

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082622\
 Data File : VD074237.D
 Acq On : 26 Aug 2022 15:28
 Operator : VA/SY
 Sample : N4323-01RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-082322RE

Quant Time: Aug 26 16:00:02 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)

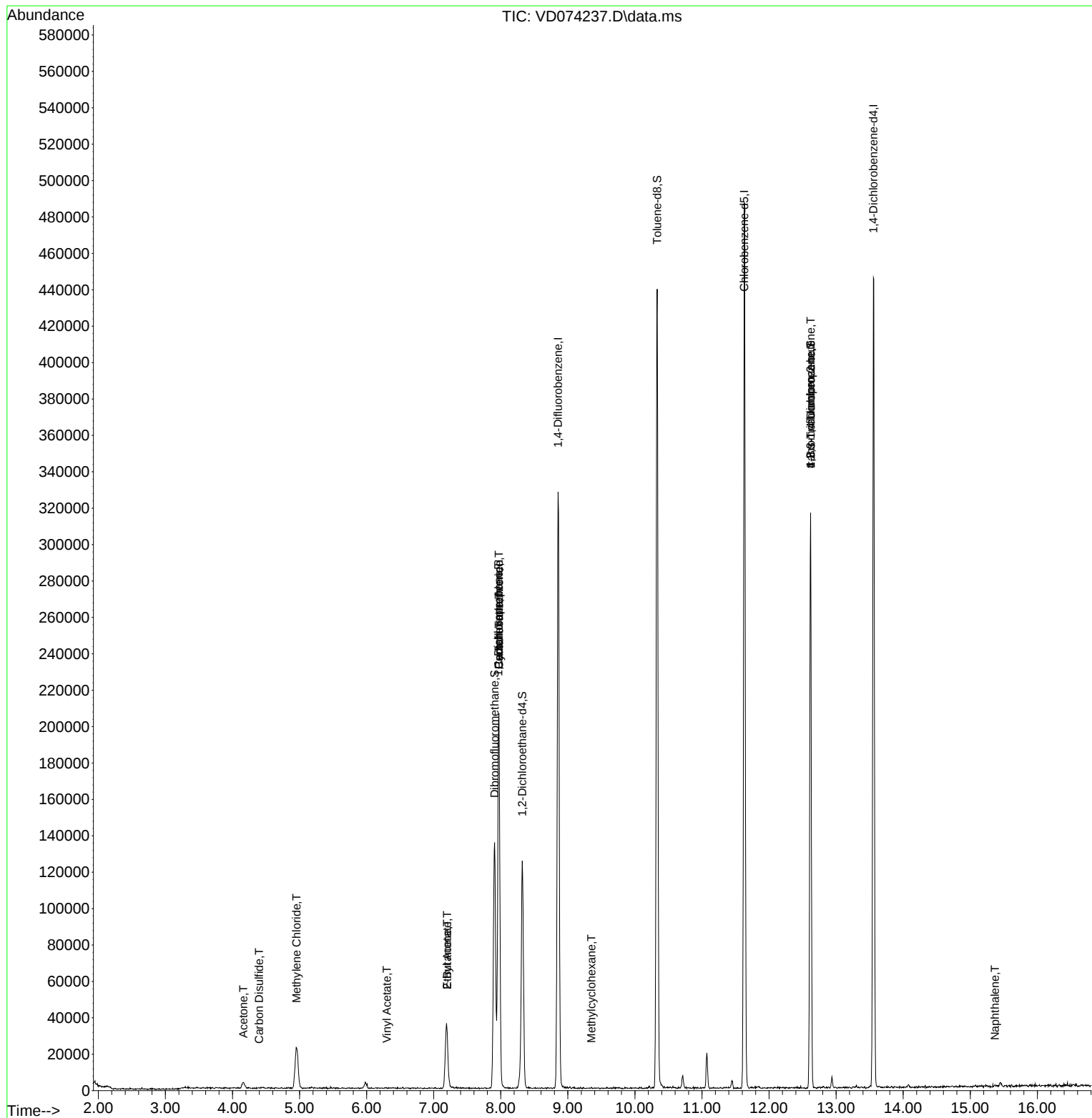
Internal Standards						
1) Pentafluorobenzene	7.973	168	151862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	283217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	273561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	121945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	103280	66.555	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.120%
35) Dibromofluoromethane	7.908	113	97808	51.630	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.260%
50) Toluene-d8	10.332	98	299138	49.064	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.620	95	103351	42.909	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.820%
Target Compounds						
					Qvalue	
16) Acetone	4.162	43	6042	20.437	ug/l #	83
17) Carbon Disulfide	4.397	76	82	2.029	ug/l #	74
18) Methyl Acetate	4.520	43	56	Below Cal	#	55
20) Methylene Chloride	4.956	84	18342	4.455	ug/l #	79
23) Vinyl Acetate	6.303	43	71	10.098	ug/l #	75
25) 2-Butanone	7.203	43	2234	4.881	ug/l #	52
31) Cyclohexane	7.973	56	3065	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	12619	4.407	ug/l #	53
37) Ethyl Acetate	7.203	43	2234	1.979	ug/l #	1
38) Carbon Tetrachloride	7.973	117	15701	5.105	ug/l #	18
39) Methylcyclohexane	9.350	83	122	2.247	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	52097	43.753	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	52097	112.518	ug/l #	7
95) Naphthalene	15.367	128	663	3.563	ug/l #	70

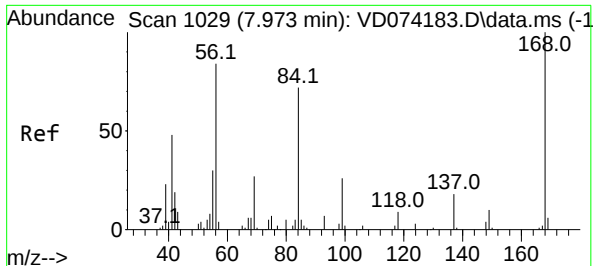
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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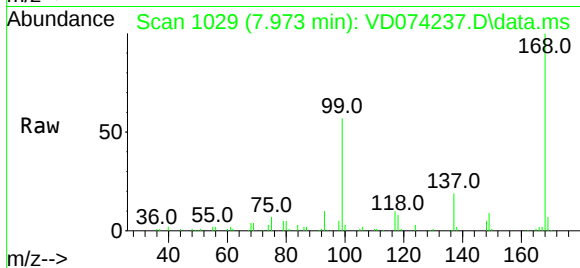
Quant Time: Aug 26 16:00:02 2022
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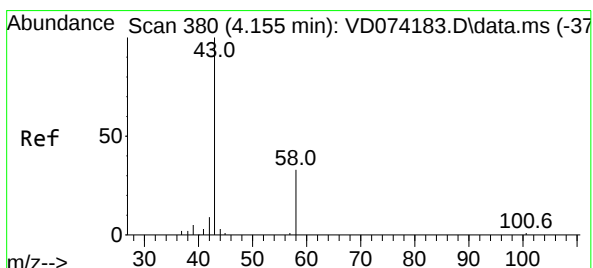
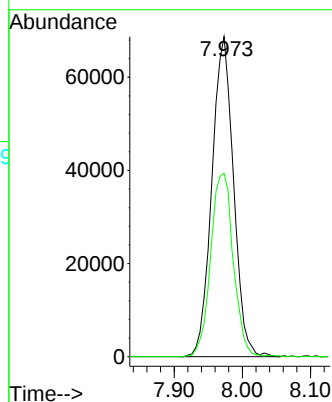
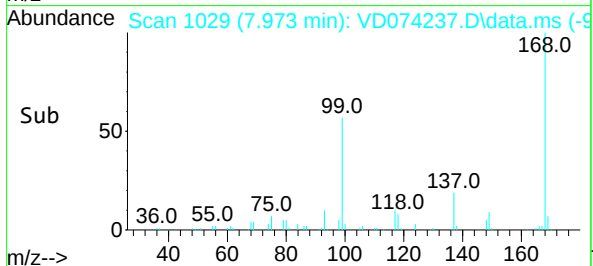


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

Instrument :
MSVOA_D
ClientSampleId :
SU-03-082322RE

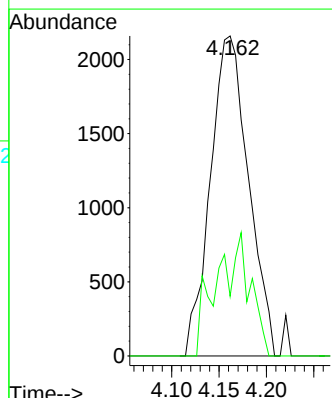
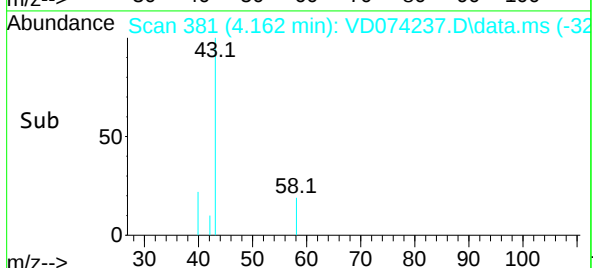
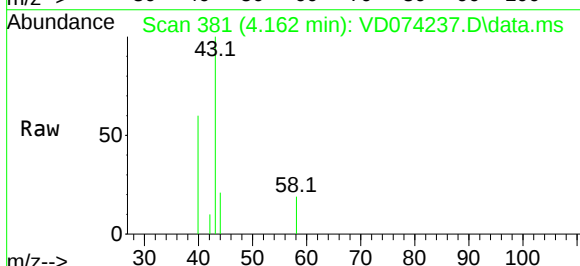


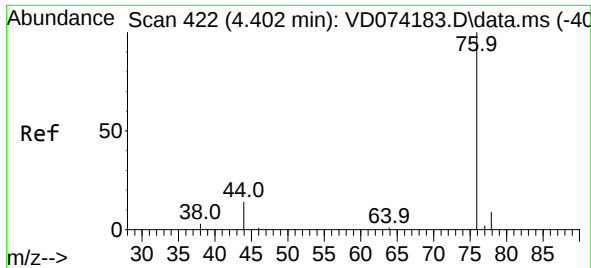
Tgt Ion:168 Resp: 151862
Ion Ratio Lower Upper
168 100
99 57.3 49.8 74.6



#16
Acetone
Concen: 20.437 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.007 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

Tgt Ion: 43 Resp: 6042
Ion Ratio Lower Upper
43 100
58 18.7 22.1 33.1#

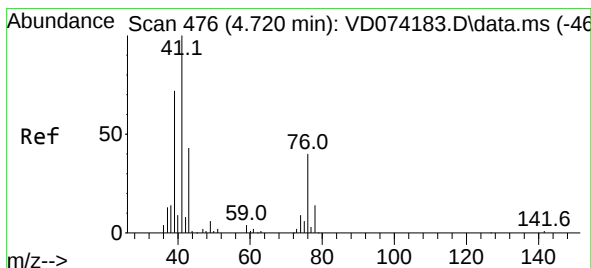
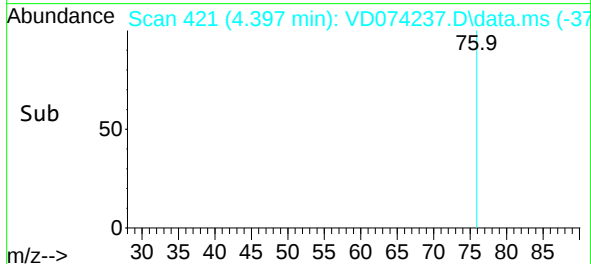
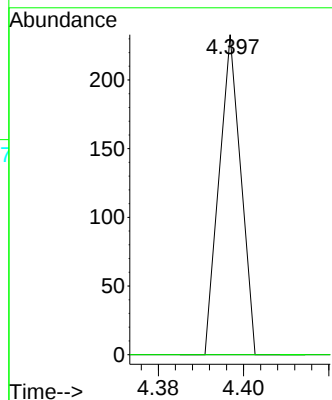
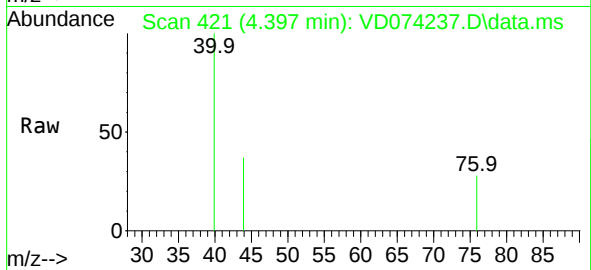




#17
Carbon Disulfide
Concen: 2.029 ug/l
RT: 4.397 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

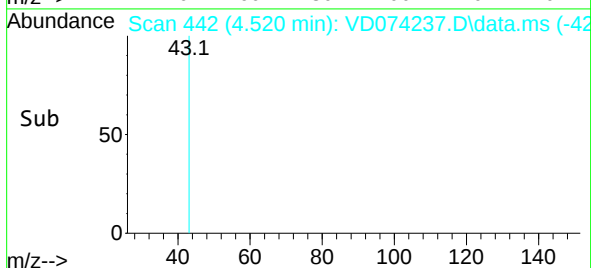
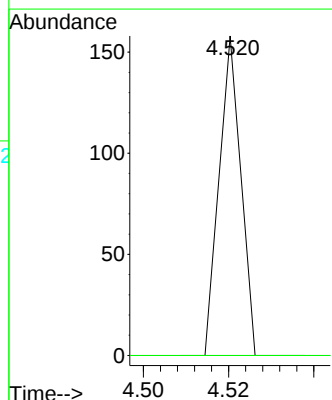
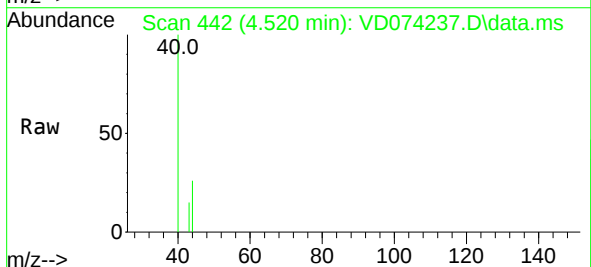
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082322RE

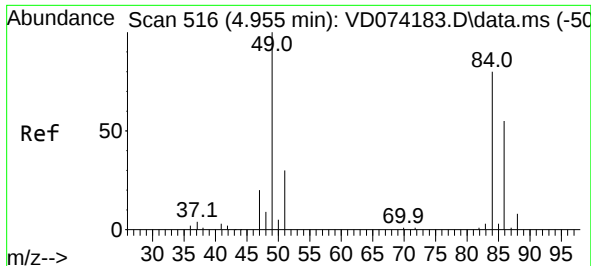
Tgt Ion: 76 Resp: 82
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.520 min Scan# 442
Delta R.T. -0.200 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 4.455 ug/l

RT: 4.956 min Scan# 516

Delta R.T. 0.001 min

Lab File: VD074237.D

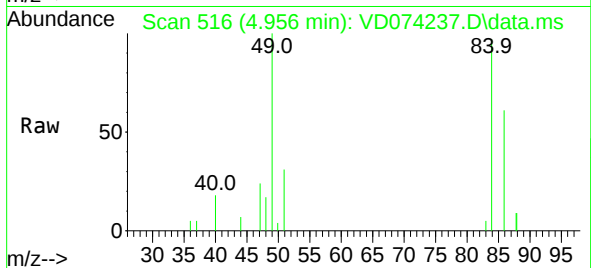
Acq: 26 Aug 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

SU-03-082322RE



Tgt Ion: 84 Resp: 18342

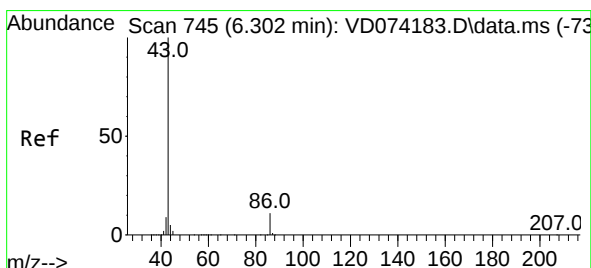
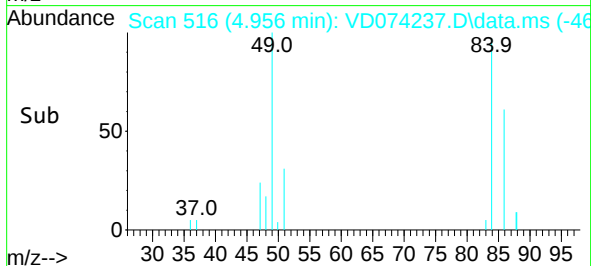
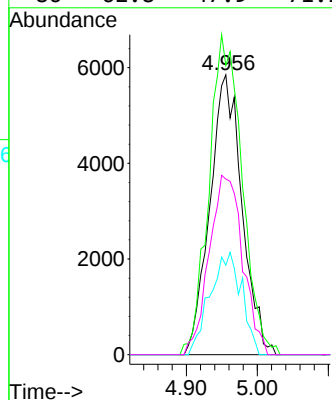
Ion Ratio Lower Upper

84 100

49 103.4 112.8 169.2#

51 31.9 32.6 48.8#

86 62.8 47.9 71.9



#23

Vinyl Acetate

Concen: 10.098 ug/l

RT: 6.303 min Scan# 745

Delta R.T. 0.001 min

Lab File: VD074237.D

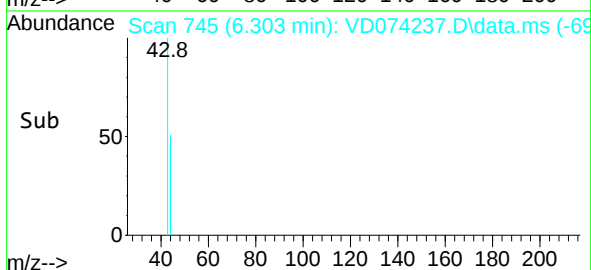
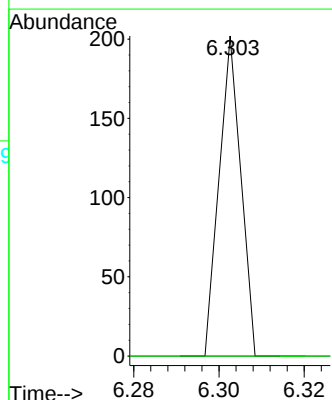
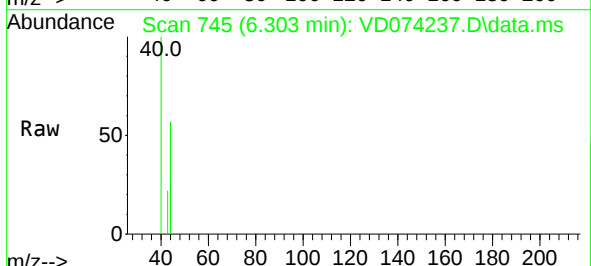
Acq: 26 Aug 2022 15:28

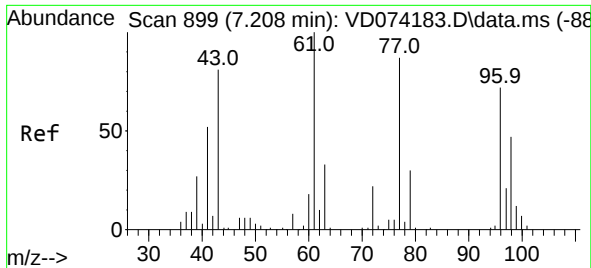
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#

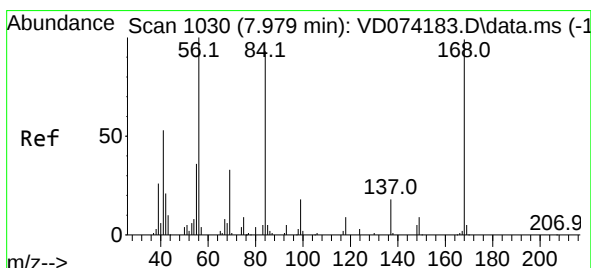
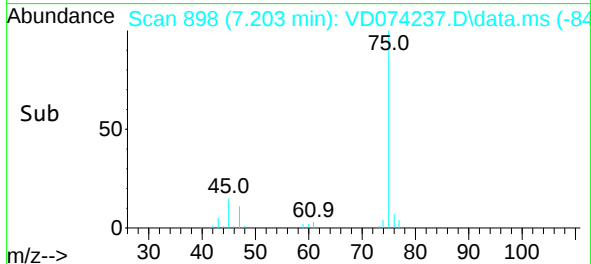
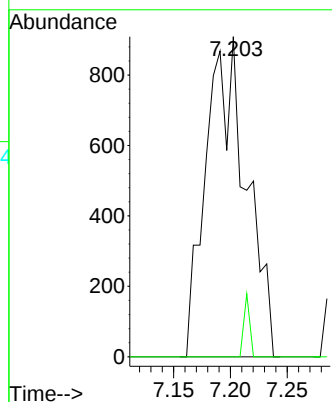
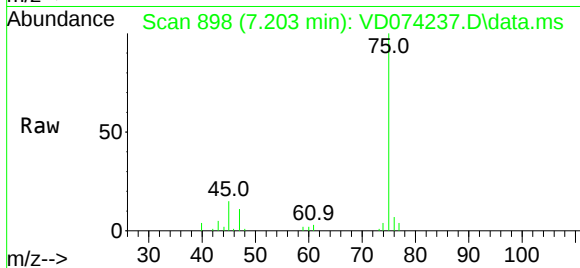




#25
2-Butanone
Concen: 4.881 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

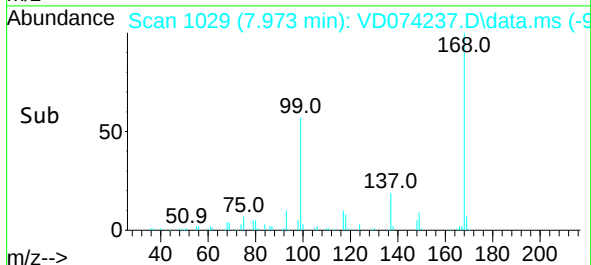
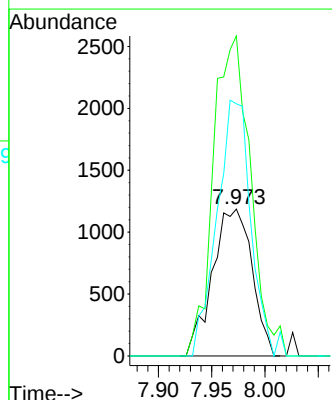
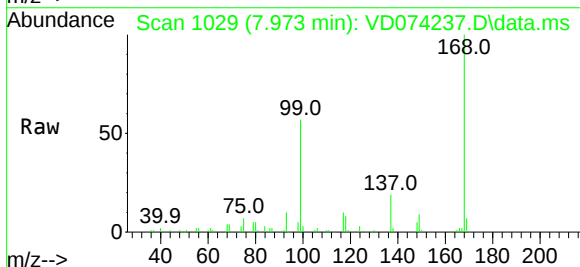
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082322RE

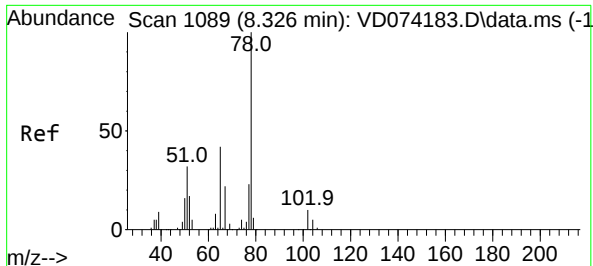
Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

Tgt Ion: 56 Resp: 3065
Ion Ratio Lower Upper
56 100
69 218.0 25.4 38.2#
84 171.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 66.555 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD074237.D

Acq: 26 Aug 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

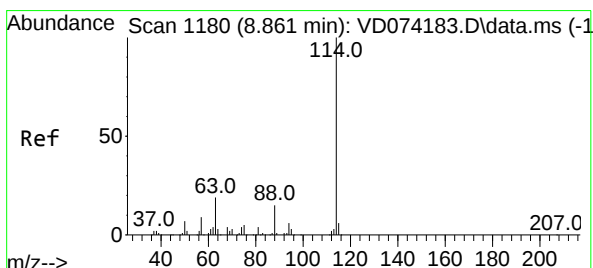
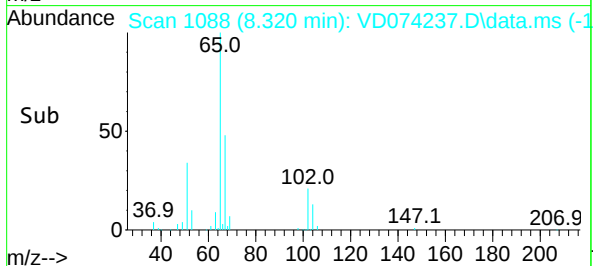
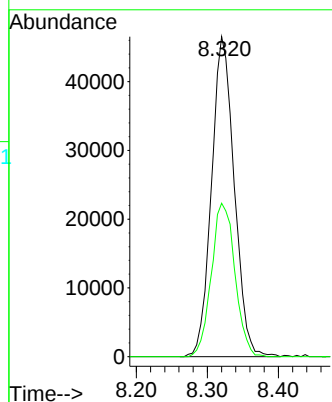
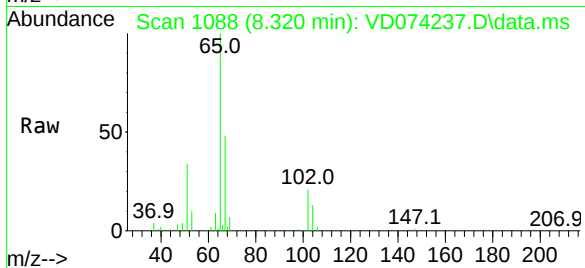
SU-03-082322RE

Tgt Ion: 65 Resp: 103280

Ion Ratio Lower Upper

65 100

67 49.7 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: VD074237.D

Acq: 26 Aug 2022 15:28

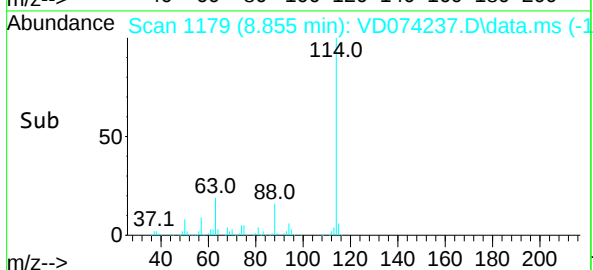
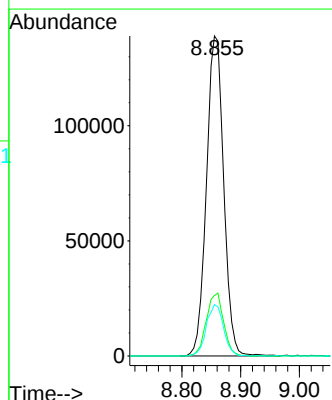
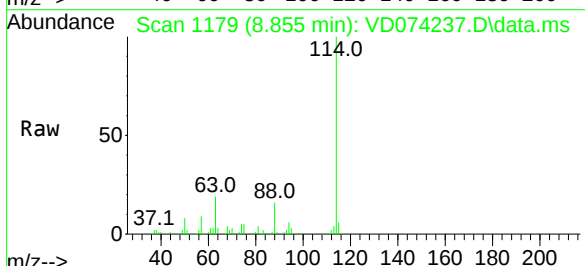
Tgt Ion: 114 Resp: 283217

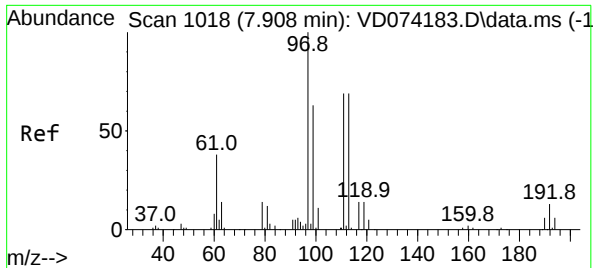
Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.630 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD074237.D

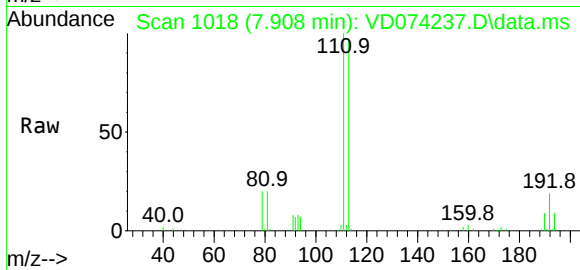
Acq: 26 Aug 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

SU-03-082322RE



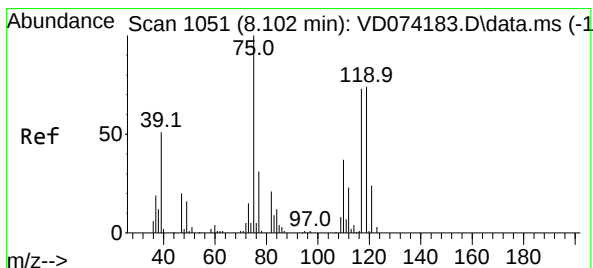
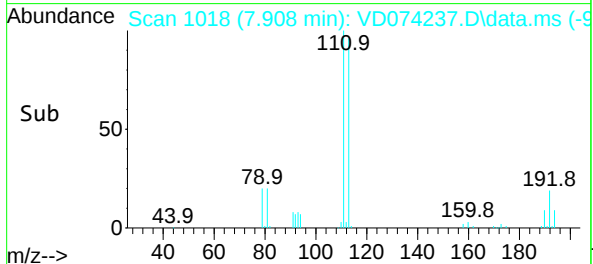
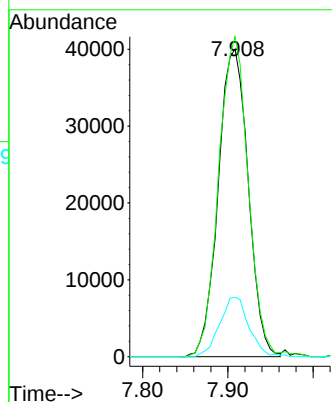
Tgt Ion:113 Resp: 97808

Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.407 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD074237.D

Acq: 26 Aug 2022 15:28

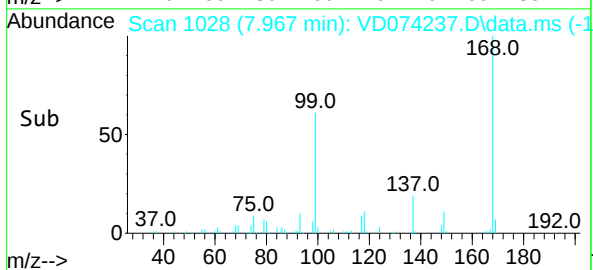
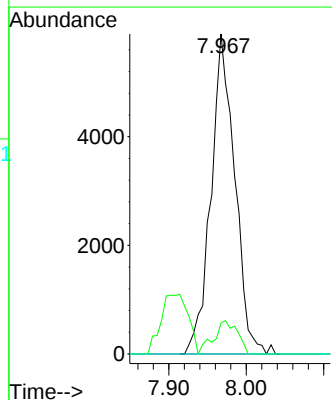
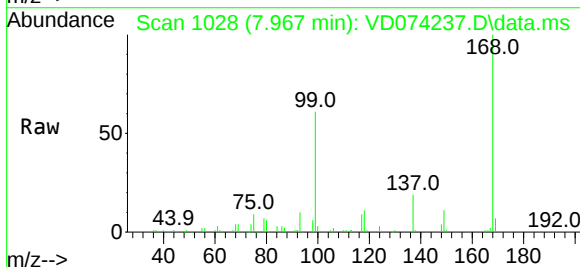
Tgt Ion: 75 Resp: 12619

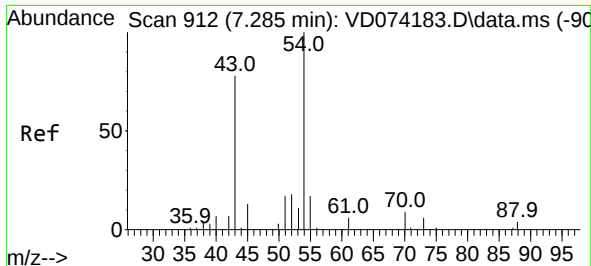
Ion Ratio Lower Upper

75 100

110 10.3 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.979 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.082 min

Lab File: VD074237.D

Acq: 26 Aug 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

SU-03-082322RE

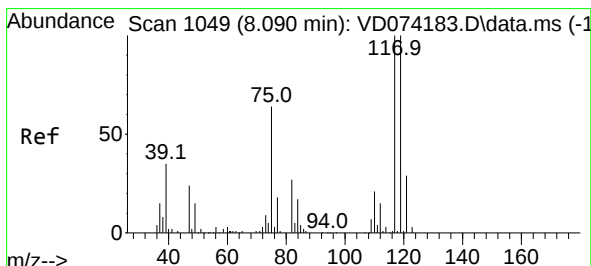
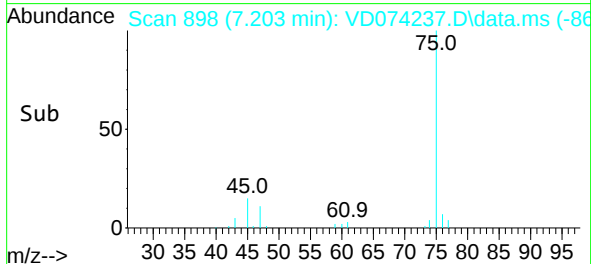
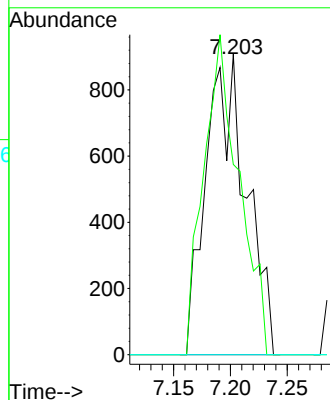
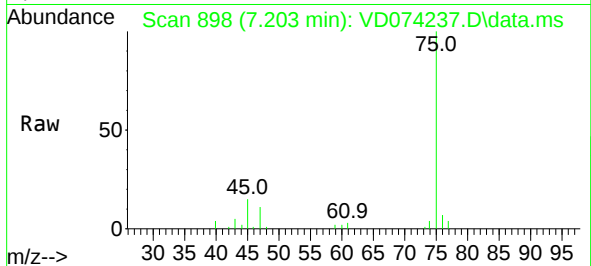
Tgt Ion: 43 Resp: 2234

Ion Ratio Lower Upper

43 100

61 93.6 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.105 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.117 min

Lab File: VD074237.D

Acq: 26 Aug 2022 15:28

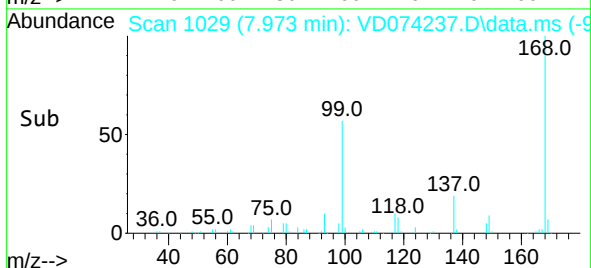
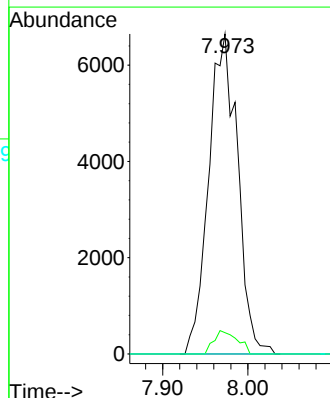
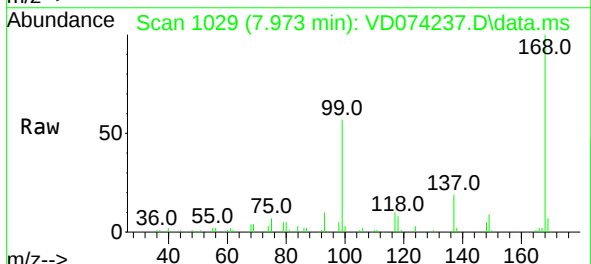
Tgt Ion: 117 Resp: 15701

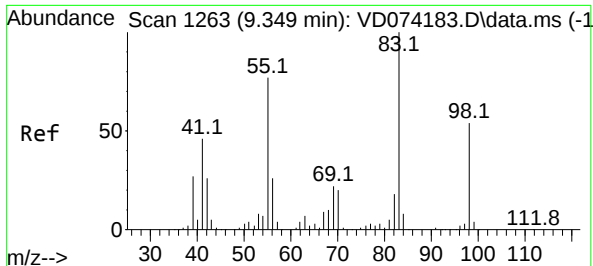
Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.247 ug/l

RT: 9.350 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD074237.D

Acq: 26 Aug 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

SU-03-082322RE

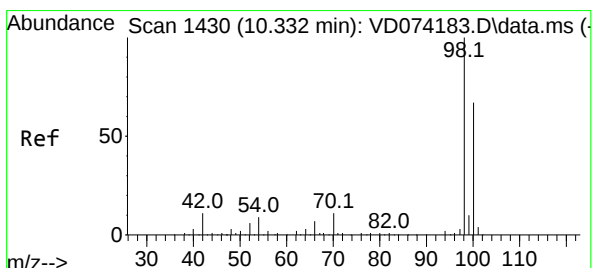
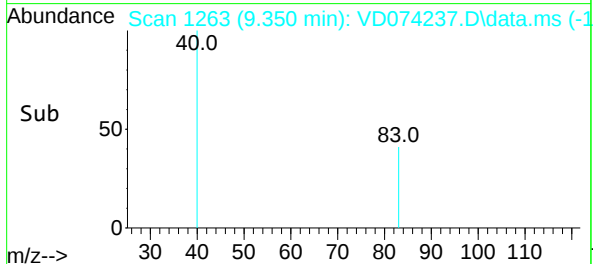
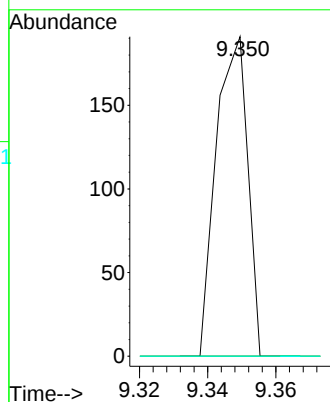
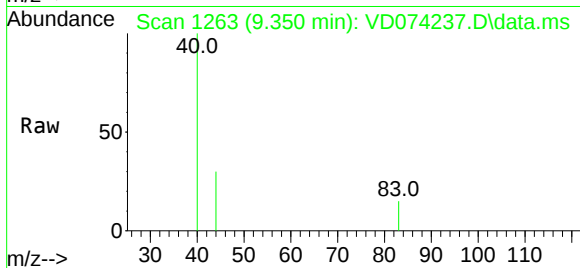
Tgt Ion: 83 Resp: 122

Ion Ratio Lower Upper

83 100

55 0.0 63.2 94.8#

98 0.0 38.2 57.4#



#50

Toluene-d8

Concen: 49.064 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074237.D

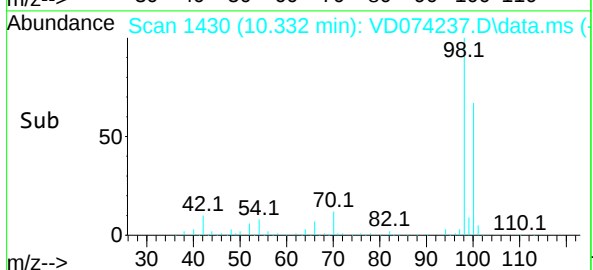
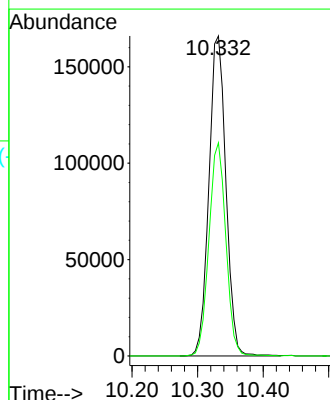
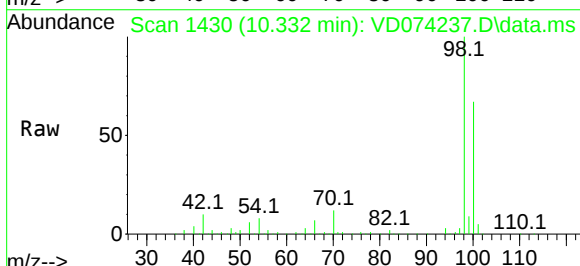
Acq: 26 Aug 2022 15:28

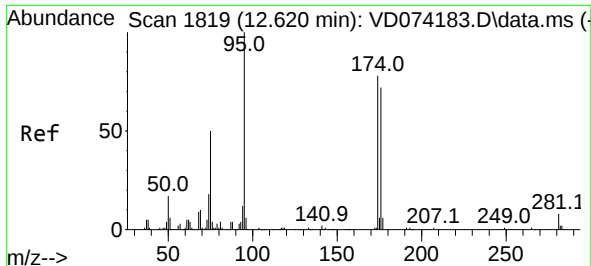
Tgt Ion: 98 Resp: 299138

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6

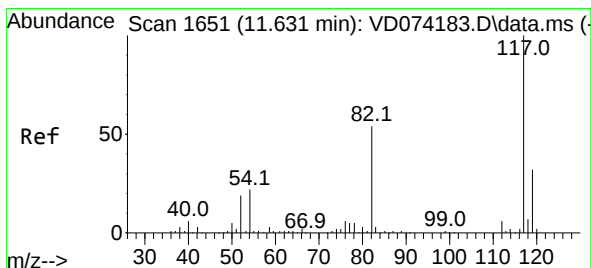
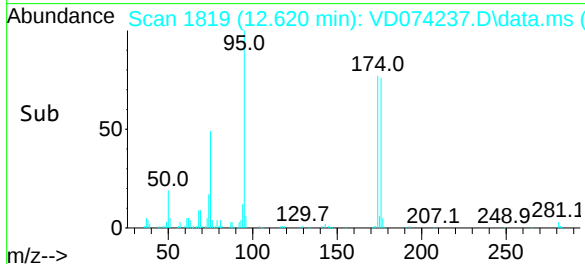
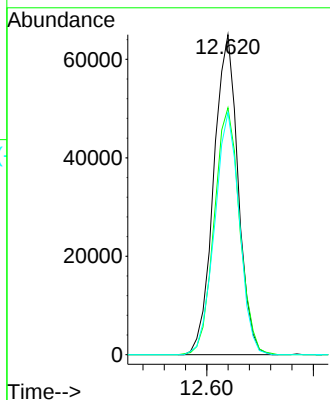
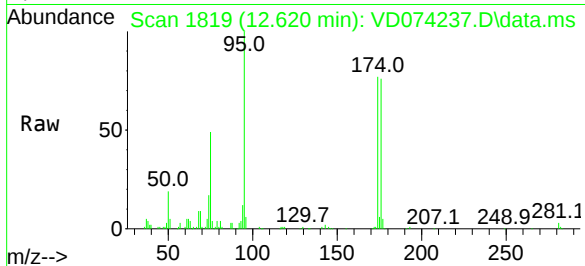




#62
4-Bromofluorobenzene
Concen: 42.909 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

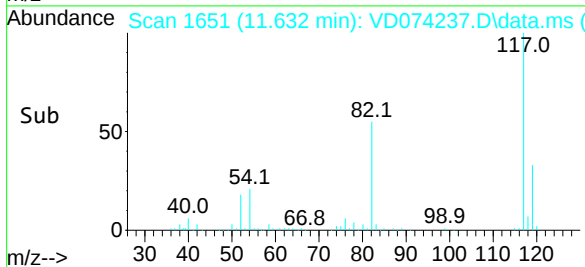
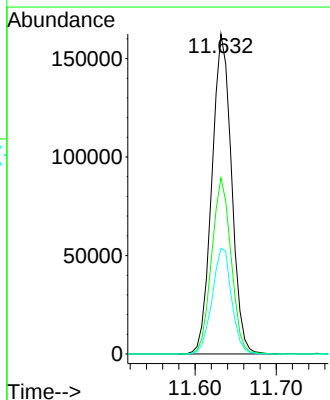
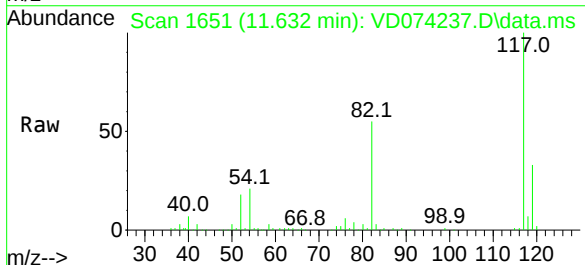
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082322RE

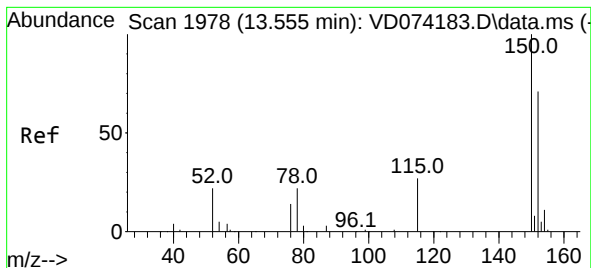
Tgt Ion: 95 Resp: 103351
Ion Ratio Lower Upper
95 100
174 80.1 0.0 152.8
176 76.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.001 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

Tgt Ion: 117 Resp: 273561
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 33.0 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1978

Delta R.T. 0.000 min

Lab File: VD074237.D

Acq: 26 Aug 2022 15:28

Instrument :

MSVOA_D

ClientSampleId :

SU-03-082322RE

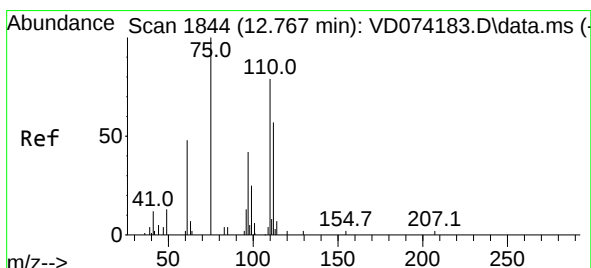
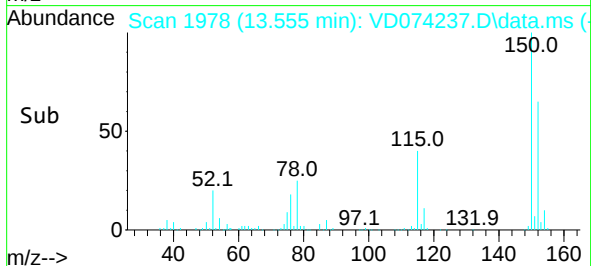
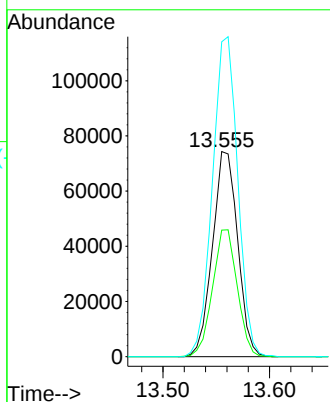
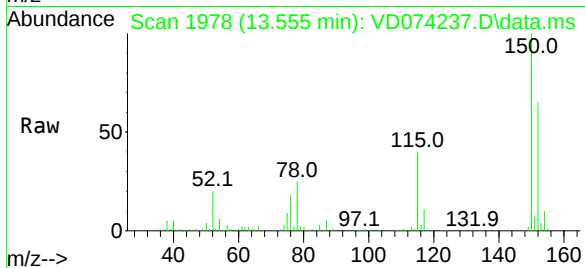
Tgt Ion:152 Resp: 121945

Ion Ratio Lower Upper

152 100

115 60.7 31.3 93.8

150 156.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 43.753 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD074237.D

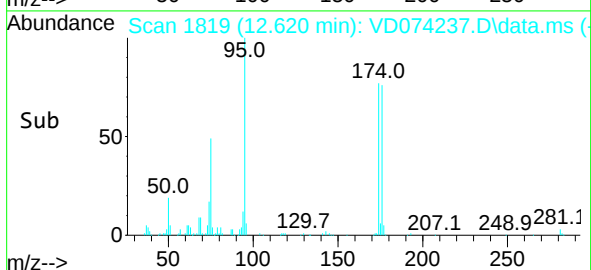
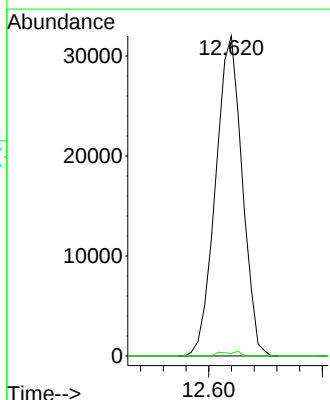
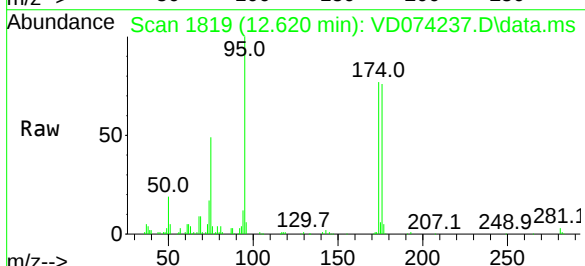
Acq: 26 Aug 2022 15:28

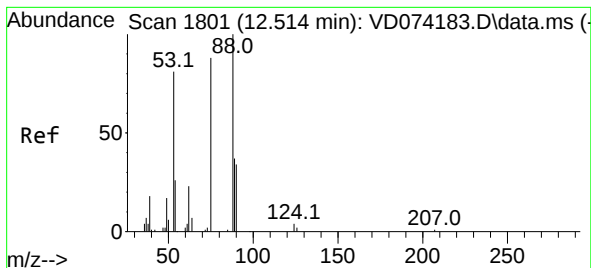
Tgt Ion: 75 Resp: 52097

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

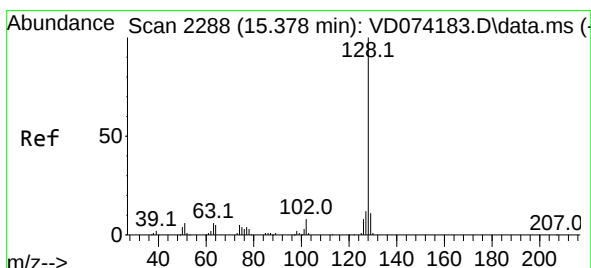
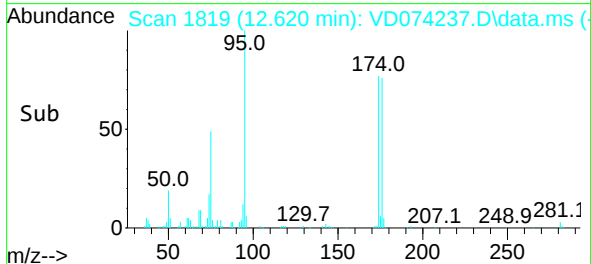
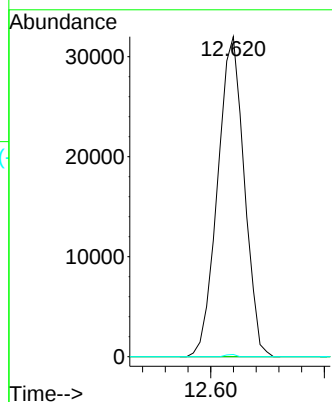
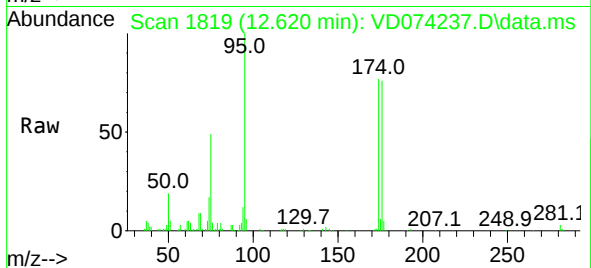




#81
trans-1,4-Dichloro-2-butene
Concen: 112.518 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

Instrument :
MSVOA_D
ClientSampleId :
SU-03-082322RE

Tgt Ion: 75 Resp: 52097
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.3 33.9 50.9#



#95
Naphthalene
Concen: 3.563 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.011 min
Lab File: VD074237.D
Acq: 26 Aug 2022 15:28

Tgt Ion: 128 Resp: 663
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

