

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074741.D
 Acq On : 04 Nov 2022 16:41
 Operator : VA/SY
 Sample : N5418-01
 Misc : 4.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-J

Quant Time: Nov 07 00:28:08 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)

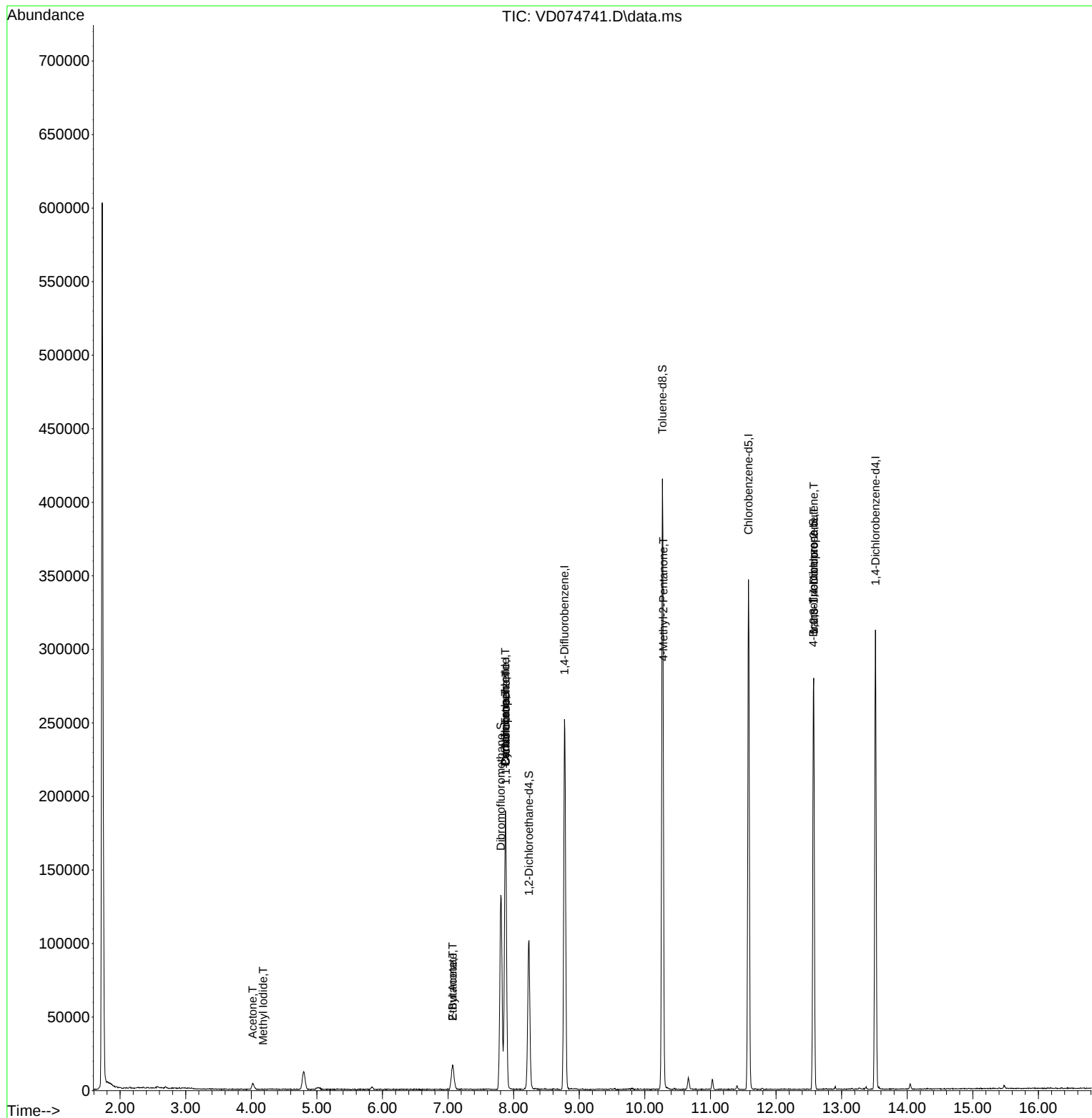
Internal Standards						
1) Pentafluorobenzene	7.875	168	155617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	242582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	215243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	89443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79175	64.238	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.480%	
35) Dibromofluoromethane	7.804	113	99526	69.358	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 138.720%	
50) Toluene-d8	10.269	98	300373	57.385	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.760%	
62) 4-Bromofluorobenzene	12.569	95	86003	56.906	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.820%	
Target Compounds						
						Qvalue
10) Methyl Iodide	4.181	142	333	5.695	ug/l #	43
11) Tert butyl alcohol	5.028	59	1079	Below Cal	#	84
16) Acetone	4.022	43	6456	25.101	ug/l #	81
20) Methylene Chloride	4.811	84	10921	Below Cal		95
25) 2-Butanone	7.069	43	1091	3.085	ug/l #	84
31) Cyclohexane	7.875	56	2604	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	11180	5.133	ug/l #	47
37) Ethyl Acetate	7.069	43	1091	1.502	ug/l #	21
38) Carbon Tetrachloride	7.875	117	14172	6.868	ug/l #	19
51) 4-Methyl-2-Pentanone	10.281	43	886	1.351	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	43256	62.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	43256	148.088	ug/l #	17

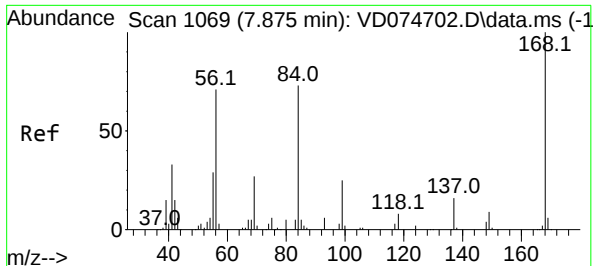
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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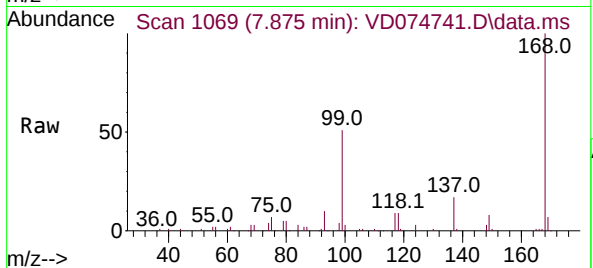
Quant Time: Nov 07 00:28:08 2022
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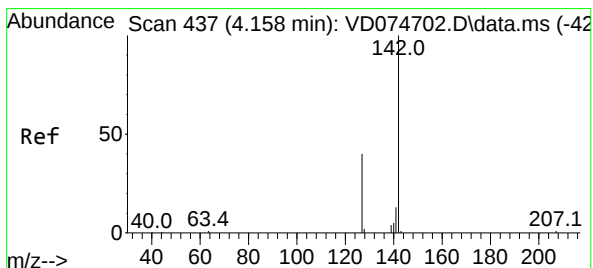
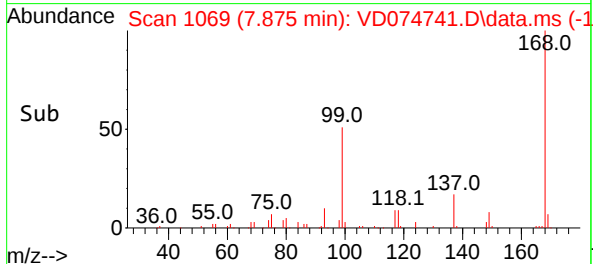
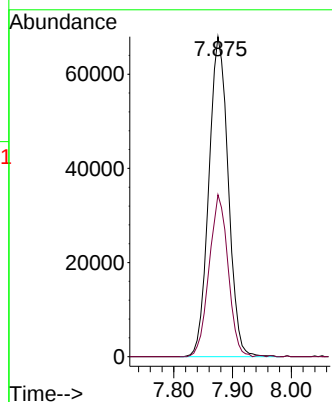


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Instrument :
MSVOA_D
ClientSampleId :
TP-J

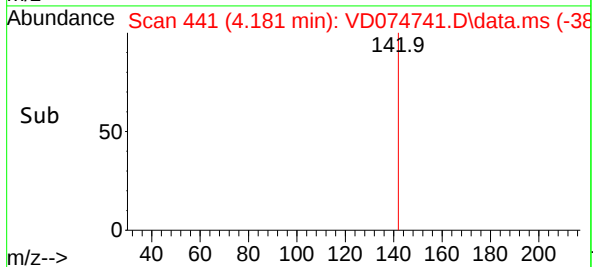
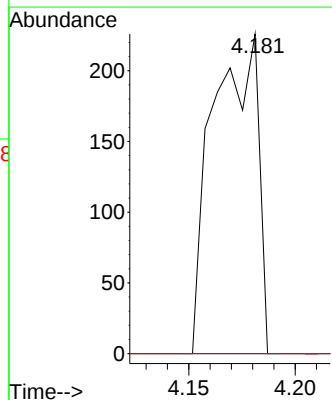
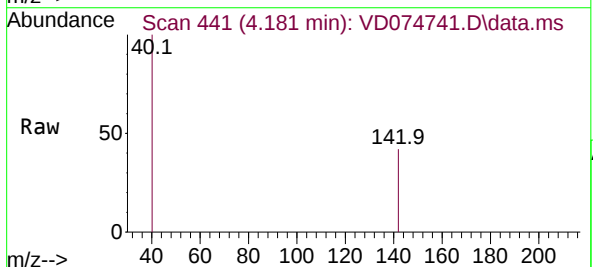


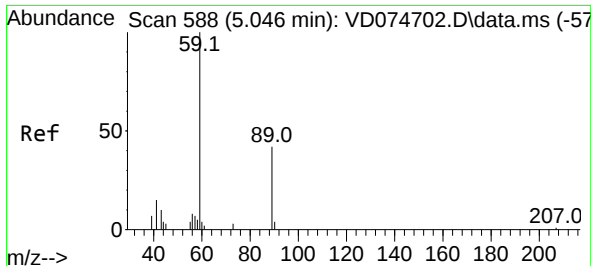
Tgt Ion:168 Resp: 155617
Ion Ratio Lower Upper
168 100
99 50.6 40.9 61.3



#10
Methyl Iodide
Concen: 5.695 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.023 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Tgt Ion:142 Resp: 333
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

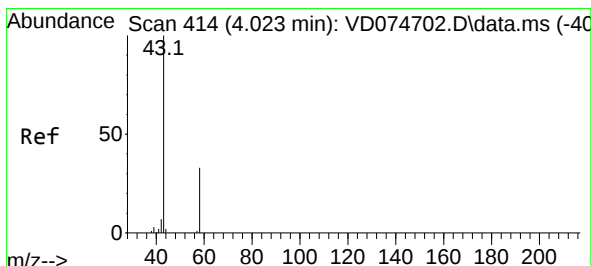
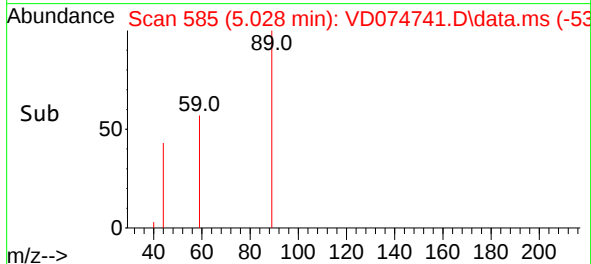
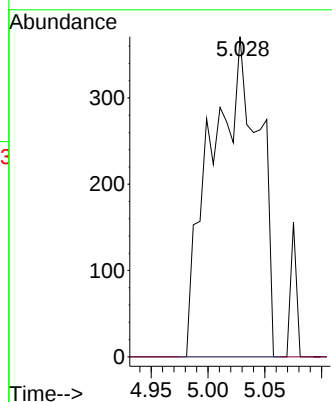
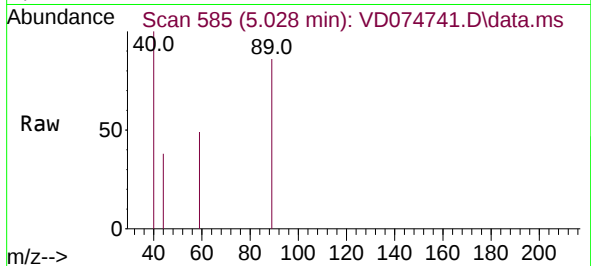




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.028 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

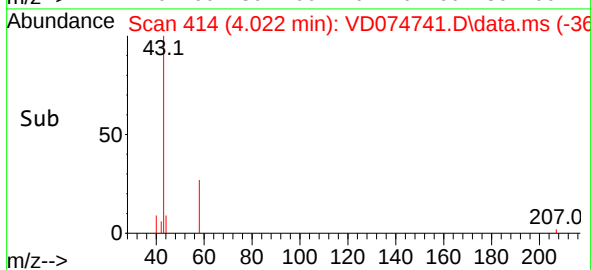
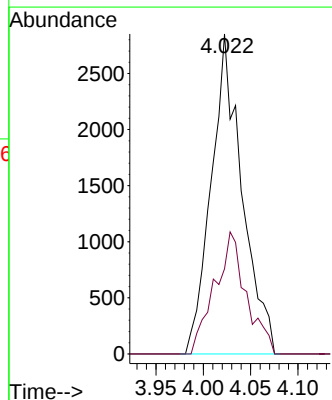
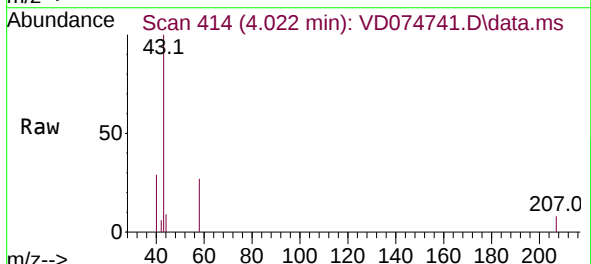
Instrument :
MSVOA_D
ClientSampleId :
TP-J

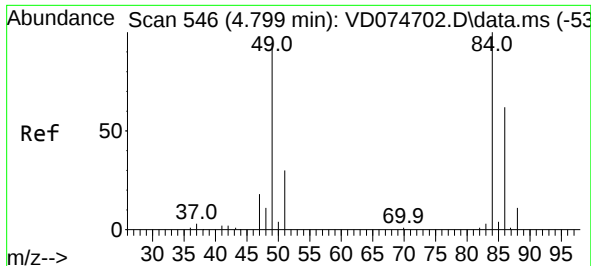
Tgt Ion: 59 Resp: 1079
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 25.101 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.001 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Tgt Ion: 43 Resp: 6456
Ion Ratio Lower Upper
43 100
58 26.6 30.2 45.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.811 min Scan# 546

Delta R.T. 0.012 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

TP-J

Tgt Ion: 84 Resp: 10921

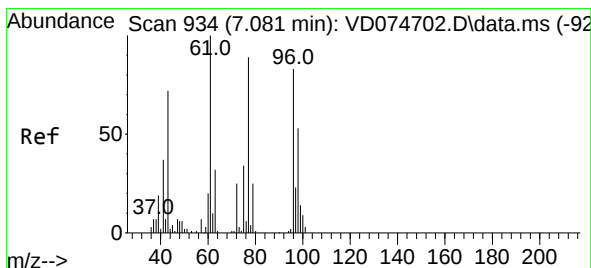
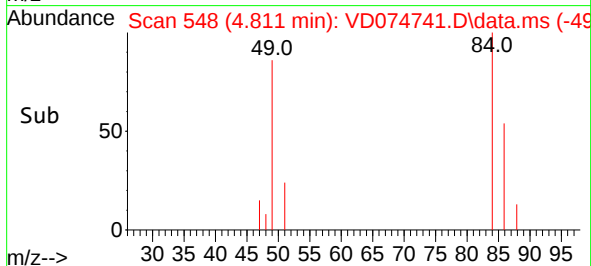
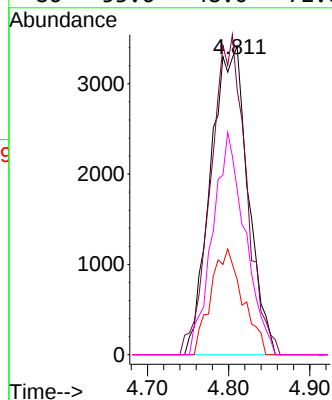
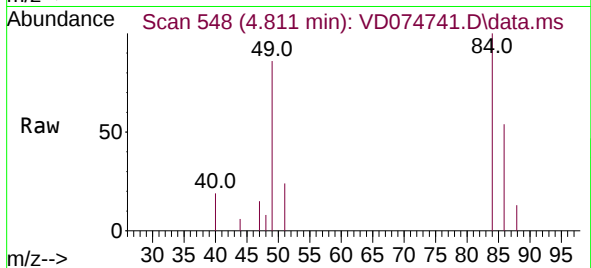
Ion Ratio Lower Upper

84 100

49 85.9 68.0 102.0

51 24.4 23.2 34.8

86 53.6 48.0 72.0



#25

2-Butanone

Concen: 3.085 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.012 min

Lab File: VD074741.D

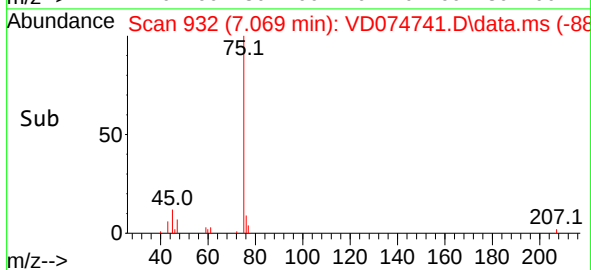
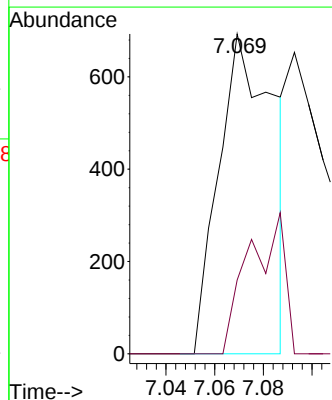
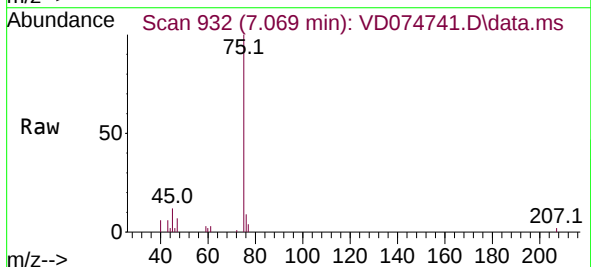
Acq: 04 Nov 2022 16:41

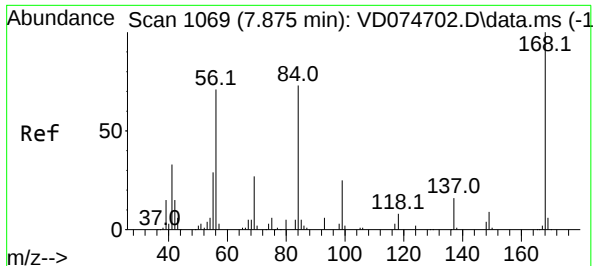
Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

72 23.1 25.8 38.8#

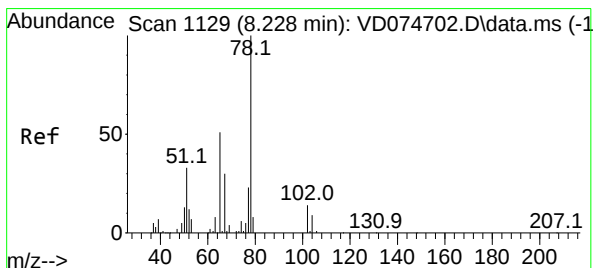
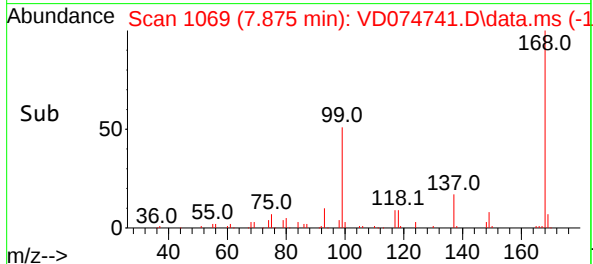
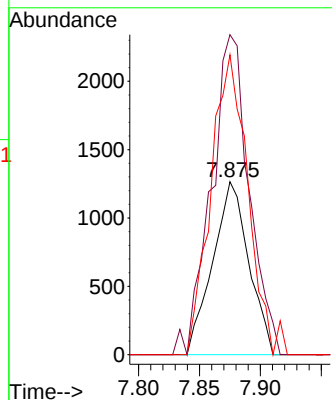
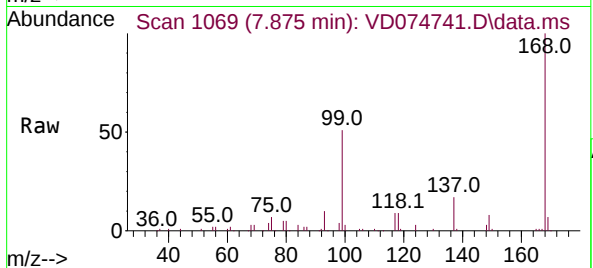




#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

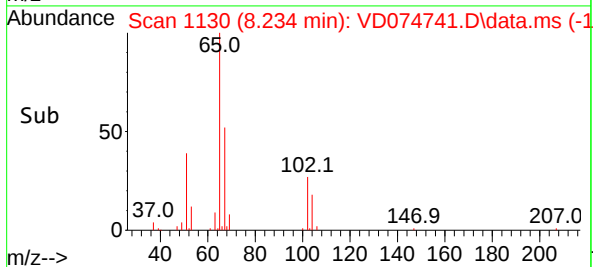
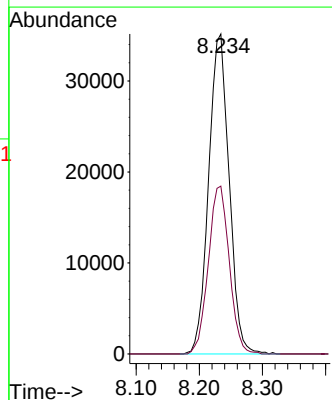
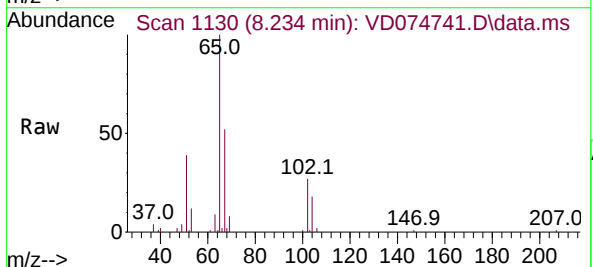
Instrument :
MSVOA_D
ClientSampleId :
TP-J

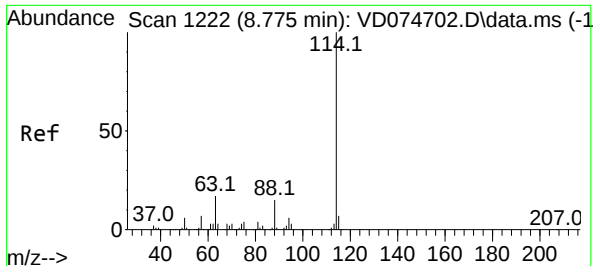
Tgt Ion: 56 Resp: 2604
Ion Ratio Lower Upper
56 100
69 185.1 29.2 43.8#
84 173.4 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 64.238 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Tgt Ion: 65 Resp: 79175
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

TP-J

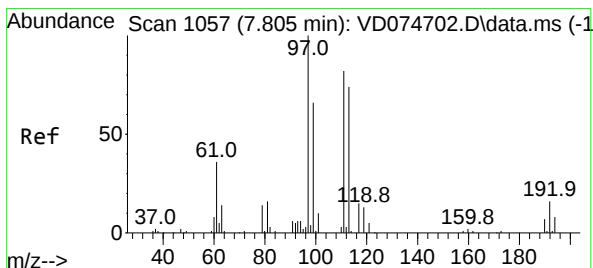
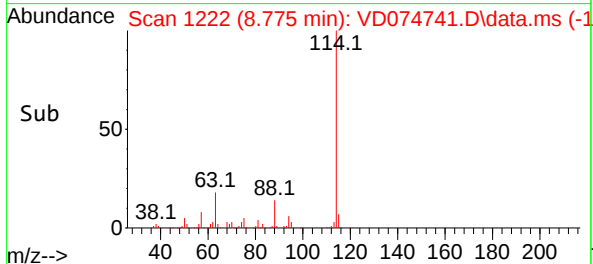
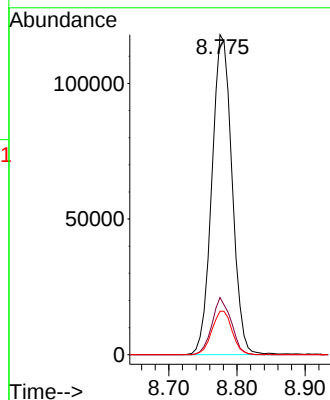
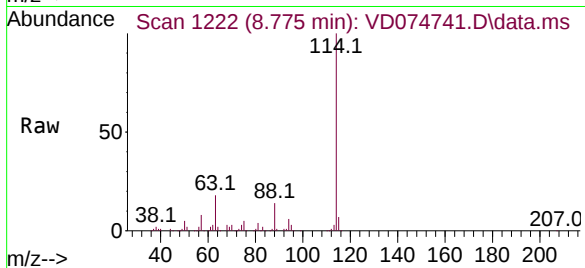
Tgt Ion:114 Resp: 242582

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.2

88 13.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 69.358 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

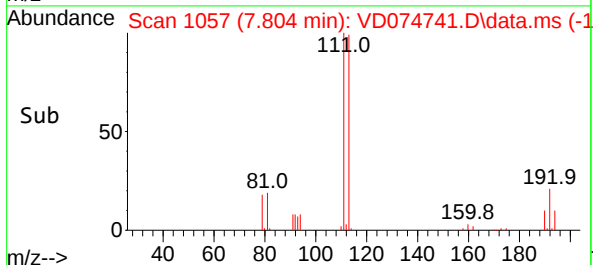
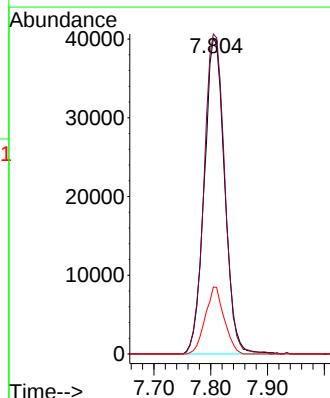
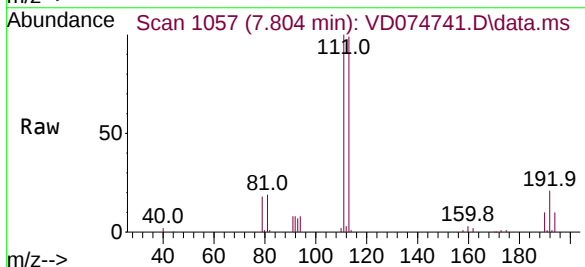
Tgt Ion:113 Resp: 99526

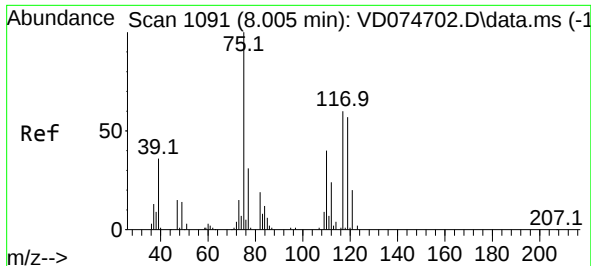
Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

192 19.7 16.4 24.6

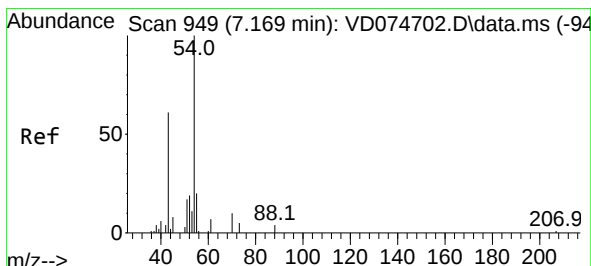
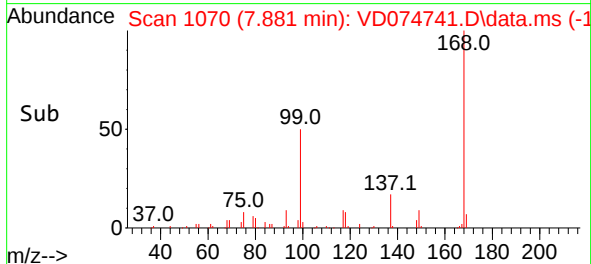
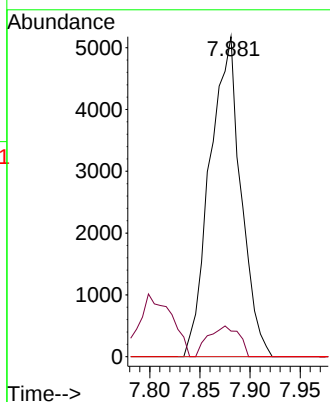
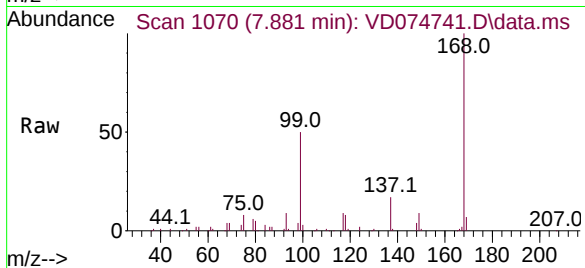




#36
1,1-Dichloropropene
Concen: 5.133 ug/l
RT: 7.881 min Scan# 11180
Delta R.T. -0.124 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

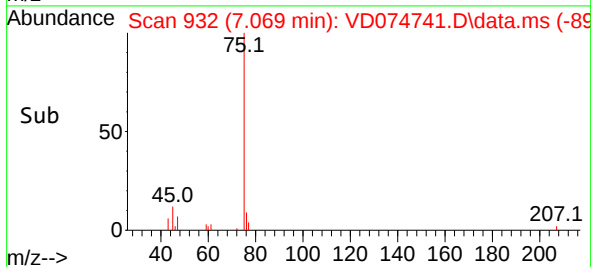
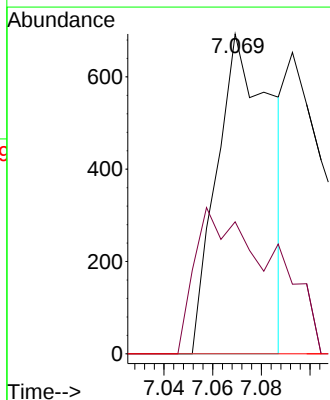
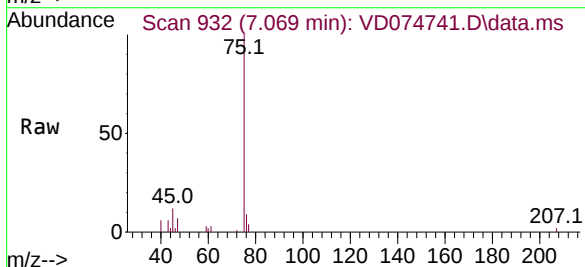
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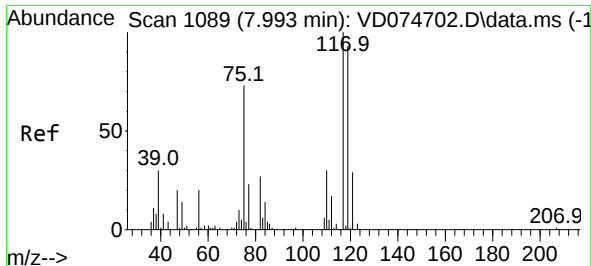
Tgt Ion: 75 Resp: 11180
Ion Ratio Lower Upper
75 100
110 9.4 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 1.502 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.100 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
61 63.9 12.2 18.4#
70 0.0 9.6 14.4#





#38

Carbon Tetrachloride

Concen: 6.868 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

TP-J

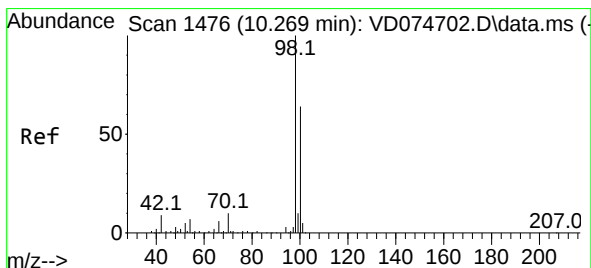
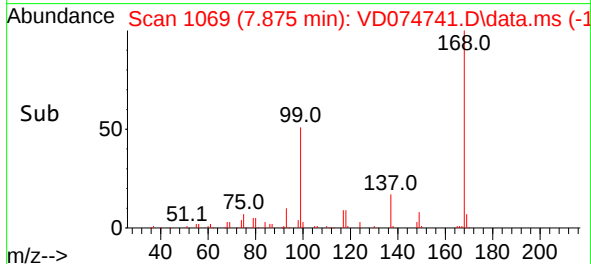
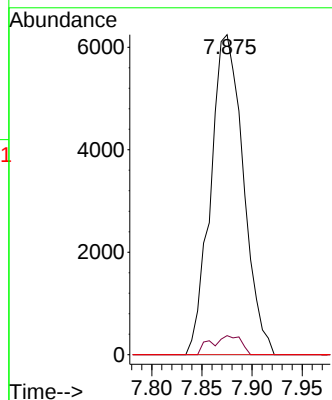
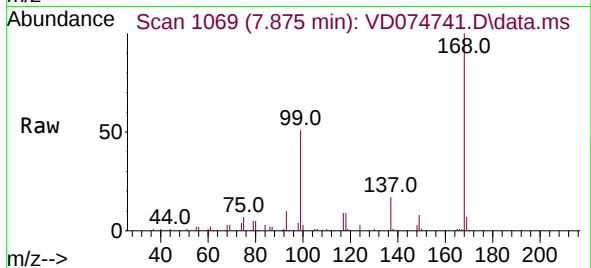
Tgt Ion:117 Resp: 14172

Ion Ratio Lower Upper

117 100

119 5.9 73.1 109.7#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 57.385 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074741.D

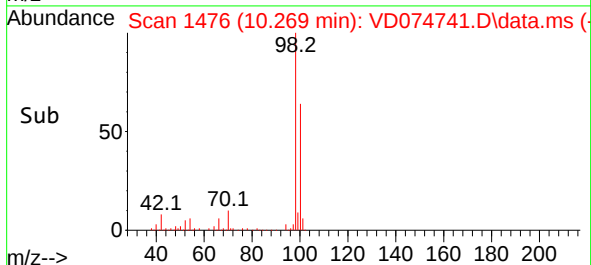
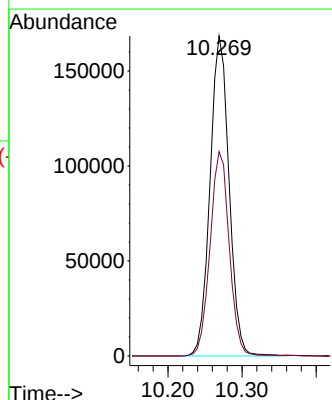
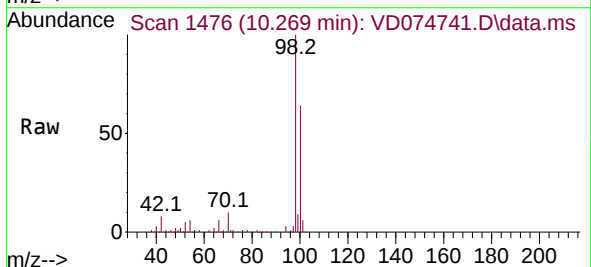
Acq: 04 Nov 2022 16:41

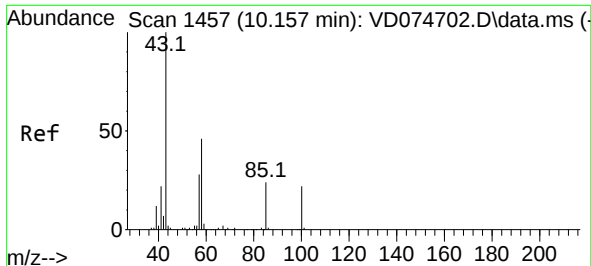
Tgt Ion: 98 Resp: 300373

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.351 ug/l

RT: 10.281 min Scan# 1457

Delta R.T. 0.124 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

Instrument :

MSVOA_D

ClientSampleId :

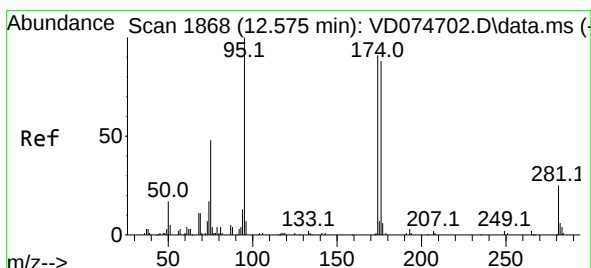
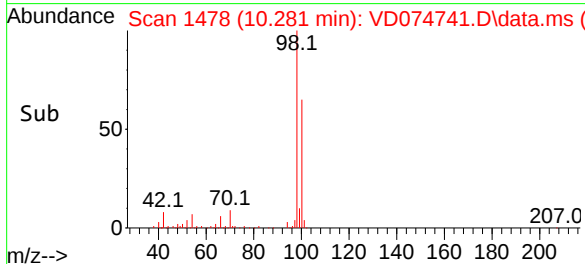
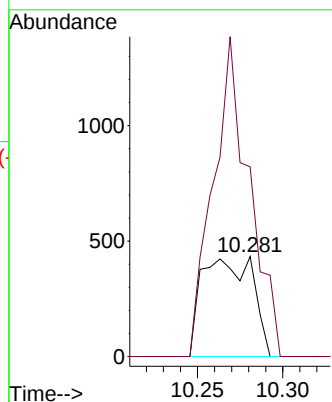
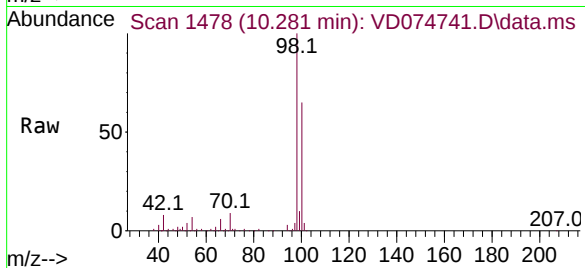
TP-J

Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

43 100

58 229.3 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 56.906 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD074741.D

Acq: 04 Nov 2022 16:41

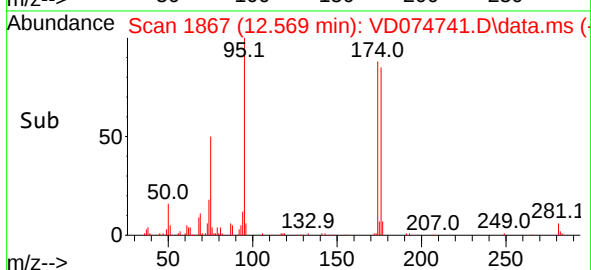
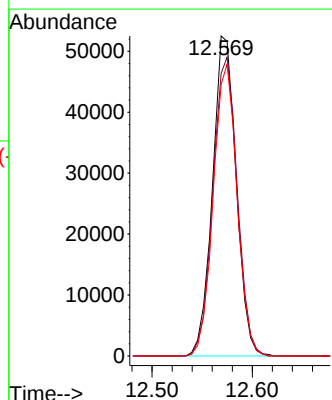
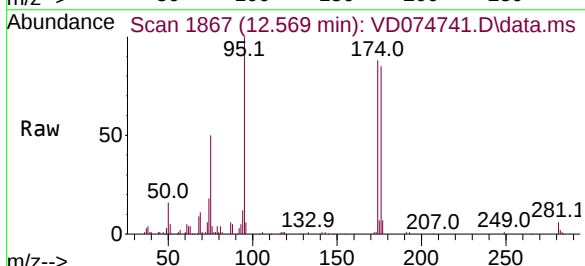
Tgt Ion: 95 Resp: 86003

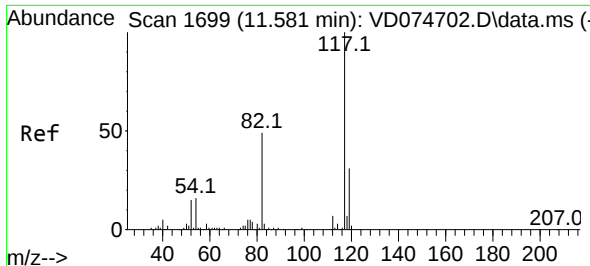
Ion Ratio Lower Upper

95 100

174 96.0 0.0 197.0

176 91.4 0.0 182.6

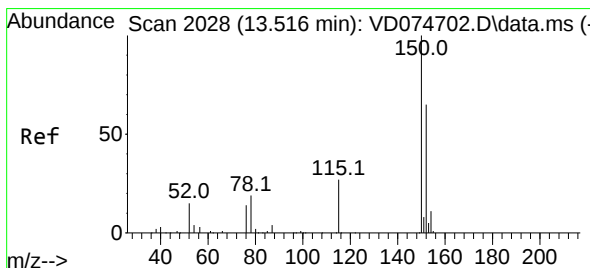
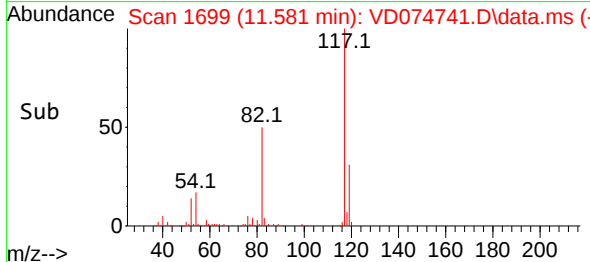
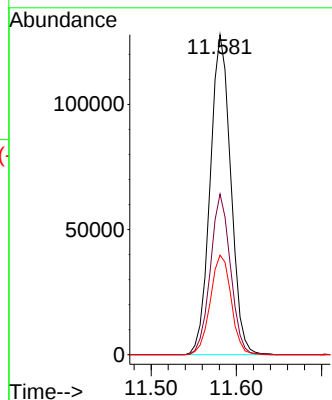
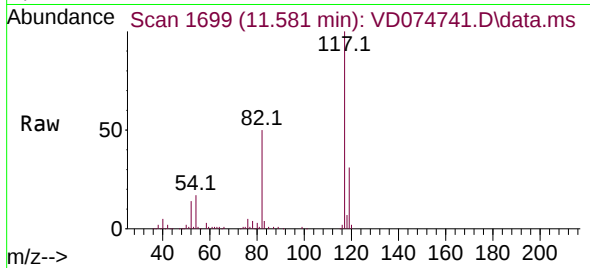




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

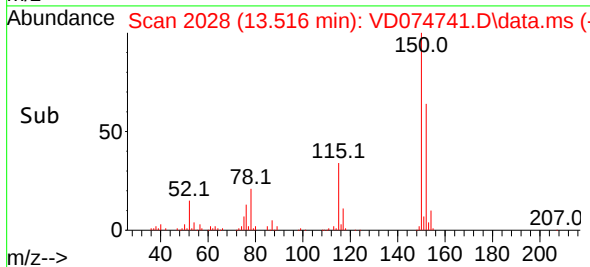
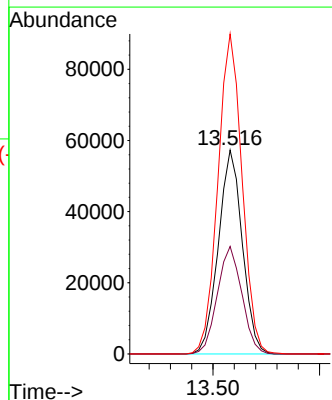
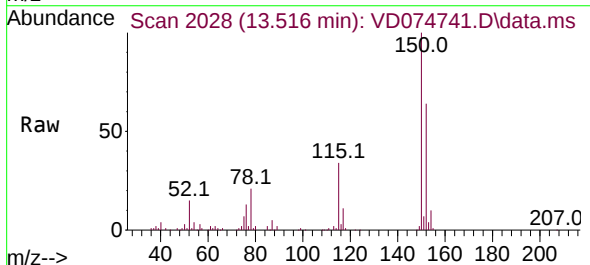
Instrument :
MSVOA_D
ClientSampleId :
TP-J

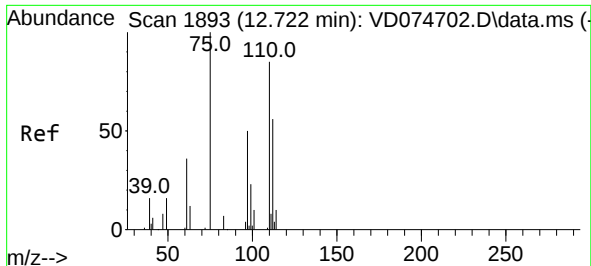
Tgt Ion:117 Resp: 215243
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 31.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Tgt Ion:152 Resp: 89443
Ion Ratio Lower Upper
152 100
115 53.7 26.8 80.4
150 158.0 0.0 348.2

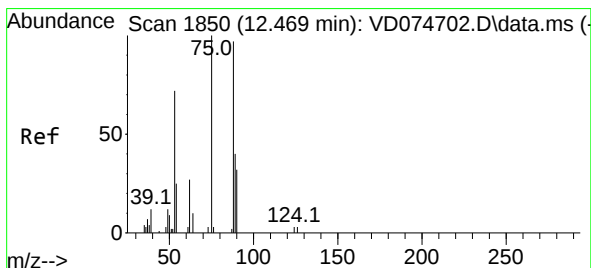
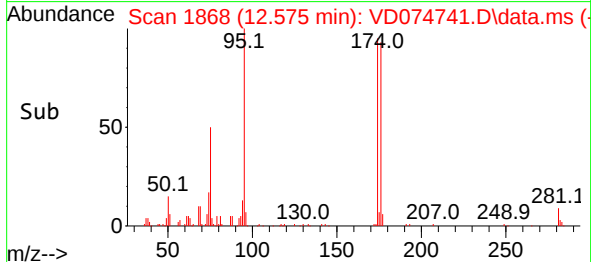
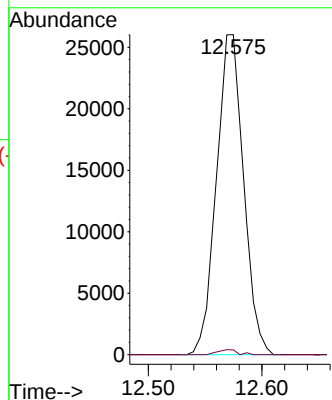
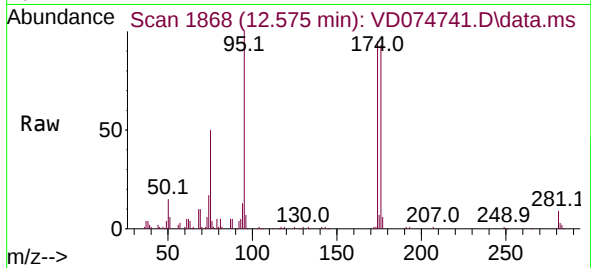




#76
1,2,3-Trichloropropane
Concen: 62.385 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Instrument :
MSVOA_D
ClientSampleId :
TP-J

Tgt Ion: 75 Resp: 43256
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.088 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074741.D
Acq: 04 Nov 2022 16:41

Tgt Ion: 75 Resp: 43256
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

