

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074729.D
 Acq On : 04 Nov 2022 11:09
 Operator : VA/SY
 Sample : VD1104SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBL01

Quant Time: Nov 07 00:24:11 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)

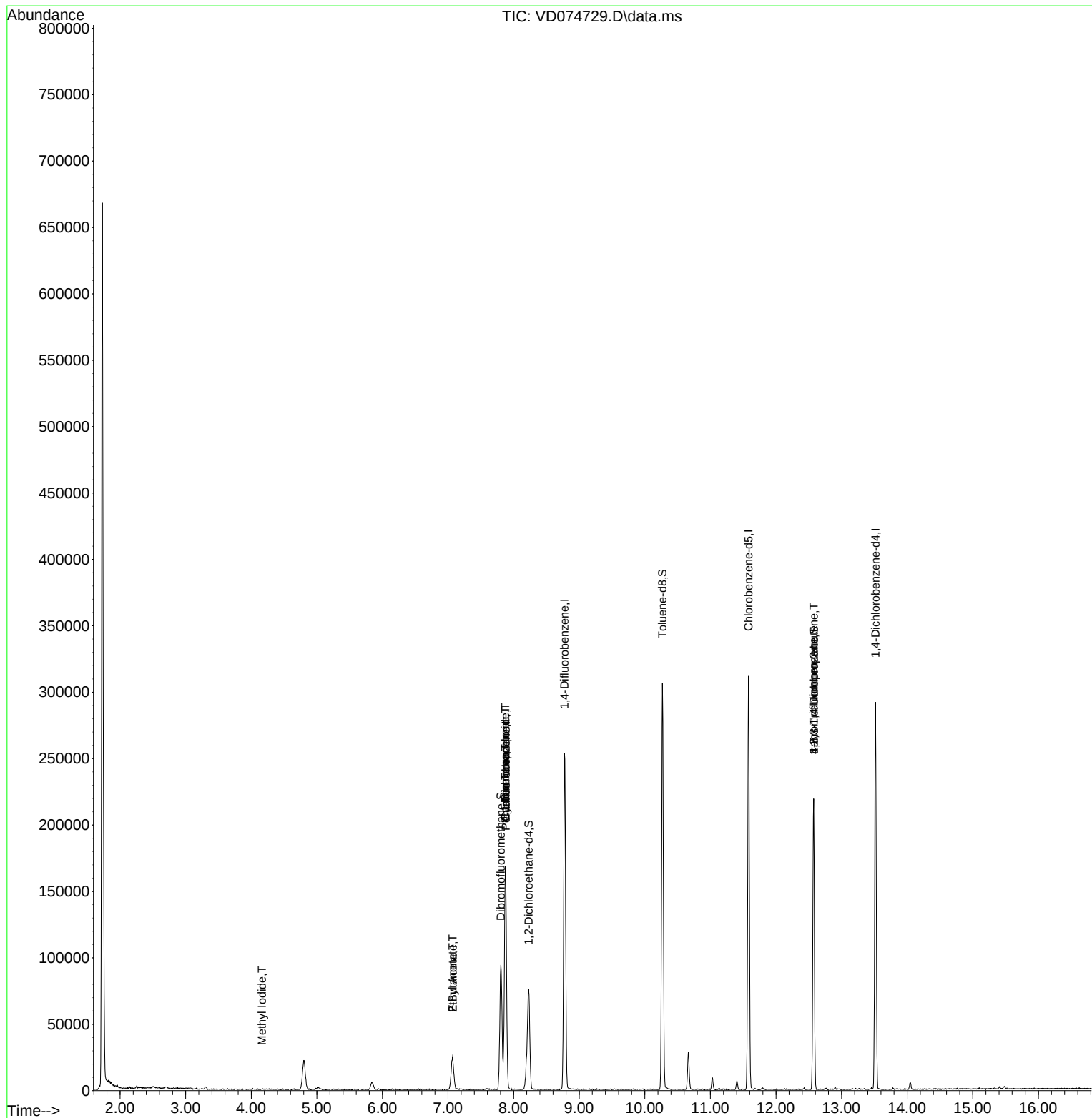
Internal Standards						
1) Pentafluorobenzene	7.881	168	140421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	244242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	191747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	82957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57318	51.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.080%			
35) Dibromofluoromethane	7.805	113	70507	48.801	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.600%			
50) Toluene-d8	10.269	98	225700	42.826	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 85.660%			
62) 4-Bromofluorobenzene	12.575	95	64654	42.489	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.980%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.164	142	439	5.759	ug/l #	60
11) Tert butyl alcohol	5.011	59	1537	Below Cal	#	84
20) Methylene Chloride	4.799	84	19004	Below Cal		94
25) 2-Butanone	7.069	43	1323	4.146	ug/l #	42
31) Cyclohexane	7.875	56	2455	1.090	ug/l #	41
36) 1,1-Dichloropropene	7.875	75	9848	4.491	ug/l #	47
37) Ethyl Acetate	7.069	43	1323	1.808	ug/l #	1
38) Carbon Tetrachloride	7.875	117	13287	6.395	ug/l #	19
76) 1,2,3-Trichloropropane	12.575	75	31444	48.895	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	31444	116.066	ug/l #	17

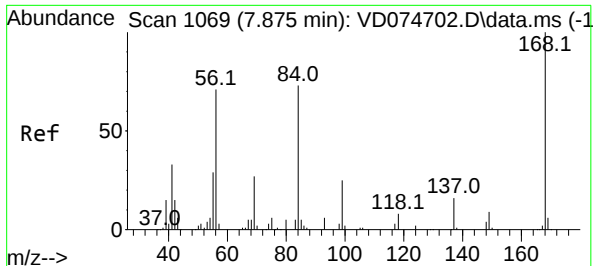
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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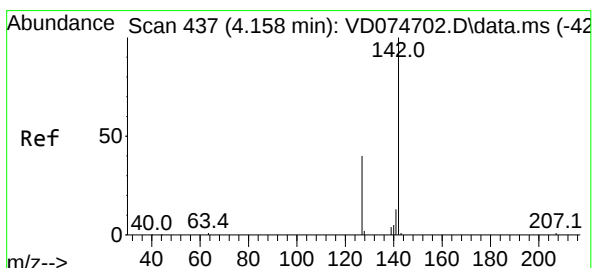
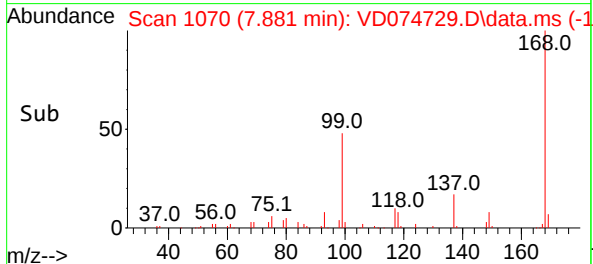
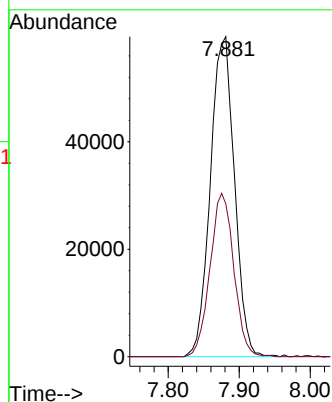
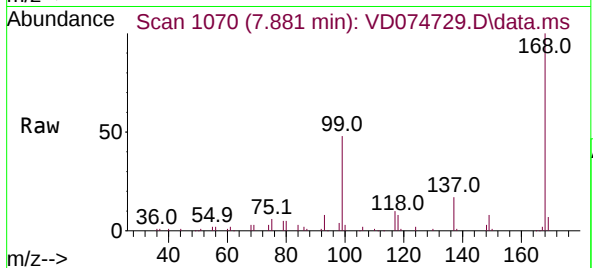




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

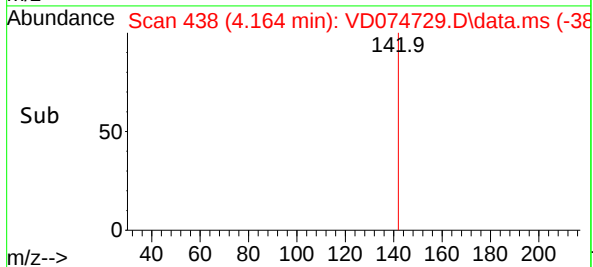
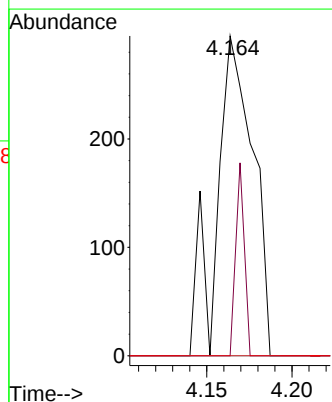
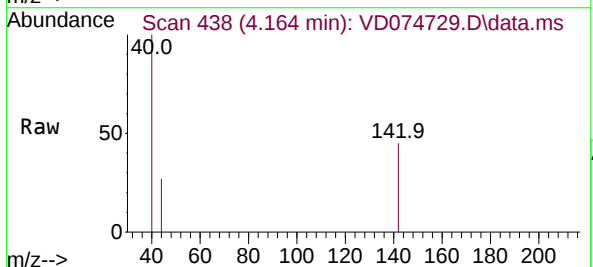
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

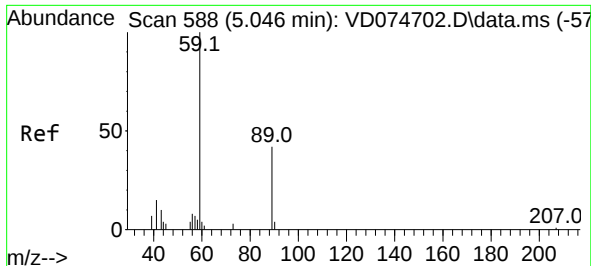
Tgt Ion:168 Resp: 140421
Ion Ratio Lower Upper
168 100
99 47.7 40.9 61.3



#10
Methyl Iodide
Concen: 5.759 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

Tgt Ion:142 Resp: 439
Ion Ratio Lower Upper
142 100
127 14.4 31.9 47.9#
141 0.0 11.4 17.2#

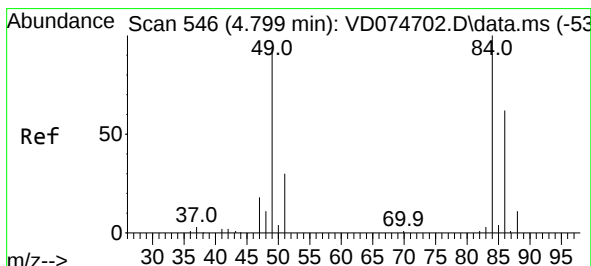
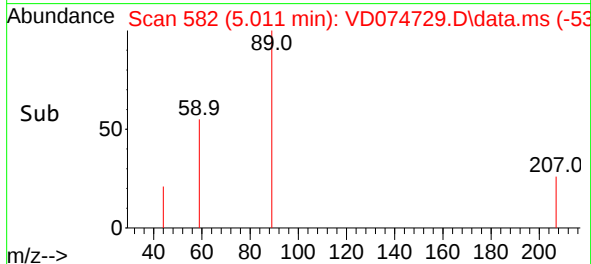
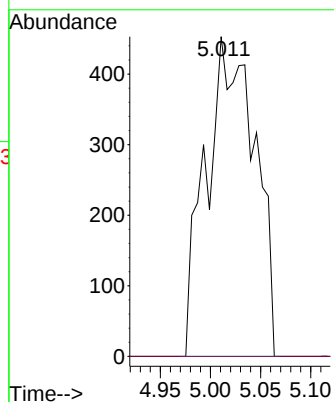
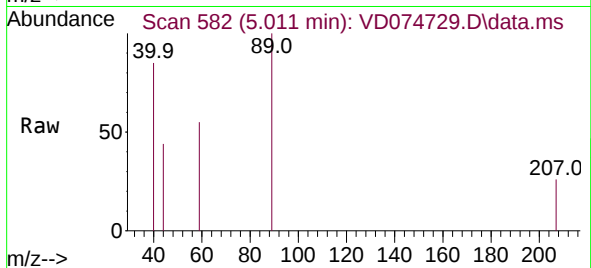




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.011 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

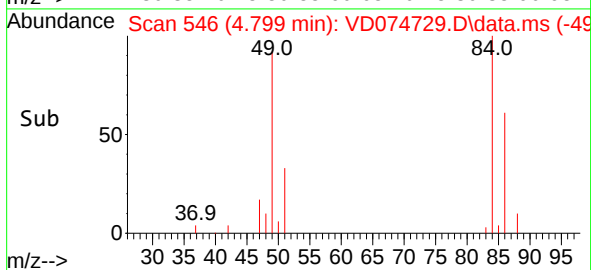
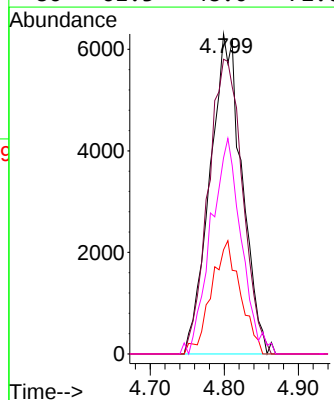
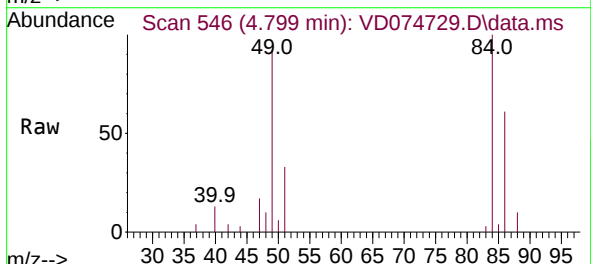
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

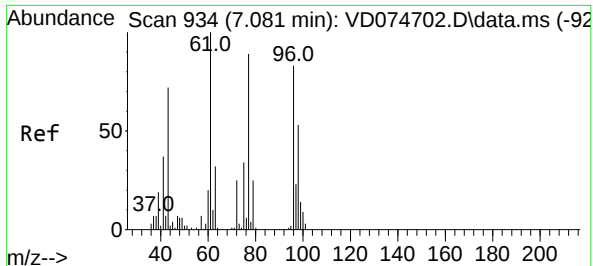
Tgt Ion: 59 Resp: 1537
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

Tgt Ion: 84 Resp: 19004
Ion Ratio Lower Upper
84 100
49 92.1 68.0 102.0
51 32.6 23.2 34.8
86 61.3 48.0 72.0





#25

2-Butanone

Concen: 4.146 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD074729.D

Acq: 04 Nov 2022 11:09

Instrument :

MSVOA_D

ClientSampleId :

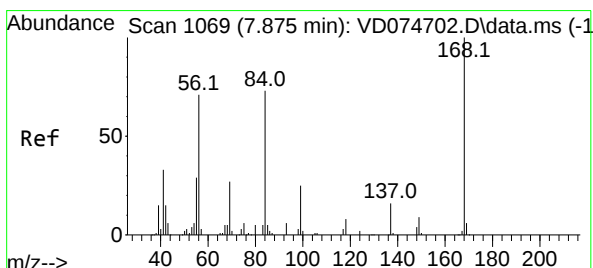
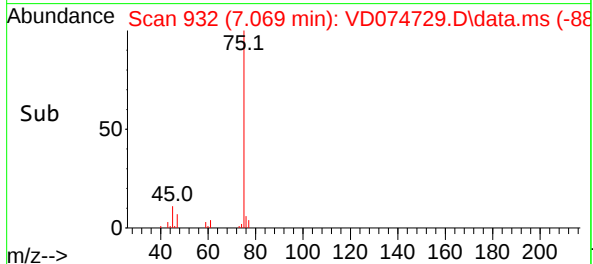
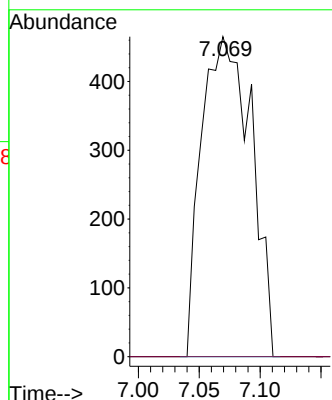
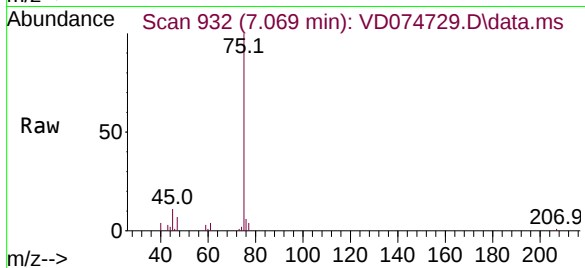
VD1104SBL01

Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074729.D

Acq: 04 Nov 2022 11:09

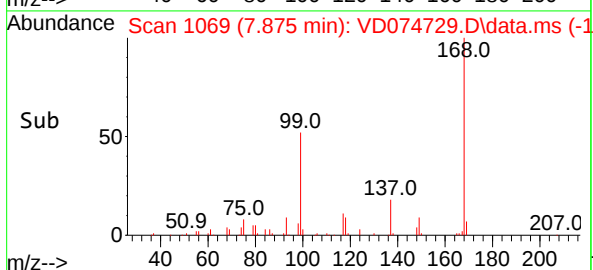
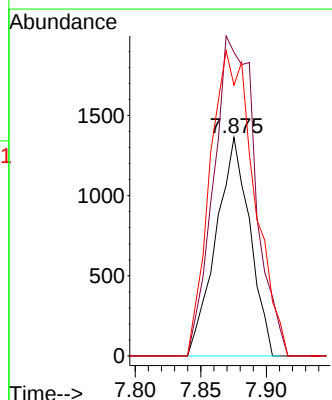
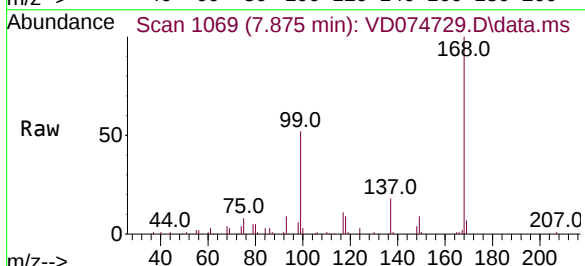
Tgt Ion: 56 Resp: 2455

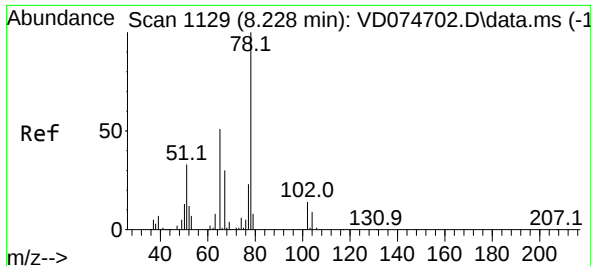
Ion Ratio Lower Upper

56 100

69 139.0 29.2 43.8#

84 124.0 83.4 125.2





#33

1,2-Dichloroethane-d4

Concen: 51.537 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074729.D

Acq: 04 Nov 2022 11:09

Instrument :

MSVOA_D

ClientSampleId :

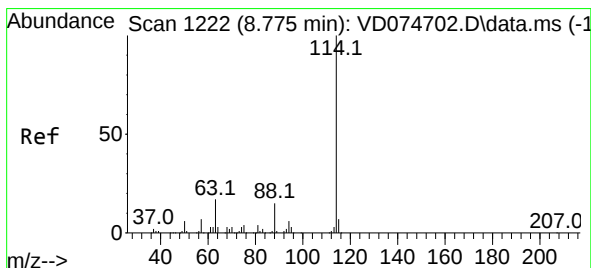
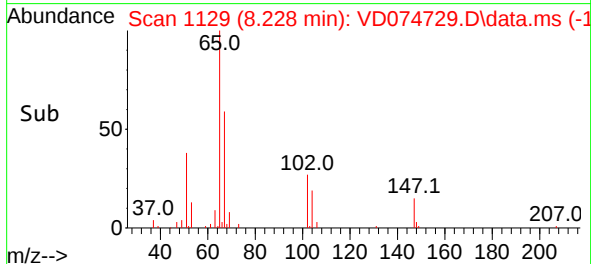
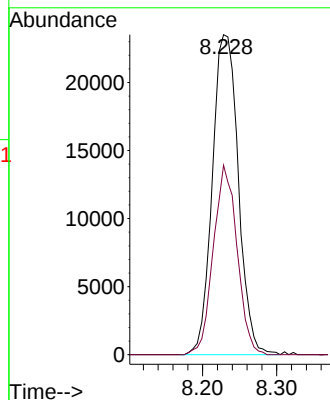
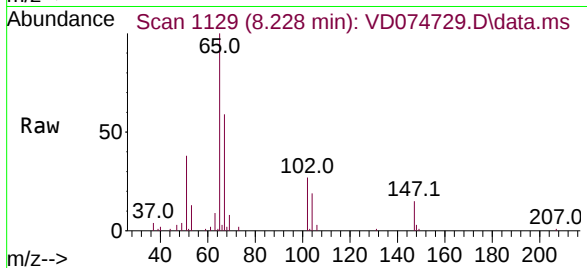
VD1104SBL01

Tgt Ion: 65 Resp: 57318

Ion Ratio Lower Upper

65 100

67 54.1 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: VD074729.D

Acq: 04 Nov 2022 11:09

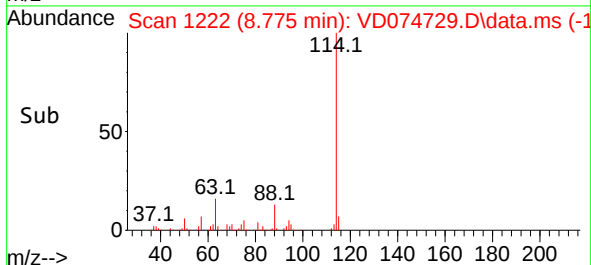
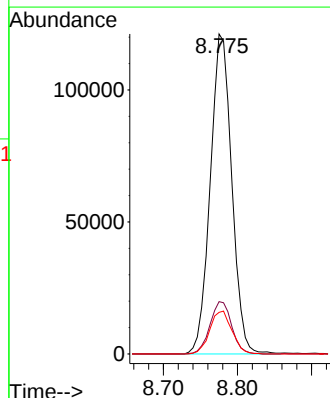
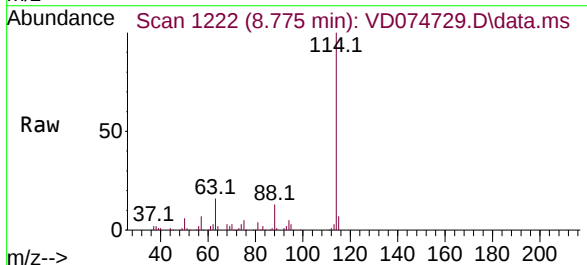
Tgt Ion: 114 Resp: 244242

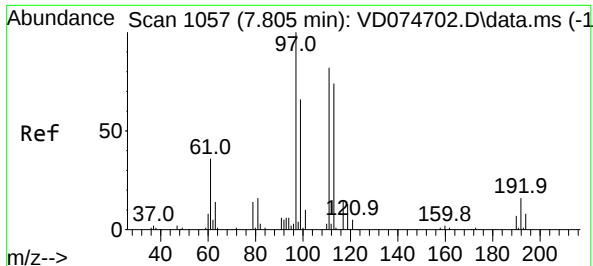
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.2

88 13.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 48.801 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074729.D

Acq: 04 Nov 2022 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBL01

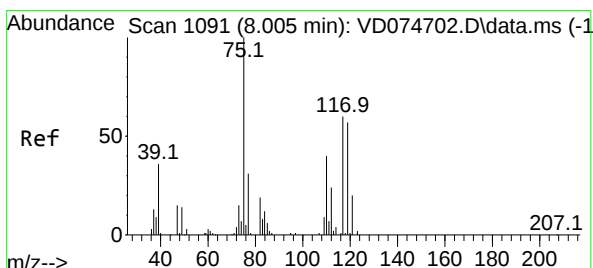
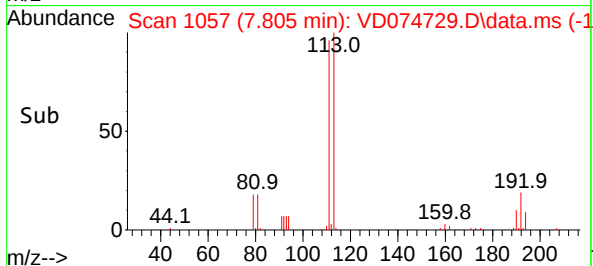
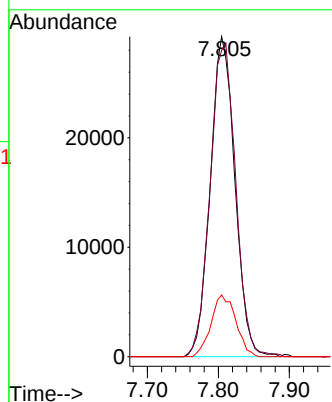
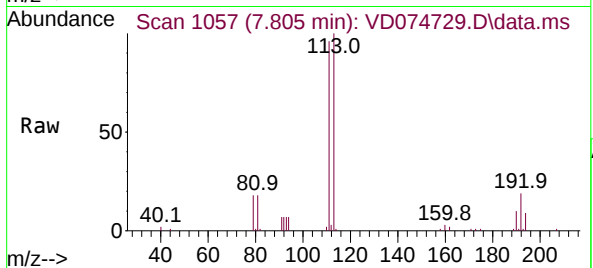
Tgt Ion:113 Resp: 70507

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

192 19.4 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.491 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074729.D

Acq: 04 Nov 2022 11:09

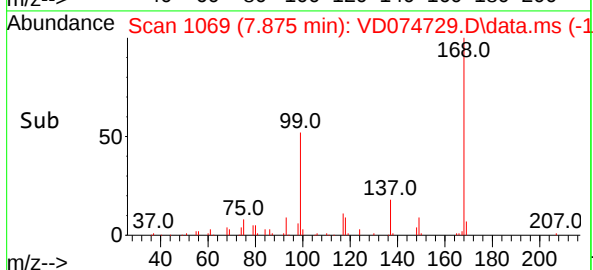
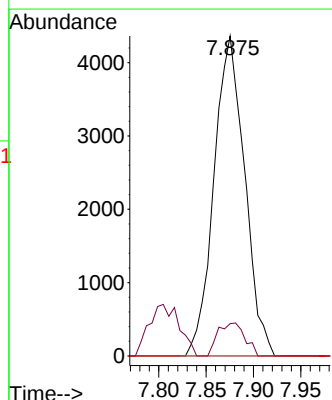
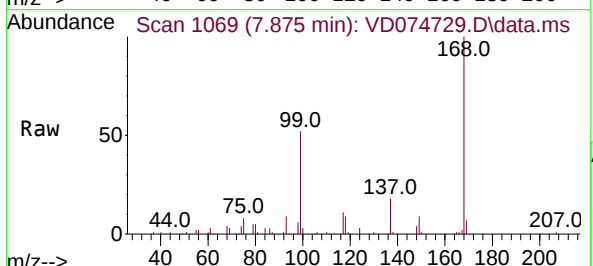
Tgt Ion: 75 Resp: 9848

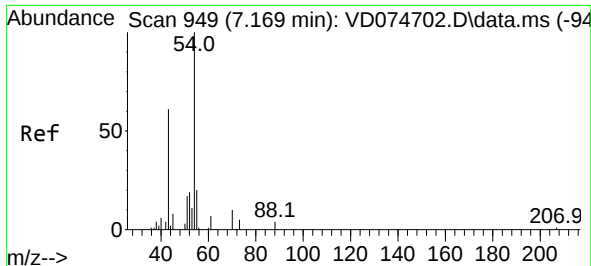
Ion Ratio Lower Upper

75 100

110 9.1 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.808 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.100 min

Lab File: VD074729.D

Acq: 04 Nov 2022 11:09

Instrument :

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VD1104SBL01

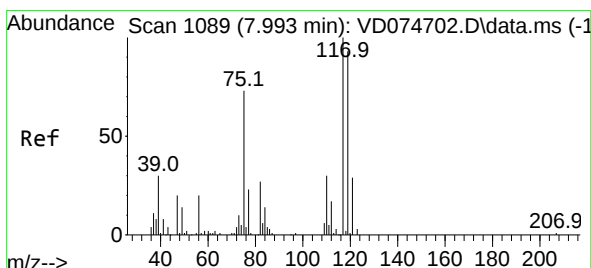
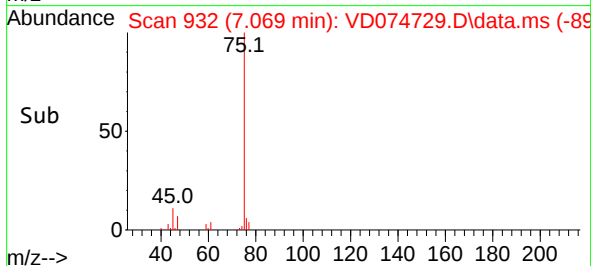
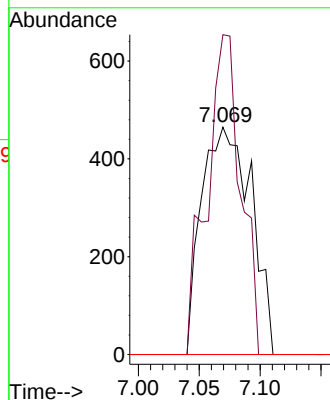
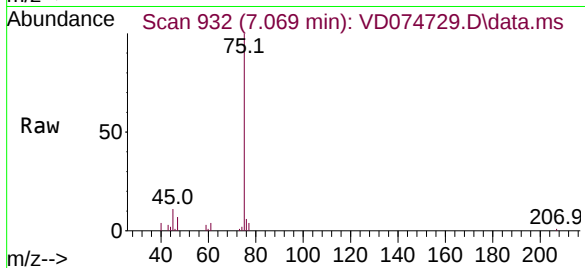
Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

61 96.1 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.395 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074729.D

Acq: 04 Nov 2022 11:09

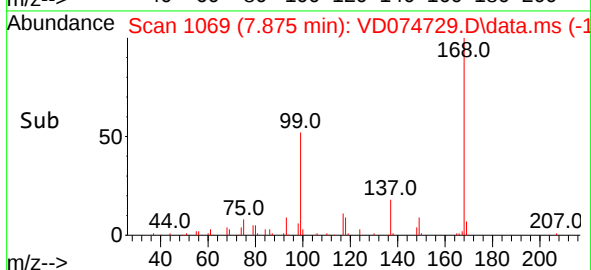
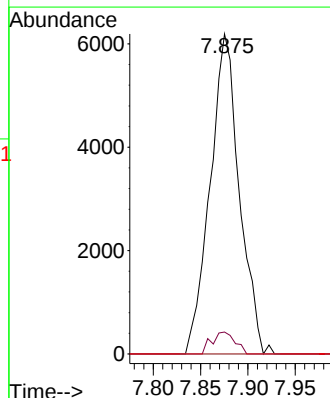
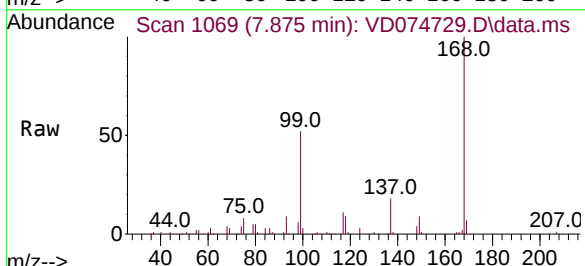
Tgt Ion: 117 Resp: 13287

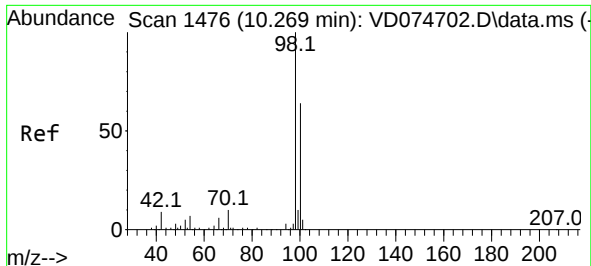
Ion Ratio Lower Upper

117 100

119 6.9 73.1 109.7#

121 0.0 25.0 37.6#

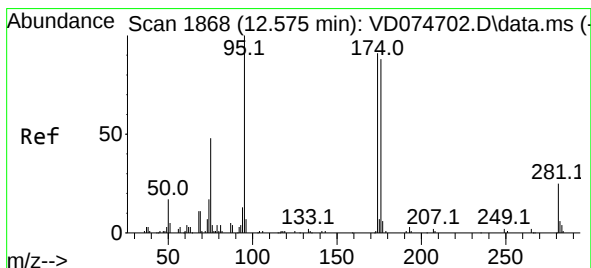
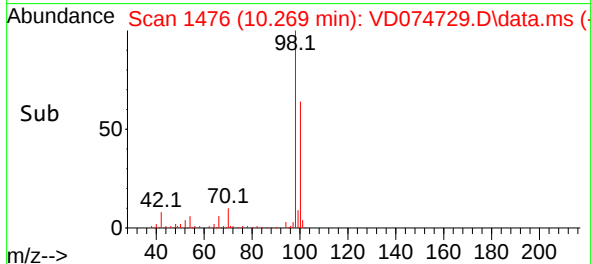
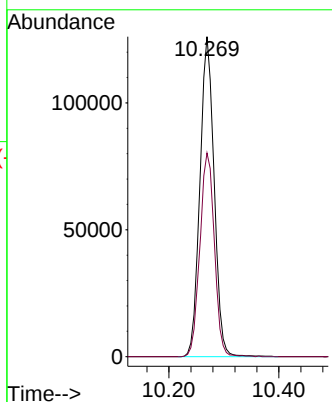
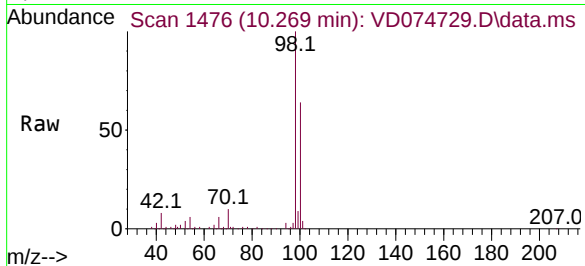




#50
Toluene-d8
Concen: 42.826 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

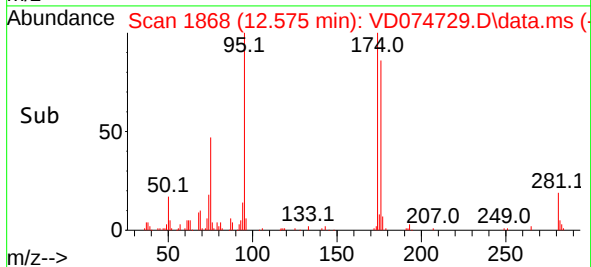
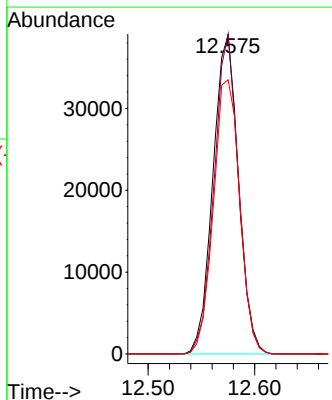
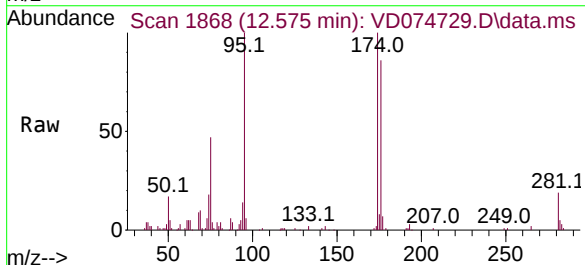
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

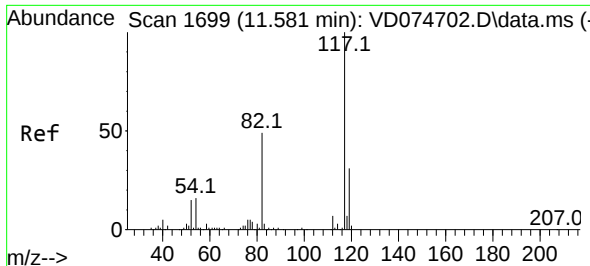
Tgt Ion: 98 Resp: 225700
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.489 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

Tgt Ion: 95 Resp: 64654
Ion Ratio Lower Upper
95 100
174 95.4 0.0 197.0
176 88.7 0.0 182.6

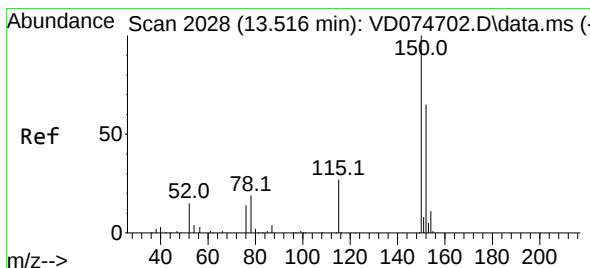
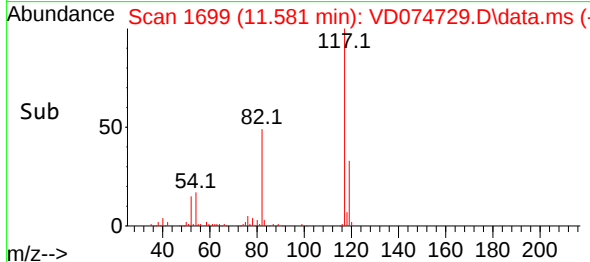
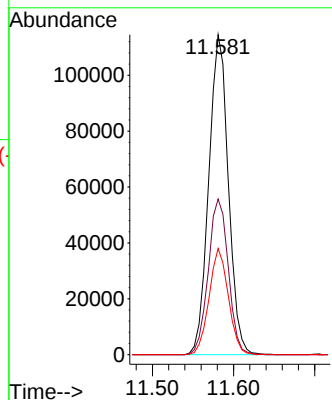
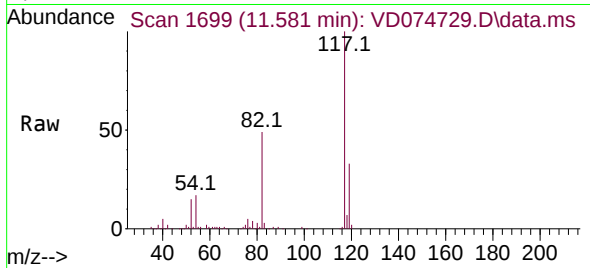




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

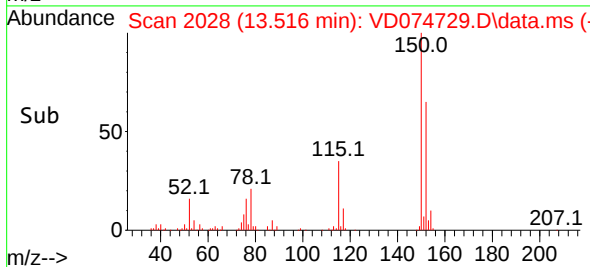
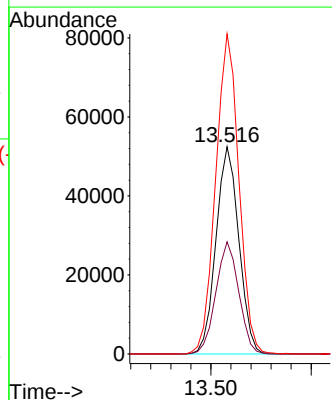
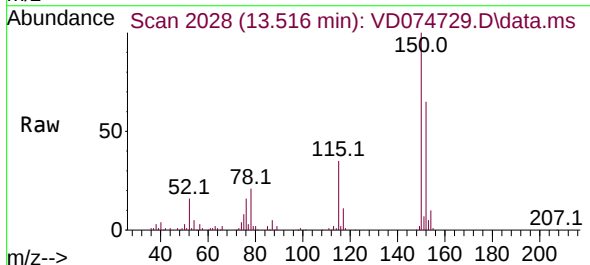
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

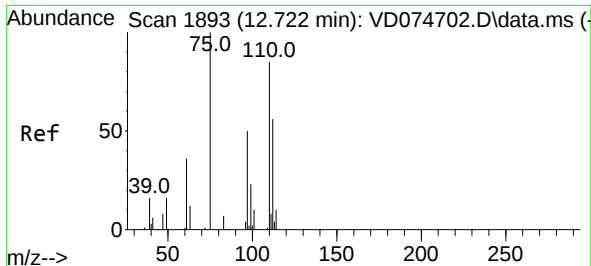
Tgt Ion:117 Resp: 191747
Ion Ratio Lower Upper
117 100
82 48.6 41.6 62.4
119 33.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

Tgt Ion:152 Resp: 82957
Ion Ratio Lower Upper
152 100
115 54.1 26.8 80.4
150 156.8 0.0 348.2

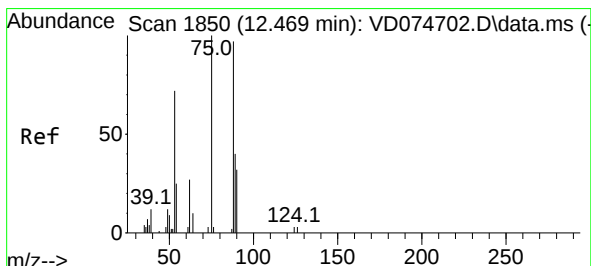
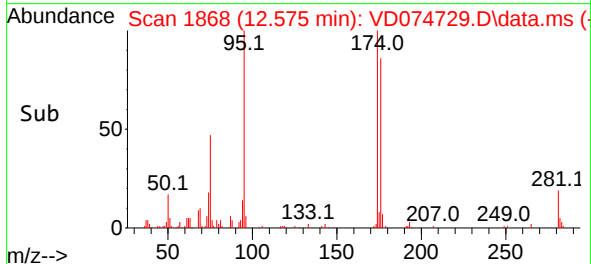
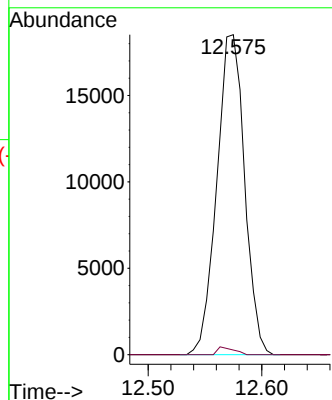
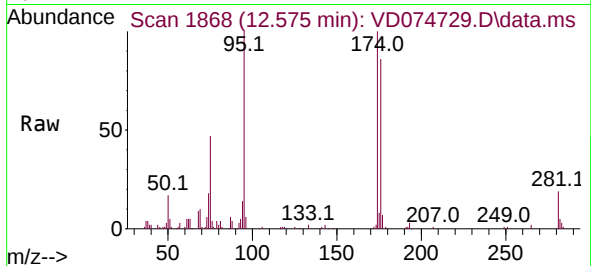




#76
1,2,3-Trichloropropane
Concen: 48.895 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBL01

Tgt Ion: 75 Resp: 31444
Ion Ratio Lower Upper
75 100
77 1.4 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.066 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074729.D
Acq: 04 Nov 2022 11:09

Tgt Ion: 75 Resp: 31444
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

