

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049434.D
 Acq On : 28 Jun 2022 04:15
 Operator : SY/MD
 Sample : N3482-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB062022

Quant Time: Jun 28 07:15:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

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

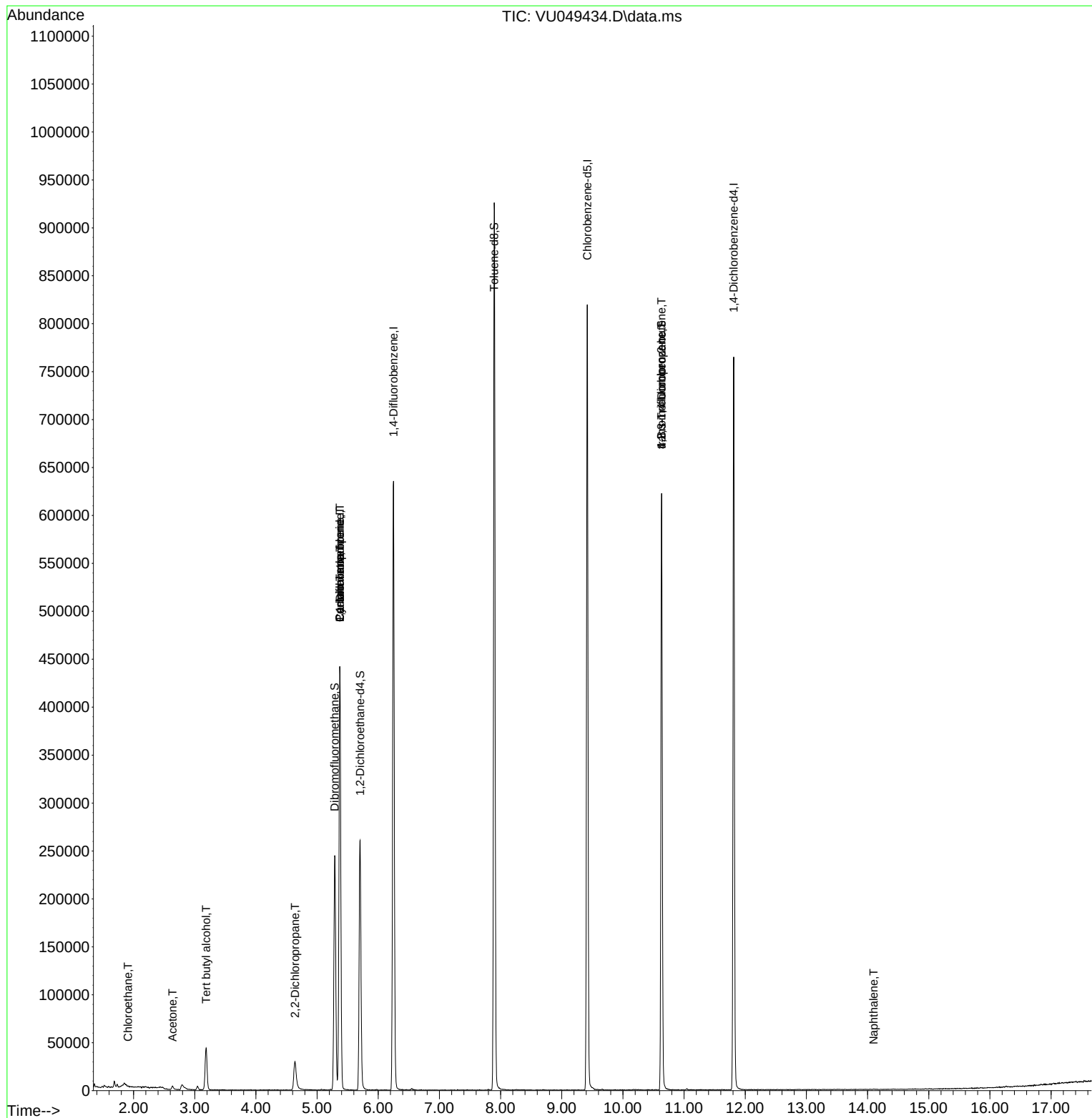
Internal Standards						
1) Pentafluorobenzene	5.372	168	301785	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	514637	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	453033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	201204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	197554	42.506	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.020%
35) Dibromofluoromethane	5.288	113	160134	44.475	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.960%
50) Toluene-d8	7.896	98	610031	47.502	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.000%
62) 4-Bromofluorobenzene	10.632	95	215082	43.721	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1830	Below Cal		96
6) Chloroethane	1.909	64	44	1.934	ug/l #	44
11) Tert butyl alcohol	3.186	59	26659	24.506	ug/l #	38
16) Acetone	2.639	43	4996	2.132	ug/l	98
20) Methylene Chloride	3.044	84	1868	Below Cal	#	73
26) 2,2-Dichloropropane	4.642	77	2360	0.390	ug/l #	52
31) Cyclohexane	5.372	56	6150	0.881	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	25447	4.874	ug/l #	48
38) Carbon Tetrachloride	5.372	117	31373	5.730	ug/l #	15
76) 1,2,3-Trichloropropane	10.632	75	107771	15.801	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	107771	58.350	ug/l #	15
95) Naphthalene	14.098	128	347	1.757	ug/l #	69

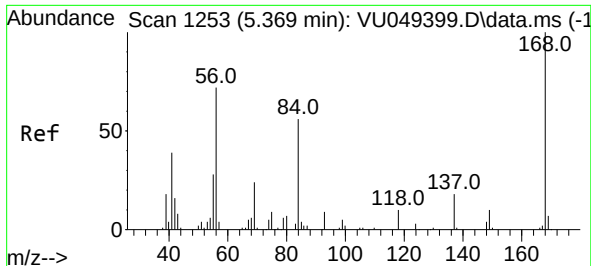
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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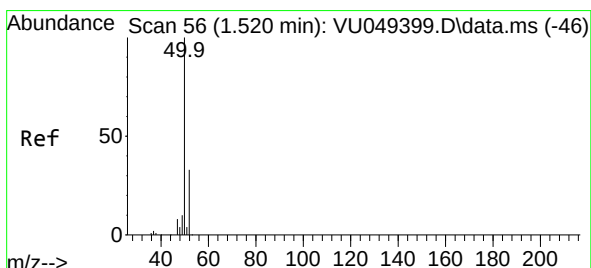
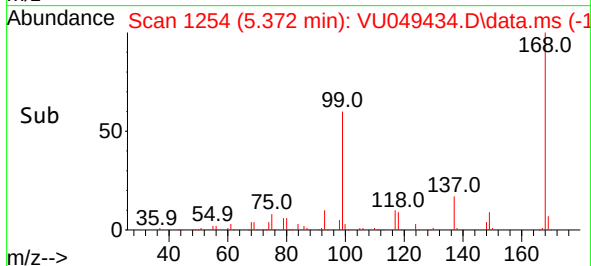
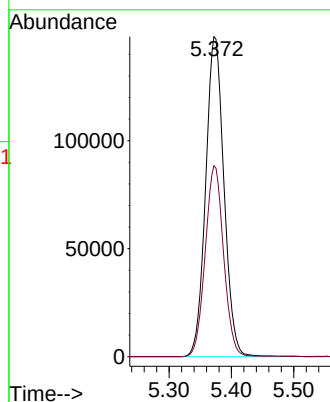
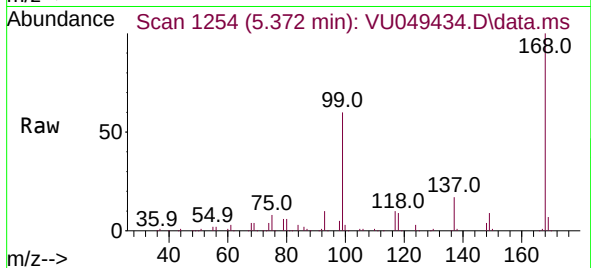




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

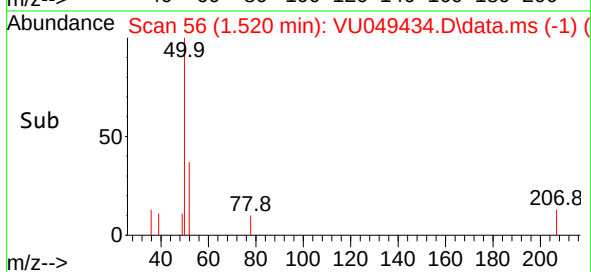
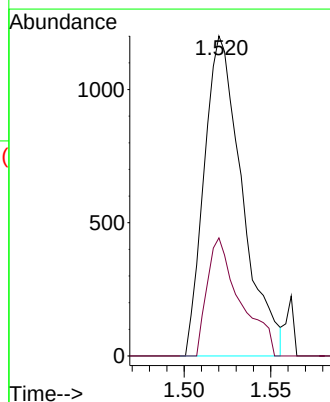
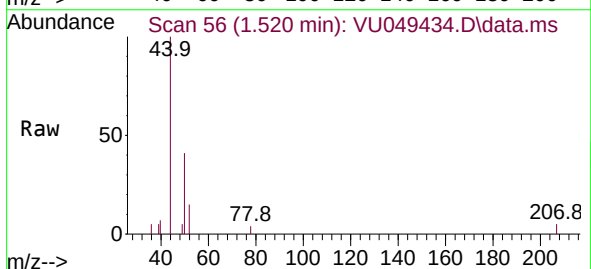
Instrument :
MSVOA_U
ClientSampleId :
FB062022

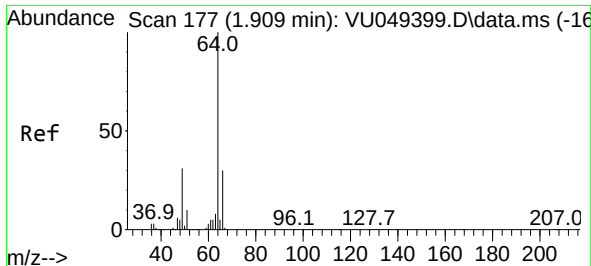
Tgt Ion:168 Resp: 301785
Ion Ratio Lower Upper
168 100
99 59.6 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Tgt Ion: 50 Resp: 1830
Ion Ratio Lower Upper
50 100
52 36.9 27.4 41.2

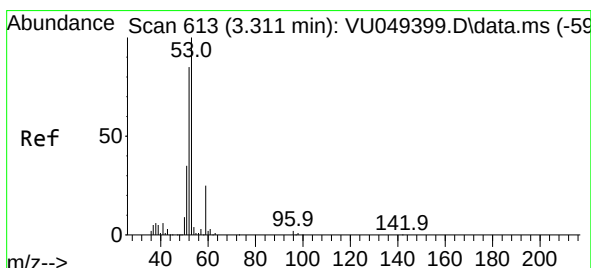
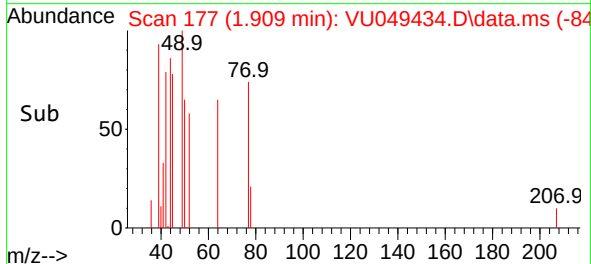
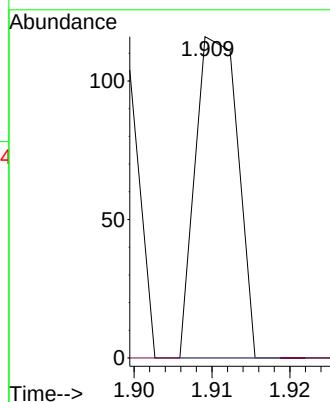
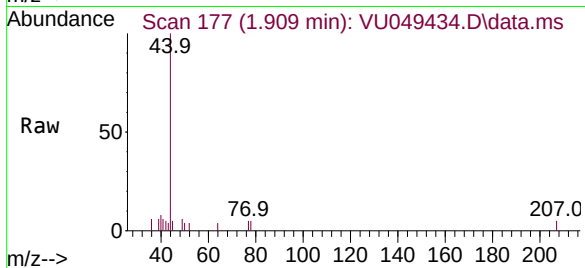




#6
Chloroethane
Concen: 1.934 ug/l
RT: 1.909 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

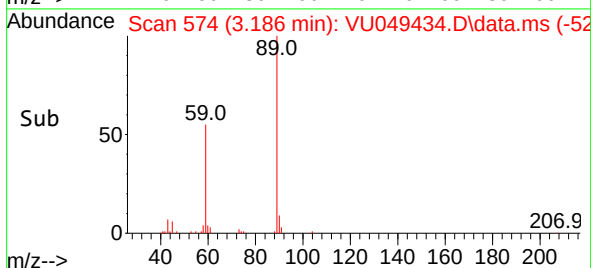
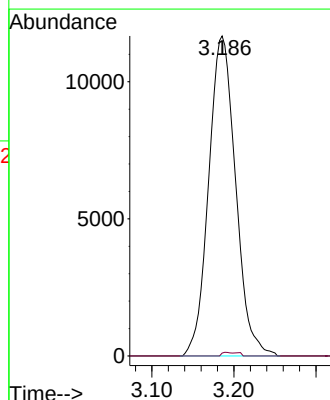
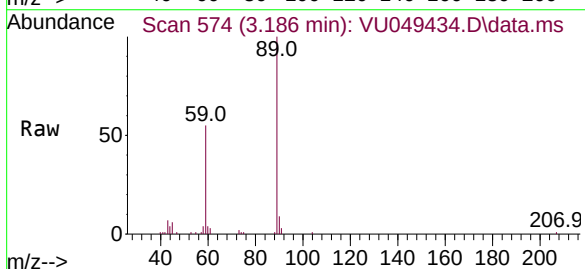
Instrument :
MSVOA_U
ClientSampleId :
FB062022

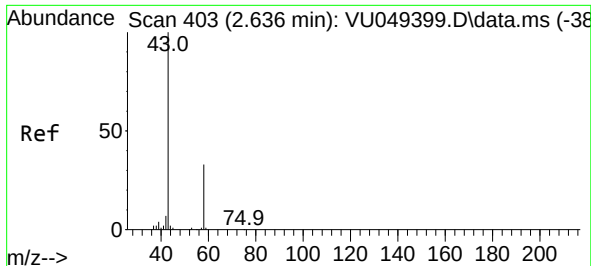
Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 24.506 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.125 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Tgt Ion: 59 Resp: 26659
Ion Ratio Lower Upper
59 100
57 0.4 30.6 45.8#





#16

Acetone

Concen: 2.132 ug/l

RT: 2.639 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

Instrument :

MSVOA_U

ClientSampleId :

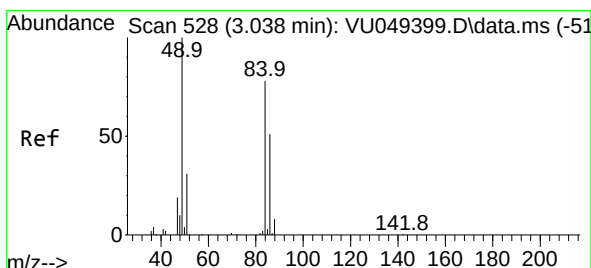
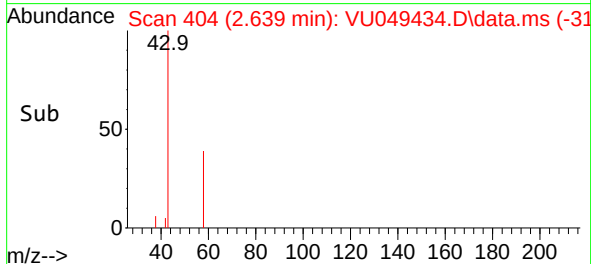
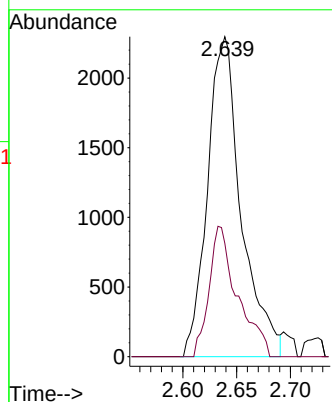
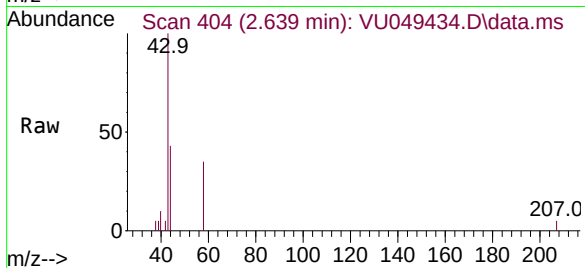
FB062022

Tgt Ion: 43 Resp: 4996

Ion Ratio Lower Upper

43 100

58 35.4 27.5 41.3



#20

Methylene Chloride

Concen: Below Cal

RT: 3.044 min Scan# 530

Delta R.T. 0.006 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

Tgt Ion: 84 Resp: 1868

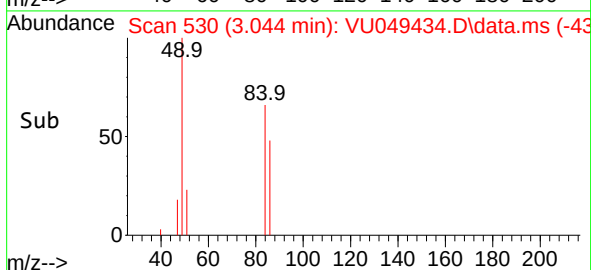
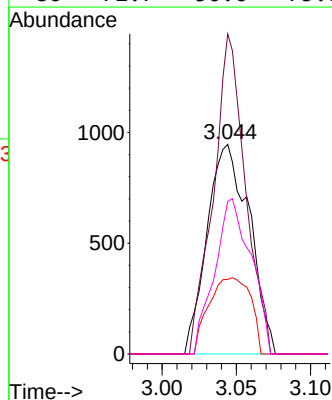
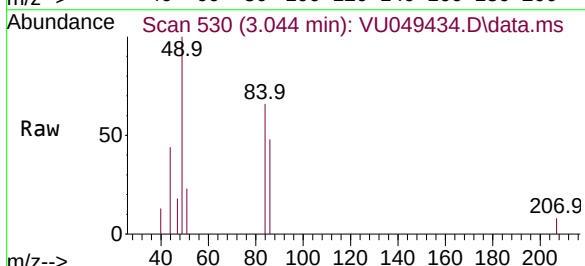
Ion Ratio Lower Upper

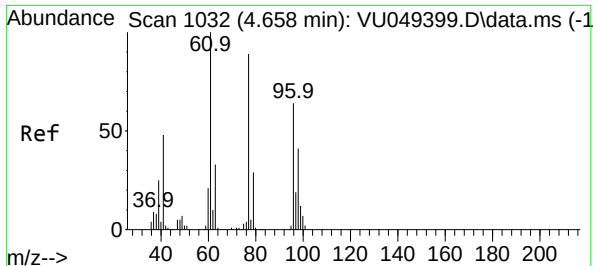
84 100

49 152.6 86.6 129.8#

51 35.6 26.6 40.0

86 72.7 50.6 75.8





#26

2,2-Dichloropropane

Concen: 0.390 ug/l

RT: 4.642 min Scan# 1032

Delta R.T. -0.016 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

Instrument :

MSVOA_U

ClientSampleId :

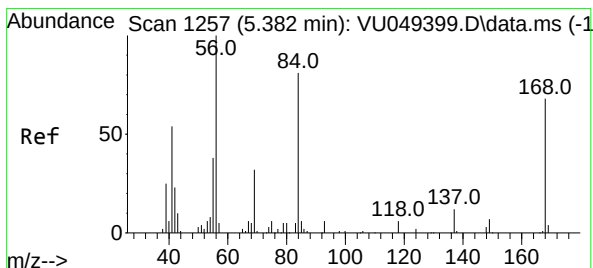
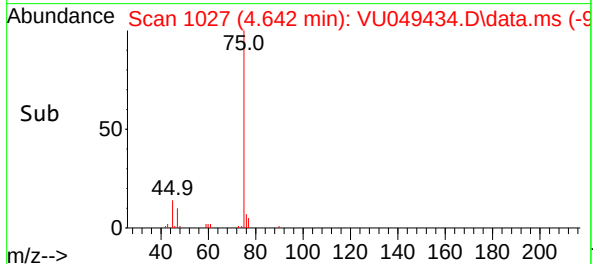
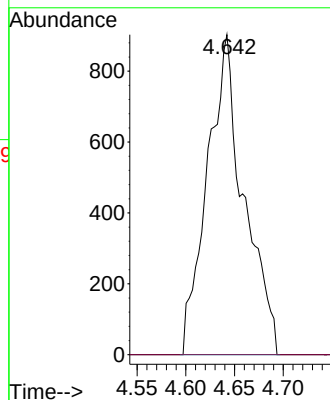
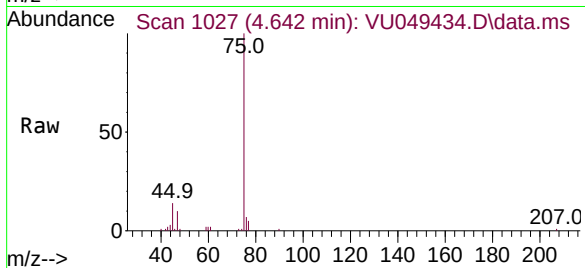
FB062022

Tgt Ion: 77 Resp: 2360

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 0.881 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.010 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

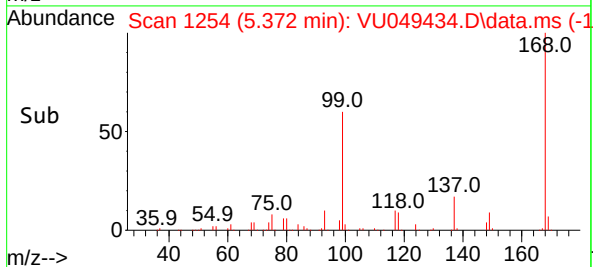
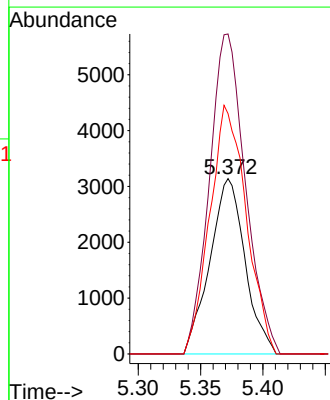
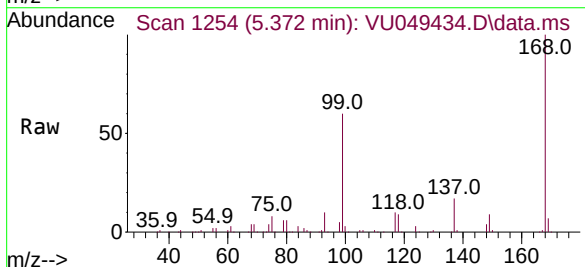
Tgt Ion: 56 Resp: 6150

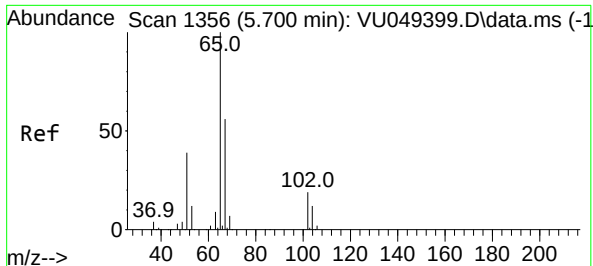
Ion Ratio Lower Upper

56 100

69 182.5 27.8 41.8#

84 137.1 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 42.506 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

Instrument :

MSVOA_U

ClientSampleId :

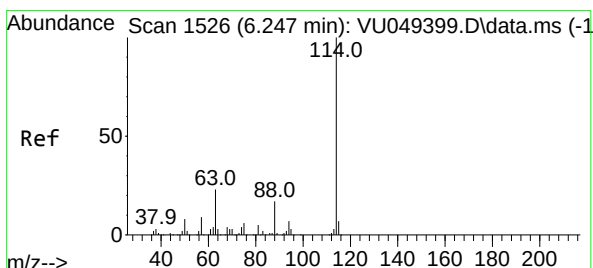
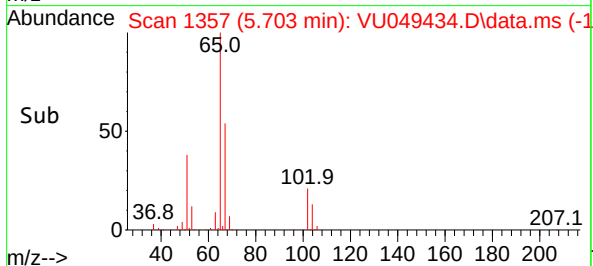
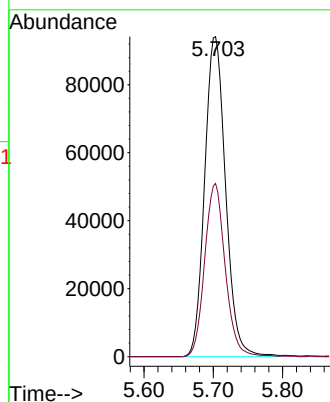
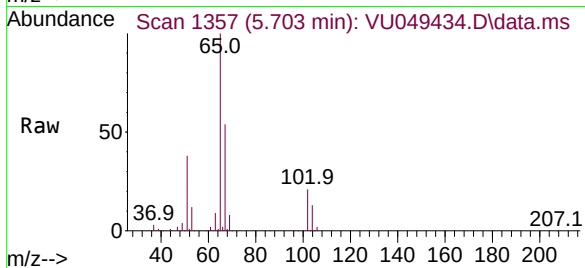
FB062022

Tgt Ion: 65 Resp: 197554

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

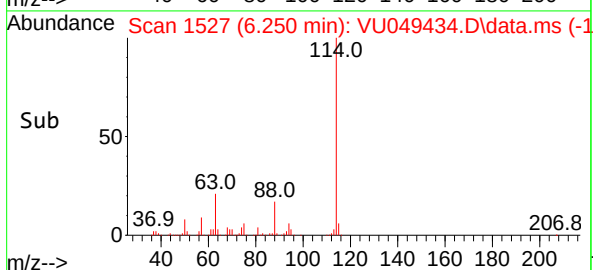
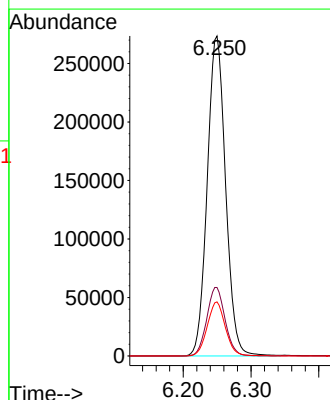
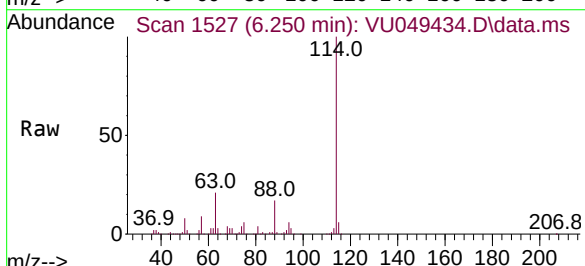
Tgt Ion: 114 Resp: 514637

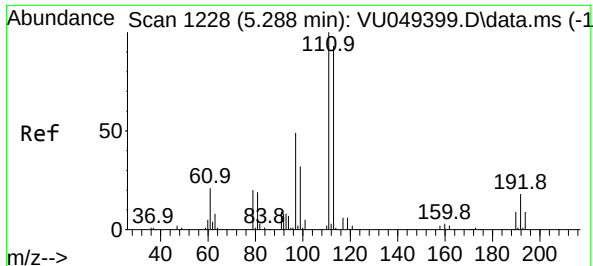
Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.9 0.0 29.2





#35

Dibromofluoromethane

Concen: 44.475 ug/l

RT: 5.288 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

Instrument :

MSVOA_U

ClientSampleId :

FB062022

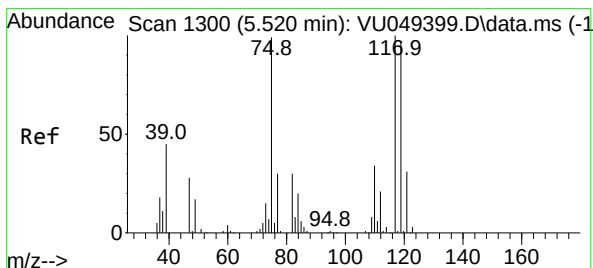
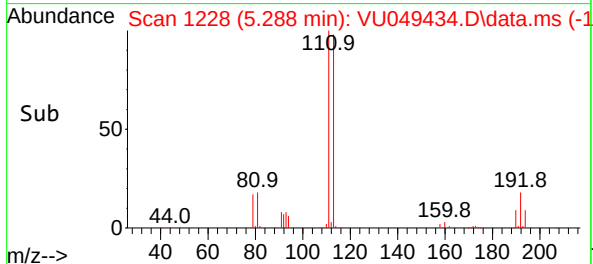
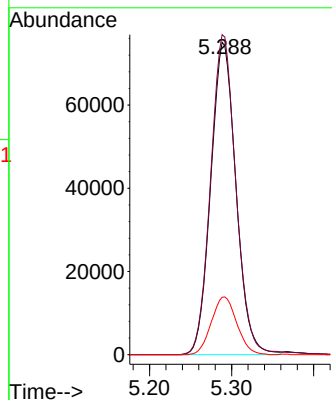
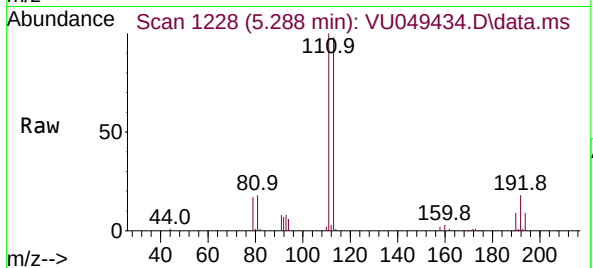
Tgt Ion:113 Resp: 160134

Ion Ratio Lower Upper

113 100

111 103.1 82.1 123.1

192 18.7 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049434.D

Acq: 28 Jun 2022 04:15

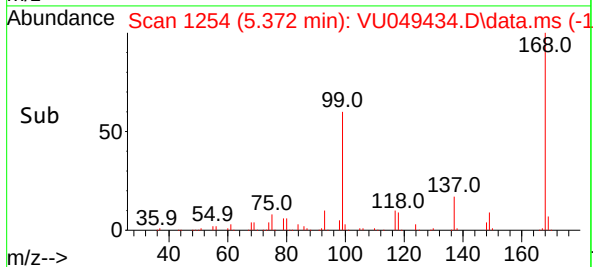
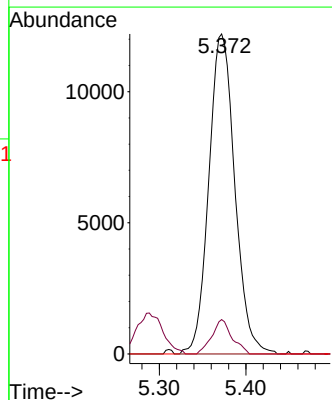
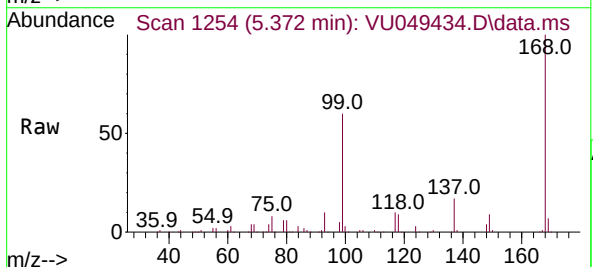
Tgt Ion: 75 Resp: 25447

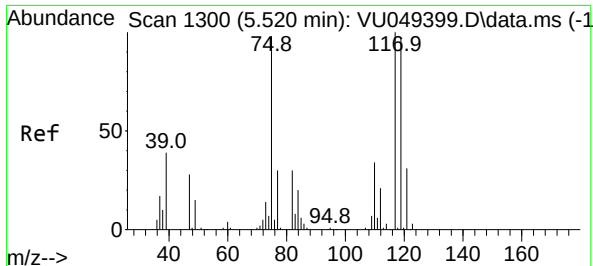
Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

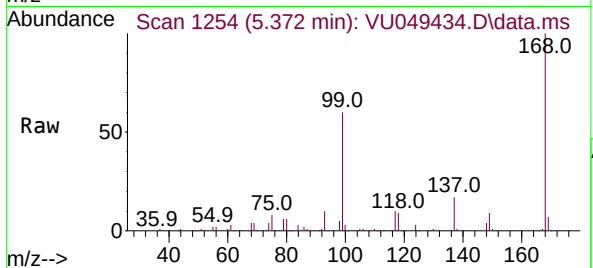
77 0.0 25.1 37.7#



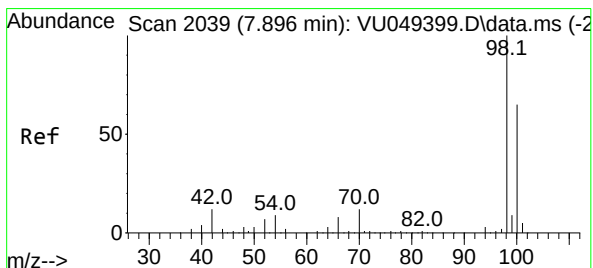
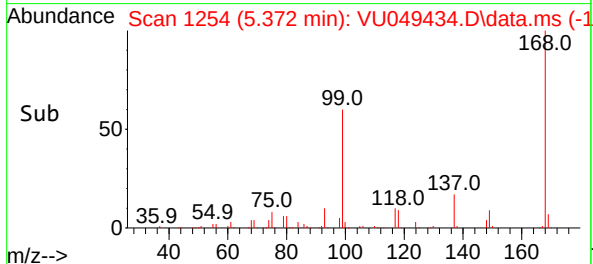
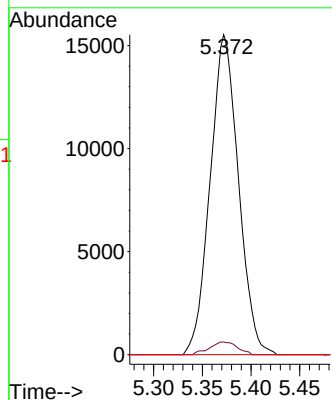


#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Instrument :
MSVOA_U
ClientSampleId :
FB062022

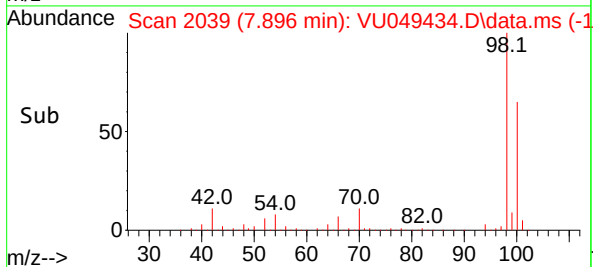
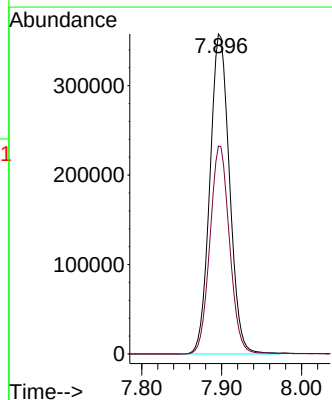
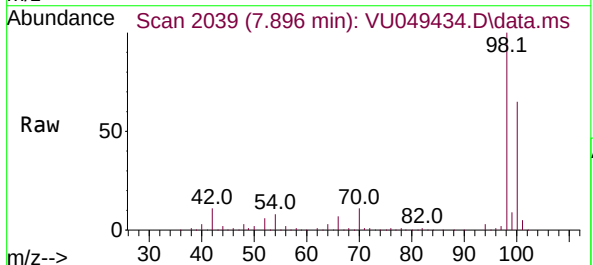


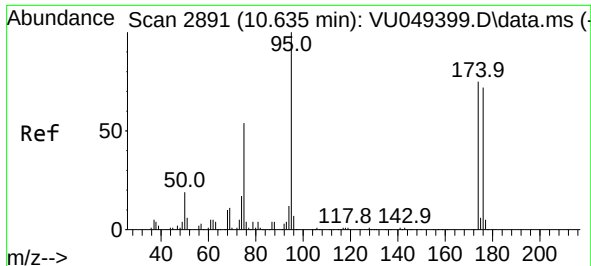
Tgt Ion:117 Resp: 31373
Ion Ratio Lower Upper
117 100
119 3.9 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.502 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Tgt Ion: 98 Resp: 610031
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

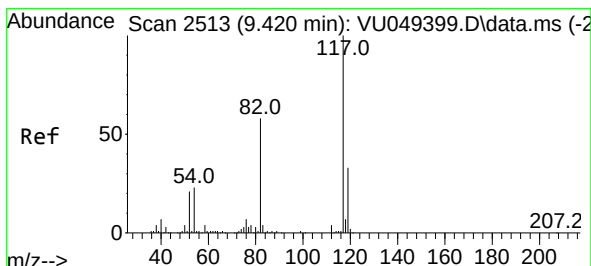
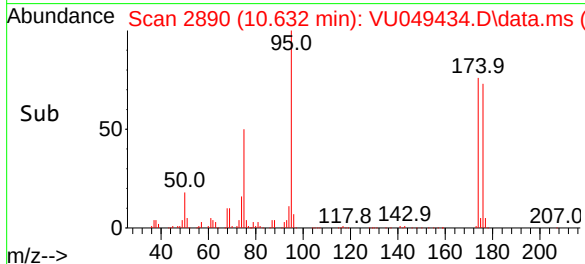
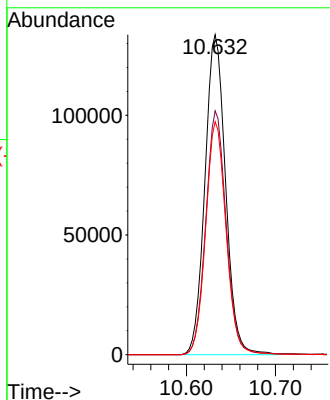
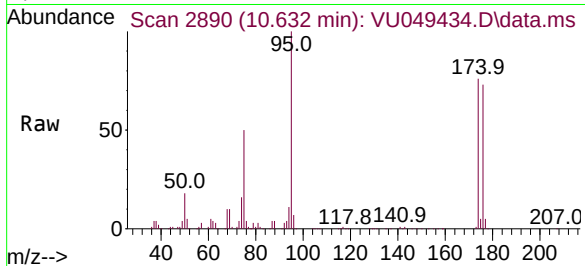




#62
4-Bromofluorobenzene
Concen: 43.721 ug/l
RT: 10.632 min Scan# 2150
Delta R.T. -0.003 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

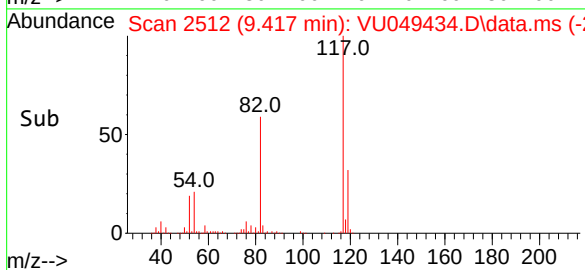
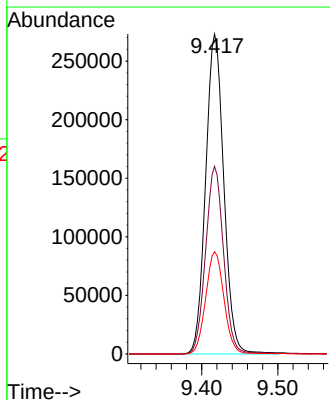
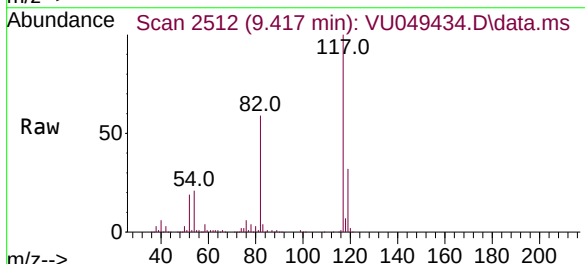
Instrument :
MSVOA_U
ClientSampleId :
FB062022

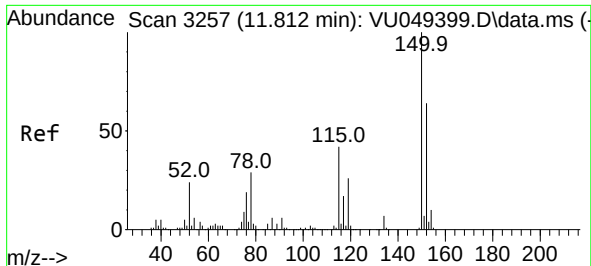
Tgt Ion: 95 Resp: 215082
Ion Ratio Lower Upper
95 100
174 75.7 0.0 182.0
176 72.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Tgt Ion: 117 Resp: 453033
Ion Ratio Lower Upper
117 100
82 58.6 41.7 62.5
119 31.9 25.7 38.5

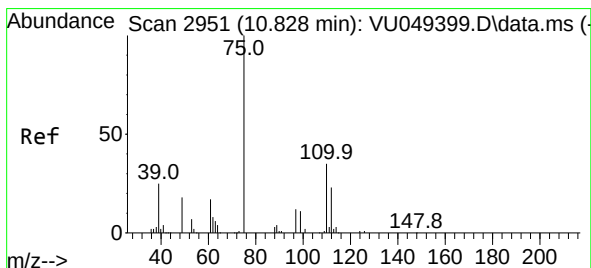
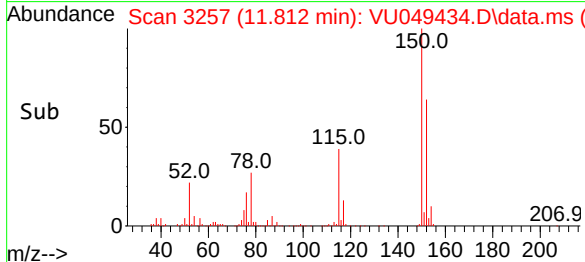
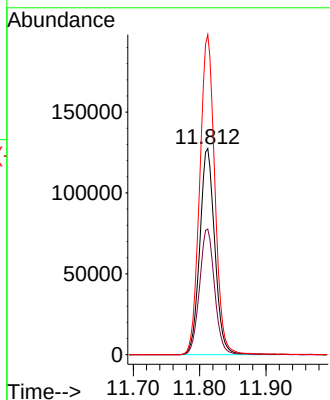
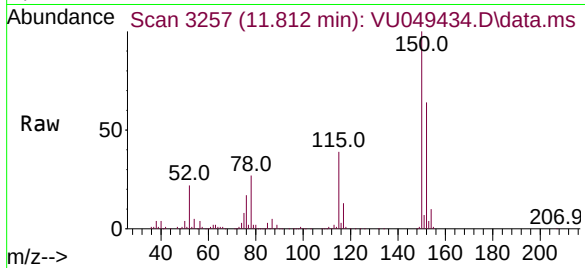




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

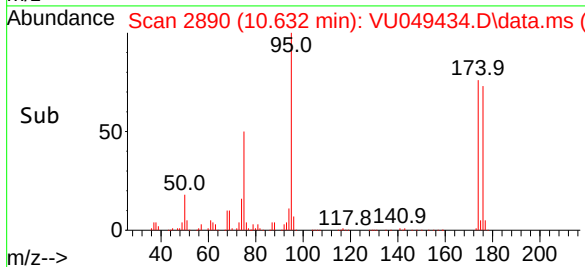
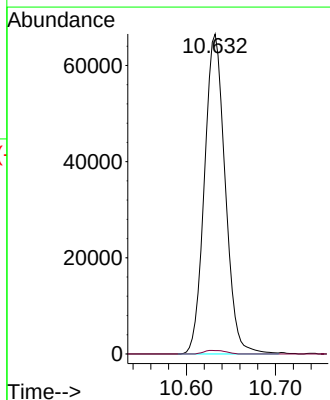
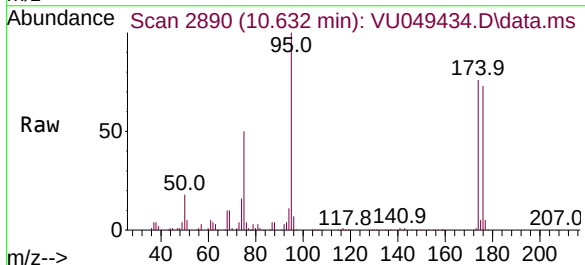
Instrument :
MSVOA_U
ClientSampleId :
FB062022

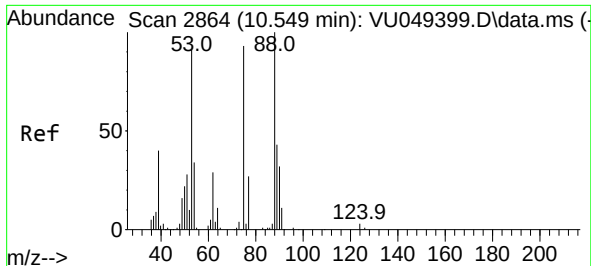
Tgt Ion:152 Resp: 201204
Ion Ratio Lower Upper
152 100
115 61.3 37.0 110.9
150 155.6 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.801 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Tgt Ion: 75 Resp: 107771
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#

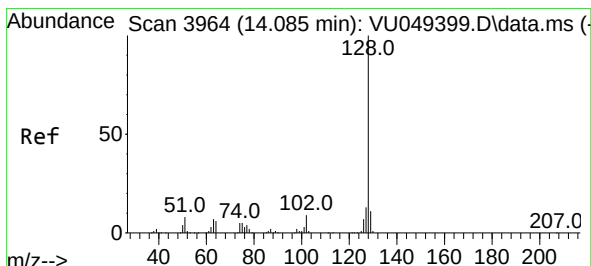
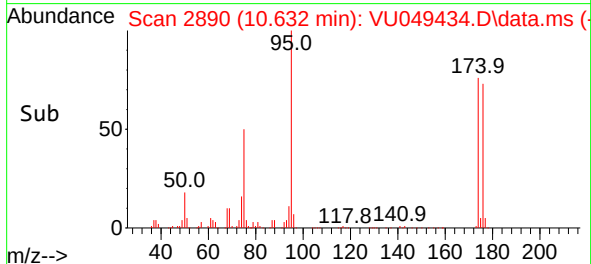
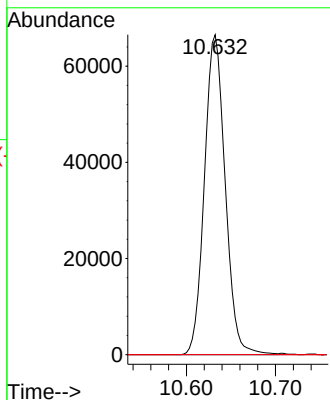
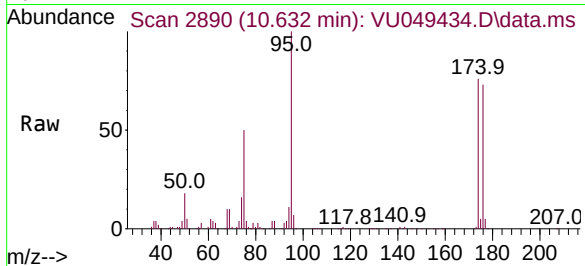




#81
trans-1,4-Dichloro-2-butene
Concen: 58.350 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Instrument :
MSVOA_U
ClientSampleId :
FB062022

Tgt Ion: 75 Resp: 107771
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 1.757 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VU049434.D
Acq: 28 Jun 2022 04:15

Tgt Ion: 128 Resp: 347
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

