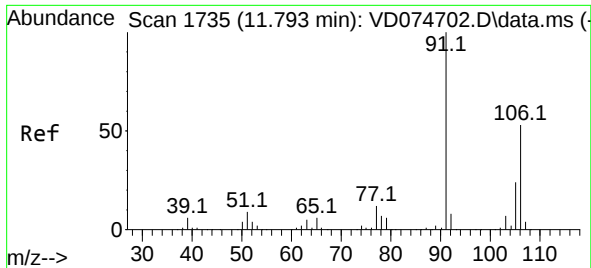
Tgt Ion:	95	Resp:	6103
Ion	Ratio	Lower	Upper
95	100		
174	101.7	0.0	197.0
176	89.8	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion:	117	Resp:	14840
Ion	Ratio	Lower	Upper
117	100		
82	54.7	41.6	62.4
119	32.7	25.2	37.8

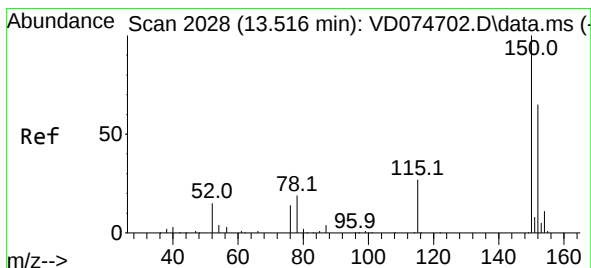
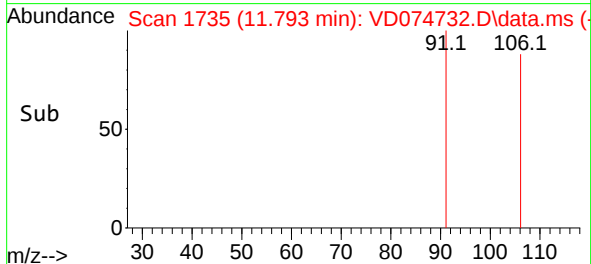
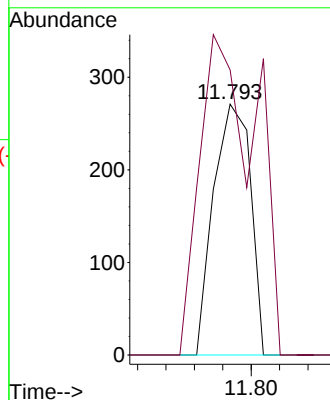
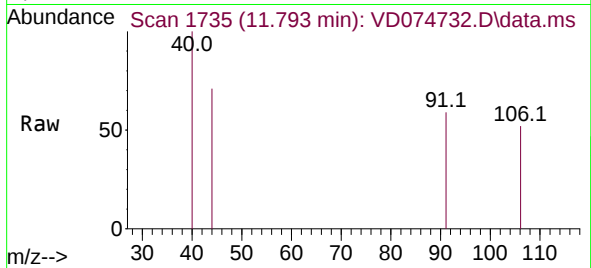




#68
m/p-Xylenes
Concen: 1.185 ug/l
RT: 11.793 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

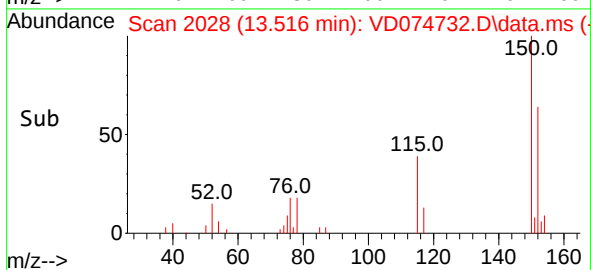
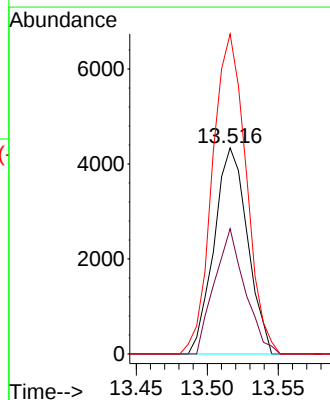
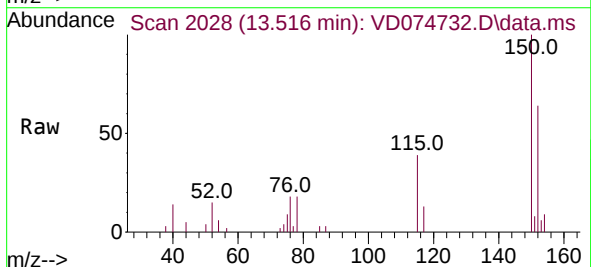
Instrument :
MSVOA_D
ClientSampleId :
371

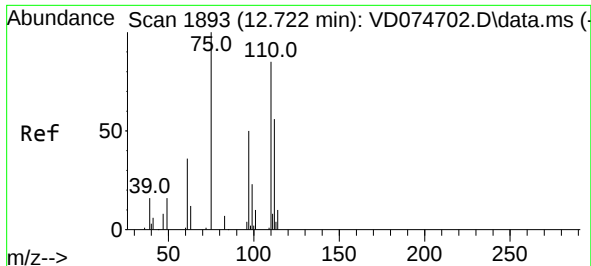
Tgt Ion:106 Resp: 245
Ion Ratio Lower Upper
106 100
91 192.2 156.2 234.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion:152 Resp: 7103
Ion Ratio Lower Upper
152 100
115 55.6 26.8 80.4
150 156.4 0.0 348.2

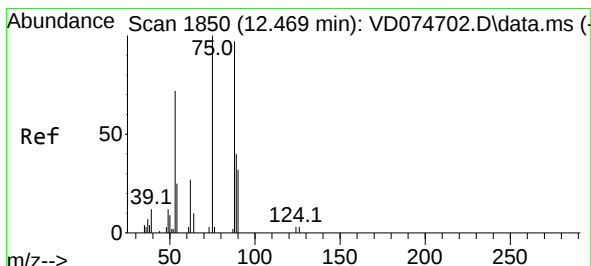
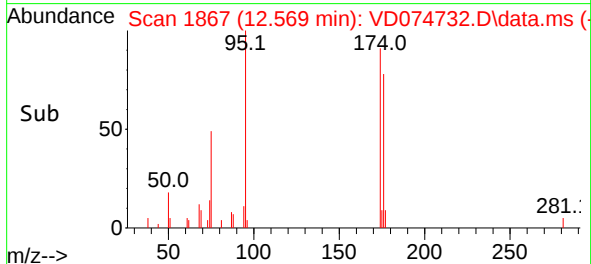
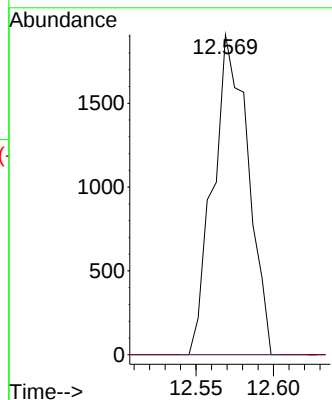
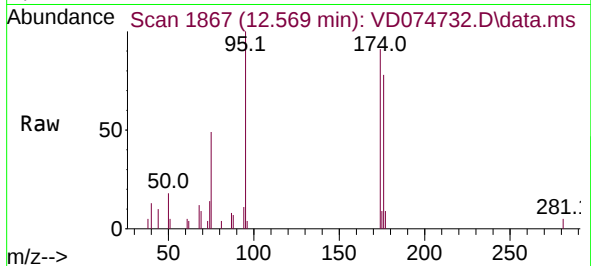




#76
1,2,3-Trichloropropane
Concen: 54.338 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

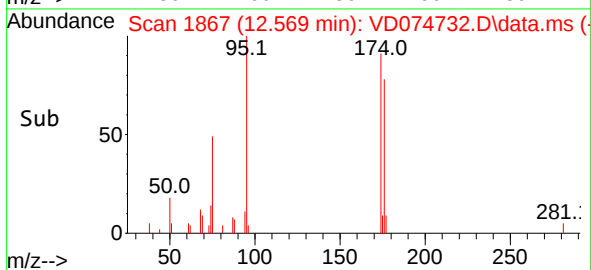
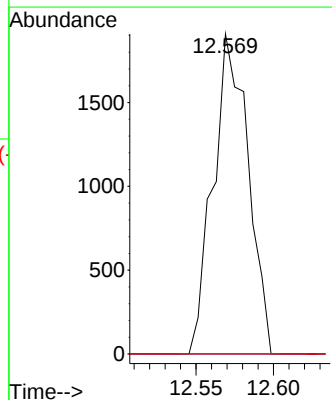
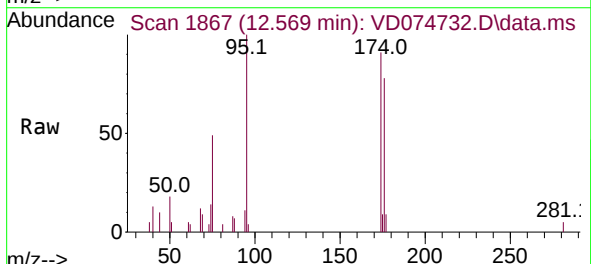
Instrument :
MSVOA_D
ClientSampleId :
371

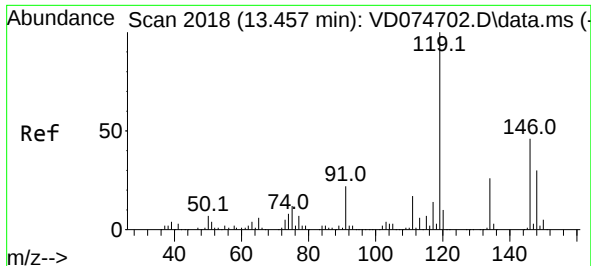
Tgt Ion: 75 Resp: 2992
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.985 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion: 75 Resp: 2992
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

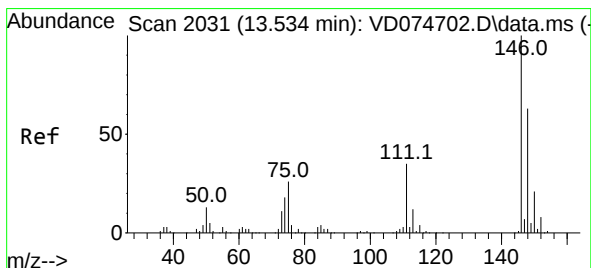
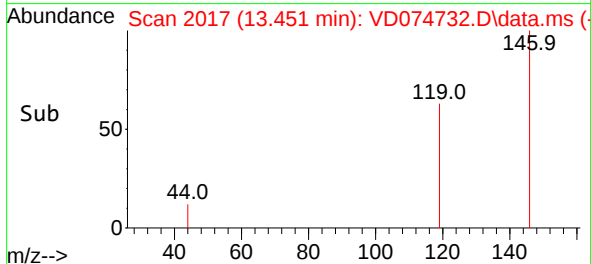
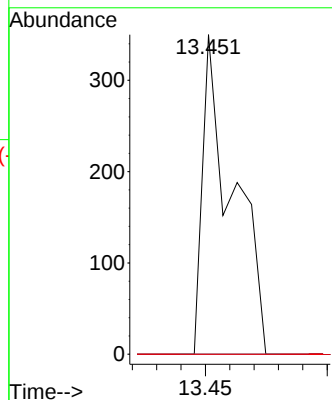
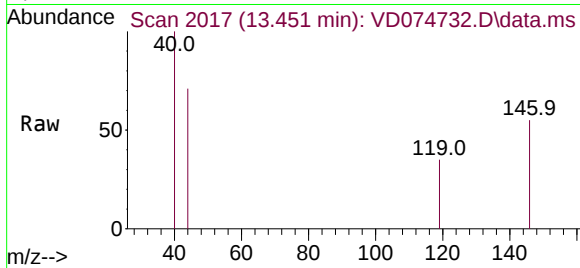




#87
1,3-Dichlorobenzene
Concen: 1.215 ug/l
RT: 13.451 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

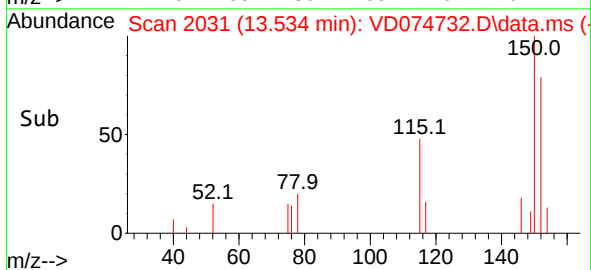
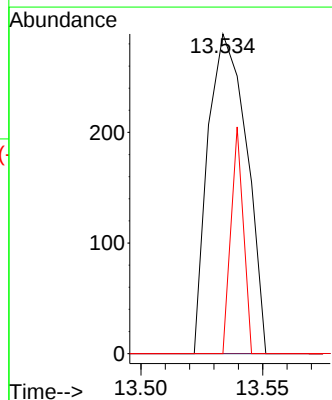
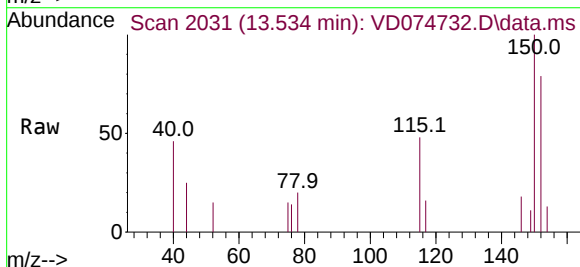
Instrument :
MSVOA_D
ClientSampleId :
371

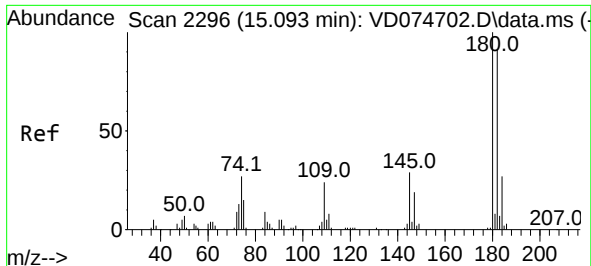
Tgt Ion:146 Resp: 301
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.8#
148 0.0 31.8 95.4#



#88
1,4-Dichlorobenzene
Concen: 1.306 ug/l
RT: 13.534 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VD074732.D
Acq: 04 Nov 2022 12:31

Tgt Ion:146 Resp: 318
Ion Ratio Lower Upper
146 100
111 0.0 17.7 53.1#
148 22.6 32.3 96.9#





#93

1,2,4-Trichlorobenzene

Concen: 2.249 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.005 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

Instrument :

MSVOA_D

ClientSampleId :

371

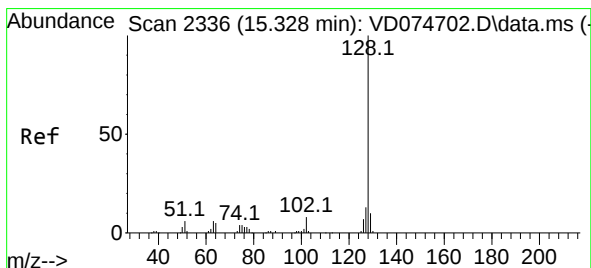
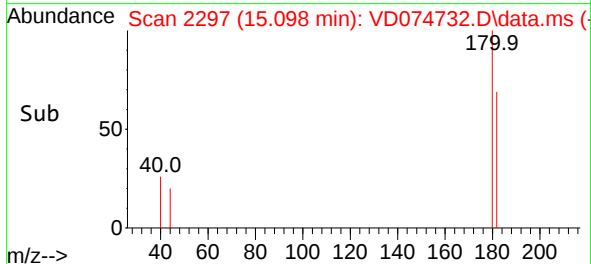
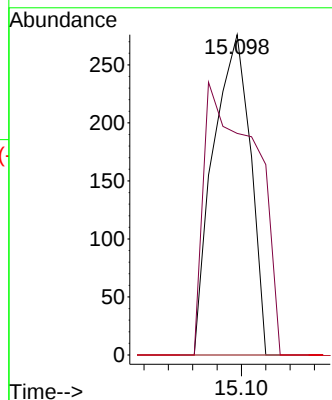
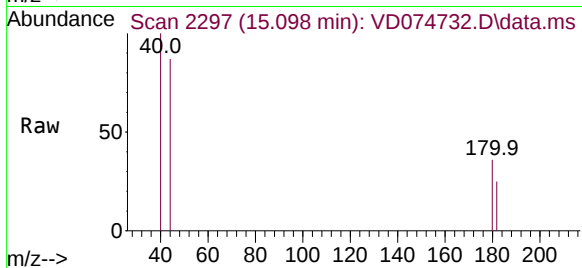
Tgt Ion:180 Resp: 293

Ion Ratio Lower Upper

180 100

182 117.4 46.9 140.6

145 0.0 14.1 42.3#



#95

Naphthalene

Concen: 3.848 ug/l

RT: 15.322 min Scan# 2335

Delta R.T. -0.006 min

Lab File: VD074732.D

Acq: 04 Nov 2022 12:31

Tgt Ion:128 Resp: 963

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.3 12.5#

