

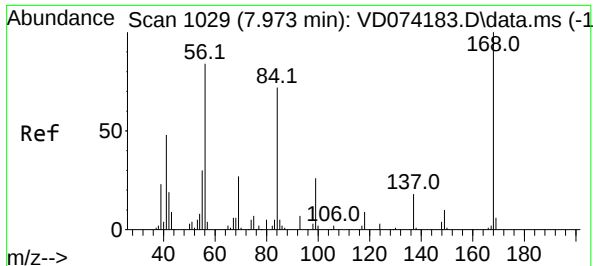
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074188.D
 Acq On : 23 Aug 2022 16:48
 Operator : VA/SY
 Sample : VD0823SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBL01

Quant Time: Aug 24 05:54:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.967	168	152806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	253318	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	239280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	112905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	74349	47.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.240%
35) Dibromofluoromethane	7.908	113	84175	49.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.332	98	239749	43.964	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.920%
62) 4-Bromofluorobenzene	12.620	95	99512	46.191	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2315	1.805	ug/l	75
10) Methyl Iodide	4.291	142	241	1.257	ug/l #	38
11) Tert butyl alcohol	5.209	59	455	4.679	ug/l #	74
16) Acetone	4.150	43	566	1.903	ug/l #	86
17) Carbon Disulfide	4.403	76	774	2.165	ug/l #	74
18) Methyl Acetate	4.714	43	72	Below Cal	#	55
20) Methylene Chloride	4.956	84	13367	1.429	ug/l #	78
23) Vinyl Acetate	6.291	43	239	10.157	ug/l #	75
25) 2-Butanone	7.191	43	3047	6.616	ug/l	96
26) 2,2-Dichloropropane	7.197	77	3761	1.308	ug/l #	54
31) Cyclohexane	7.973	56	3777	1.359	ug/l #	6
37) Ethyl Acetate	7.191	43	3047	3.018	ug/l #	1
38) Carbon Tetrachloride	7.967	117	15992	5.813	ug/l #	18
39) Methylcyclohexane	9.344	83	763	2.440	ug/l #	79
51) 4-Methyl-2-Pentanone	10.214	43	1371	1.351	ug/l	93
59) 2-Hexanone	10.979	43	740	1.082	ug/l #	52
76) 1,2,3-Trichloropropane	12.620	75	50758	46.042	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	50758	118.403	ug/l #	7
95) Naphthalene	15.379	128	2061	3.883	ug/l #	81

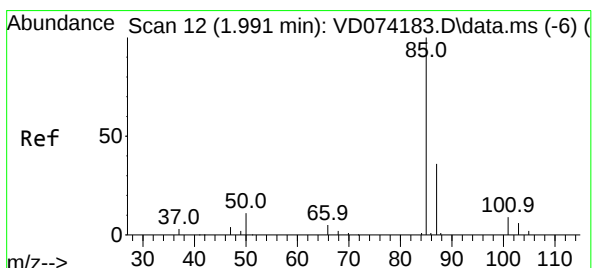
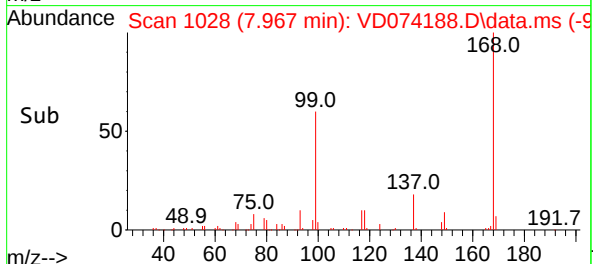
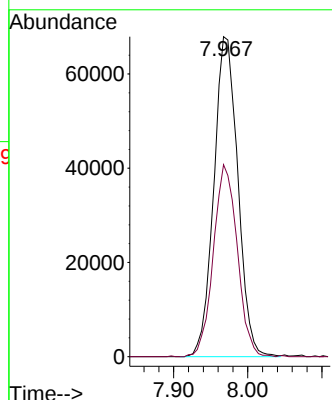
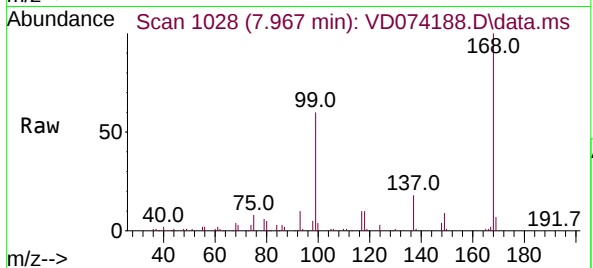
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

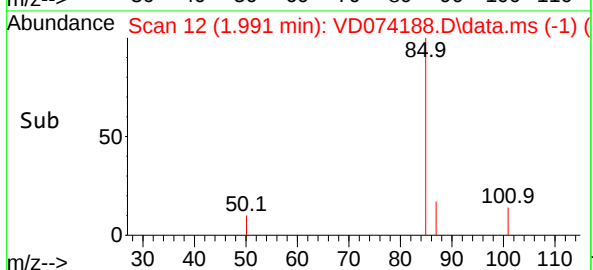
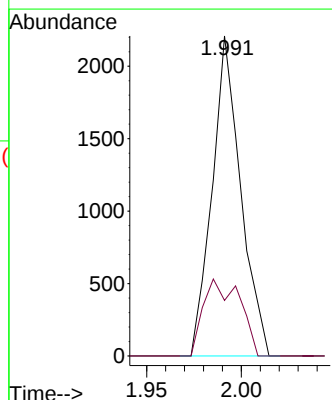
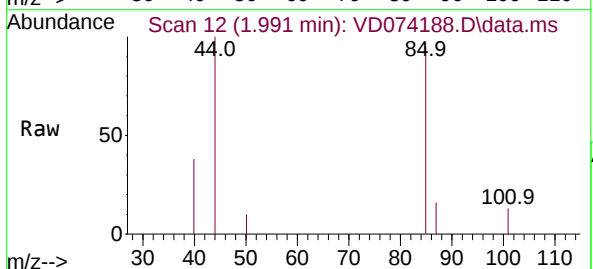
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

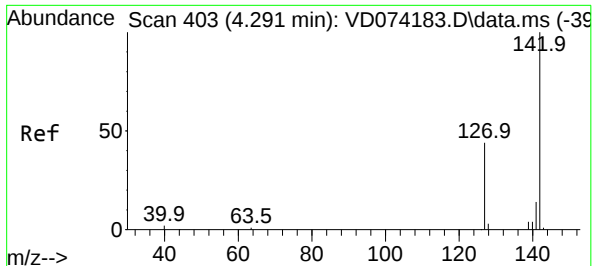
Tgt Ion:168 Resp: 152806
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.805 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Tgt Ion: 85 Resp: 2315
Ion Ratio Lower Upper
85 100
87 17.4 15.7 47.0

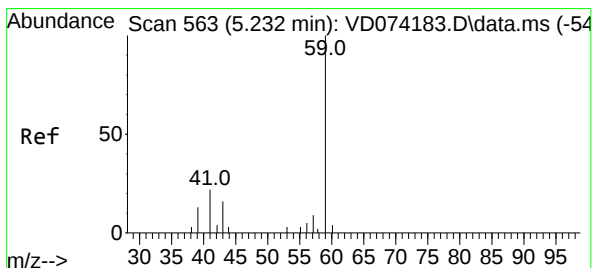
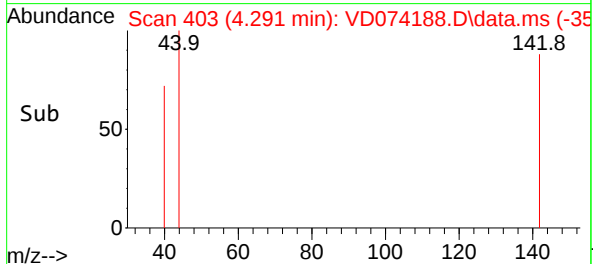
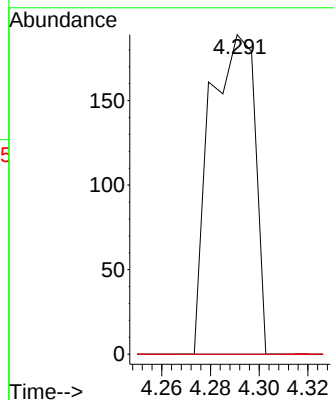
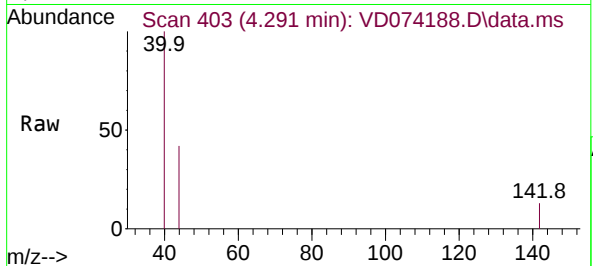




#10
Methyl Iodide
Concen: 1.257 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.000 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

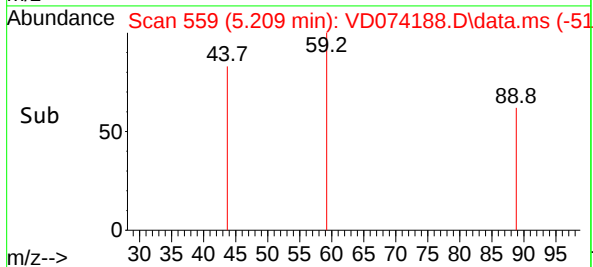
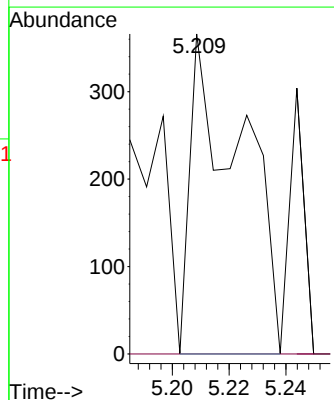
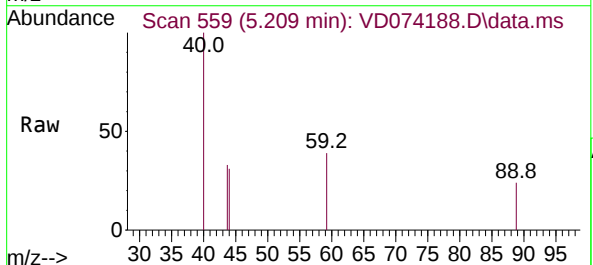
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

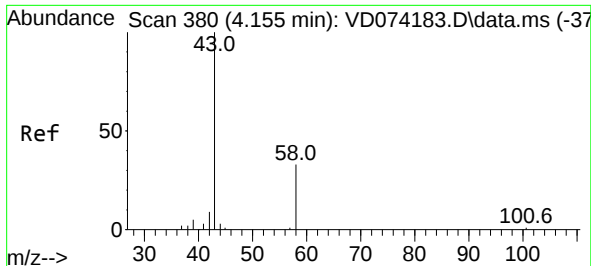
Tgt Ion:142 Resp: 241
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.679 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.023 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

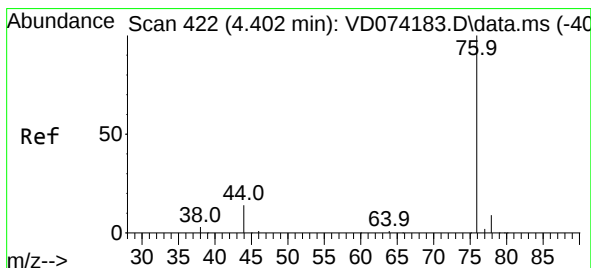
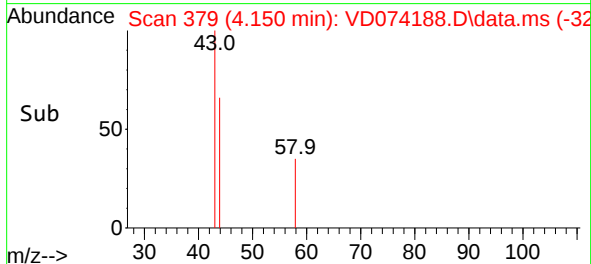
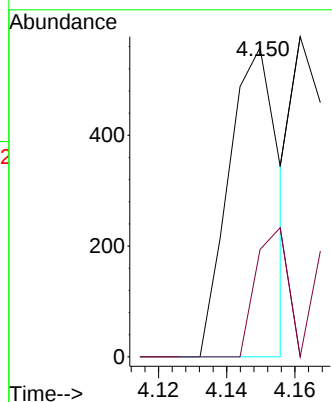
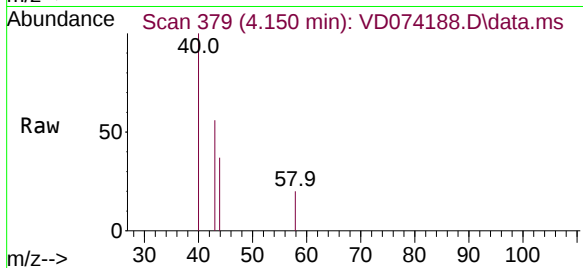




#16
Acetone
Concen: 1.903 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

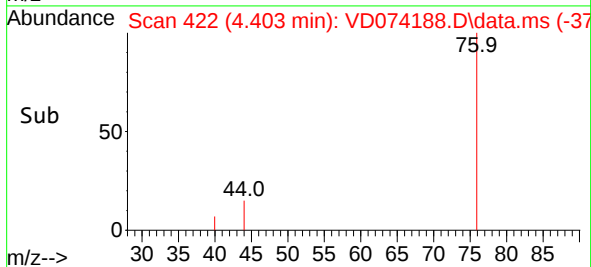
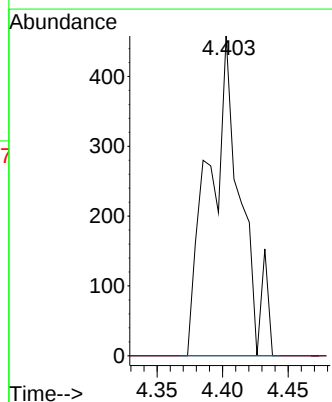
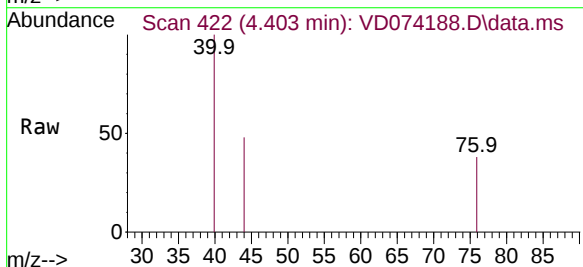
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

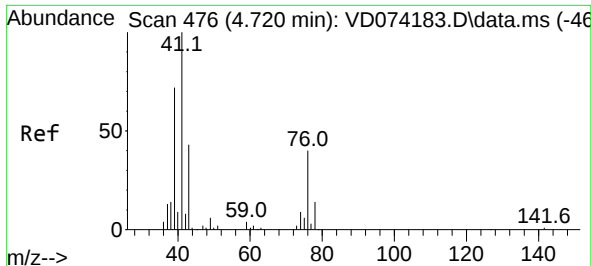
Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
58 34.8 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.165 ug/l
RT: 4.403 min Scan# 422
Delta R.T. 0.001 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Tgt Ion: 76 Resp: 774
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.714 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

Instrument :

MSVOA_D

ClientSampleId :

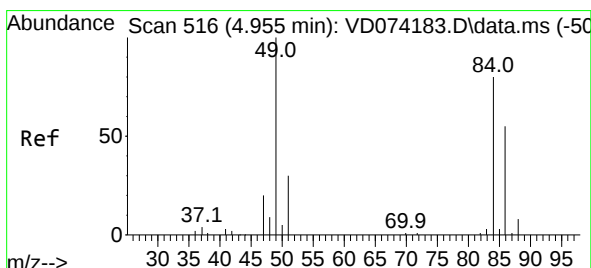
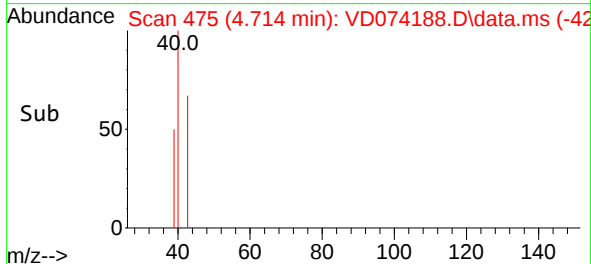
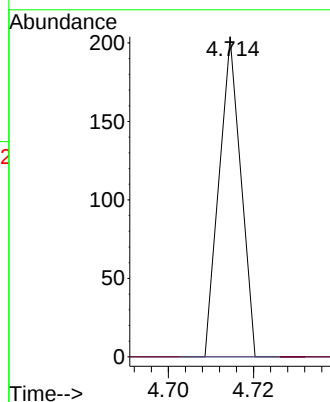
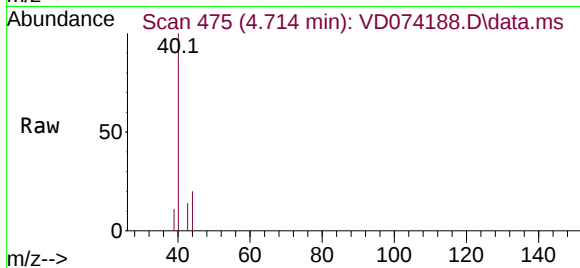
VD0823SBL01

Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 1.429 ug/l

RT: 4.956 min Scan# 516

Delta R.T. 0.001 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

Tgt Ion: 84 Resp: 13367

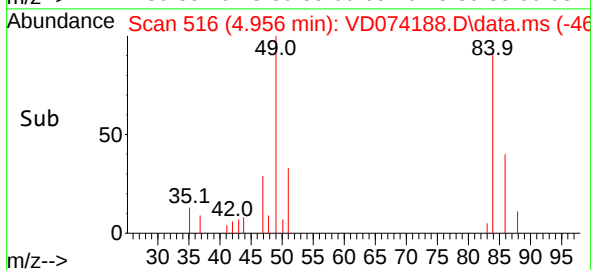
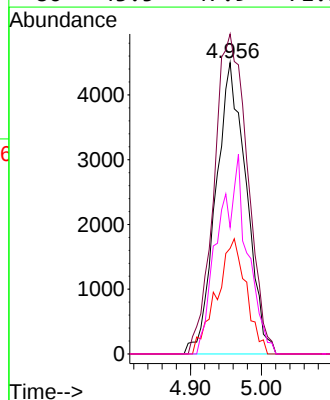
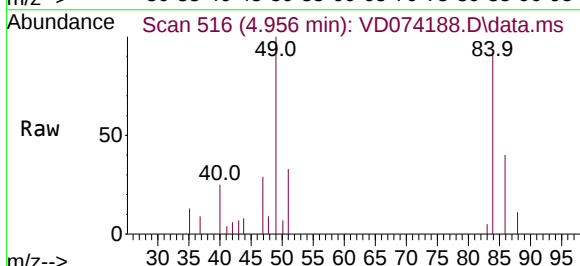
Ion Ratio Lower Upper

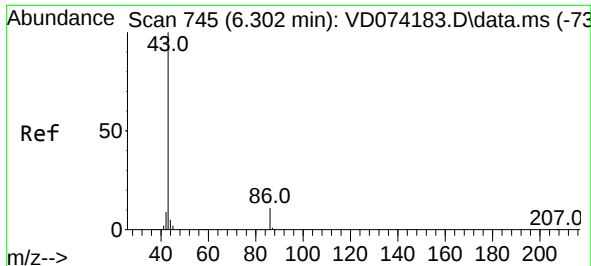
84 100

49 109.8 112.8 169.2#

51 36.2 32.6 48.8

86 43.5 47.9 71.9#

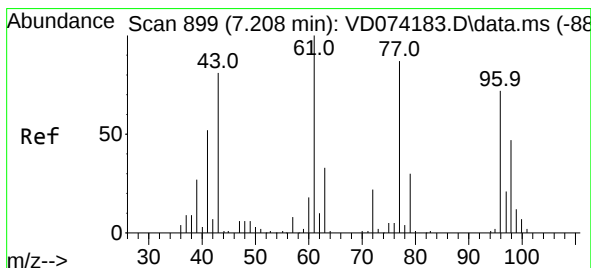
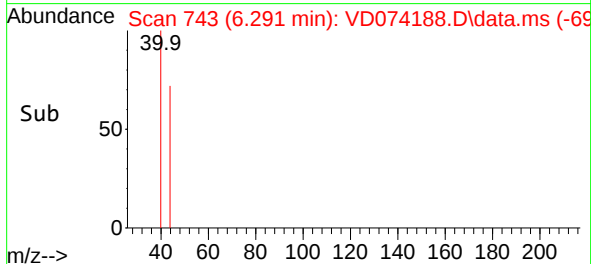
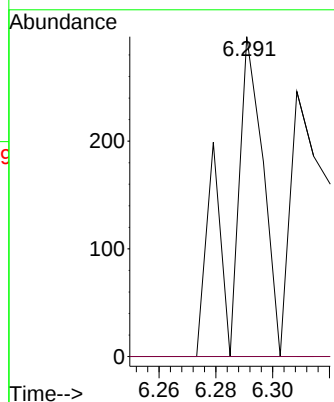
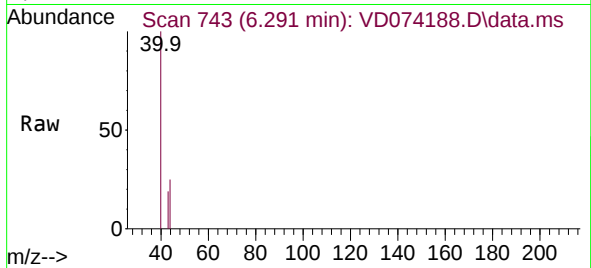




#23
 Vinyl Acetate
 Concen: 10.157 ug/l
 RT: 6.291 min Scan# 745
 Delta R.T. -0.011 min
 Lab File: VD074188.D
 Acq: 23 Aug 2022 16:48

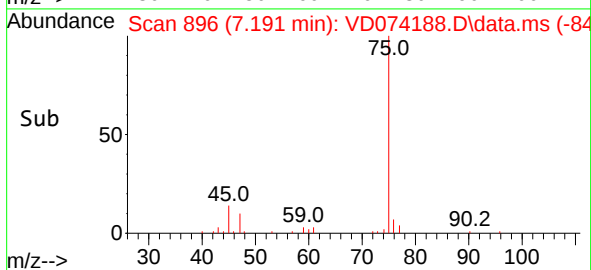
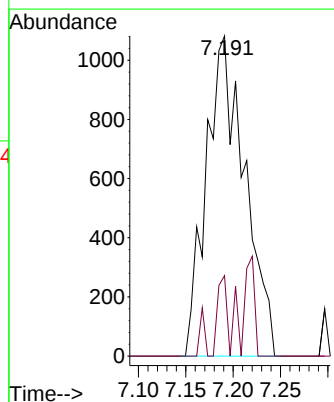
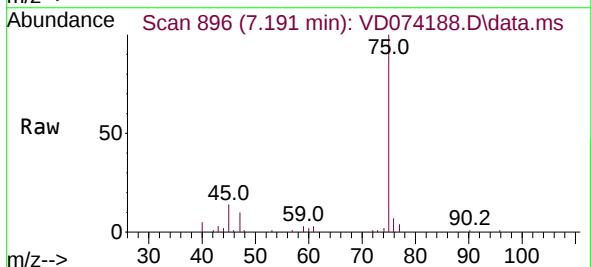
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBL01

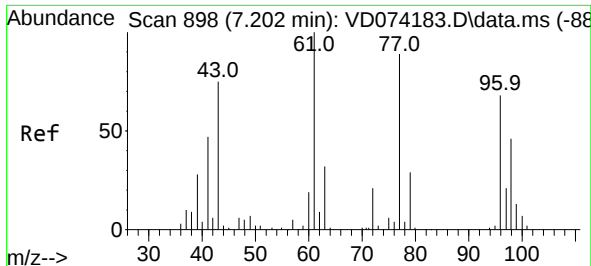
Tgt Ion: 43 Resp: 239
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 6.616 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.017 min
 Lab File: VD074188.D
 Acq: 23 Aug 2022 16:48

Tgt Ion: 43 Resp: 3047
 Ion Ratio Lower Upper
 43 100
 72 25.1 18.6 27.8





#26

2,2-Dichloropropane

Concen: 1.308 ug/l

RT: 7.197 min Scan# 89

Delta R.T. -0.005 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

Instrument :

MSVOA_D

ClientSampleId :

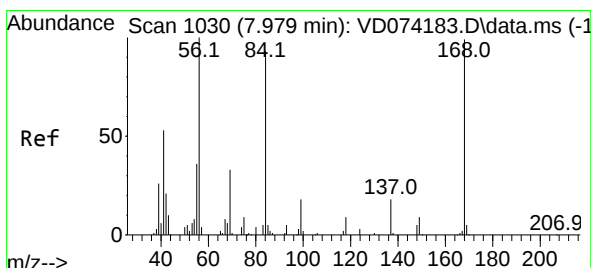
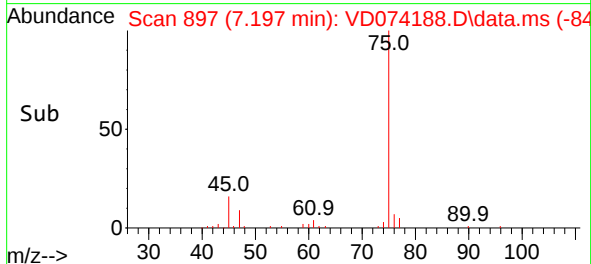
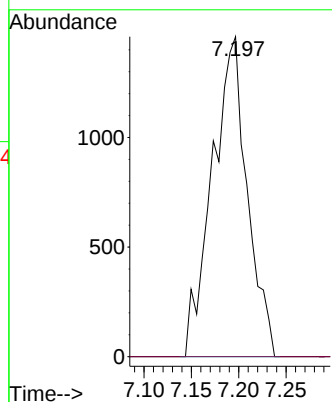
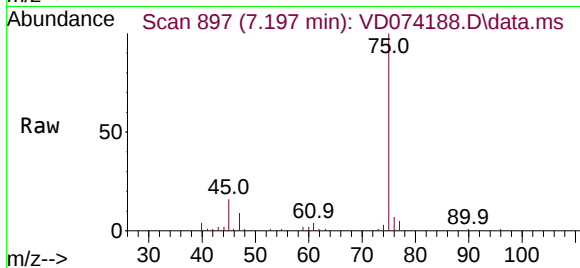
VD0823SBL01

Tgt Ion: 77 Resp: 3761

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.359 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

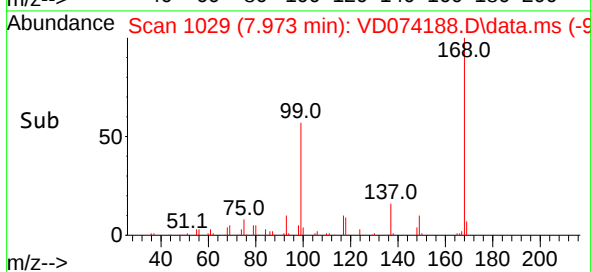
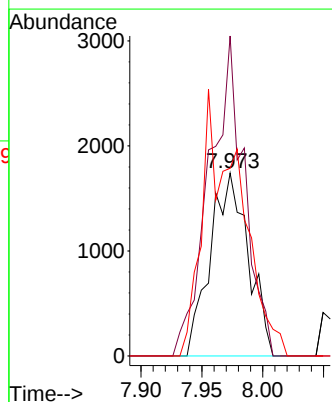
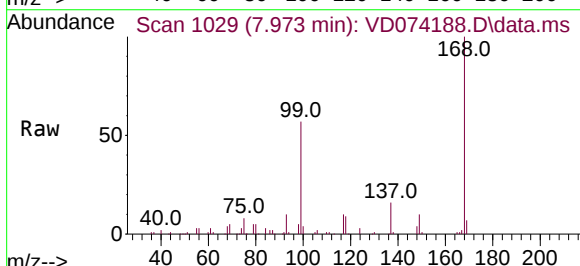
Tgt Ion: 56 Resp: 3777

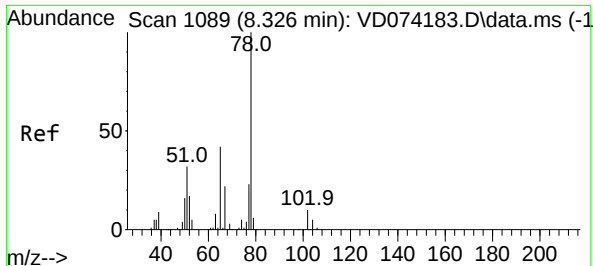
Ion Ratio Lower Upper

56 100

69 175.0 25.4 38.2#

84 102.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.616 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

Instrument :

MSVOA_D

ClientSampleId :

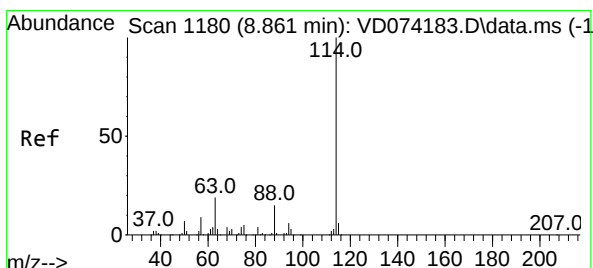
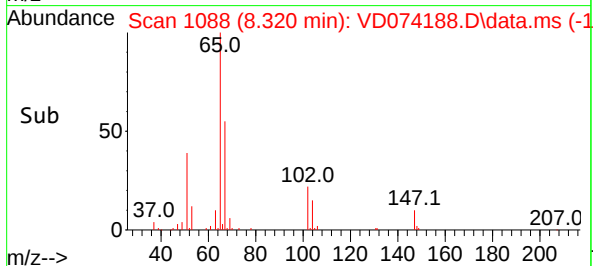
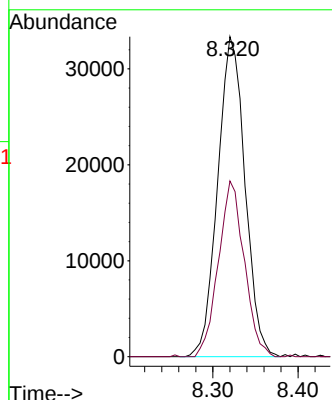
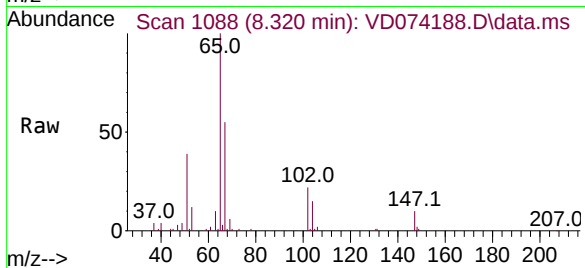
VD0823SBL01

Tgt Ion: 65 Resp: 74349

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

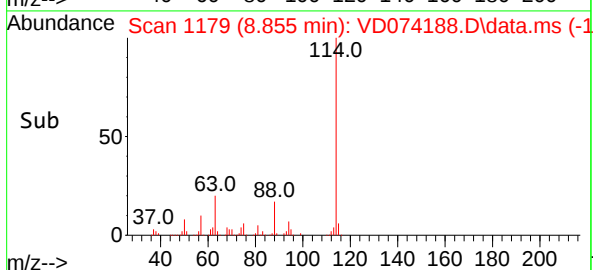
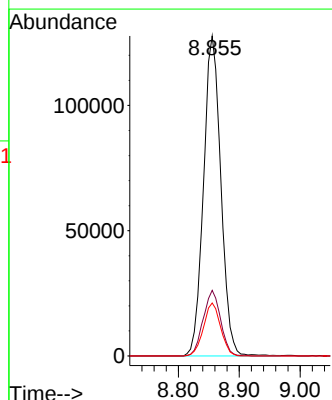
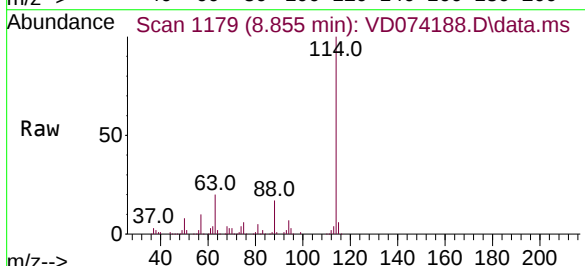
Tgt Ion: 114 Resp: 253318

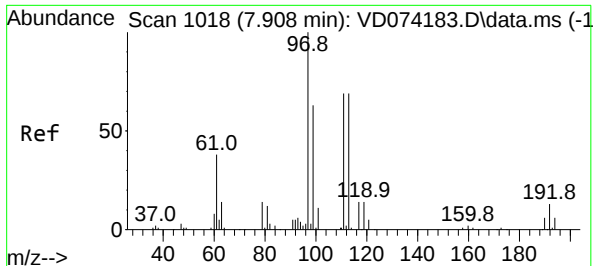
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.678 ug/l

RT: 7.908 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBL01

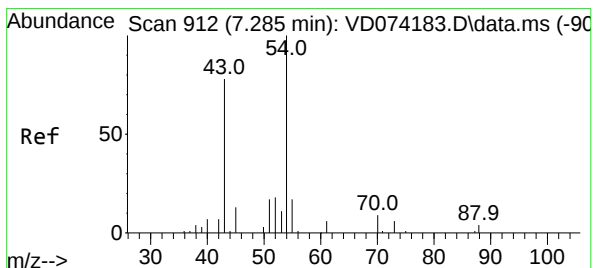
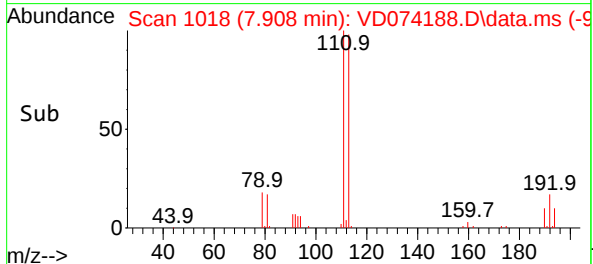
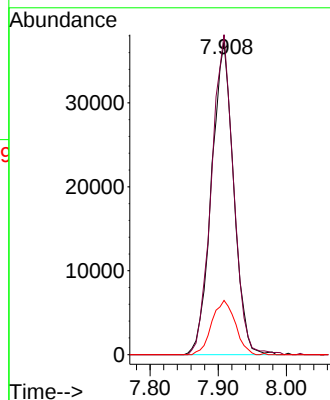
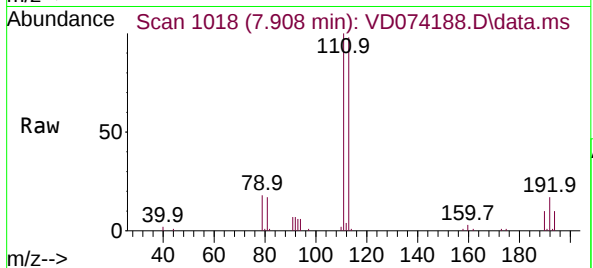
Tgt Ion:113 Resp: 84175

Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 18.4 14.6 21.8



#37

Ethyl Acetate

Concen: 3.018 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

Lab File: VD074188.D

Acq: 23 Aug 2022 16:48

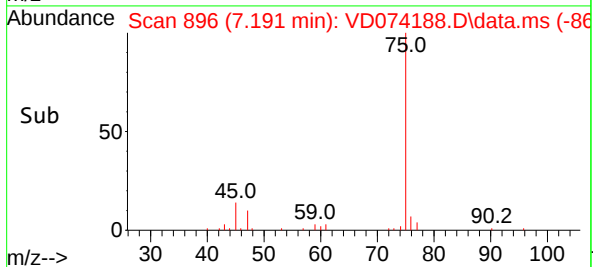
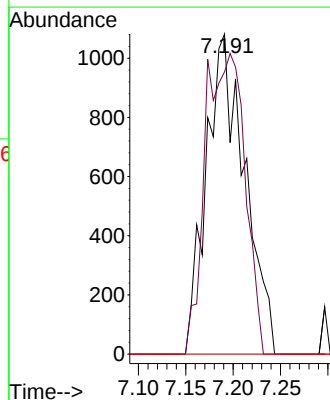
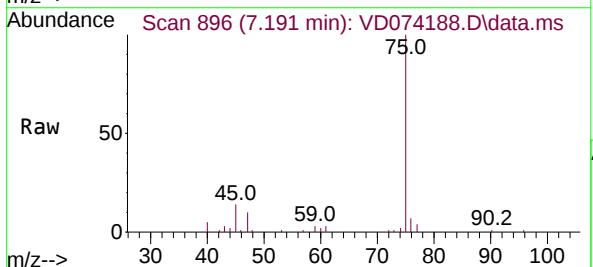
Tgt Ion: 43 Resp: 3047

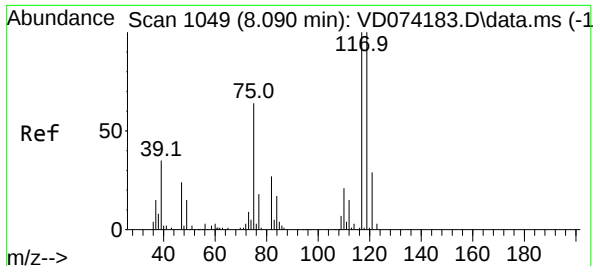
Ion Ratio Lower Upper

43 100

61 97.3 9.8 14.8#

70 0.0 6.9 10.3#

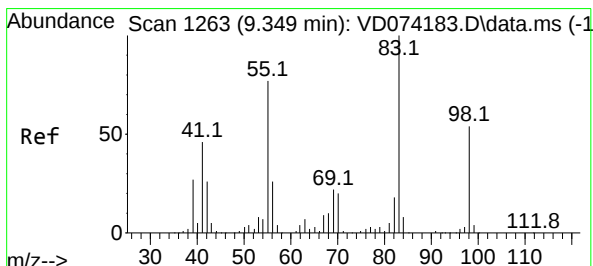
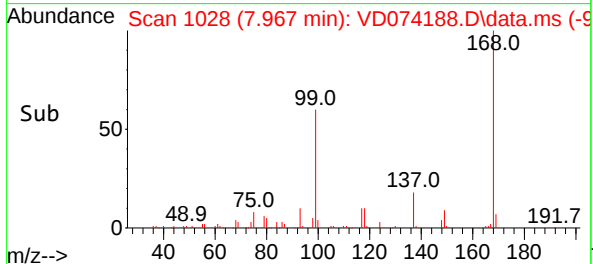
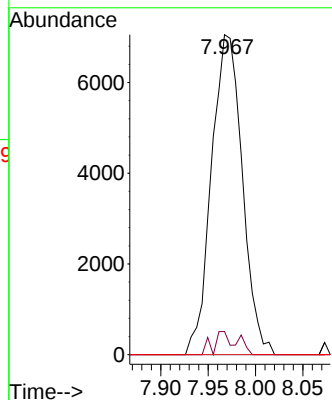
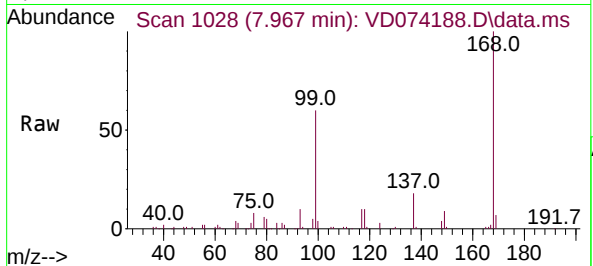




#38
Carbon Tetrachloride
Concen: 5.813 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

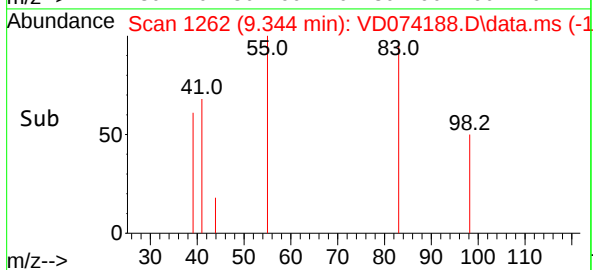
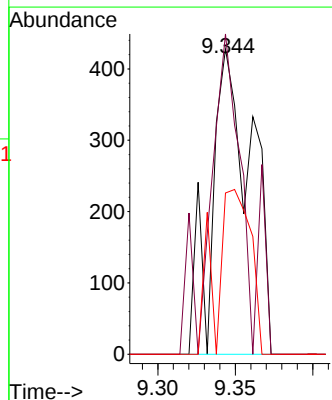
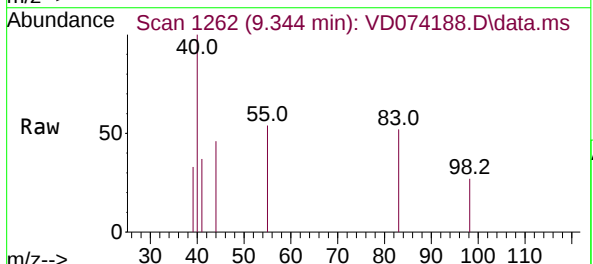
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

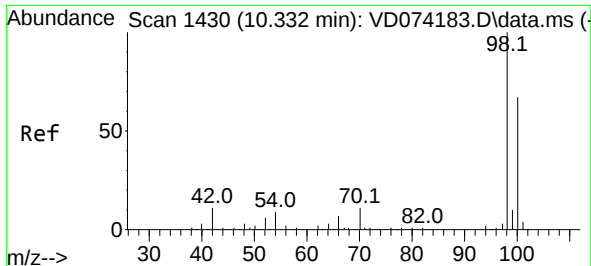
Tgt Ion:117 Resp: 15992
Ion Ratio Lower Upper
117 100
119 7.3 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.440 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.005 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Tgt Ion: 83 Resp: 763
Ion Ratio Lower Upper
83 100
55 104.9 63.2 94.8#
98 52.8 38.2 57.4

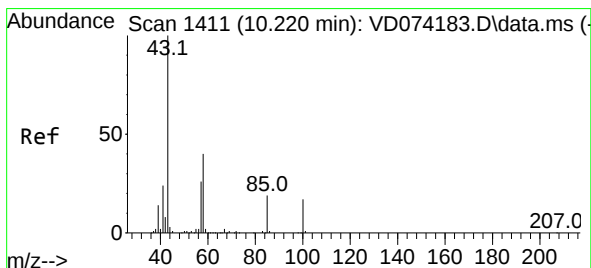
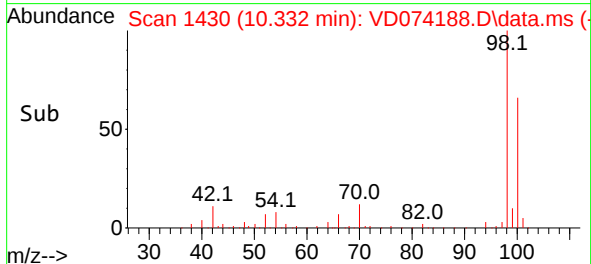
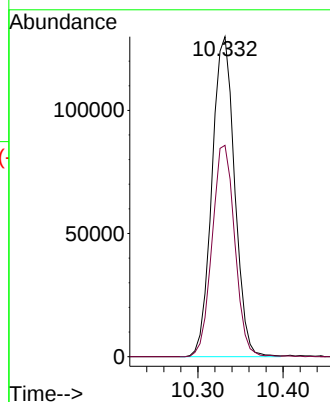
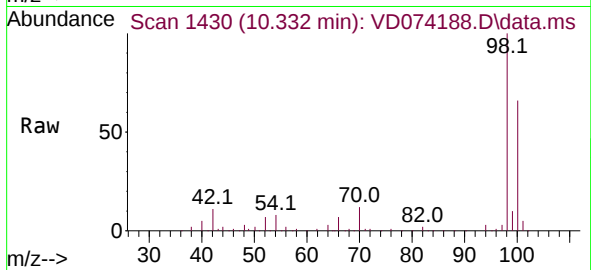




#50
Toluene-d8
Concen: 43.964 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

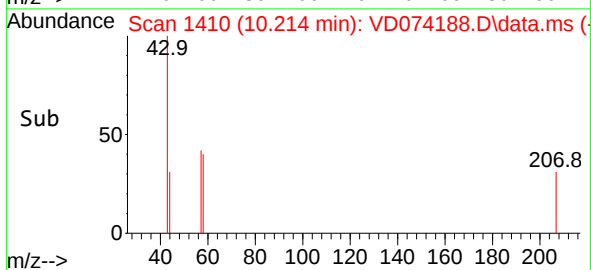
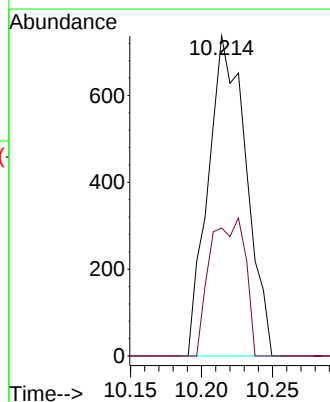
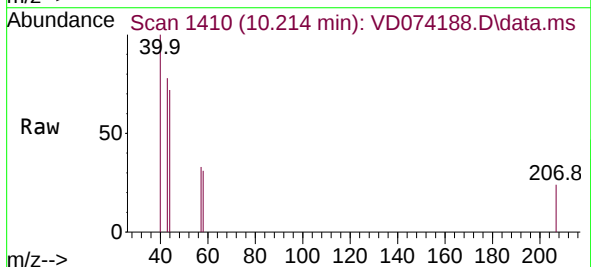
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

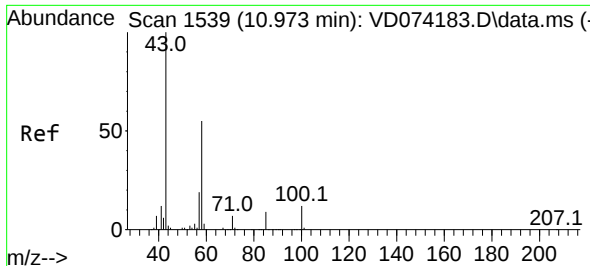
Tgt Ion: 98 Resp: 239749
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.351 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
58 40.0 28.6 43.0

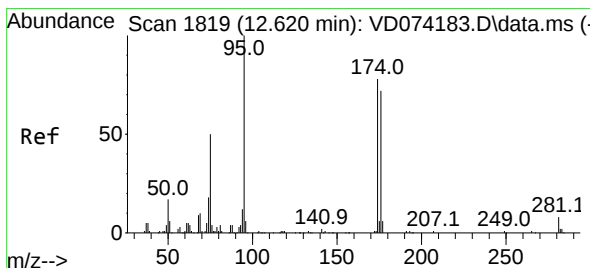
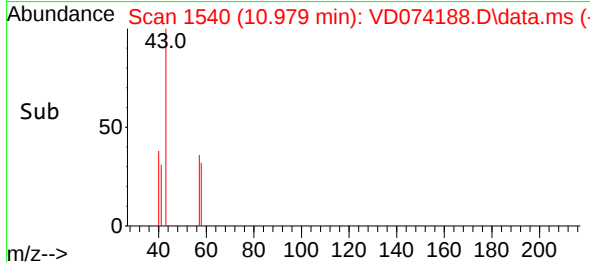
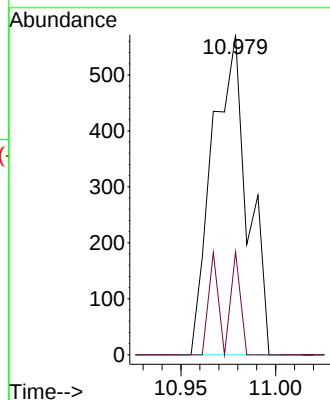
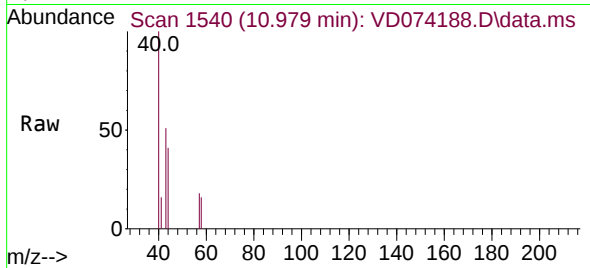




#59
2-Hexanone
Concen: 1.082 ug/l
RT: 10.979 min Scan# 1539
Delta R.T. 0.006 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

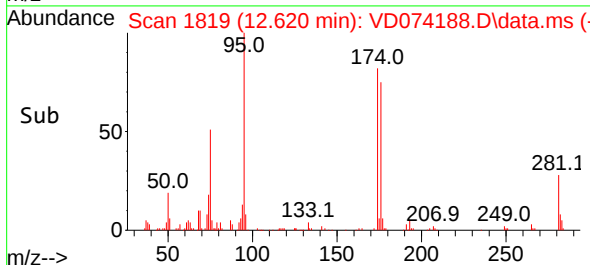
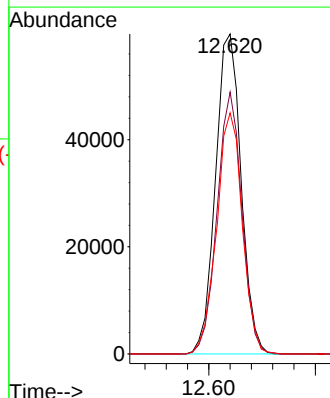
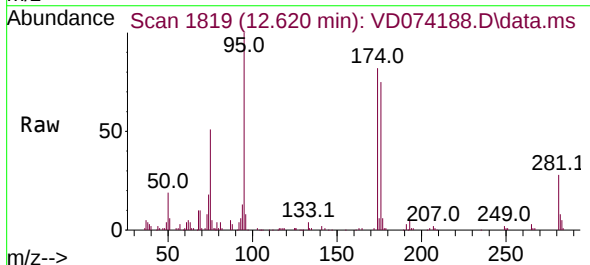
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

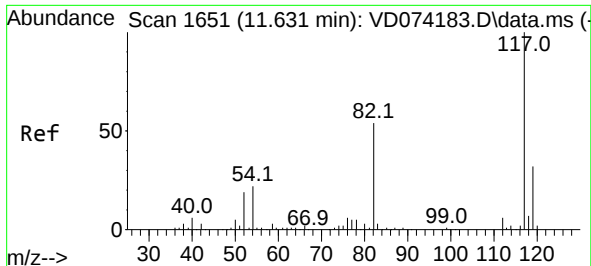
Tgt Ion: 43 Resp: 740
Ion Ratio Lower Upper
43 100
58 17.4 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 46.191 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Tgt Ion: 95 Resp: 99512
Ion Ratio Lower Upper
95 100
174 79.1 0.0 152.8
176 75.5 0.0 145.4

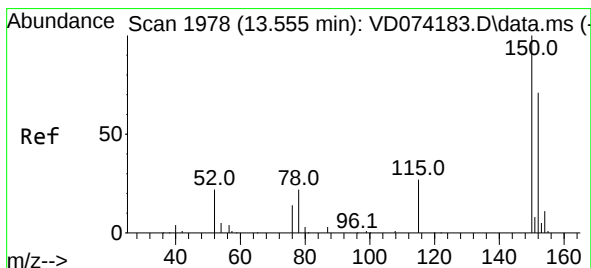
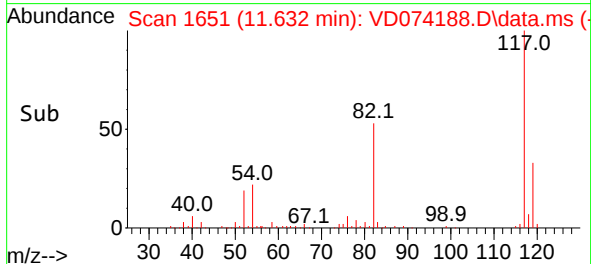
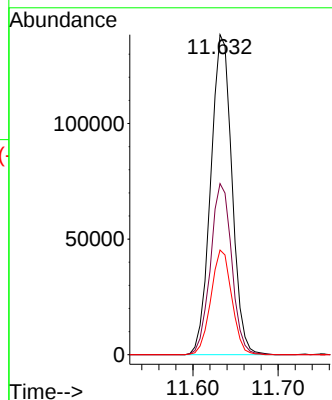
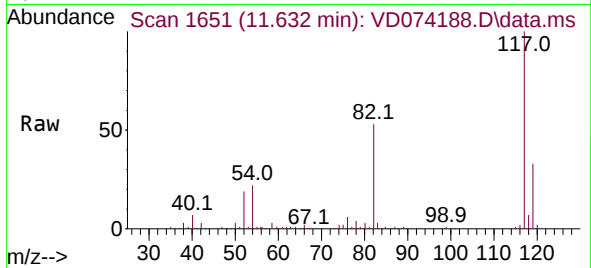




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

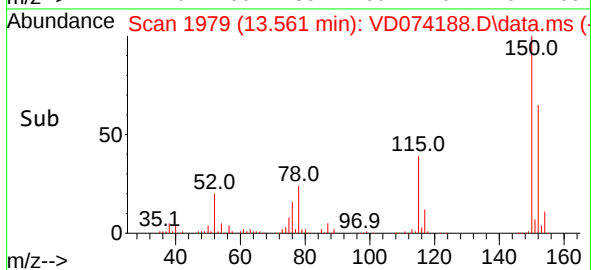
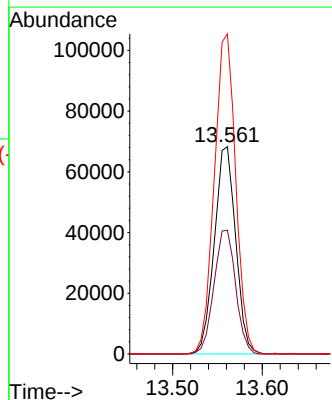
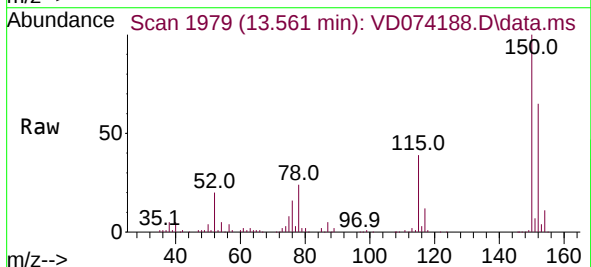
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

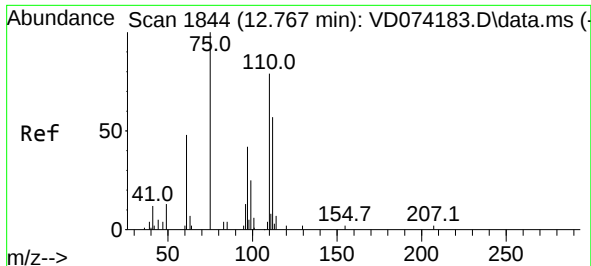
Tgt Ion:117 Resp: 239280
Ion Ratio Lower Upper
117 100
82 53.4 45.3 67.9
119 32.7 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Tgt Ion:152 Resp: 112905
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 154.6 0.0 348.6

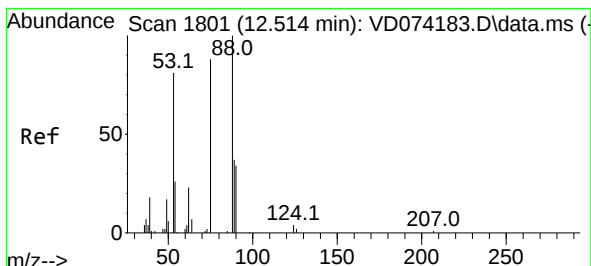
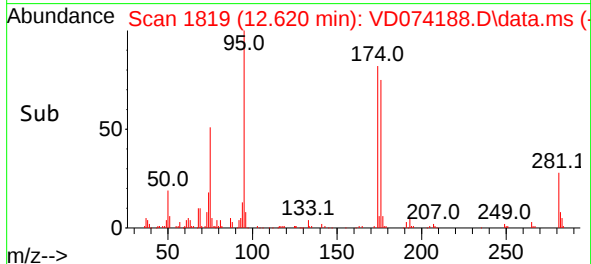
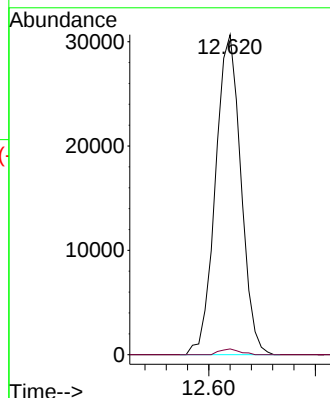
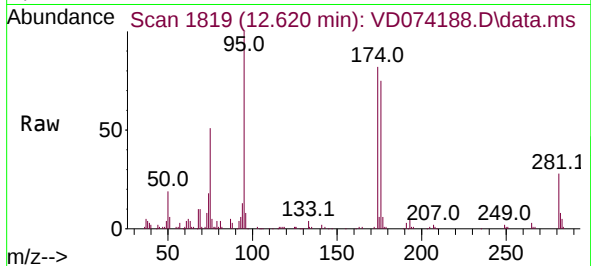




#76
1,2,3-Trichloropropane
Concen: 46.042 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

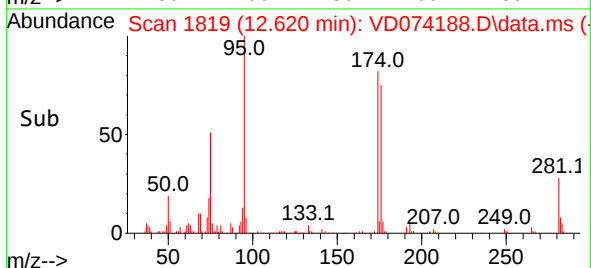
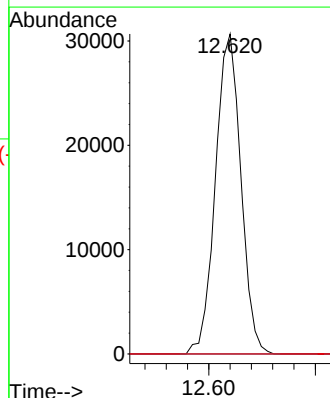
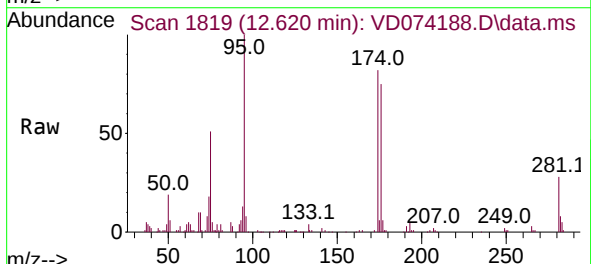
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

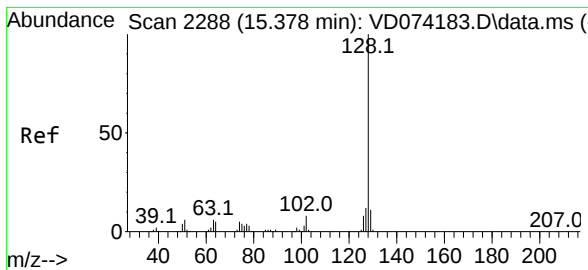
Tgt Ion: 75 Resp: 50758
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.403 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

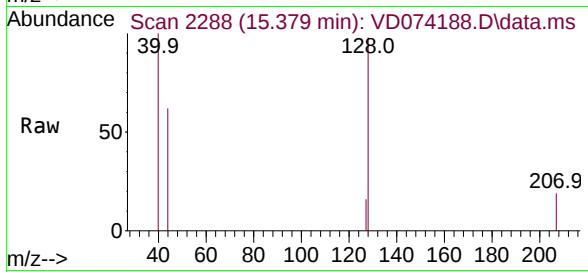
Tgt Ion: 75 Resp: 50758
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.883 ug/l
RT: 15.379 min Scan# 21
Delta R.T. 0.001 min
Lab File: VD074188.D
Acq: 23 Aug 2022 16:48

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01



Tgt Ion:	128	Resp:	2061
Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.3	15.5#
129	0.0	8.4	12.6#

