

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073028.D
 Acq On : 14 May 2022 10:33
 Operator : VA/SY
 Sample : N2823-14
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-14

Quant Time: May 16 05:22:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

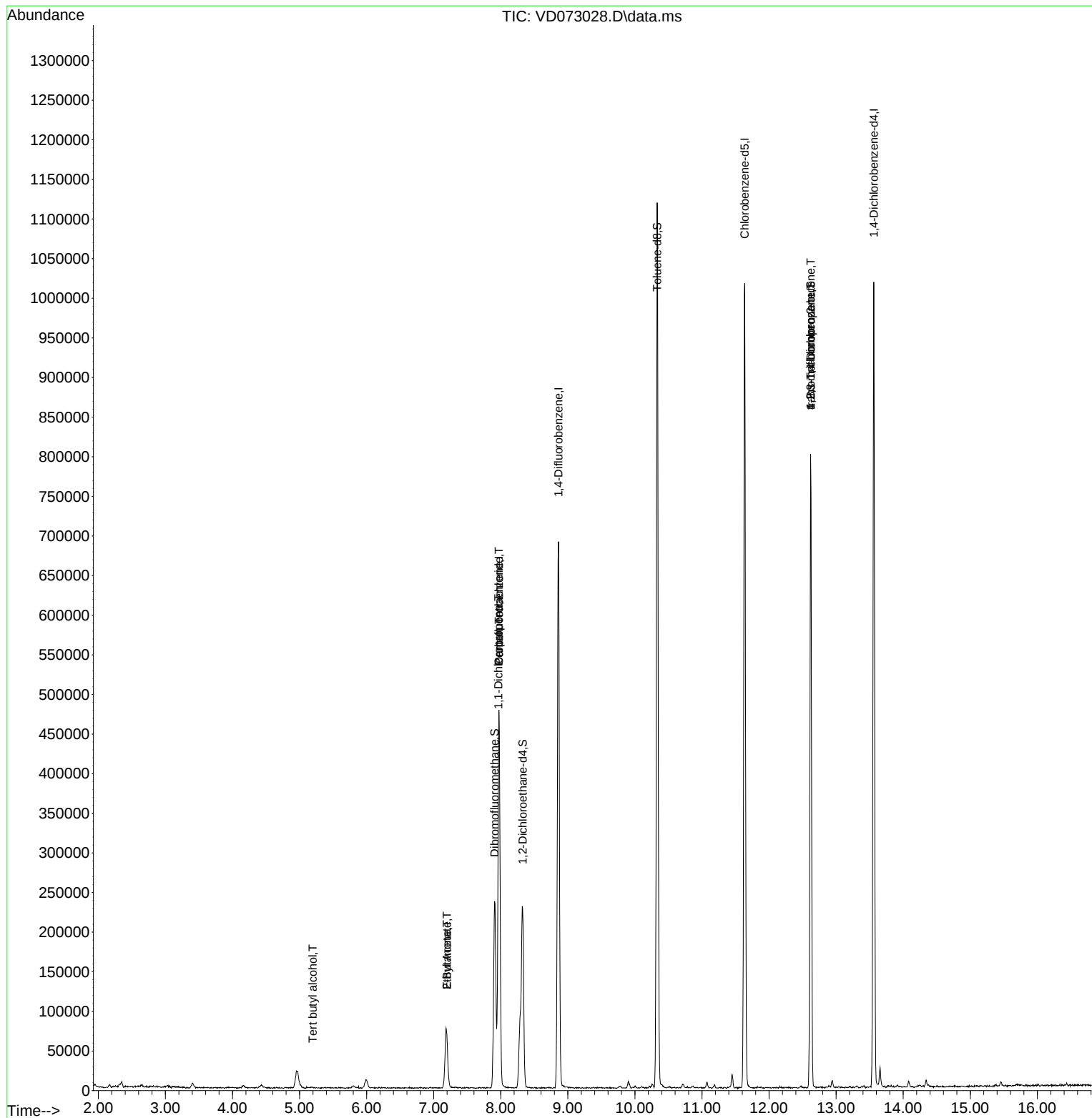
Internal Standards						
1) Pentafluorobenzene	7.973	168	341759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	596249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	585721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175157	39.483	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.960%
35) Dibromofluoromethane	7.908	113	174098	41.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.160%
50) Toluene-d8	10.332	98	733385	48.824	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.620	95	257455	45.966	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.940%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	545	Below Cal		88
11) Tert butyl alcohol	5.197	59	514	1.339 ug/l	#	74
16) Acetone	4.156	43	5270	Below Cal	#	68
18) Methyl Acetate	4.797	43	65	Below Cal	#	55
20) Methylene Chloride	4.956	84	17169	Below Cal	#	79
25) 2-Butanone	7.197	43	4213	3.259 ug/l	#	52
36) 1,1-Dichloropropene	7.967	75	28614	4.202 ug/l	#	52
37) Ethyl Acetate	7.197	43	4213	1.346 ug/l	#	1
38) Carbon Tetrachloride	7.973	117	37702	5.334 ug/l	#	15
76) 1,2,3-Trichloropropane	12.620	75	129792	43.629 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	129792	100.330 ug/l	#	7

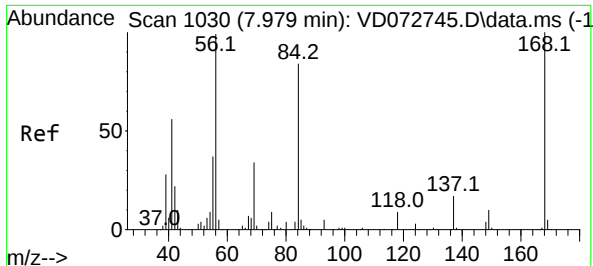
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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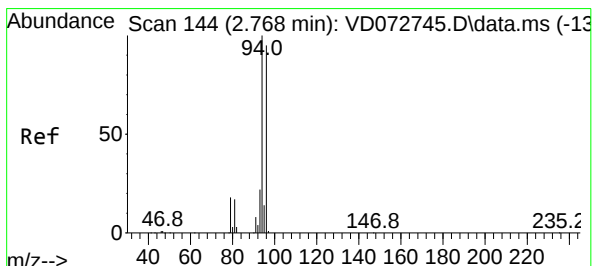
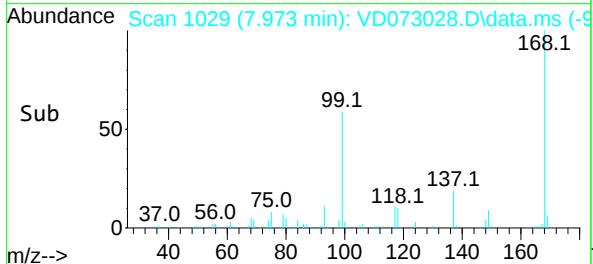
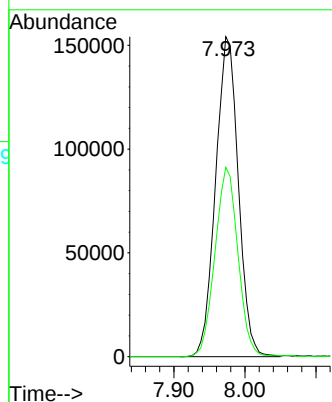
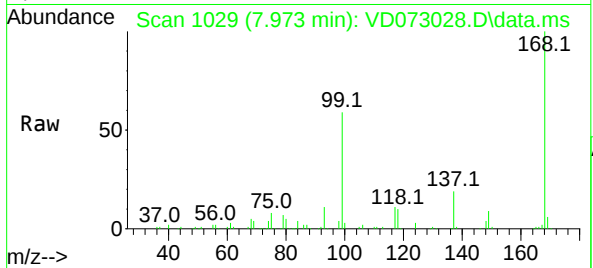




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

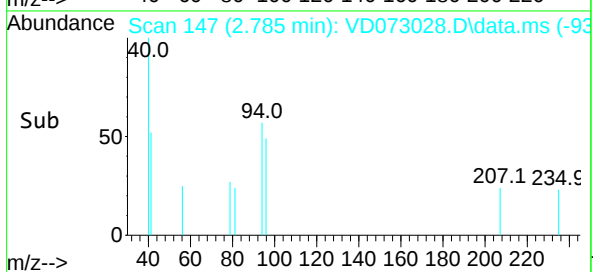
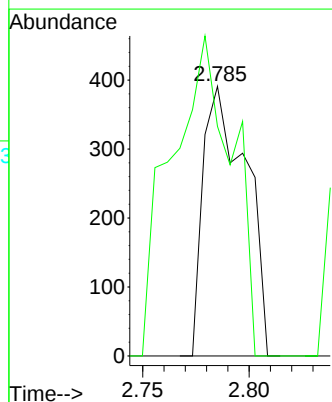
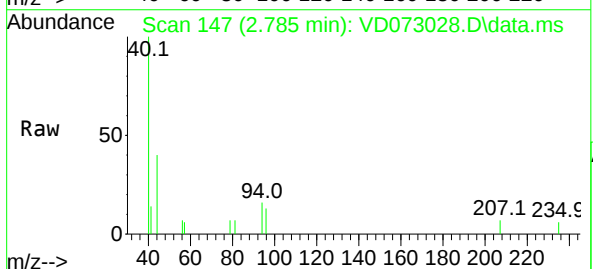
Instrument :
MSVOA_D
ClientSampleId :
SC-14

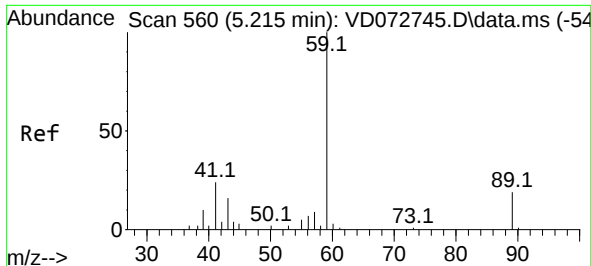
Tgt Ion:168 Resp: 341759
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

Tgt Ion: 94 Resp: 545
Ion Ratio Lower Upper
94 100
96 85.2 77.6 116.4





#11

Tert butyl alcohol

Concen: 1.339 ug/l

RT: 5.197 min Scan# 514

Delta R.T. -0.018 min

Lab File: VD073028.D

Acq: 14 May 2022 10:33

Instrument :

MSVOA_D

ClientSampleId :

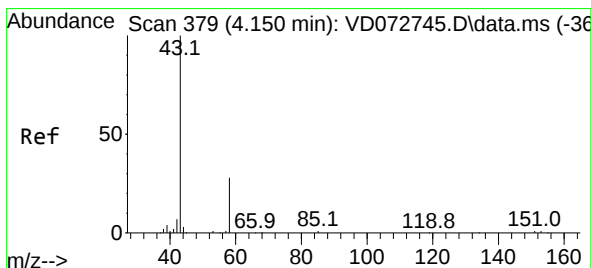
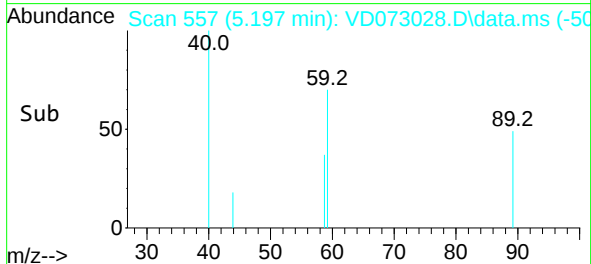
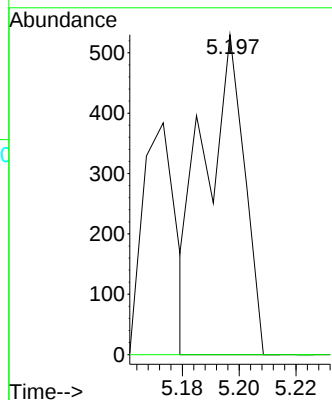
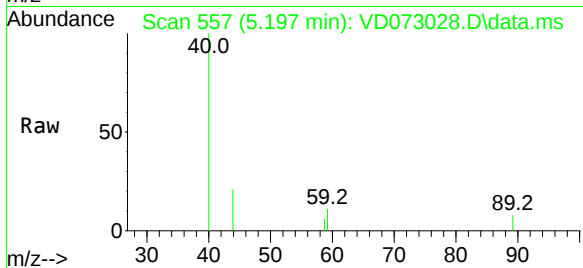
SC-14

Tgt Ion: 59 Resp: 514

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073028.D

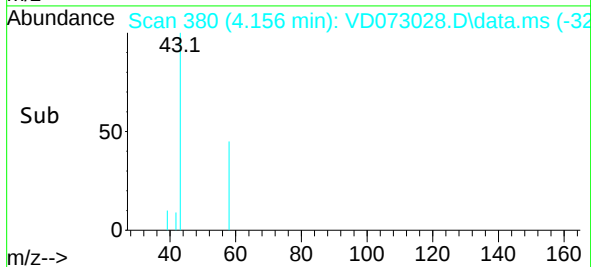
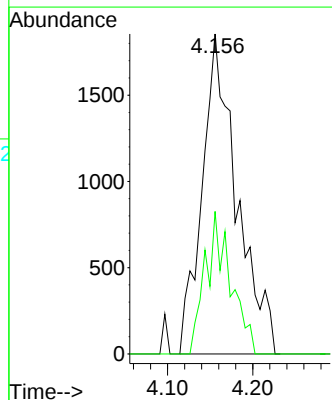
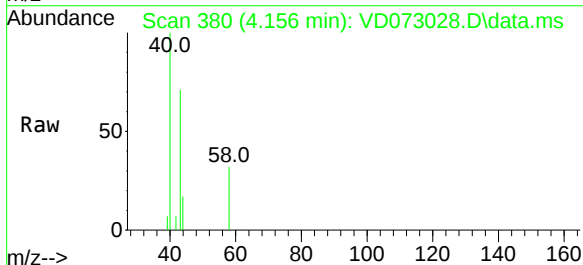
Acq: 14 May 2022 10:33

Tgt Ion: 43 Resp: 5270

Ion Ratio Lower Upper

43 100

58 44.5 22.1 33.1#



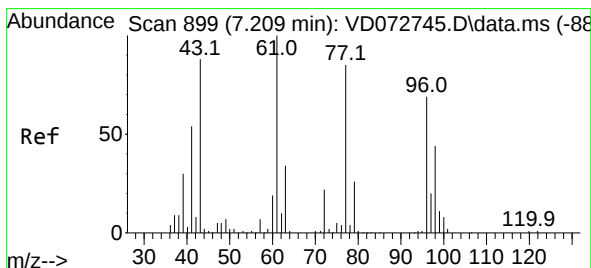
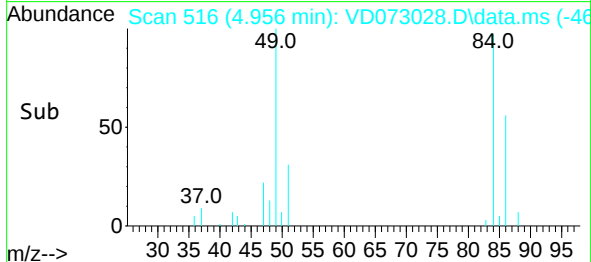
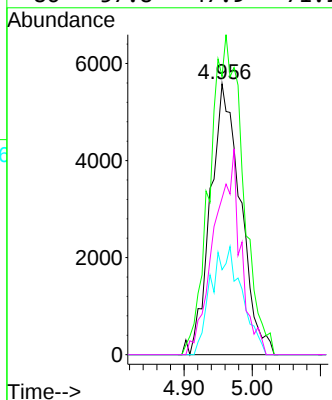
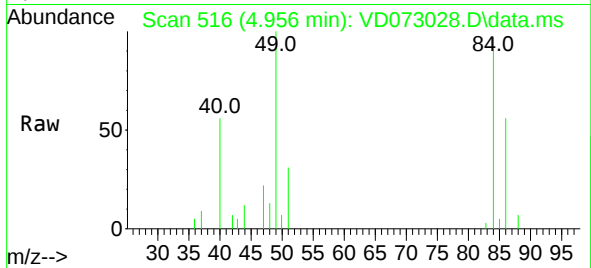


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

Instrument :
MSVOA_D
ClientSampleId :
SC-14

Tgt Ion: 84 Resp: 17169

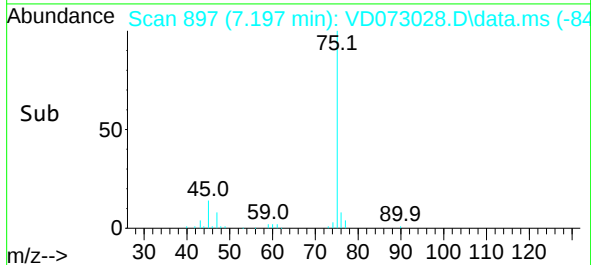
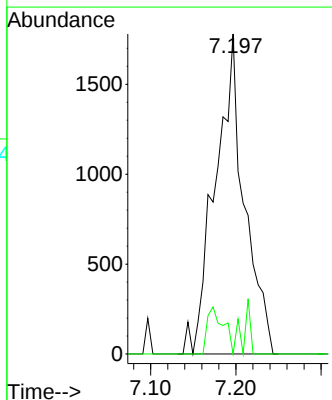
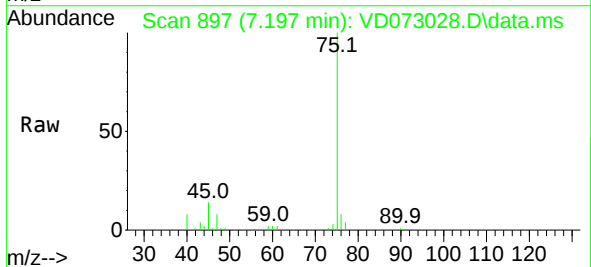
Ion	Ratio	Lower	Upper
84	100		
49	102.8	112.8	169.2#
51	31.4	32.6	48.8#
86	57.8	47.9	71.9

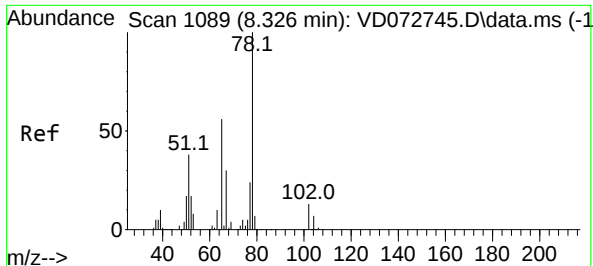


#25
2-Butanone
Concen: 3.259 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

Tgt Ion: 43 Resp: 4213

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#33

1,2-Dichloroethane-d4

Concen: 39.483 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073028.D

Acq: 14 May 2022 10:33

Instrument :

MSVOA_D

ClientSampleId :

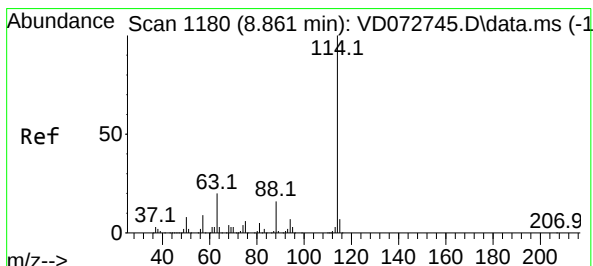
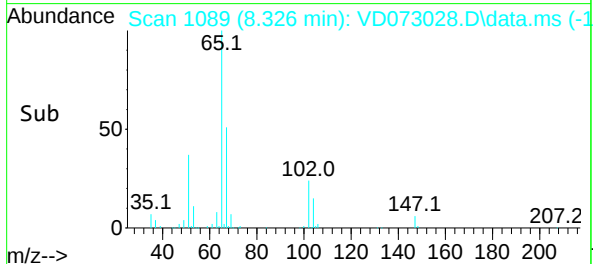
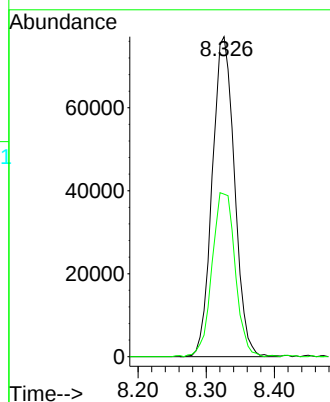
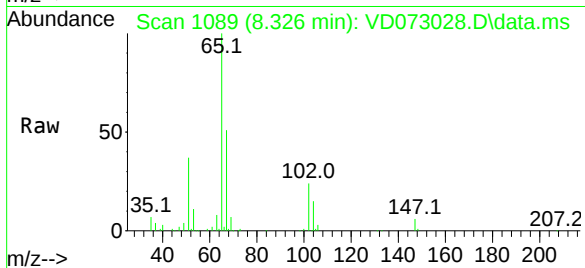
SC-14

Tgt Ion: 65 Resp: 175157

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073028.D

Acq: 14 May 2022 10:33

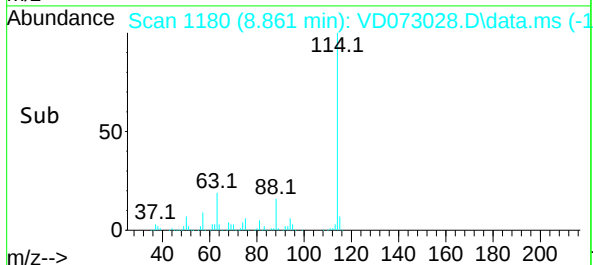
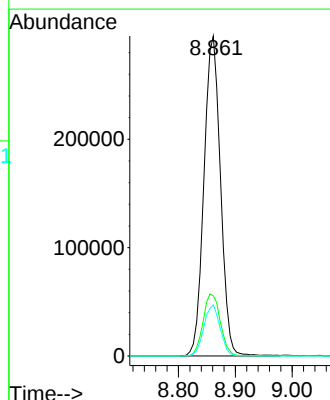
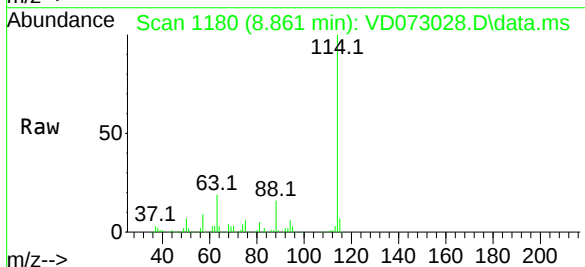
Tgt Ion: 114 Resp: 596249

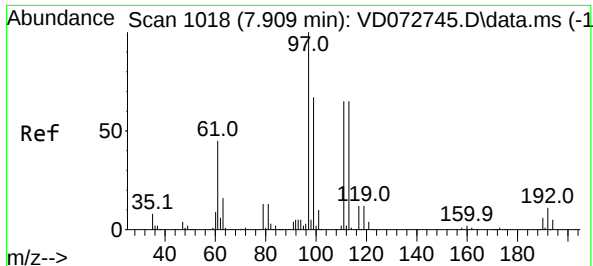
Ion Ratio Lower Upper

114 100

63 18.8 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.575 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073028.D

Acq: 14 May 2022 10:33

Instrument :

MSVOA_D

ClientSampleId :

SC-14

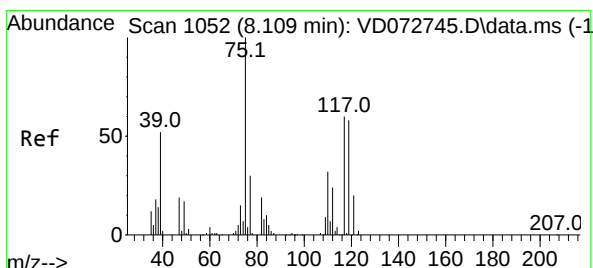
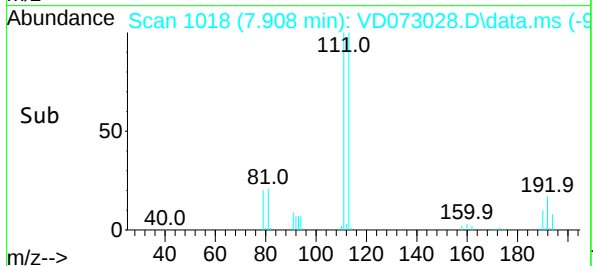
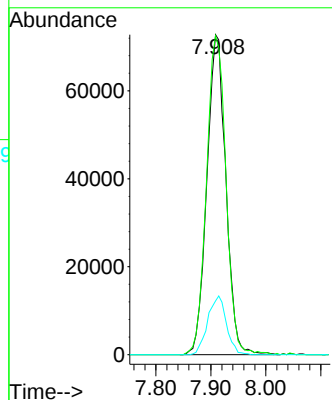
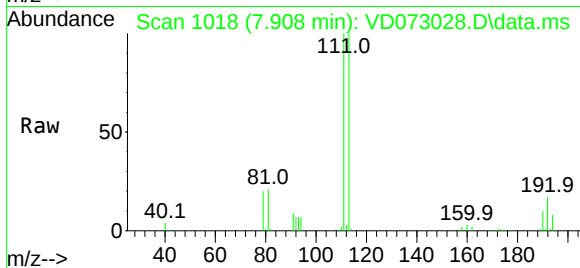
Tgt Ion:113 Resp: 174098

Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.202 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.142 min

Lab File: VD073028.D

Acq: 14 May 2022 10:33

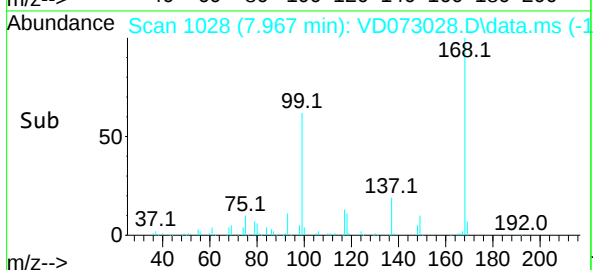
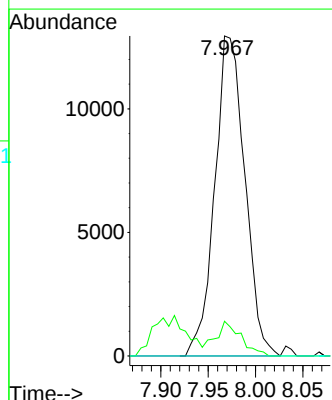
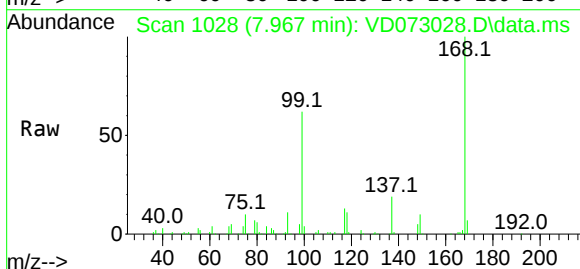
Tgt Ion: 75 Resp: 28614

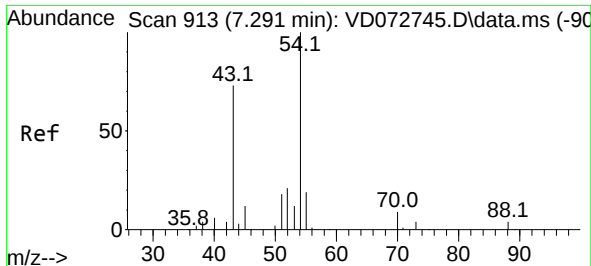
Ion Ratio Lower Upper

75 100

110 9.3 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.346 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073028.D

Acq: 14 May 2022 10:33

Instrument :

MSVOA_D

ClientSampleId :

SC-14

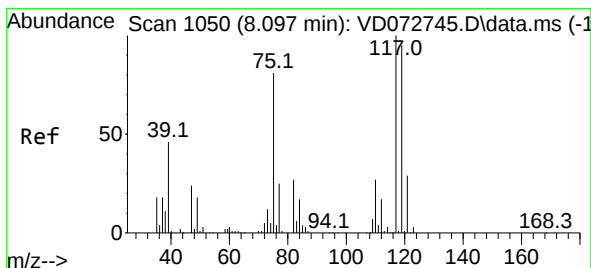
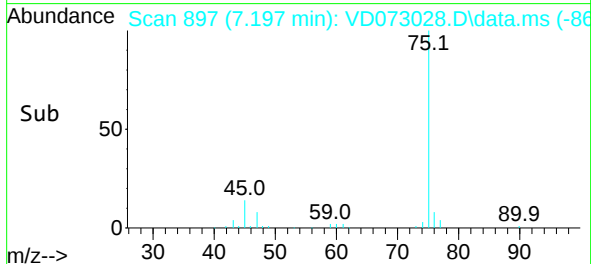
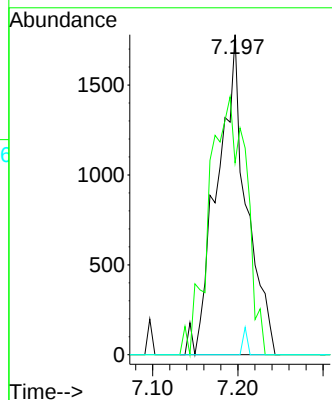
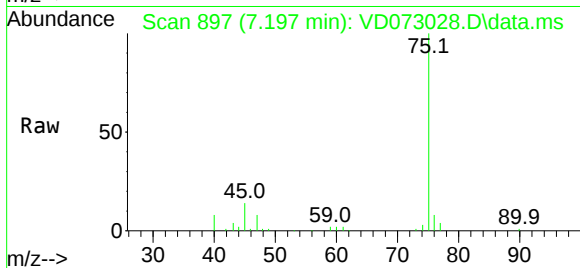
Tgt Ion: 43 Resp: 4213

Ion Ratio Lower Upper

43 100

61 102.5 9.8 14.8#

70 1.3 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.334 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD073028.D

Acq: 14 May 2022 10:33

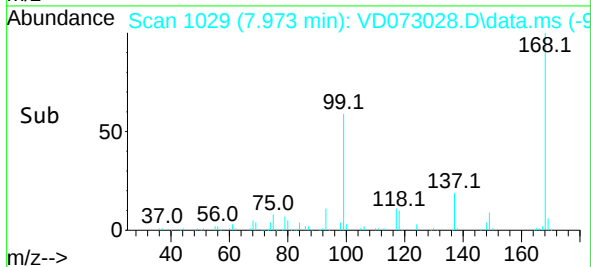
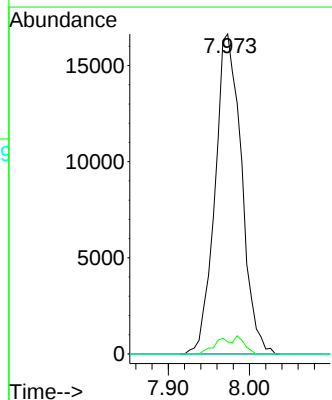
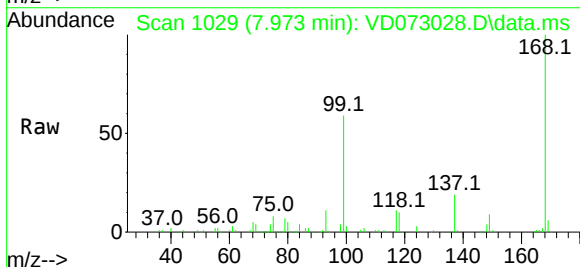
Tgt Ion: 117 Resp: 37702

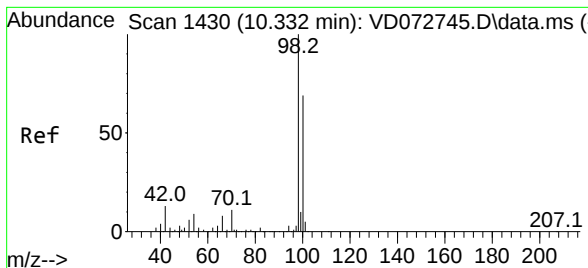
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.6#

121 0.0 24.5 36.7#

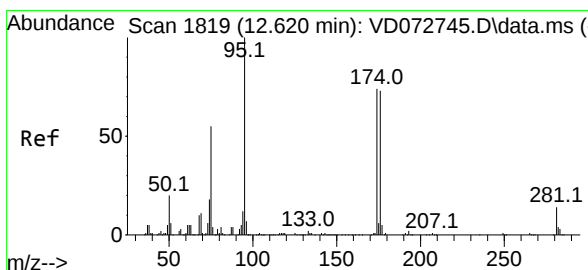
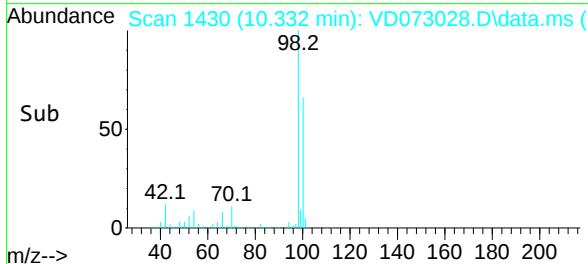
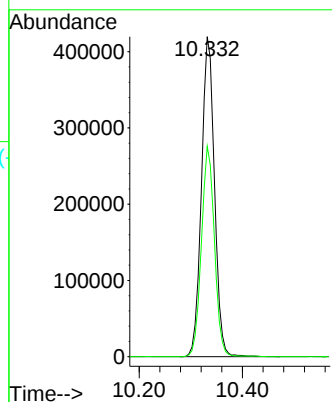
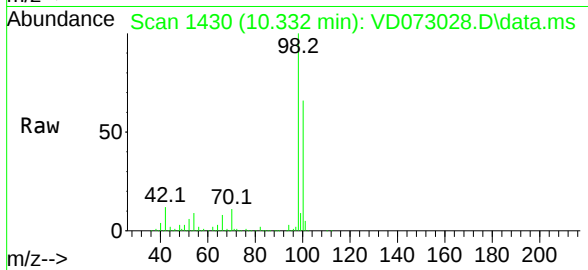




#50
Toluene-d8
Concen: 48.824 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

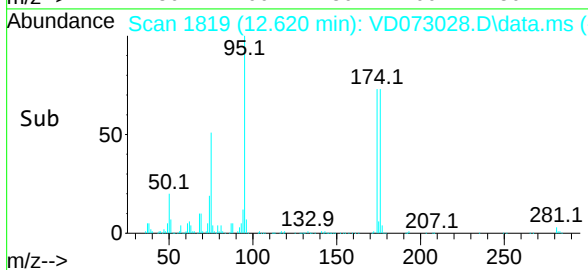
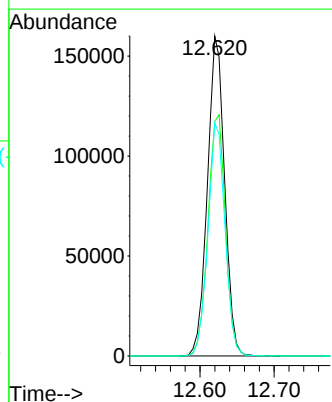
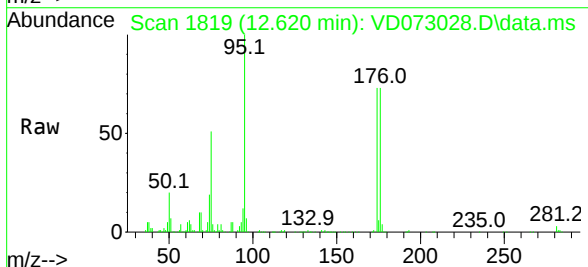
Instrument :
MSVOA_D
ClientSampleId :
SC-14

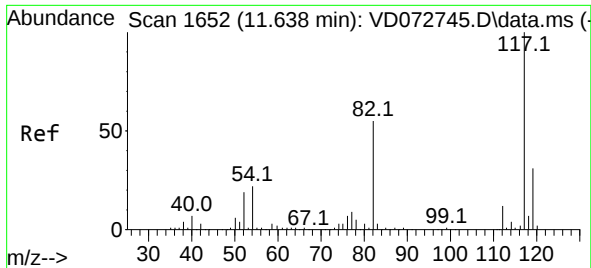
Tgt Ion: 98 Resp: 733385
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.966 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

Tgt Ion: 95 Resp: 257455
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 72.2 0.0 145.4

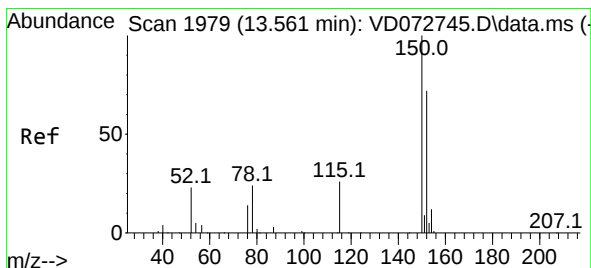
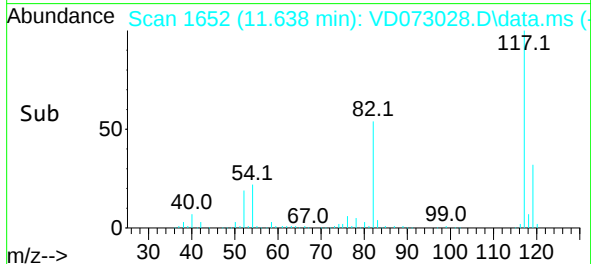
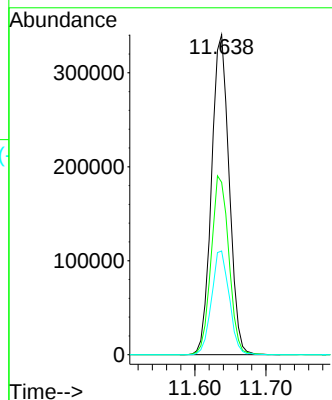
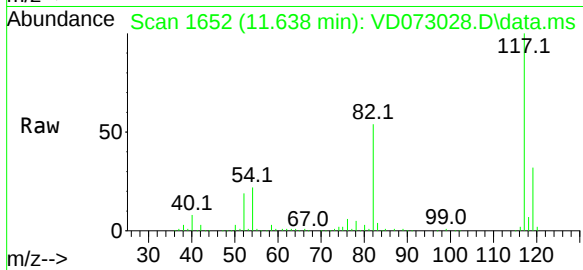




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

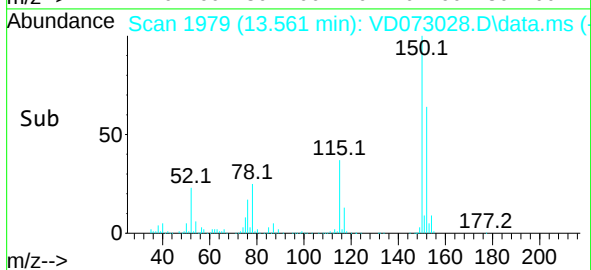
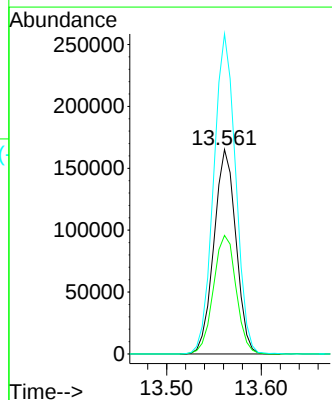
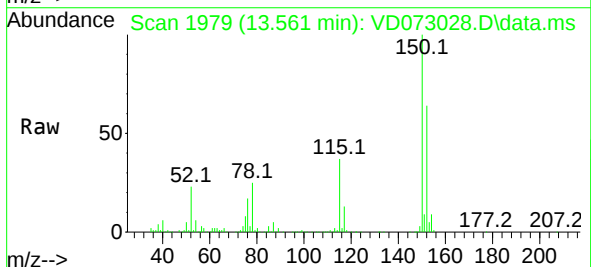
Instrument :
MSVOA_D
ClientSampleId :
SC-14

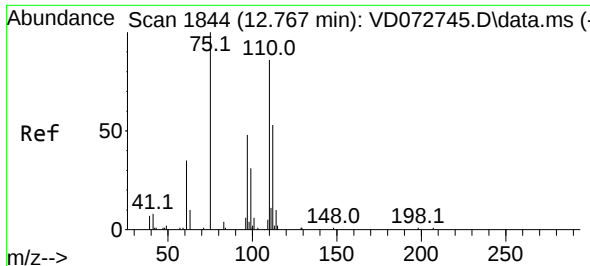
Tgt Ion:117 Resp: 585721
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 32.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

Tgt Ion:152 Resp: 266790
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 156.4 0.0 348.6

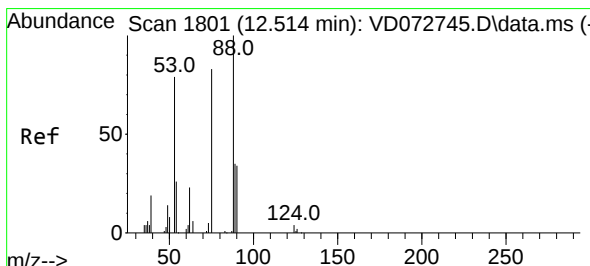
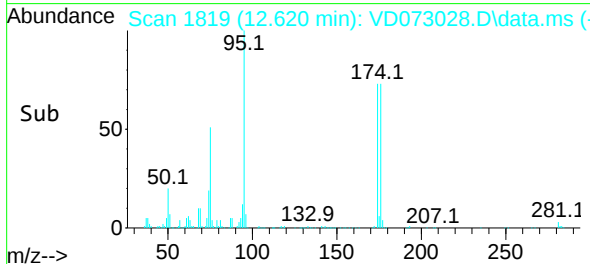
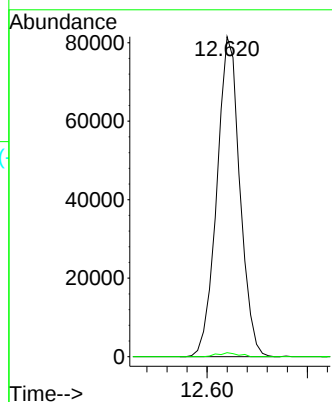
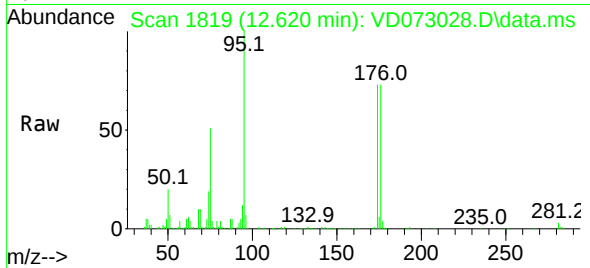




#76
1,2,3-Trichloropropane
Concen: 43.629 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

Instrument :
MSVOA_D
ClientSampleId :
SC-14

Tgt Ion: 75 Resp: 129792
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.330 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073028.D
Acq: 14 May 2022 10:33

Tgt Ion: 75 Resp: 129792
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

