

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074834.D
 Acq On : 09 Nov 2022 18:00
 Operator : VA/SY
 Sample : N5511-03
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-04-110722

Quant Time: Nov 10 00:37:15 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)

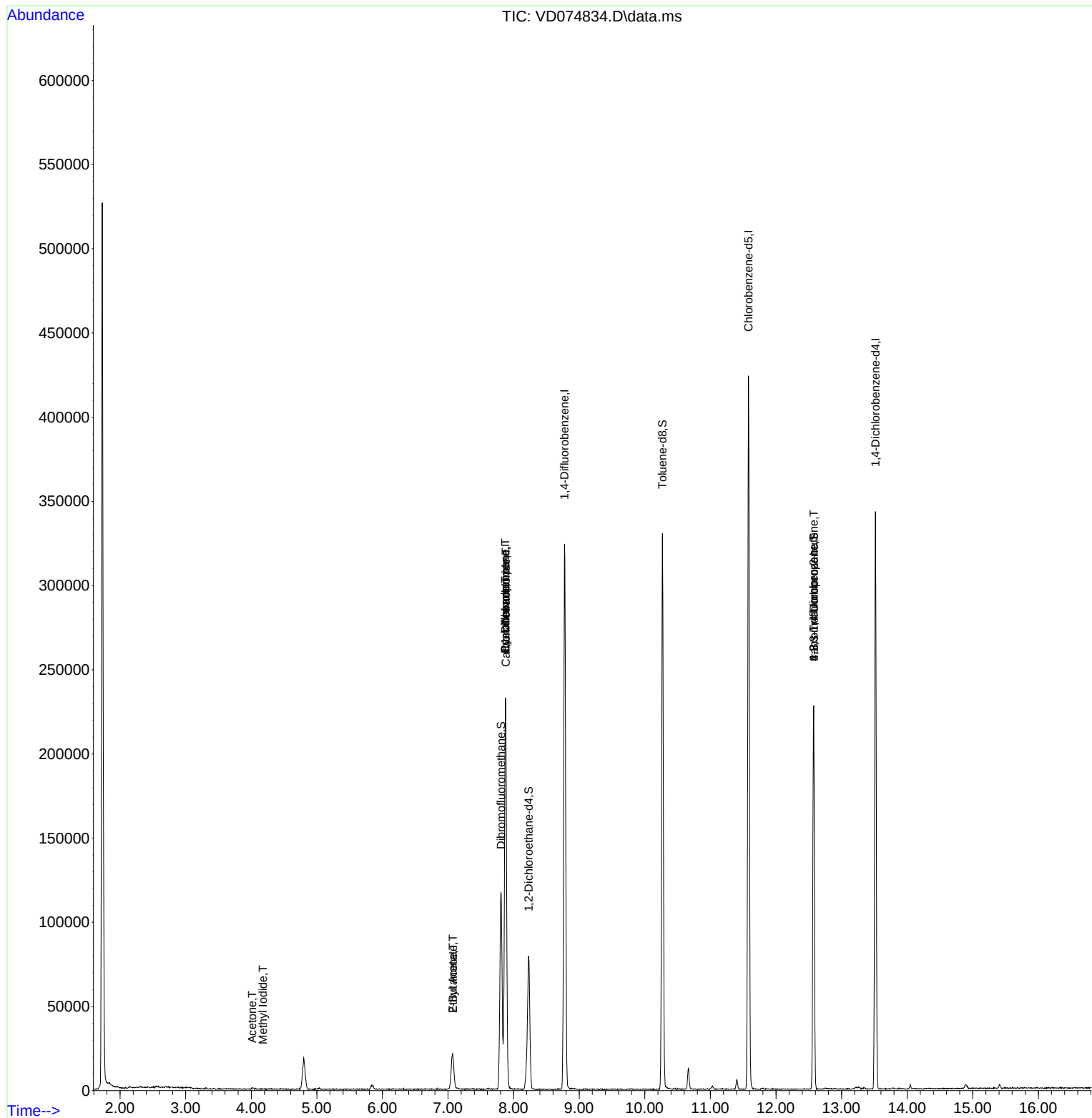
Internal Standards						
1) Pentafluorobenzene	7.875	168	190393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	309528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	264443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	98257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	58852	39.028	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.060%		
35) Dibromofluoromethane	7.810	113	87506	47.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.580%		
50) Toluene-d8	10.269	98	239454	35.852	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	71.700%		
62) 4-Bromofluorobenzene	12.575	95	69492	36.036	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.080%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.175	142	276	5.650	ug/l #	43
11) Tert butyl alcohol	5.058	59	135	Below Cal	#	84
16) Acetone	4.017	43	1095	3.480	ug/l	97
20) Methylene Chloride	4.799	84	15149	Below Cal		98
25) 2-Butanone	7.075	43	928	2.145	ug/l #	42
31) Cyclohexane	7.875	56	3650	1.196	ug/l #	18
36) 1,1-Dichloropropene	7.875	75	13395	4.820	ug/l #	47
37) Ethyl Acetate	7.075	43	928	1.001	ug/l #	1
38) Carbon Tetrachloride	7.881	117	17792	6.757	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	33975	44.605	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	33975	105.880	ug/l #	17

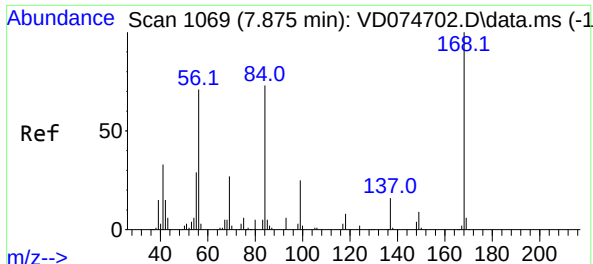
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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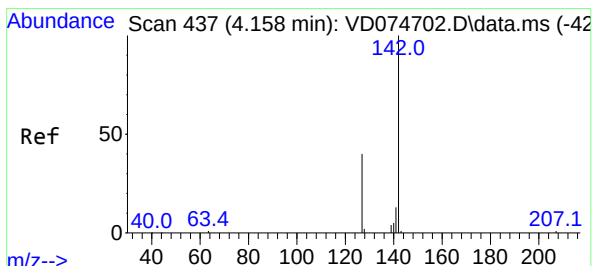
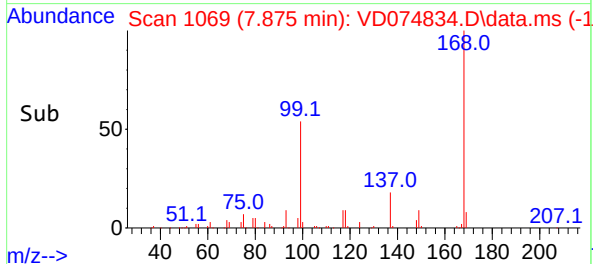
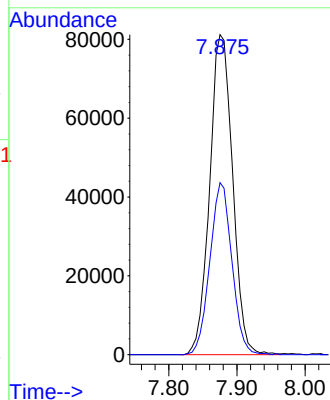
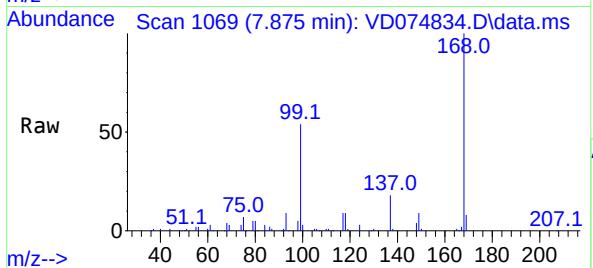




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

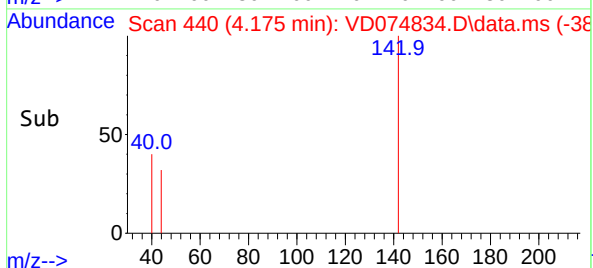
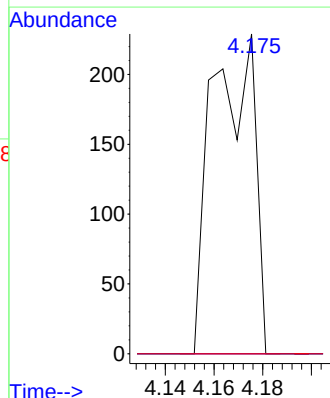
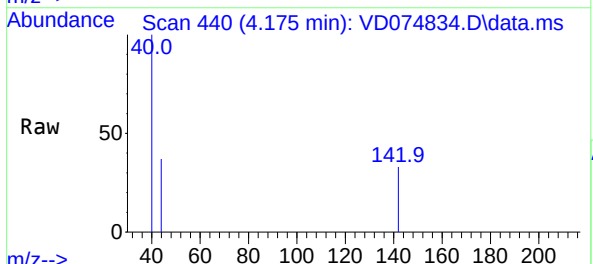
Instrument :
MSVOA_D
ClientSampleId :
PL-04-110722

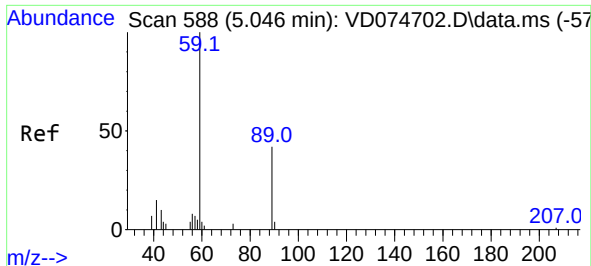
Tgt Ion:168 Resp: 190393
Ion Ratio Lower Upper
168 100
99 53.7 40.9 61.3



#10
Methyl Iodide
Concen: 5.650 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.017 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Tgt Ion:142 Resp: 276
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 59

Delta R.T. 0.012 min

Lab File: VD074834.D

Acq: 09 Nov 2022 18:00

Instrument :

MSVOA_D

ClientSampleId :

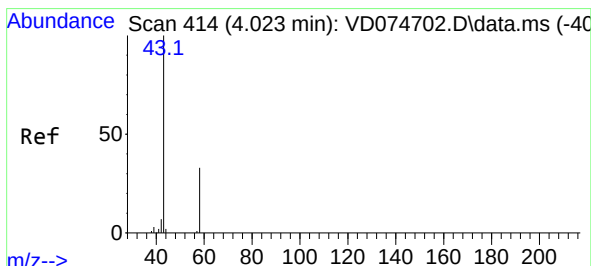
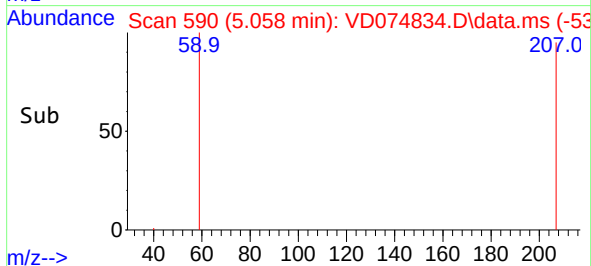
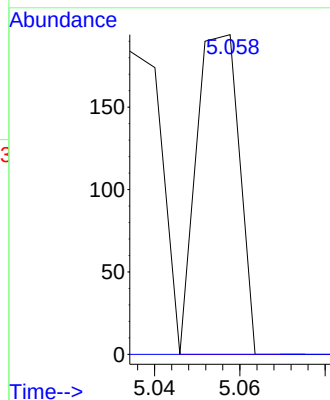
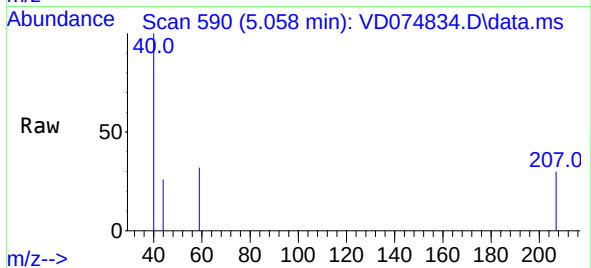
PL-04-110722

Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 3.480 ug/l

RT: 4.017 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD074834.D

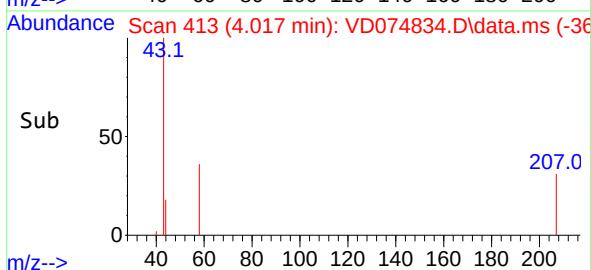
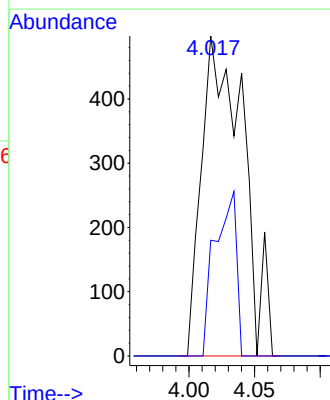
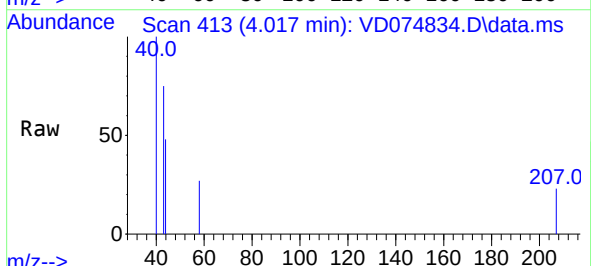
Acq: 09 Nov 2022 18:00

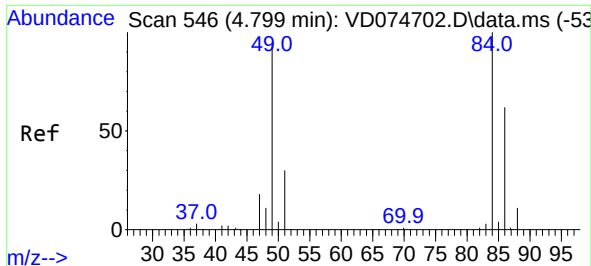
Tgt Ion: 43 Resp: 1095

Ion Ratio Lower Upper

43 100

58 36.1 30.2 45.2



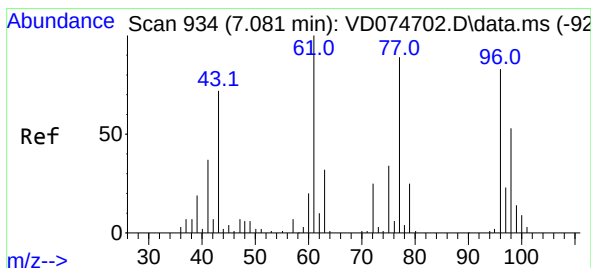
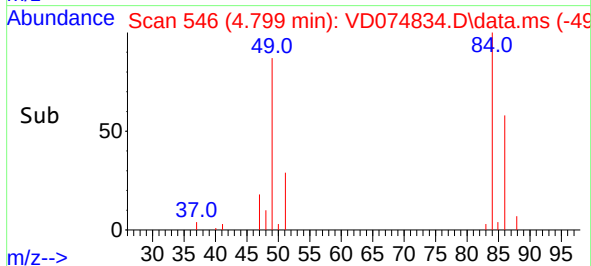
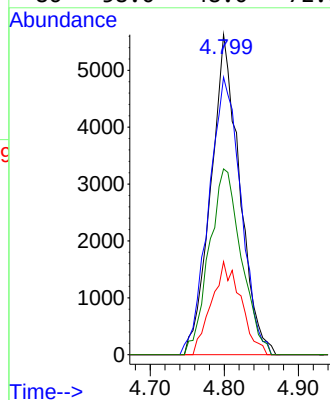
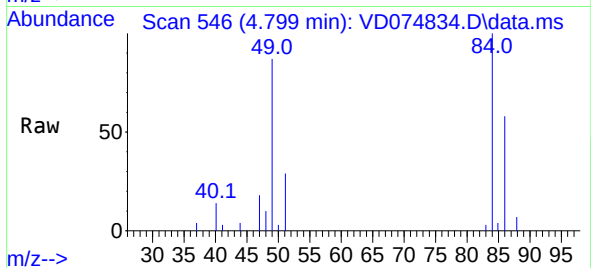


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Instrument :
MSVOA_D
ClientSampleId :
PL-04-110722

Tgt Ion: 84 Resp: 15149

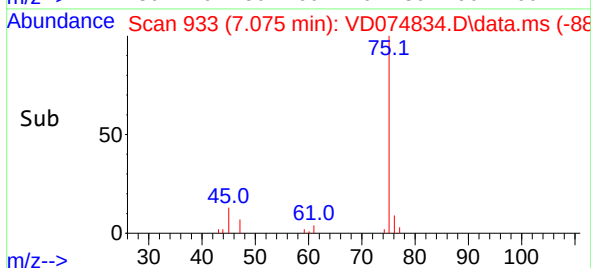
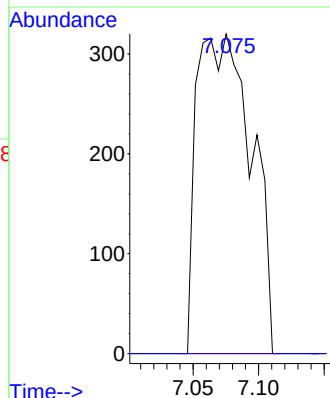
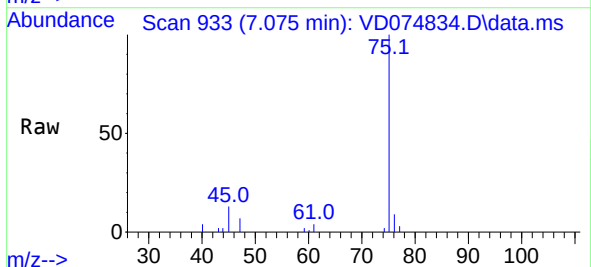
Ion	Ratio	Lower	Upper
84	100		
49	86.7	68.0	102.0
51	29.1	23.2	34.8
86	58.0	48.0	72.0

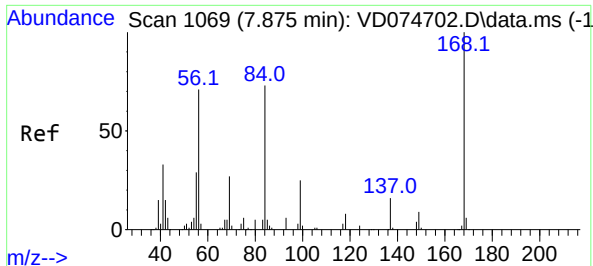


#25
2-Butanone
Concen: 2.145 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Tgt Ion: 43 Resp: 928

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

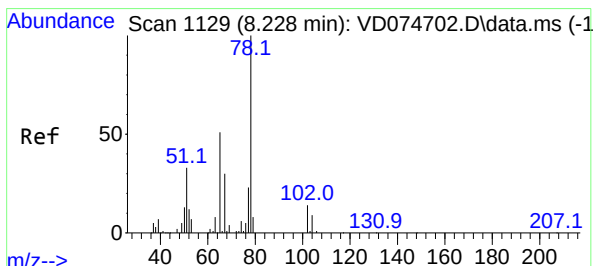
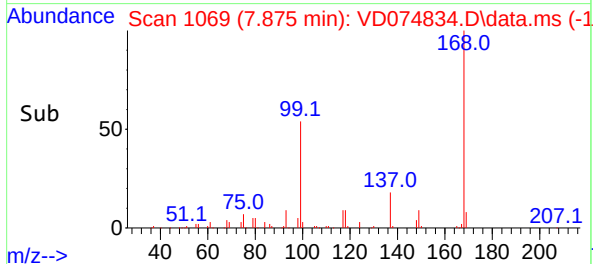
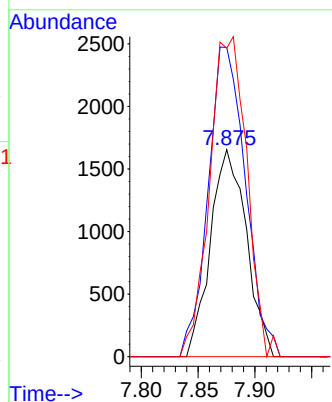
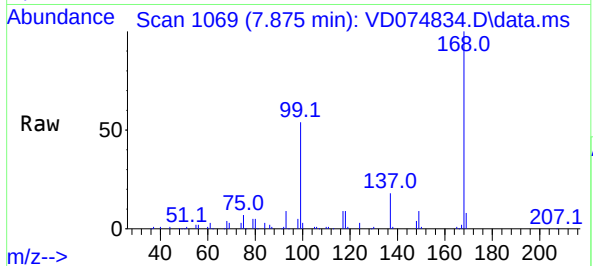




#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

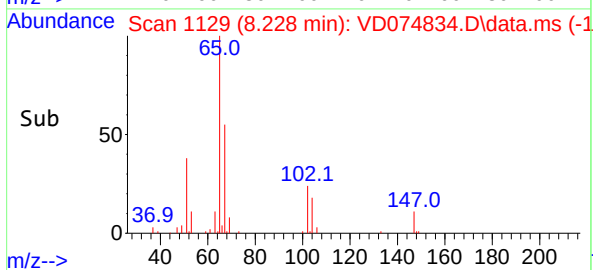
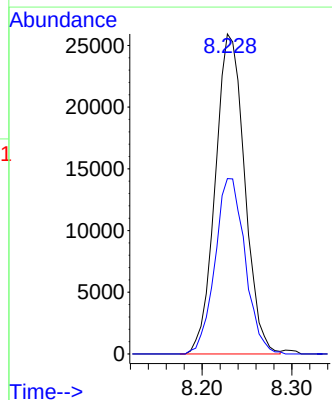
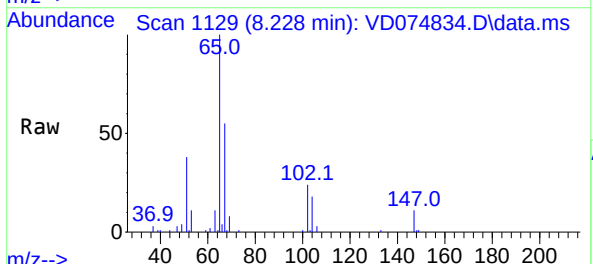
Instrument :
MSVOA_D
ClientSampleId :
PL-04-110722

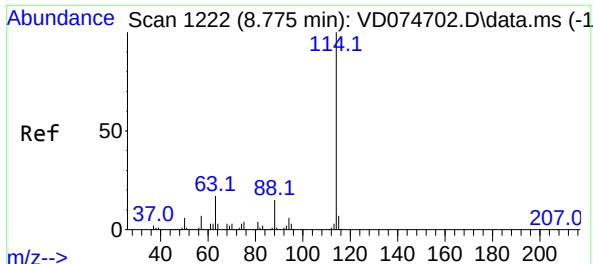
Tgt Ion: 56 Resp: 3650
Ion Ratio Lower Upper
56 100
69 149.4 29.2 43.8#
84 149.0 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 39.028 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Tgt Ion: 65 Resp: 58852
Ion Ratio Lower Upper
65 100
67 56.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD074834.D

Acq: 09 Nov 2022 18:00

Instrument :

MSVOA_D

ClientSampleId :

PL-04-110722

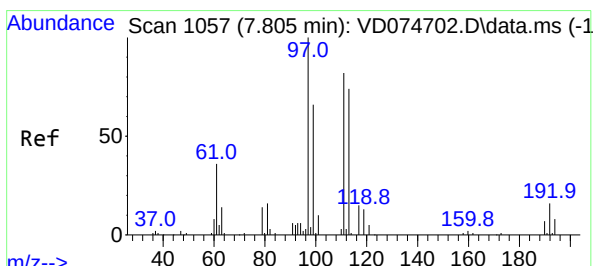
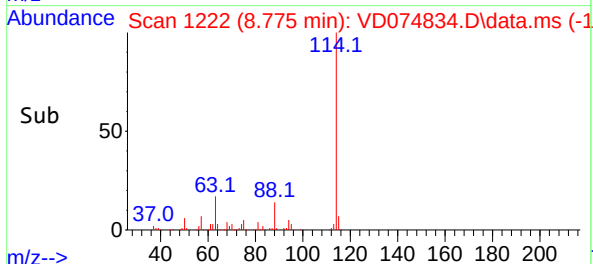
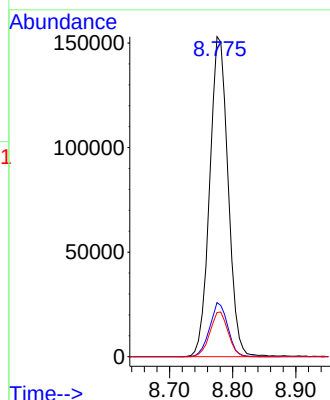
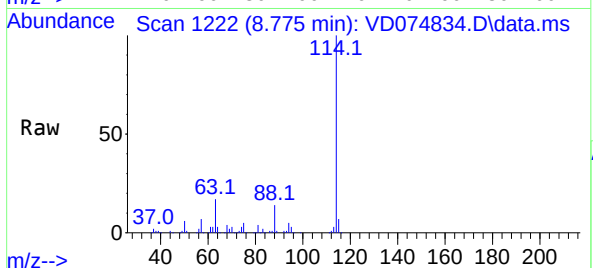
Tgt Ion:114 Resp: 309528

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.2

88 13.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 47.792 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074834.D

Acq: 09 Nov 2022 18:00

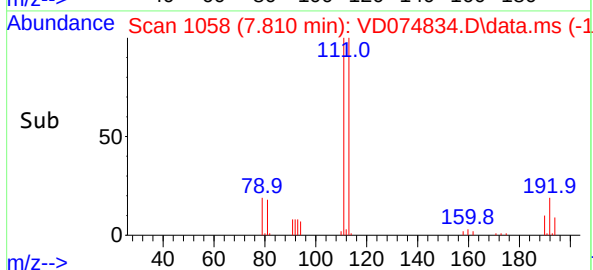
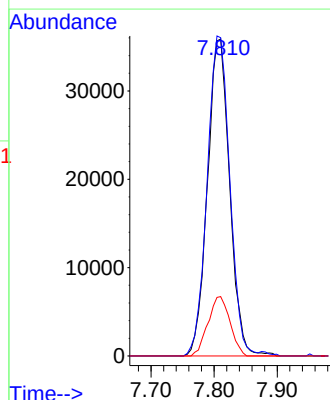
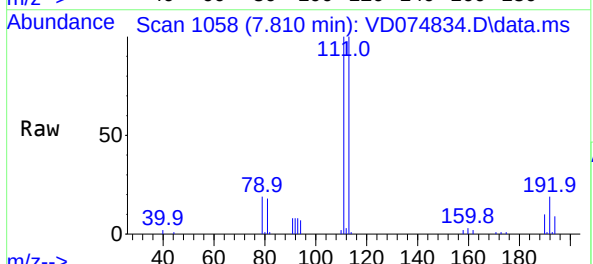
Tgt Ion:113 Resp: 87506

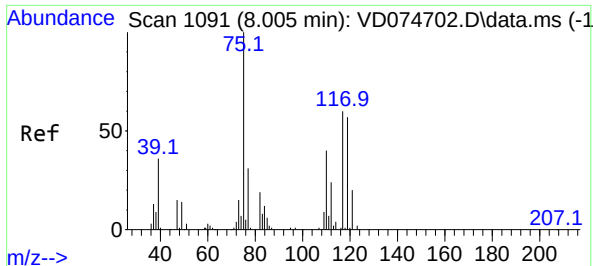
Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

192 18.6 16.4 24.6

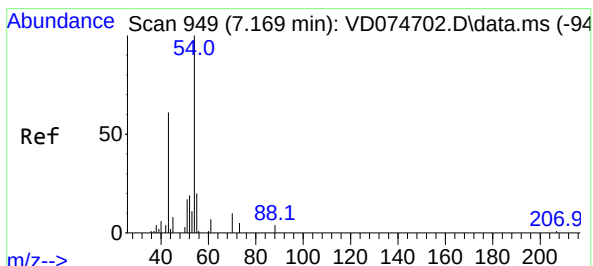
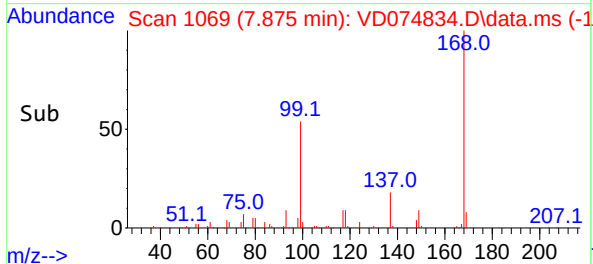
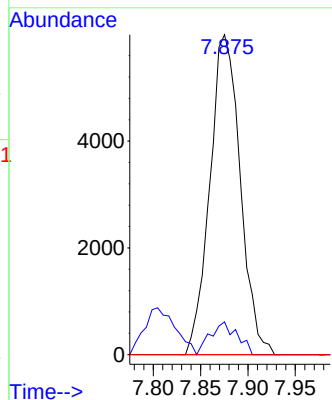
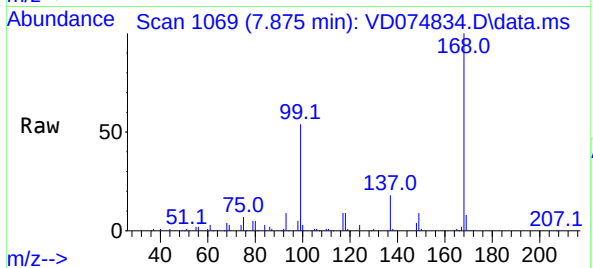




#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 7.875 min Scan# 1091
Delta R.T. -0.130 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

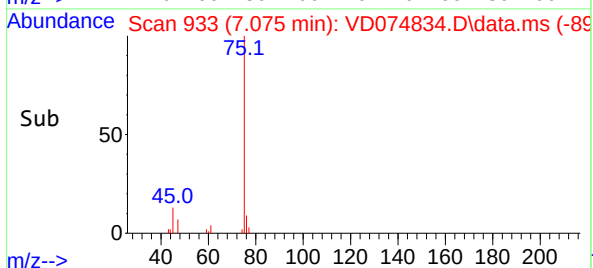
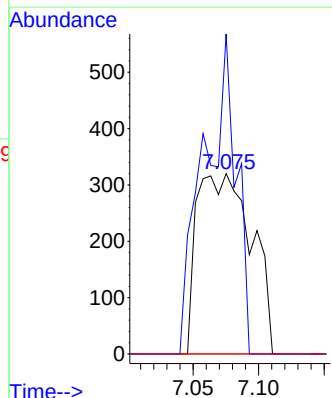
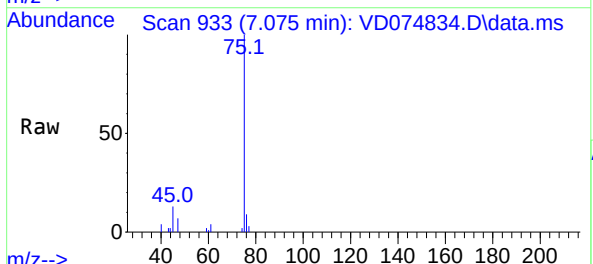
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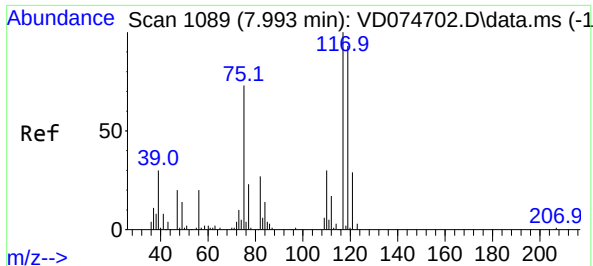
Tgt Ion: 75 Resp: 13395
Ion Ratio Lower Upper
75 100
110 9.0 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 1.001 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.094 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
61 104.8 12.2 18.4#
70 0.0 9.6 14.4#

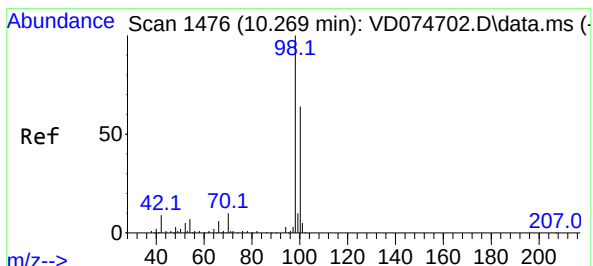
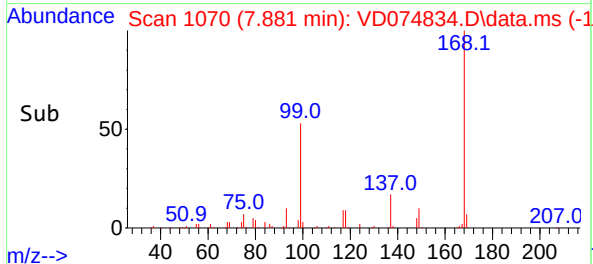
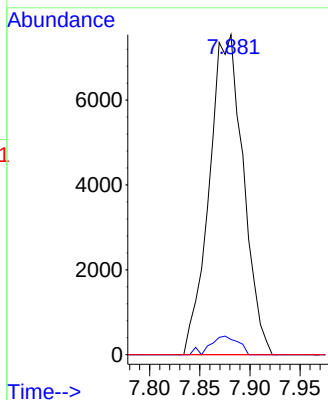
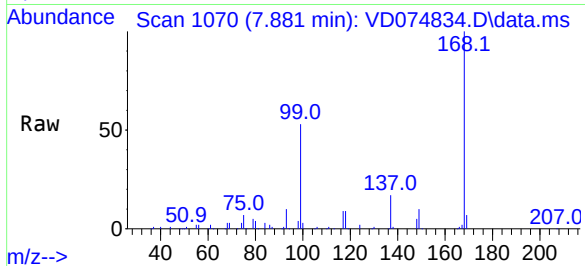




#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 7.881 min Scan# 117
Delta R.T. -0.112 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

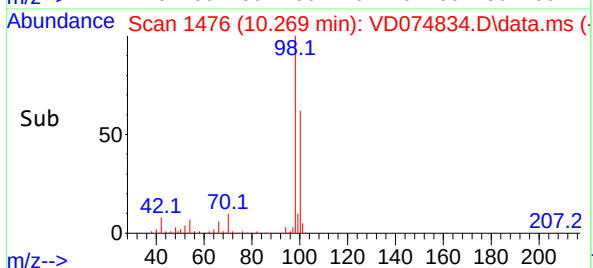
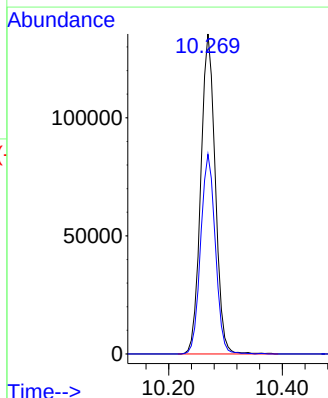
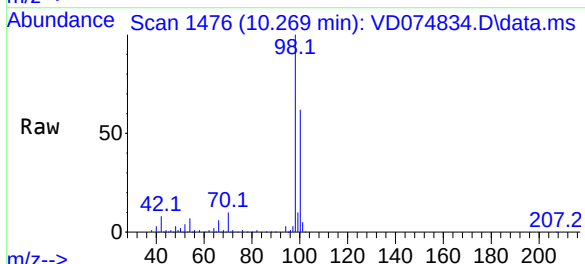
Instrument :
MSVOA_D
ClientSampleId :
PL-04-110722

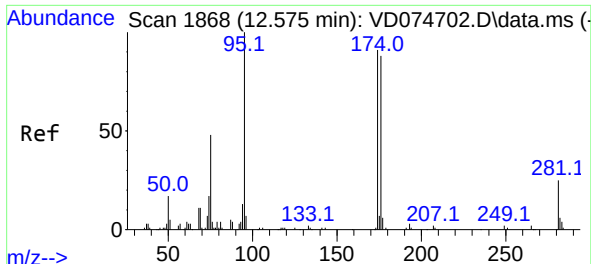
Tgt Ion:117 Resp: 17792
Ion Ratio Lower Upper
117 100
119 4.8 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 35.852 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Tgt Ion: 98 Resp: 239454
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.0

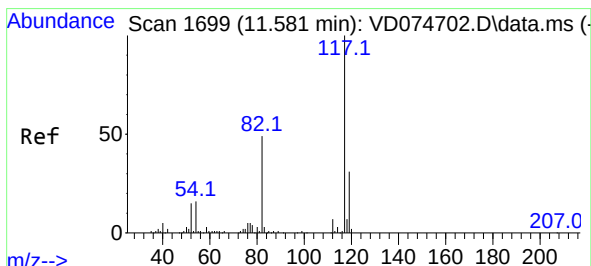
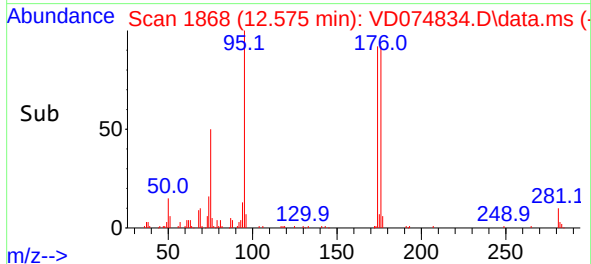
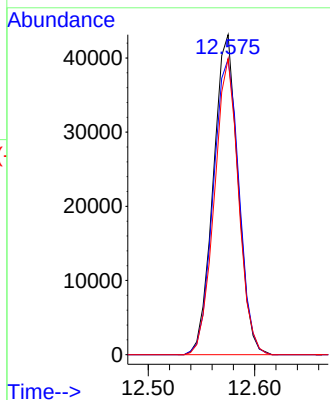
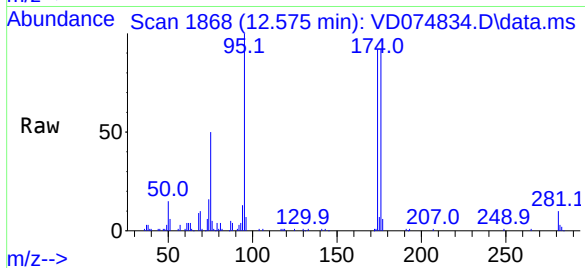




#62
4-Bromofluorobenzene
Concen: 36.036 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

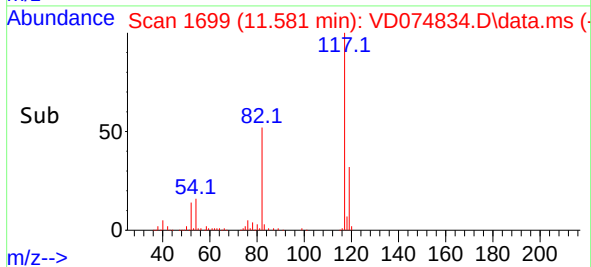
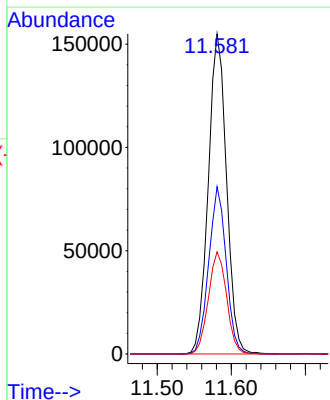
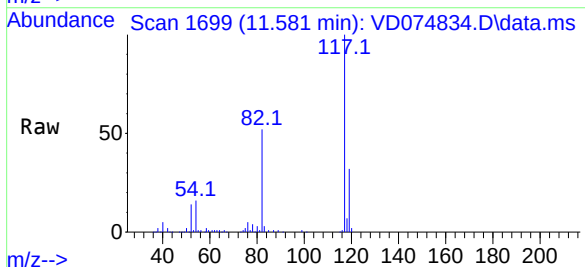
Instrument :
MSVOA_D
ClientSampleId :
PL-04-110722

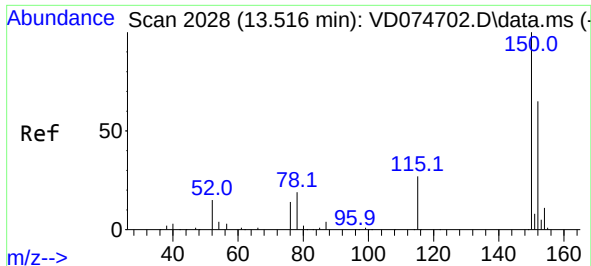
Tgt Ion: 95 Resp: 69492
Ion Ratio Lower Upper
95 100
174 96.2 0.0 197.0
176 90.3 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Tgt Ion: 117 Resp: 264443
Ion Ratio Lower Upper
117 100
82 52.2 41.6 62.4
119 31.9 25.2 37.8

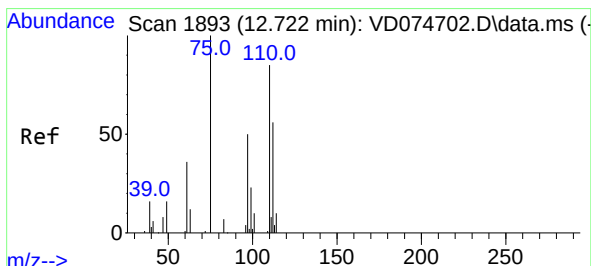
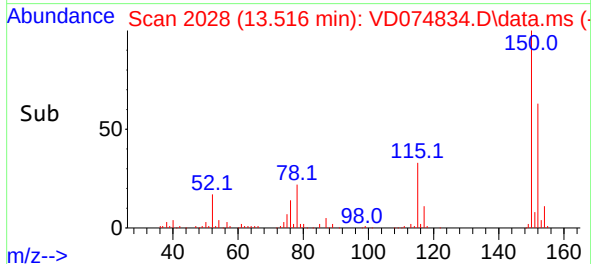
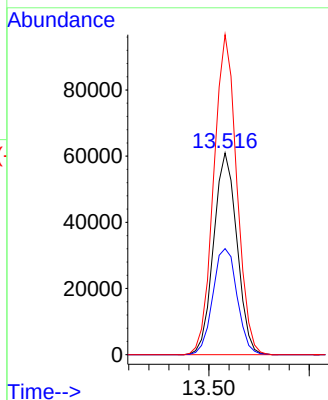
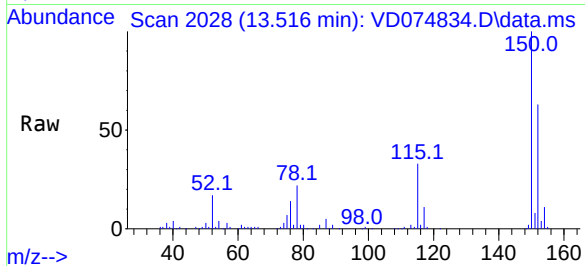




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD074834.D
 Acq: 09 Nov 2022 18:00

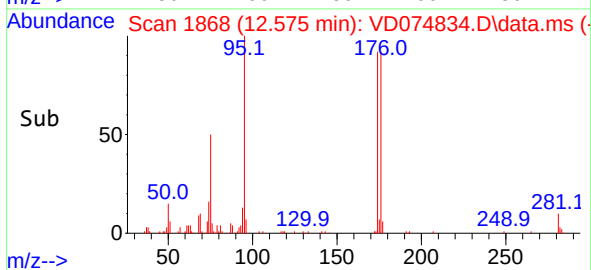
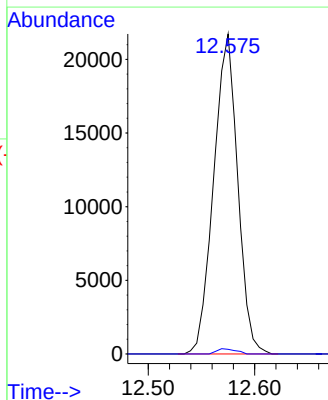
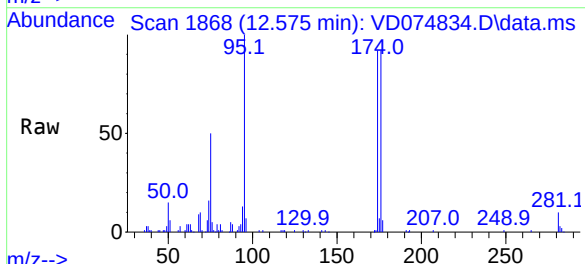
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-04-110722

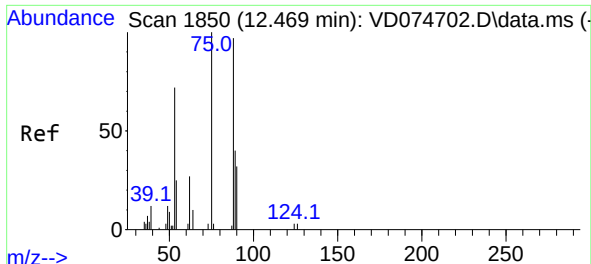
Tgt Ion:152 Resp: 98257
 Ion Ratio Lower Upper
 152 100
 115 55.0 26.8 80.4
 150 157.0 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 44.605 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD074834.D
 Acq: 09 Nov 2022 18:00

Tgt Ion: 75 Resp: 33975
 Ion Ratio Lower Upper
 75 100
 77 1.3 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.880 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074834.D
Acq: 09 Nov 2022 18:00

Instrument :
MSVOA_D
ClientSampleId :
PL-04-110722

Tgt Ion: 75 Resp: 33975
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

