

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073024.D
 Acq On : 14 May 2022 08:39
 Operator : VA/SY
 Sample : N2823-10
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-10

Quant Time: May 16 05:22:00 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)

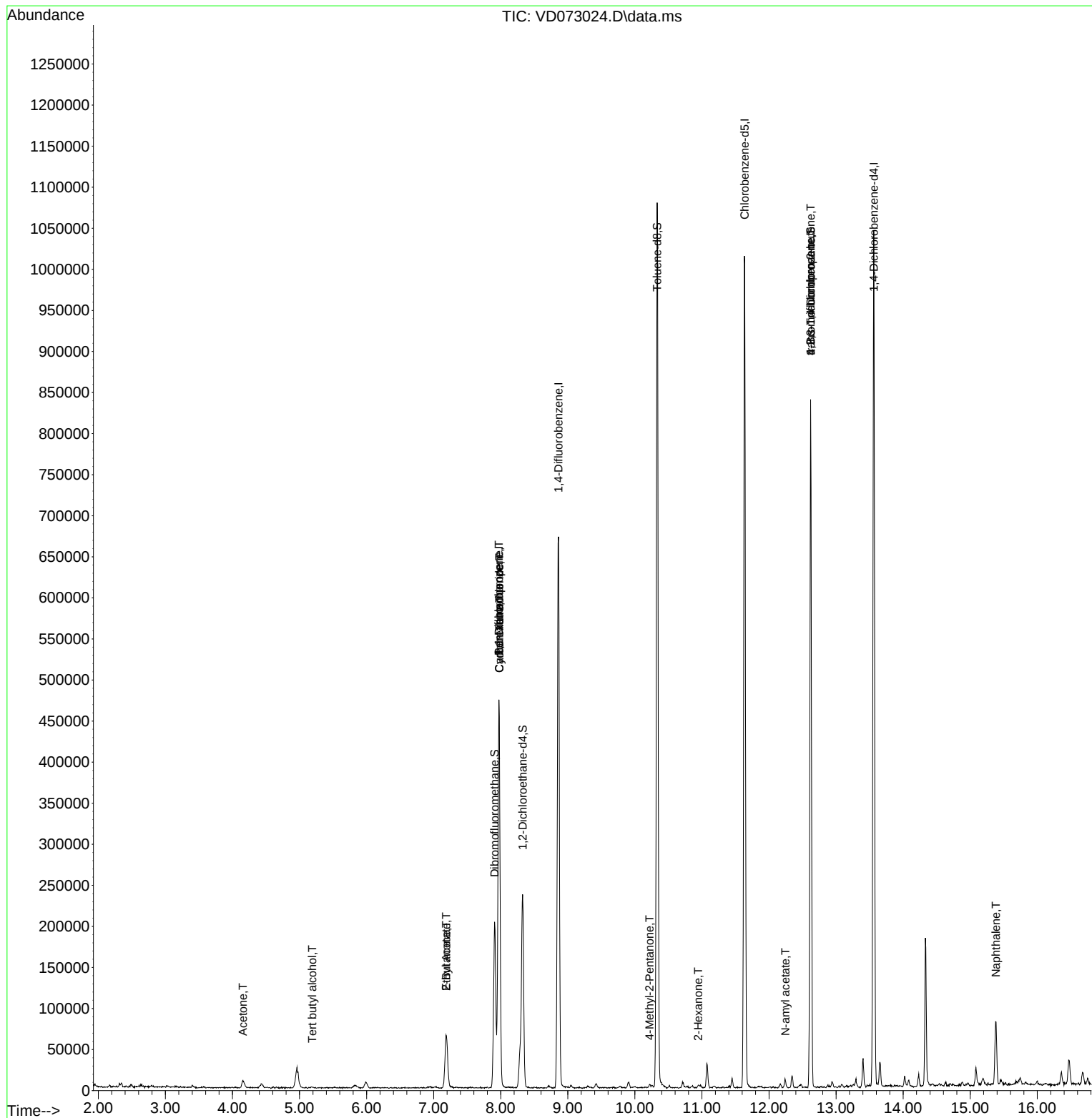
Internal Standards						
1) Pentafluorobenzene	7.973	168	339111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	587684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	593250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	273332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181165	41.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.320%
35) Dibromofluoromethane	7.909	113	144695	35.057	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.120%
50) Toluene-d8	10.332	98	726241	49.053	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.620	95	271404	49.163	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.320%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	806	Below Cal	#	65
11) Tert butyl alcohol	5.191	59	1070	2.809	ug/l #	74
16) Acetone	4.156	43	15318	4.924	ug/l #	64
18) Methyl Acetate	4.656	43	55	Below Cal	#	55
20) Methylene Chloride	4.962	84	17880	Below Cal		87
25) 2-Butanone	7.185	43	5618	4.380	ug/l #	80
31) Cyclohexane	7.979	56	7828	1.017	ug/l #	11
36) 1,1-Dichloropropene	7.973	75	29245	4.358	ug/l #	51
37) Ethyl Acetate	7.185	43	5618	1.821	ug/l #	24
38) Carbon Tetrachloride	7.979	117	36040	5.173	ug/l #	15
51) 4-Methyl-2-Pentanone	10.220	43	3160	1.068	ug/l	92
59) 2-Hexanone	10.944	43	2485	1.248	ug/l #	27
74) N-amyl acetate	12.244	43	6310	1.191	ug/l #	50
76) 1,2,3-Trichloropropane	12.620	75	139154	45.657	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	139154	104.992	ug/l #	7
95) Naphthalene	15.385	128	71159	7.371	ug/l	99

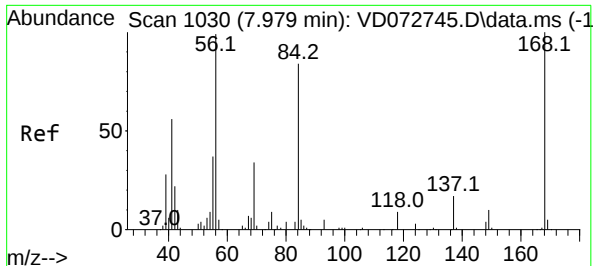
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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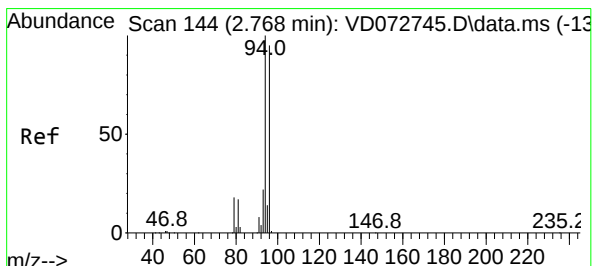
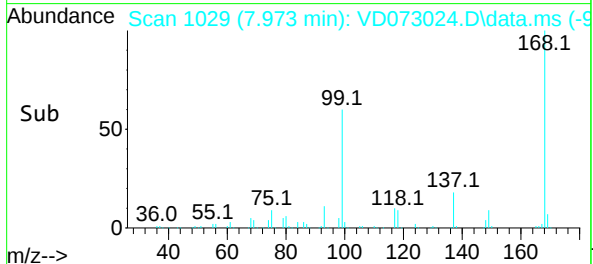
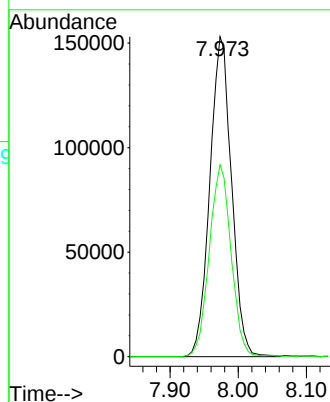
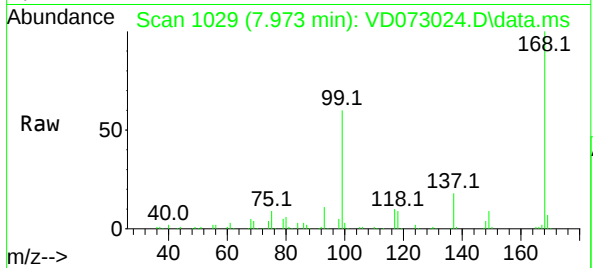




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

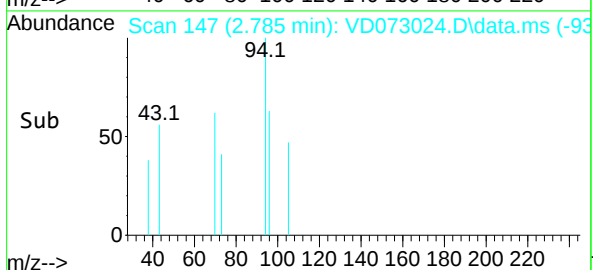
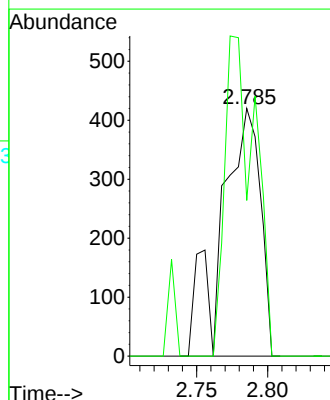
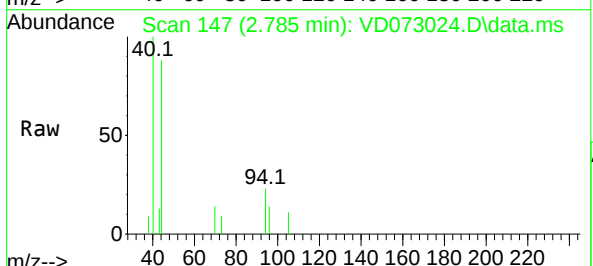
Instrument :
MSVOA_D
ClientSampleId :
SC-10

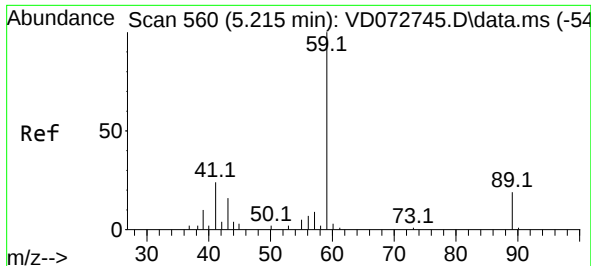
Tgt Ion:168 Resp: 339111
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion: 94 Resp: 806
Ion Ratio Lower Upper
94 100
96 62.9 77.6 116.4#

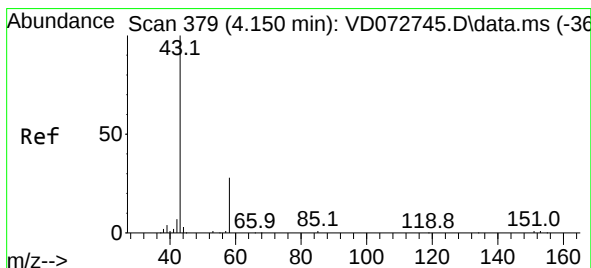
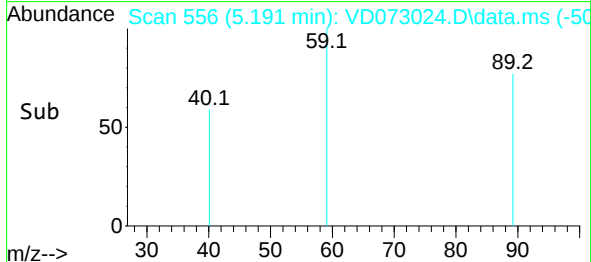
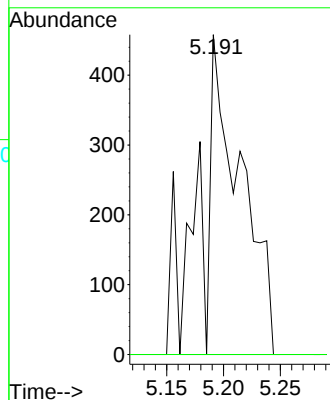
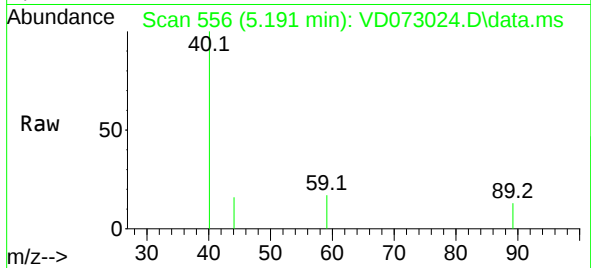




#11
Tert butyl alcohol
Concen: 2.809 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

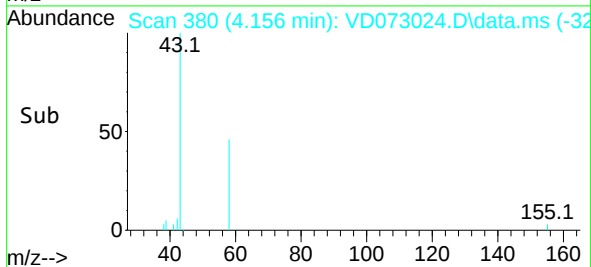
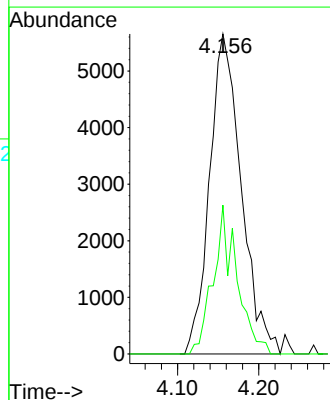
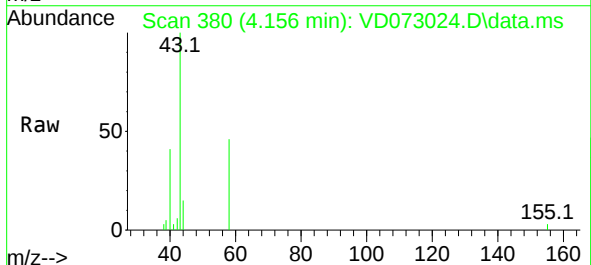
Instrument :
MSVOA_D
ClientSampleId :
SC-10

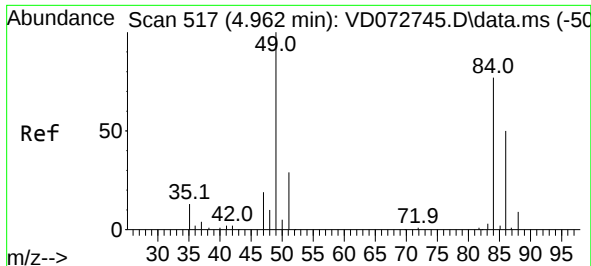
Tgt Ion: 59 Resp: 1070
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 4.924 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion: 43 Resp: 15318
Ion Ratio Lower Upper
43 100
58 46.5 22.1 33.1#



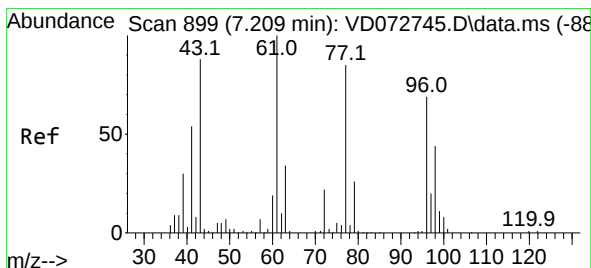
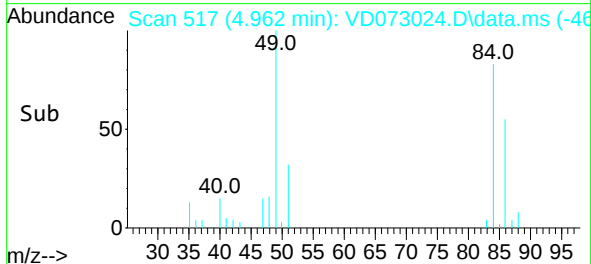
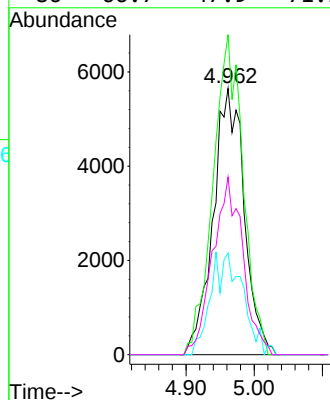
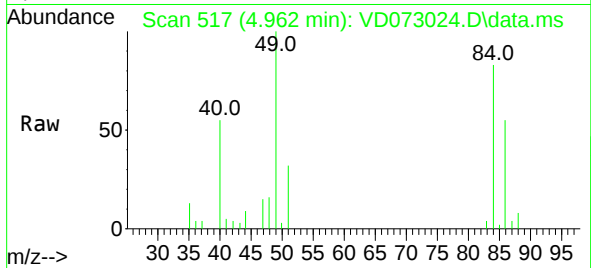


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Instrument :
MSVOA_D
ClientSampleId :
SC-10

Tgt Ion: 84 Resp: 17880

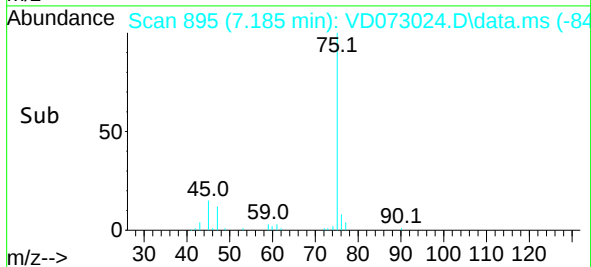
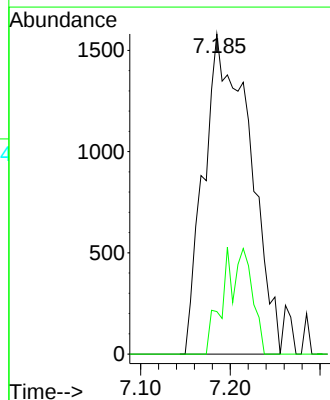
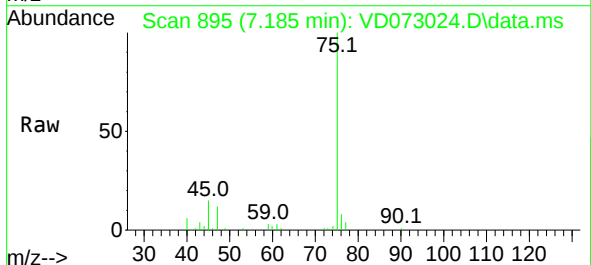
Ion	Ratio	Lower	Upper
84	100		
49	120.2	112.8	169.2
51	38.2	32.6	48.8
86	66.7	47.9	71.9

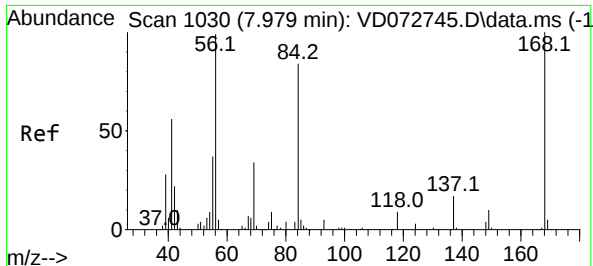


#25
2-Butanone
Concen: 4.380 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion: 43 Resp: 5618

Ion	Ratio	Lower	Upper
43	100		
72	13.3	18.6	27.8#

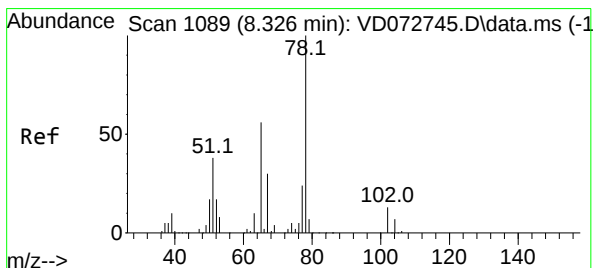
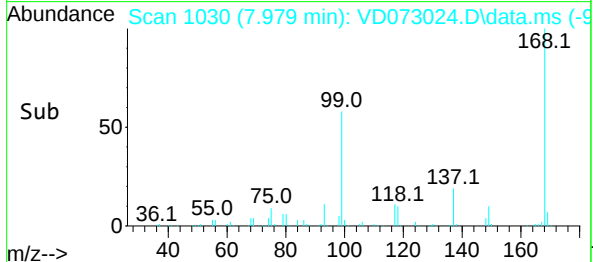
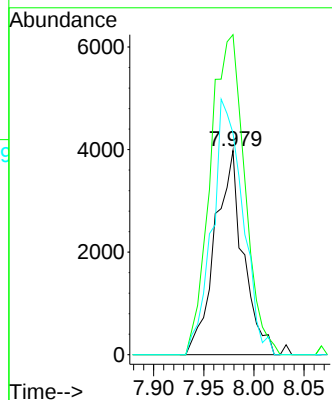
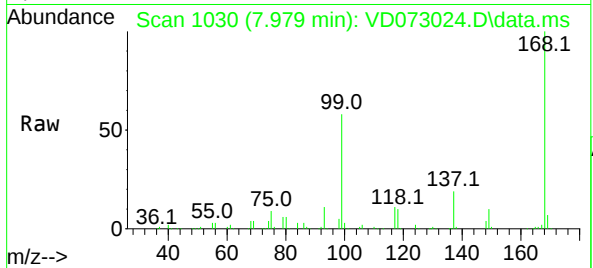




#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

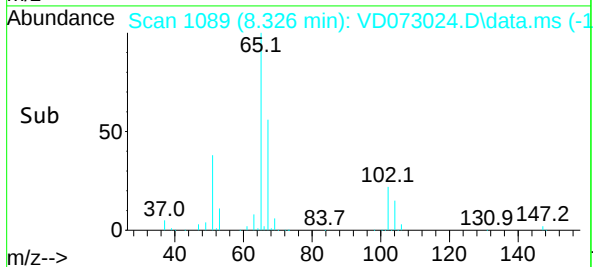
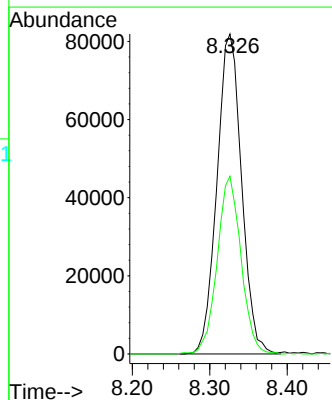
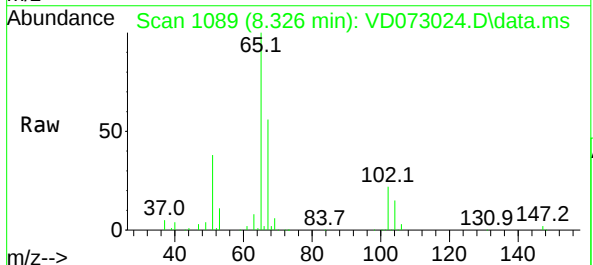
Instrument :
MSVOA_D
ClientSampleId :
SC-10

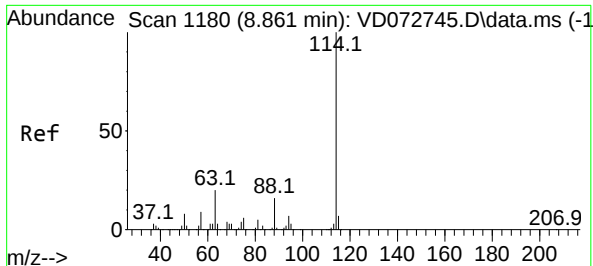
Tgt Ion: 56 Resp: 7828
Ion Ratio Lower Upper
56 100
69 156.7 25.4 38.2#
84 108.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.156 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion: 65 Resp: 181165
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.4

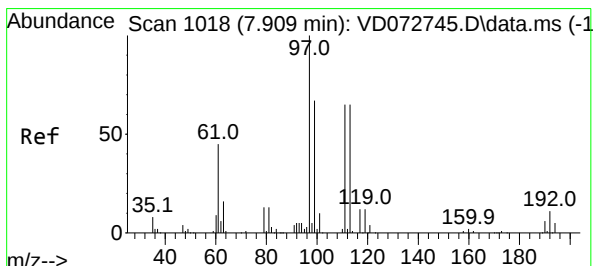
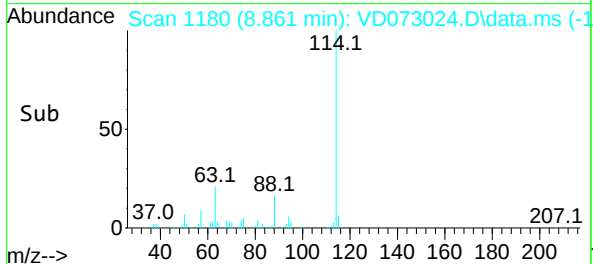
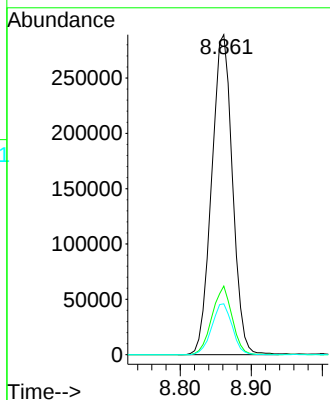
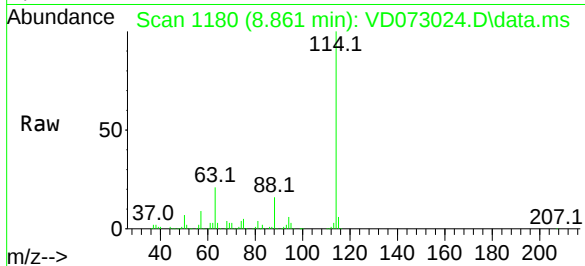




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

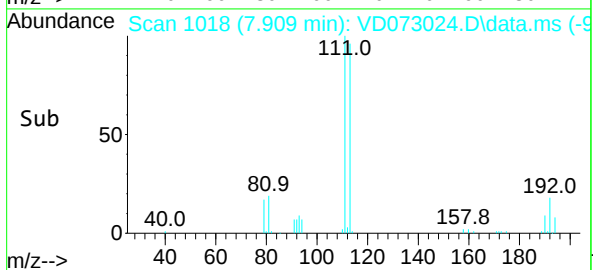
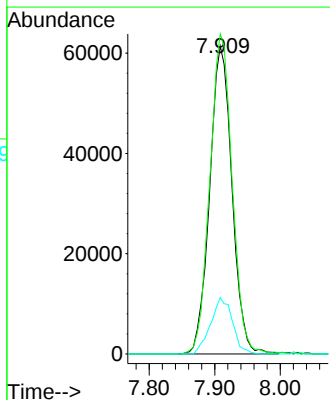
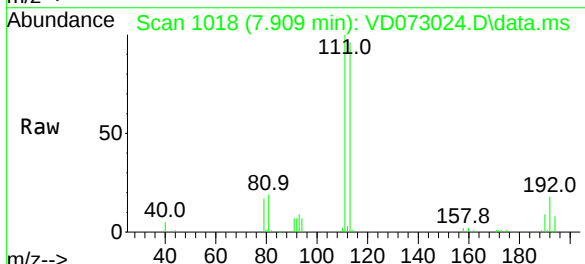
Instrument :
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SC-10

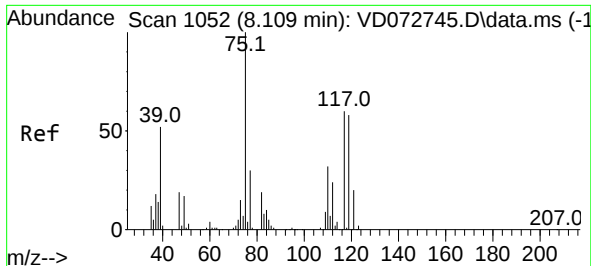
Tgt Ion:114	Resp: 587684
Ion Ratio	Lower Upper
114 100	
63 21.4	0.0 46.6
88 15.9	0.0 33.2



#35
Dibromofluoromethane
Concen: 35.057 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion:113	Resp:	144695	
Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.8	125.6
192	18.0	14.6	21.8





#36

1,1-Dichloropropene

Concen: 4.358 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD073024.D

Acq: 14 May 2022 08:39

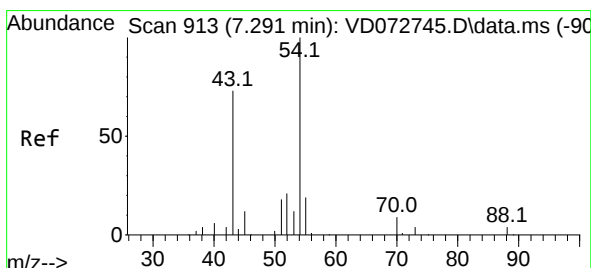
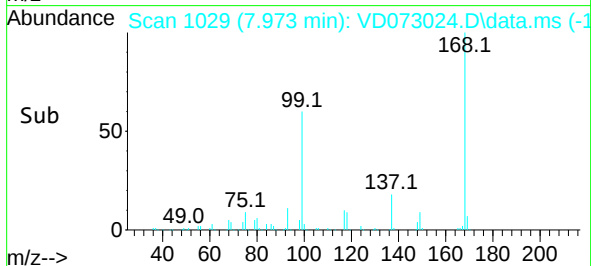
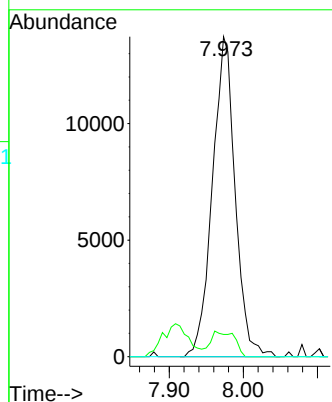
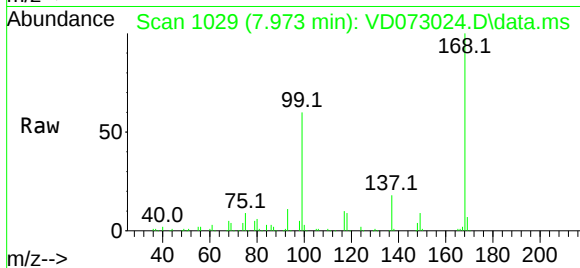
Instrument :

MSVOA_D

ClientSampleId :

SC-10

Tgt Ion:	75	Resp:	29245
Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 1.821 ug/l

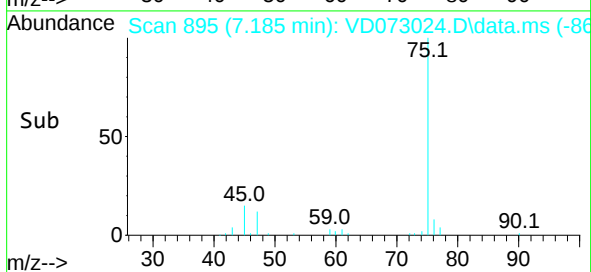
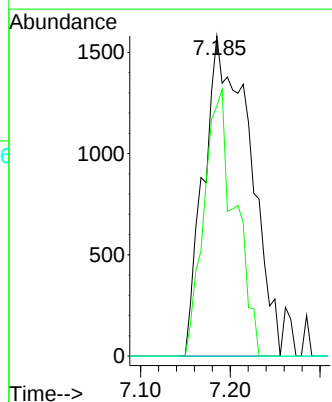
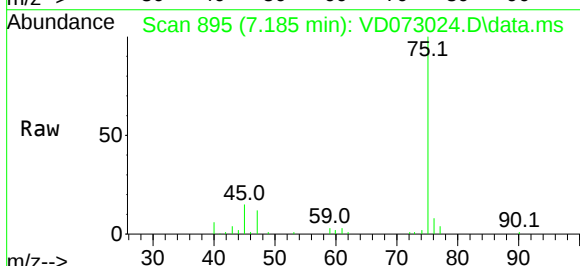
RT: 7.185 min Scan# 895

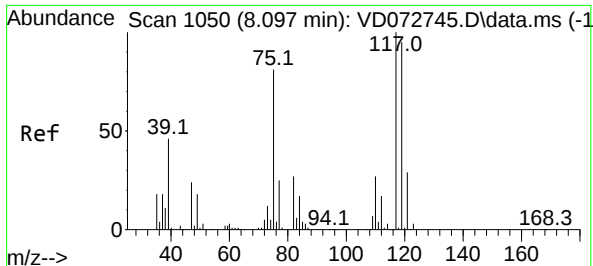
Delta R.T. -0.106 min

Lab File: VD073024.D

Acq: 14 May 2022 08:39

Tgt Ion:	43	Resp:	5618
Ion	Ratio	Lower	Upper
43	100		
61	56.6	9.8	14.8#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 5.173 ug/l

RT: 7.979 min Scan# 1050

Delta R.T. -0.118 min

Lab File: VD073024.D

Acq: 14 May 2022 08:39

Instrument :

MSVOA_D

ClientSampleId :

SC-10

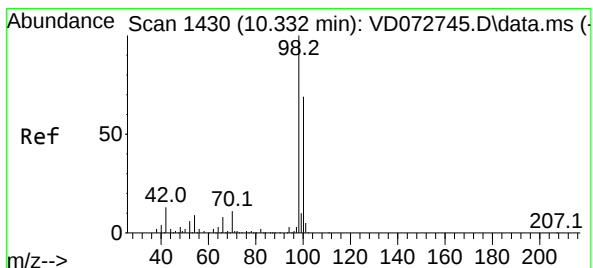
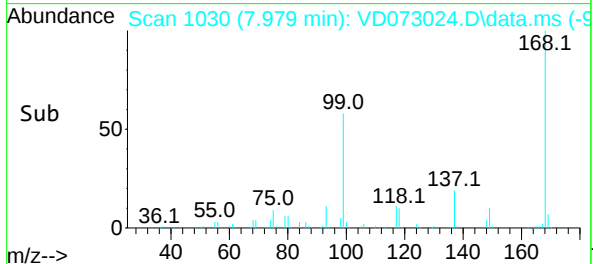
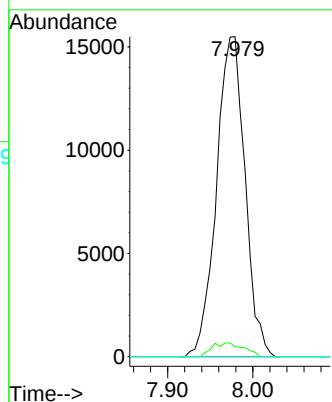
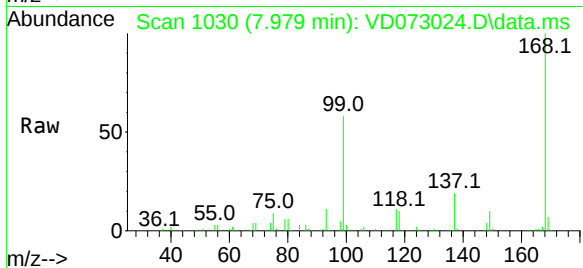
Tgt Ion:117 Resp: 36040

Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 49.053 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073024.D

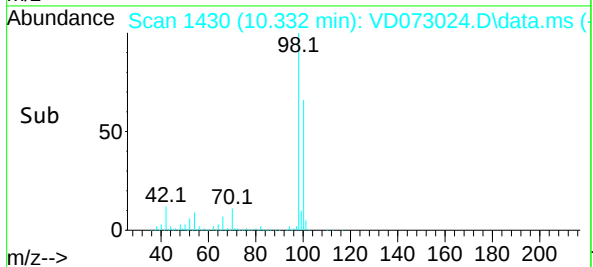
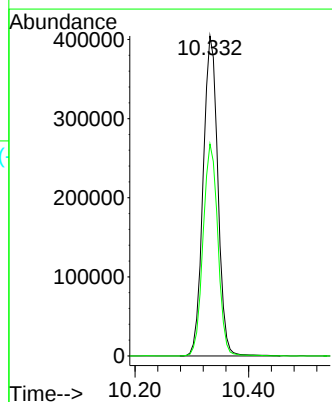
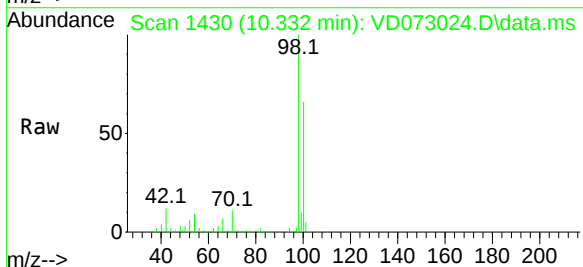
Acq: 14 May 2022 08:39

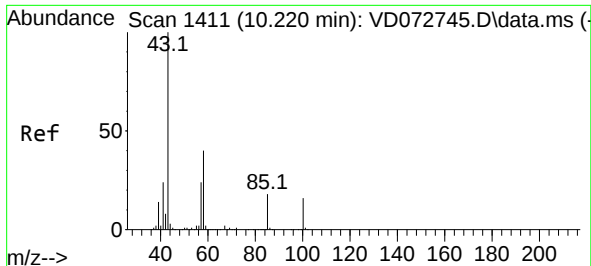
Tgt Ion: 98 Resp: 726241

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6

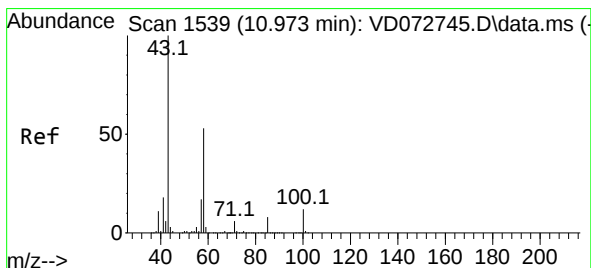
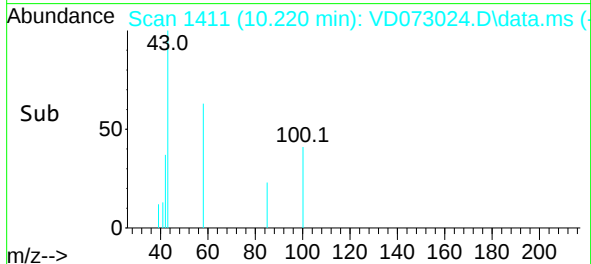
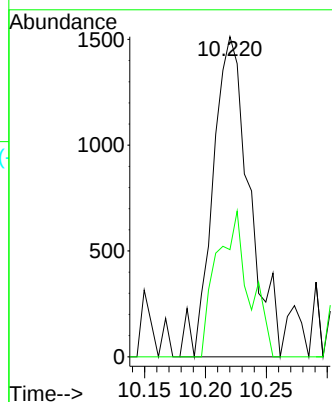
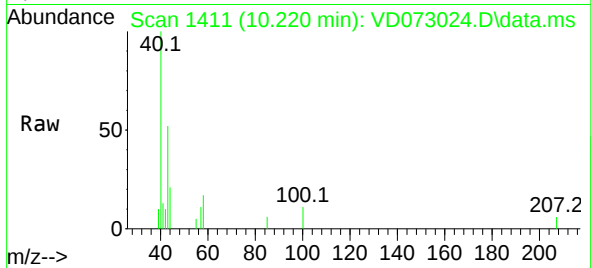




#51
4-Methyl-2-Pentanone
Concen: 1.068 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

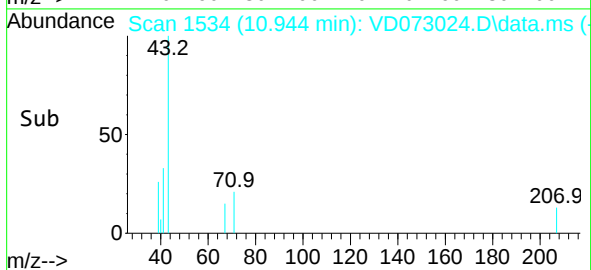
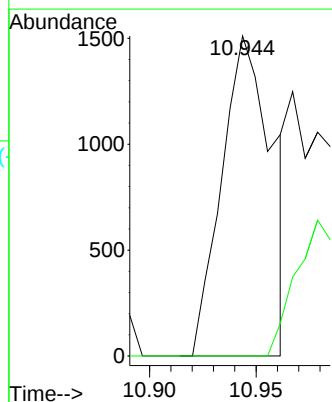
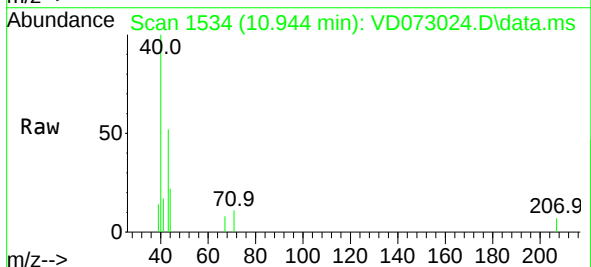
Instrument :
MSVOA_D
ClientSampleId :
SC-10

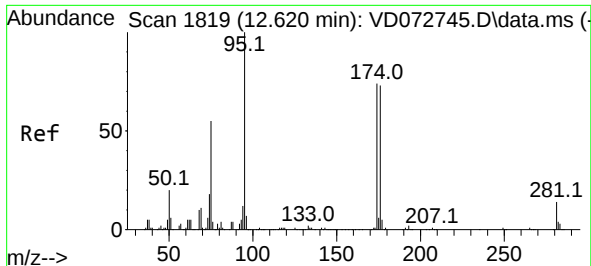
Tgt Ion: 43 Resp: 3160
Ion Ratio Lower Upper
43 100
58 40.3 28.6 43.0



#59
2-Hexanone
Concen: 1.248 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

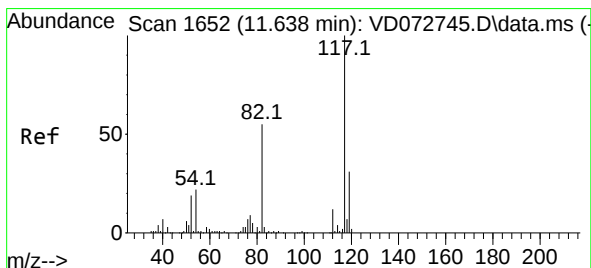
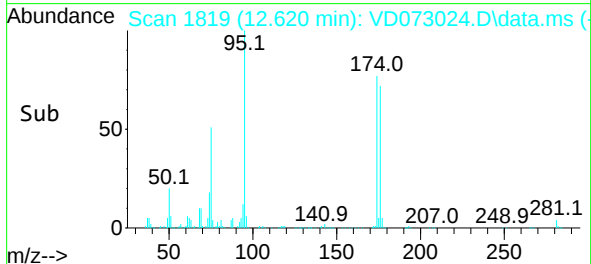
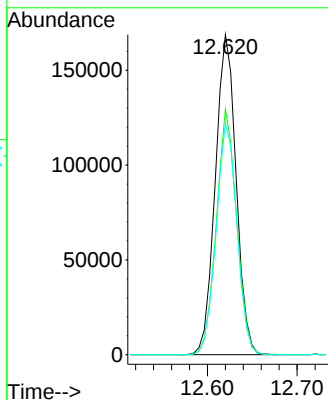
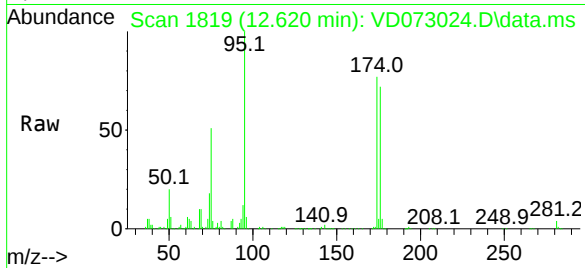




#62
4-Bromofluorobenzene
Concen: 49.163 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

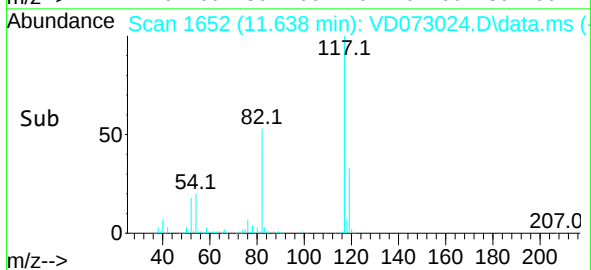
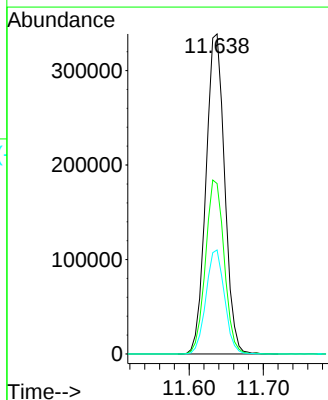
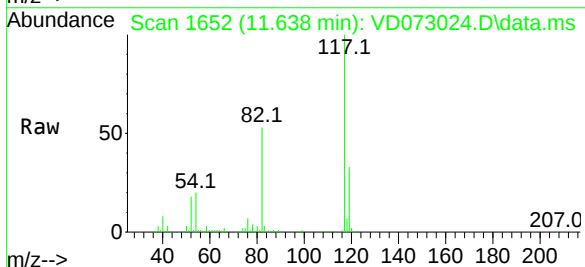
Instrument :
MSVOA_D
ClientSampleId :
SC-10

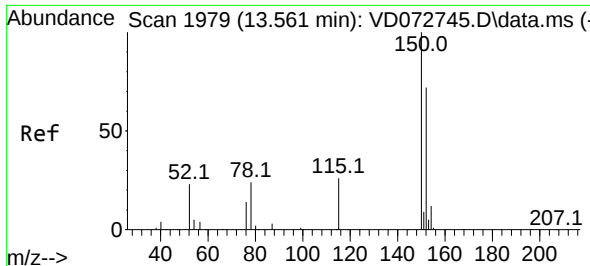
Tgt Ion: 95 Resp: 271404
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.8
176 72.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion: 117 Resp: 593250
Ion Ratio Lower Upper
117 100
82 53.2 45.3 67.9
119 32.5 26.6 40.0

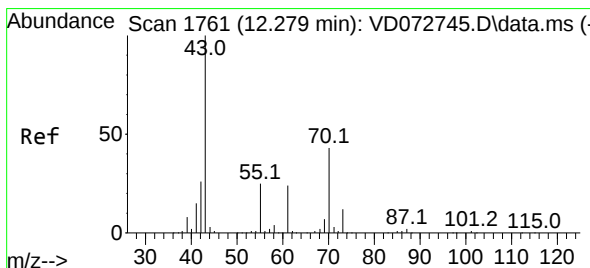
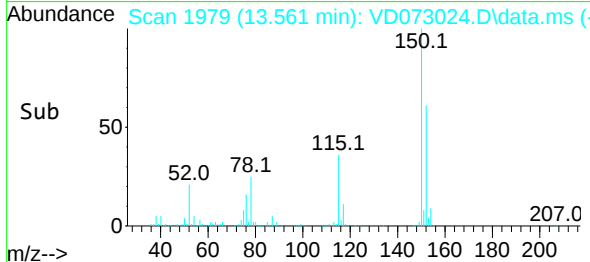
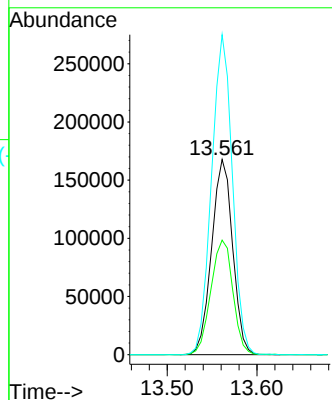
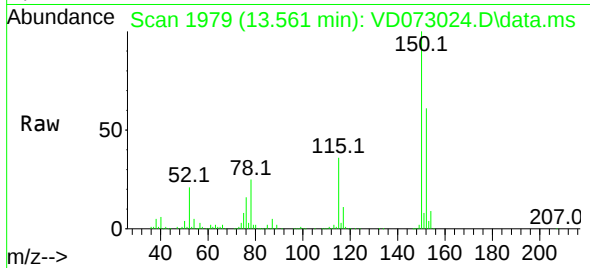




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

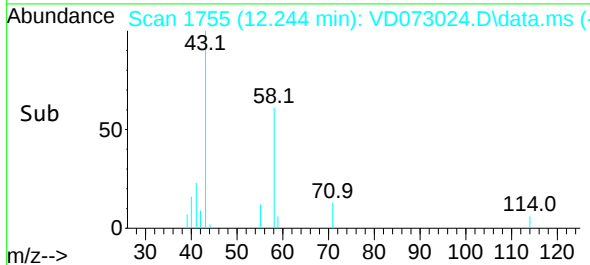
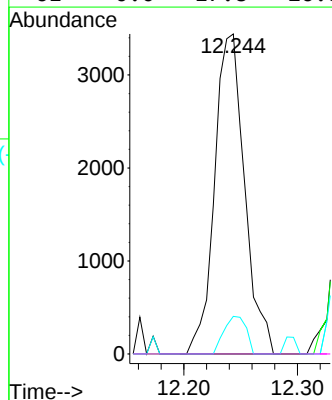
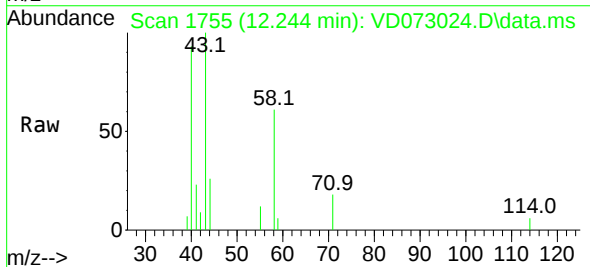
Instrument :
MSVOA_D
ClientSampleId :
SC-10

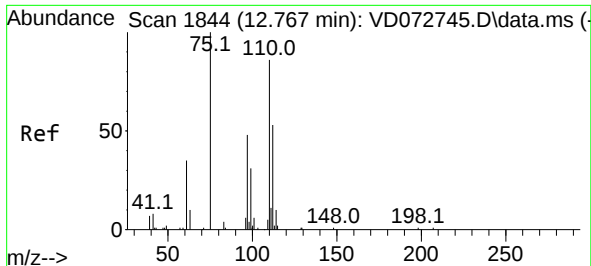
Tgt Ion:152 Resp: 273332
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 161.8 0.0 348.6



#74
N-ethyl acetate
Concen: 1.191 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Tgt Ion: 43 Resp: 6310
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 8.7 20.0 30.0#
61 0.0 17.8 26.8#

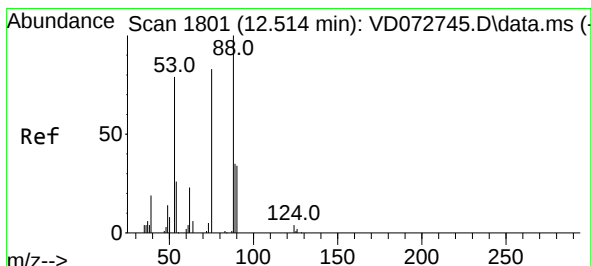
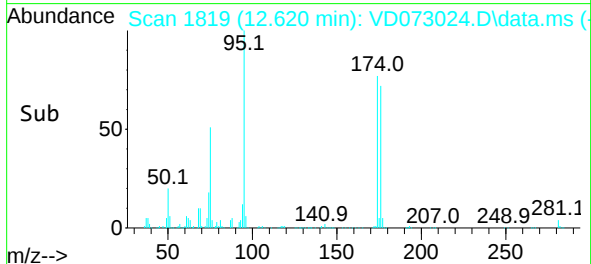
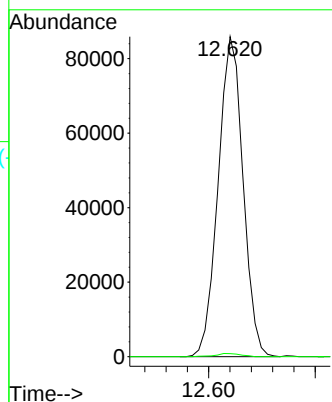
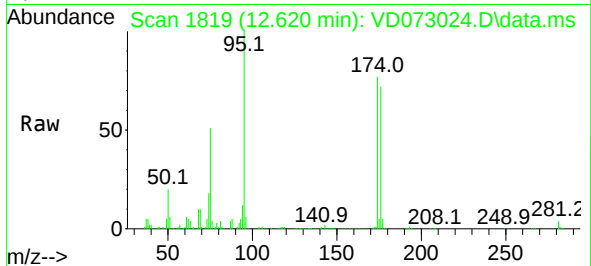




#76
1,2,3-Trichloropropane
Concen: 45.657 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

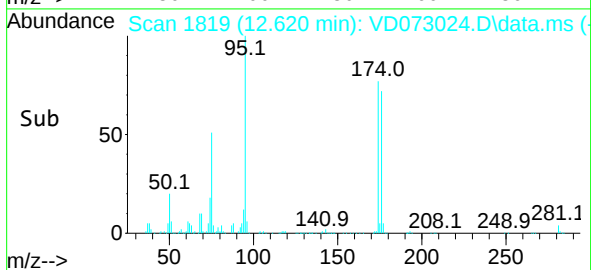
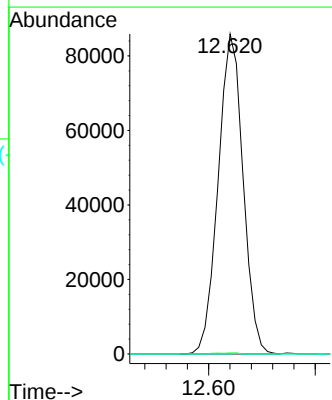
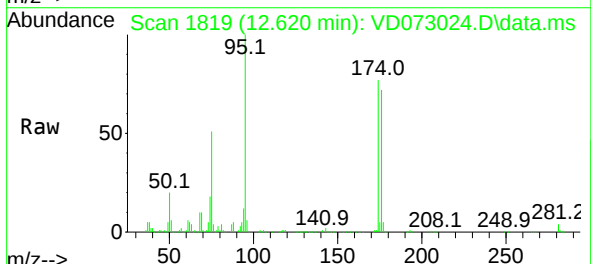
Instrument :
MSVOA_D
ClientSampleId :
SC-10

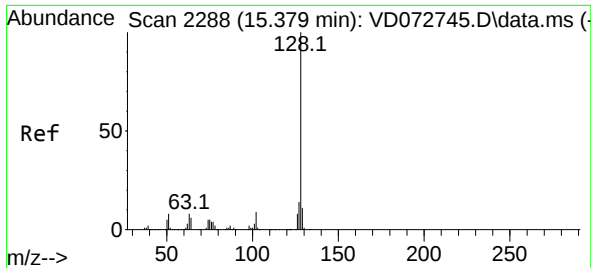
Tgt Ion: 75 Resp: 139154
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.992 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

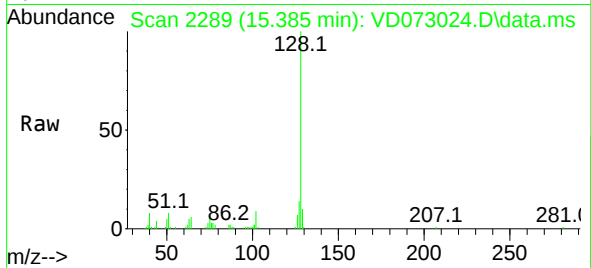
Tgt Ion: 75 Resp: 139154
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 7.371 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD073024.D
Acq: 14 May 2022 08:39

Instrument :
MSVOA_D
ClientSampleId :
SC-10



Tgt Ion:	128	Resp:	71159
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.4	12.6

