

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073102.D
 Acq On : 18 May 2022 16:42
 Operator : VA/SY
 Sample : N2832-03
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB21

Quant Time: May 19 04:45:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

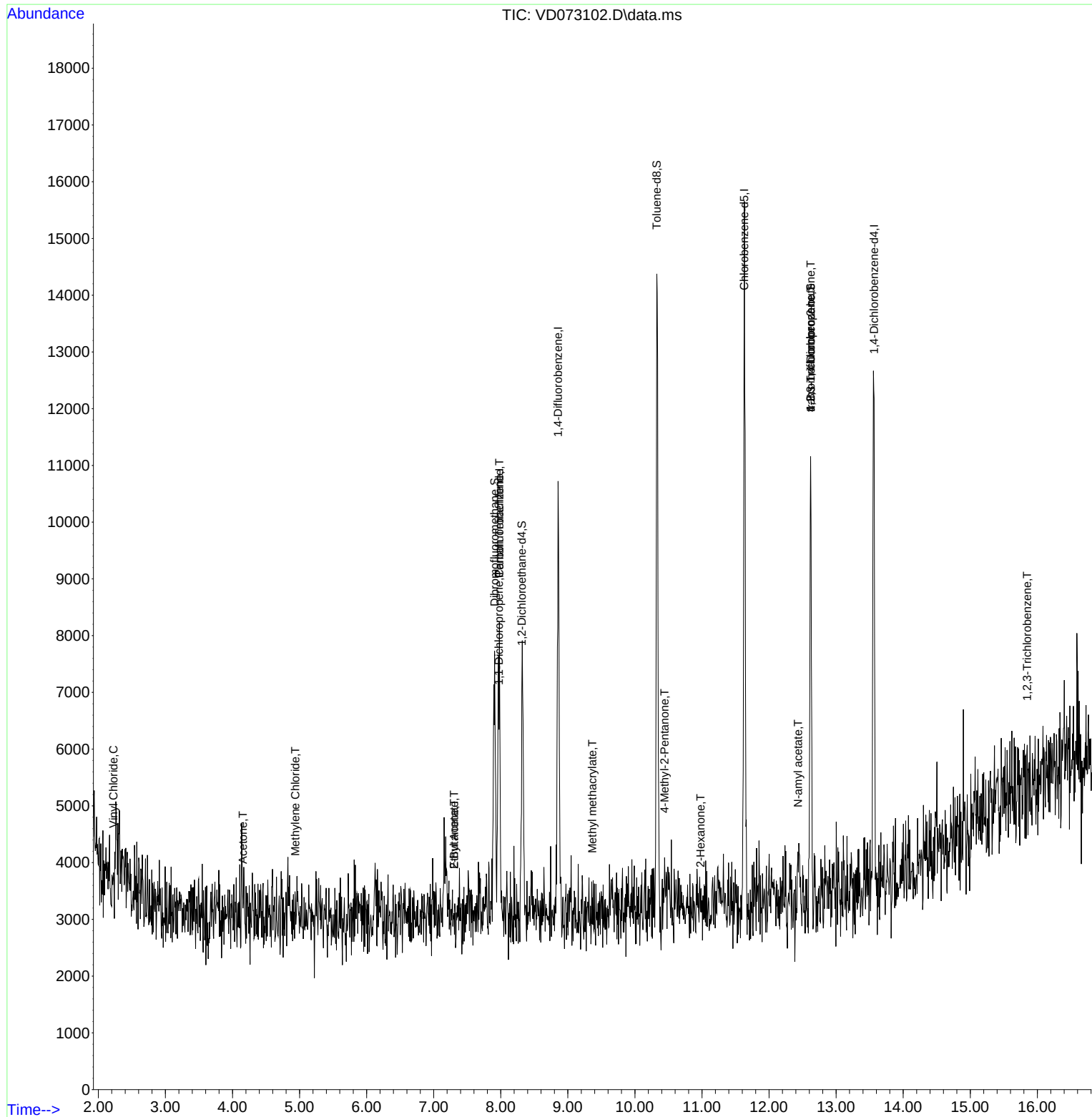
Internal Standards						
1) Pentafluorobenzene	7.979	168	4487	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	7436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	6980	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	2650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	3539	63.069	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	126.140%	
35) Dibromofluoromethane	7.908	113	3523	67.479	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	134.960%	
50) Toluene-d8	10.326	98	8479	44.767	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	89.540%	
62) 4-Bromofluorobenzene	12.620	95	2733	39.839	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	79.680%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.226	62	54	1.015	ug/l	# 43
16) Acetone	4.156	43	710	69.920	ug/l	# 47
20) Methylene Chloride	4.938	84	198	2.687	ug/l	# 59
25) 2-Butanone	7.303	43	78	5.073	ug/l	# 52
36) 1,1-Dichloropropene	7.973	75	223	2.621	ug/l	# 43
37) Ethyl Acetate	7.303	43	78	2.183	ug/l	# 72
38) Carbon Tetrachloride	7.979	117	333	3.826	ug/l	# 13
48) Methyl methacrylate	9.367	41	59	1.791	ug/l	# 19
51) 4-Methyl-2-Pentanone	10.444	43	291	8.395	ug/l	# 39
59) 2-Hexanone	10.979	43	54	2.358	ug/l	# 27
74) N-amyl acetate	12.432	43	118	2.514	ug/l	# 45
76) 1,2,3-Trichloropropane	12.620	75	1220	40.726	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	1220	97.651	ug/l	# 7
96) 1,2,3-Trichlorobenzene	15.849	180	66	1.525	ug/l	# 12

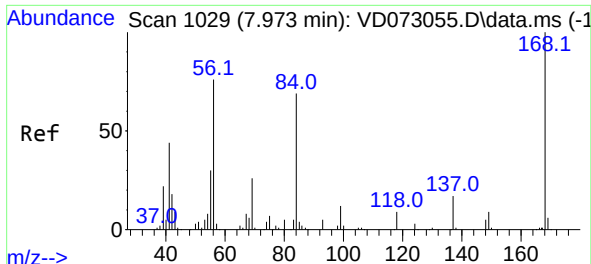
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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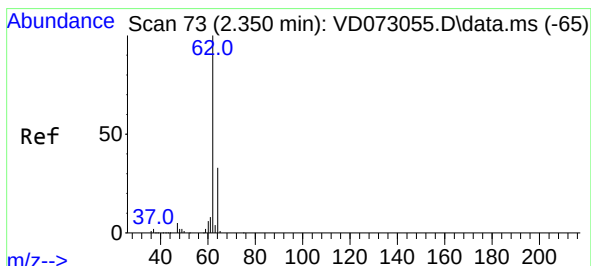
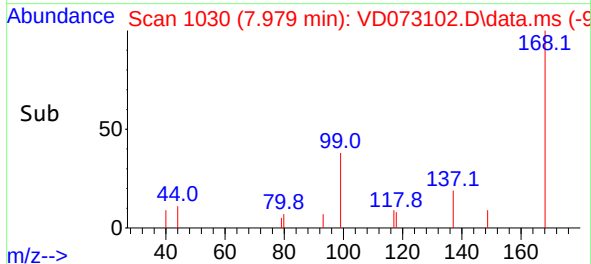
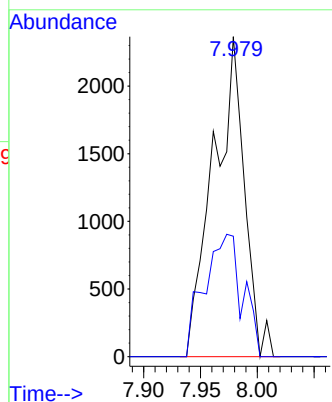
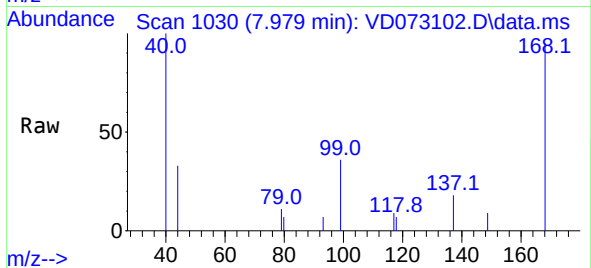




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

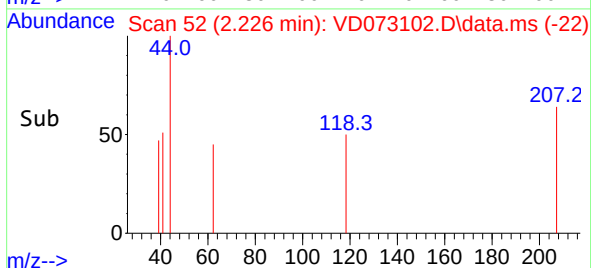
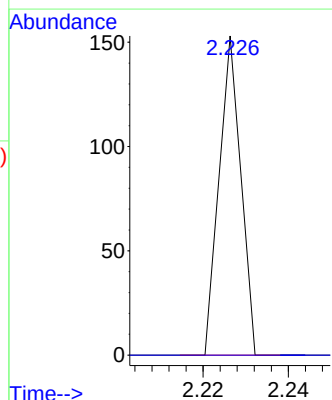
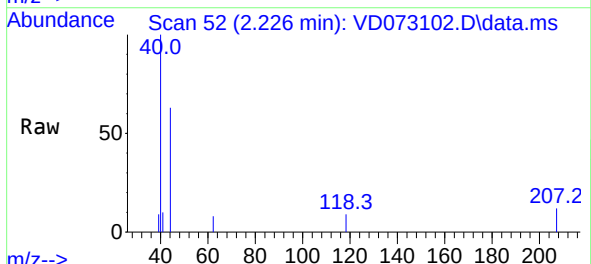
Instrument :
MSVOA_D
ClientSampleId :
SB21

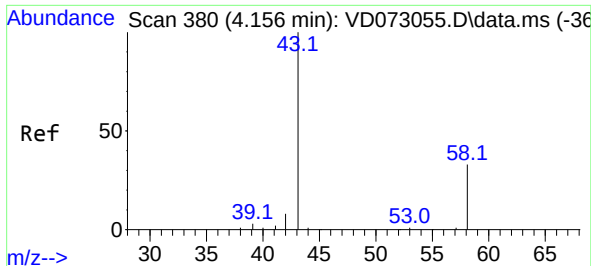
Tgt Ion:168 Resp: 4487
Ion Ratio Lower Upper
168 100
99 37.7 49.8 74.6#



#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 2.226 min Scan# 52
Delta R.T. -0.124 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion: 62 Resp: 54
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

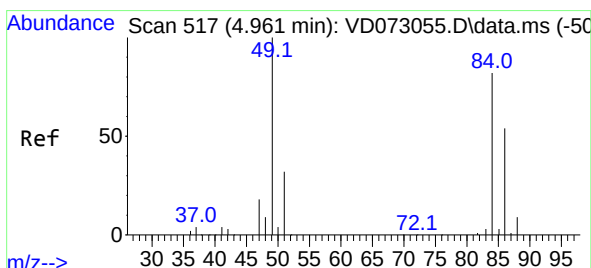
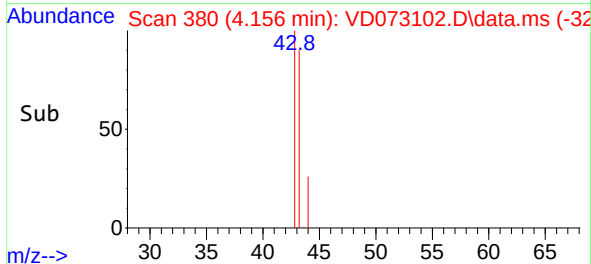
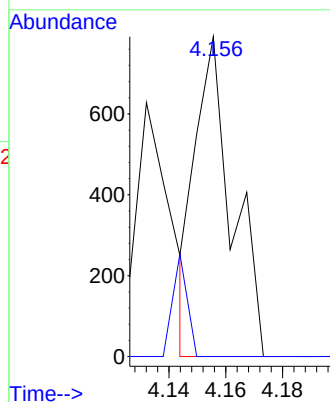
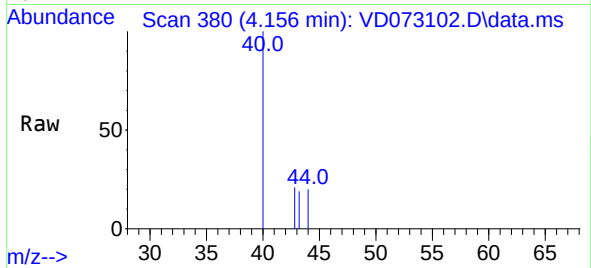




#16
Acetone
Concen: 69.920 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

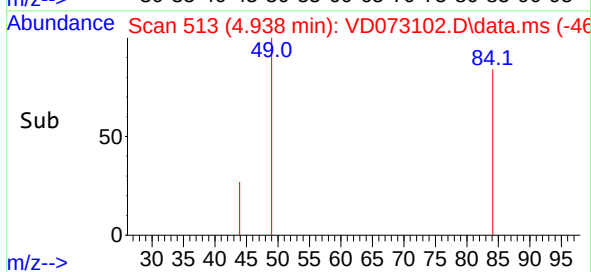
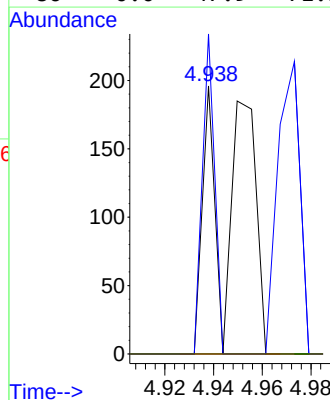
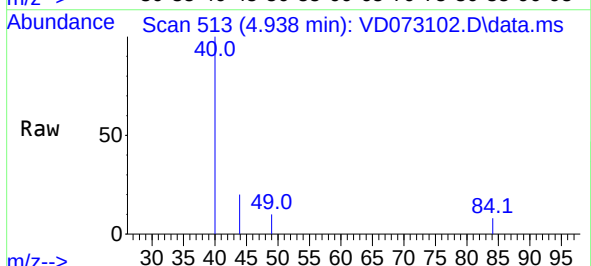
Instrument :
MSVOA_D
ClientSampleId :
SB21

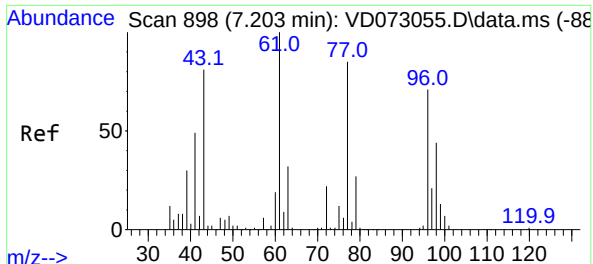
Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 2.687 ug/l
RT: 4.938 min Scan# 513
Delta R.T. -0.024 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion: 84 Resp: 198
Ion Ratio Lower Upper
84 100
49 119.4 112.8 169.2
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#





#25

2-Butanone

Concen: 5.073 ug/l

RT: 7.303 min Scan# 91

Delta R.T. 0.100 min

Lab File: VD073102.D

Acq: 18 May 2022 16:42

Instrument :

MSVOA_D

ClientSampleId :

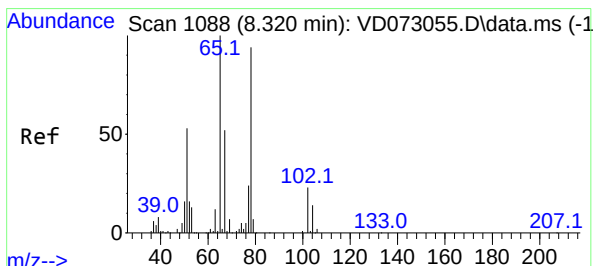
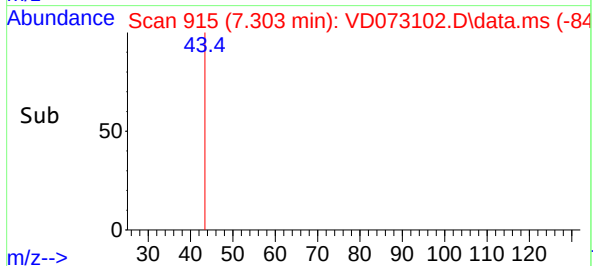
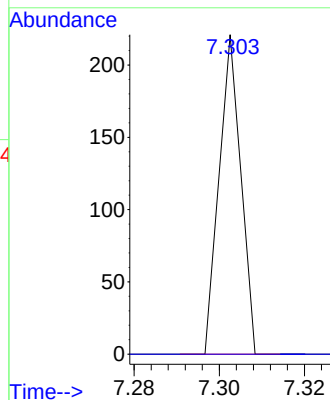
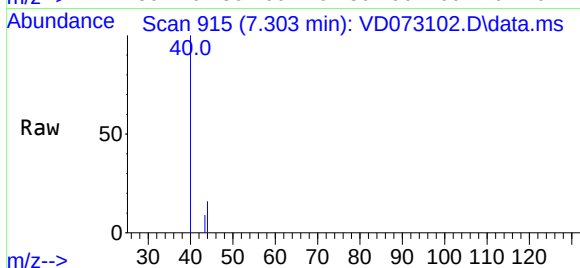
SB21

Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#33

1,2-Dichloroethane-d4

Concen: 63.069 ug/l

RT: 8.314 min Scan# 1087

Delta R.T. -0.006 min

Lab File: VD073102.D

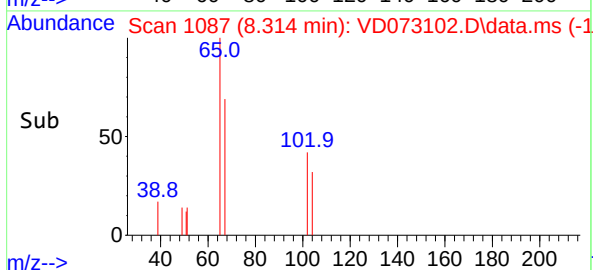
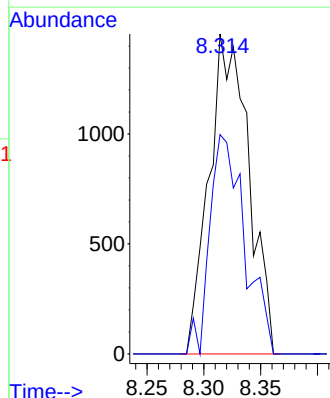
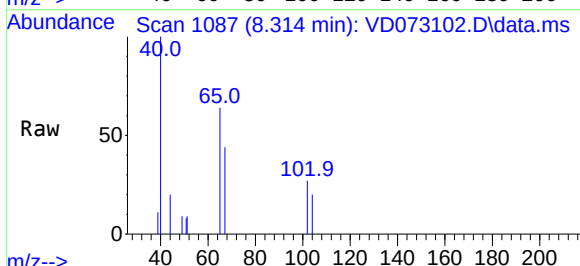
Acq: 18 May 2022 16:42

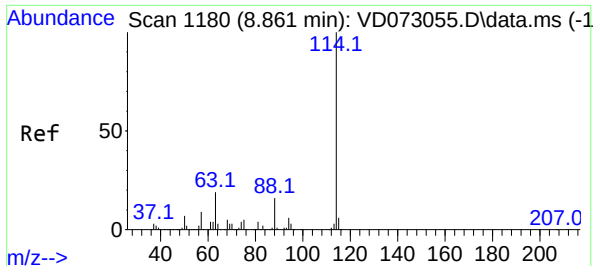
Tgt Ion: 65 Resp: 3539

Ion Ratio Lower Upper

65 100

67 60.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073102.D

Acq: 18 May 2022 16:42

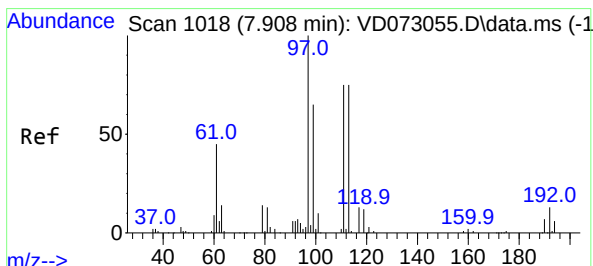
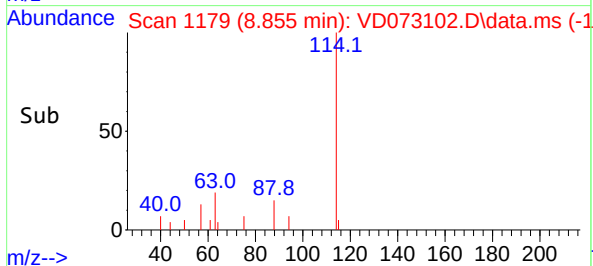
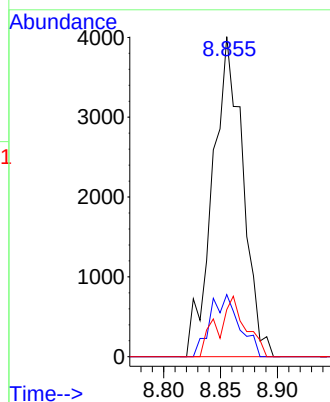
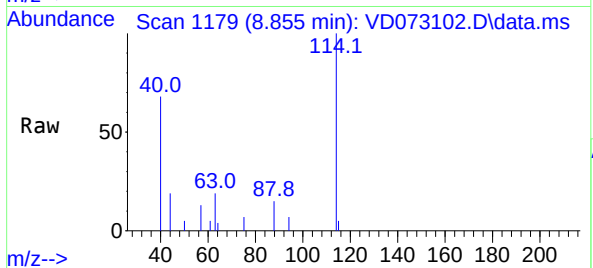
Instrument :

MSVOA_D

ClientSampleId :

SB21

Tgt Ion:114	Resp:	7436
Ion	Ratio	Lower Upper
114	100	
63	19.4	0.0 46.6
88	14.7	0.0 33.2



#35

Dibromofluoromethane

Concen: 67.479 ug/l

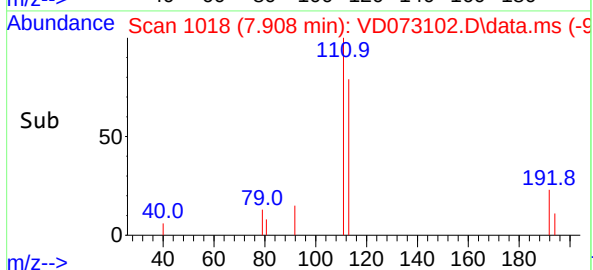
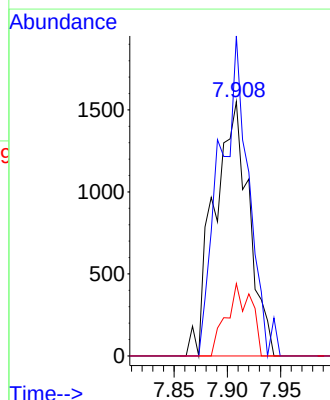
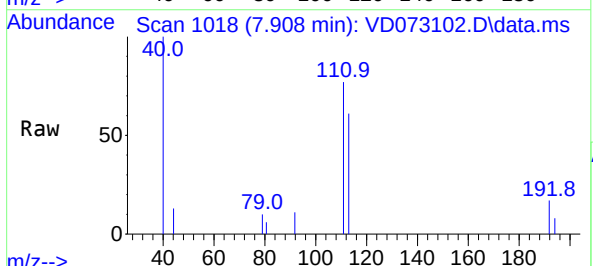
RT: 7.908 min Scan# 1018

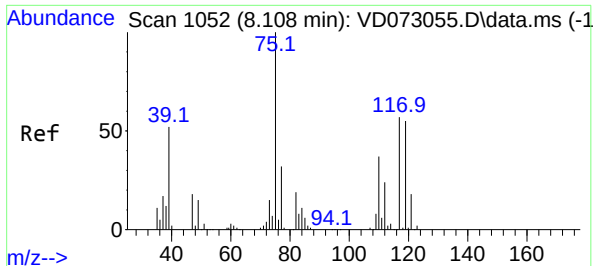
Delta R.T. -0.000 min

Lab File: VD073102.D

Acq: 18 May 2022 16:42

Tgt Ion:113	Resp:	3523
Ion	Ratio	Lower Upper
113	100	
111	105.1	83.8 125.6
192	20.2	14.6 21.8





#36

1,1-Dichloropropene

Concen: 2.621 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073102.D

Acq: 18 May 2022 16:42

Instrument :

MSVOA_D

ClientSampleId :

SB21

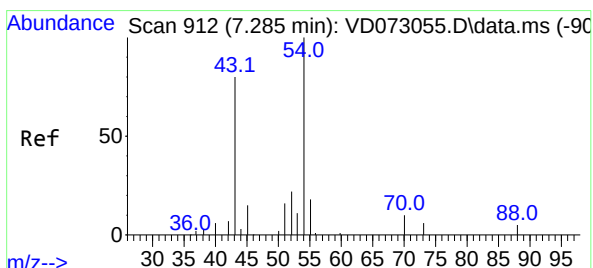
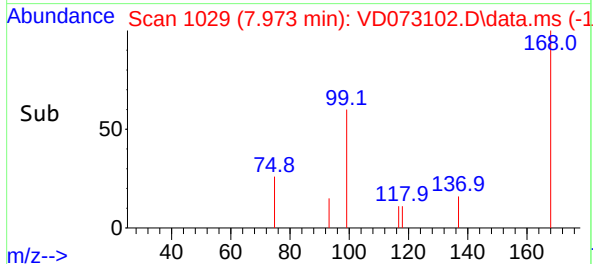
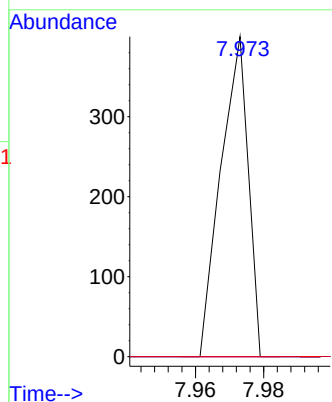
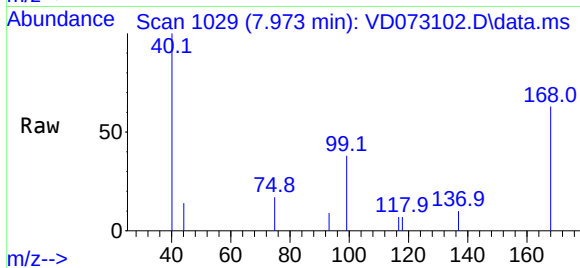
Tgt Ion: 75 Resp: 223

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 2.183 ug/l

RT: 7.303 min Scan# 915

Delta R.T. 0.018 min

Lab File: VD073102.D

Acq: 18 May 2022 16:42

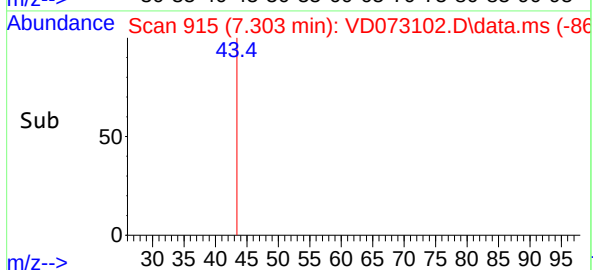
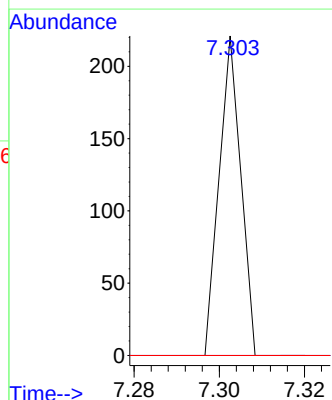
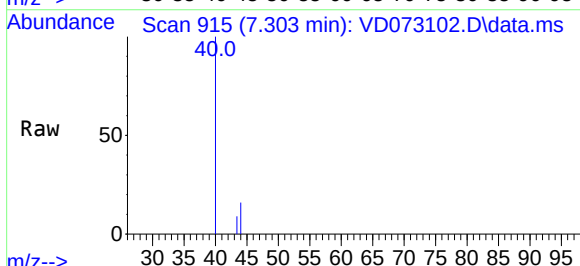
Tgt Ion: 43 Resp: 78

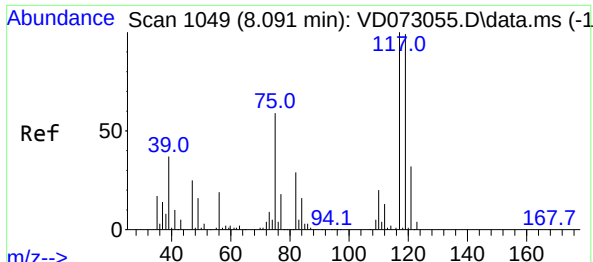
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

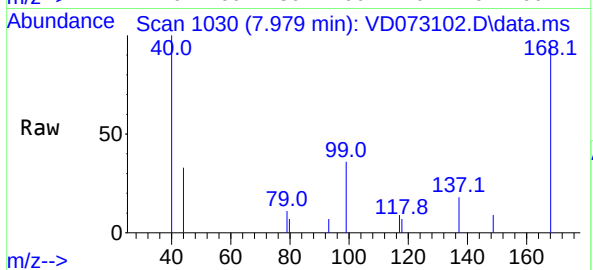
70 0.0 6.9 10.3#



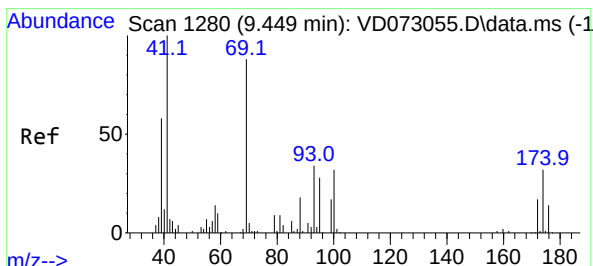
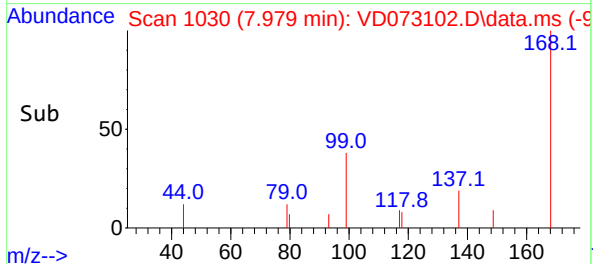
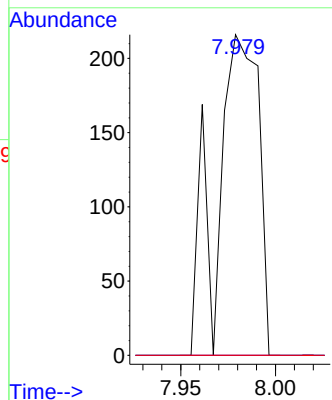


#38
Carbon Tetrachloride
Concen: 3.826 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Instrument :
MSVOA_D
ClientSampleId :
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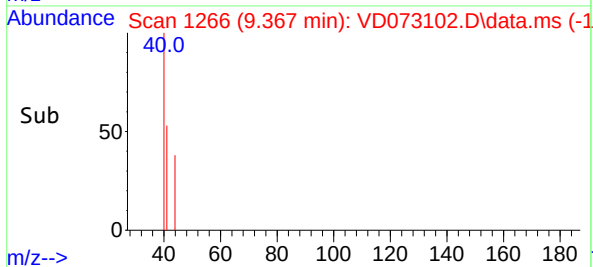
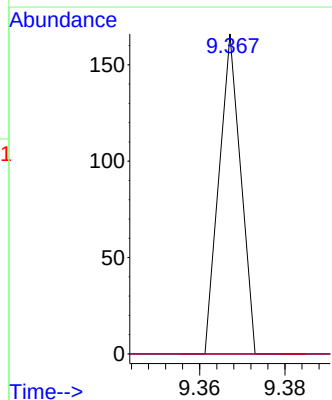
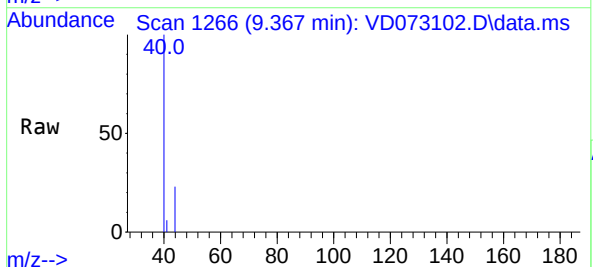


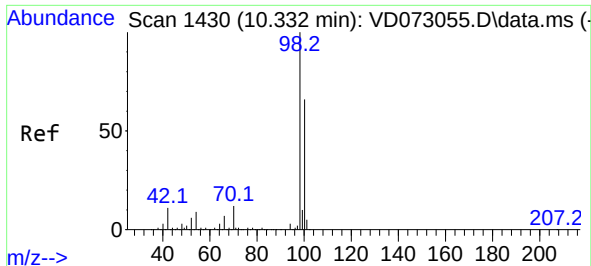
Tgt Ion:117 Resp: 333
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 1.791 ug/l
RT: 9.367 min Scan# 1266
Delta R.T. -0.082 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#

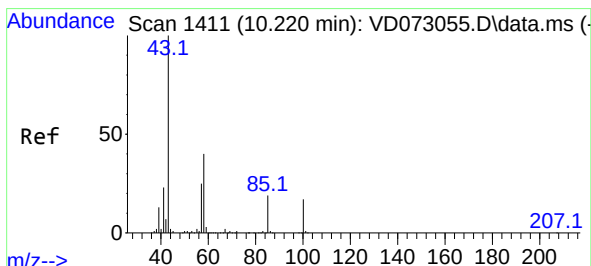
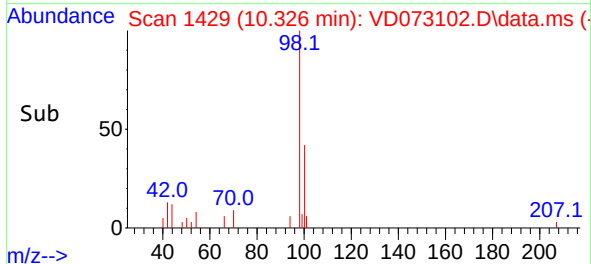
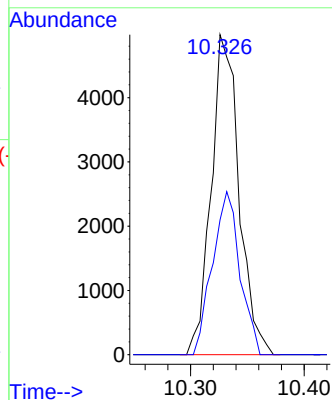
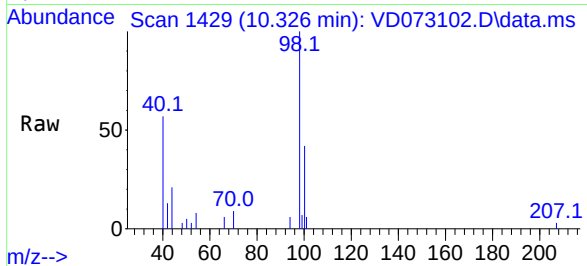




#50
Toluene-d8
Concen: 44.767 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

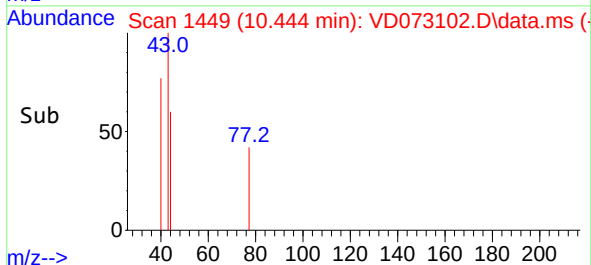
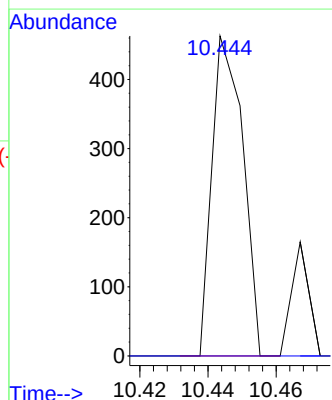
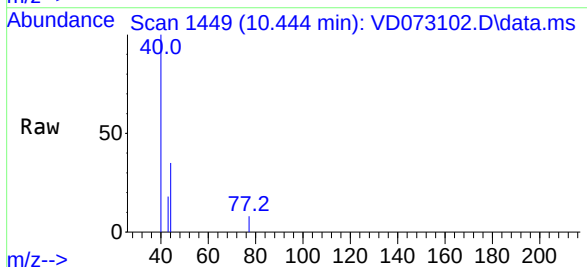
Instrument :
MSVOA_D
ClientSampleId :
SB21

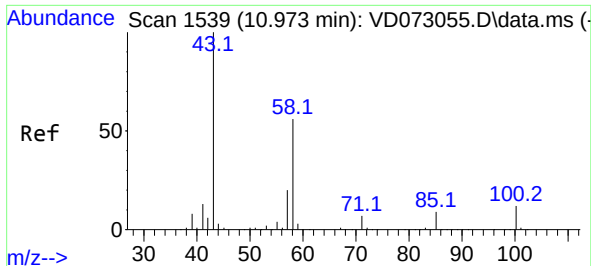
Tgt Ion: 98 Resp: 8479
Ion Ratio Lower Upper
98 100
100 50.3 52.4 78.6#



#51
4-Methyl-2-Pentanone
Concen: 8.395 ug/l
RT: 10.444 min Scan# 1449
Delta R.T. 0.224 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

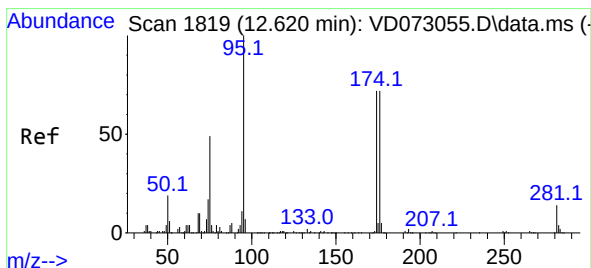
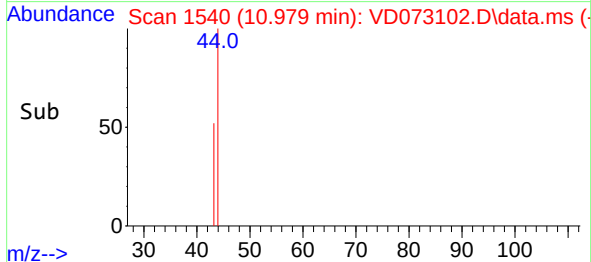
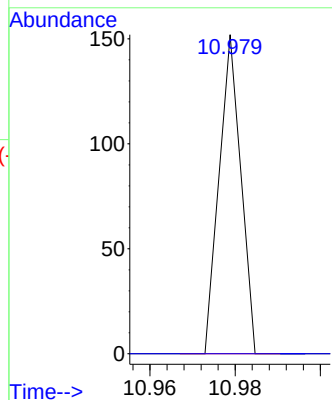
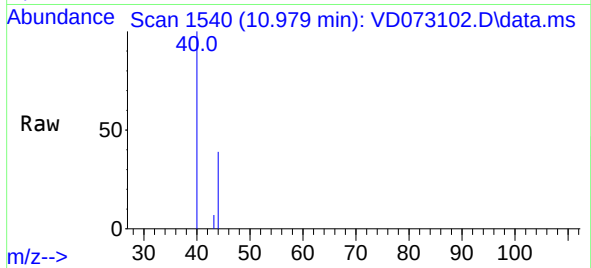




#59
2-Hexanone
Concen: 2.358 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

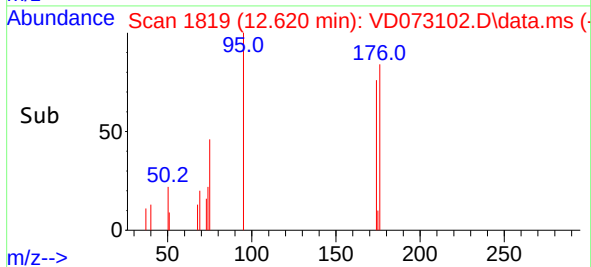
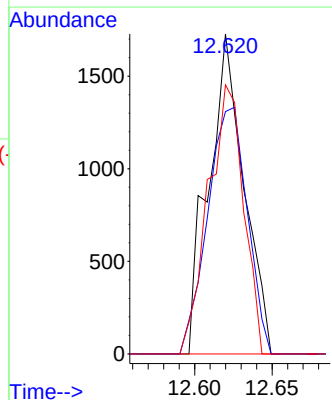
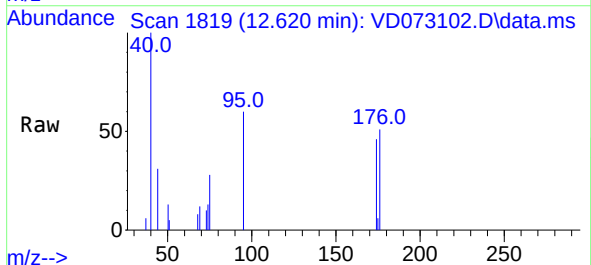
Instrument :
MSVOA_D
ClientSampleId :
SB21

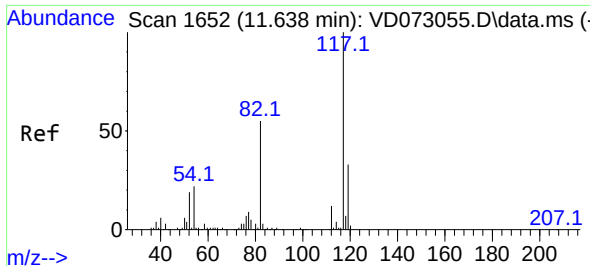
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 39.839 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion: 95 Resp: 2733
Ion Ratio Lower Upper
95 100
174 86.8 0.0 152.8
176 84.1 0.0 145.4

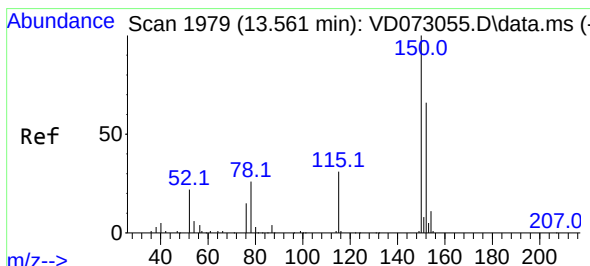
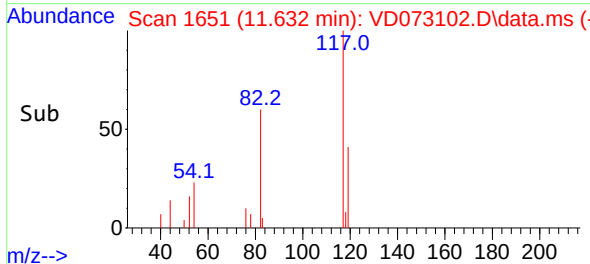
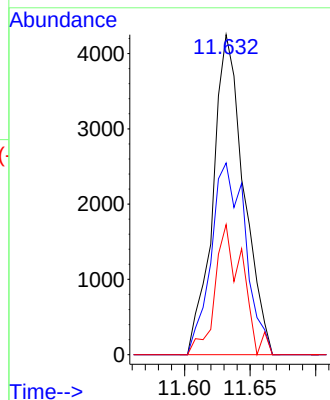
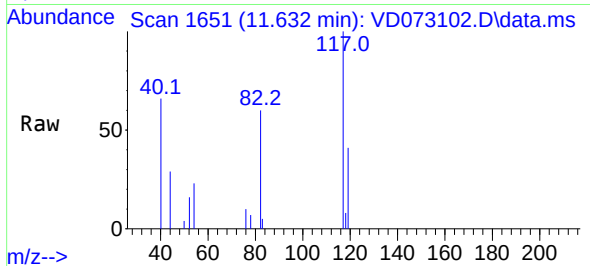




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

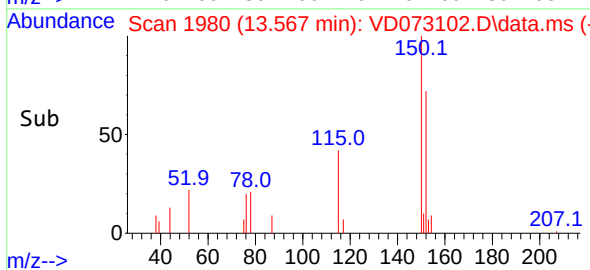
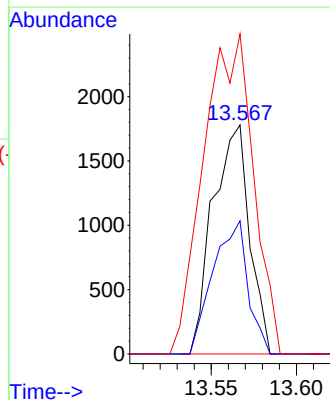
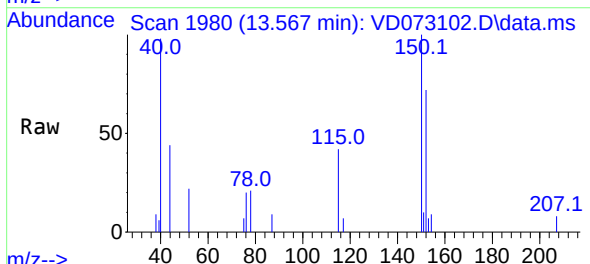
Instrument :
MSVOA_D
ClientSampleId :
SB21

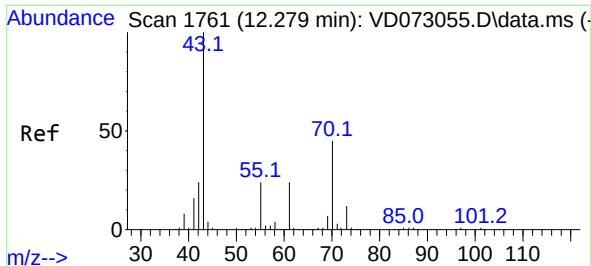
Tgt Ion:117 Resp: 6980
Ion Ratio Lower Upper
117 100
82 59.9 45.3 67.9
119 40.6 26.6 40.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion:152 Resp: 2650
Ion Ratio Lower Upper
152 100
115 55.5 31.3 93.8
150 190.3 0.0 348.6

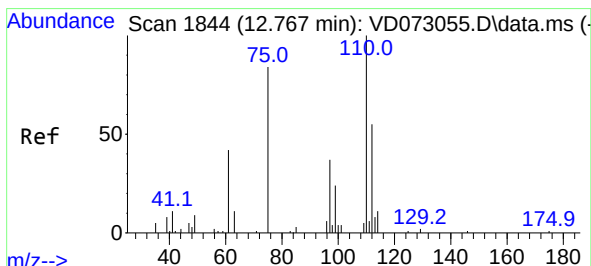
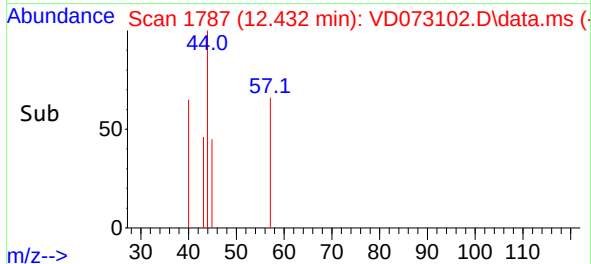
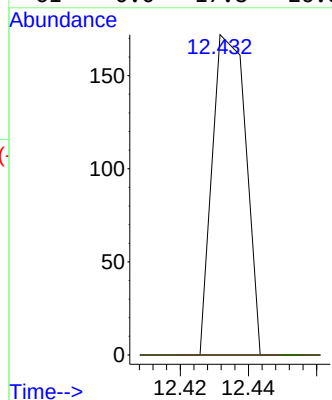
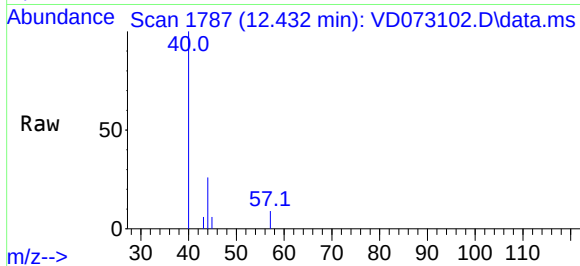




#74
N-amy1 acetate
Concen: 2.514 ug/l
RT: 12.432 min Scan# 118
Delta R.T. 0.153 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

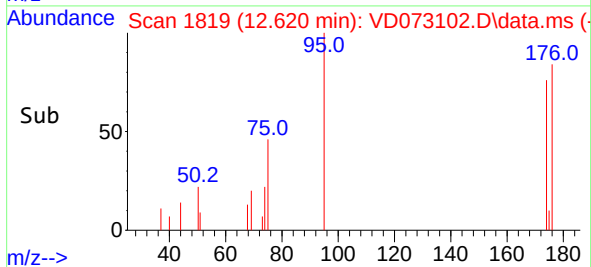
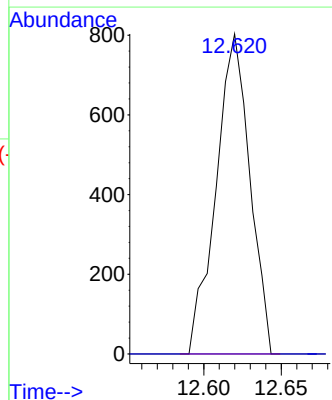
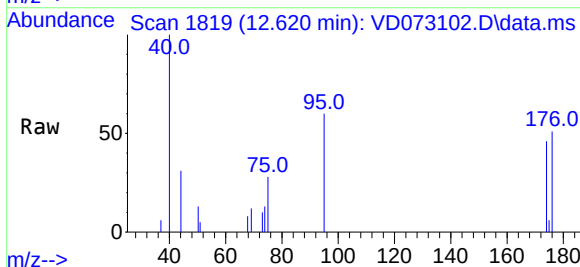
Instrument :
MSVOA_D
ClientSampleId :
SB21

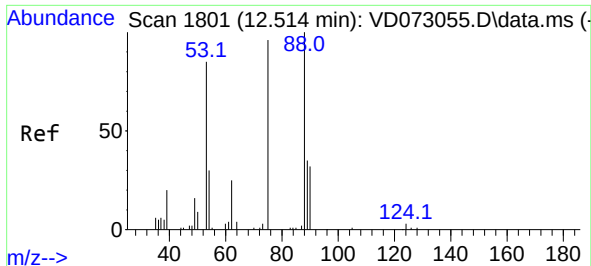
Tgt Ion: 43	Resp: 118
Ion Ratio	Lower Upper
43 100	
70 0.0	31.3 46.9#
55 0.0	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 40.726 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion: 75	Resp: 1220
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

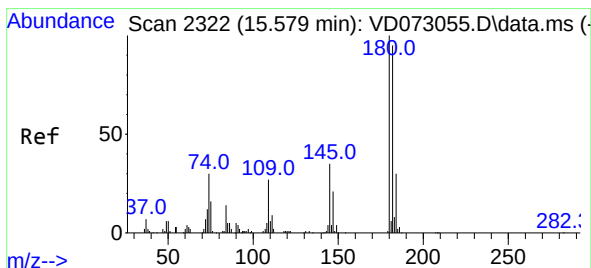
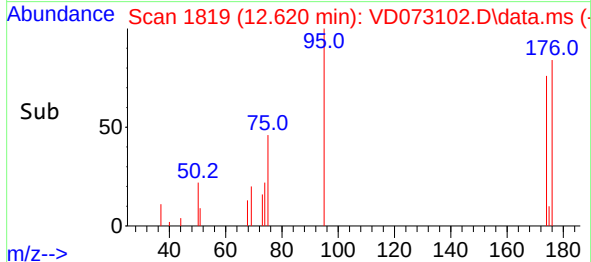
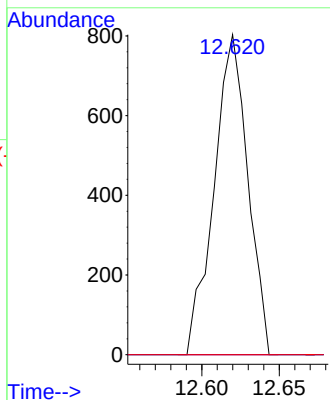
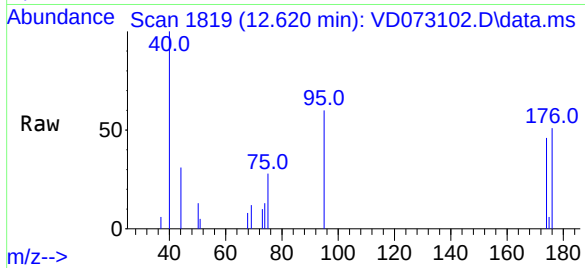




#81
trans-1,4-Dichloro-2-butene
Concen: 97.651 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Instrument :
MSVOA_D
ClientSampleId :
SB21

Tgt Ion: 75 Resp: 1220
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#96
1,2,3-Trichlorobenzene
Concen: 1.525 ug/l
RT: 15.849 min Scan# 2368
Delta R.T. 0.271 min
Lab File: VD073102.D
Acq: 18 May 2022 16:42

Tgt Ion:180 Resp: 66
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 0.0 17.1 51.3#

