

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075100.D
 Acq On : 10 Jan 2023 12:10
 Operator : KP/SY
 Sample : 01080-01
 Misc : 7.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1-(10-12)

Quant Time: Jan 11 01:48:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

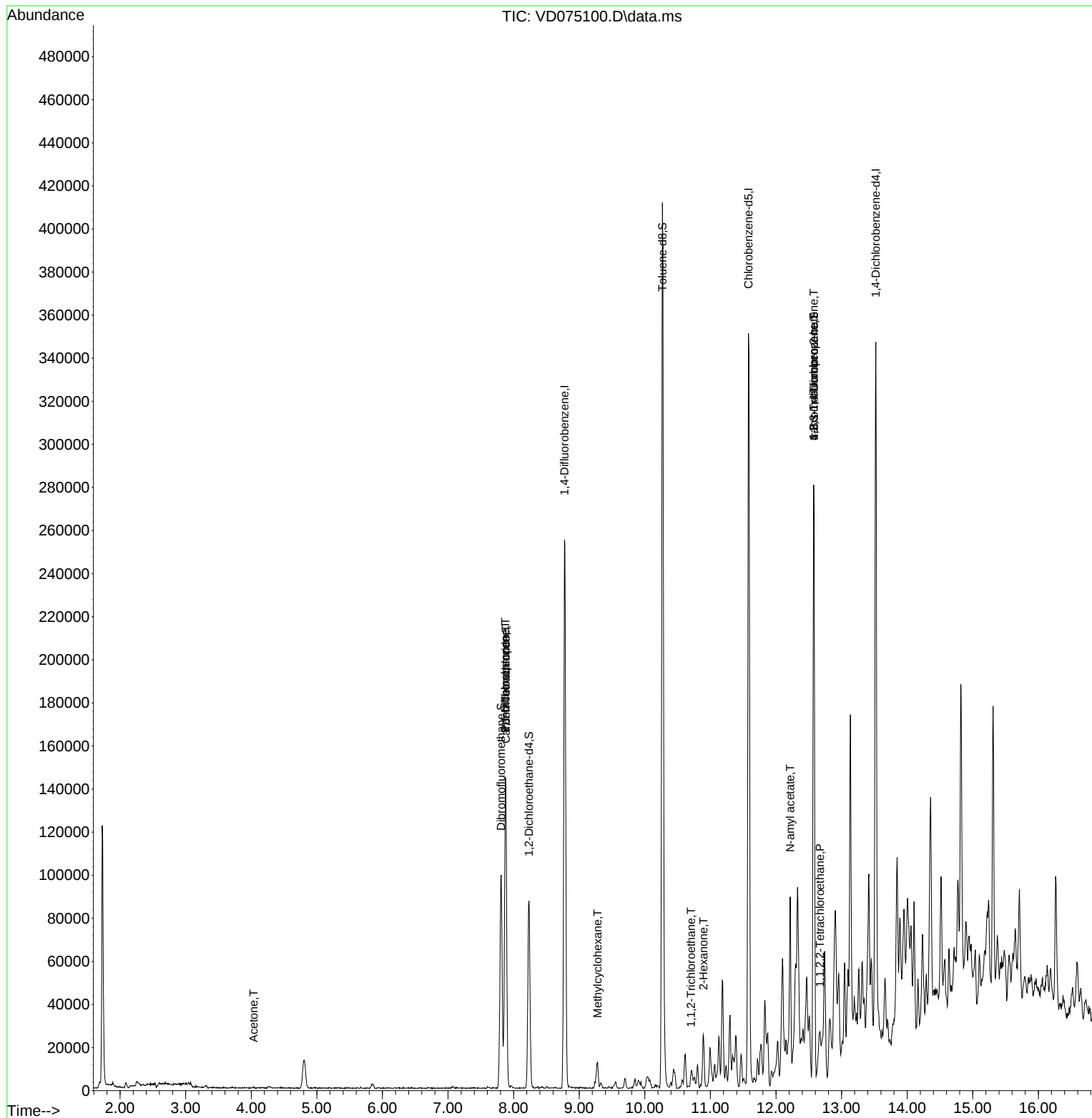
Internal Standards						
1) Pentafluorobenzene	7.875	168	110276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	230591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	207385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	87617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68085	61.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.160%
35) Dibromofluoromethane	7.810	113	72233	49.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.600%
50) Toluene-d8	10.269	98	277282	48.213	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.420%
62) 4-Bromofluorobenzene	12.575	95	87548	47.426	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.860%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	185	Below Cal	#	40
3) Chloromethane	2.152	50	437	Below Cal	#	72
4) Vinyl Chloride	2.275	62	245	Below Cal	#	44
5) Bromomethane	2.699	94	408	Below Cal	#	68
6) Chloroethane	2.846	64	61	Below Cal	#	42
16) Acetone	4.034	43	685	2.615	ug/l #	39
17) Carbon Disulfide	4.269	76	1745	Below Cal	#	78
18) Methyl Acetate	4.564	43	70	Below Cal	#	52
20) Methylene Chloride	4.805	84	10189	Below Cal		95
31) Cyclohexane	7.869	56	3301	Below Cal	#	41
36) 1,1-Dichloropropene	7.875	75	9259	5.159	ug/l #	47
37) Ethyl Acetate	7.122	43	57	Below Cal	#	68
38) Carbon Tetrachloride	7.881	117	11028	7.014	ug/l #	16
39) Methylcyclohexane	9.281	83	4845	2.334	ug/l	95
55) 1,1,2-Trichloroethane	10.704	97	3266	3.041	ug/l #	16
59) 2-Hexanone	10.893	43	10789	17.687	ug/l #	28
74) N-amyl acetate	12.216	43	16909	11.364	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.669	83	2225	1.982	ug/l #	65
76) 1,2,3-Trichloropropane	12.575	75	45888	54.889	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	45888	145.770	ug/l #	17

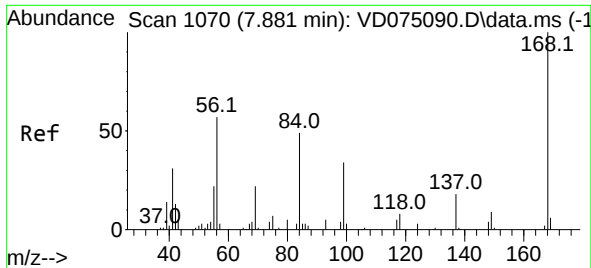
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 10 03:36:33 2023
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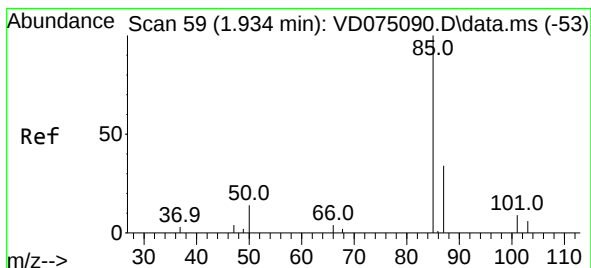
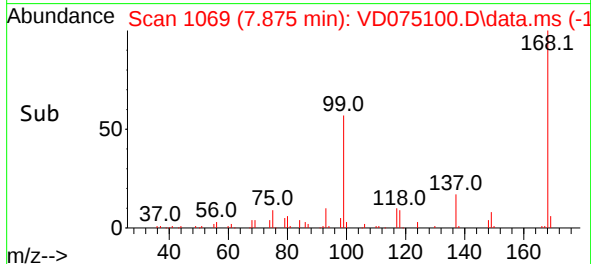
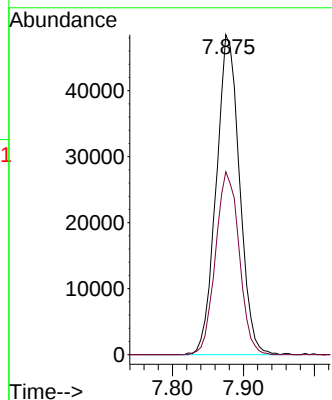
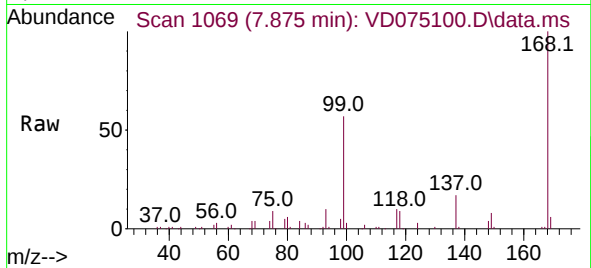




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

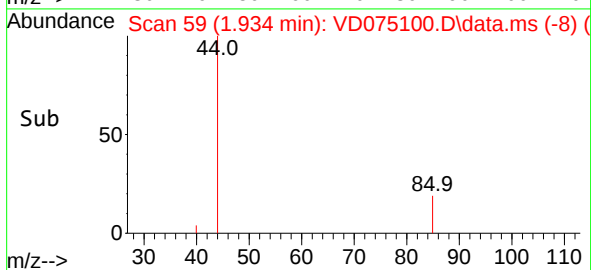
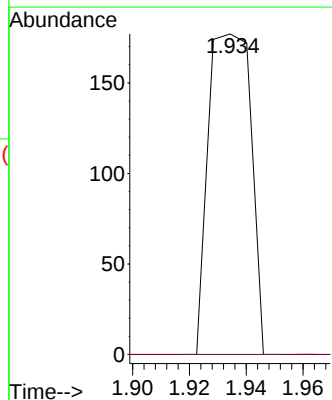
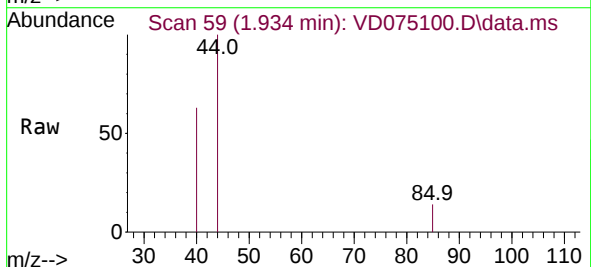
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

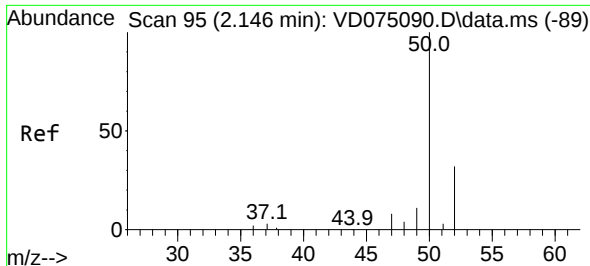
Tgt Ion:168 Resp: 110276
Ion Ratio Lower Upper
168 100
99 57.2 43.2 64.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 85 Resp: 185
Ion Ratio Lower Upper
85 100
87 0.0 17.2 51.6#

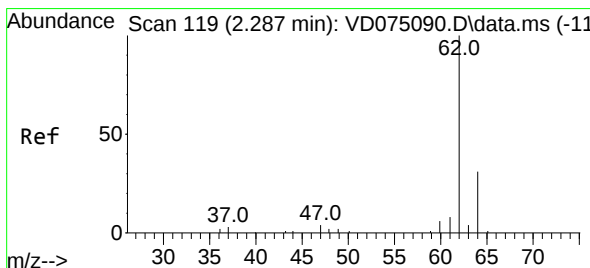
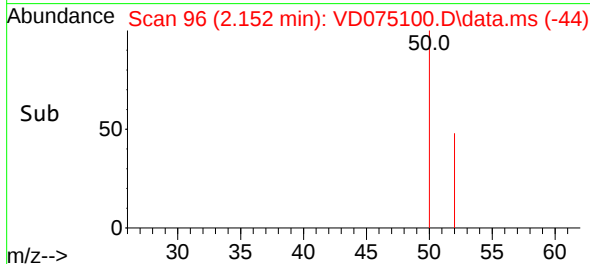
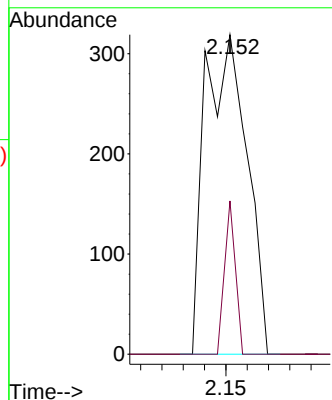
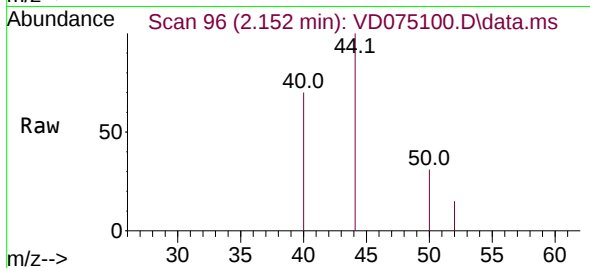




#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

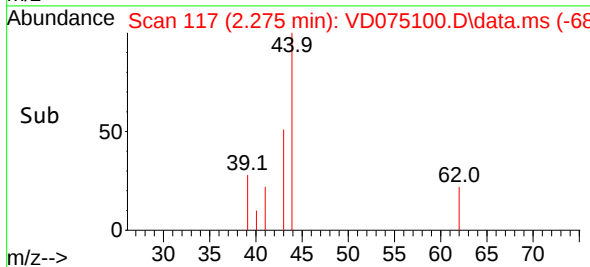
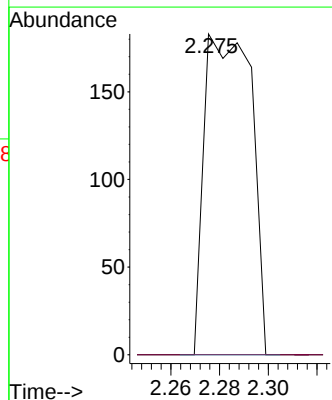
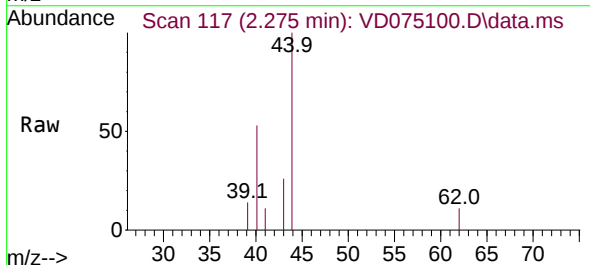
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

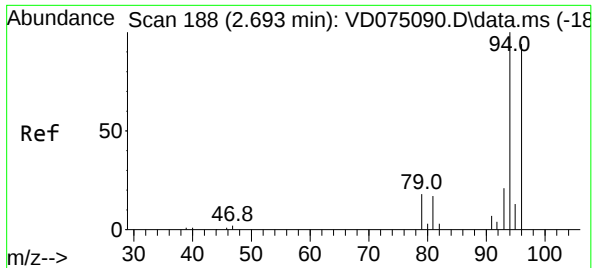
Tgt Ion: 50 Resp: 437
Ion Ratio Lower Upper
50 100
52 48.0 25.7 38.5#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.275 min Scan# 117
Delta R.T. -0.012 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 62 Resp: 245
Ion Ratio Lower Upper
62 100
64 0.0 24.5 36.7#

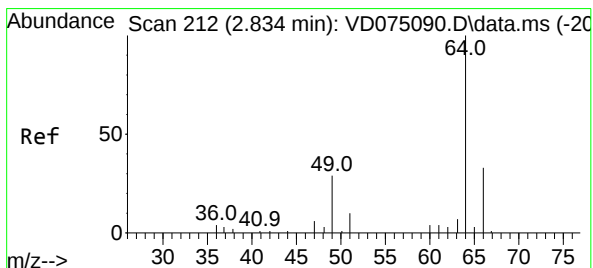
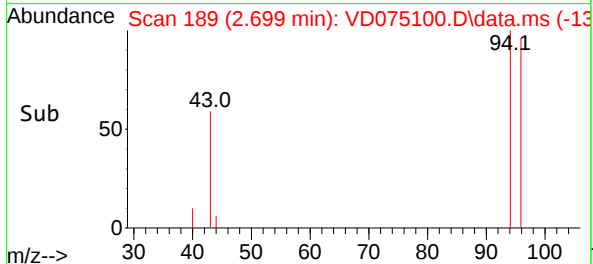
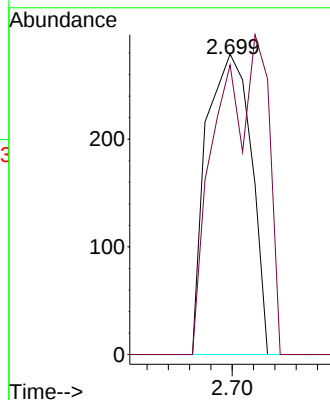
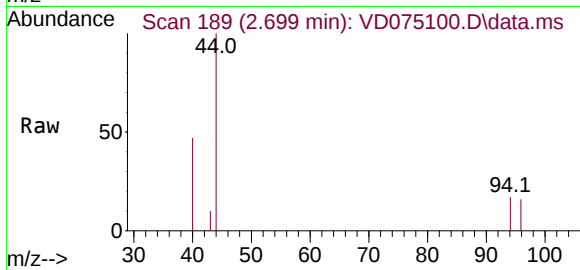




#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

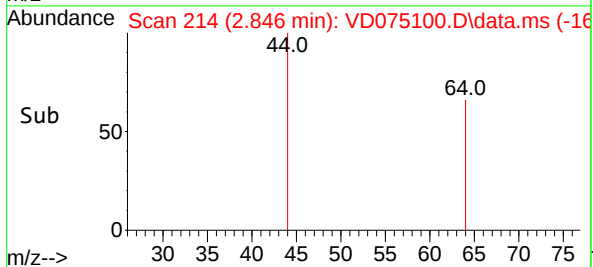
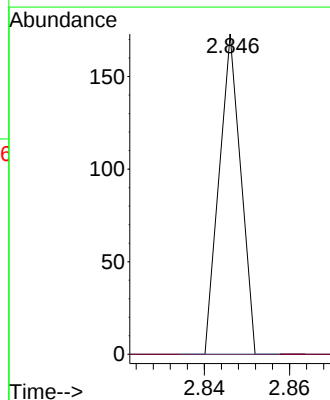
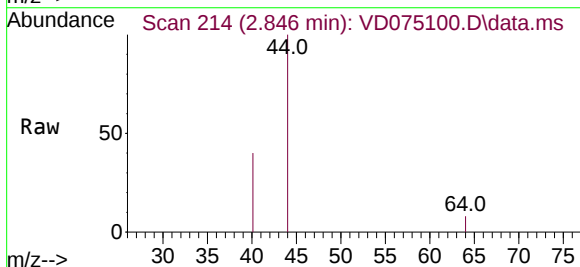
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

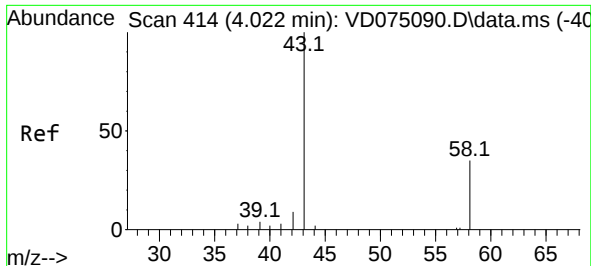
Tgt Ion: 94 Resp: 408
Ion Ratio Lower Upper
94 100
96 120.6 72.5 108.7#



#6
Chloroethane
Concen: Below Cal
RT: 2.846 min Scan# 214
Delta R.T. 0.012 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.2#





#16

Acetone

Concen: 2.615 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

Instrument :

MSVOA_D

ClientSampleId :

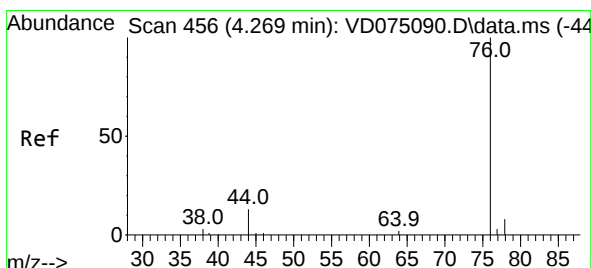
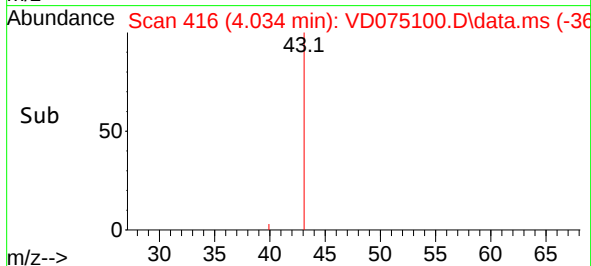
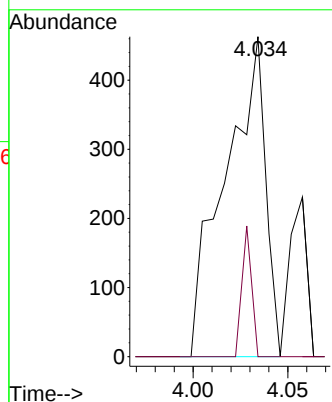
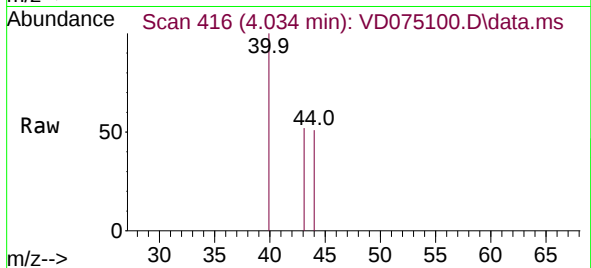
B-1-(10-12)

Tgt Ion: 43 Resp: 685

Ion Ratio Lower Upper

43 100

58 0.0 28.3 42.5#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD075100.D

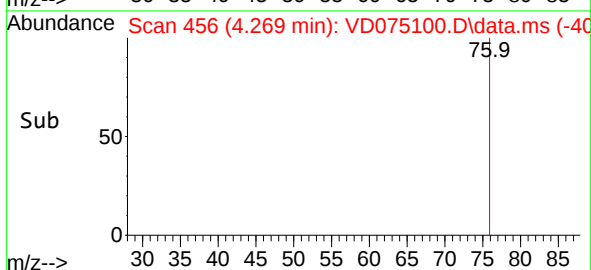
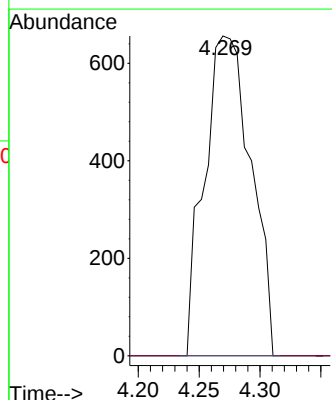
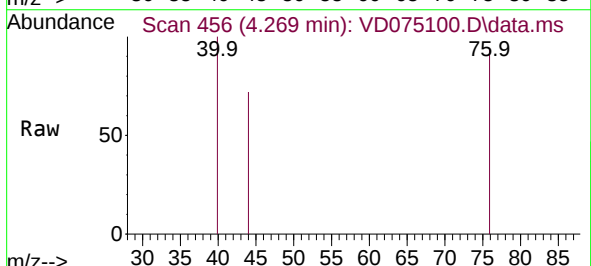
Acq: 10 Jan 2023 12:10

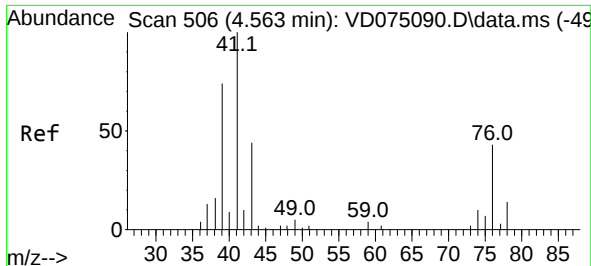
Tgt Ion: 76 Resp: 1745

Ion Ratio Lower Upper

76 100

78 0.0 6.3 9.5#

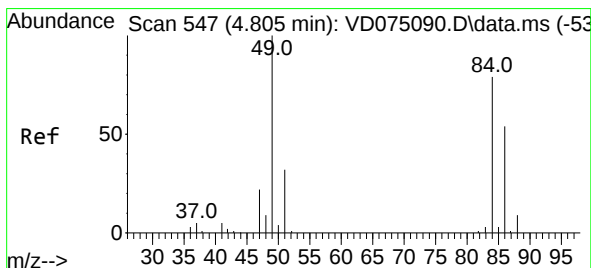
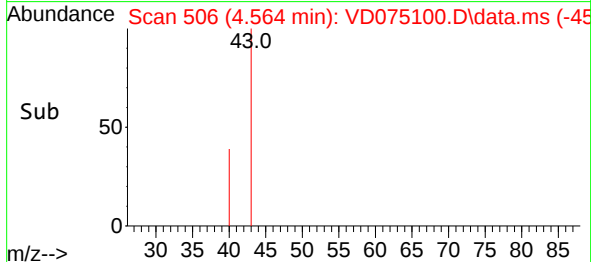
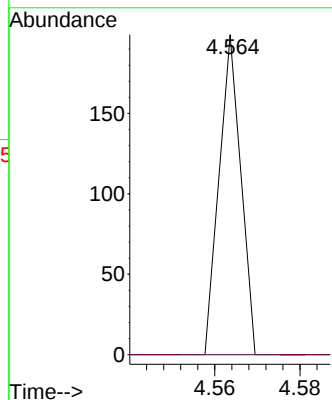
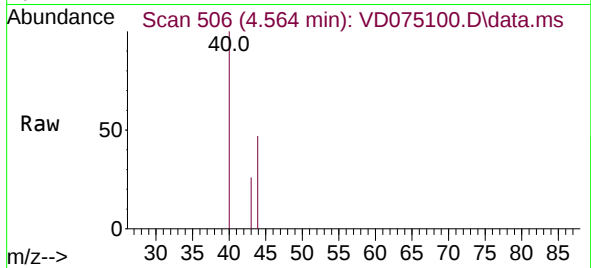




#18
Methyl Acetate
Concen: Below Cal
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

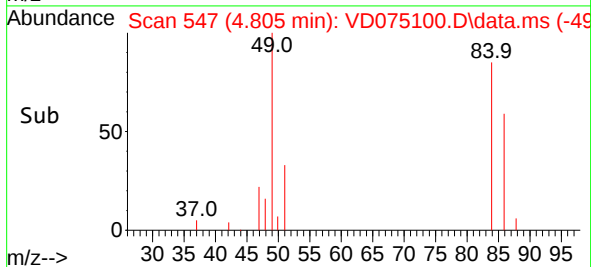
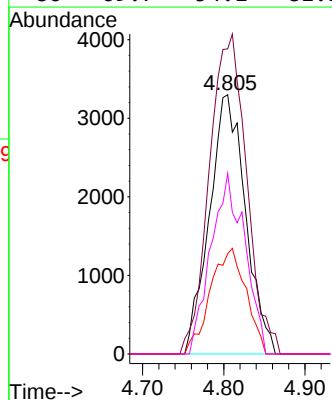
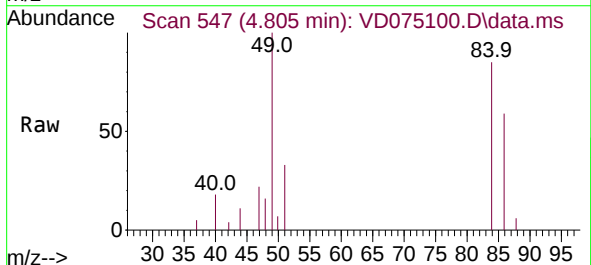
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

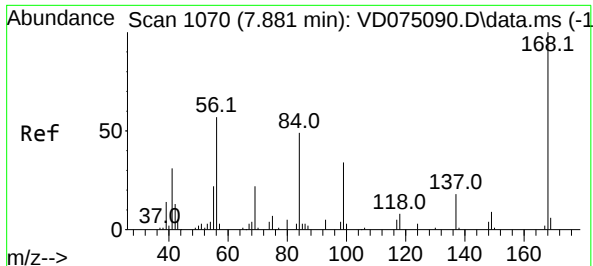
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 84 Resp: 10189
Ion Ratio Lower Upper
84 100
49 117.7 100.6 151.0
51 38.7 31.8 47.8
86 69.7 54.1 81.1





#31

Cyclohexane

Concen: Below Cal

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

Instrument :

MSVOA_D

ClientSampleId :

B-1-(10-12)

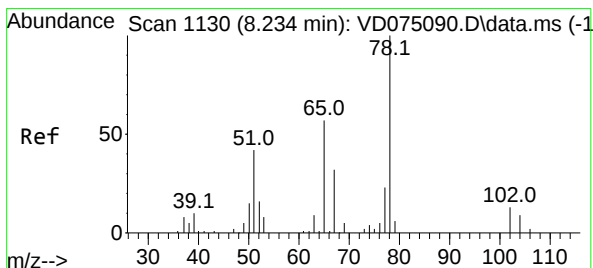
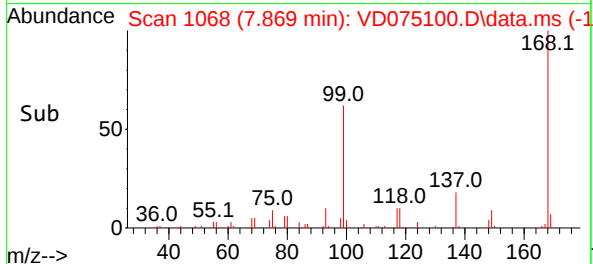
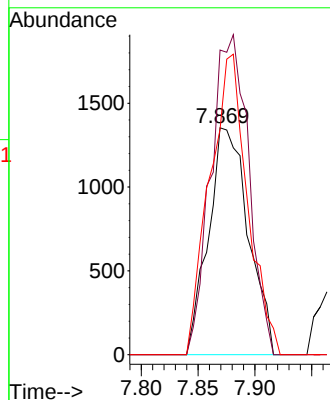
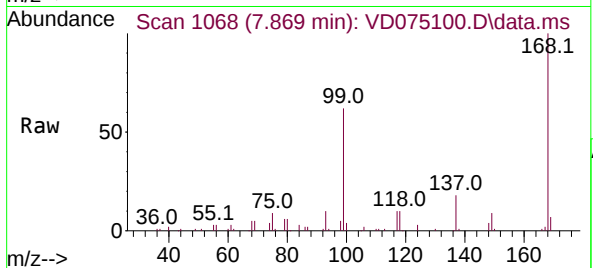
Tgt Ion: 56 Resp: 3301

Ion Ratio Lower Upper

56 100

69 134.2 30.4 45.6#

84 99.3 68.6 102.8



#33

1,2-Dichloroethane-d4

Concen: 61.583 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075100.D

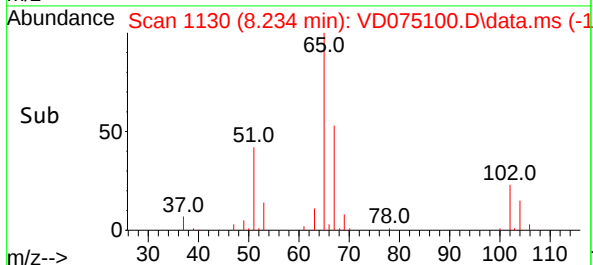
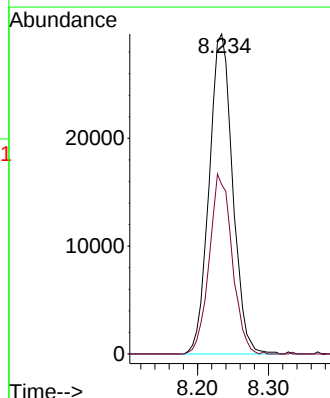
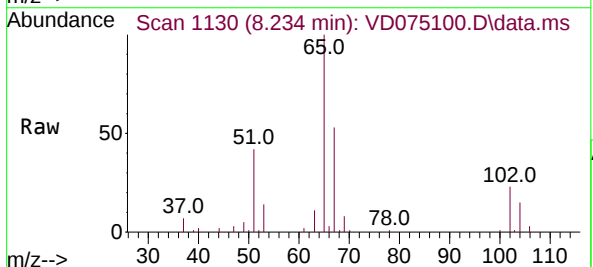
Acq: 10 Jan 2023 12:10

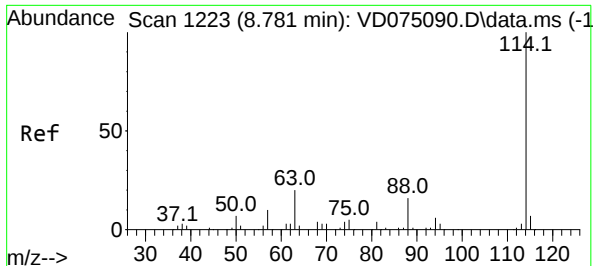
Tgt Ion: 65 Resp: 68085

Ion Ratio Lower Upper

65 100

67 54.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

Instrument :

MSVOA_D

ClientSampleId :

B-1-(10-12)

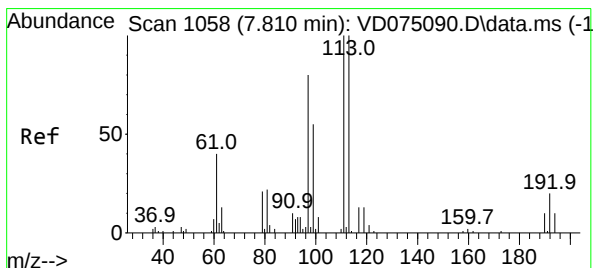
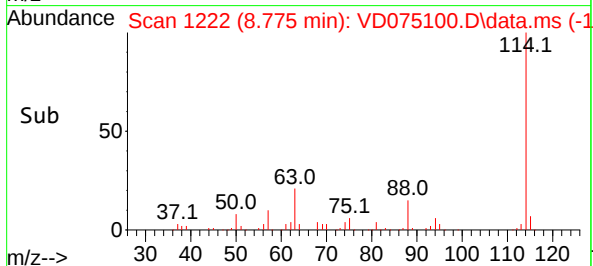
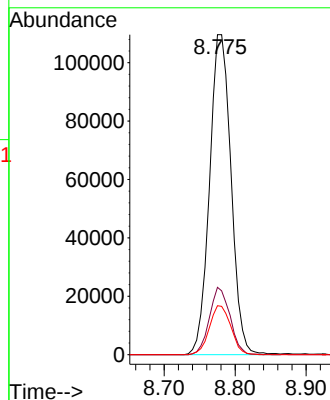
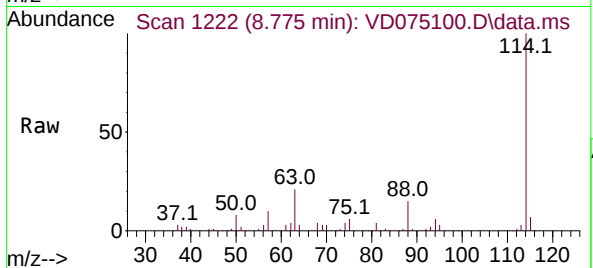
Tgt Ion:114 Resp: 230591

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 15.3 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.799 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

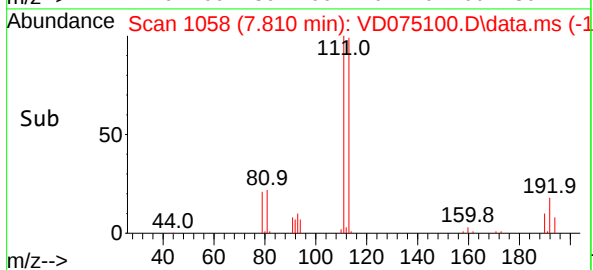
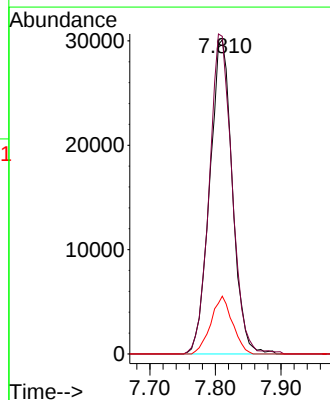
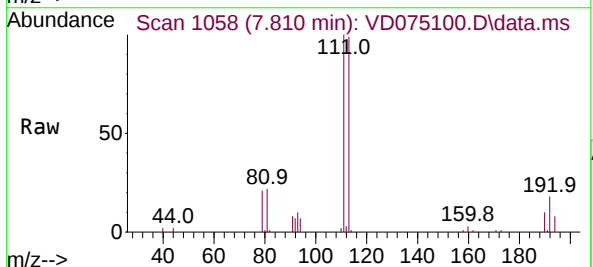
Tgt Ion:113 Resp: 72233

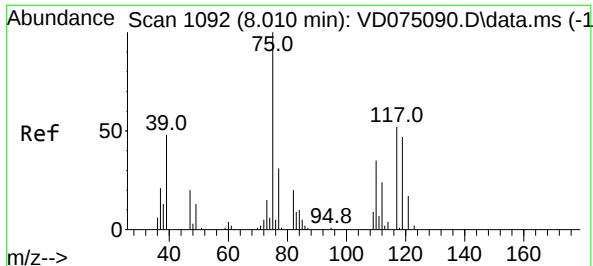
Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

192 17.5 15.0 22.6





#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

Instrument :

MSVOA_D

ClientSampleId :

B-1-(10-12)

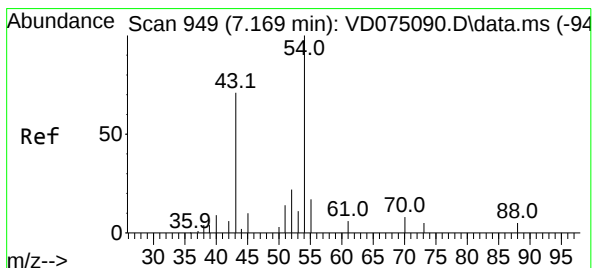
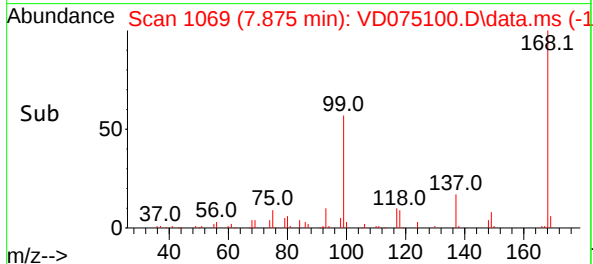
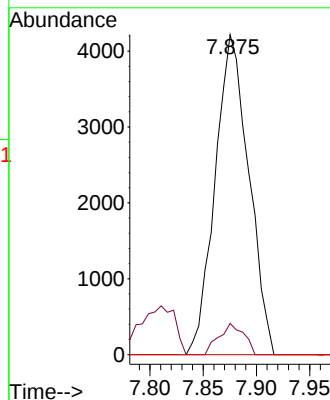
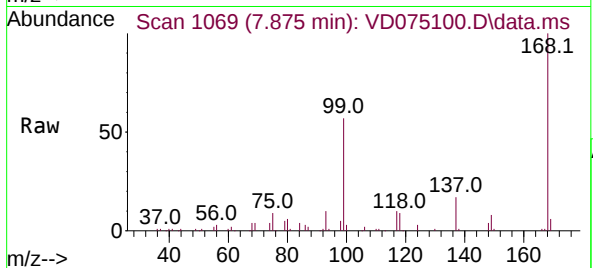
Tgt Ion: 75 Resp: 9259

Ion Ratio Lower Upper

75 100

110 7.2 18.8 56.3#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.122 min Scan# 941

Delta R.T. -0.047 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

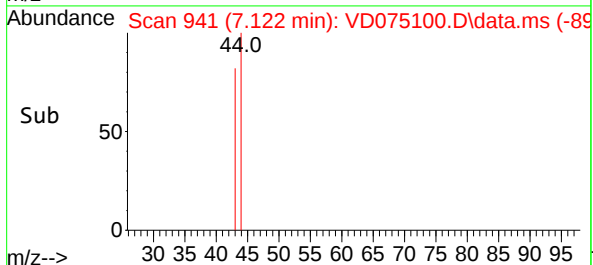
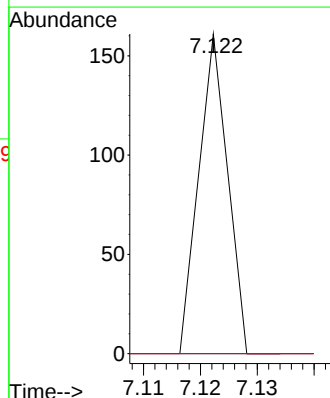
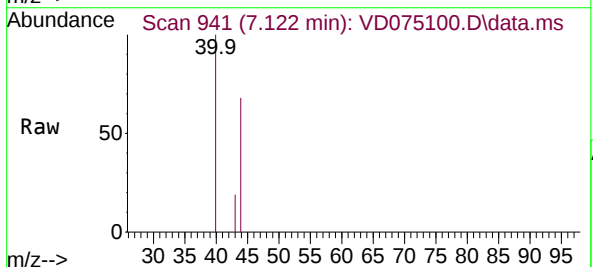
Tgt Ion: 43 Resp: 57

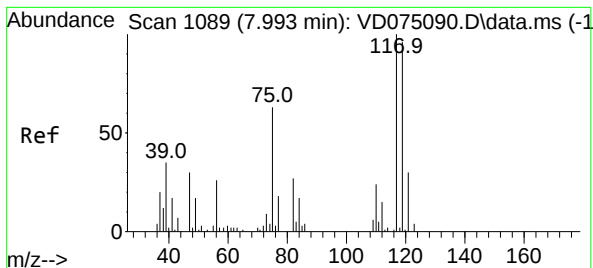
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 7.014 ug/l

RT: 7.881 min Scan# 110

Delta R.T. -0.112 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

Instrument :

MSVOA_D

ClientSampleId :

B-1-(10-12)

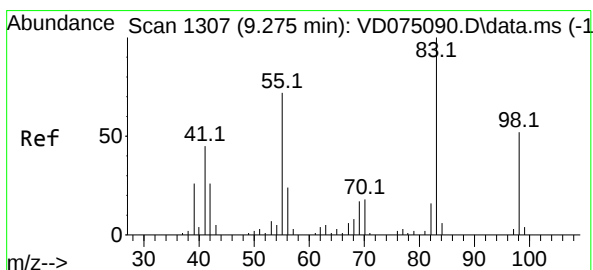
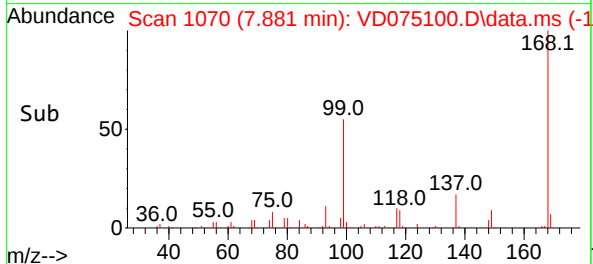
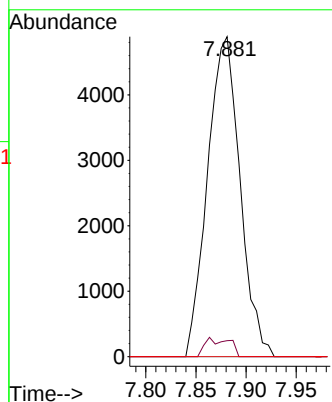
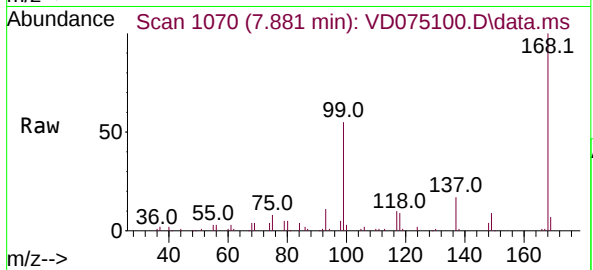
Tgt Ion:117 Resp: 11028

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

121 0.0 23.8 35.8#



#39

Methylcyclohexane

Concen: 2.334 ug/l

RT: 9.281 min Scan# 1308

Delta R.T. 0.006 min

Lab File: VD075100.D

Acq: 10 Jan 2023 12:10

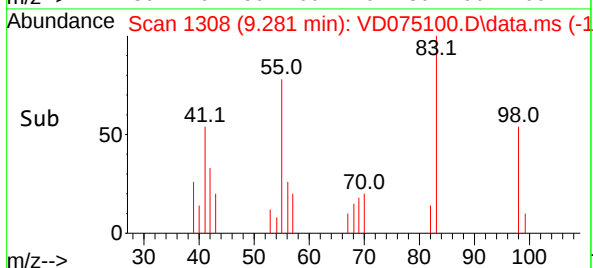
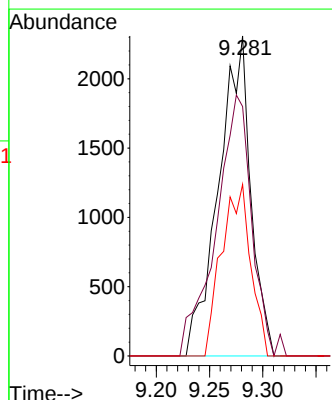
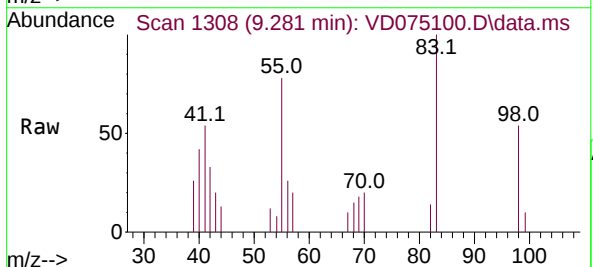
Tgt Ion: 83 Resp: 4845

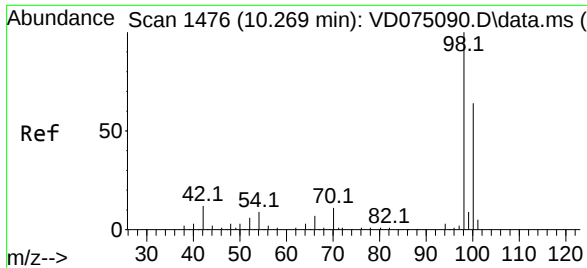
Ion Ratio Lower Upper

83 100

55 78.0 57.6 86.4

98 53.6 41.4 62.0

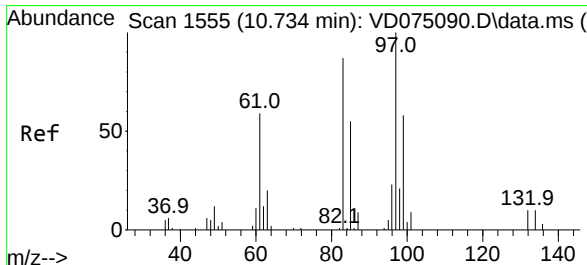
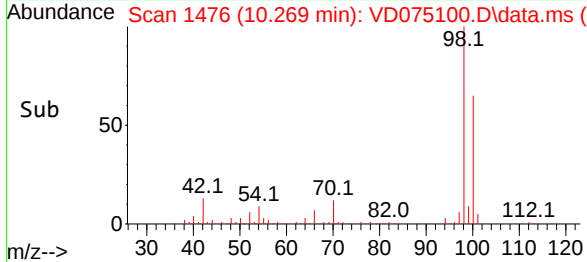
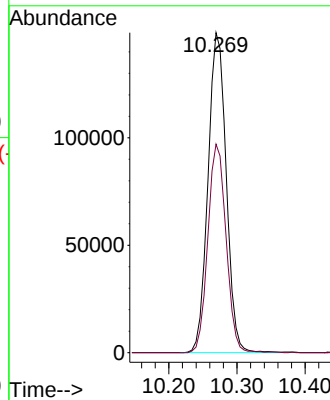
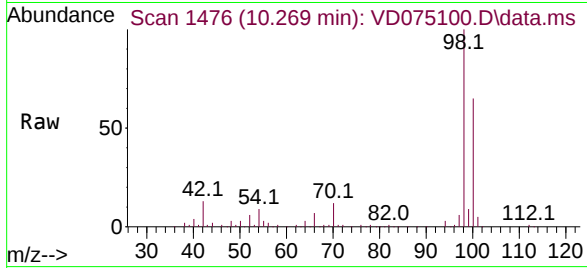




#50
Toluene-d8
Concen: 48.213 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

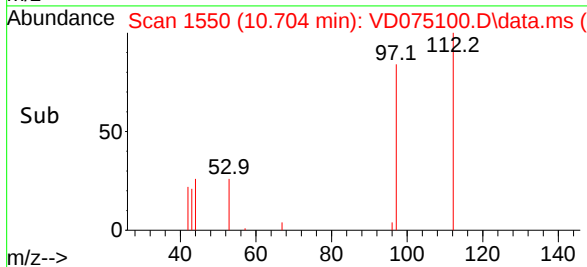
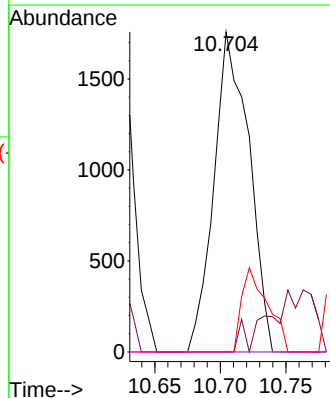
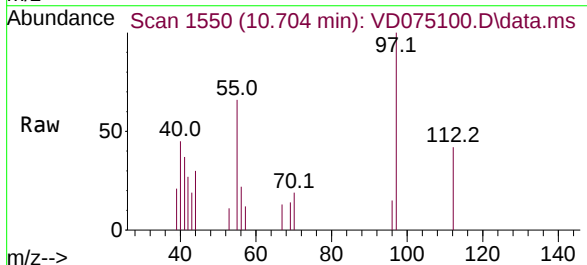
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

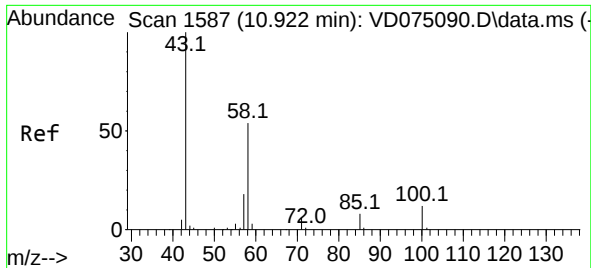
Tgt Ion: 98 Resp: 277282
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 3.041 ug/l
RT: 10.704 min Scan# 1550
Delta R.T. -0.029 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 97 Resp: 3266
Ion Ratio Lower Upper
97 100
83 0.0 69.4 104.2#
85 0.0 43.8 65.8#
99 0.0 46.2 69.2#

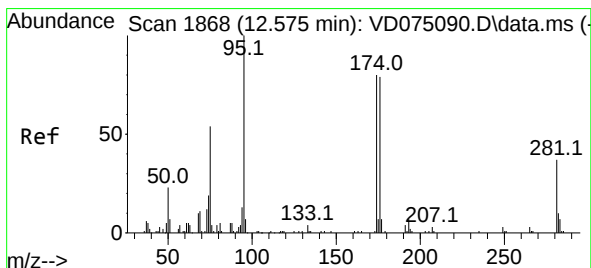
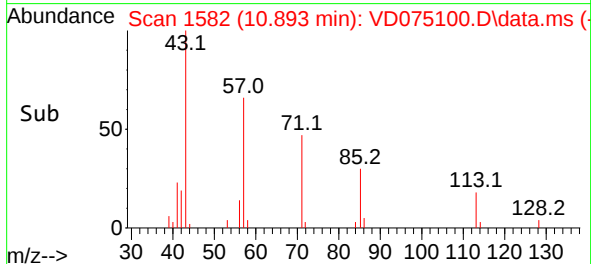
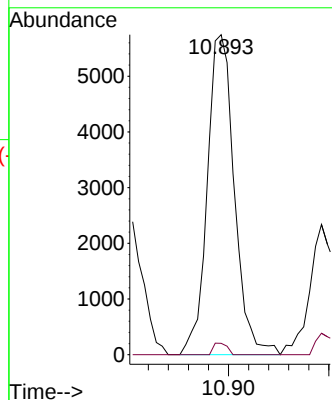
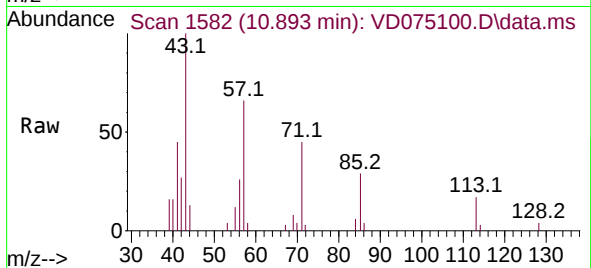




#59
2-Hexanone
Concen: 17.687 ug/l
RT: 10.893 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

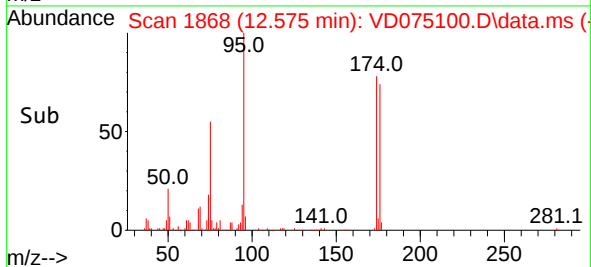
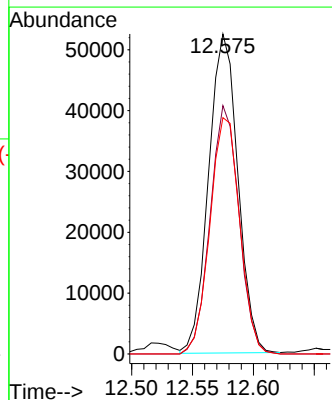
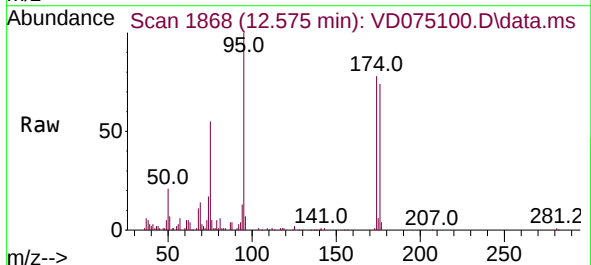
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

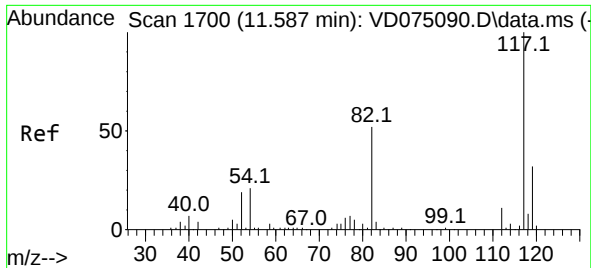
Tgt Ion: 43 Resp: 10789
Ion Ratio Lower Upper
43 100
58 1.8 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.426 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 95 Resp: 87548
Ion Ratio Lower Upper
95 100
174 76.6 0.0 168.4
176 75.4 0.0 163.8

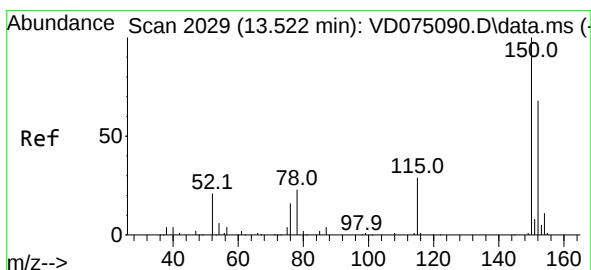
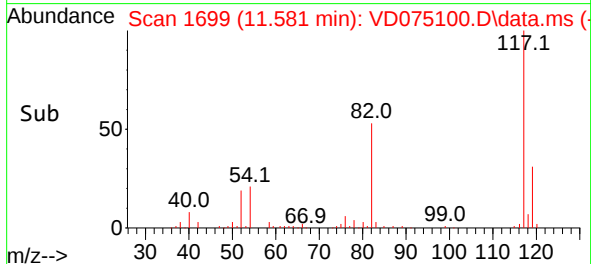
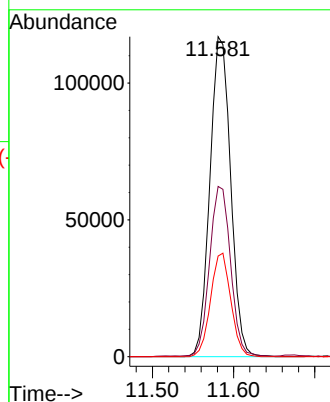
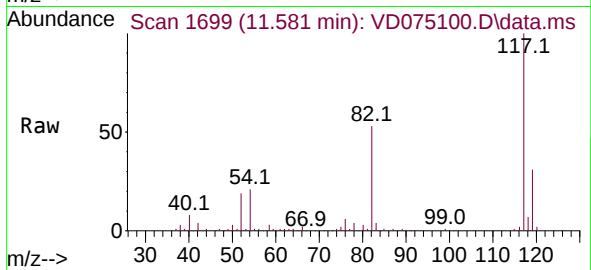




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

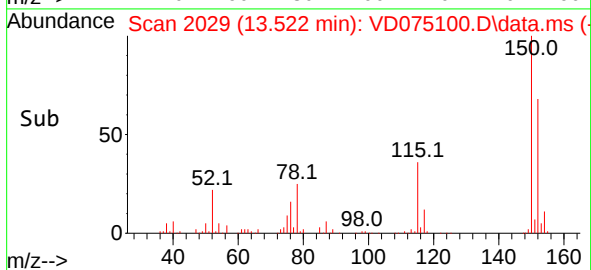
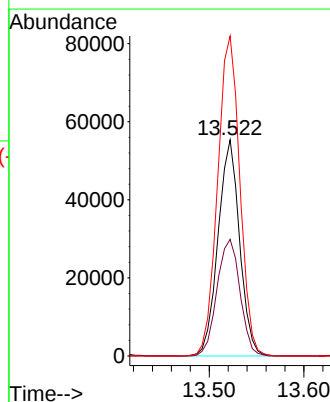
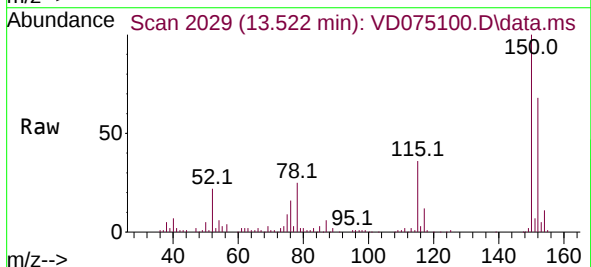
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

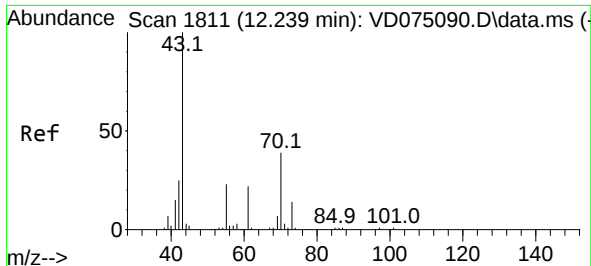
Tgt Ion:117 Resp: 207385
Ion Ratio Lower Upper
117 100
82 53.0 41.3 61.9
119 31.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion:152 Resp: 87617
Ion Ratio Lower Upper
152 100
115 57.5 28.7 86.1
150 152.2 0.0 343.2

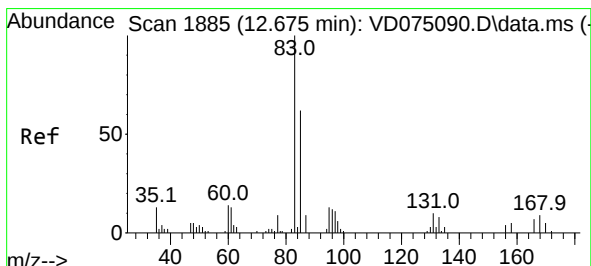
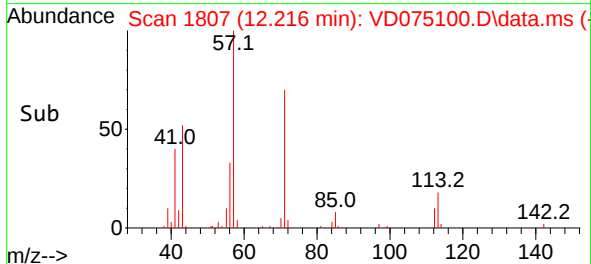
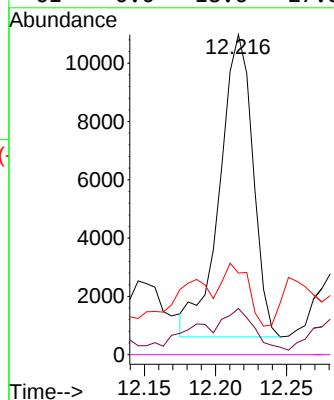
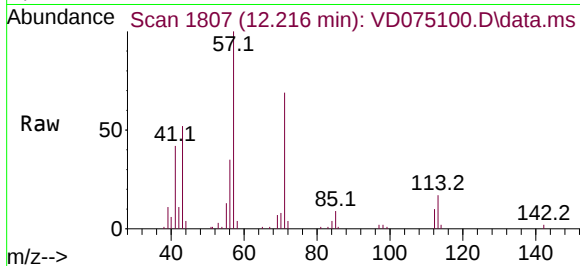




#74
N-amy1 acetate
Concen: 11.364 ug/l
RT: 12.216 min Scan# 1807
Delta R.T. -0.023 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

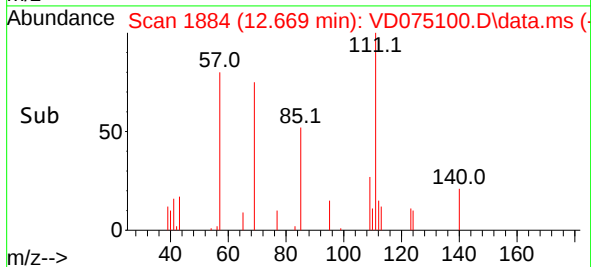
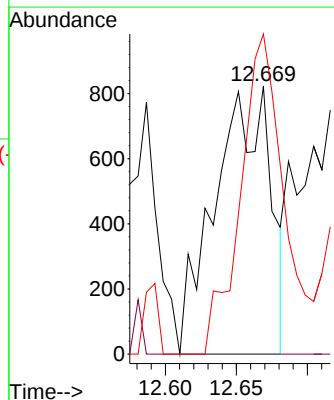
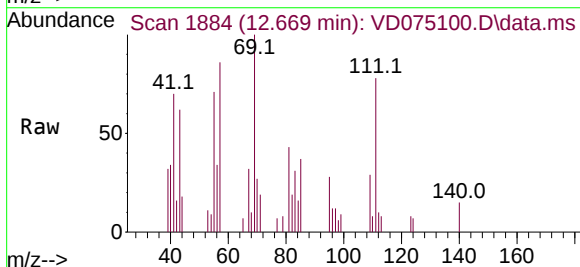
Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

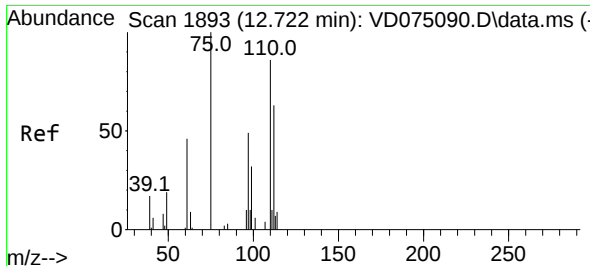
Tgt Ion: 43	Resp: 16909
Ion Ratio	Lower Upper
43 100	
70 12.7	33.4 50.0#
55 18.9	17.4 26.0
61 0.0	18.6 27.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.982 ug/l
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 83	Resp: 2225		
Ion Ratio	Lower	Upper	
83 100			
131 0.0	5.3	16.1#	
85 93.4	32.4	97.2	

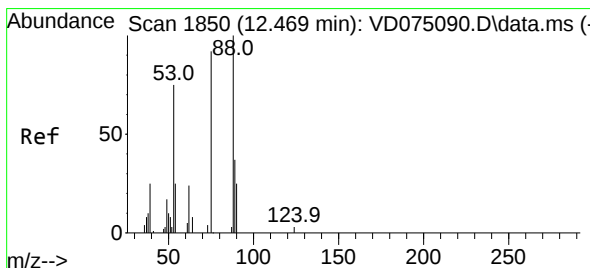
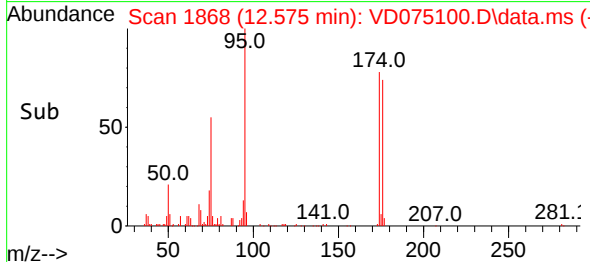
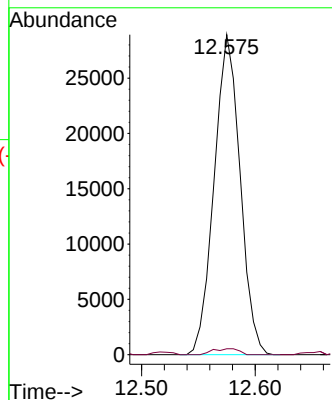
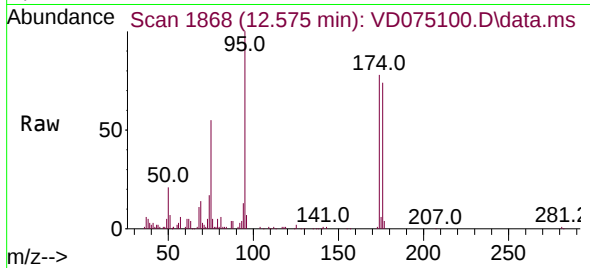




#76
1,2,3-Trichloropropane
Concen: 54.889 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Instrument :
MSVOA_D
ClientSampleId :
B-1-(10-12)

Tgt Ion: 75 Resp: 45888
Ion Ratio Lower Upper
75 100
77 1.9 149.0 447.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.770 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075100.D
Acq: 10 Jan 2023 12:10

Tgt Ion: 75 Resp: 45888
Ion Ratio Lower Upper
75 100
53 1.6 68.6 103.0#
89 0.0 33.4 50.0#

