

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111022\
 Data File : VD074873.D
 Acq On : 10 Nov 2022 17:43
 Operator : VA/SY
 Sample : N5520-05RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124042RE

Quant Time: Nov 11 07:18:58 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)

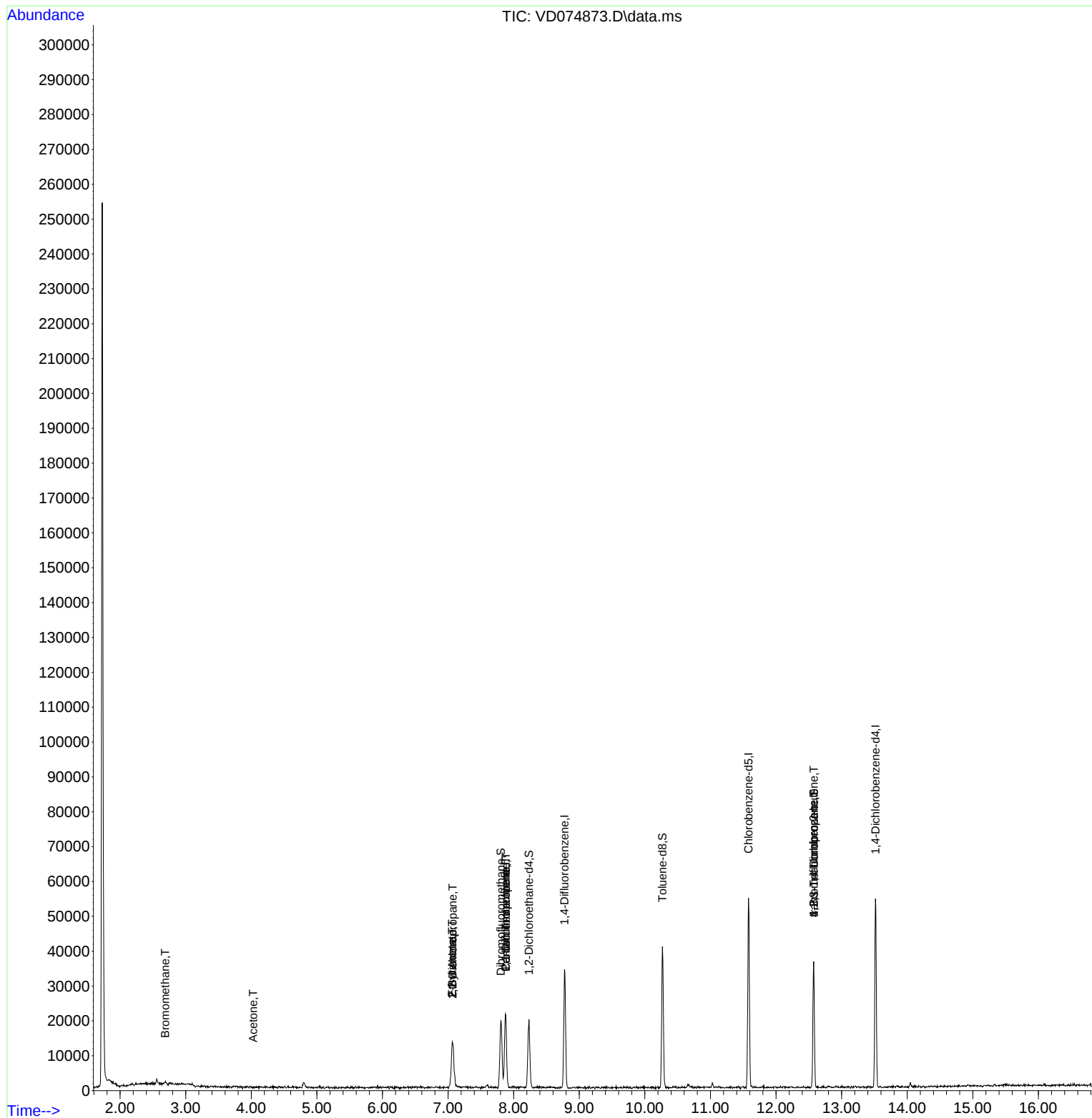
Internal Standards						
1) Pentafluorobenzene	7.881	168	18500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	32265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	35479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	16842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	15158	103.451	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 206.900%#			
35) Dibromofluoromethane	7.804	113	14402	75.458	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 150.920%#			
50) Toluene-d8	10.269	98	30607	43.963	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.920%			
62) 4-Bromofluorobenzene	12.575	95	11640	57.906	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.820%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	262	1.300	ug/l #	37
16) Acetone	4.028	43	134	4.382	ug/l #	37
20) Methylene Chloride	4.810	84	1066	Below Cal	#	79
25) 2-Butanone	7.063	43	232	5.518	ug/l #	42
26) 2,2-Dichloropropane	7.069	77	927	3.026	ug/l #	50
36) 1,1-Dichloropropene	7.881	75	1120	3.866	ug/l #	39
37) Ethyl Acetate	7.063	43	232	2.401	ug/l #	1
38) Carbon Tetrachloride	7.881	117	1743	6.350	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	5121	39.223	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	5121	93.107	ug/l #	17

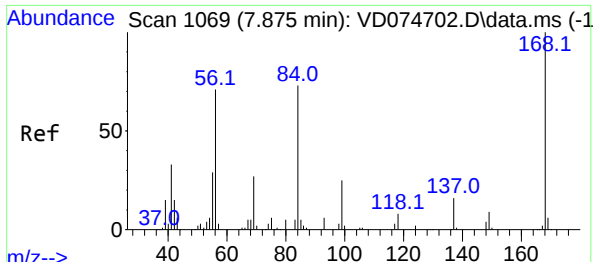
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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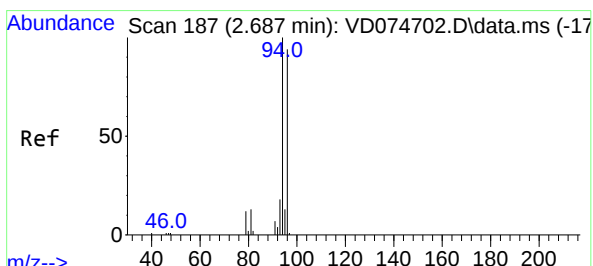
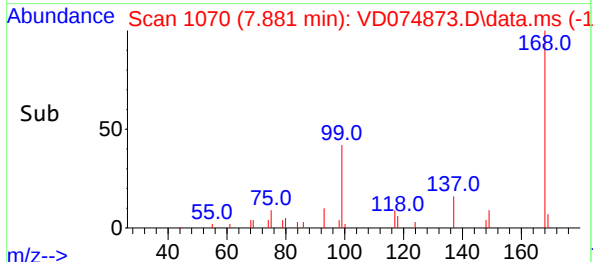
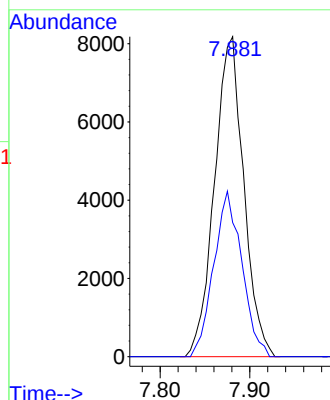
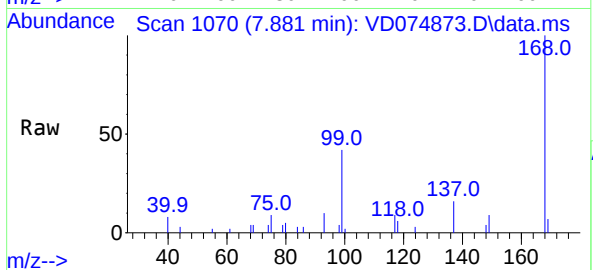




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

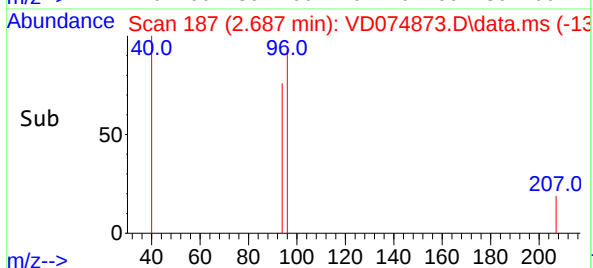
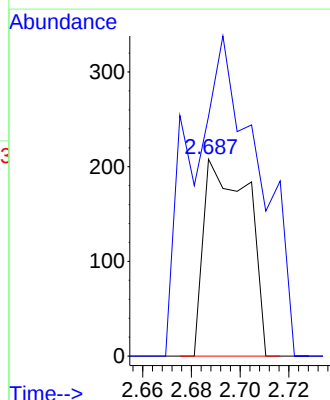
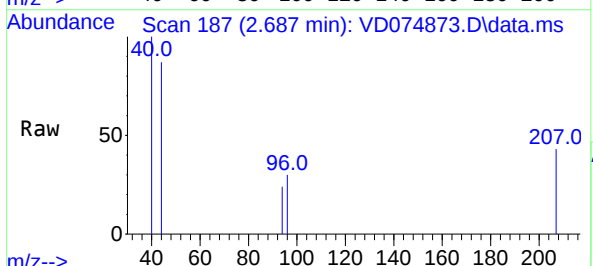
Instrument :
MSVOA_D
ClientSampleId :
124042RE

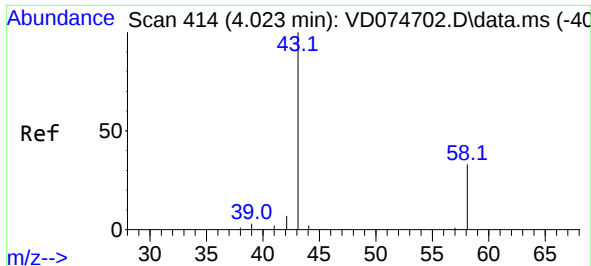
Tgt Ion:168 Resp: 18500
Ion Ratio Lower Upper
168 100
99 41.9 40.9 61.3



#5
Bromomethane
Concen: 1.300 ug/l
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 32.7 74.6 112.0#

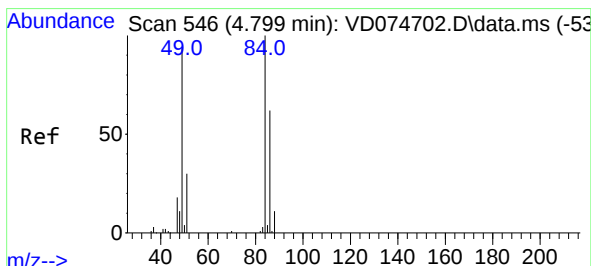
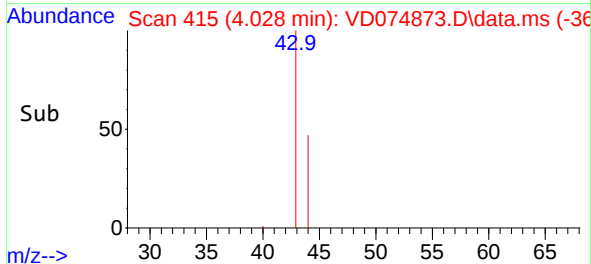
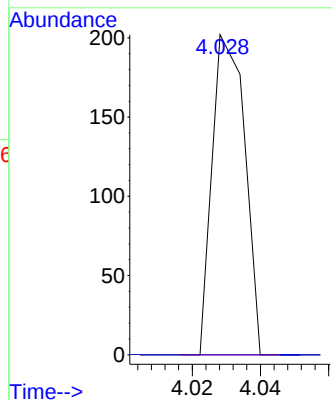
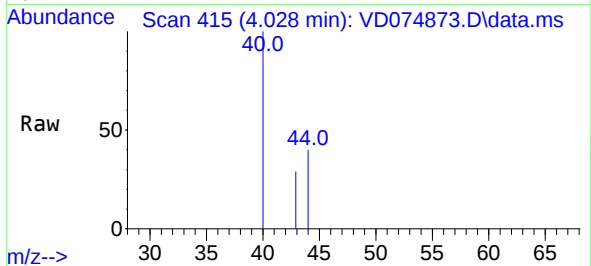




#16
Acetone
Concen: 4.382 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

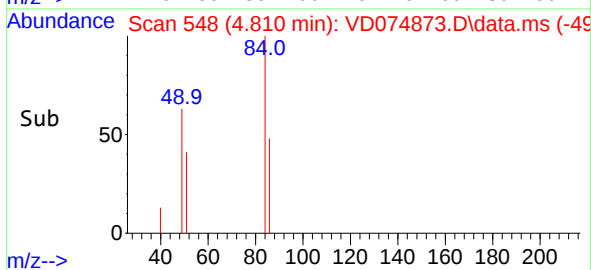
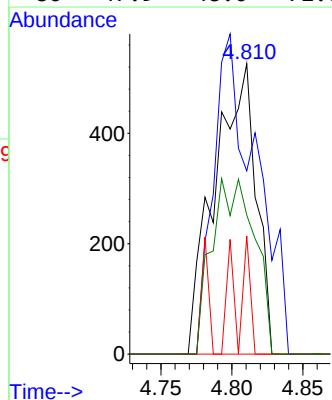
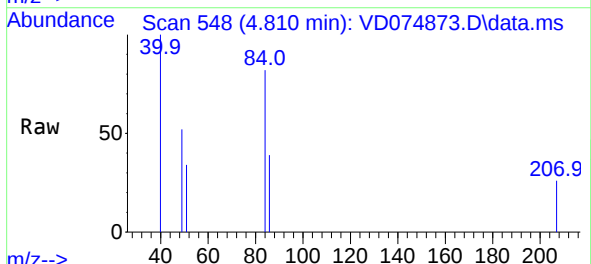
Instrument :
MSVOA_D
ClientSampleId :
124042RE

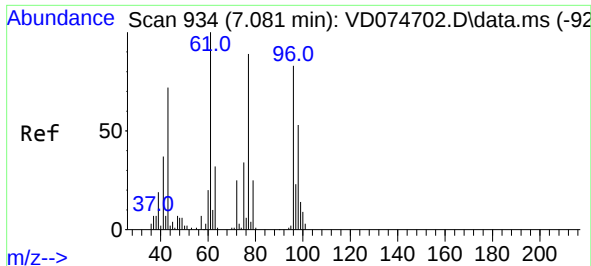
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. 0.011 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

Tgt Ion: 84 Resp: 1066
Ion Ratio Lower Upper
84 100
49 63.1 68.0 102.0#
51 40.7 23.2 34.8#
86 47.9 48.0 72.0#





#25

2-Butanone

Concen: 5.518 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD074873.D

Acq: 10 Nov 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

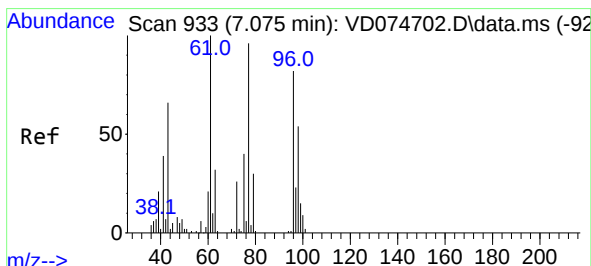
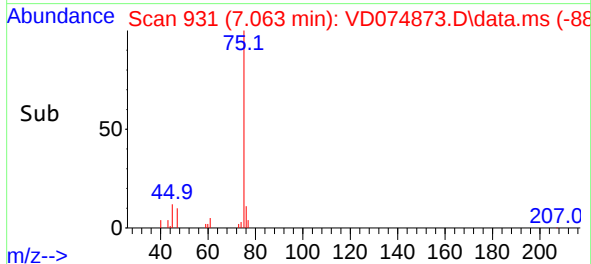
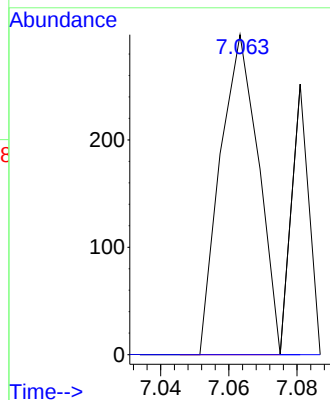
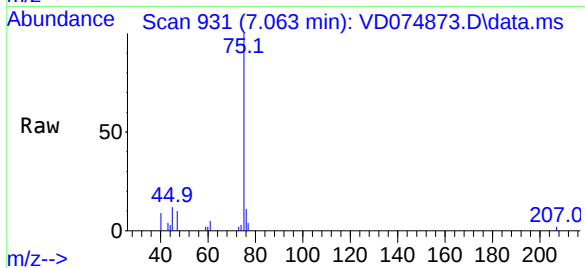
124042RE

Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#26

2,2-Dichloropropane

Concen: 3.026 ug/l

RT: 7.069 min Scan# 932

Delta R.T. -0.006 min

Lab File: VD074873.D

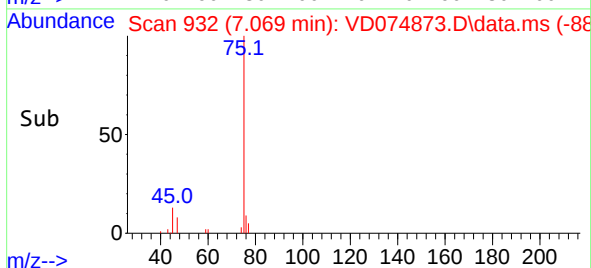
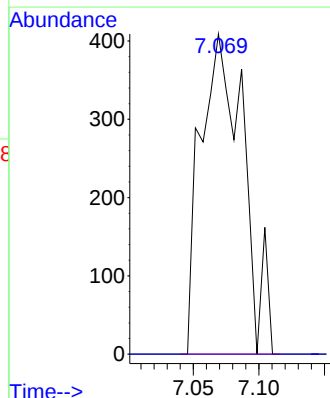
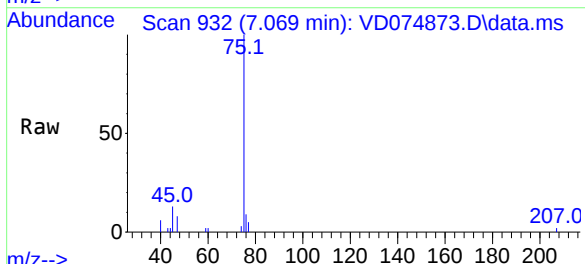
Acq: 10 Nov 2022 17:43

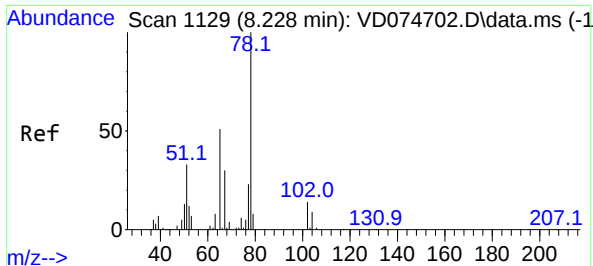
Tgt Ion: 77 Resp: 927

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 103.451 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074873.D

Acq: 10 Nov 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

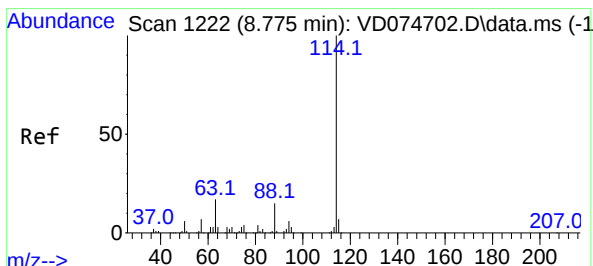
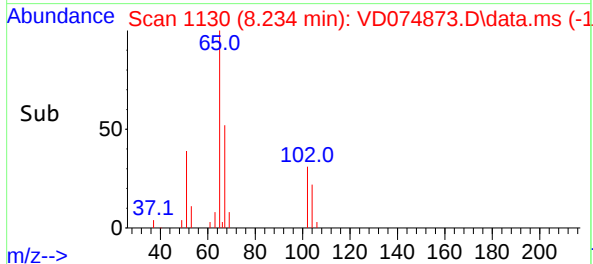
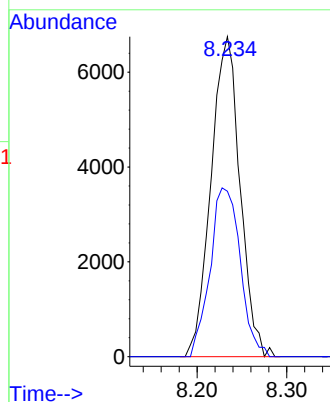
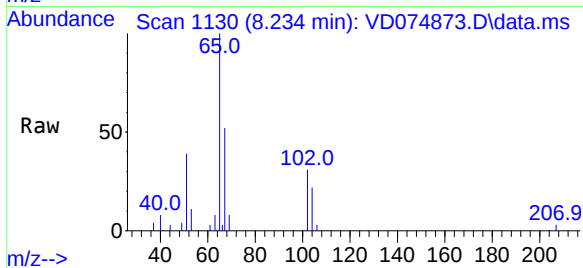
124042RE

Tgt Ion: 65 Resp: 15158

Ion Ratio Lower Upper

65 100

67 54.9 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: VD074873.D

Acq: 10 Nov 2022 17:43

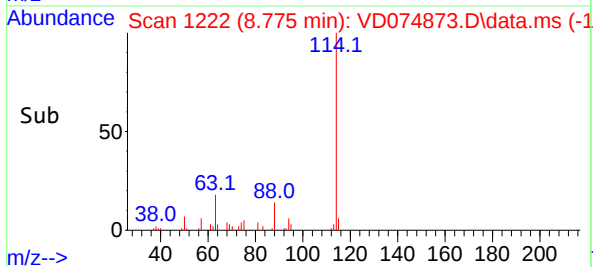
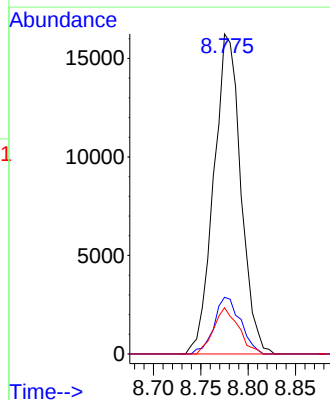
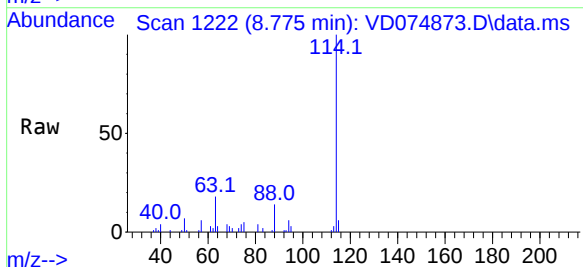
Tgt Ion: 114 Resp: 32265

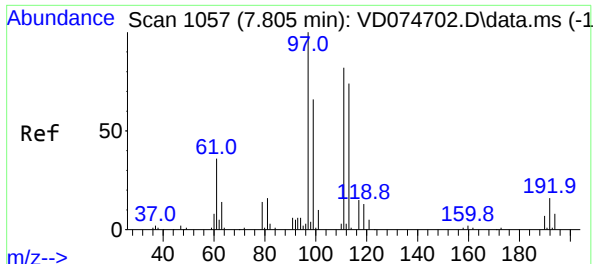
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.2

88 14.5 0.0 28.2

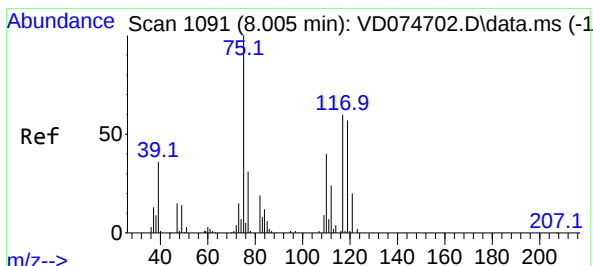
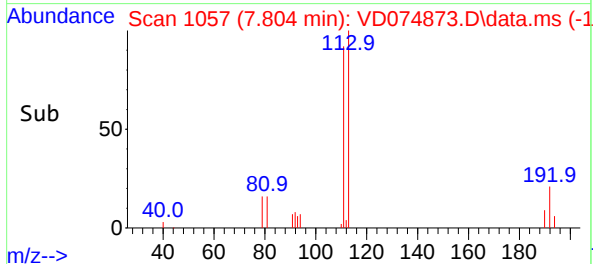
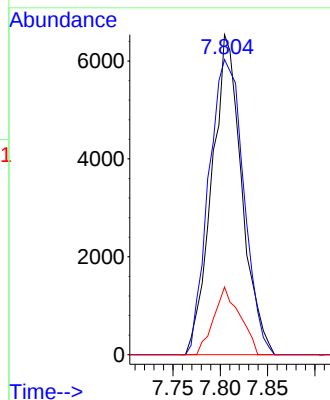
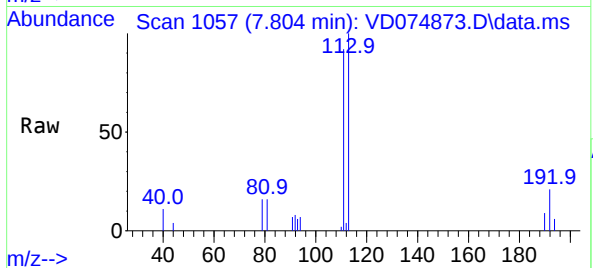




#35
Dibromofluoromethane
Concen: 75.458 ug/l
RT: 7.804 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

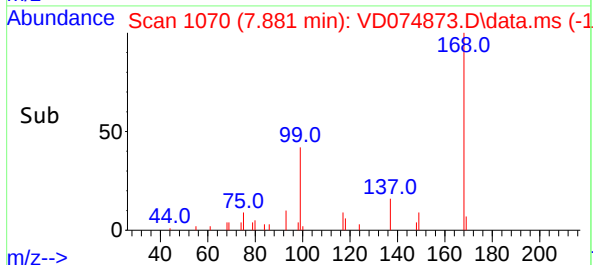
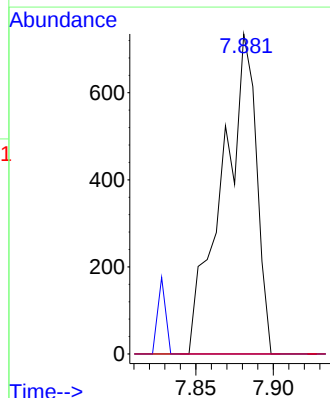
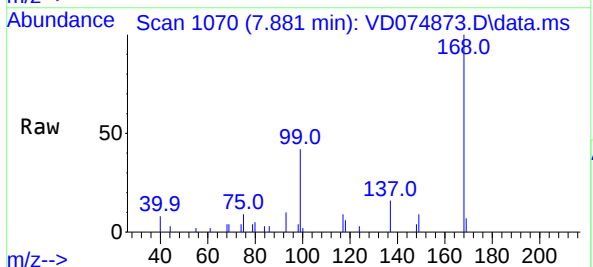
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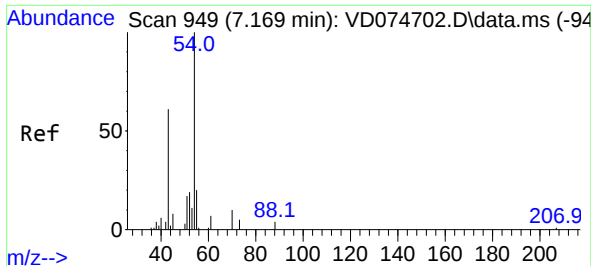
Tgt Ion:	113	Resp:	14402
Ion	Ratio	Lower	Upper
113	100		
111	107.2	82.3	123.5
192	18.4	16.4	24.6



#36
1,1-Dichloropropene
Concen: 3.866 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

Tgt Ion:	75	Resp:	1120
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.0#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 2.401 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.106 min

Lab File: VD074873.D

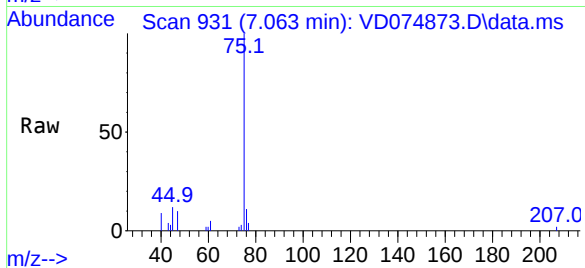
Acq: 10 Nov 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

124042RE



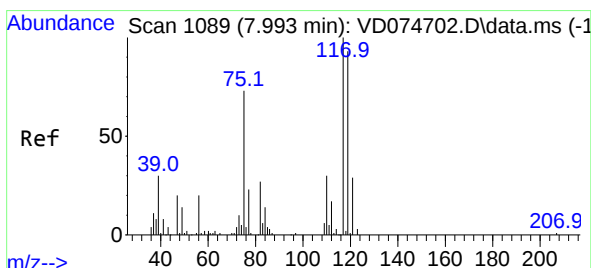
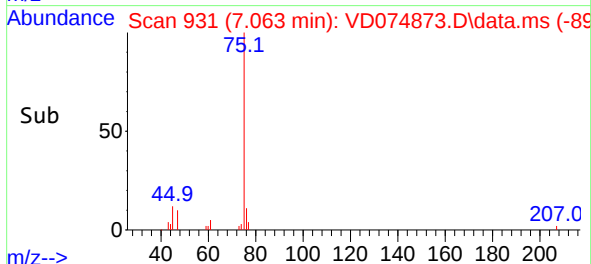
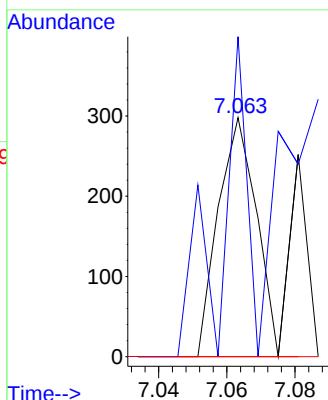
Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

61 93.1 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.350 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD074873.D

Acq: 10 Nov 2022 17:43

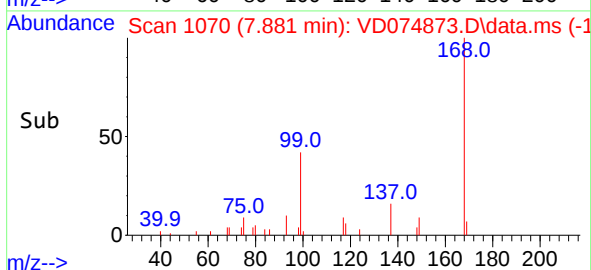
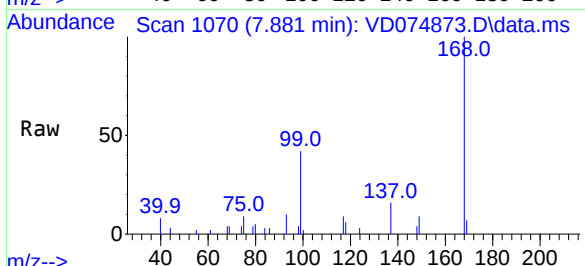
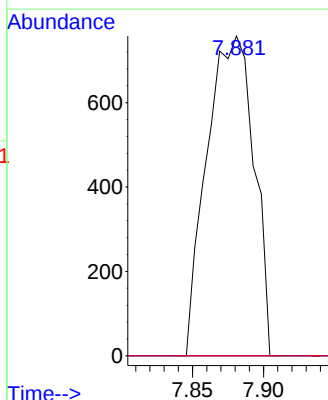
Tgt Ion: 117 Resp: 1743

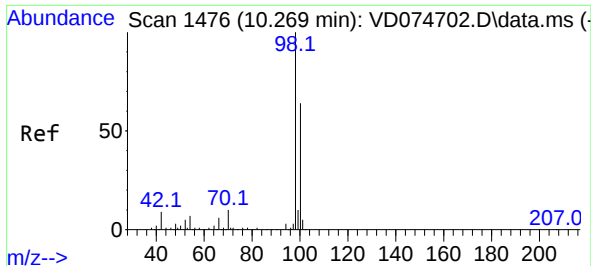
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

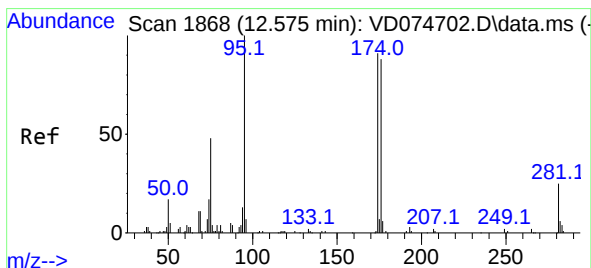
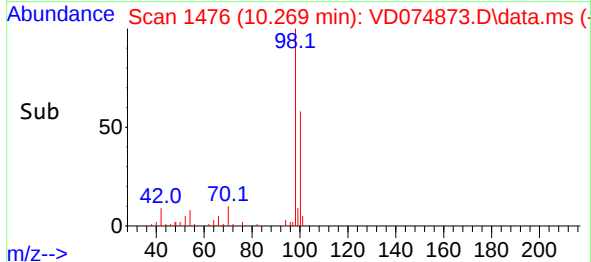
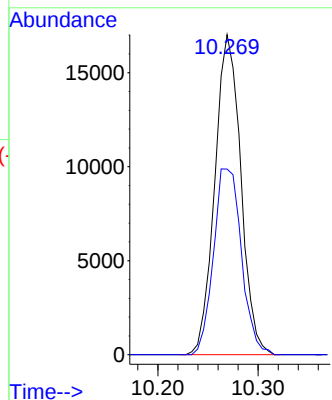
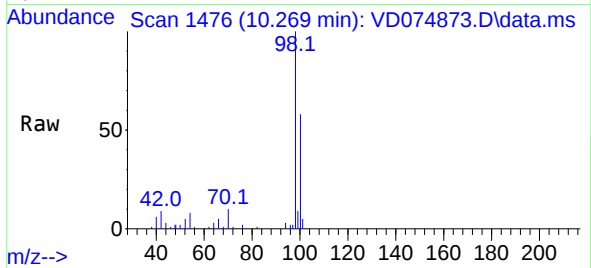




#50
Toluene-d8
Concen: 43.963 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

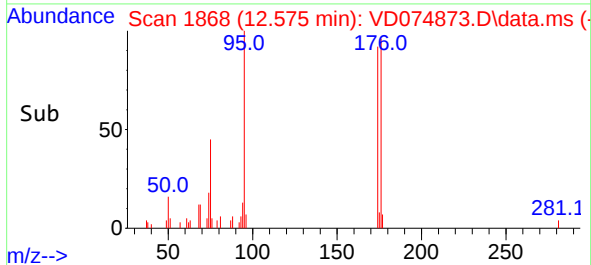
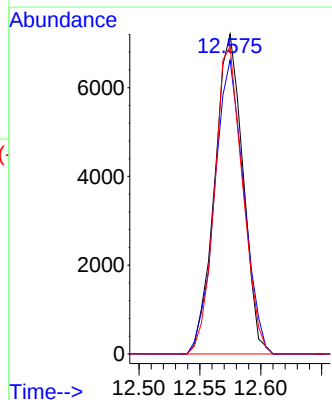
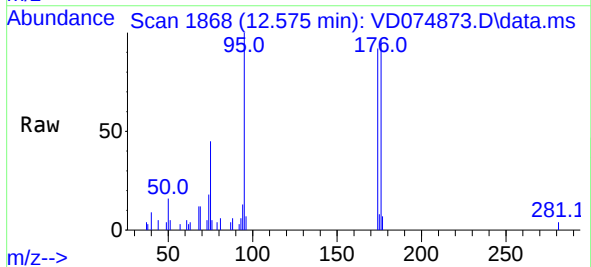
Instrument :
MSVOA_D
ClientSampleId :
124042RE

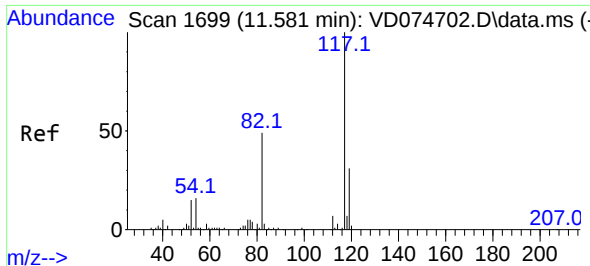
Tgt Ion: 98 Resp: 30607
Ion Ratio Lower Upper
98 100
100 62.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 57.906 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

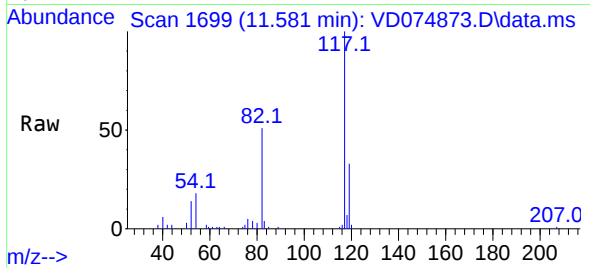
Tgt Ion: 95 Resp: 11640
Ion Ratio Lower Upper
95 100
174 94.9 0.0 197.0
176 95.2 0.0 182.6



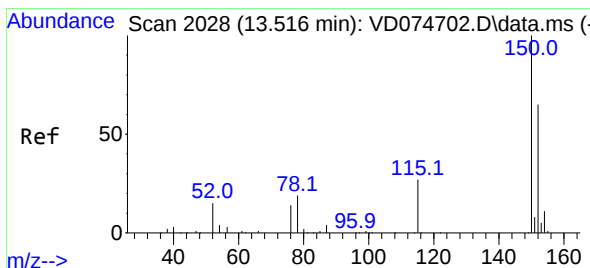
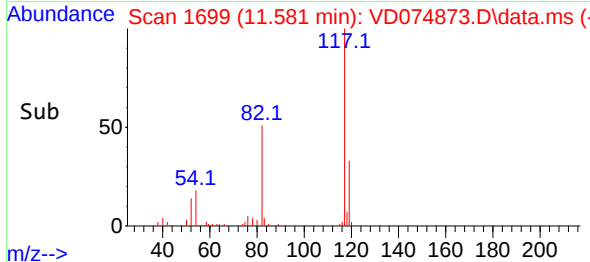
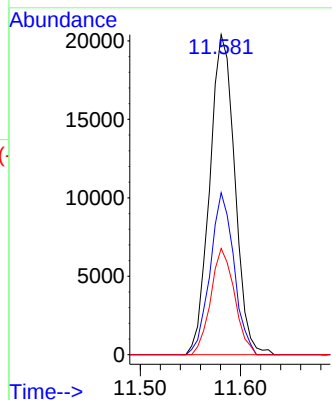


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

Instrument :
MSVOA_D
ClientSampleId :
124042RE

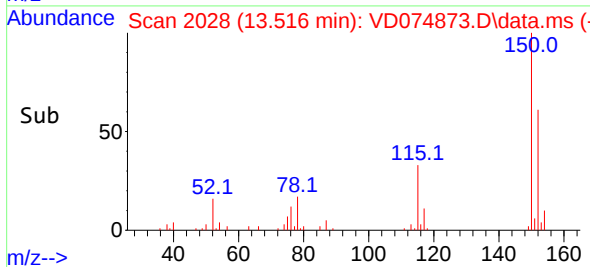
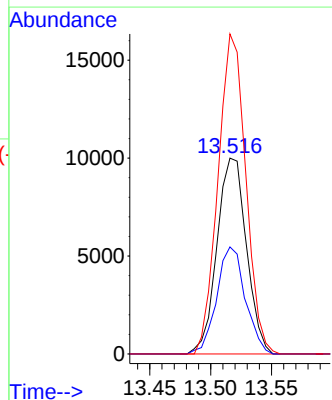
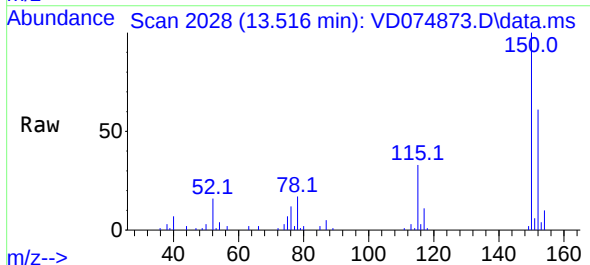


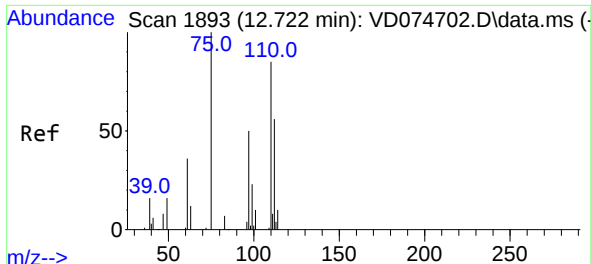
Tgt Ion:117 Resp: 35479
Ion Ratio Lower Upper
117 100
82 50.6 41.6 62.4
119 33.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

Tgt Ion:152 Resp: 16842
Ion Ratio Lower Upper
152 100
115 53.1 26.8 80.4
150 154.1 0.0 348.2

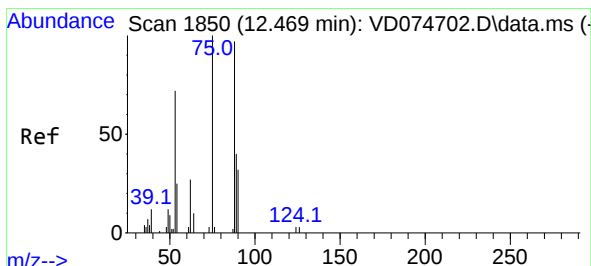
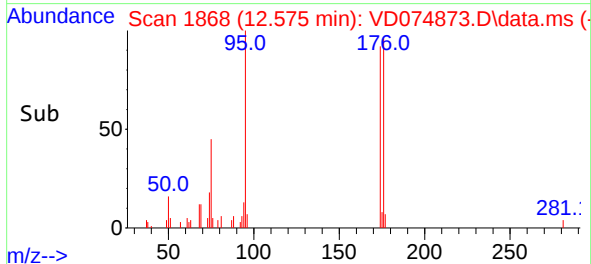
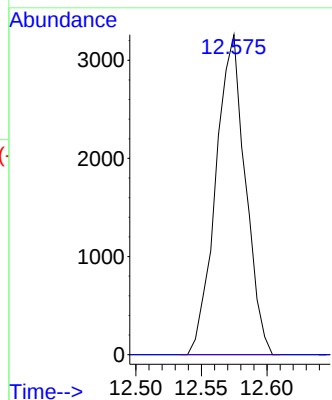
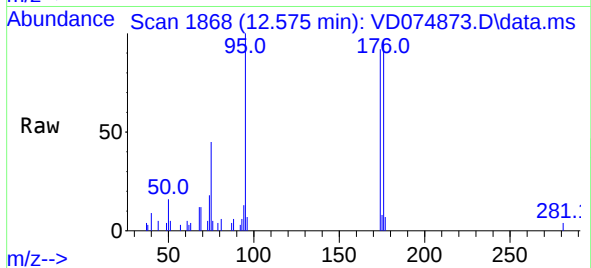




#76
1,2,3-Trichloropropane
Concen: 39.223 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

Instrument :
MSVOA_D
ClientSampleId :
124042RE

Tgt Ion: 75 Resp: 5121
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.107 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074873.D
Acq: 10 Nov 2022 17:43

Tgt Ion: 75 Resp: 5121
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

