

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075101.D
 Acq On : 10 Jan 2023 12:38
 Operator : KP/SY
 Sample : 01080-02
 Misc : 5.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-1-(40-42)

Quant Time: Jan 11 01:48:47 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)

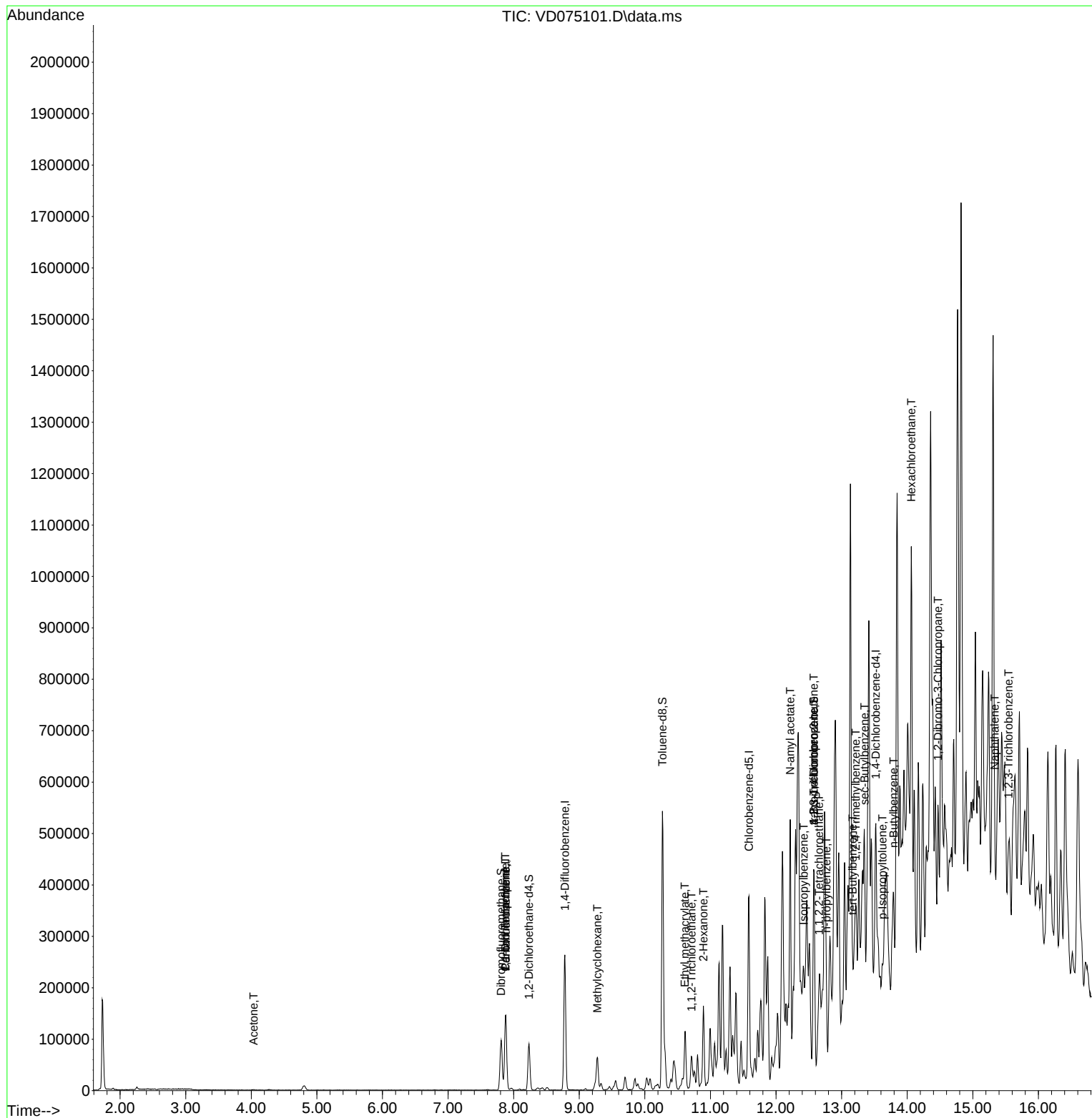
Internal Standards						
1) Pentafluorobenzene	7.881	168	110605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	234176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	209460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68378	61.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.320%			
35) Dibromofluoromethane	7.810	113	72796	49.419	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.840%			
50) Toluene-d8	10.269	98	285259	48.841	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.680%			
62) 4-Bromofluorobenzene	12.575	95	99144	52.885	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.780%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	273	Below Cal	#	43
5) Bromomethane	2.693	94	360	Below Cal	#	47
16) Acetone	4.034	43	1782	6.782	ug/l #	83
17) Carbon Disulfide	4.269	76	2030	Below Cal	#	78
20) Methylene Chloride	4.804	84	6611	Below Cal		95
31) Cyclohexane	7.881	56	3645	Below Cal	#	15
36) 1,1-Dichloropropene	7.875	75	9384	5.149	ug/l #	47
37) Ethyl Acetate	7.092	43	319	Below Cal	#	68
38) Carbon Tetrachloride	7.875	117	11277	7.063	ug/l #	15
39) Methylcyclohexane	9.275	83	27036	12.826	ug/l	97
55) 1,1,2-Trichloroethane	10.710	97	24552	22.512	ug/l #	21
56) Ethyl methacrylate	10.610	69	11882	9.019	ug/l #	1
59) 2-Hexanone	10.892	43	63146	101.934	ug/l #	30
73) Isopropylbenzene	12.422	105	45104	6.682	ug/l	100
74) N-amyl acetate	12.216	43	103265	67.352	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.657	83	9149	7.909	ug/l #	59
76) 1,2,3-Trichloropropane	12.575	75	46553	54.042	ug/l #	1
78) n-propylbenzene	12.769	91	104124	12.862	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.575	75	46553	143.522	ug/l #	22
83) tert-Butylbenzene	13.169	119	9543	1.975	ug/l	86
84) 1,2,4-Trimethylbenzene	13.216	105	72158	13.635	ug/l	100
85) sec-Butylbenzene	13.351	105	123089	16.809	ug/l	78
86) p-Isopropyltoluene	13.622	119	24129	4.079	ug/l	90
89) n-Butylbenzene	13.792	91	90843	15.615	ug/l	89
90) Hexachloroethane	14.063	117	24542	23.802	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.469	75	1518	8.160	ug/l #	1
95) Naphthalene	15.333	128	39977	11.956	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.545	180	2160	1.469	ug/l #	12

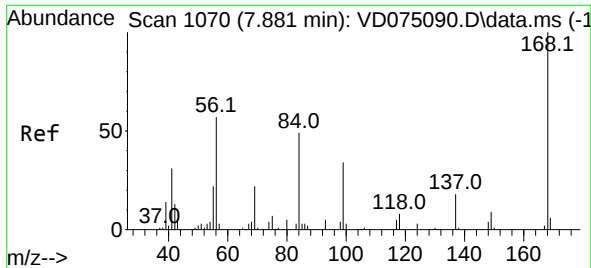
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
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Quant Title : SW846 8260
QLast Update : Tue Jan 10 03:36:33 2023
Response via : Initial Calibration

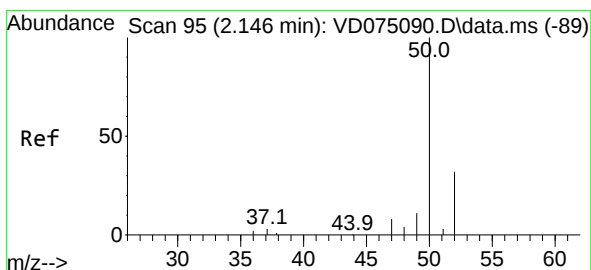
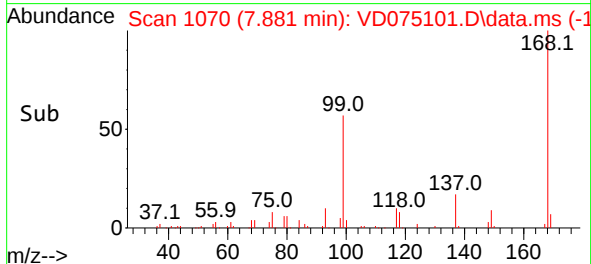
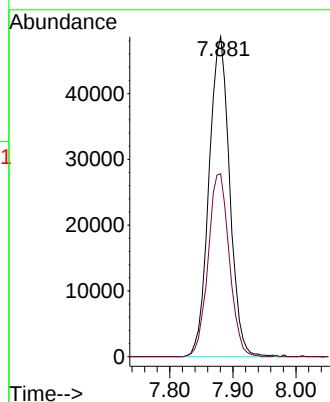
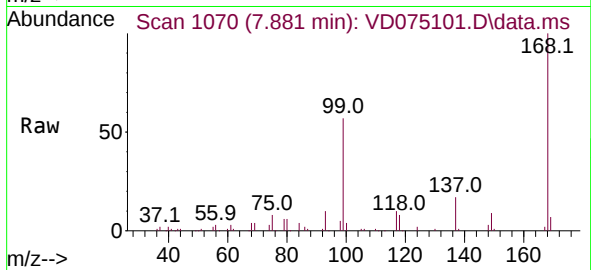




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

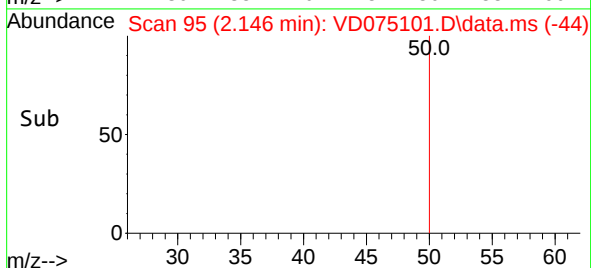
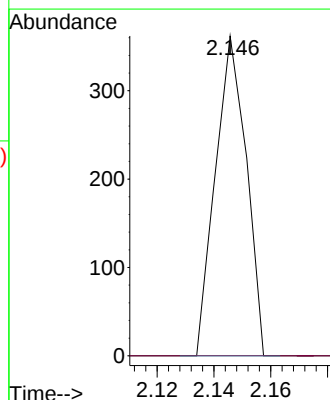
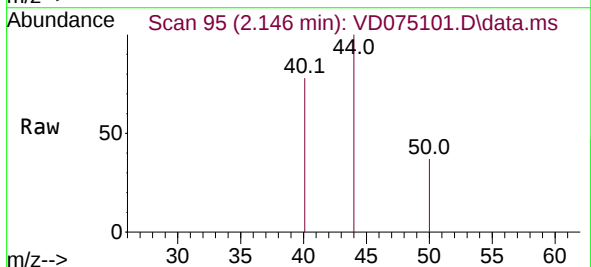
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

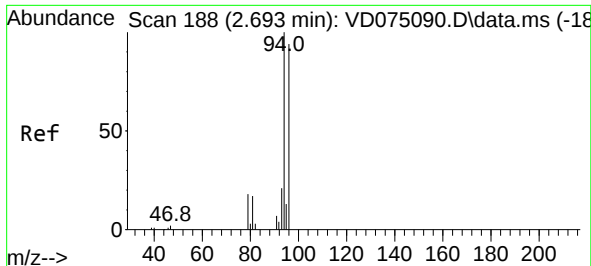
Tgt Ion:168 Resp: 110605
Ion Ratio Lower Upper
168 100
99 57.1 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

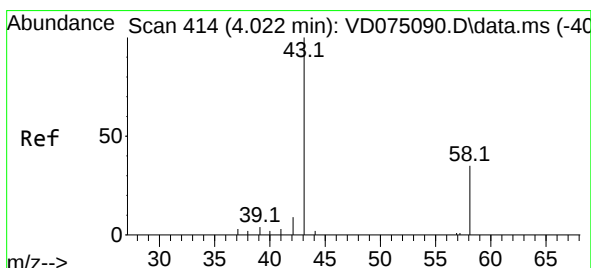
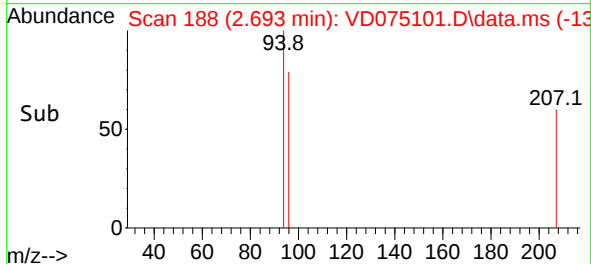
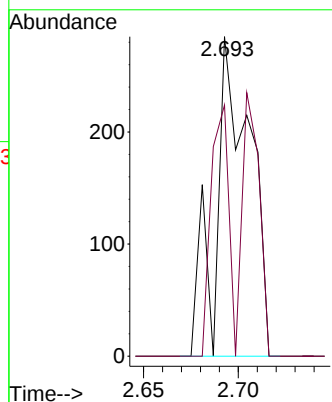
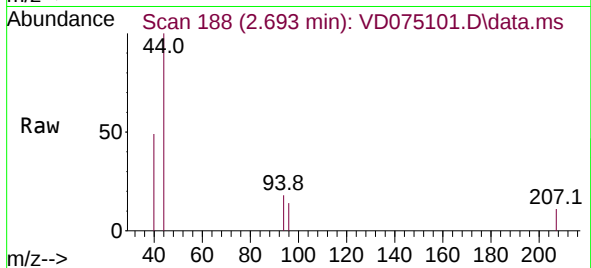




#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

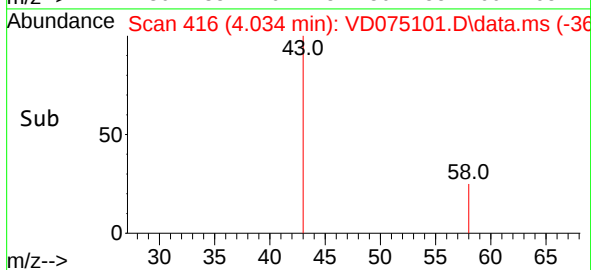
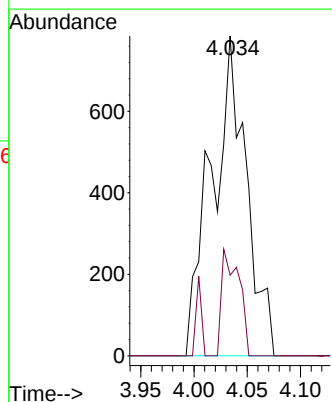
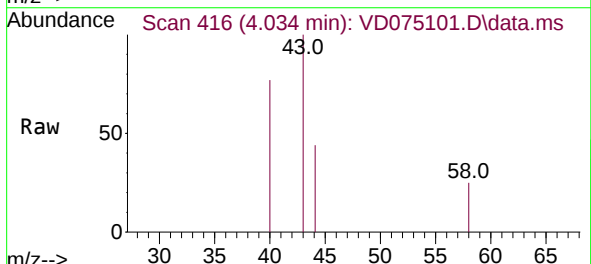
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

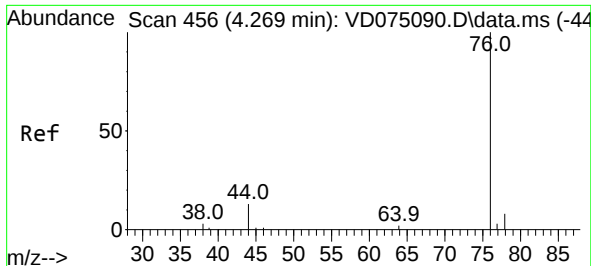
Tgt Ion: 94 Resp: 360
Ion Ratio Lower Upper
94 100
96 40.3 72.5 108.7#



#16
Acetone
Concen: 6.782 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
58 25.2 28.3 42.5#

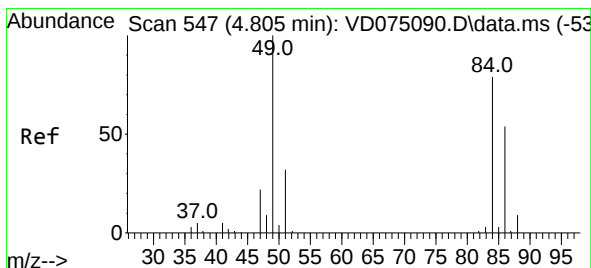
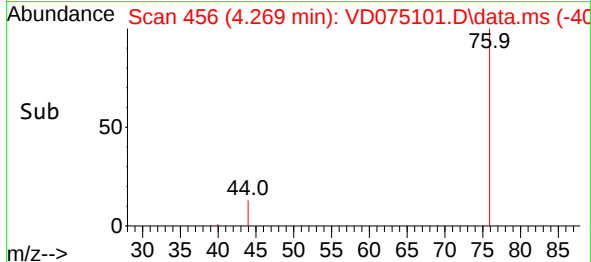
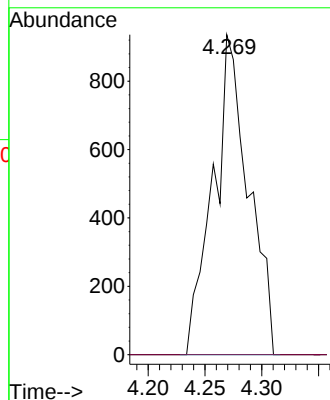
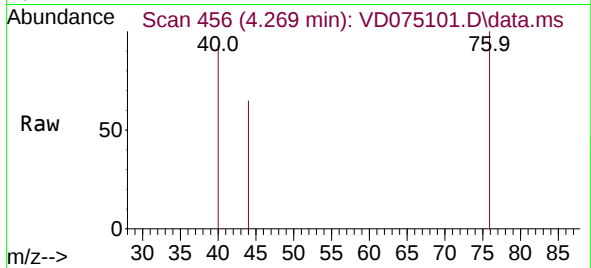




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

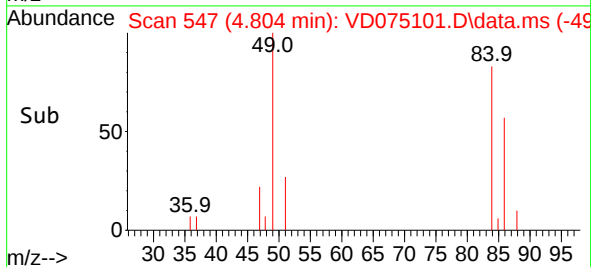
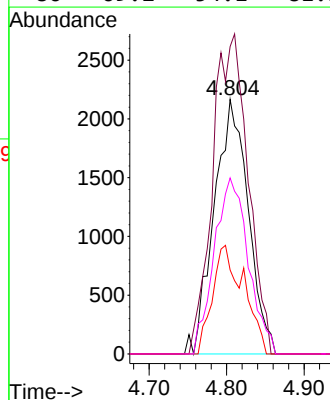
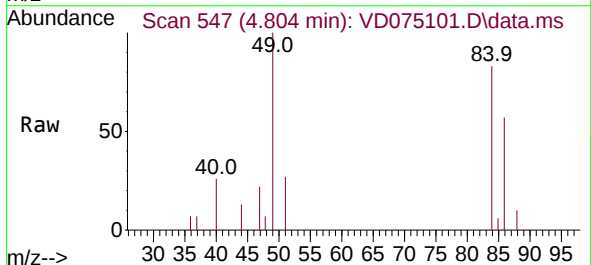
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

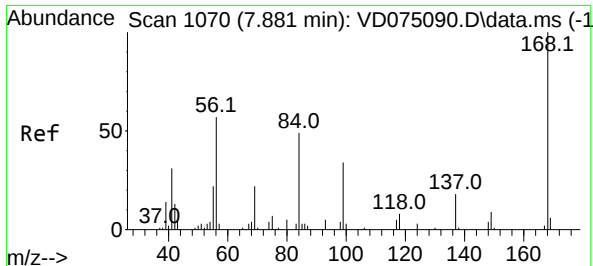
Tgt Ion: 76 Resp: 2030
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 547
Delta R.T. -0.001 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

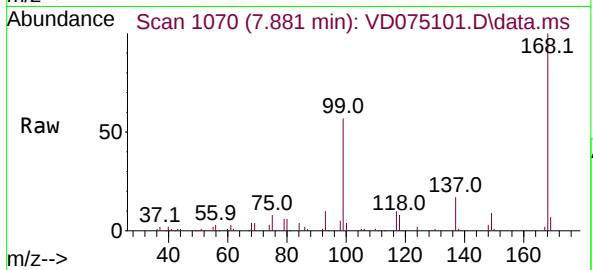
Tgt Ion: 84 Resp: 6611
Ion Ratio Lower Upper
84 100
49 120.8 100.6 151.0
51 33.0 31.8 47.8
86 69.2 54.1 81.1



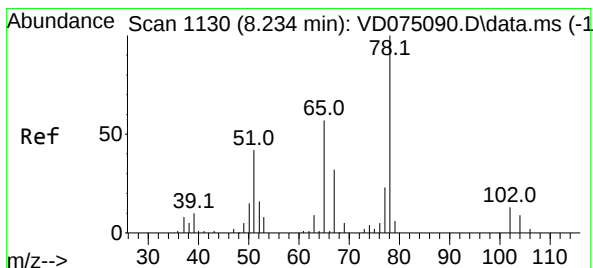
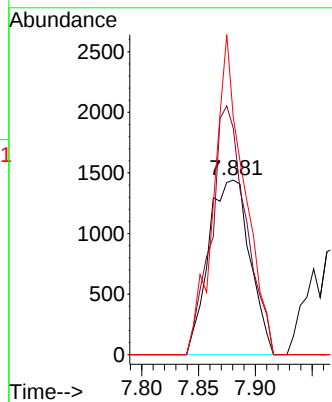
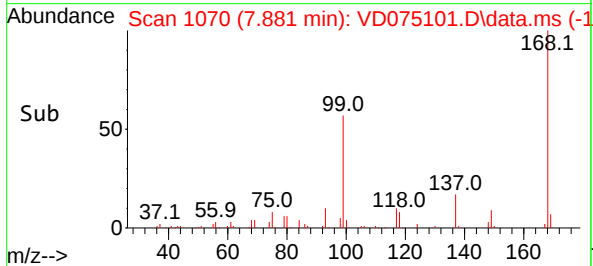


#31
Cyclohexane
Concen: Below Cal
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

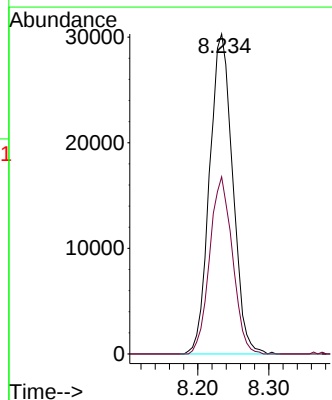
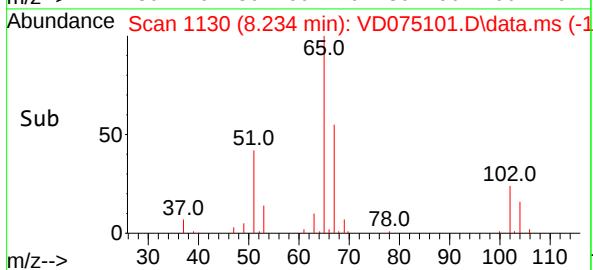
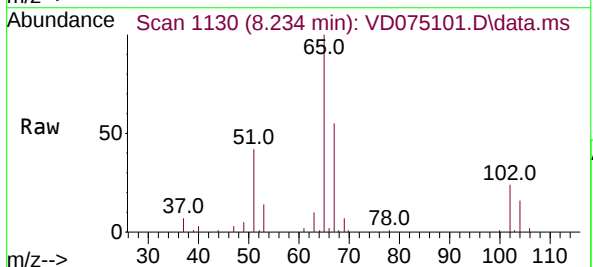


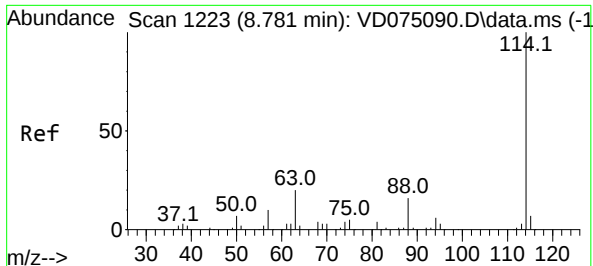
Tgt Ion: 56 Resp: 3645
Ion Ratio Lower Upper
56 100
69 129.7 30.4 45.6#
84 135.7 68.6 102.8#



#33
1,2-Dichloroethane-d4
Concen: 61.664 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 65 Resp: 68378
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

Instrument :

MSVOA_D

ClientSampleId :

B-1-(40-42)

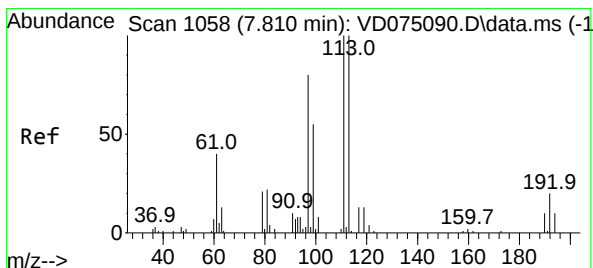
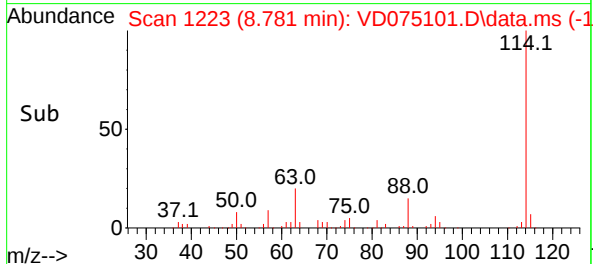
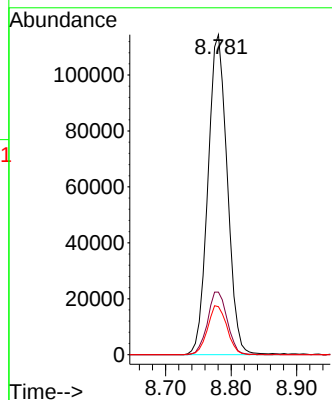
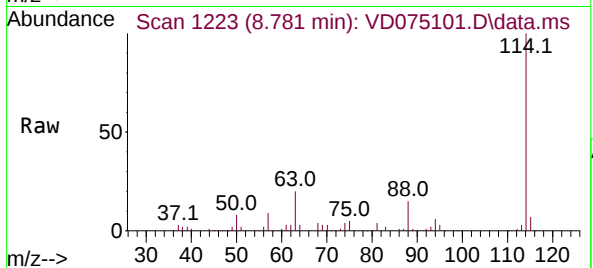
Tgt Ion:114 Resp: 234176

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.419 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

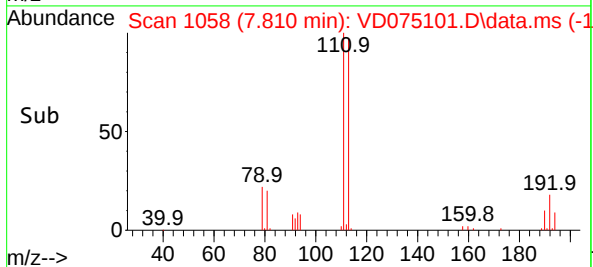
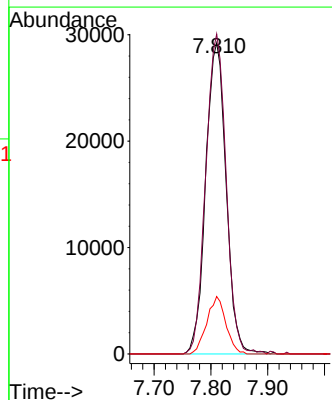
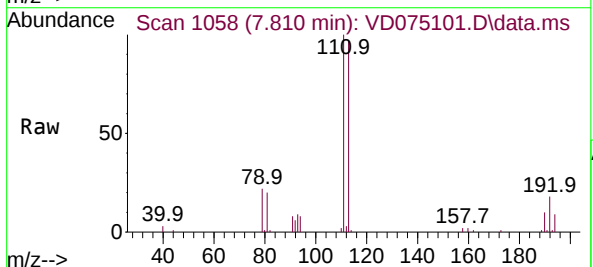
Tgt Ion:113 Resp: 72796

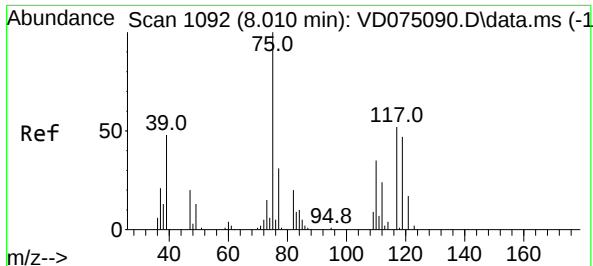
Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

192 17.3 15.0 22.6





#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

Instrument :

MSVOA_D

ClientSampleId :

B-1-(40-42)

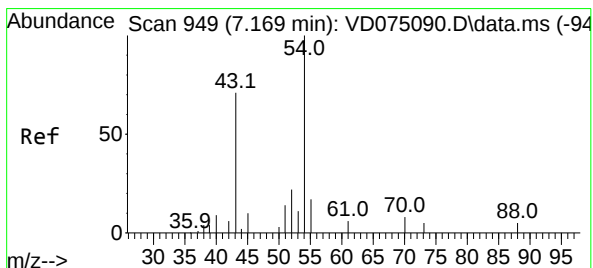
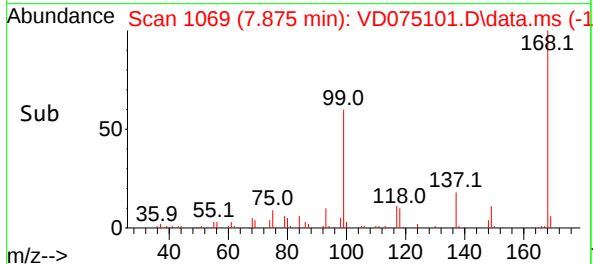
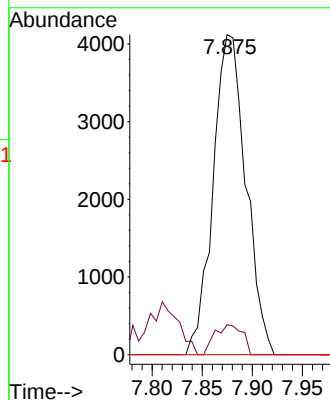
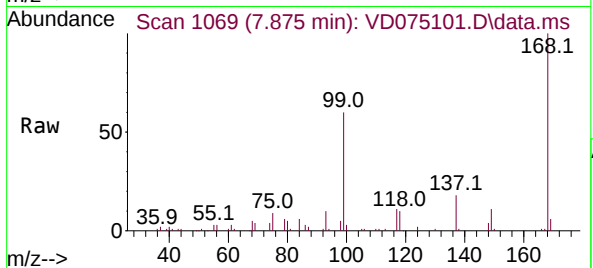
Tgt Ion: 75 Resp: 9384

Ion Ratio Lower Upper

75 100

110 7.9 18.8 56.3#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.092 min Scan# 936

Delta R.T. -0.077 min

Lab File: VD075101.D

Acq: 10 Jan 2023 12:38

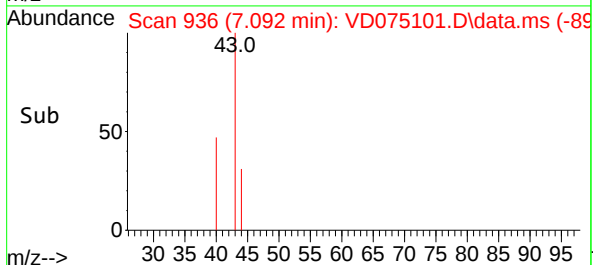
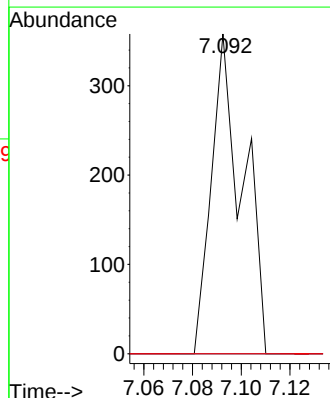
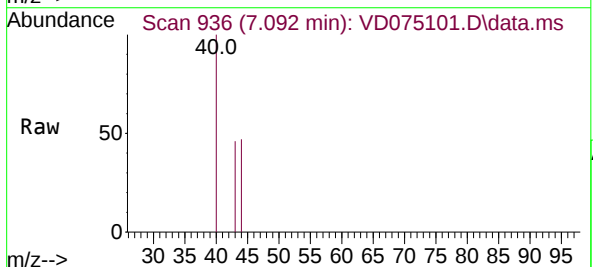
Tgt Ion: 43 Resp: 319

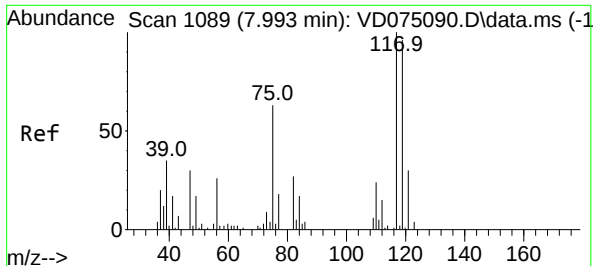
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

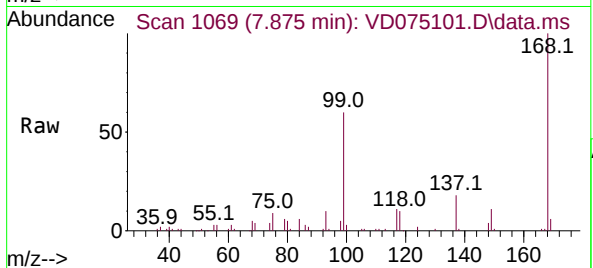
70 0.0 8.4 12.6#



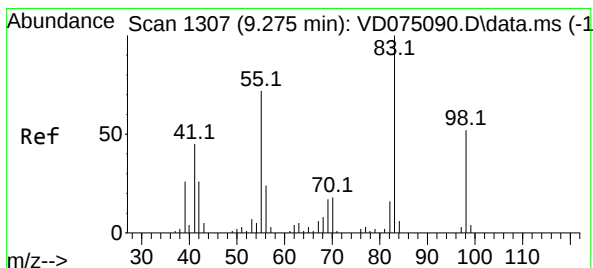
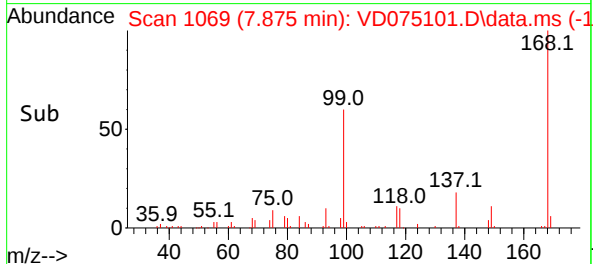
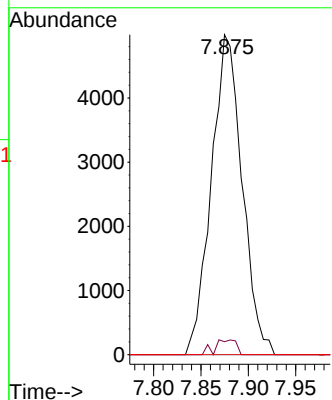


#38
Carbon Tetrachloride
Concen: 7.063 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

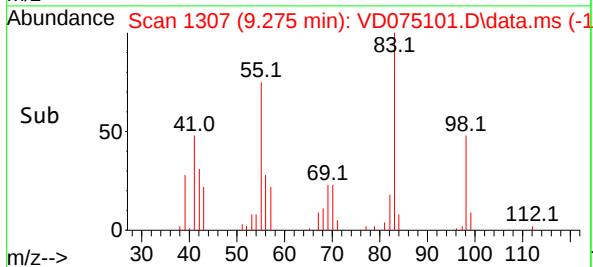
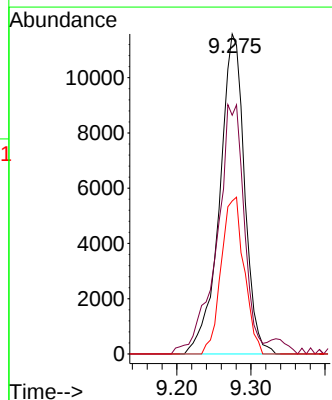
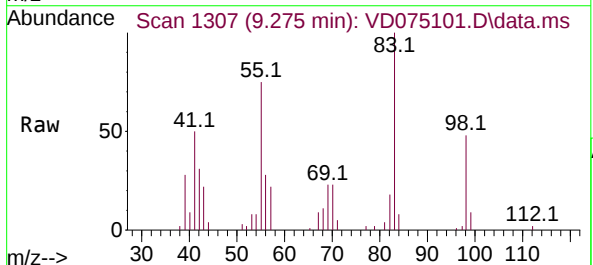


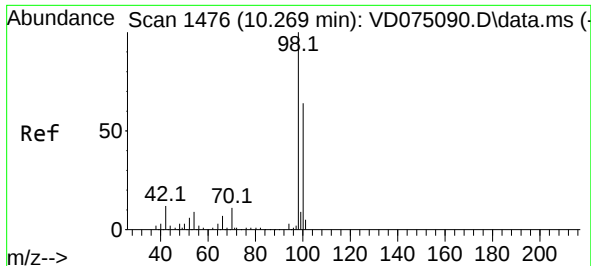
Tgt Ion:117 Resp: 11277
Ion Ratio Lower Upper
117 100
119 4.0 76.8 115.2#
121 0.0 23.8 35.8#



#39
Methylcyclohexane
Concen: 12.826 ug/l
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 83 Resp: 27036
Ion Ratio Lower Upper
83 100
55 72.3 57.6 86.4
98 47.8 41.4 62.0

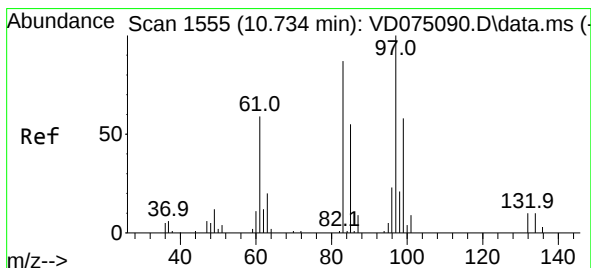
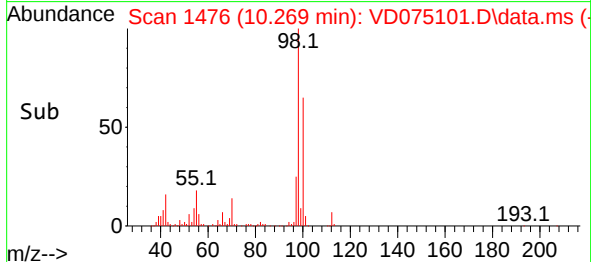
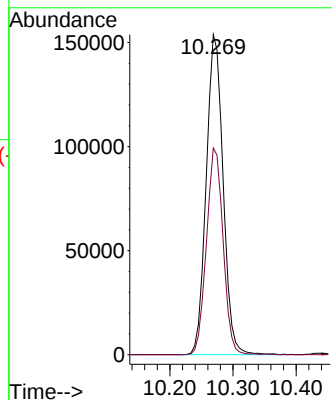
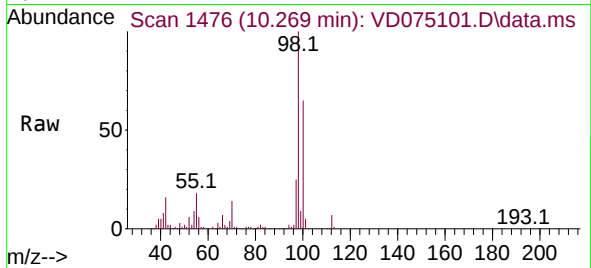




#50
Toluene-d8
Concen: 48.841 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

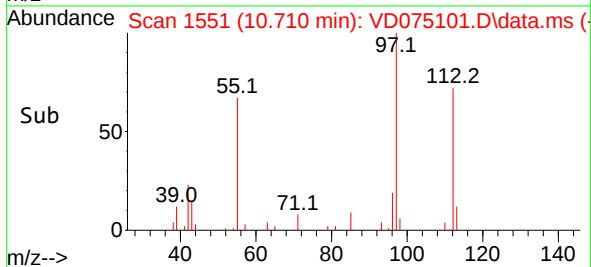
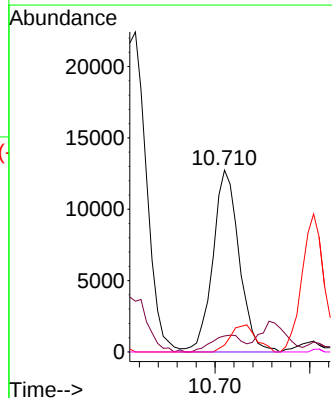
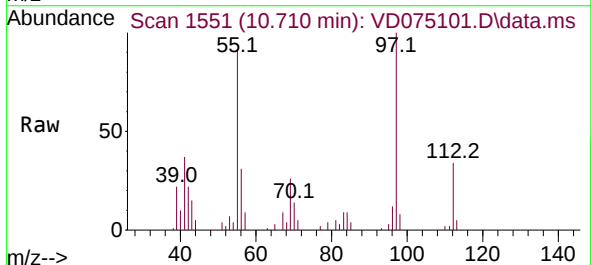
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

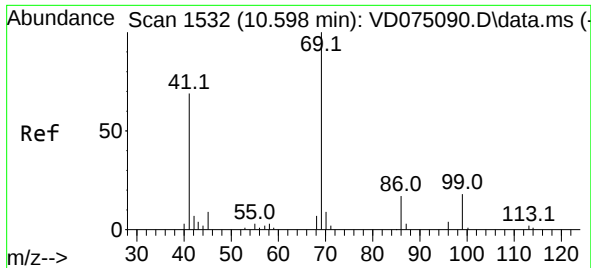
Tgt Ion: 98 Resp: 285259
Ion Ratio Lower Upper
98 100
100 63.6 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 22.512 ug/l
RT: 10.710 min Scan# 1551
Delta R.T. -0.024 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 97 Resp: 24552
Ion Ratio Lower Upper
97 100
83 7.6 69.4 104.2#
85 3.8 43.8 65.8#
99 0.0 46.2 69.2#

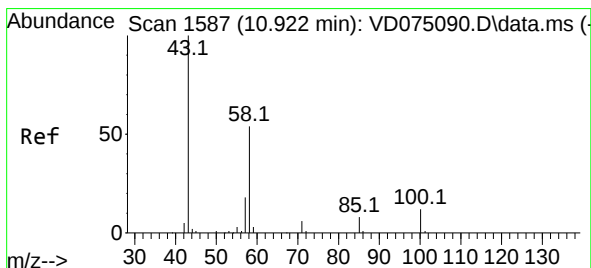
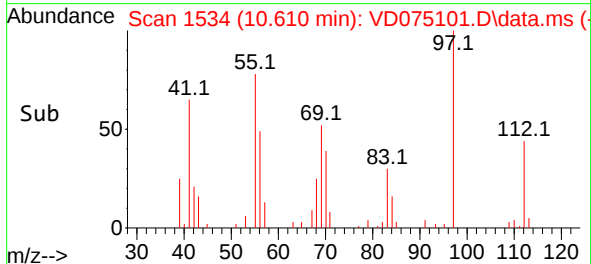
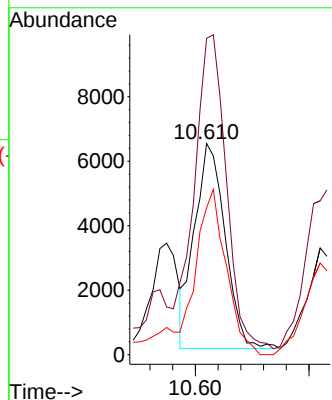
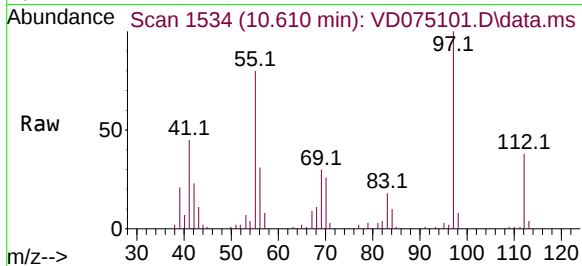




#56
Ethyl methacrylate
Concen: 9.019 ug/l
RT: 10.610 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

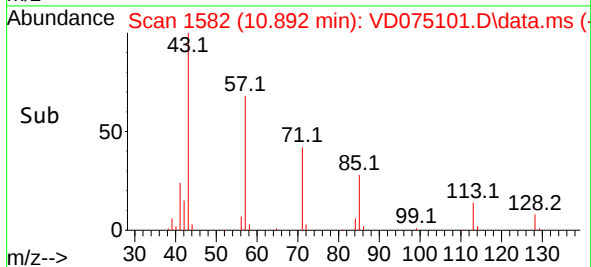
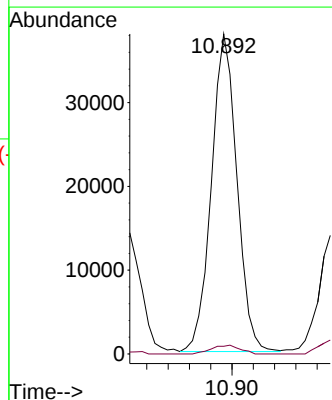
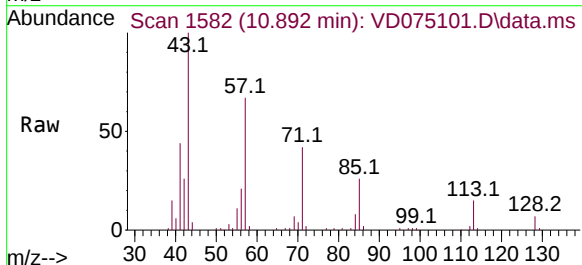
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

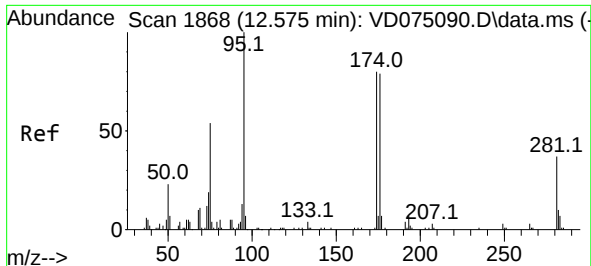
Tgt Ion: 69 Resp: 11882
Ion Ratio Lower Upper
69 100
41 160.2 54.4 81.6#
39 95.1 30.6 45.8#



#59
2-Hexanone
Concen: 101.934 ug/l
RT: 10.892 min Scan# 1582
Delta R.T. -0.030 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 43 Resp: 63146
Ion Ratio Lower Upper
43 100
58 3.1 26.6 79.8#

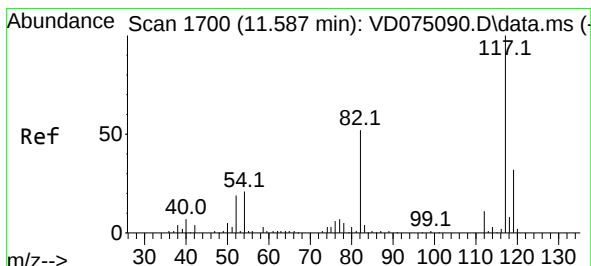
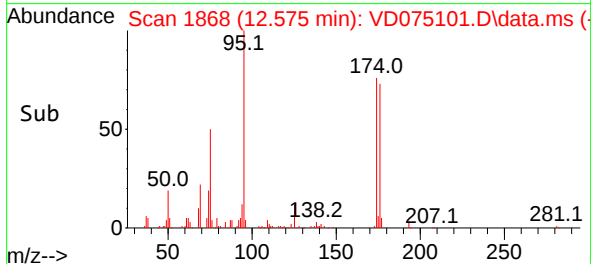
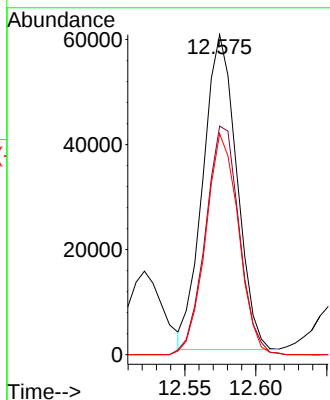
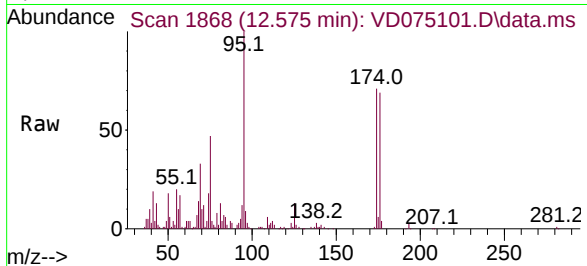




#62
4-Bromofluorobenzene
Concen: 52.885 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

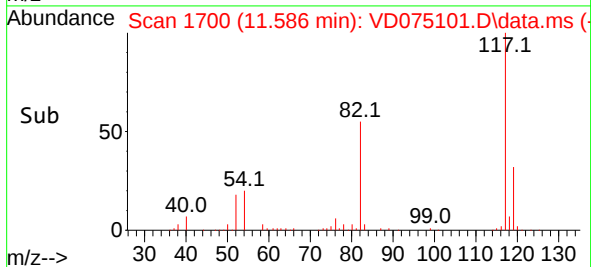
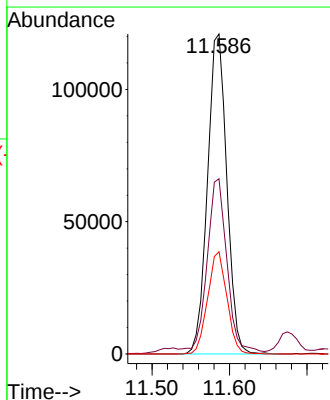
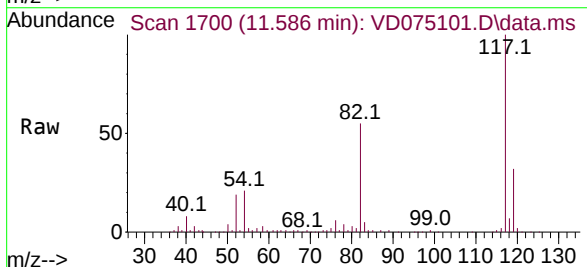
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

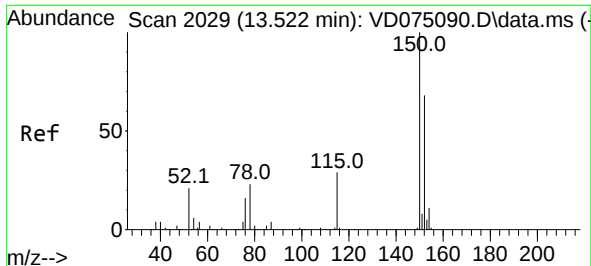
Tgt Ion:	95	Resp:	99144
Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	168.4
176	68.3	0.0	163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion:	117	Resp:	209460
Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.3	61.9
119	32.0	25.8	38.6

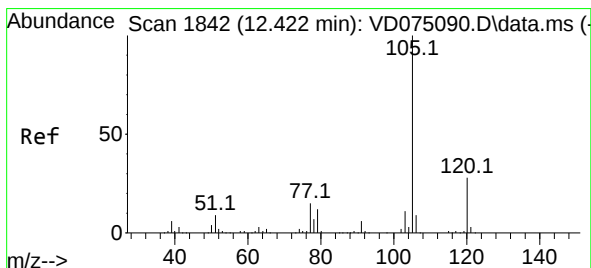
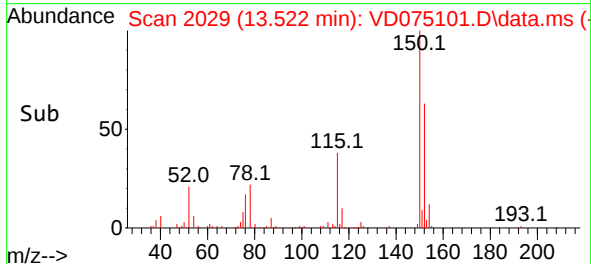
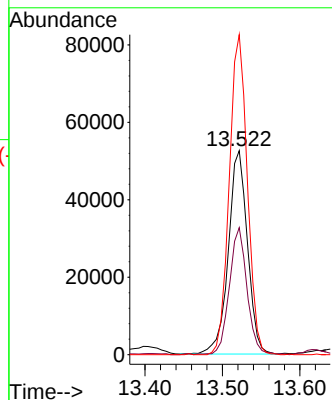
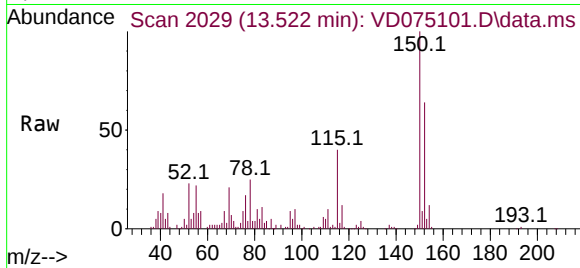




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

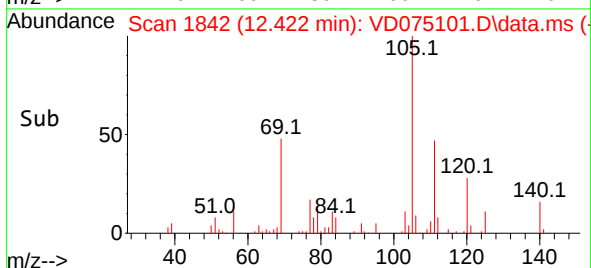
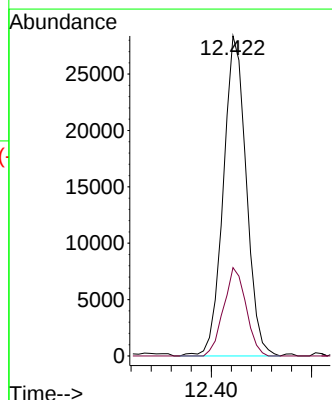
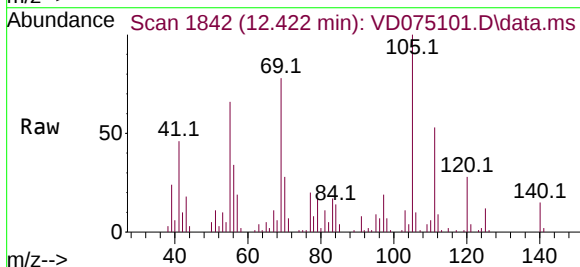
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

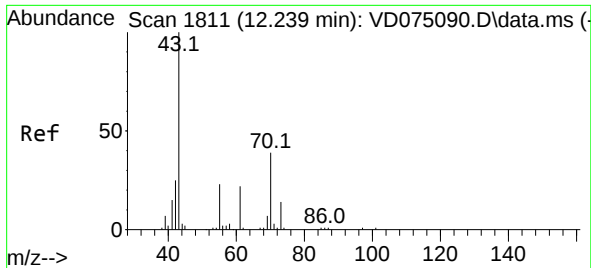
Tgt Ion:152 Resp: 90279
Ion Ratio Lower Upper
152 100
115 57.9 28.7 86.1
150 148.2 0.0 343.2



#73
Isopropylbenzene
Concen: 6.682 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion:105 Resp: 45104
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7

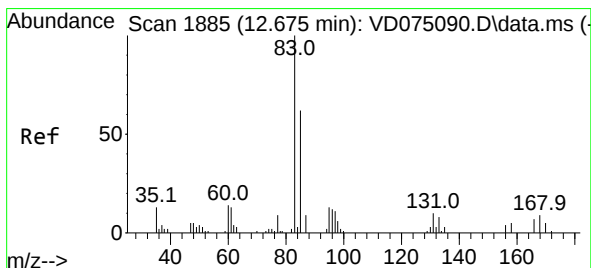
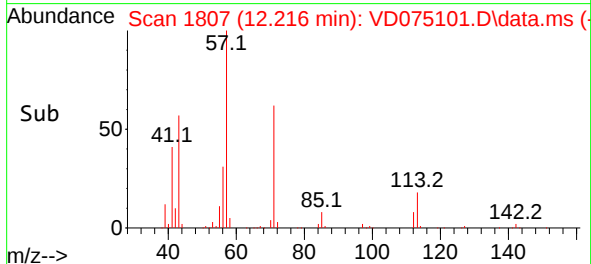
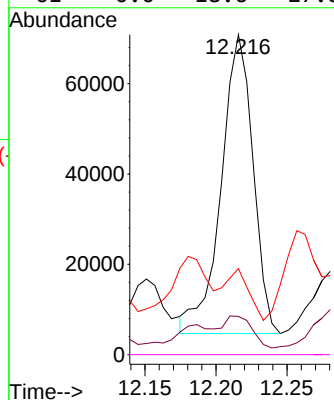
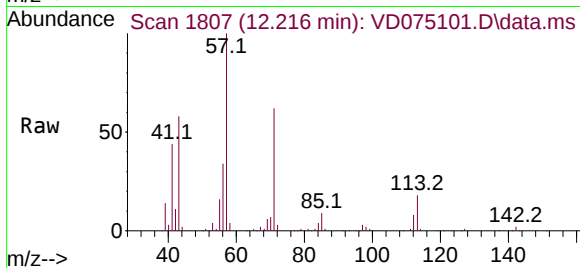




#74
N-amy1 acetate
Concen: 67.352 ug/l
RT: 12.216 min Scan# 1807
Delta R.T. -0.024 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

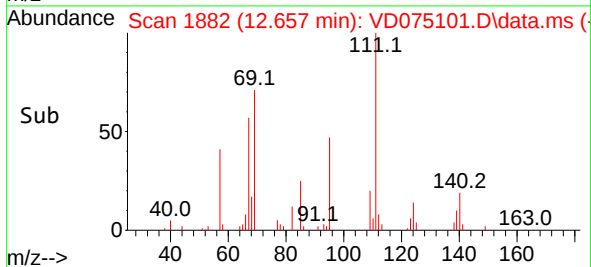
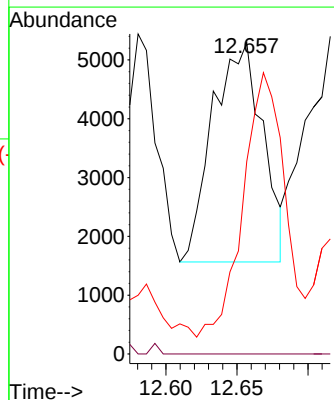
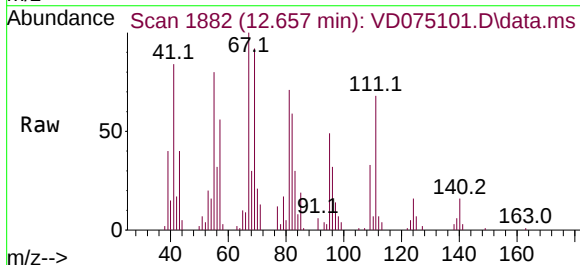
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

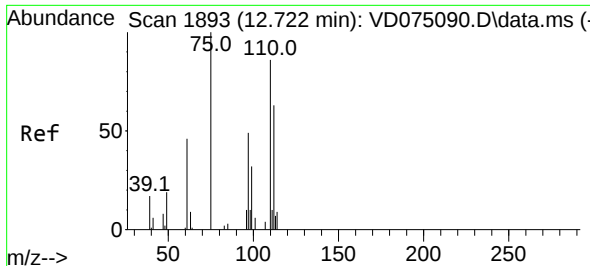
Tgt Ion: 43 Resp: 103265
Ion Ratio Lower Upper
43 100
70 9.7 33.4 50.0#
55 12.0 17.4 26.0#
61 0.0 18.6 27.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 7.909 ug/l
RT: 12.657 min Scan# 1882
Delta R.T. -0.018 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 83 Resp: 9149
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 98.9 32.4 97.2#

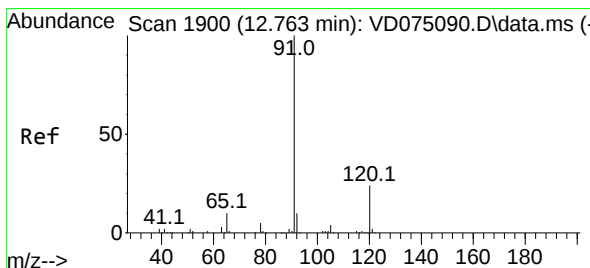
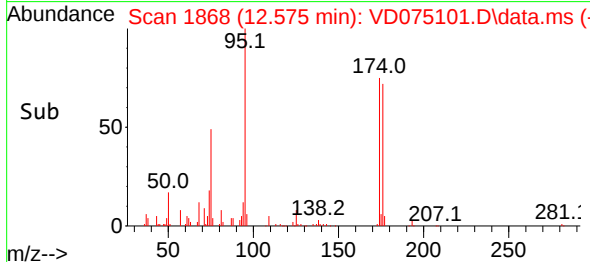
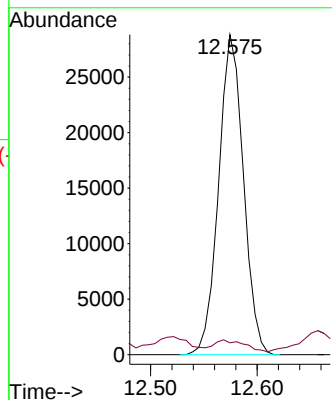
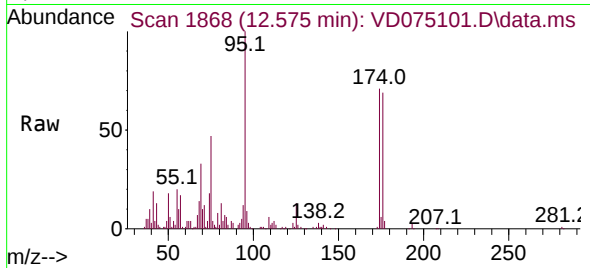




#76
1,2,3-Trichloropropane
Concen: 54.042 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

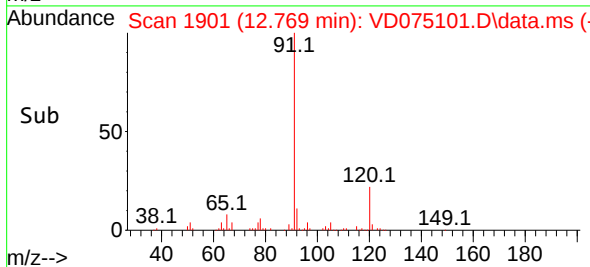
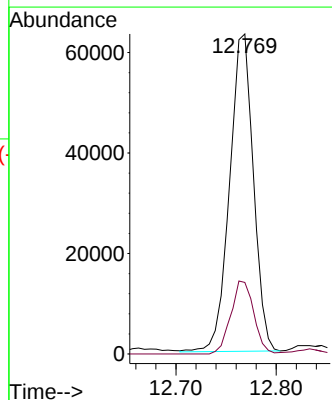
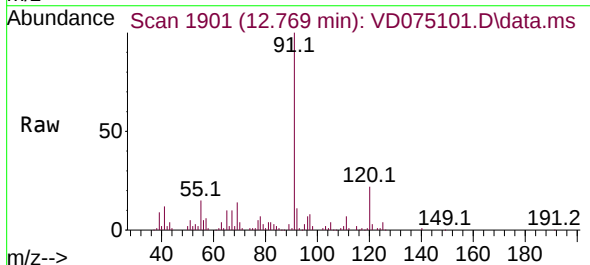
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

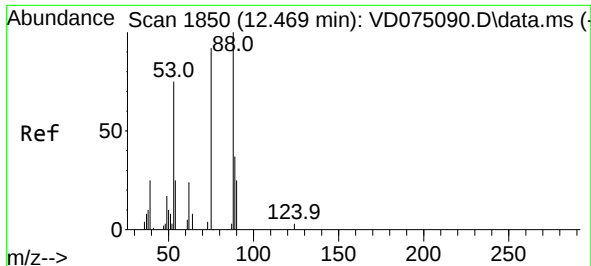
Tgt Ion: 75 Resp: 46553
Ion Ratio Lower Upper
75 100
77 4.4 149.0 447.1#



#78
n-propylbenzene
Concen: 12.862 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 91 Resp: 104124
Ion Ratio Lower Upper
91 100
120 22.3 11.7 35.0

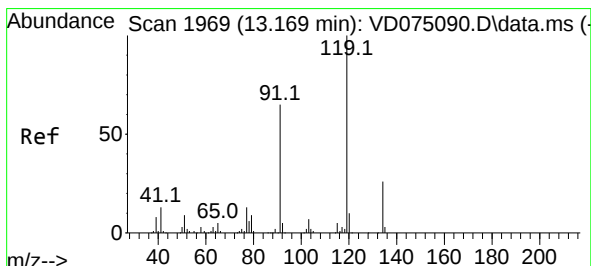
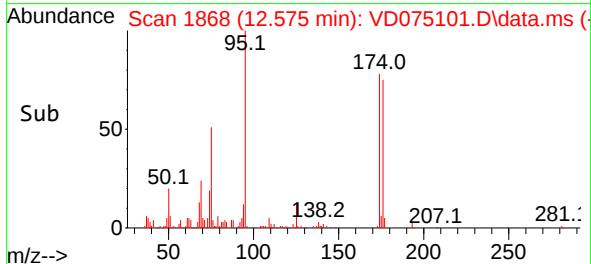
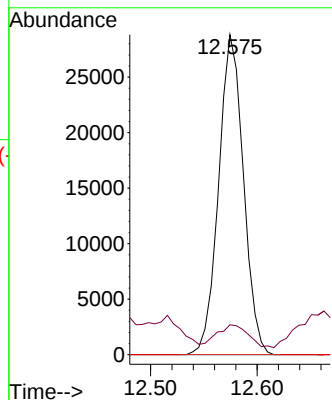
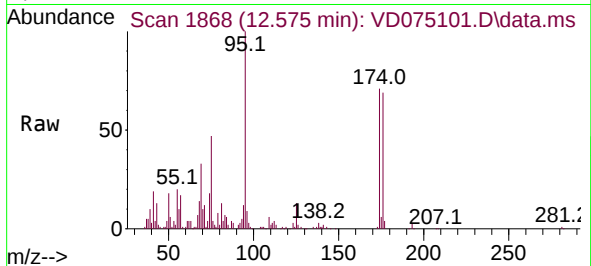




#81
trans-1,4-Dichloro-2-butene
Concen: 143.522 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

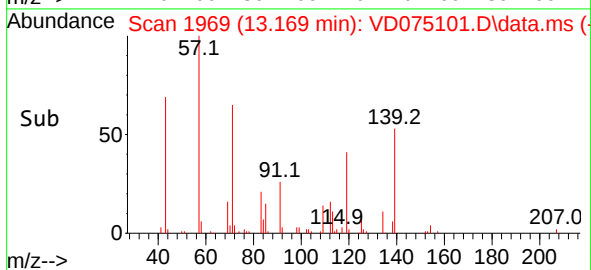
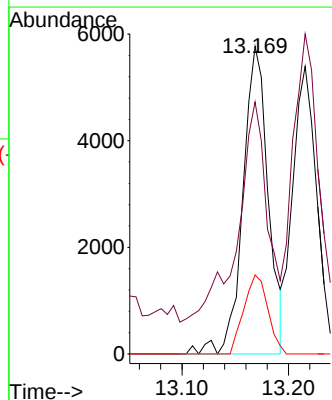
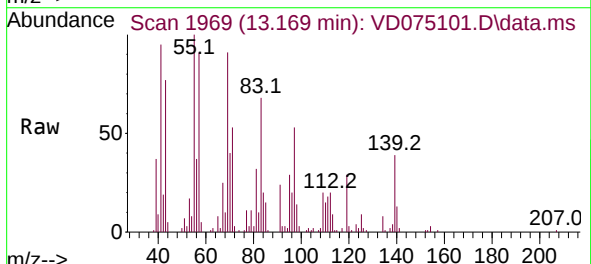
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

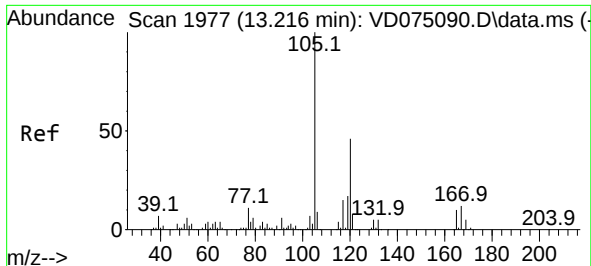
Tgt Ion: 75 Resp: 46553
Ion Ratio Lower Upper
75 100
53 9.0 68.6 103.0#
89 0.0 33.4 50.0#



#83
tert-Butylbenzene
Concen: 1.975 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 119 Resp: 9543
Ion Ratio Lower Upper
119 100
91 79.3 32.6 97.8
134 24.3 13.7 41.1

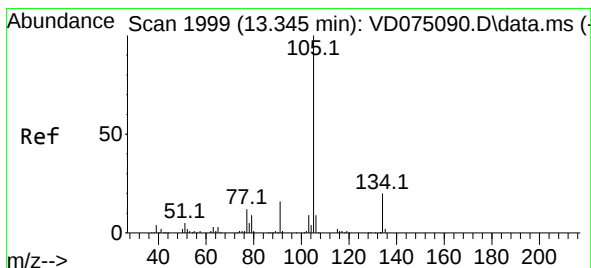
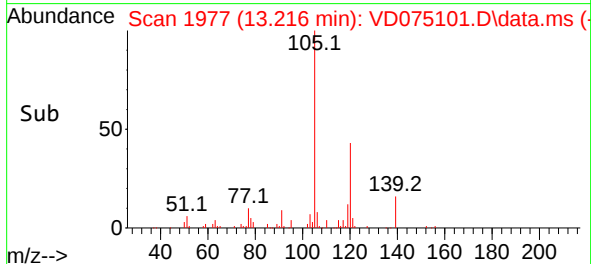
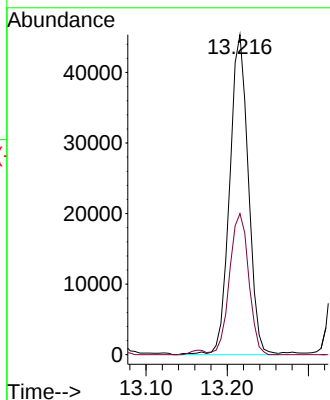
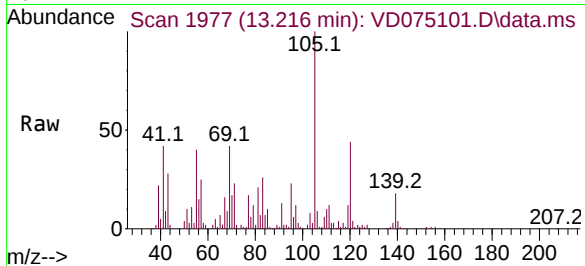




#84
1,2,4-Trimethylbenzene
Concen: 13.635 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

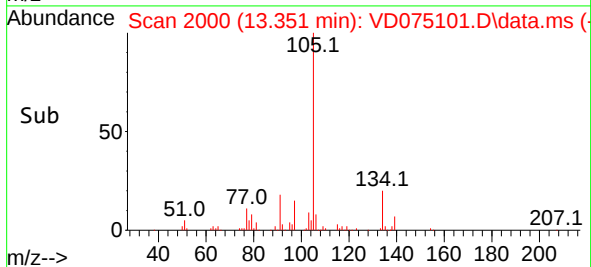
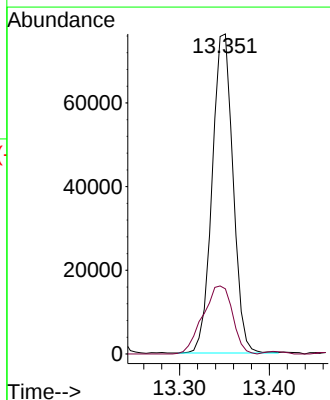
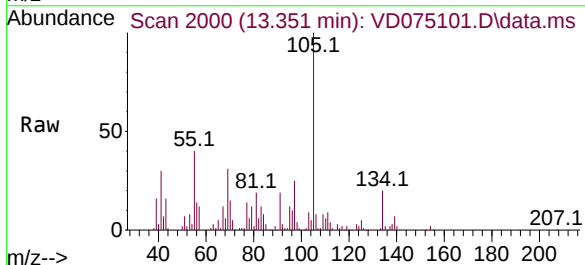
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

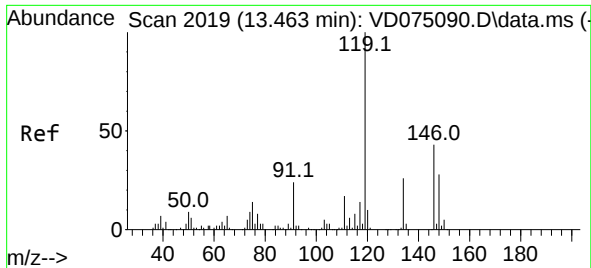
Tgt Ion:105 Resp: 72158
Ion Ratio Lower Upper
105 100
120 45.3 22.8 68.4



#85
sec-Butylbenzene
Concen: 16.809 ug/l
RT: 13.351 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion:105 Resp: 123089
Ion Ratio Lower Upper
105 100
134 30.2 10.1 30.3

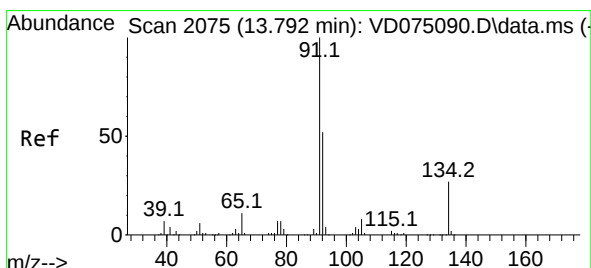
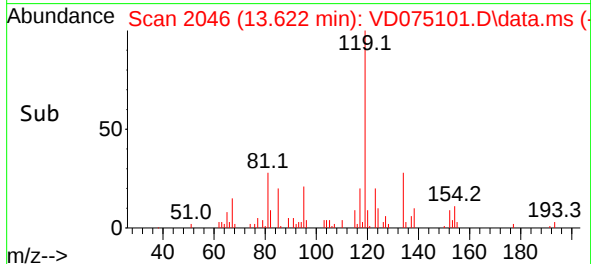
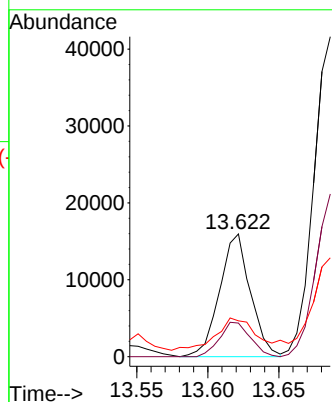
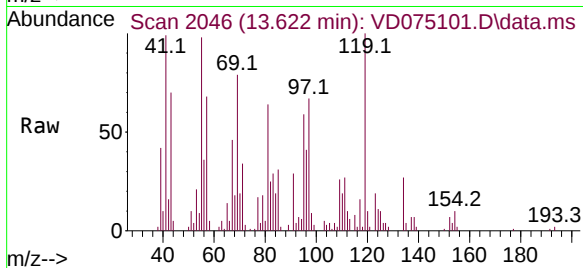




#86
p-Isopropyltoluene
Concen: 4.079 ug/l
RT: 13.622 min Scan# 2046
Delta R.T. 0.159 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

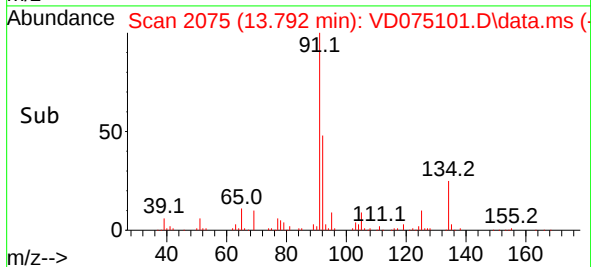
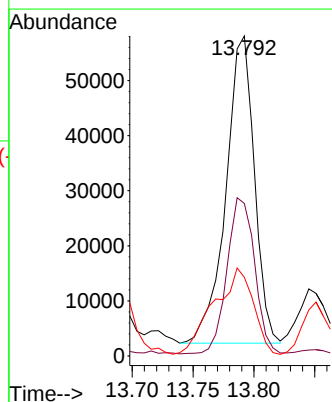
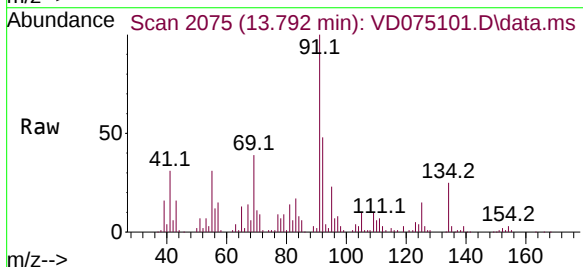
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

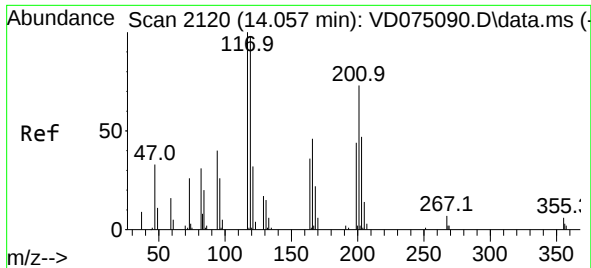
Tgt Ion:119 Resp: 24129
Ion Ratio Lower Upper
119 100
134 27.9 13.1 39.1
91 32.5 11.9 35.5



#89
n-Butylbenzene
Concen: 15.615 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 91 Resp: 90843
Ion Ratio Lower Upper
91 100
92 48.9 26.2 78.5
134 38.6 13.2 39.6

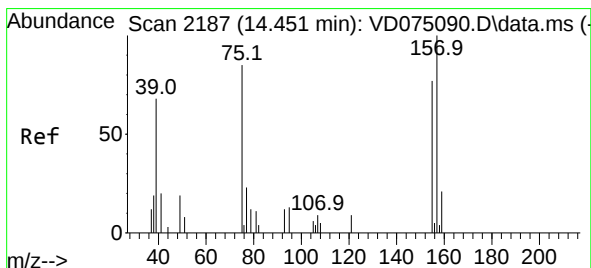
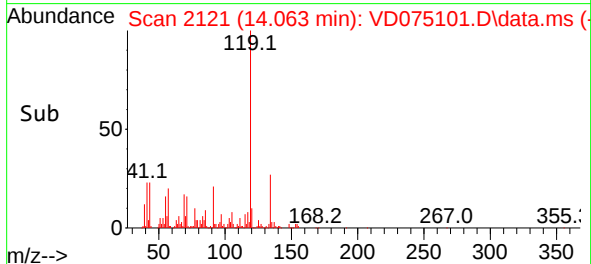
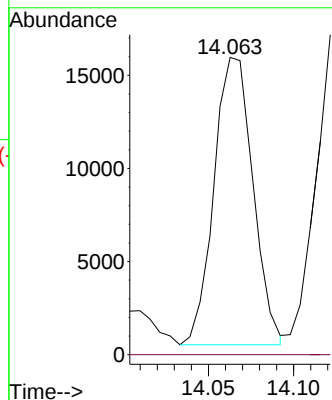
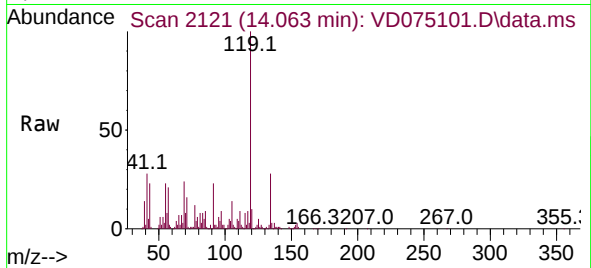




#90
Hexachloroethane
Concen: 23.802 ug/l
RT: 14.063 min Scan# 2120
Delta R.T. 0.006 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

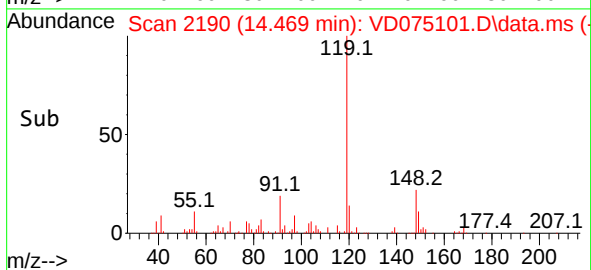
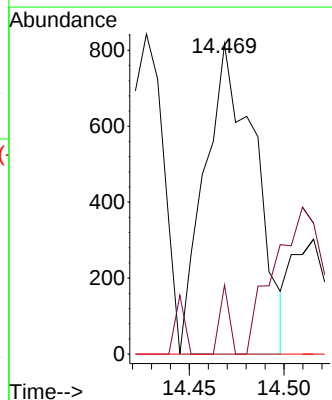
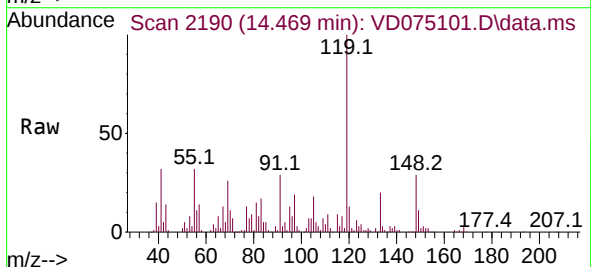
Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

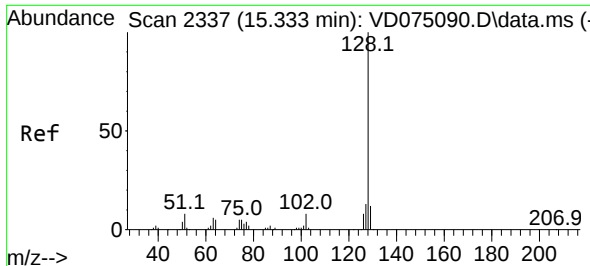
Tgt Ion:117 Resp: 24542
Ion Ratio Lower Upper
117 100
201 0.0 35.5 106.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 8.160 ug/l
RT: 14.469 min Scan# 2190
Delta R.T. 0.017 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion: 75 Resp: 1518
Ion Ratio Lower Upper
75 100
155 0.0 45.4 136.2#
157 0.0 60.1 180.2#

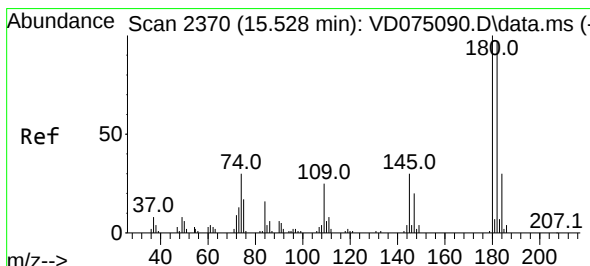
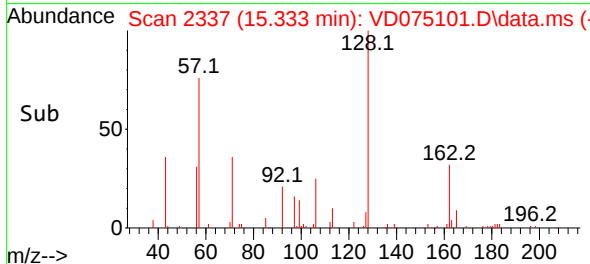
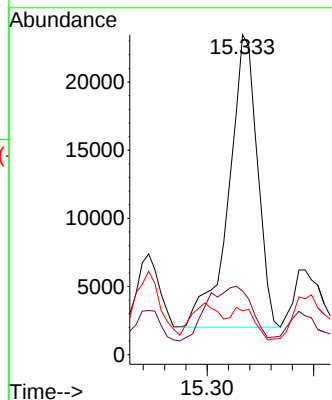
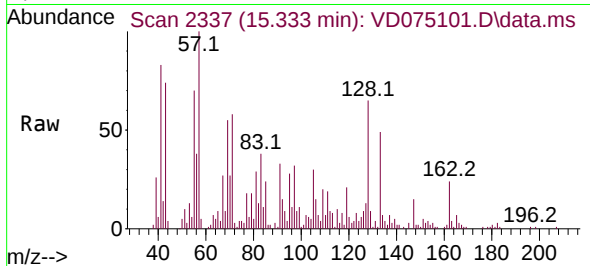




#95
Naphthalene
Concen: 11.956 ug/l
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Instrument :
MSVOA_D
ClientSampleId :
B-1-(40-42)

Tgt Ion:128 Resp: 39977
Ion Ratio Lower Upper
128 100
127 29.3 10.3 15.5#
129 7.3 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 1.469 ug/l
RT: 15.545 min Scan# 2373
Delta R.T. 0.017 min
Lab File: VD075101.D
Acq: 10 Jan 2023 12:38

Tgt Ion:180 Resp: 2160
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 16.0 48.0#

