

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073046.D
 Acq On : 16 May 2022 20:33
 Operator : VA/SY
 Sample : N2816-01
 Misc : 5.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-1824-01RE

Quant Time: May 17 03:31:19 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)

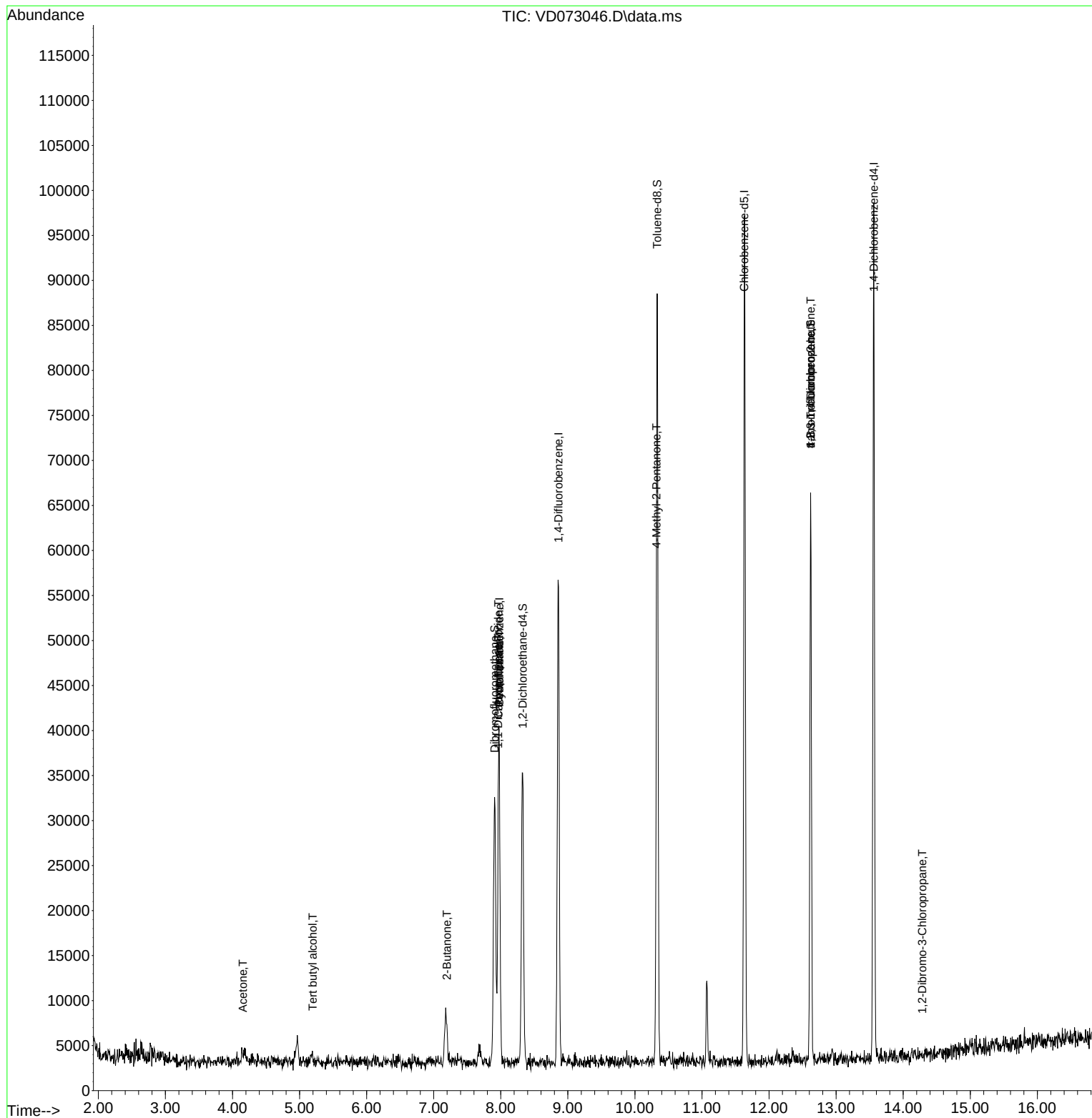
Internal Standards						
1) Pentafluorobenzene	7.979	168	25353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	45563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	53435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	24637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	27443	83.388	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 166.780%#			
35) Dibromofluoromethane	7.908	113	21035	65.736	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.480%			
50) Toluene-d8	10.332	98	55873	48.676	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.360%			
62) 4-Bromofluorobenzene	12.620	95	21170	49.462	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.920%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.197	59	241	8.464	ug/l #	74
13) Acrolein	3.756	56	68	Below Cal	#	14
16) Acetone	4.156	43	2011	19.809	ug/l #	47
20) Methylene Chloride	4.973	84	1804	Below Cal	#	68
25) 2-Butanone	7.197	43	202	2.107	ug/l #	52
31) Cyclohexane	7.979	56	671	1.166	ug/l #	43
36) 1,1-Dichloropropene	7.961	75	2429	4.668	ug/l #	45
38) Carbon Tetrachloride	7.967	117	2923	5.412	ug/l #	13
51) 4-Methyl-2-Pentanone	10.320	43	235	1.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	11636	42.356	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	11636	97.402	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.285	75	70	1.141	ug/l #	6

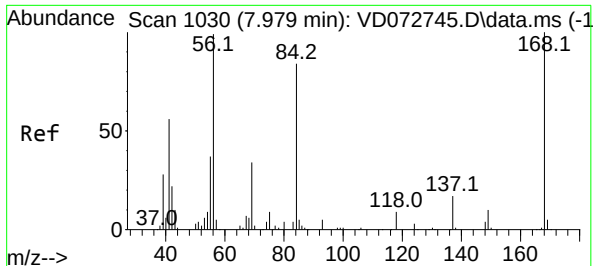
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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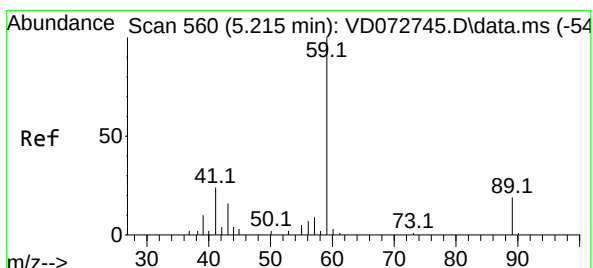
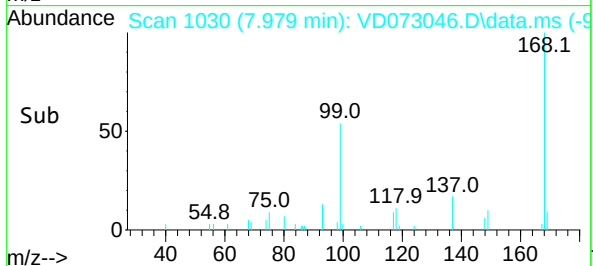
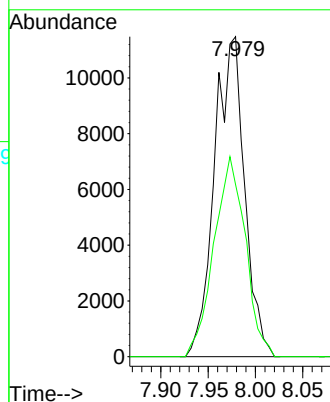
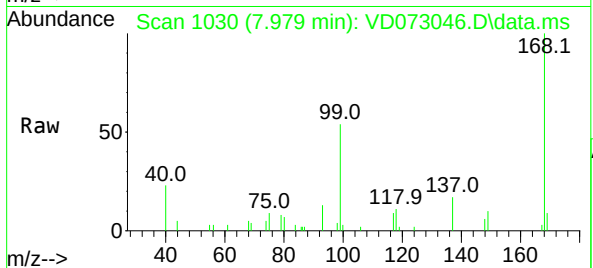




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

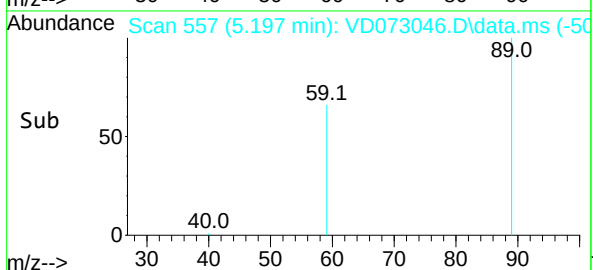
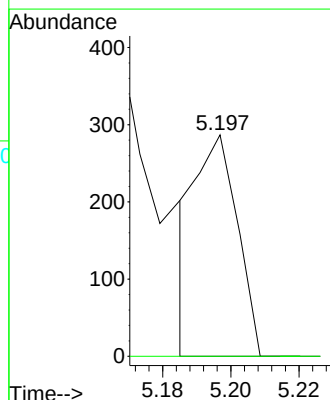
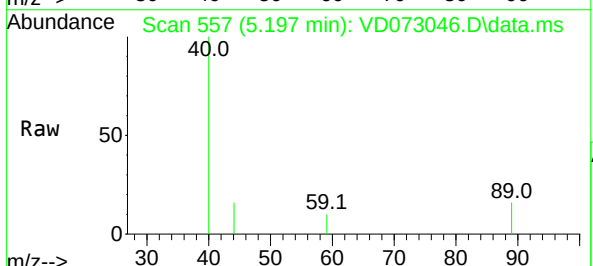
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-01RE

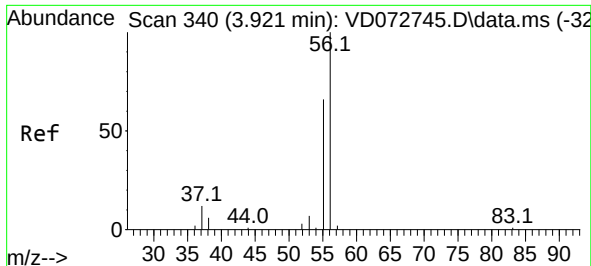
Tgt Ion:168 Resp: 25353
Ion Ratio Lower Upper
168 100
99 53.8 49.8 74.6



#11
Tert butyl alcohol
Concen: 8.464 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#13

Acrolein

Concen: Below Cal

RT: 3.756 min Scan# 31

Delta R.T. -0.165 min

Lab File: VD073046.D

Acq: 16 May 2022 20:33

Instrument :

MSVOA_D

ClientSampleId :

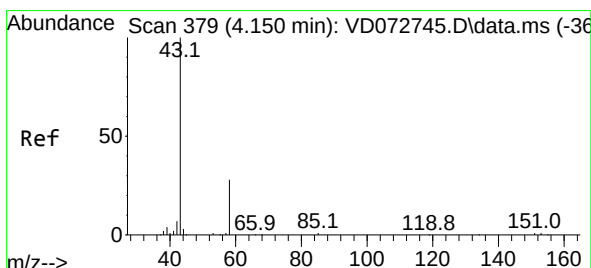
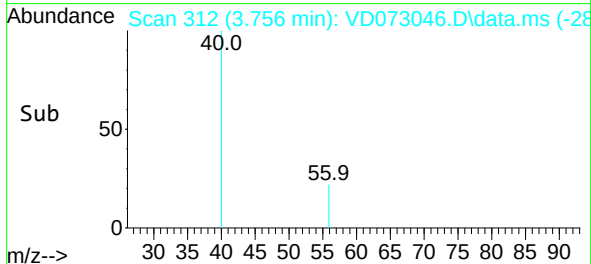
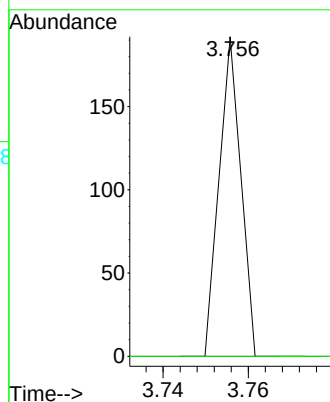
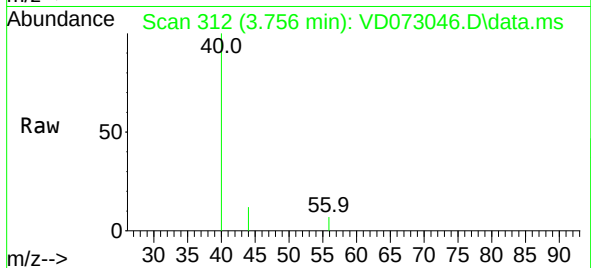
P007-SS002-1824-01RE

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 19.809 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073046.D

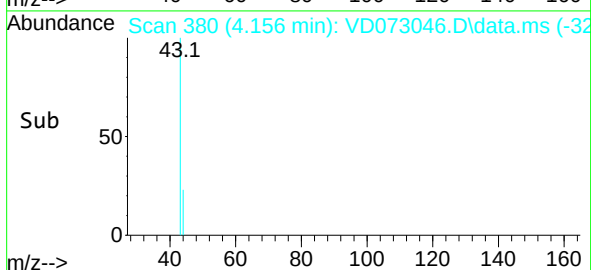
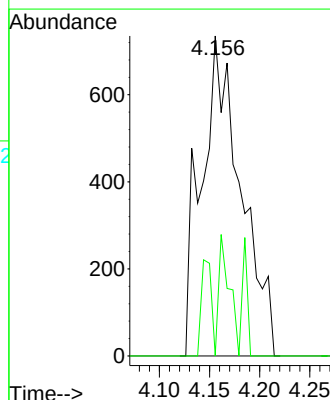
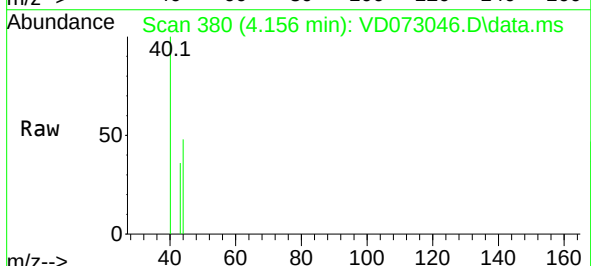
Acq: 16 May 2022 20:33

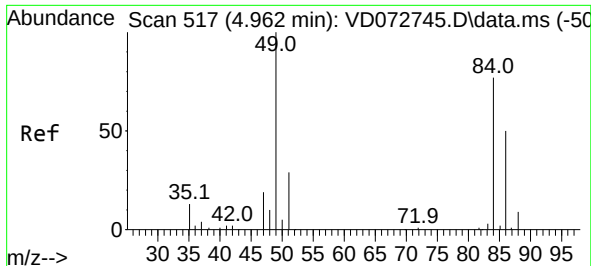
Tgt Ion: 43 Resp: 2011

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#

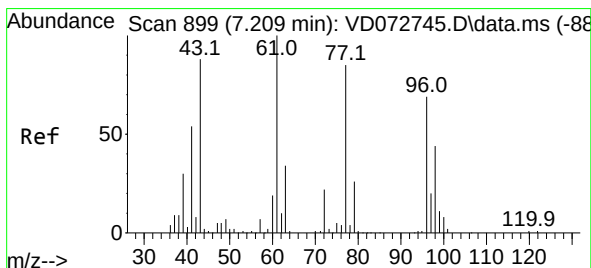
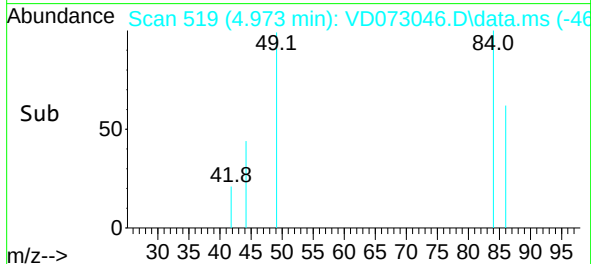
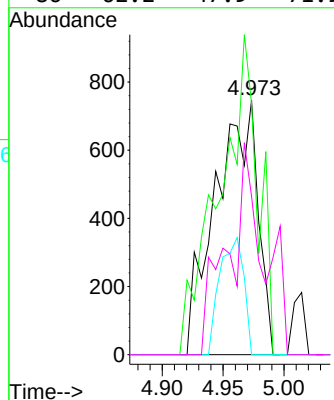
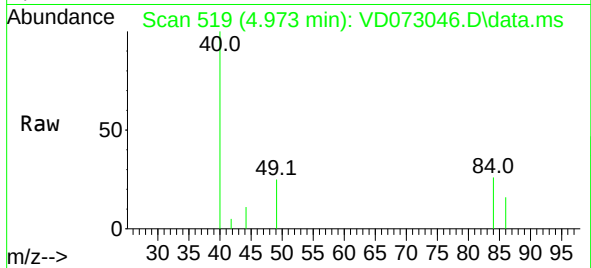




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

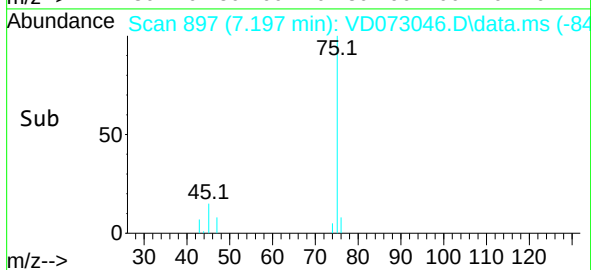
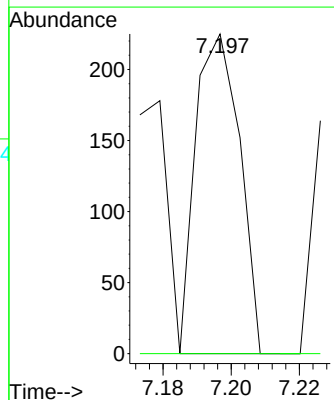
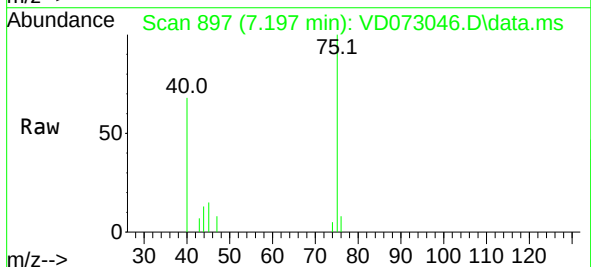
Instrument :
MSVOA_D
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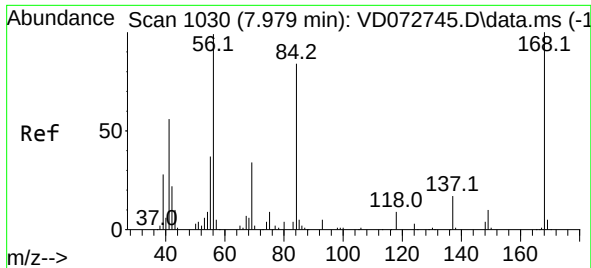
Tgt Ion: 84	Resp:	1804
Ion	Ratio	Lower Upper
84	100	
49	98.5	112.8 169.2#
51	0.0	32.6 48.8#
86	62.2	47.9 71.9



#25
2-Butanone
Concen: 2.107 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

Tgt Ion: 43	Resp:	202
Ion	Ratio	Lower Upper
43	100	
72	0.0	18.6 27.8#

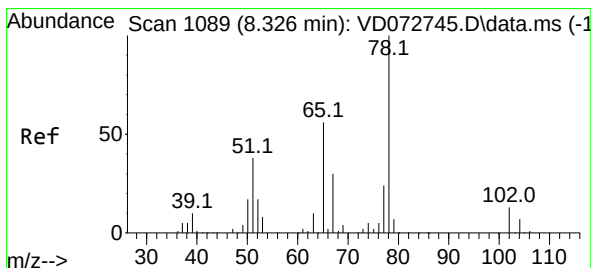
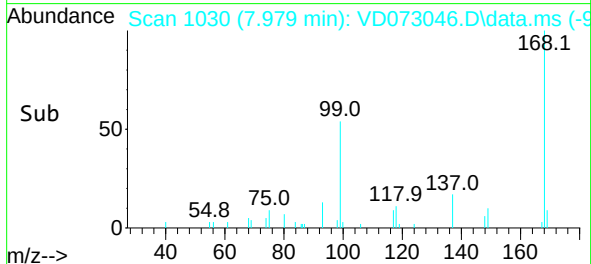
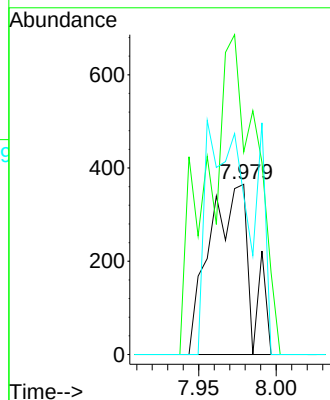
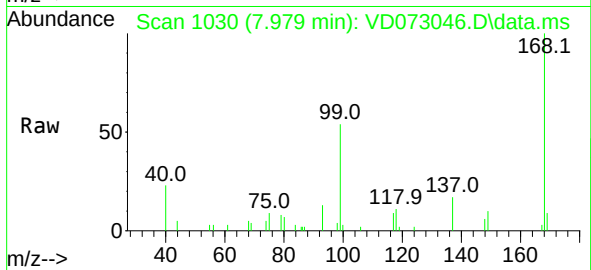




#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

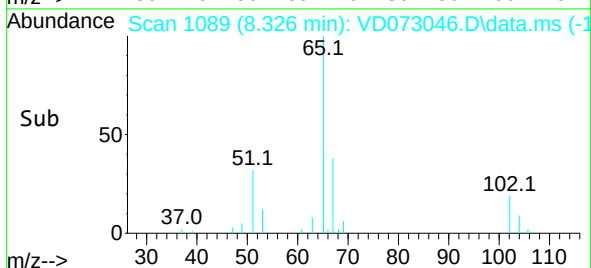
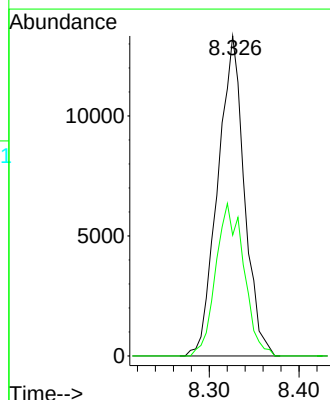
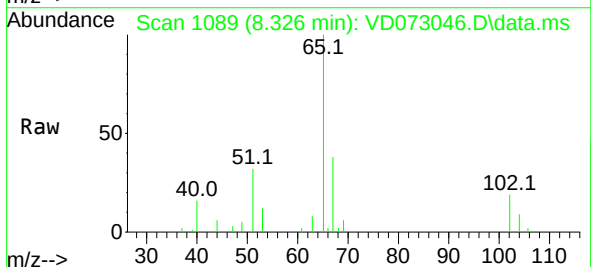
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-01RE

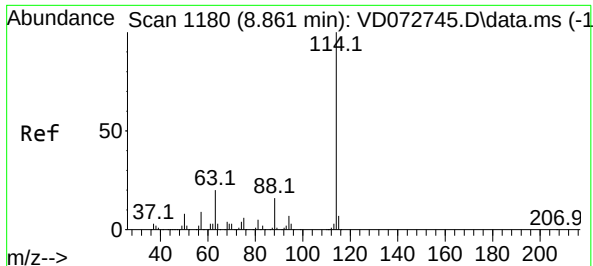
Tgt Ion: 56 Resp: 671
Ion Ratio Lower Upper
56 100
69 118.9 25.4 38.2#
84 93.2 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 83.388 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

Tgt Ion: 65 Resp: 27443
Ion Ratio Lower Upper
65 100
67 50.3 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: VD073046.D

Acq: 16 May 2022 20:33

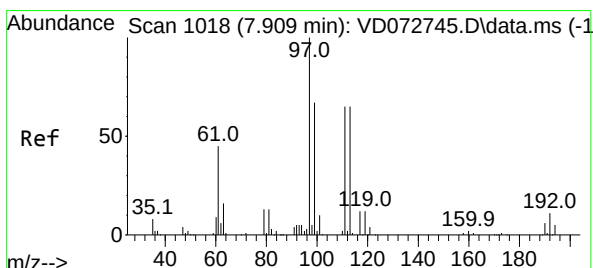
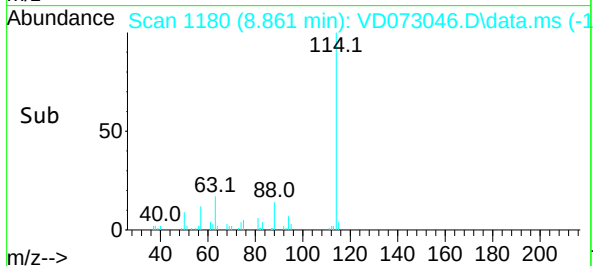
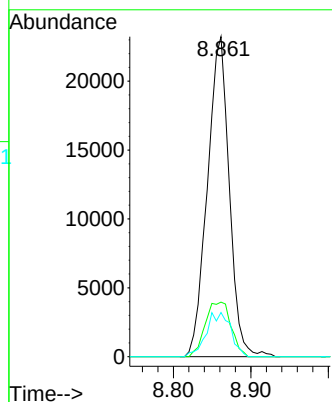
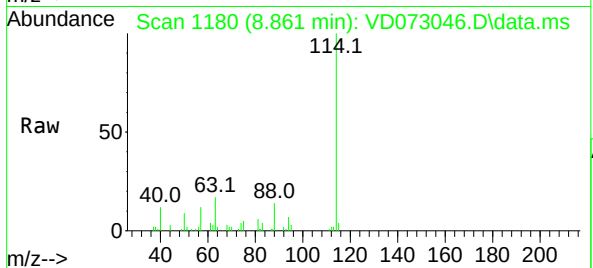
Instrument :

MSVOA_D

ClientSampleId :

P007-SS002-1824-01RE

Tgt Ion:	114	Resp:	45563
Ion Ratio	Lower	Upper	
114	100		
63	17.0	0.0	46.6
88	13.8	0.0	33.2



#35

Dibromofluoromethane

Concen: 65.736 ug/l

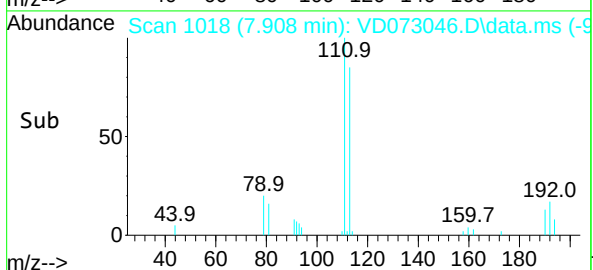
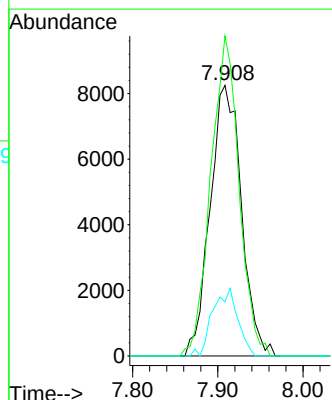
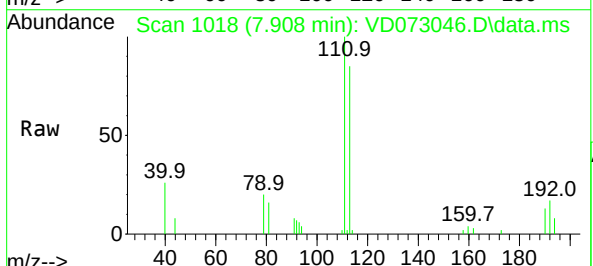
RT: 7.908 min Scan# 1018

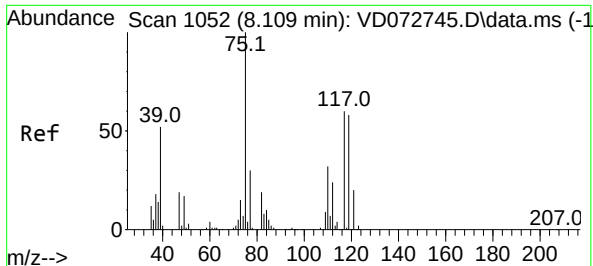
Delta R.T. -0.001 min

Lab File: VD073046.D

Acq: 16 May 2022 20:33

Tgt Ion:	113	Resp:	21035
Ion Ratio	Lower	Upper	
113	100		
111	106.8	83.8	125.6
192	20.0	14.6	21.8





#36

1,1-Dichloropropene

Concen: 4.668 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.148 min

Lab File: VD073046.D

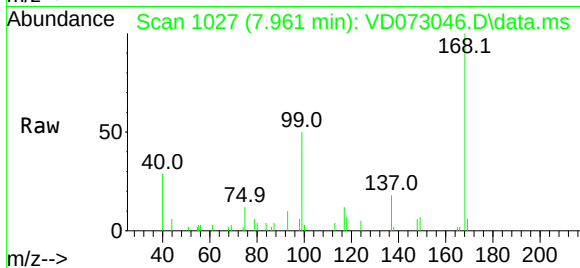
Acq: 16 May 2022 20:33

Instrument :

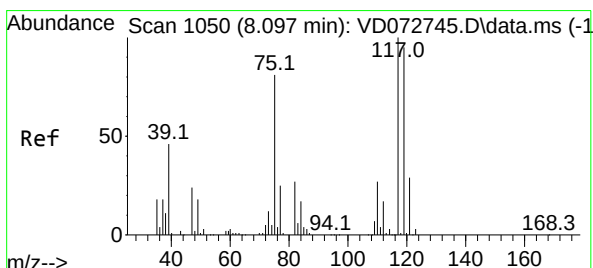
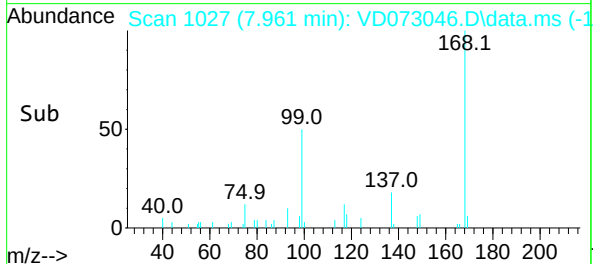
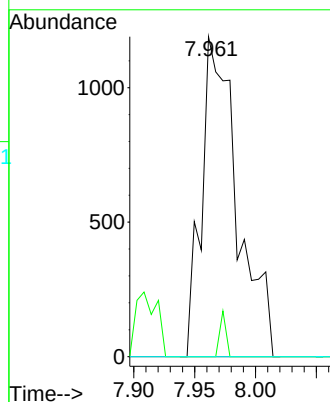
MSVOA_D

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Tgt Ion: 75	Resp: 2429
Ion Ratio	Lower Upper
75 100	
110 2.5	16.4 49.1#
77 0.0	24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.412 ug/l

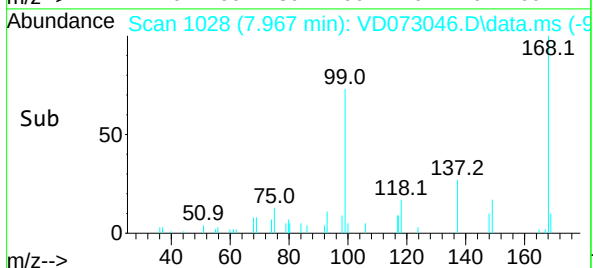
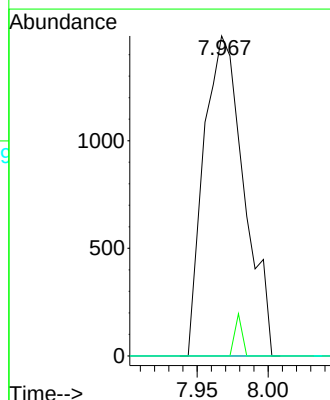
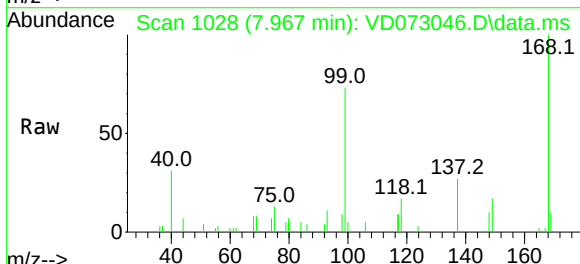
RT: 7.967 min Scan# 1028

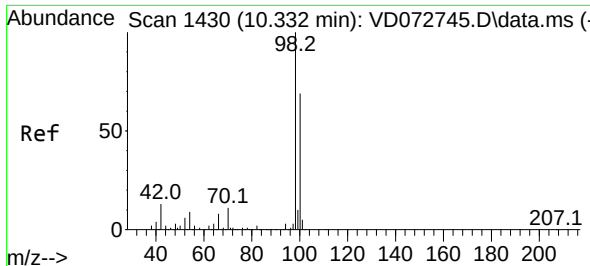
Delta R.T. -0.130 min

Lab File: VD073046.D

Acq: 16 May 2022 20:33

Tgt Ion: 117	Resp: 2923
Ion Ratio	Lower Upper
117 100	
119 0.0	75.8 113.6#
121 0.0	24.5 36.7#

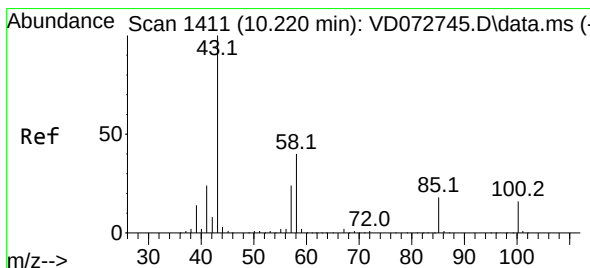
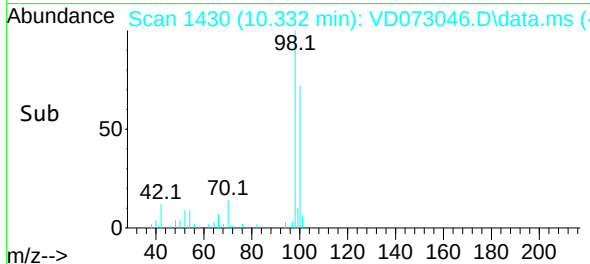
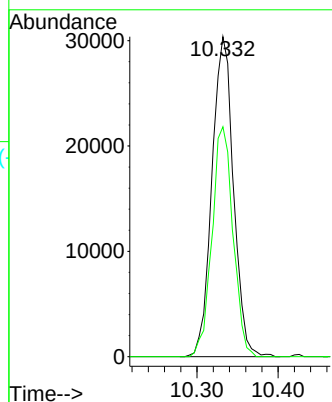
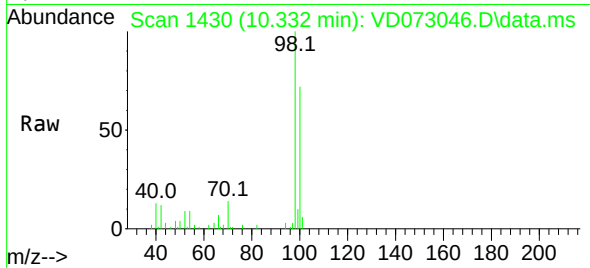




#50
Toluene-d8
Concen: 48.676 ug/l
RT: 10.332 min Scan# 1428
Delta R.T. -0.000 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

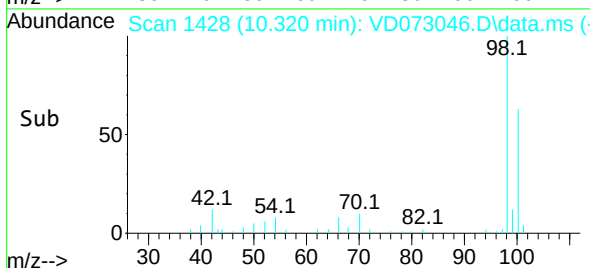
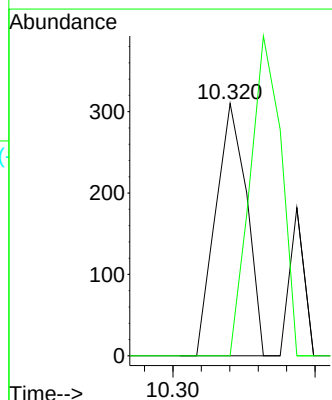
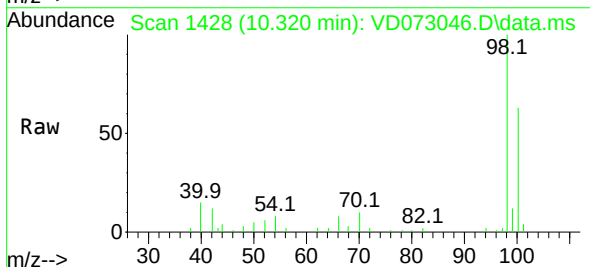
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-01RE

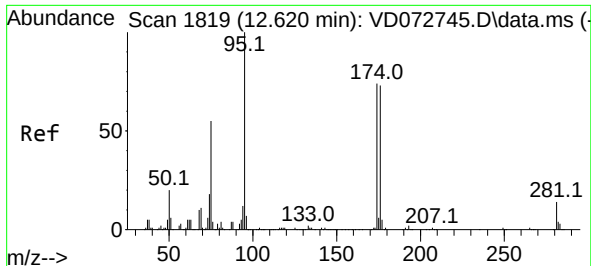
Tgt Ion: 98 Resp: 55873
Ion Ratio Lower Upper
98 100
100 70.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.024 ug/l
RT: 10.320 min Scan# 1428
Delta R.T. 0.100 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

Tgt Ion: 43 Resp: 235
Ion Ratio Lower Upper
43 100
58 126.8 28.6 43.0#

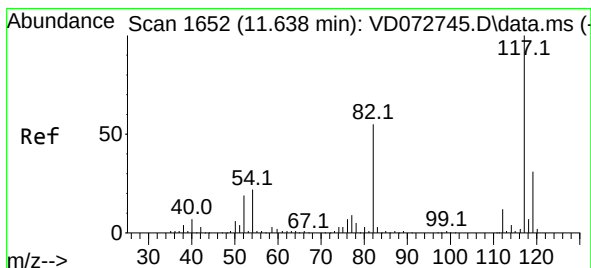
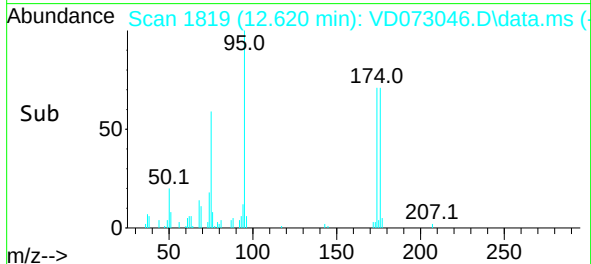
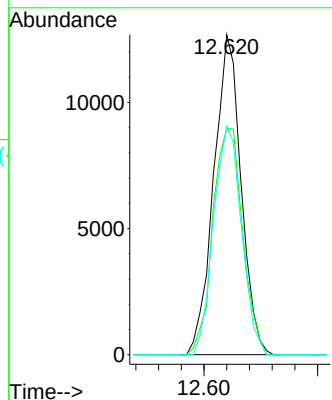
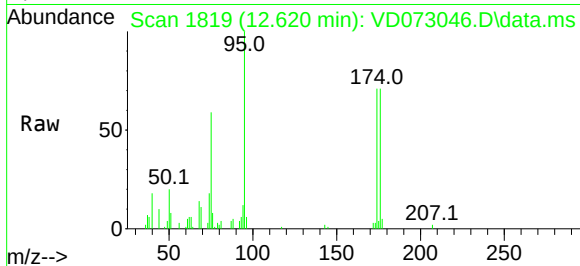




#62
4-Bromofluorobenzene
Concen: 49.462 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

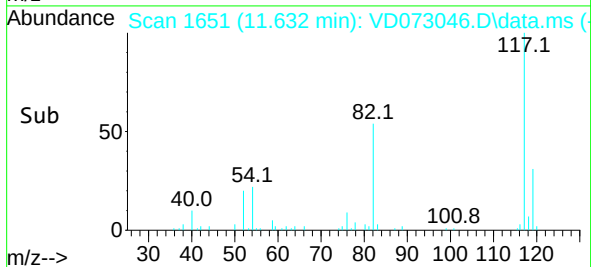
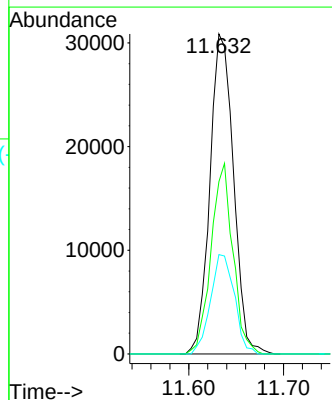
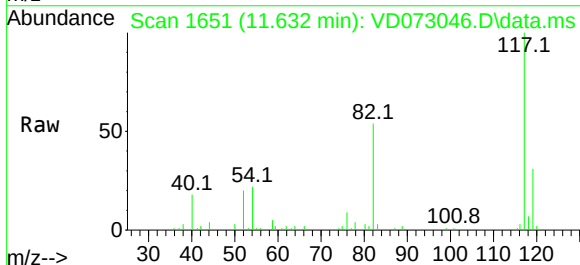
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-01RE

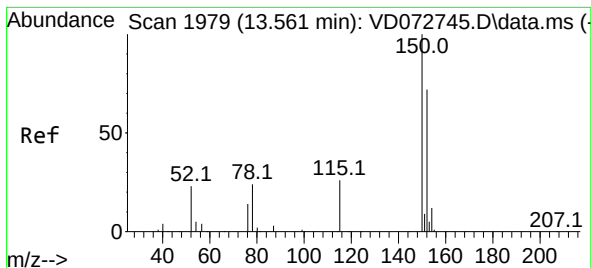
Tgt Ion:	95	Resp:	21170
Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	152.8
176	73.0	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

Tgt Ion:	117	Resp:	53435
Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.3	67.9
119	31.0	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: VD073046.D

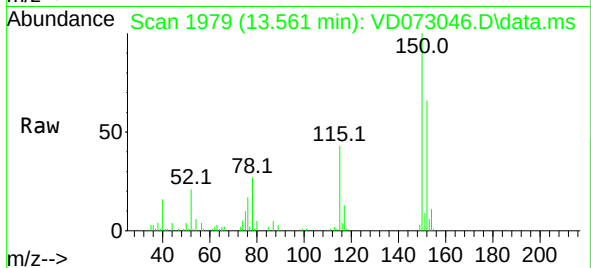
Acq: 16 May 2022 20:33

Instrument :

MSVOA_D

ClientSampleId :

P007-SS002-1824-01RE



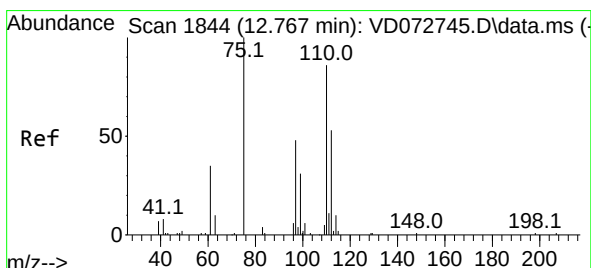
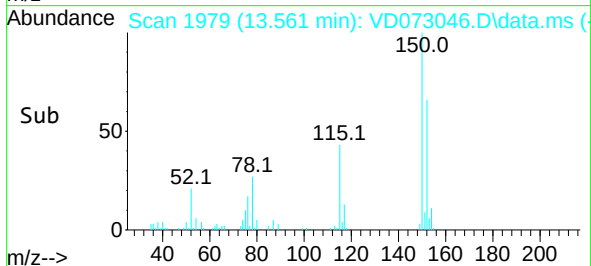
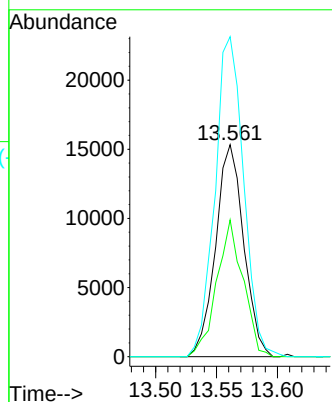
Tgt Ion:152 Resp: 24637

Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 154.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 42.356 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073046.D

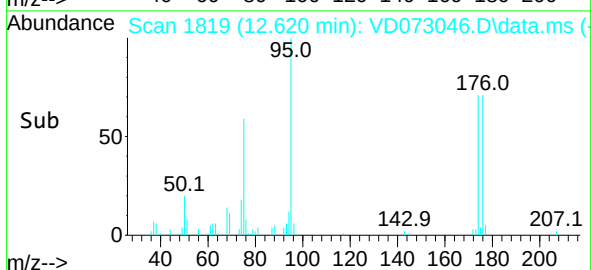
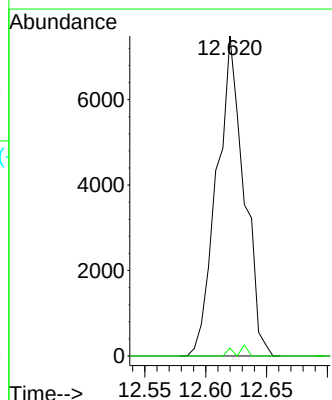
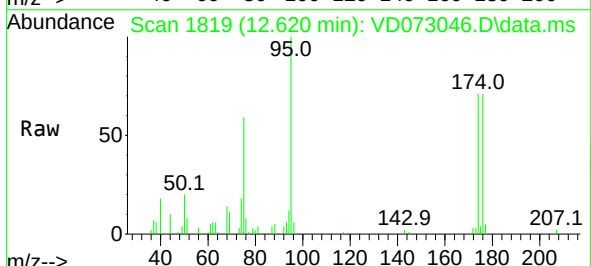
Acq: 16 May 2022 20:33

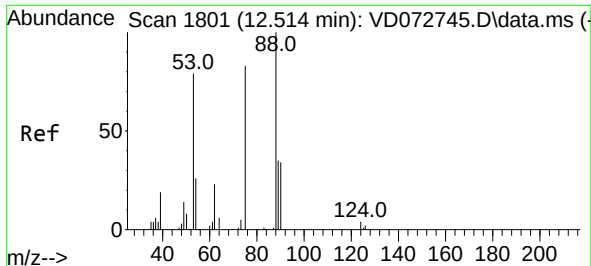
Tgt Ion: 75 Resp: 11636

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#

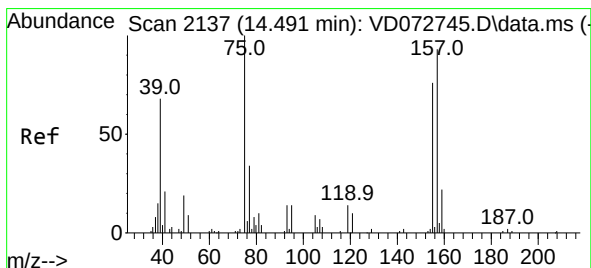
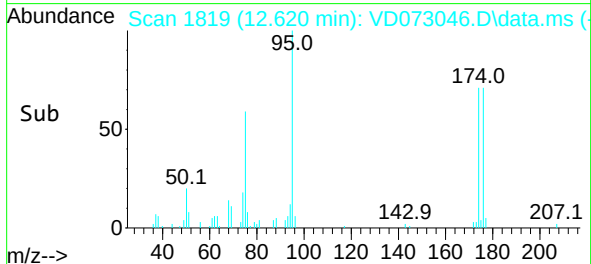
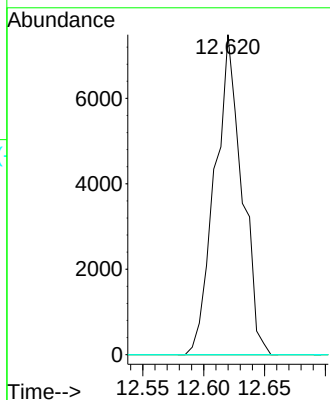
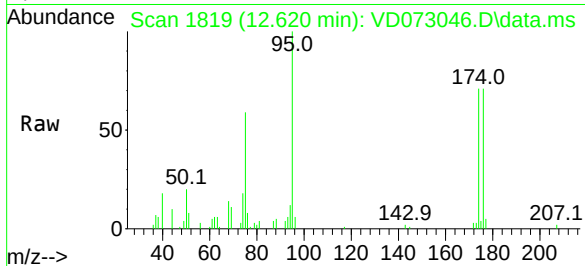




#81
trans-1,4-Dichloro-2-butene
Concen: 97.402 ug/l
RT: 12.620 min Scan# 11636
Delta R.T. 0.106 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-1824-01RE

Tgt Ion: 75 Resp: 11636
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.141 ug/l
RT: 14.285 min Scan# 2102
Delta R.T. -0.206 min
Lab File: VD073046.D
Acq: 16 May 2022 20:33

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#

