

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081922\
 Data File : VD074166.D
 Acq On : 19 Aug 2022 23:45
 Operator : VA/SY
 Sample : N4232-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

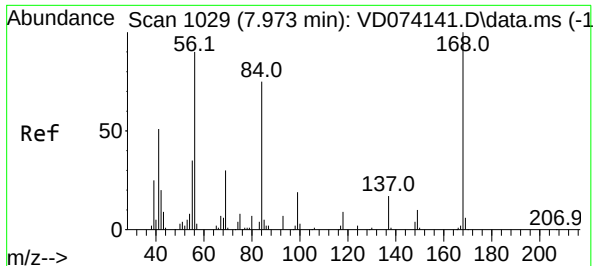
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-01-081722

Quant Time: Aug 20 01:31:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 19 09:25:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.850	114	1831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	2305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	1364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	897	146.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	292.420%#
35) Dibromofluoromethane	7.903	113	522	58.901	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.800%
50) Toluene-d8	10.326	98	1284	51.367	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.740%
62) 4-Bromofluorobenzene	12.620	95	1221	89.119	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	178.240%#
Target Compounds						
					Qvalue	
16) Acetone	4.150	43	178	92.211	ug/l #	47
20) Methylene Chloride	4.962	84	68	Below Cal	#	2
48) Methyl methacrylate	9.679	41	56	7.306	ug/l #	19
51) 4-Methyl-2-Pentanone	10.326	43	60	7.495	ug/l #	39
55) 1,1,2-Trichloroethane	11.055	97	64	6.649	ug/l #	15
59) 2-Hexanone	10.967	43	56	10.489	ug/l #	27
73) Isopropylbenzene	12.467	105	198	1.993	ug/l #	49
74) N-amyl acetate	12.185	43	59	2.366	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.714	83	63	3.313	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	490	34.689	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.944	105	89	1.072	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.620	75	490	90.773	ug/l #	7
82) 4-Chlorotoluene	12.996	91	167	2.245	ug/l #	42
89) n-Butylbenzene	13.820	91	252	2.915	ug/l #	33
90) Hexachloroethane	14.079	117	54	3.117	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.267	75	53	16.239	ug/l #	6
95) Naphthalene	15.096	128	59	1.240	ug/l #	70

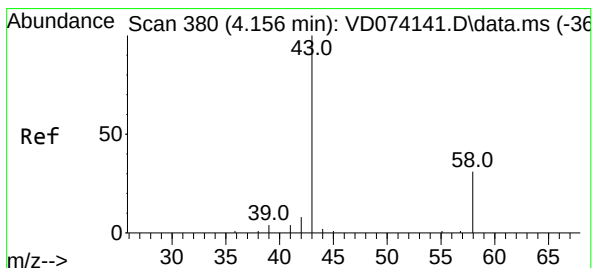
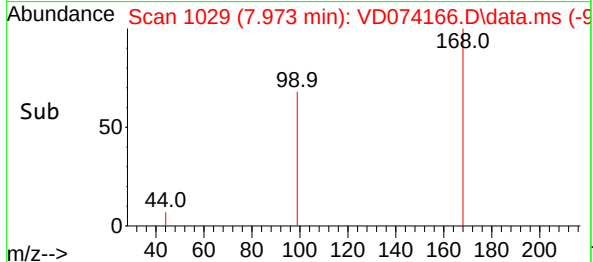
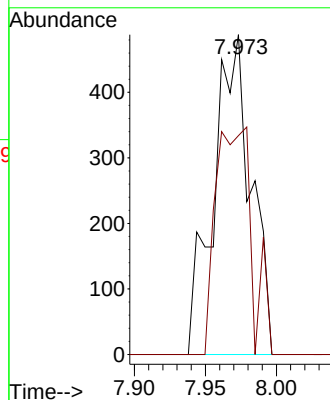
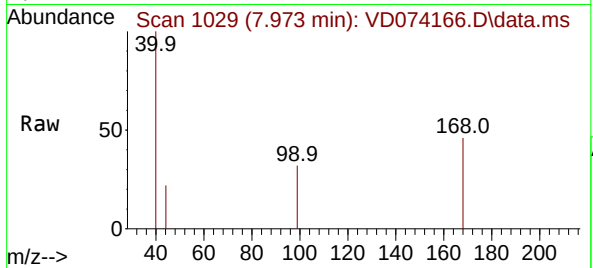
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

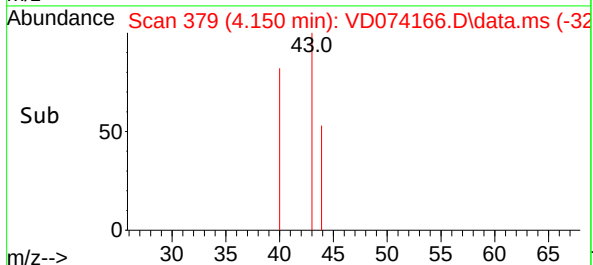
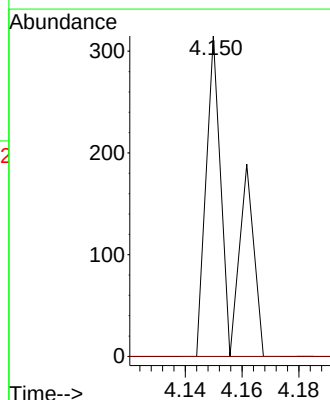
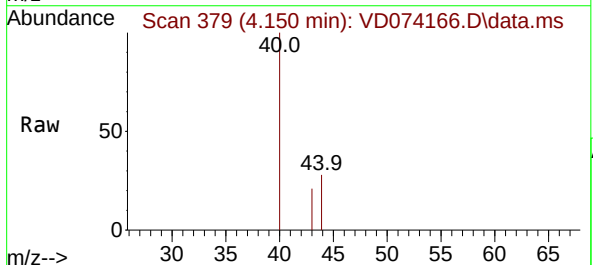
Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722

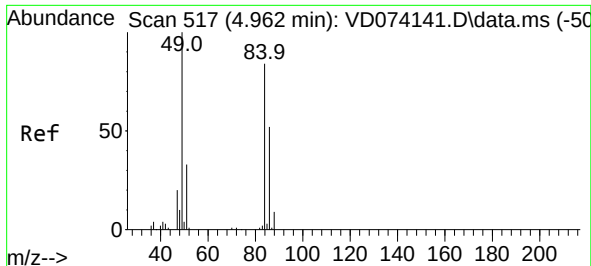
Tgt Ion:168 Resp: 896
Ion Ratio Lower Upper
168 100
99 68.4 49.8 74.6



#16
Acetone
Concen: 92.211 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

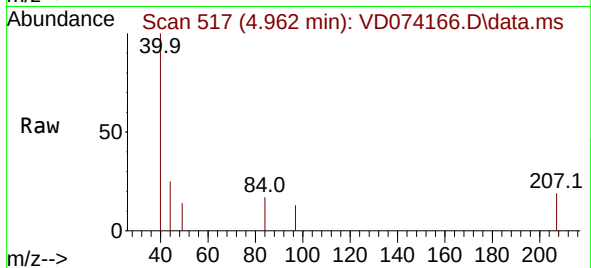
Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



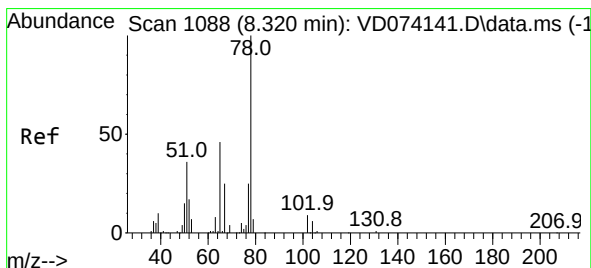
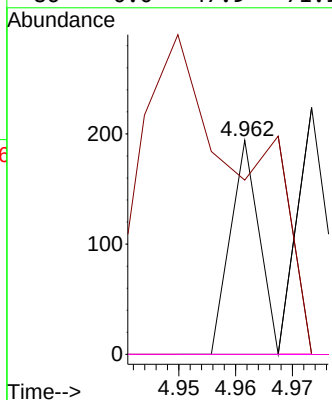
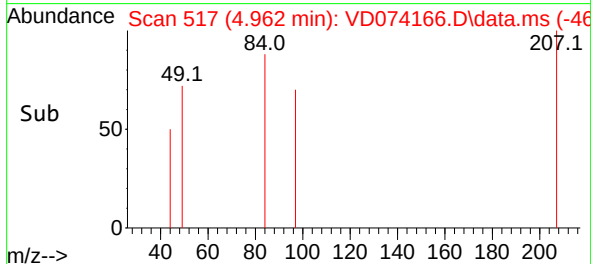


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

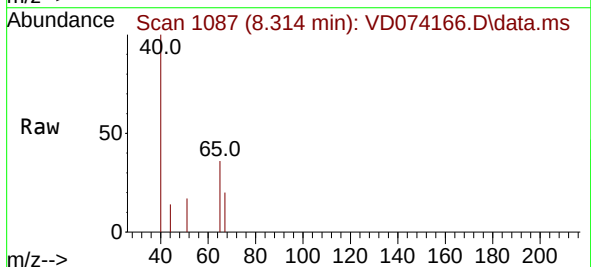
Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722



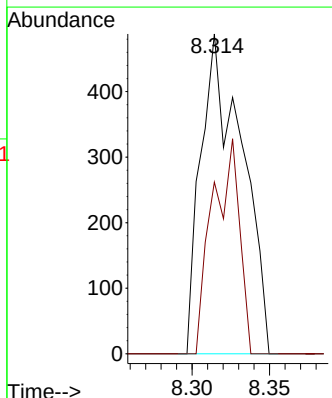
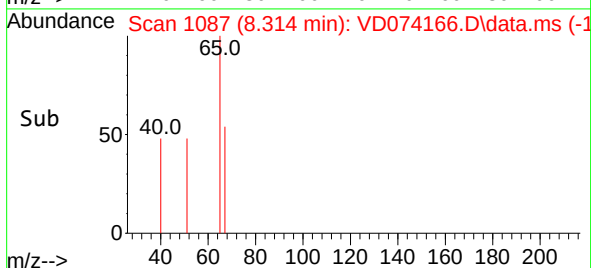
Tgt Ion:	84	Resp:	68
Ion	Ratio	Lower	Upper
84	100		
49	0.0	112.8	169.2#
51	0.0	32.6	48.8#
86	0.0	47.9	71.9#

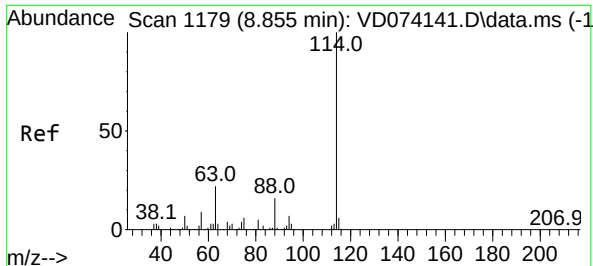


#33
1,2-Dichloroethane-d4
Concen: 146.206 ug/l
RT: 8.314 min Scan# 1087
Delta R.T. -0.006 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45



Tgt Ion:	65	Resp:	897
Ion	Ratio	Lower	Upper
65	100		
67	44.3	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.850 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD074166.D

Acq: 19 Aug 2022 23:45

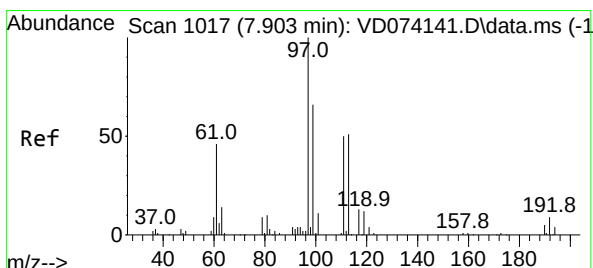
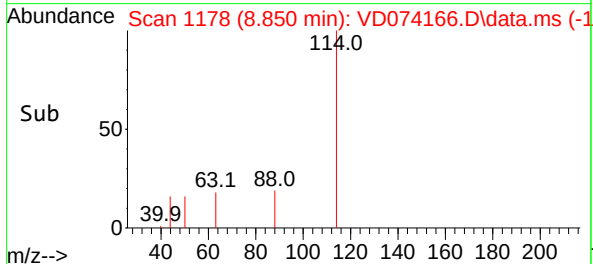
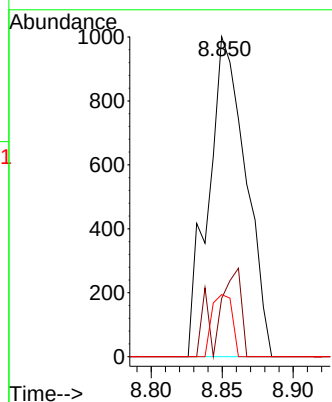
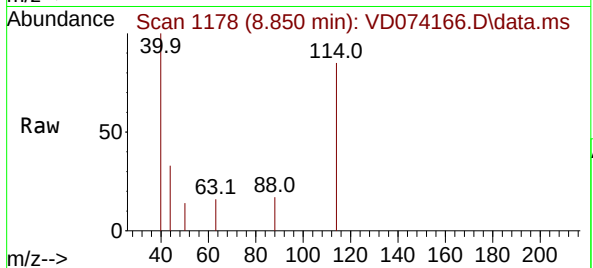
Instrument :

MSVOA_D

ClientSampleId :

BU-01-081722

Tgt Ion:114	Resp:	1831
Ion Ratio	Lower	Upper
114	100	
63	18.2	0.0 46.6
88	19.4	0.0 33.2



#35

Dibromofluoromethane

Concen: 58.901 ug/l

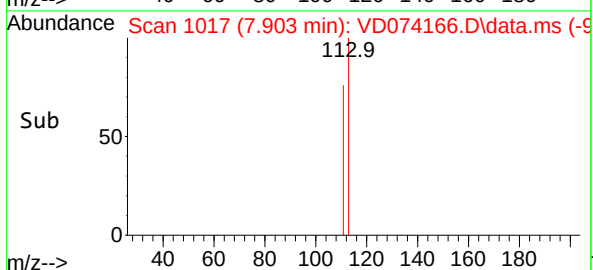
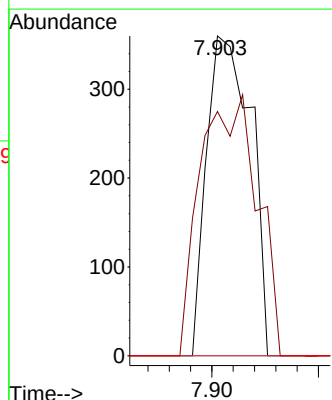
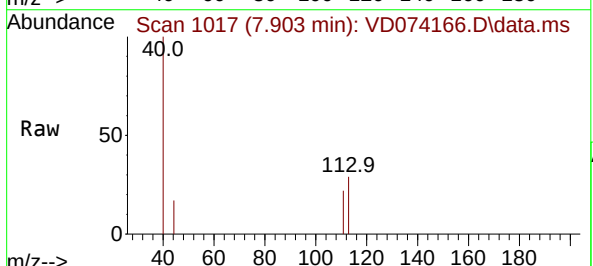
RT: 7.903 min Scan# 1017

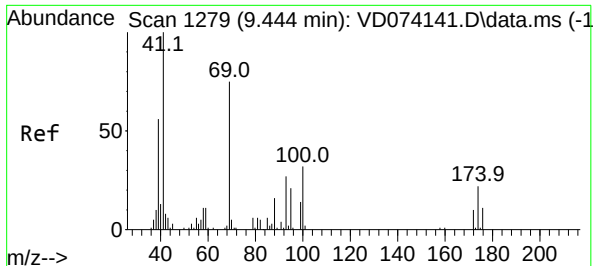
Delta R.T. -0.000 min

Lab File: VD074166.D

Acq: 19 Aug 2022 23:45

Tgt Ion:113	Resp:	522
Ion Ratio	Lower	Upper
113	100	
111	104.8	83.8 125.6
192	0.0	14.6 21.8





#48

Methyl methacrylate

Concen: 7.306 ug/l

RT: 9.679 min Scan# 11

Delta R.T. 0.235 min

Lab File: VD074166.D

Acq: 19 Aug 2022 23:45

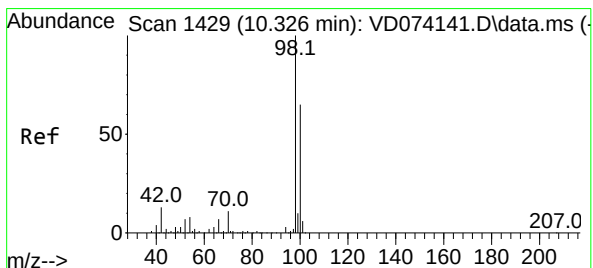
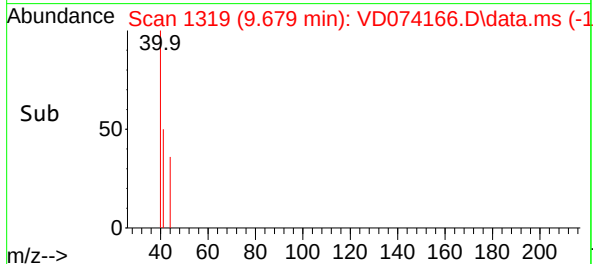
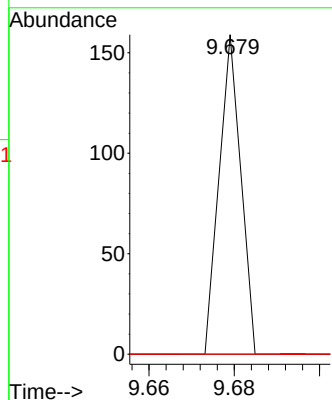
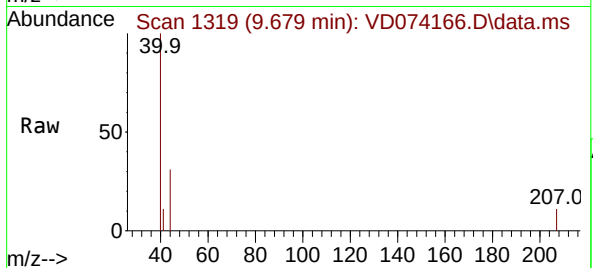
Instrument :

MSVOA_D

ClientSampleId :

BU-01-081722

Tgt Ion: 41	Resp: 56
Ion Ratio	Lower Upper
41	100
69	0.0 56.7 85.1#
39	0.0 42.7 64.1#



#50

Toluene-d8

Concen: 51.367 ug/l

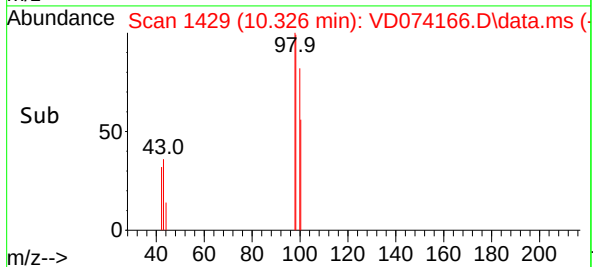
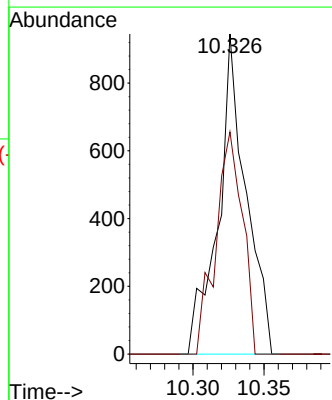
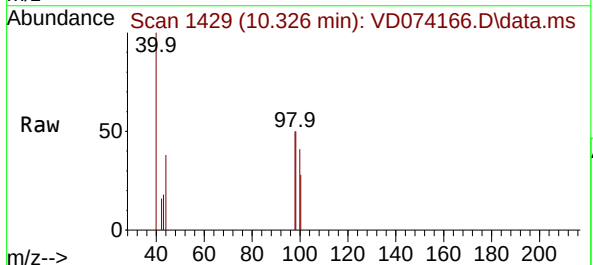
RT: 10.326 min Scan# 1429

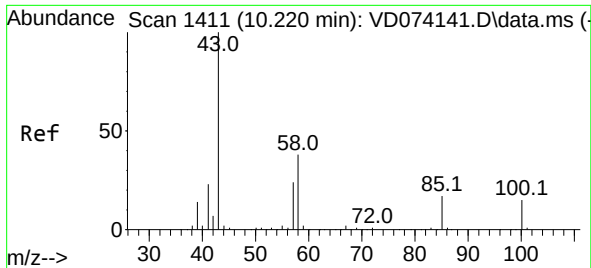
Delta R.T. 0.000 min

Lab File: VD074166.D

Acq: 19 Aug 2022 23:45

Tgt Ion: 98	Resp: 1284
Ion Ratio	Lower Upper
98	100
100	67.1 52.4 78.6

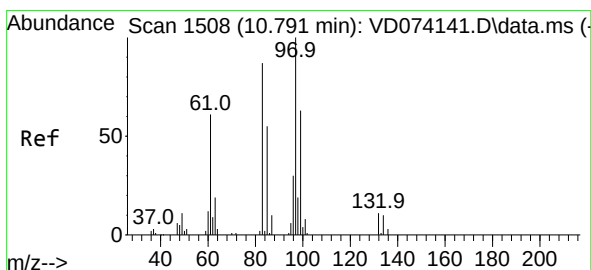
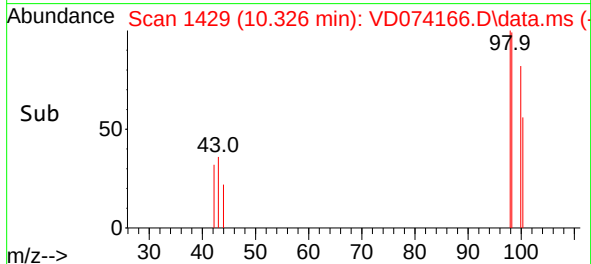
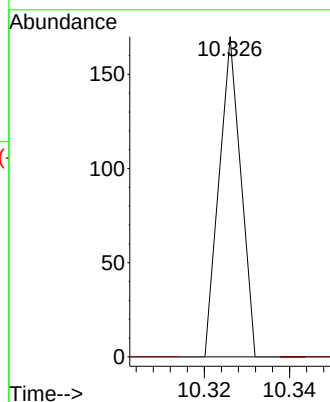
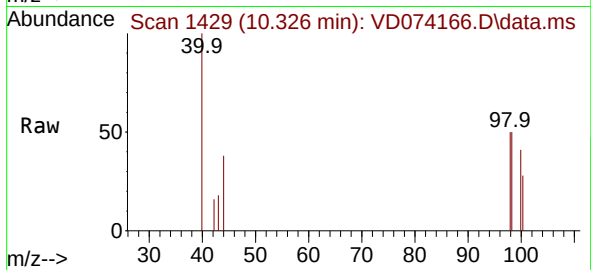




#51
4-Methyl-2-Pentanone
Concen: 7.495 ug/l
RT: 10.326 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

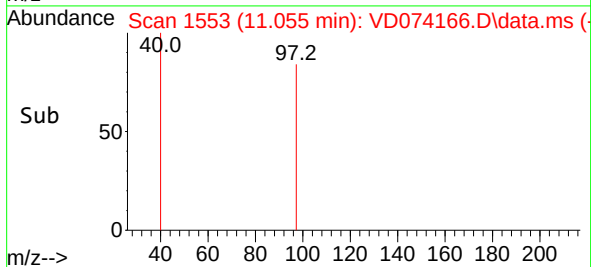
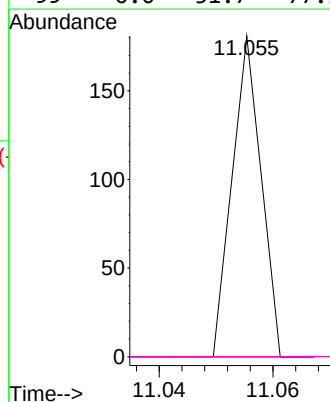
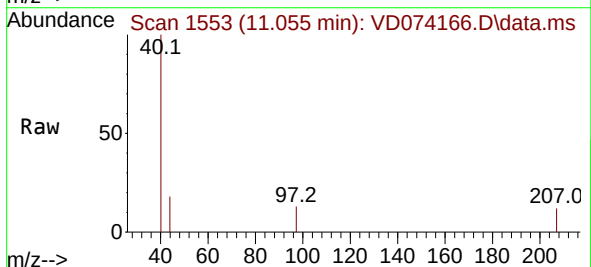
Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722

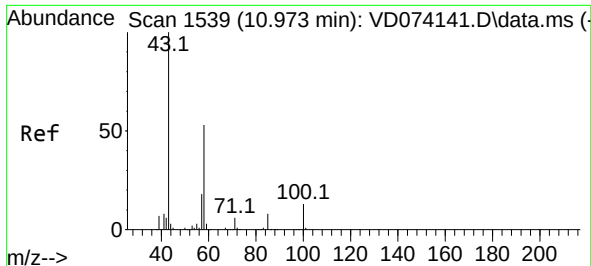
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#55
1,1,2-Trichloroethane
Concen: 6.649 ug/l
RT: 11.055 min Scan# 1553
Delta R.T. 0.264 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

Tgt Ion: 97 Resp: 64
Ion Ratio Lower Upper
97 100
83 0.0 69.0 103.4#
85 0.0 42.6 63.8#
99 0.0 51.7 77.5#

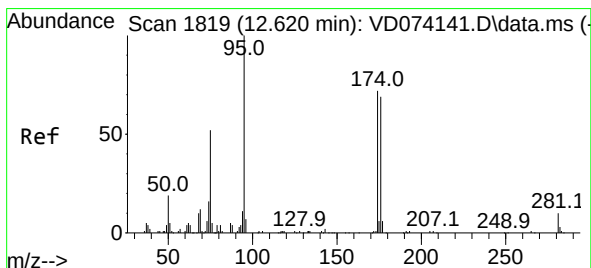
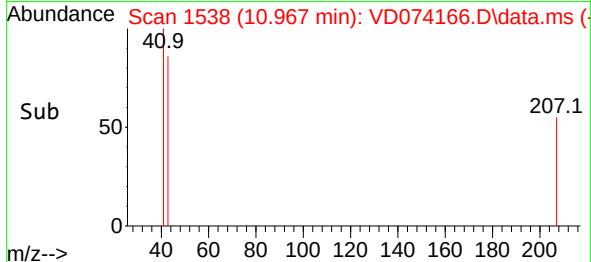
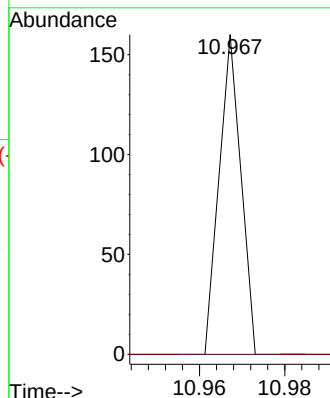
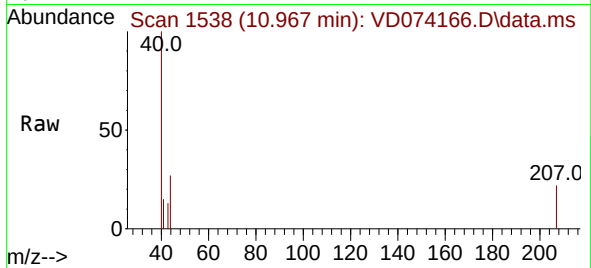




#59
2-Hexanone
Concen: 10.489 ug/l
RT: 10.967 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

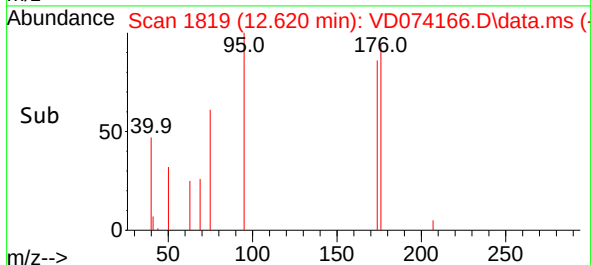
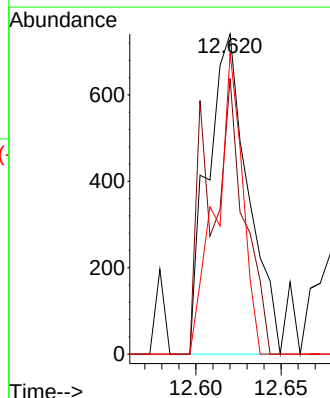
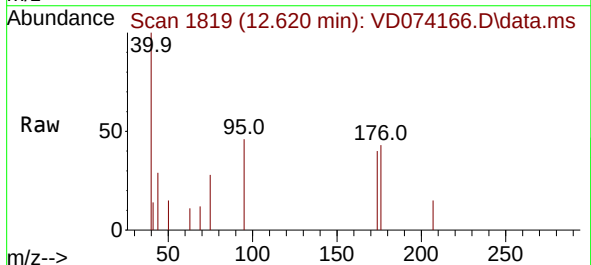
Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722

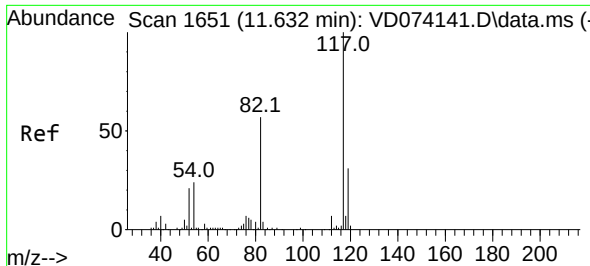
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 89.119 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

Tgt Ion: 95 Resp: 1221
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 62.2 0.0 145.4

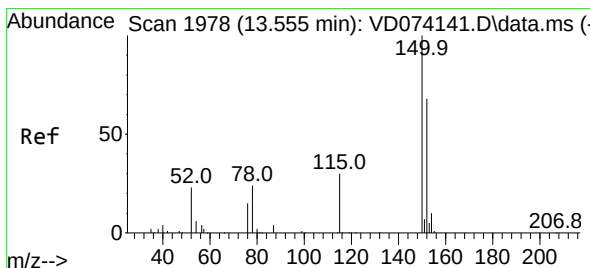
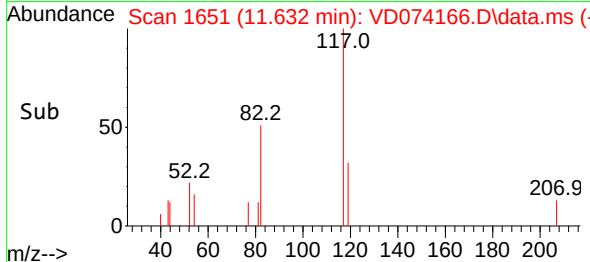
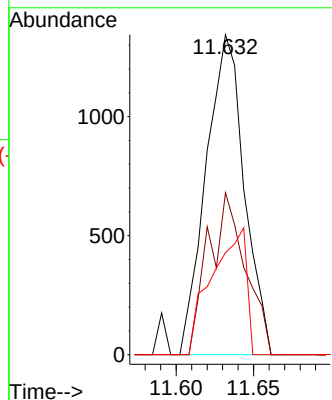
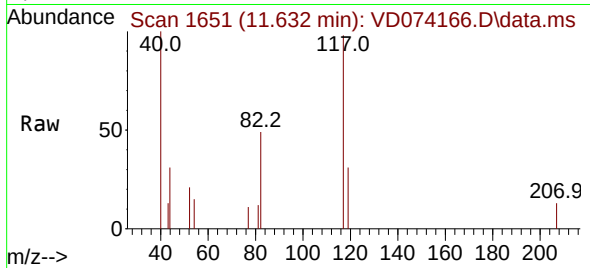




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

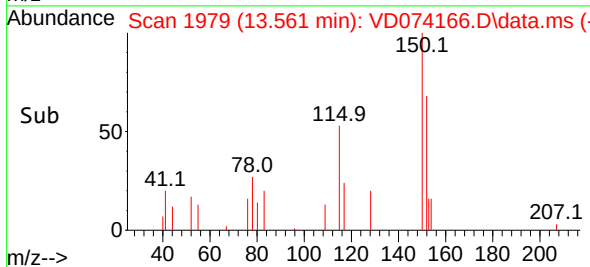
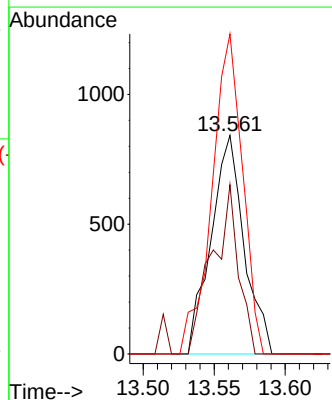
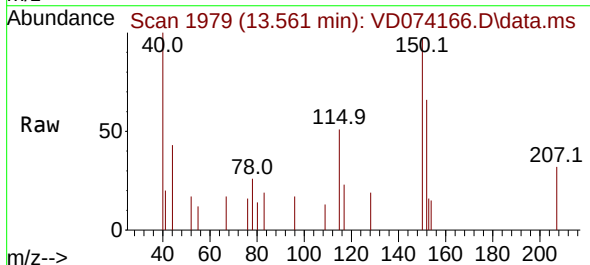
Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722

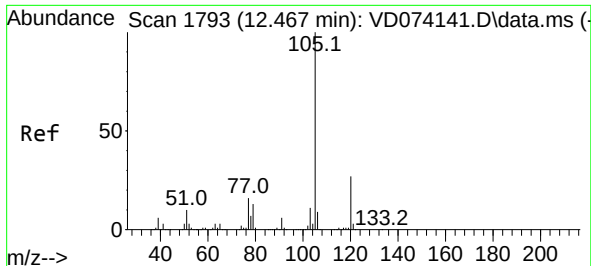
Tgt Ion:	117	Resp:	2305
Ion	Ratio	Lower	Upper
117	100		
82	50.6	45.3	67.9
119	31.9	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

Tgt Ion:	152	Resp:	1364
Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.8
150	135.4	0.0	348.6

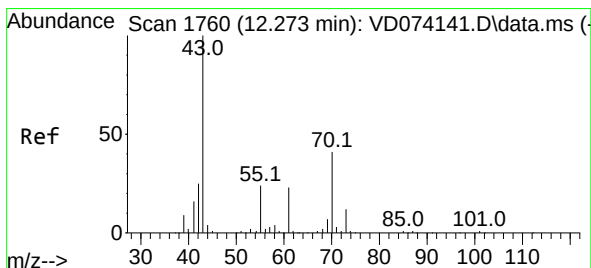
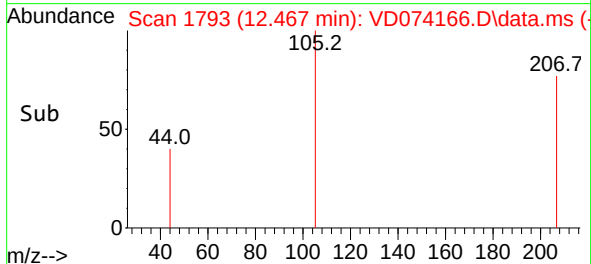
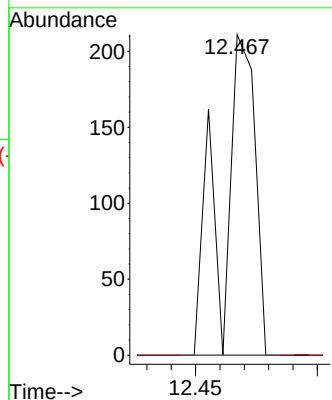
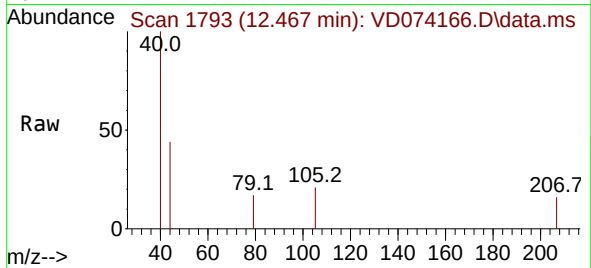




#73
Isopropylbenzene
Concen: 1.993 ug/l
RT: 12.467 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

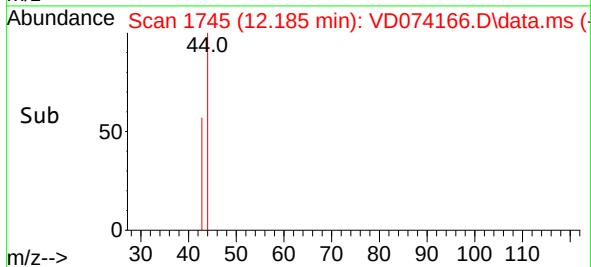
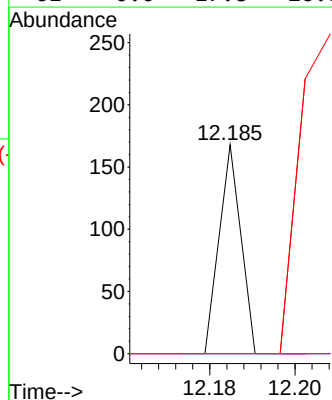
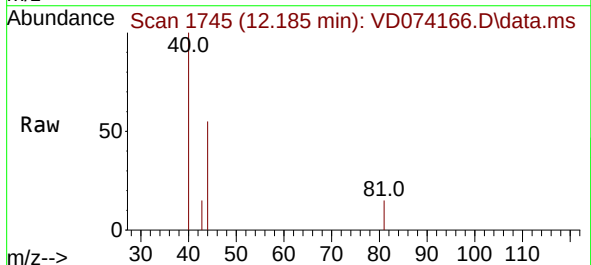
Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722

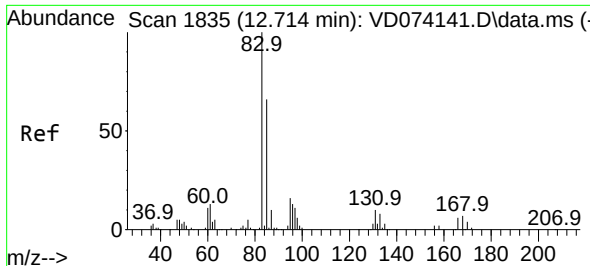
Tgt Ion:105 Resp: 198
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#



#74
N-ethyl acetate
Concen: 2.366 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.088 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

Tgt Ion: 43 Resp: 59
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#

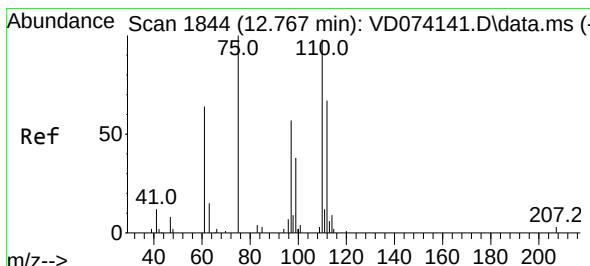
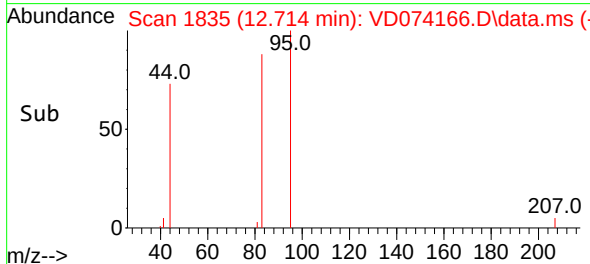
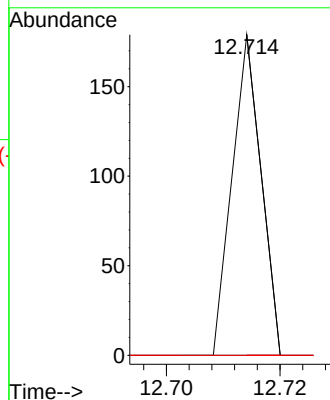
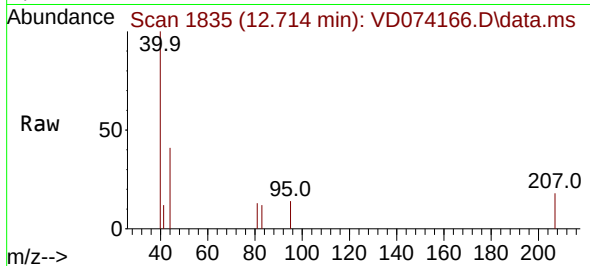




#75
 1,1,2,2-Tetrachloroethane
 Concen: 3.313 ug/l
 RT: 12.714 min Scan# 1835
 Delta R.T. 0.000 min
 Lab File: VD074166.D
 Acq: 19 Aug 2022 23:45

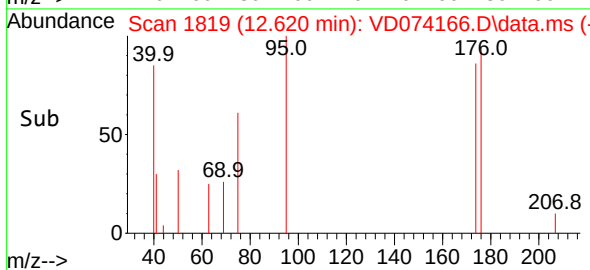
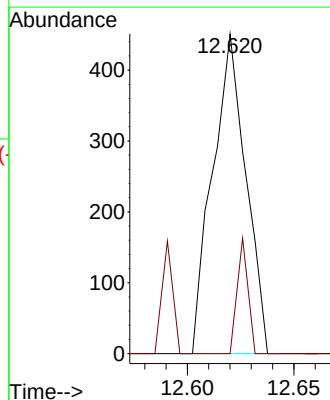
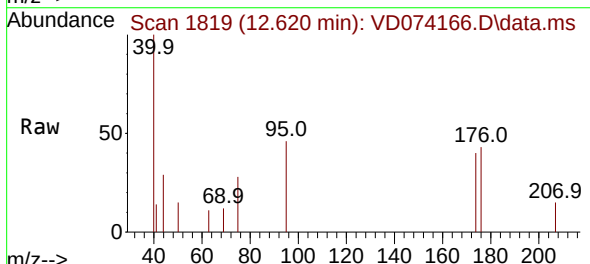
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-01-081722

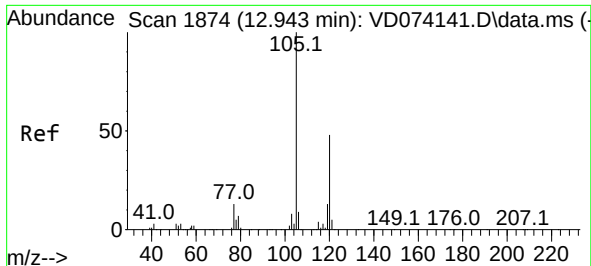
Tgt Ion: 83 Resp: 63
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 0.0 32.6 98.0#



#76
 1,2,3-Trichloropropane
 Concen: 34.689 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD074166.D
 Acq: 19 Aug 2022 23:45

Tgt Ion: 75 Resp: 490
 Ion Ratio Lower Upper
 75 100
 77 11.8 0.0 0.0#

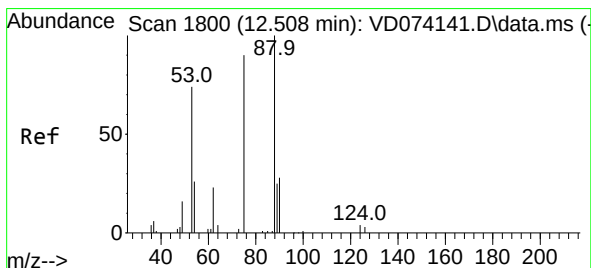
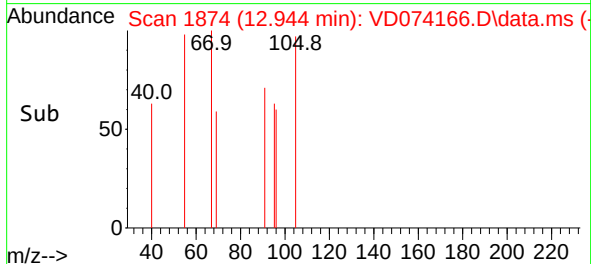
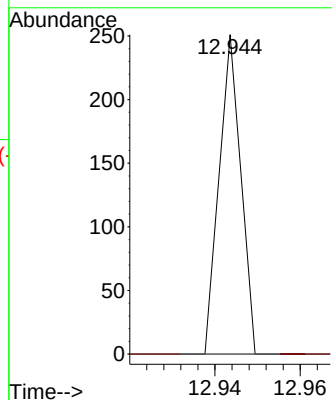
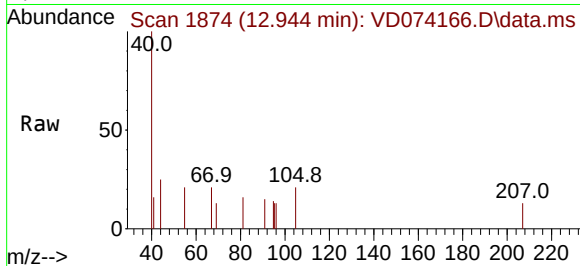




#80
 1,3,5-Trimethylbenzene
 Concen: 1.072 ug/l
 RT: 12.944 min Scan# 1819
 Delta R.T. 0.001 min
 Lab File: VD074166.D
 Acq: 19 Aug 2022 23:45

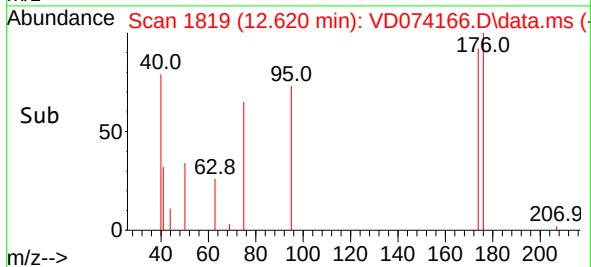
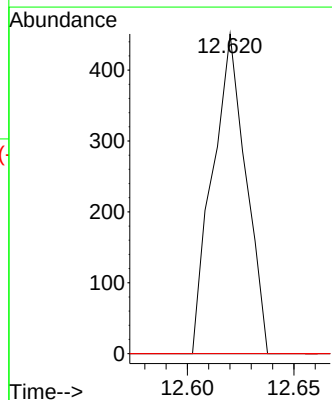
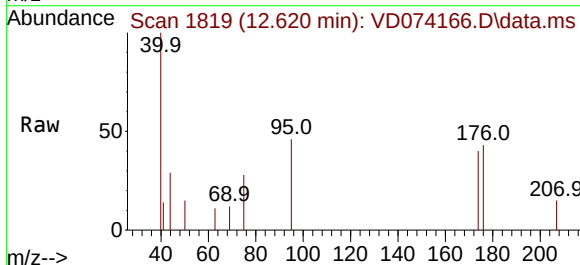
Instrument :
 MSVOA_D
 ClientSampleId :
 BU-01-081722

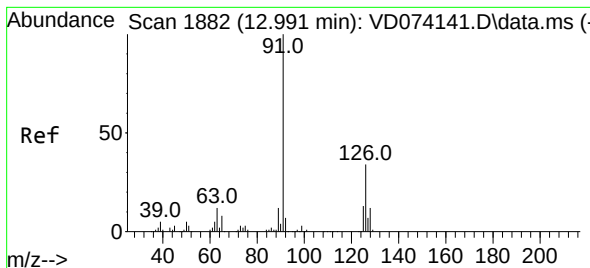
Tgt Ion:105 Resp: 89
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.3 72.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.773 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.112 min
 Lab File: VD074166.D
 Acq: 19 Aug 2022 23:45

Tgt Ion: 75 Resp: 490
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#





#82

4-Chlorotoluene

Concen: 2.245 ug/l

RT: 12.996 min Scan# 1883

Delta R.T. 0.005 min

Lab File: VD074166.D

Acq: 19 Aug 2022 23:45

Instrument :

MSVOA_D

ClientSampleId :

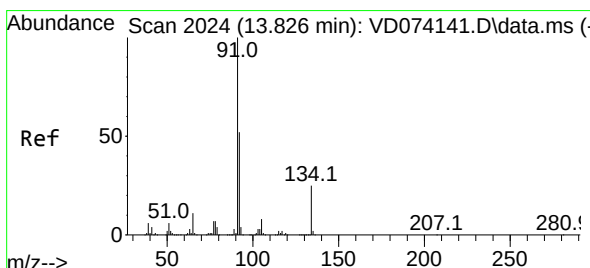
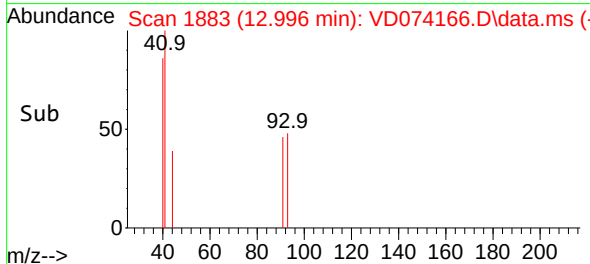
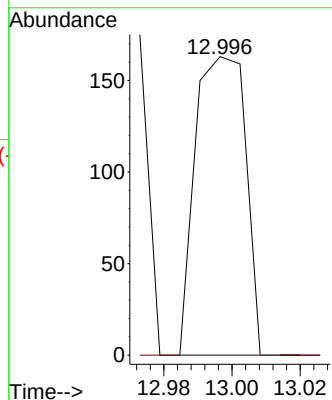
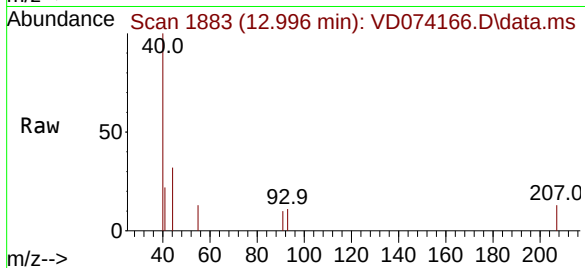
BU-01-081722

Tgt Ion: 91 Resp: 167

Ion Ratio Lower Upper

91 100

126 0.0 16.5 49.5#



#89

n-Butylbenzene

Concen: 2.915 ug/l

RT: 13.820 min Scan# 2023

Delta R.T. -0.006 min

Lab File: VD074166.D

Acq: 19 Aug 2022 23:45

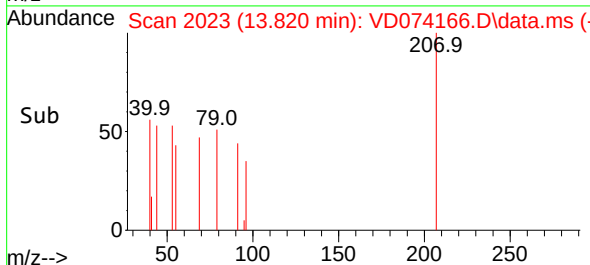
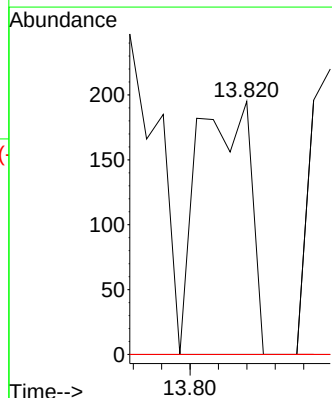
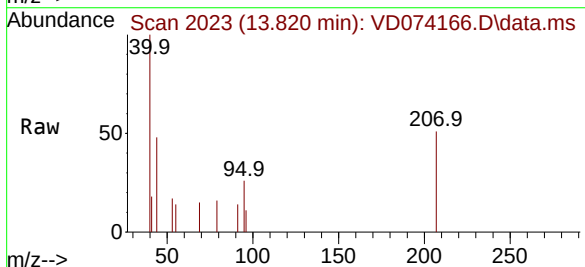
Tgt Ion: 91 Resp: 252

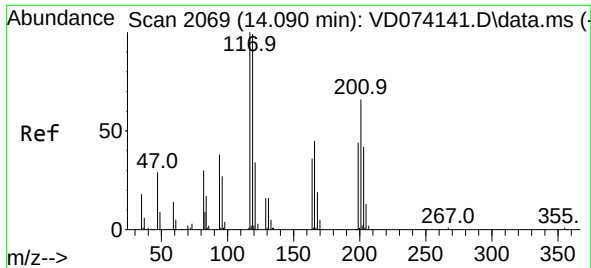
Ion Ratio Lower Upper

91 100

92 0.0 26.6 79.8#

134 0.0 12.3 36.9#

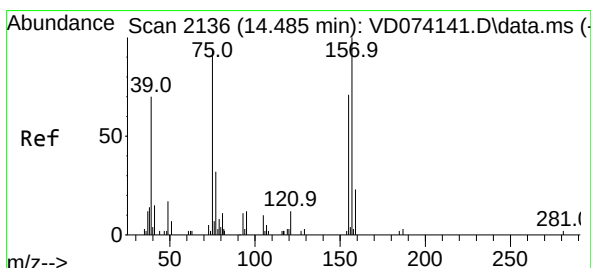
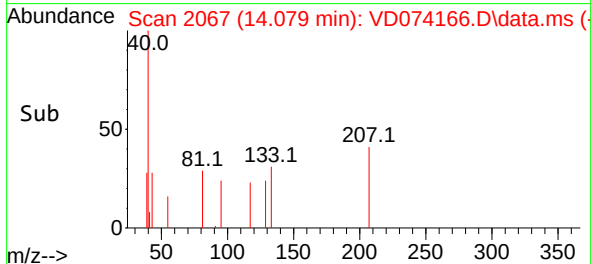
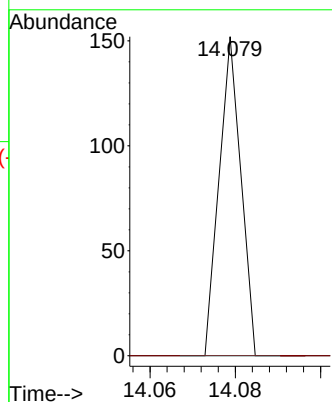
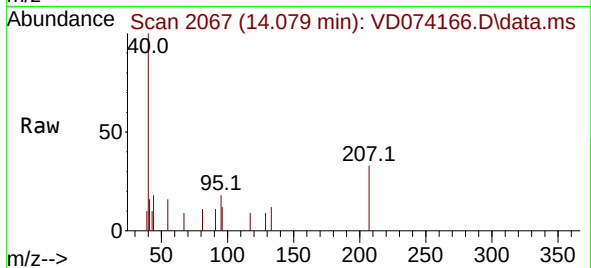




#90
Hexachloroethane
Concen: 3.117 ug/l
RT: 14.079 min Scan# 2069
Delta R.T. -0.011 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

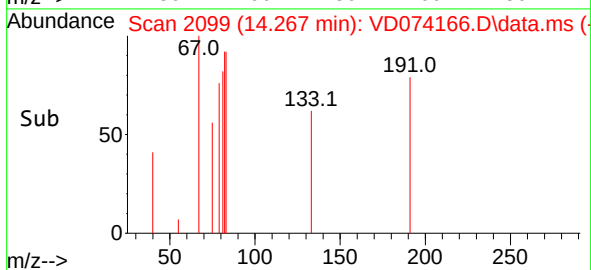
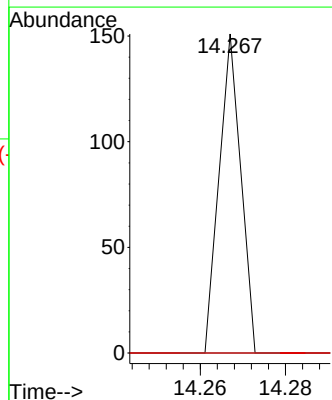
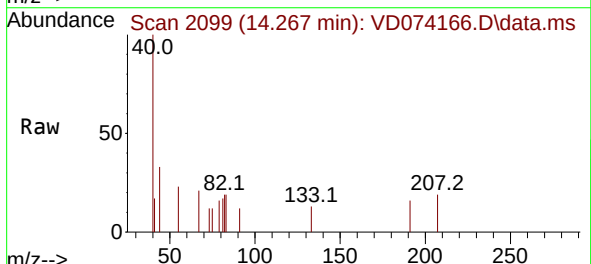
Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722

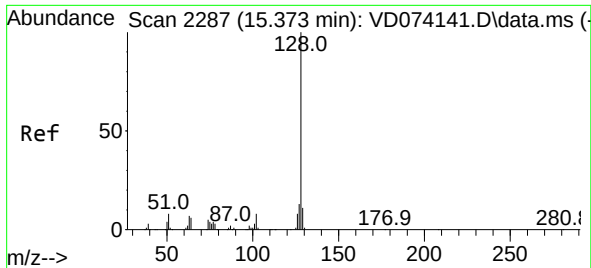
Tgt Ion:117 Resp: 54
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.239 ug/l
RT: 14.267 min Scan# 2099
Delta R.T. -0.218 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

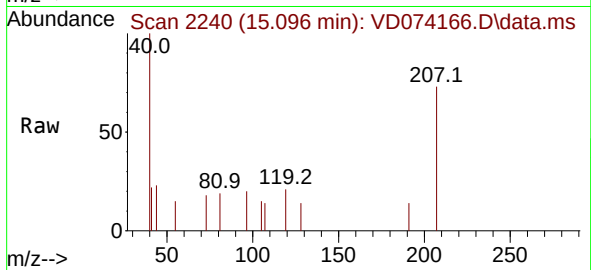
Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95
Naphthalene
Concen: 1.240 ug/l
RT: 15.096 min Scan# 21
Delta R.T. -0.277 min
Lab File: VD074166.D
Acq: 19 Aug 2022 23:45

Instrument :
MSVOA_D
ClientSampleId :
BU-01-081722



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

