

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073934.D
 Acq On : 02 Aug 2022 19:00
 Operator : VA/SY
 Sample : N3979-01
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-06-072922

Quant Time: Aug 03 04:15:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

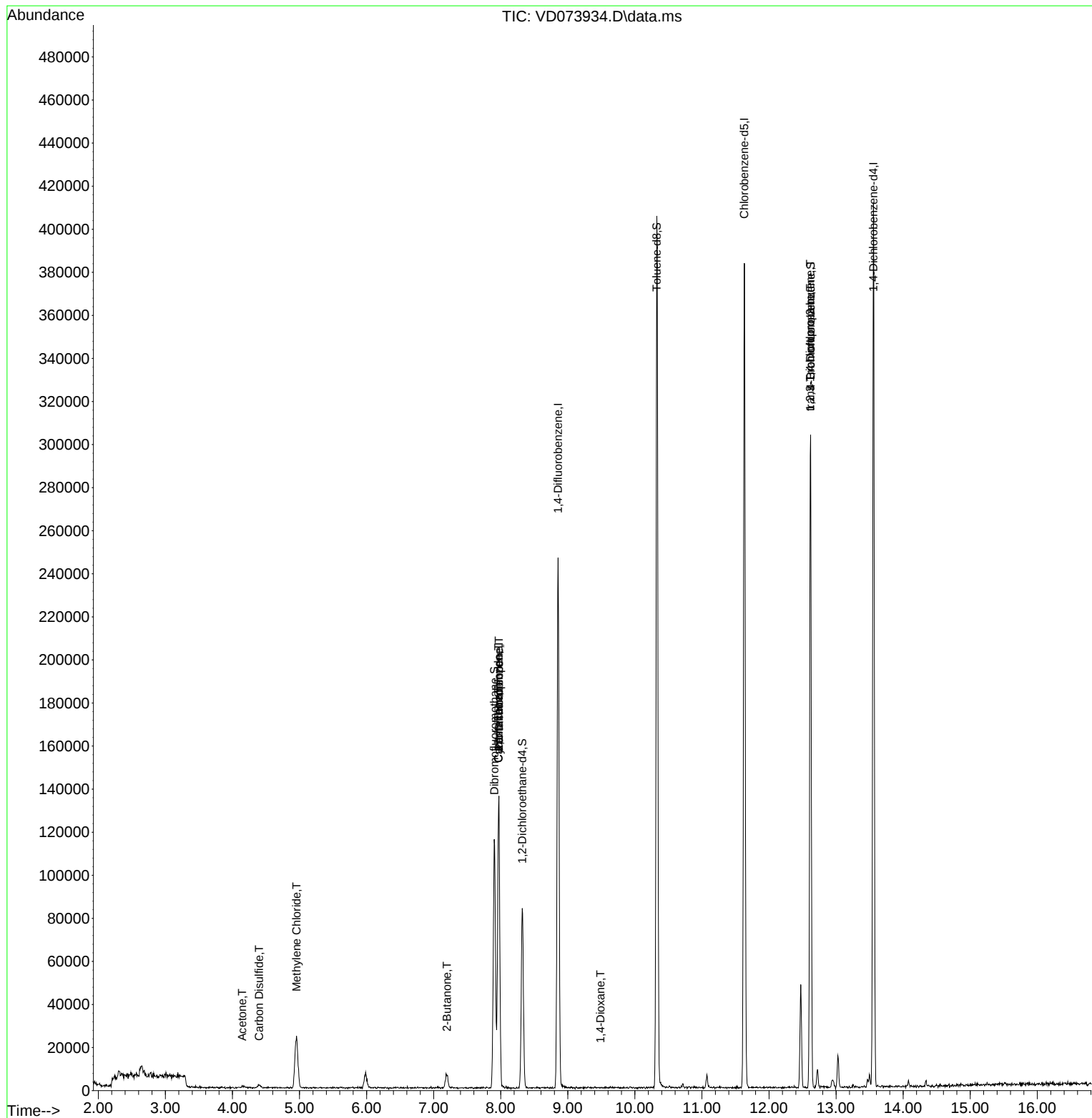
Internal Standards						
1) Pentafluorobenzene	7.973	168	96752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	213605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	218245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	103509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	67986	89.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 178.020%#			
35) Dibromofluoromethane	7.903	113	79605	59.981	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.960%			
50) Toluene-d8	10.326	98	268719	60.109	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 120.220%			
62) 4-Bromofluorobenzene	12.620	95	95892	58.329	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.660%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.215	59	54	Below Cal	#	75
16) Acetone	4.144	43	919	14.115	ug/l #	46
17) Carbon Disulfide	4.397	76	2835	2.808	ug/l #	75
18) Methyl Acetate	4.979	43	74	Below Cal	#	48
20) Methylene Chloride	4.956	84	18349	5.249	ug/l	90
25) 2-Butanone	7.197	43	507	2.147	ug/l #	46
31) Cyclohexane	7.967	56	2580	1.722	ug/l #	63
36) 1,1-Dichloropropene	7.973	75	7878	4.168	ug/l #	50
38) Carbon Tetrachloride	7.967	117	10263	4.847	ug/l #	15
49) 1,4-Dioxane	9.485	88	55	6.501	ug/l #	26
76) 1,2,3-Trichloropropane	12.614	75	54561	71.154	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	54561	151.227	ug/l #	13

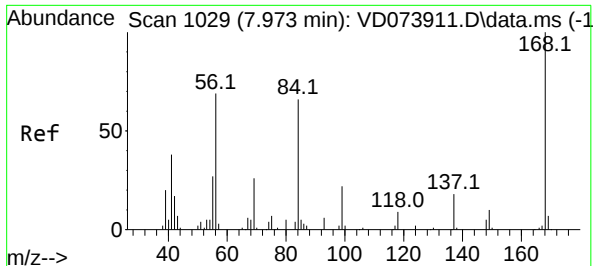
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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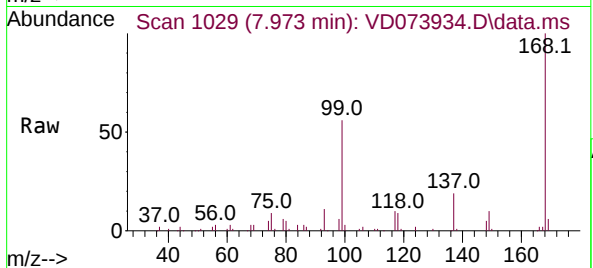
Quant Time: Aug 03 04:15:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 02 05:13:57 2022
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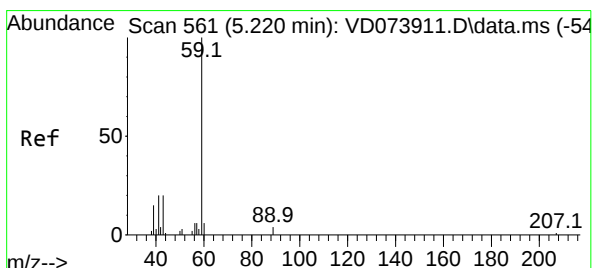
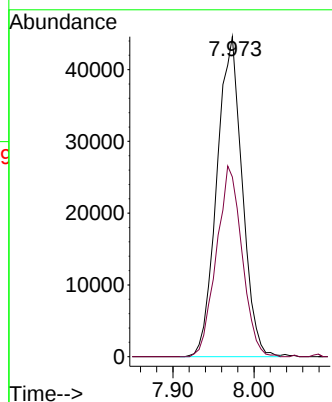
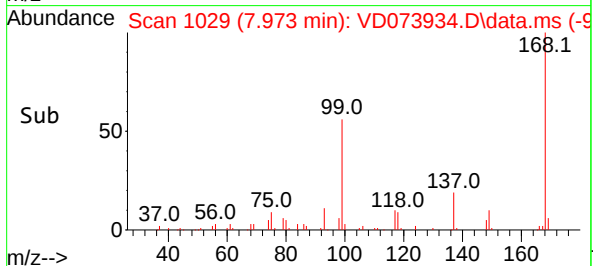


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

Instrument :
MSVOA_D
ClientSampleId :
TR-06-072922

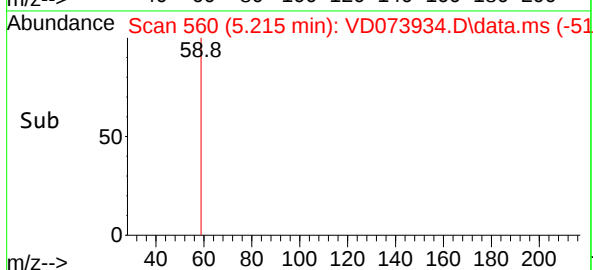
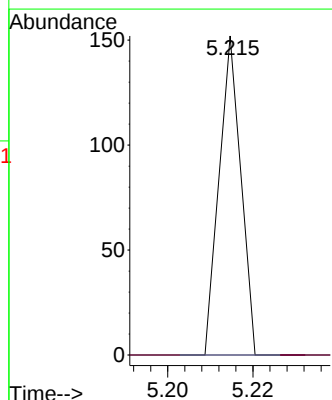
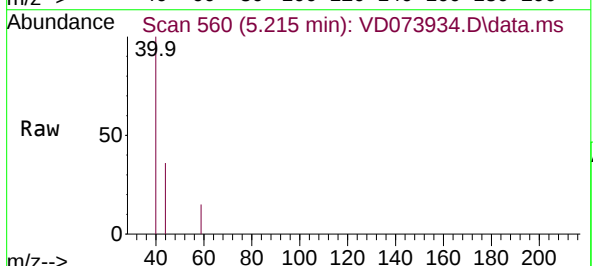


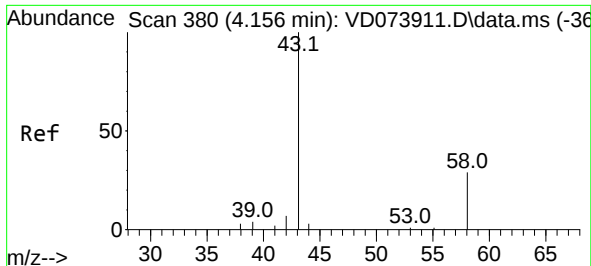
Tgt Ion:168 Resp: 96752
Ion Ratio Lower Upper
168 100
99 56.2 52.2 78.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.005 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 14.115 ug/l

RT: 4.144 min Scan# 31

Delta R.T. -0.012 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

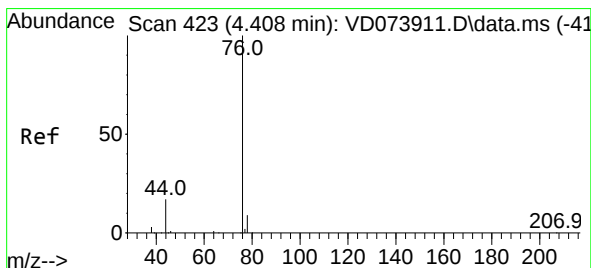
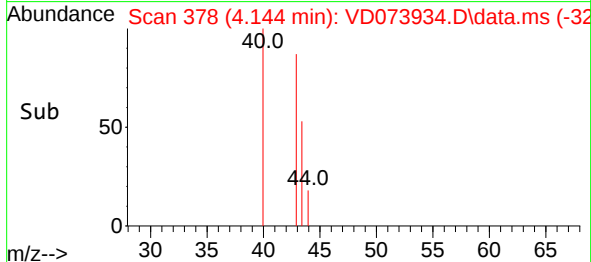
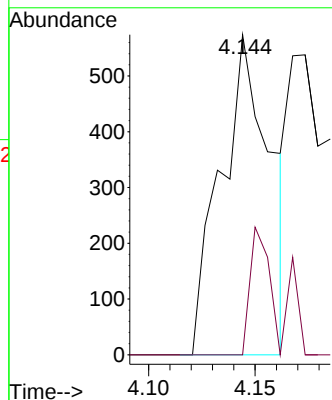
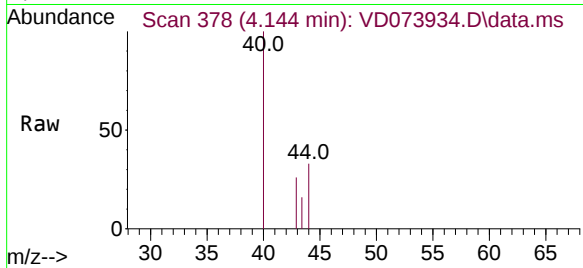
TR-06-072922

Tgt Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#17

Carbon Disulfide

Concen: 2.808 ug/l

RT: 4.397 min Scan# 421

Delta R.T. -0.011 min

Lab File: VD073934.D

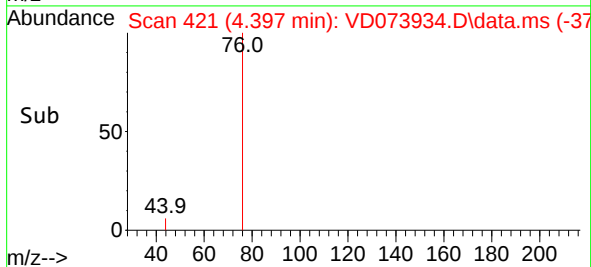
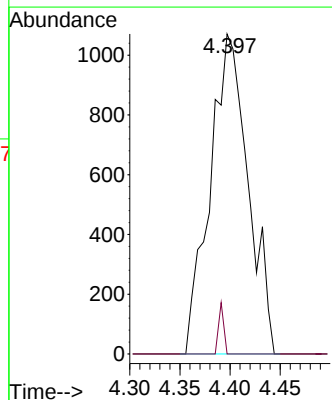
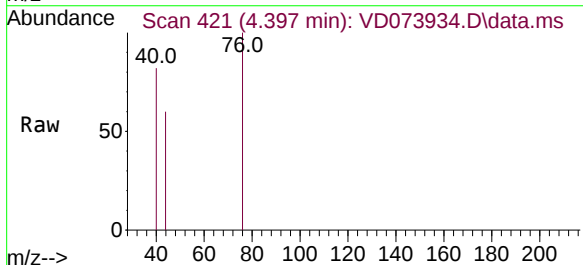
Acq: 02 Aug 2022 19:00

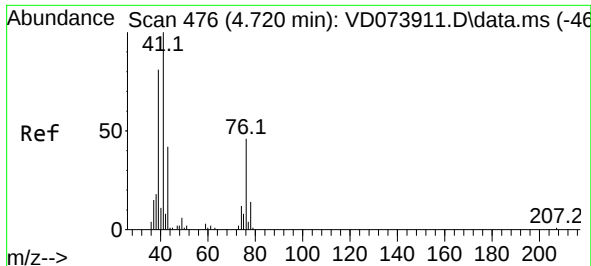
Tgt Ion: 76 Resp: 2835

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.979 min Scan# 516

Delta R.T. 0.259 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

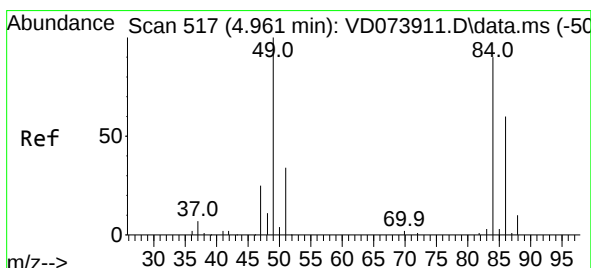
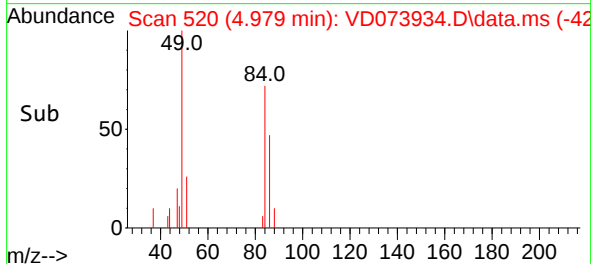
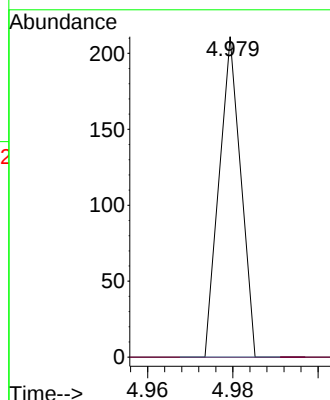
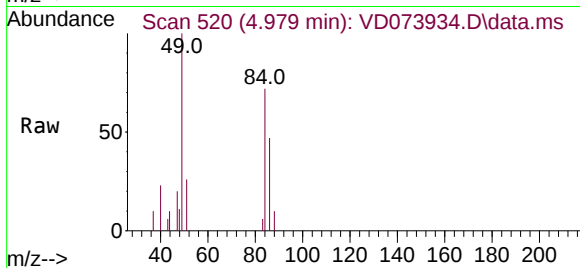
TR-06-072922

Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

74 0.0 21.2 31.8#



#20

Methylene Chloride

Concen: 5.249 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.005 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

Tgt Ion: 84 Resp: 18349

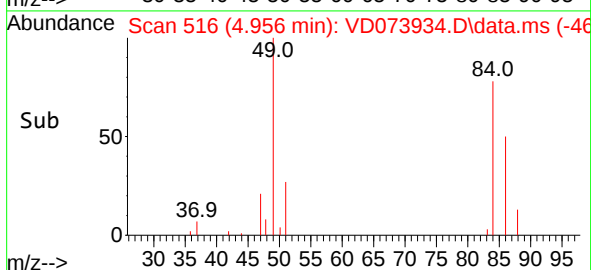
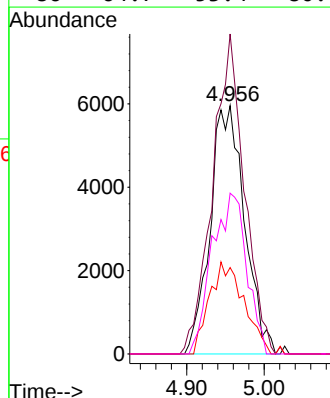
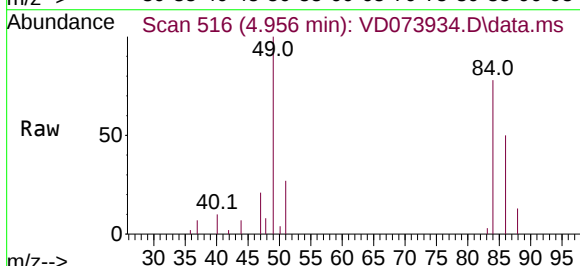
Ion Ratio Lower Upper

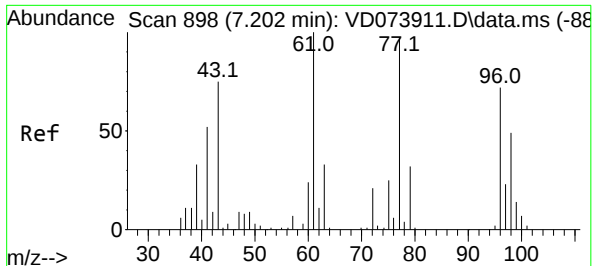
84 100

49 128.8 89.1 133.7

51 34.8 29.8 44.8

86 64.7 53.4 80.0





#25

2-Butanone

Concen: 2.147 ug/l

RT: 7.197 min Scan# 89

Delta R.T. -0.006 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

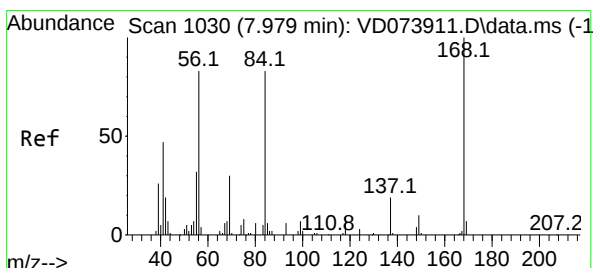
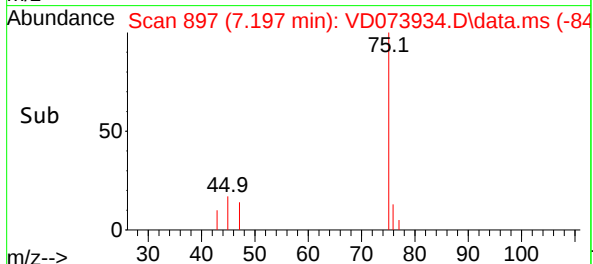
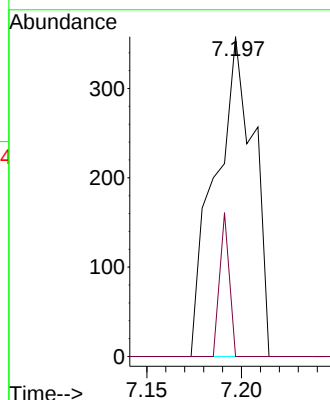
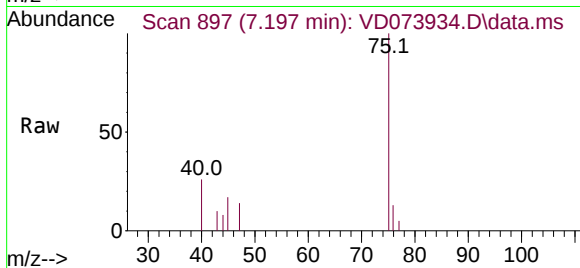
TR-06-072922

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#



#31

Cyclohexane

Concen: 1.722 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.011 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

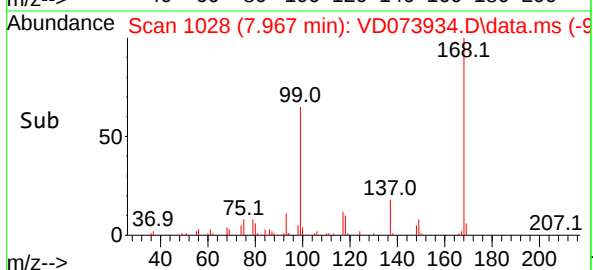
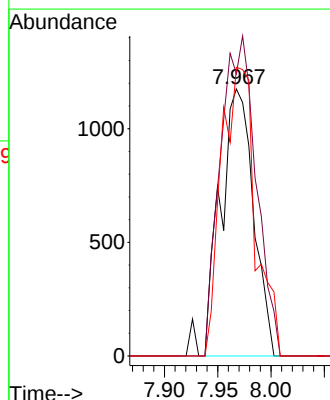
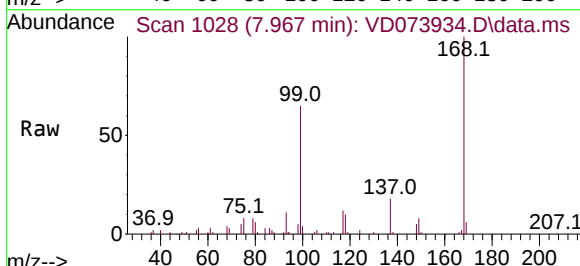
Tgt Ion: 56 Resp: 2580

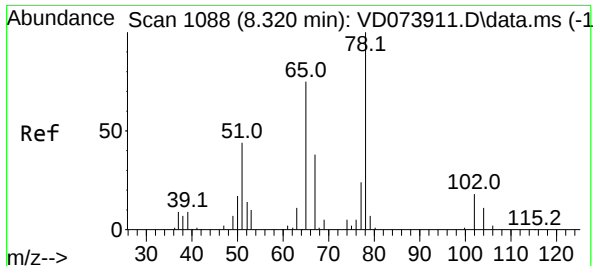
Ion Ratio Lower Upper

56 100

69 105.6 29.2 43.8#

84 108.1 80.0 120.0





#33

1,2-Dichloroethane-d4

Concen: 89.006 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

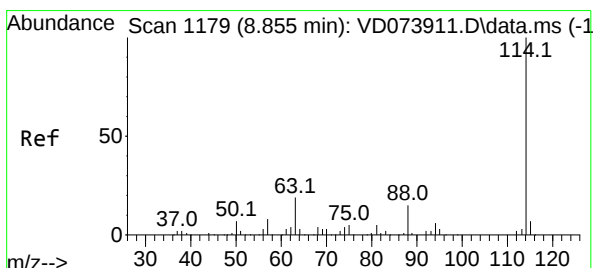
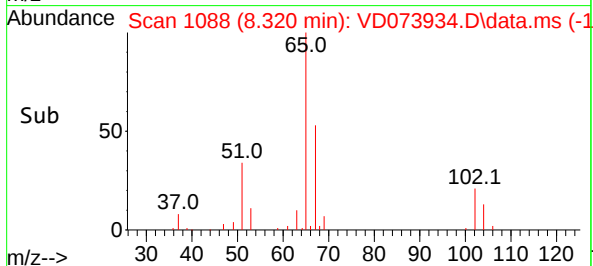
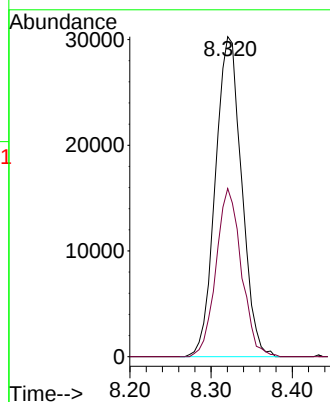
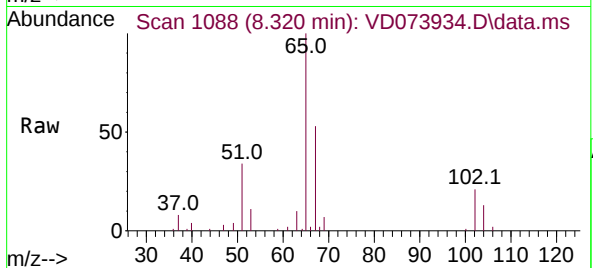
TR-06-072922

Tgt Ion: 65 Resp: 67986

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

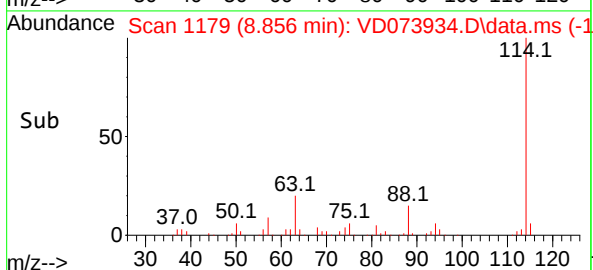
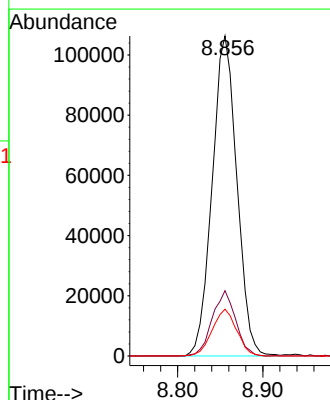
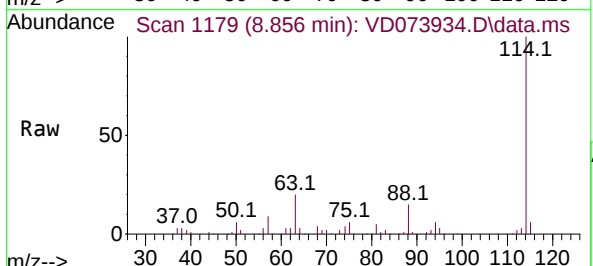
Tgt Ion: 114 Resp: 213605

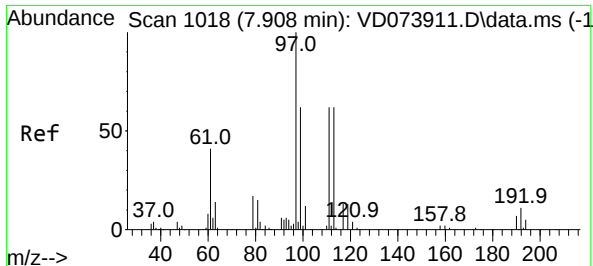
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.6

88 14.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 59.981 ug/l

RT: 7.903 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

TR-06-072922

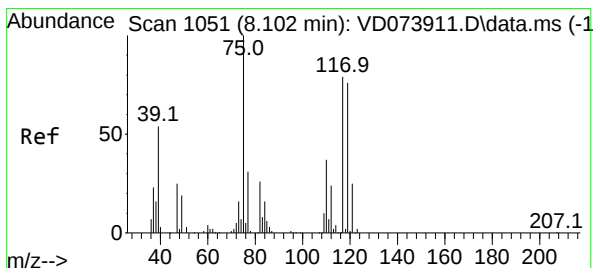
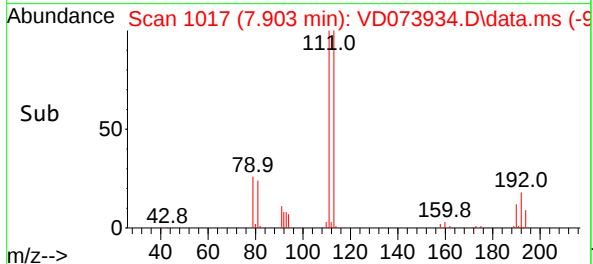
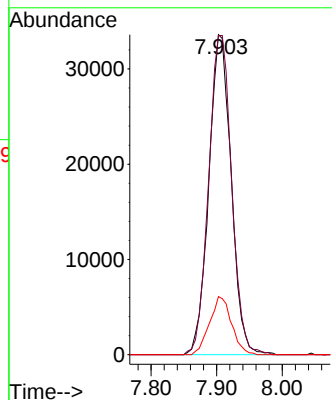
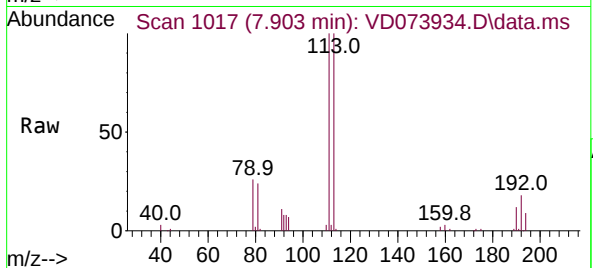
Tgt Ion:113 Resp: 79605

Ion Ratio Lower Upper

113 100

111 102.3 83.7 125.5

192 17.8 15.0 22.6



#36

1,1-Dichloropropene

Concen: 4.168 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

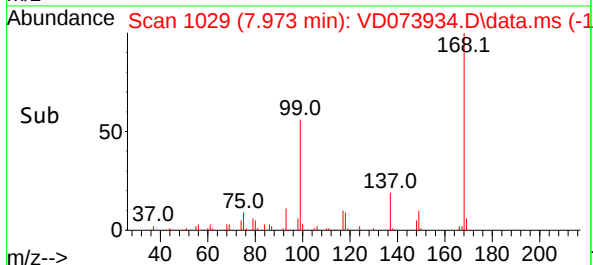
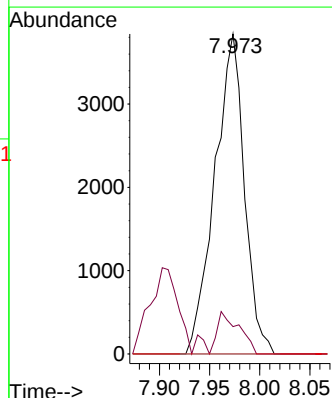
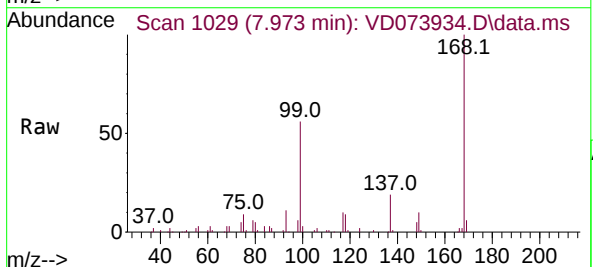
Tgt Ion: 75 Resp: 7878

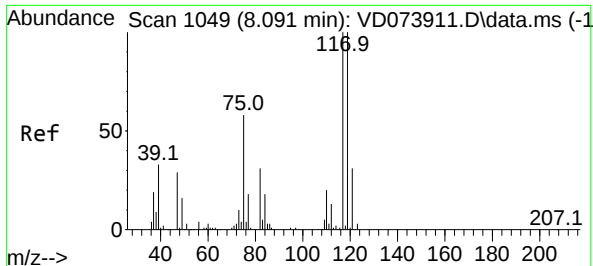
Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.847 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.123 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

TR-06-072922

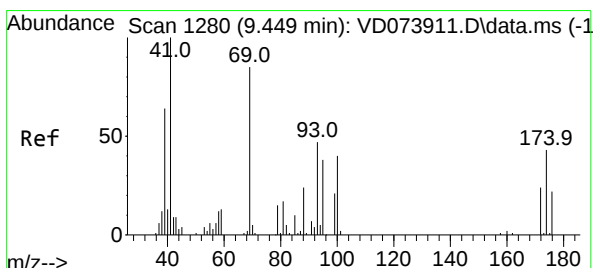
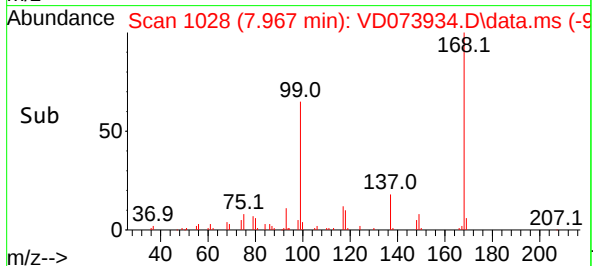
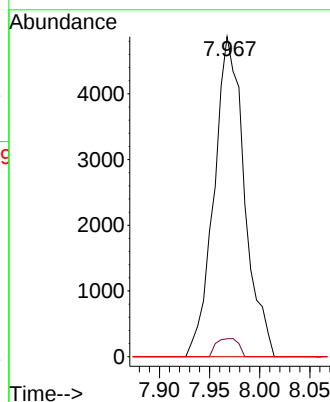
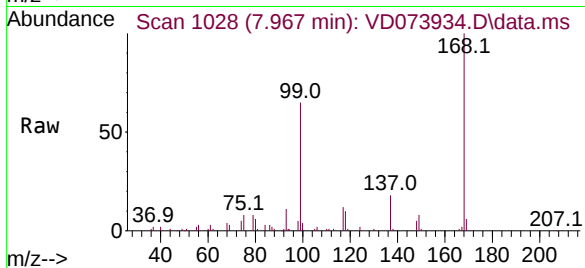
Tgt Ion:117 Resp: 10263

Ion Ratio Lower Upper

117 100

119 5.6 79.6 119.4#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: 6.501 ug/l

RT: 9.485 min Scan# 1286

Delta R.T. 0.036 min

Lab File: VD073934.D

Acq: 02 Aug 2022 19:00

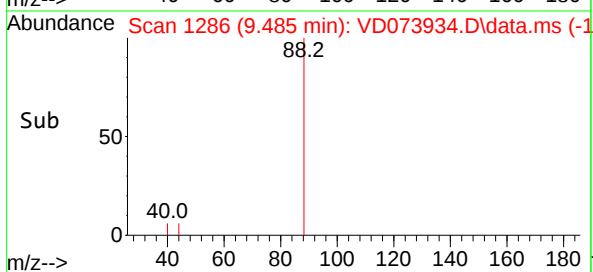
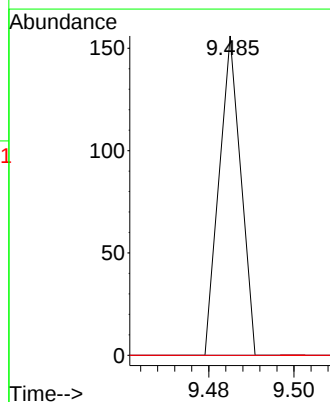
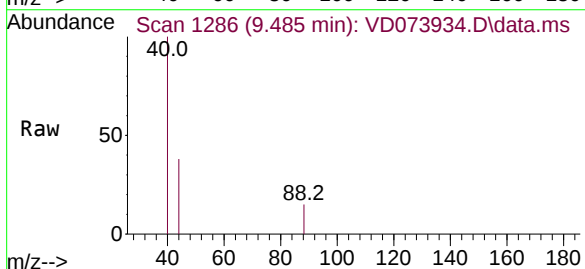
Tgt Ion: 88 Resp: 55

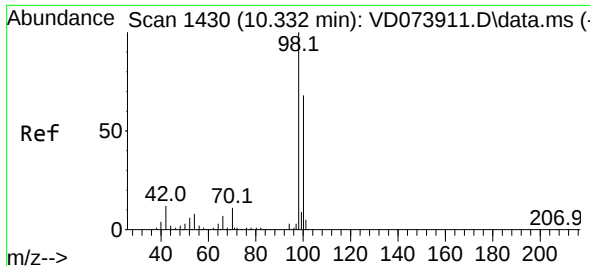
Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 0.0 51.9 77.9#

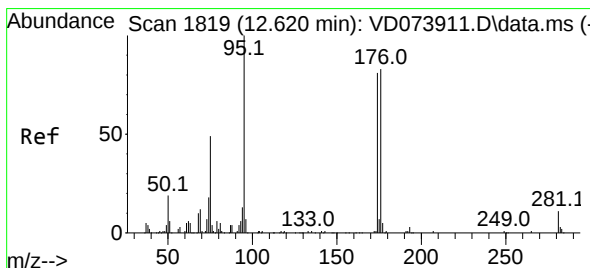
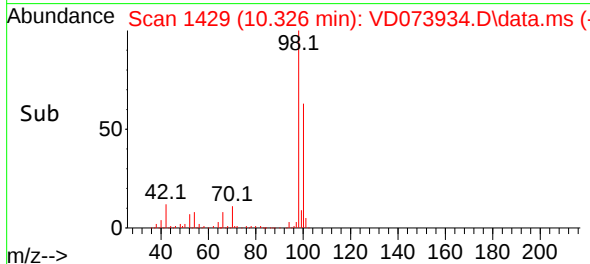
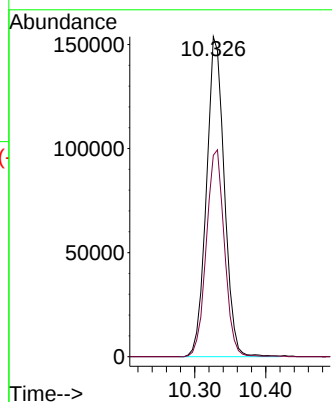
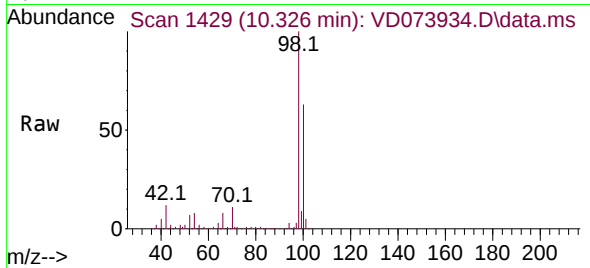




#50
Toluene-d8
Concen: 60.109 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

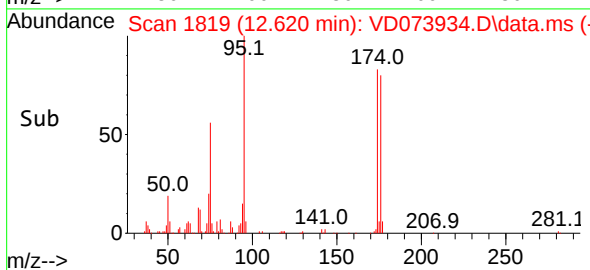
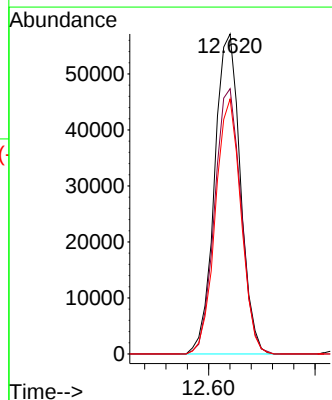
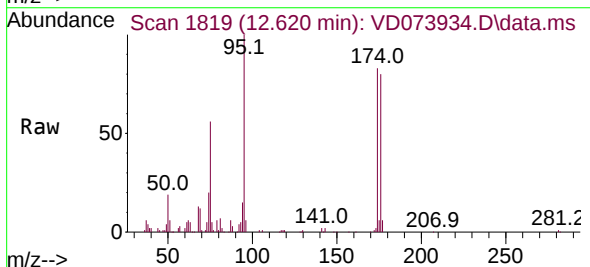
Instrument :
MSVOA_D
ClientSampleId :
TR-06-072922

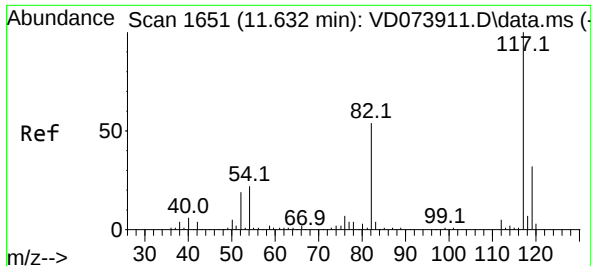
Tgt Ion: 98 Resp: 268719
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 58.329 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

Tgt Ion: 95 Resp: 95892
Ion Ratio Lower Upper
95 100
174 84.7 0.0 164.2
176 79.0 0.0 161.4

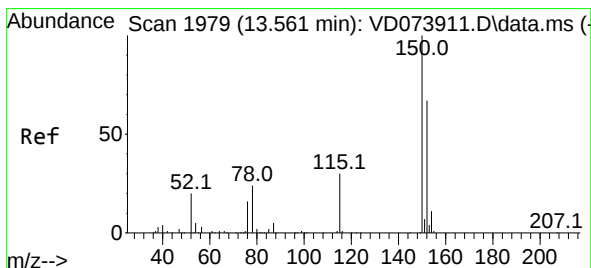
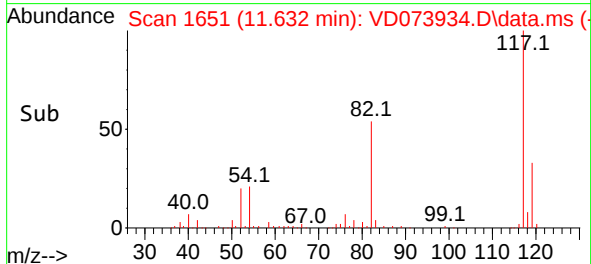
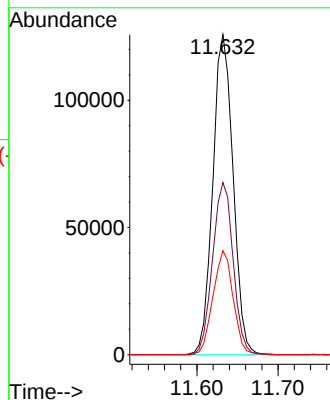
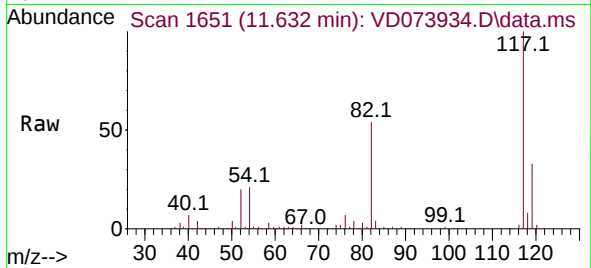




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

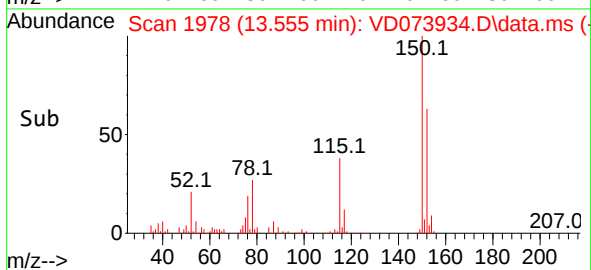
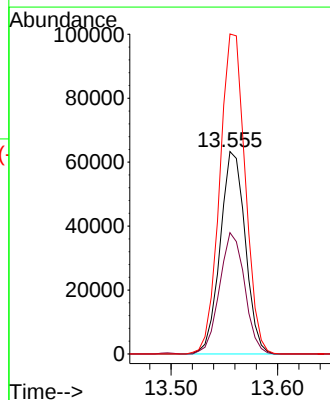
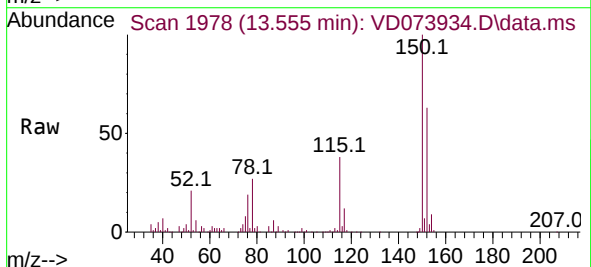
Instrument :
MSVOA_D
ClientSampleId :
TR-06-072922

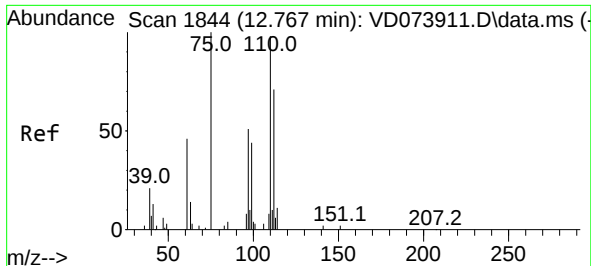
Tgt Ion:117 Resp: 218245
Ion Ratio Lower Upper
117 100
82 53.8 43.3 64.9
119 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

Tgt Ion:152 Resp: 103509
Ion Ratio Lower Upper
152 100
115 59.9 29.1 87.3
150 160.4 0.0 338.2

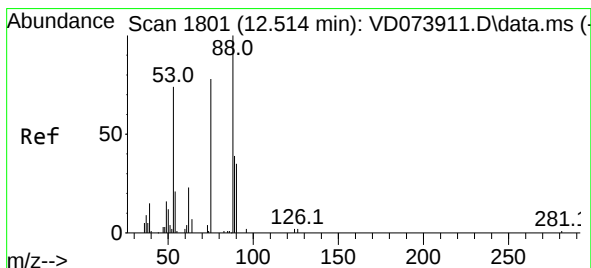
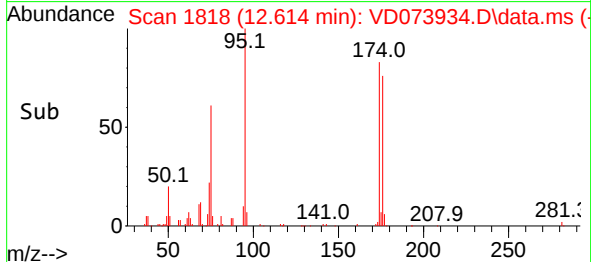
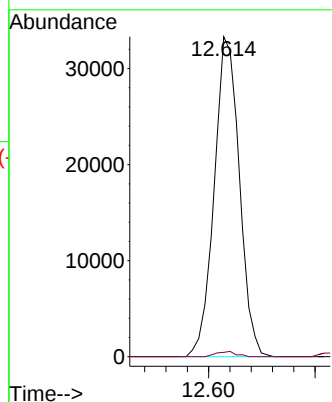
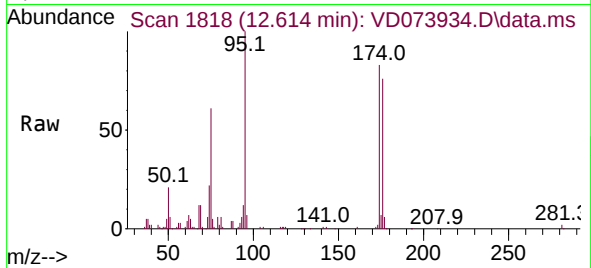




#76
1,2,3-Trichloropropane
Concen: 71.154 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

Instrument :
MSVOA_D
ClientSampleId :
TR-06-072922

Tgt Ion: 75 Resp: 54561
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 151.227 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073934.D
Acq: 02 Aug 2022 19:00

Tgt Ion: 75 Resp: 54561
Ion Ratio Lower Upper
75 100
53 0.2 71.6 107.4#
89 0.0 39.8 59.6#

