

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110822\
 Data File : VD074801.D
 Acq On : 08 Nov 2022 13:44
 Operator : VA/SY
 Sample : N5415-05
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 14:49:14 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)

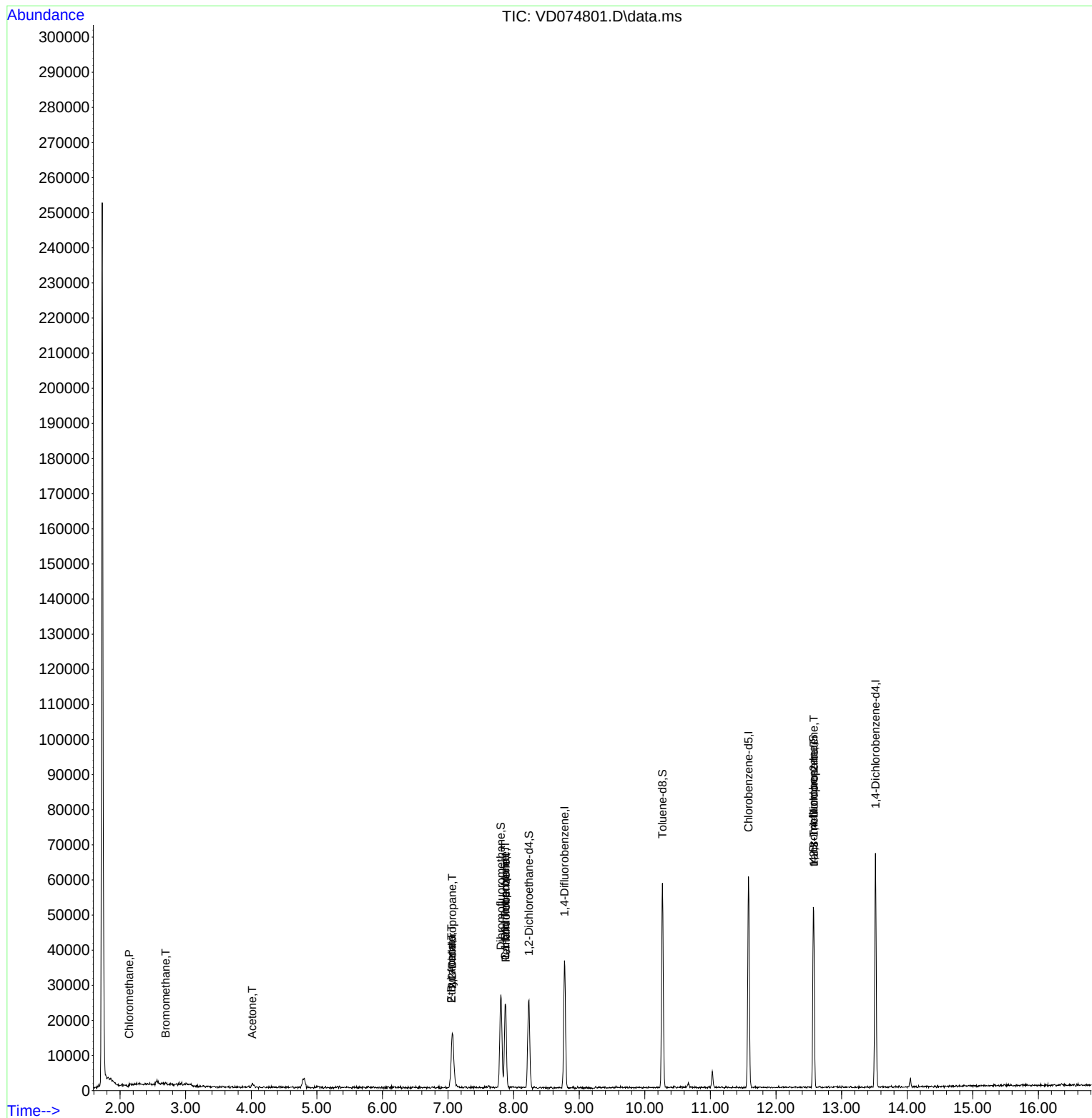
Internal Standards						
1) Pentafluorobenzene	7.881	168	20816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	35627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	38137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	19108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	20002	121.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 242.640%#			
35) Dibromofluoromethane	7.805	113	20108	95.413	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 190.820%#			
50) Toluene-d8	10.269	98	44084	57.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.700%			
62) 4-Bromofluorobenzene	12.569	95	16737	75.405	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 150.800%#			
Target Compounds						Qvalue
3) Chloromethane	2.140	50	294	1.078	ug/l #	84
5) Bromomethane	2.693	94	303	1.337	ug/l #	30
11) Tert butyl alcohol	5.011	59	54	Below Cal	#	84
16) Acetone	4.016	43	1478	42.959	ug/l #	86
20) Methylene Chloride	4.793	84	2504	Below Cal	#	91
25) 2-Butanone	7.052	43	223	4.714	ug/l #	42
26) 2,2-Dichloropropane	7.063	77	1067	3.096	ug/l #	50
36) 1,1-Dichloropropene	7.869	75	1259	3.936	ug/l #	39
37) Ethyl Acetate	7.052	43	223	2.090	ug/l #	1
38) Carbon Tetrachloride	7.875	117	1760	5.807	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	8234	55.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	8234	131.952	ug/l #	17

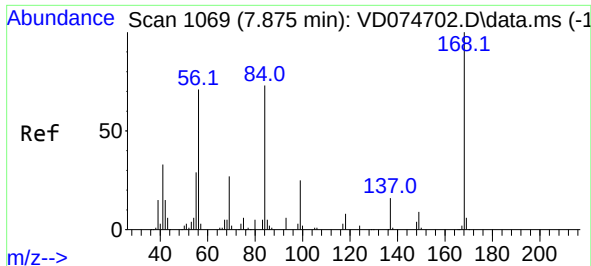
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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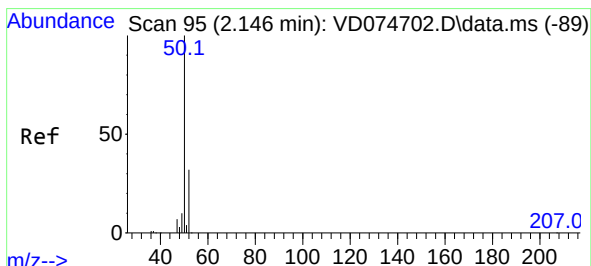
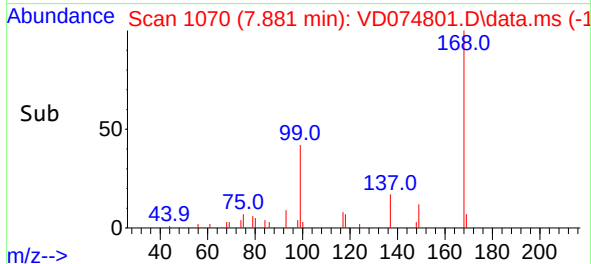
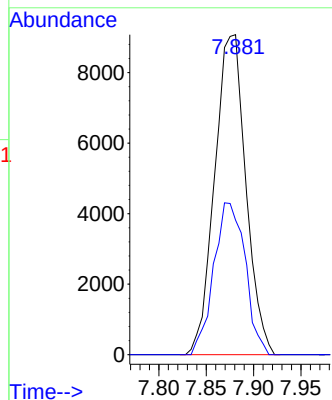
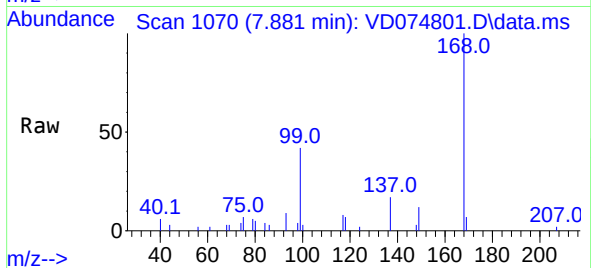




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

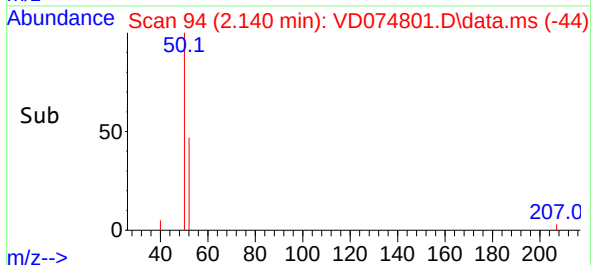
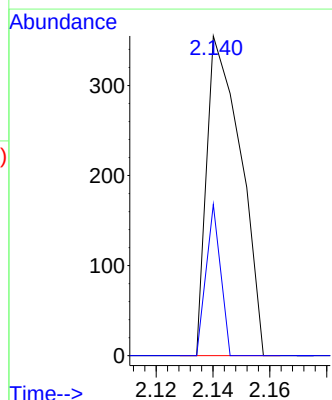
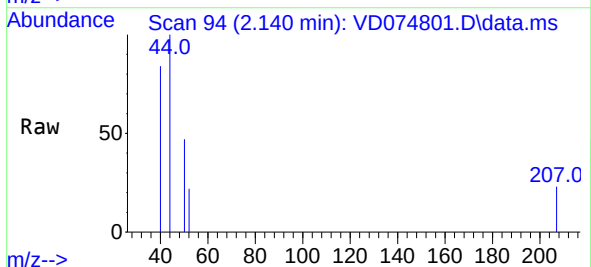
Instrument :
MSVOA_D
ClientSampleId :

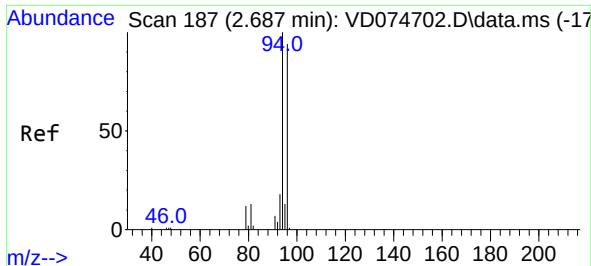
Tgt Ion:168 Resp: 20816
Ion Ratio Lower Upper
168 100
99 42.1 40.9 61.3



#3
Chloromethane
Concen: 1.078 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

Tgt Ion: 50 Resp: 294
Ion Ratio Lower Upper
50 100
52 47.3 30.0 45.0#

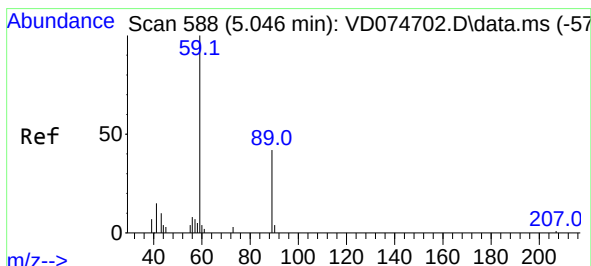
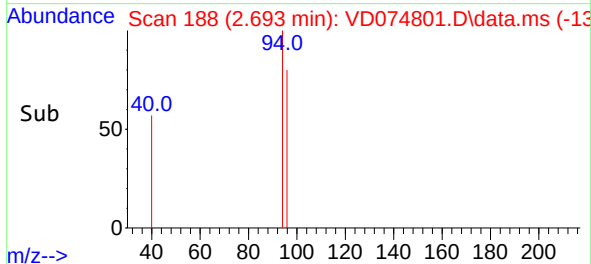
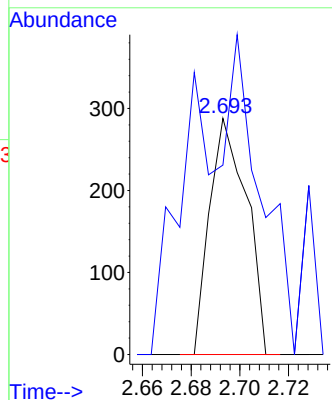
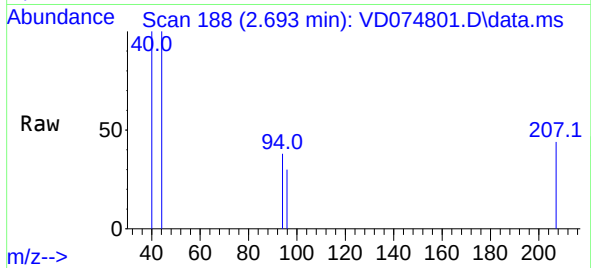




#5
Bromomethane
Concen: 1.337 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

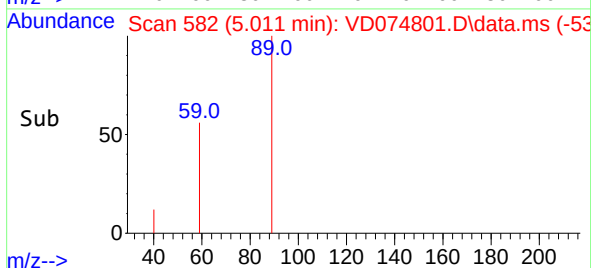
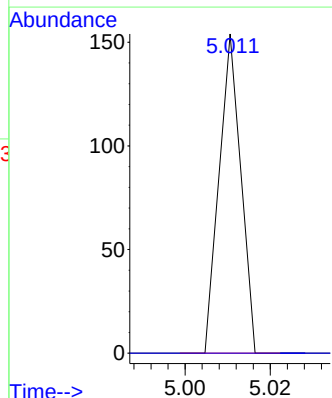
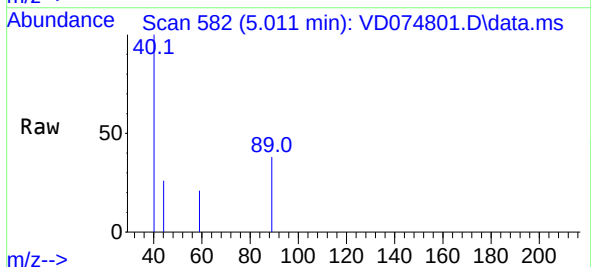
Instrument :
MSVOA_D
ClientSampleId :

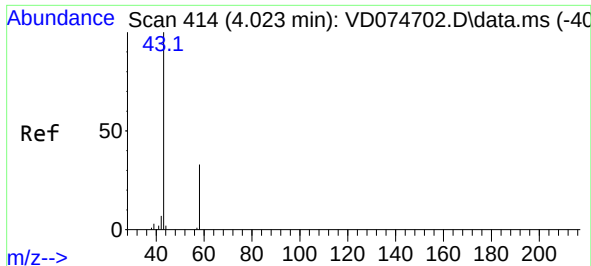
Tgt Ion: 94 Resp: 303
Ion Ratio Lower Upper
94 100
96 26.4 74.6 112.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.011 min Scan# 582
Delta R.T. -0.035 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

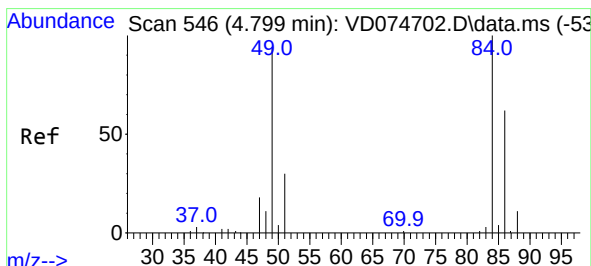
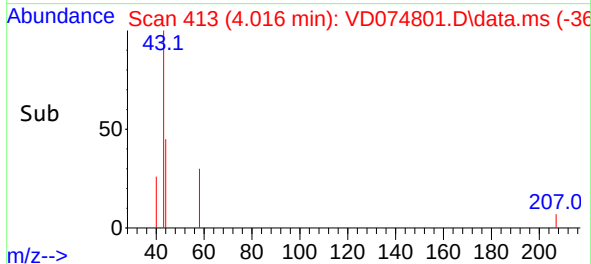
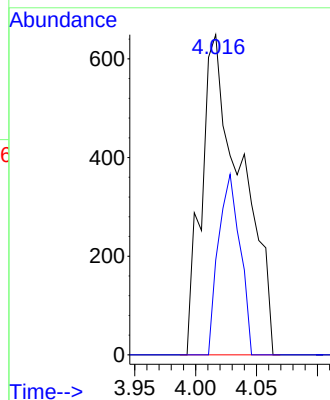
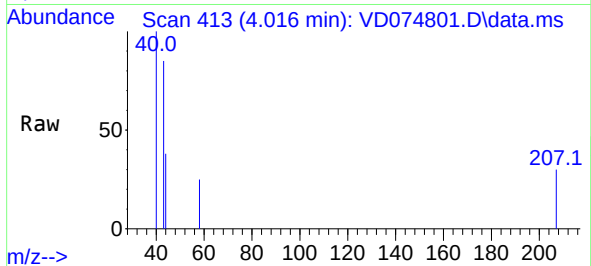




#16
Acetone
Concen: 42.959 ug/l
RT: 4.016 min Scan# 41
Delta R.T. -0.007 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

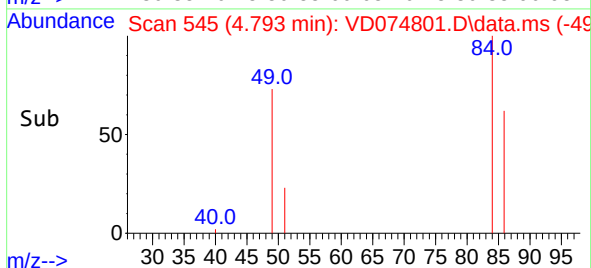
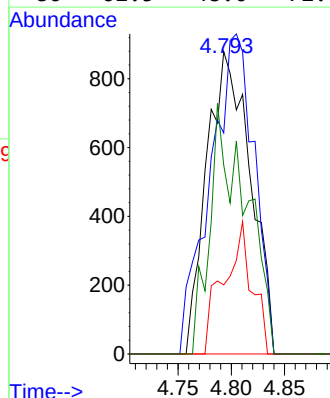
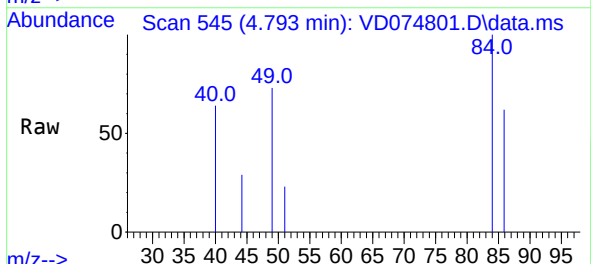
Instrument :
MSVOA_D
ClientSampleId :

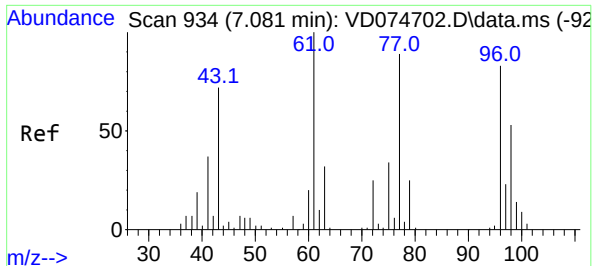
Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 29.6 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

Tgt Ion: 84 Resp: 2504
Ion Ratio Lower Upper
84 100
49 73.0 68.0 102.0
51 22.9 23.2 34.8#
86 62.5 48.0 72.0





#25

2-Butanone

Concen: 4.714 ug/l

RT: 7.052 min Scan# 91

Delta R.T. -0.029 min

Lab File: VD074801.D

Acq: 08 Nov 2022 13:44

Instrument :

MSVOA_D

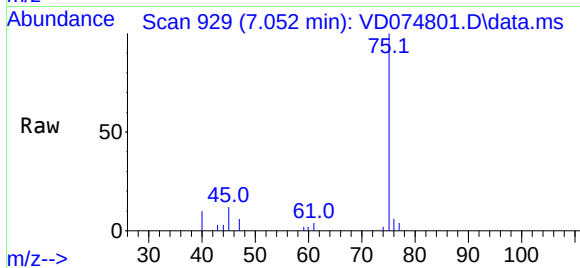
ClientSampleId :

Tgt Ion: 43 Resp: 223

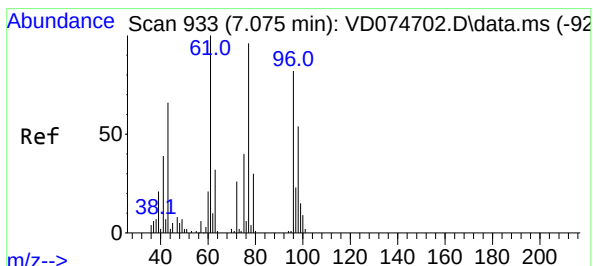
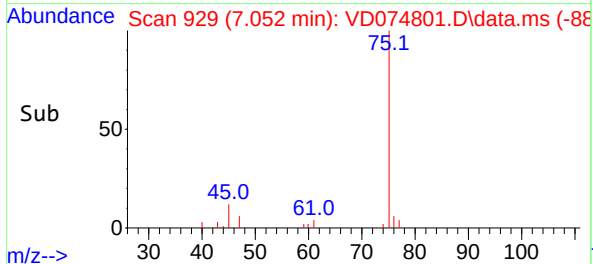
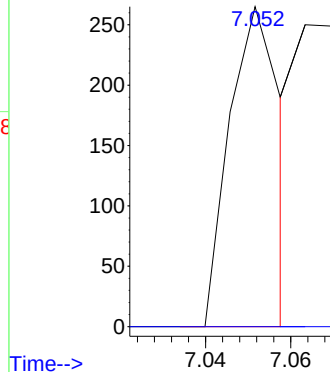
Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



Abundance



#26

2,2-Dichloropropane

Concen: 3.096 ug/l

RT: 7.063 min Scan# 931

Delta R.T. -0.012 min

Lab File: VD074801.D

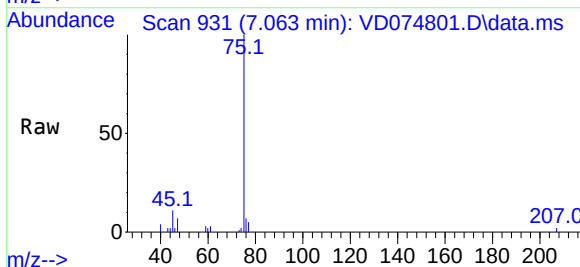
Acq: 08 Nov 2022 13:44

Tgt Ion: 77 Resp: 1067

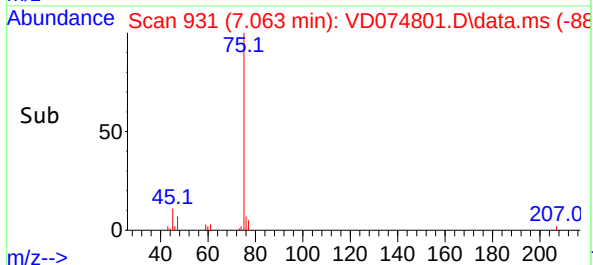
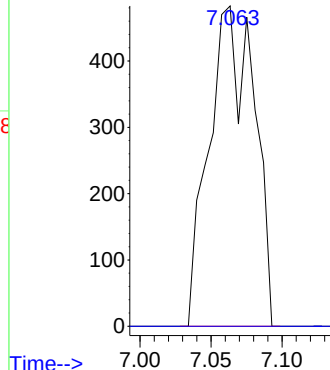
Ion Ratio Lower Upper

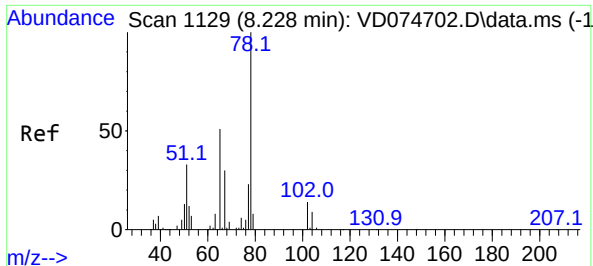
77 100

97 0.0 12.5 37.5#



Abundance





#33

1,2-Dichloroethane-d4

Concen: 121.322 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074801.D

Acq: 08 Nov 2022 13:44

Instrument :

MSVOA_D

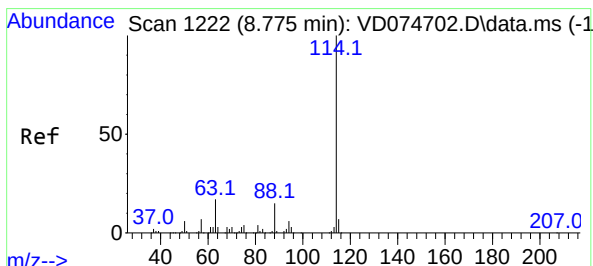
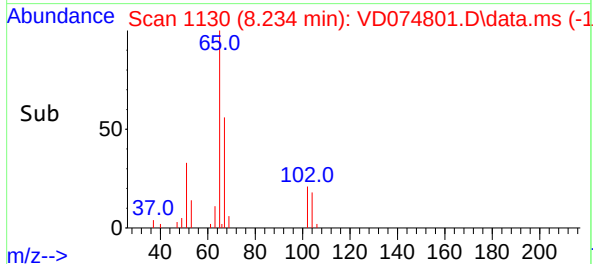
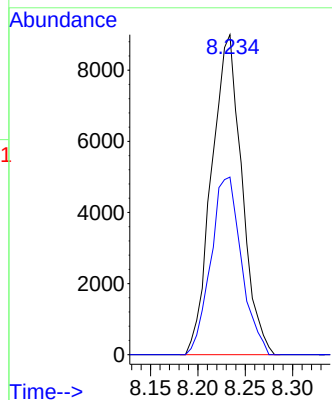
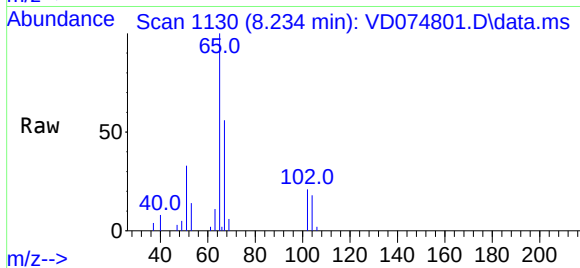
ClientSampleId :

Tgt Ion: 65 Resp: 20002

Ion Ratio Lower Upper

65 100

67 56.3 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: VD074801.D

Acq: 08 Nov 2022 13:44

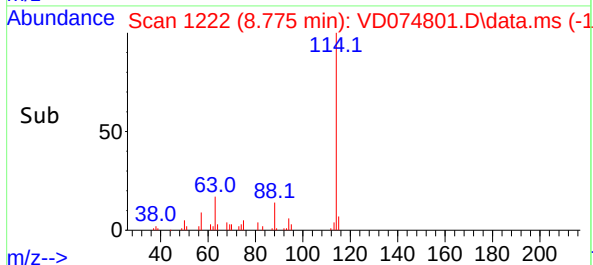
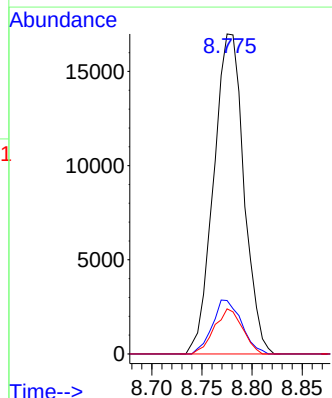
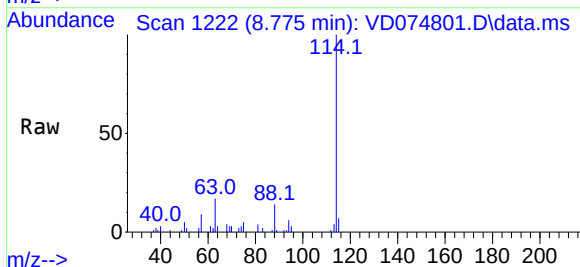
Tgt Ion: 114 Resp: 35627

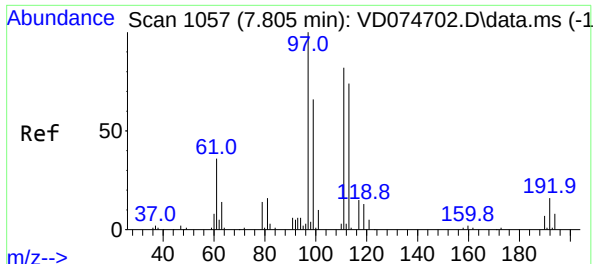
Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.2

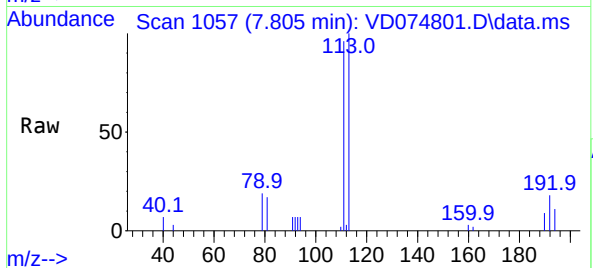
88 14.1 0.0 28.2



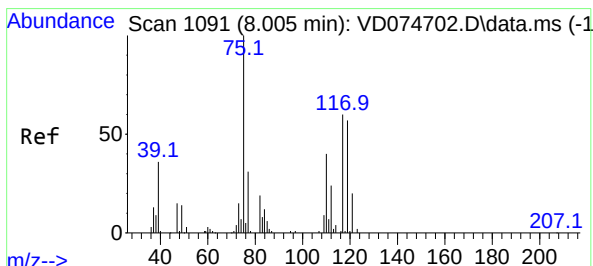
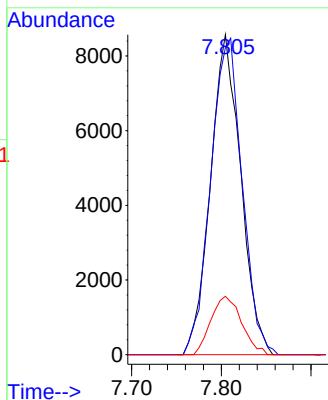
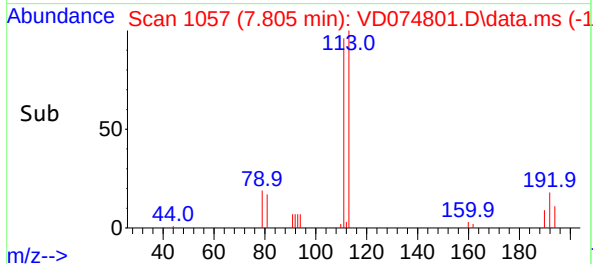


#35
Dibromofluoromethane
Concen: 95.413 ug/l
RT: 7.805 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

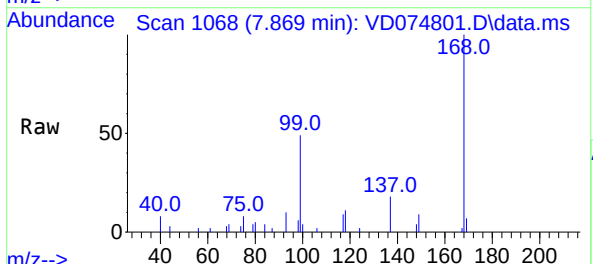
Instrument :
MSVOA_D
ClientSampleId :



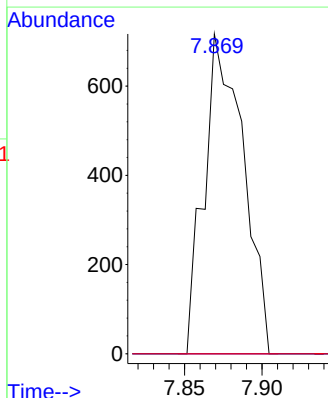
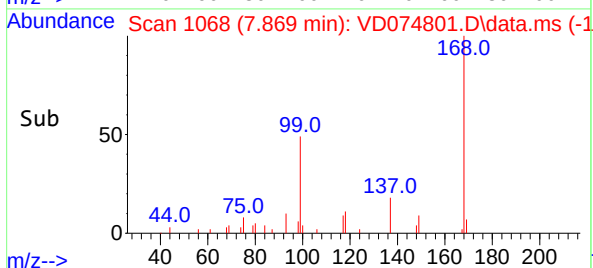
Tgt Ion:113 Resp: 20108
Ion Ratio Lower Upper
113 100
111 102.6 82.3 123.5
192 18.4 16.4 24.6

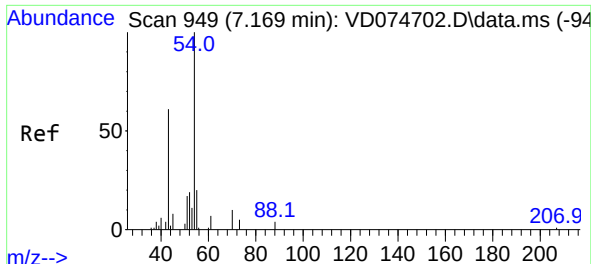


#36
1,1-Dichloropropene
Concen: 3.936 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44



Tgt Ion: 75 Resp: 1259
Ion Ratio Lower Upper
75 100
110 0.0 19.7 59.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 2.090 ug/l

RT: 7.052 min Scan# 91

Delta R.T. -0.117 min

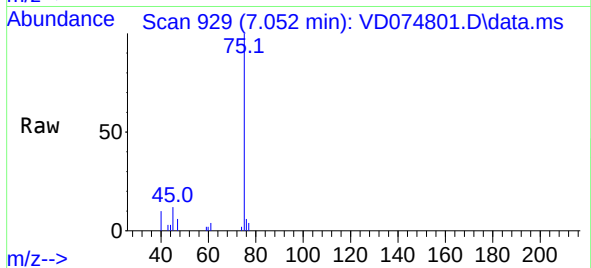
Lab File: VD074801.D

Acq: 08 Nov 2022 13:44

Instrument :

MSVOA_D

ClientSampleId :



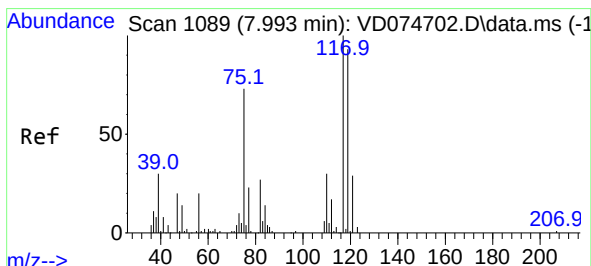
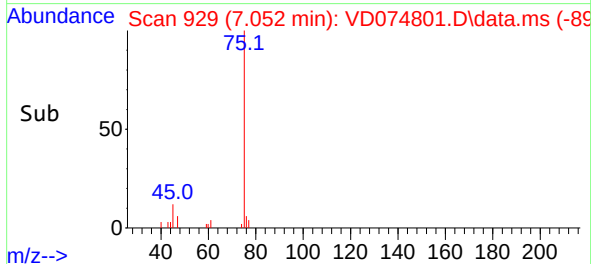
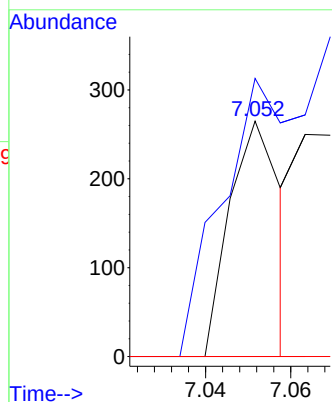
Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

43 100

61 312.6 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 5.807 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074801.D

Acq: 08 Nov 2022 13:44

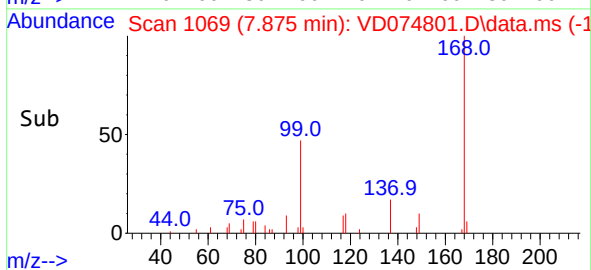
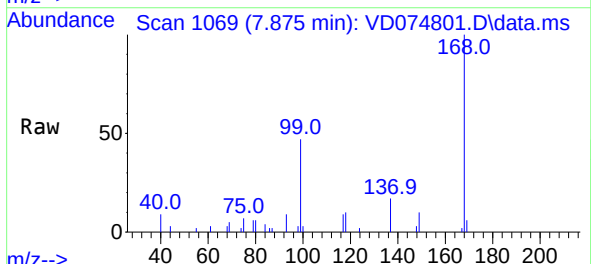
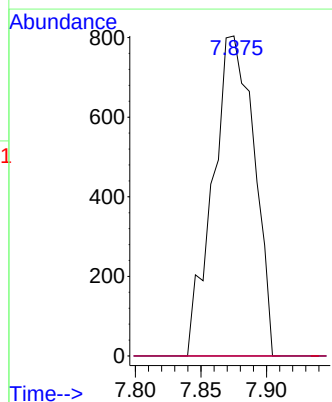
Tgt Ion: 117 Resp: 1760

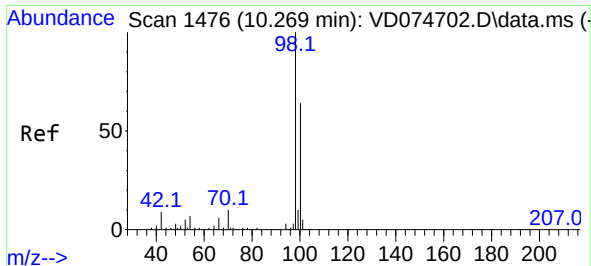
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

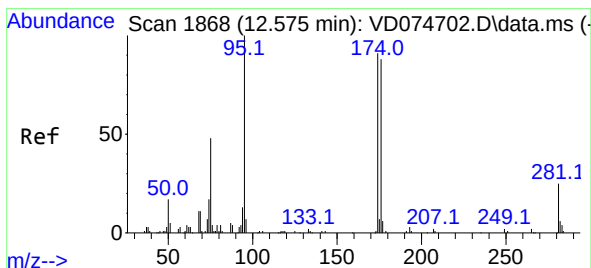
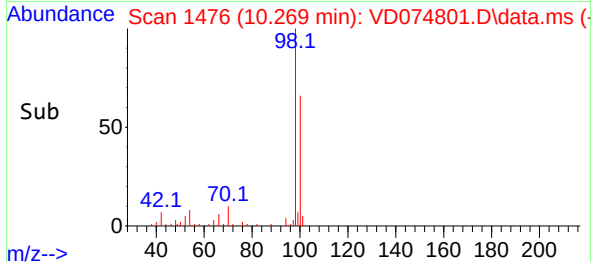
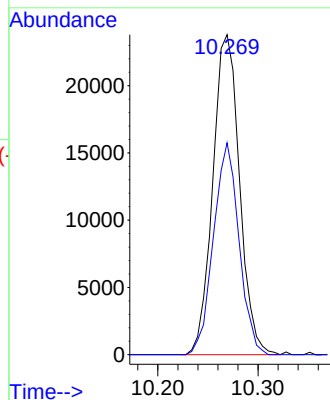
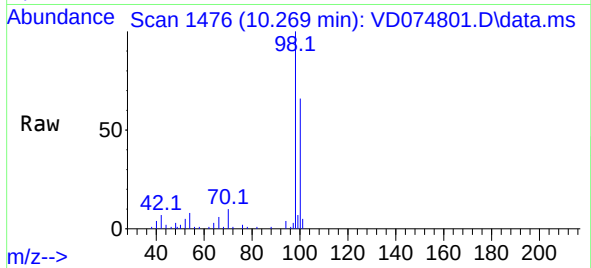




#50
Toluene-d8
Concen: 57.345 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

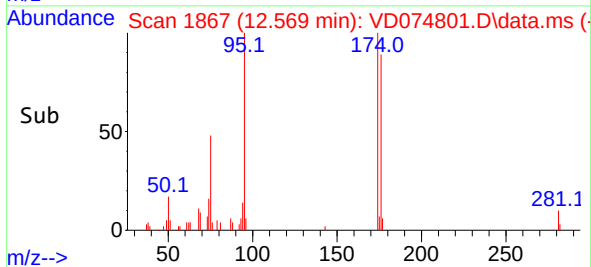
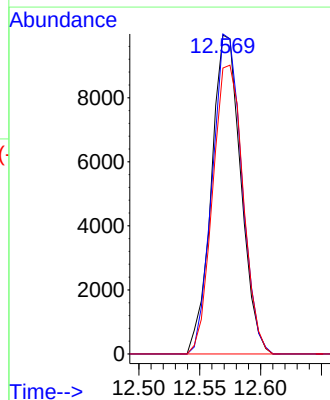
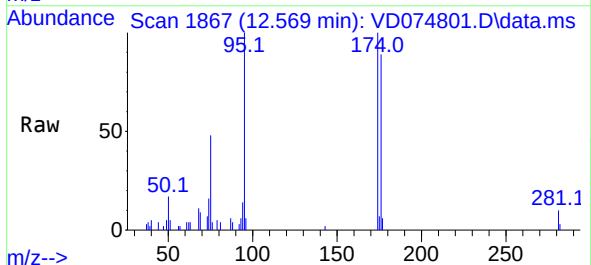
Instrument :
MSVOA_D
ClientSampleId :

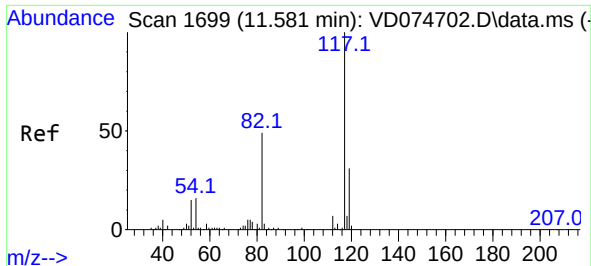
Tgt Ion: 98 Resp: 44084
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 75.405 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

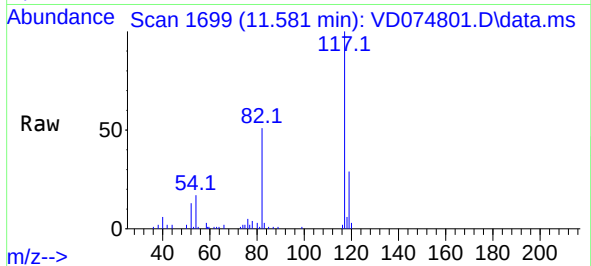
Tgt Ion: 95 Resp: 16737
Ion Ratio Lower Upper
95 100
174 99.7 0.0 197.0
176 93.4 0.0 182.6



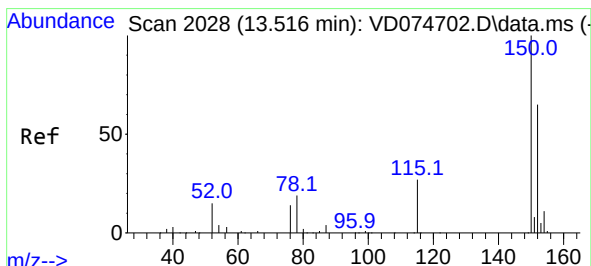
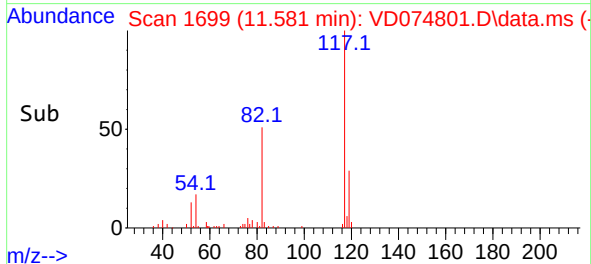
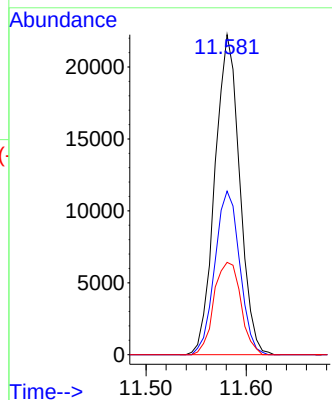


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

Instrument :
MSVOA_D
ClientSampleId :

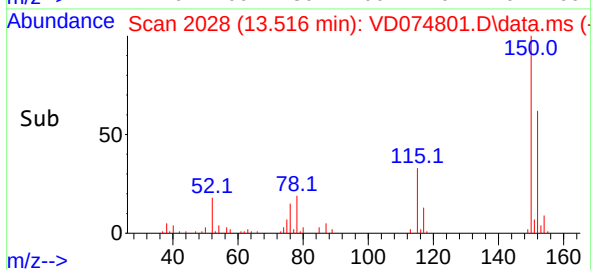
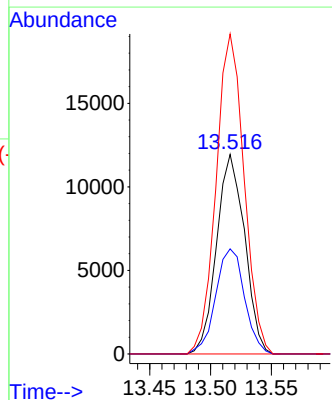
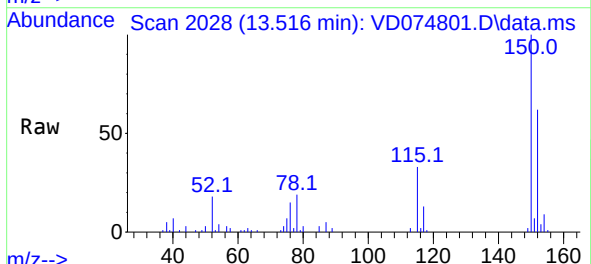


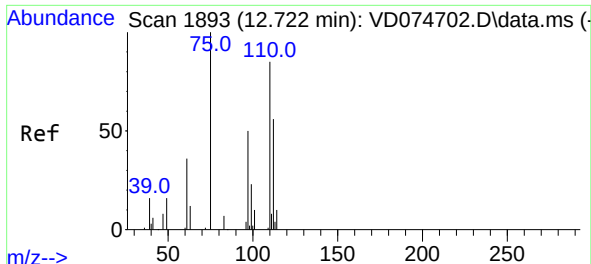
Tgt Ion:117 Resp: 38137
Ion Ratio Lower Upper
117 100
82 51.1 41.6 62.4
119 28.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

Tgt Ion:152 Resp: 19108
Ion Ratio Lower Upper
152 100
115 54.3 26.8 80.4
150 160.1 0.0 348.2

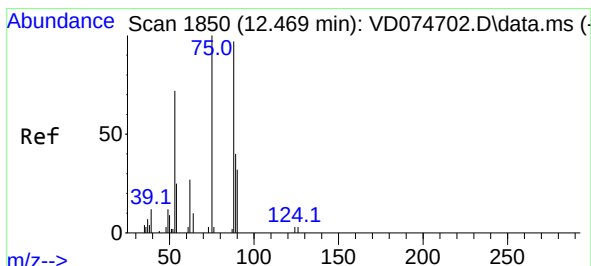
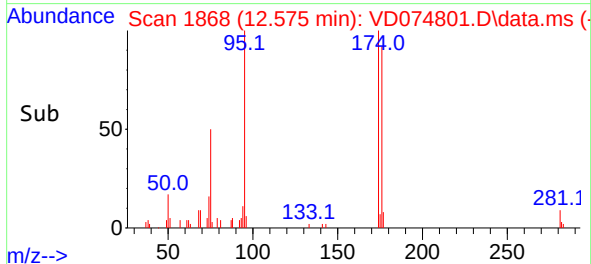
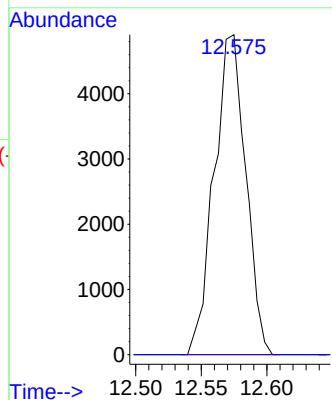
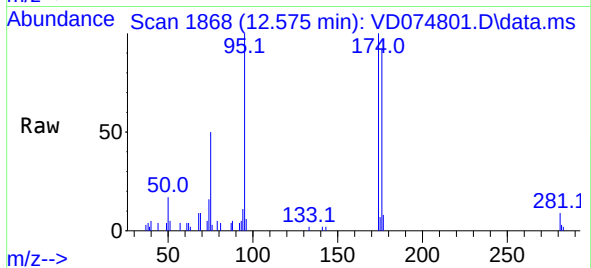




#76
1,2,3-Trichloropropane
Concen: 55.588 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 8234
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.952 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074801.D
Acq: 08 Nov 2022 13:44

Tgt Ion: 75 Resp: 8234
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

