

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049502.D
 Acq On : 29 Jun 2022 11:05
 Operator : SY/MD
 Sample : VU0629MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

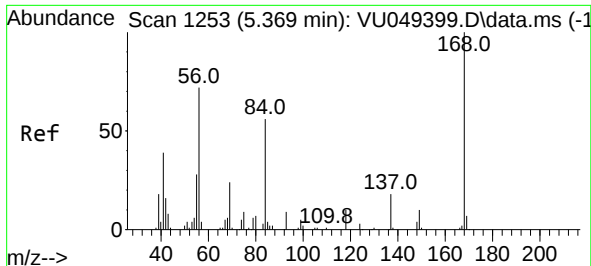
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0629MBL01

Quant Time: Jun 30 00:47:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.372	168	281800	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	489430	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	440427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	196861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	192252	44.299	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.600%
35) Dibromofluoromethane	5.289	113	153377	44.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.580%
50) Toluene-d8	7.896	98	592647	48.525	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	10.632	95	208145	44.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1753	Below Cal		94
5) Bromomethane	1.858	94	289	0.204	ug/l	97
6) Chloroethane	1.925	64	97	1.960	ug/l	# 44
10) Methyl Iodide	2.726	142	328	7.604	ug/l	# 57
11) Tert butyl alcohol	3.179	59	217	0.214	ug/l	# 37
13) Acrolein	2.488	56	184	0.267	ug/l	92
16) Acetone	2.649	43	1147	0.524	ug/l	94
20) Methylene Chloride	3.044	84	1410	Below Cal	#	92
29) Tetrahydrofuran	5.067	42	615	0.273	ug/l	# 39
31) Cyclohexane	5.372	56	5552	0.852	ug/l	# 1
36) 1,1-Dichloropropene	5.372	75	23140	4.661	ug/l	# 48
38) Carbon Tetrachloride	5.372	117	28127	5.402	ug/l	# 16
51) 4-Methyl-2-Pentanone	7.796	43	2304	0.346	ug/l	# 84
59) 2-Hexanone	8.697	43	2714	0.519	ug/l	95
76) 1,2,3-Trichloropropane	10.632	75	105197	15.764	ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	105197	58.213	ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.844	180	2204	2.236	ug/l	96
95) Naphthalene	14.089	128	14315	2.633	ug/l	96
96) 1,2,3-Trichlorobenzene	14.336	180	2526	1.721	ug/l	91

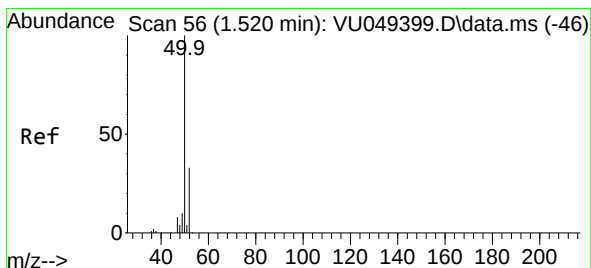
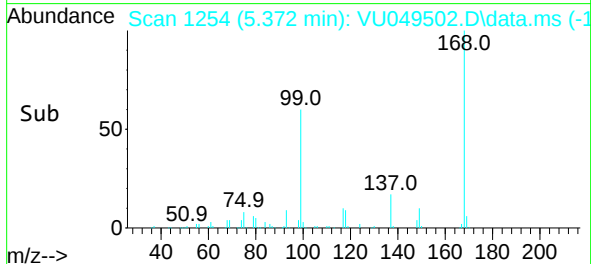
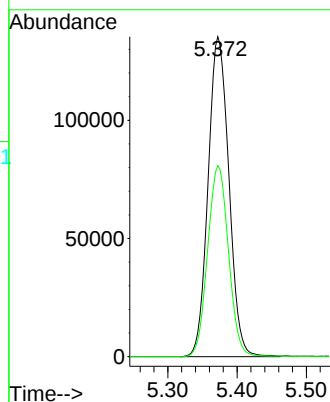
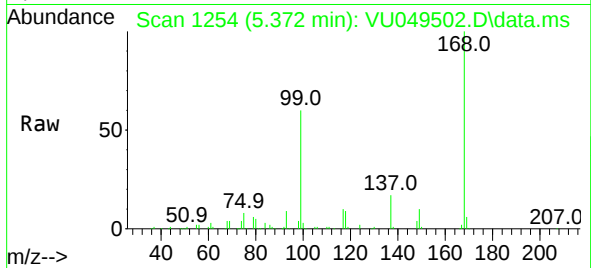
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

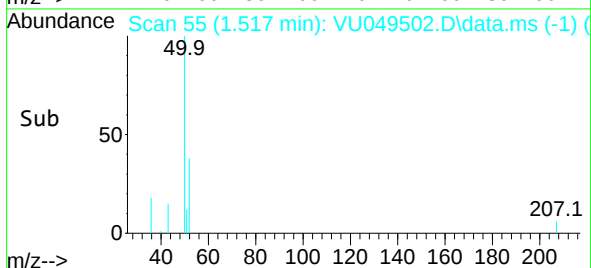
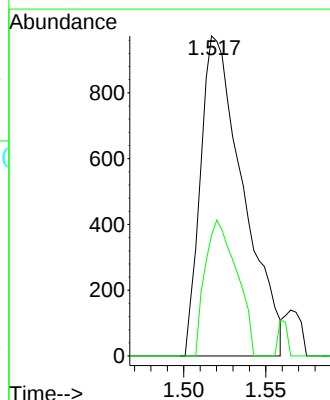
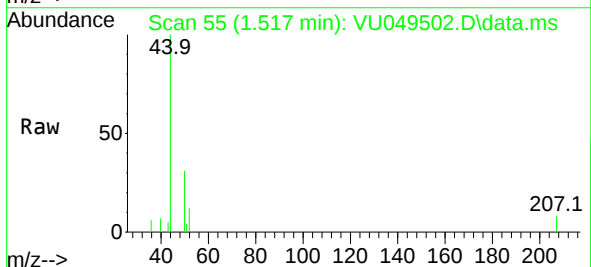
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

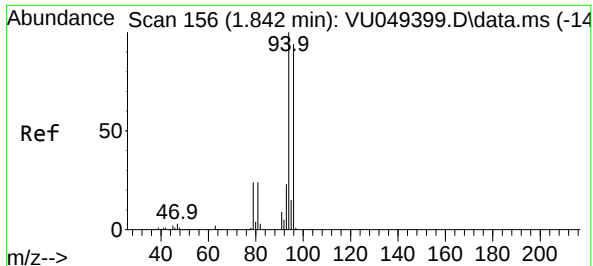
Tgt Ion:168 Resp: 281800
Ion Ratio Lower Upper
168 100
99 59.7 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion: 50 Resp: 1753
Ion Ratio Lower Upper
50 100
52 37.8 27.4 41.2

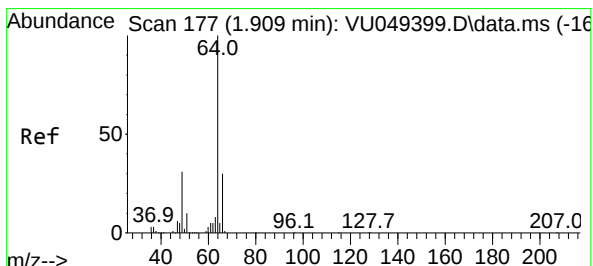
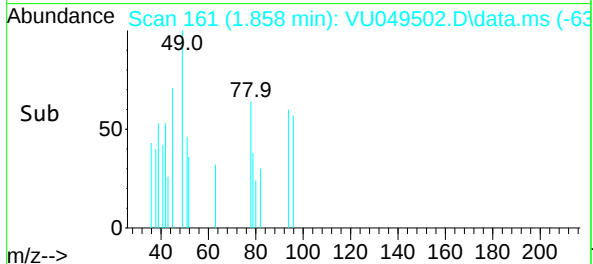
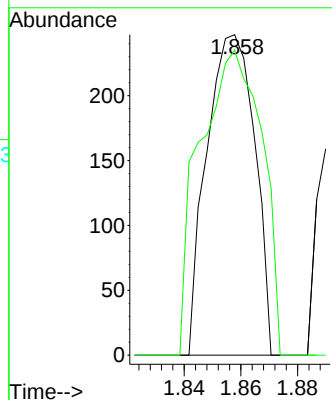
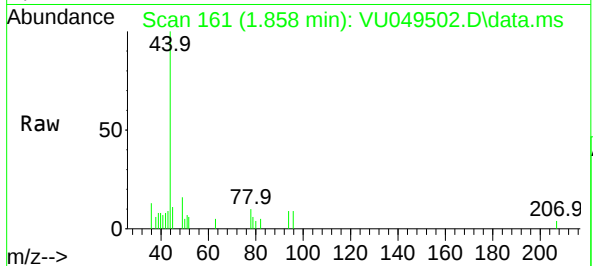




#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.858 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

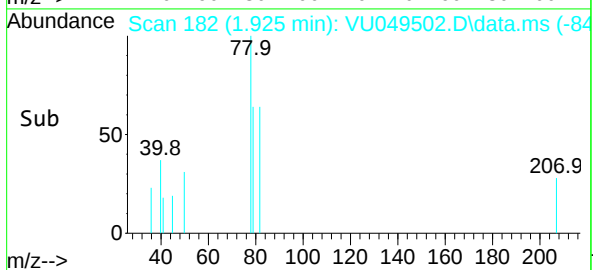
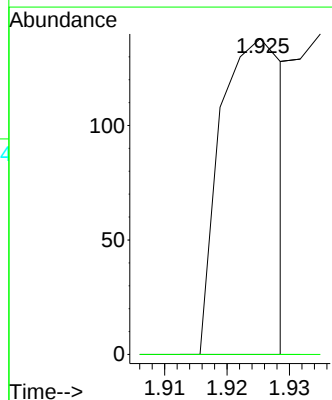
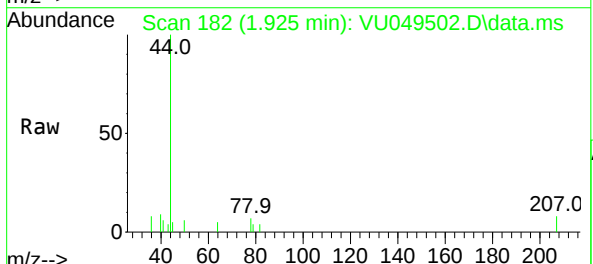
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

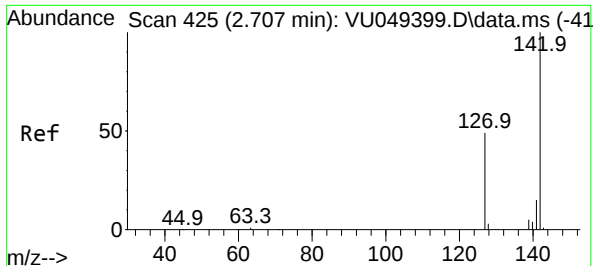
Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 95.1 73.7 110.5



#6
Chloroethane
Concen: 1.960 ug/l
RT: 1.925 min Scan# 182
Delta R.T. 0.016 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

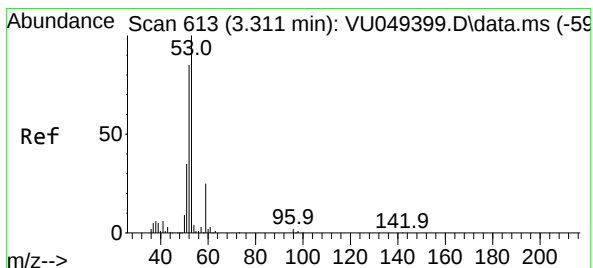
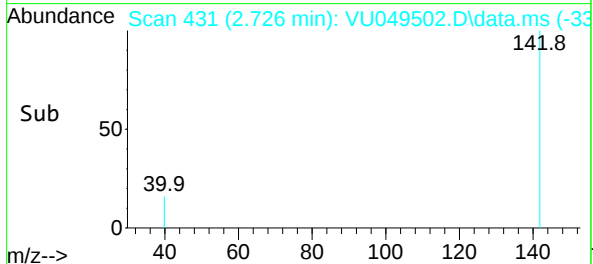
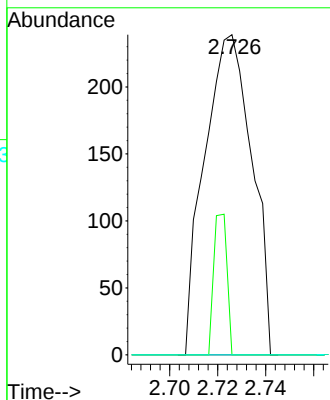
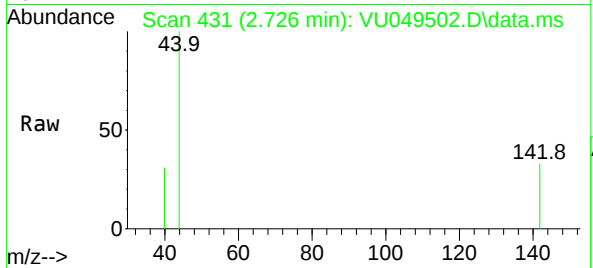




#10
Methyl Iodide
Concen: 7.604 ug/l
RT: 2.726 min Scan# 41
Delta R.T. 0.019 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

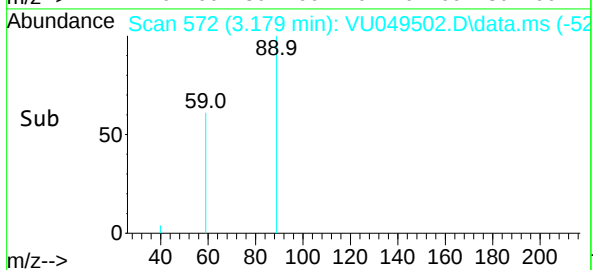
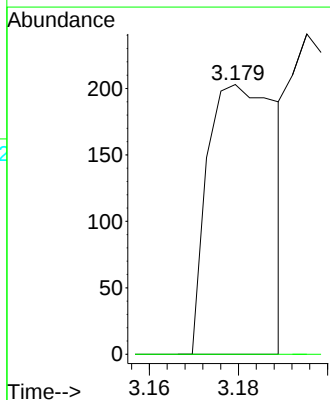
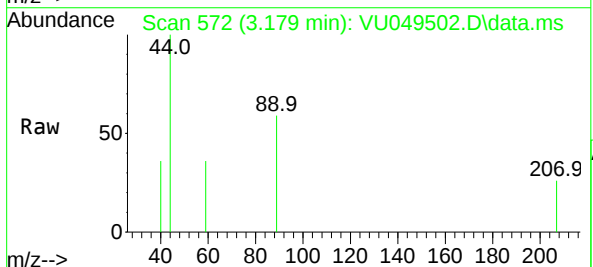
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

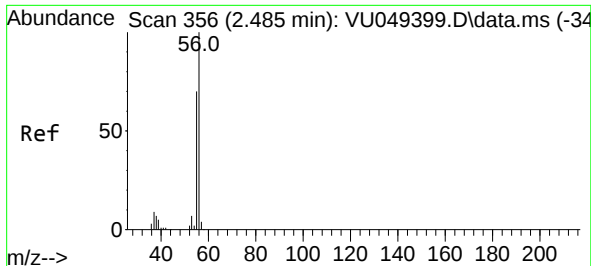
Tgt Ion:142 Resp: 328
Ion Ratio Lower Upper
142 100
127 12.2 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.214 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.132 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#13

Acrolein

Concen: 0.267 ug/l

RT: 2.488 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049502.D

Acq: 29 Jun 2022 11:05

Instrument :

MSVOA_U

ClientSampleId :

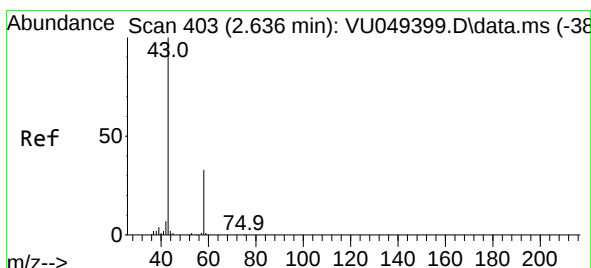
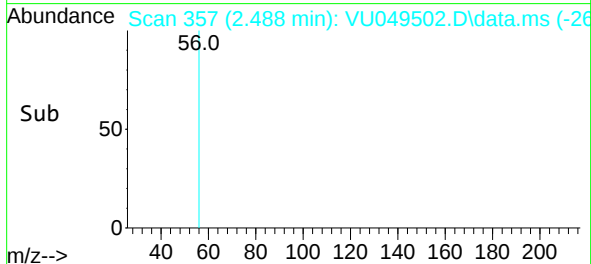
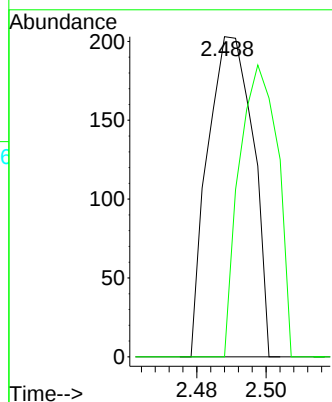
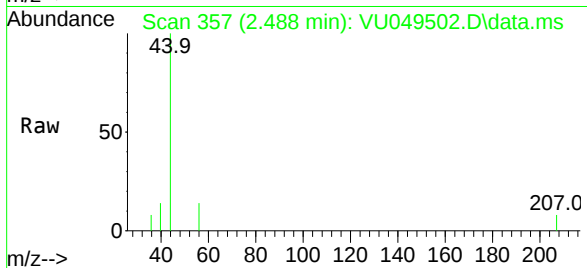
VU0629MBL01

Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 77.2 56.6 85.0



#16

Acetone

Concen: 0.524 ug/l

RT: 2.649 min Scan# 407

Delta R.T. 0.013 min

Lab File: VU049502.D

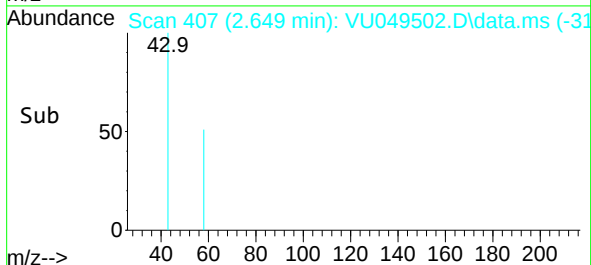
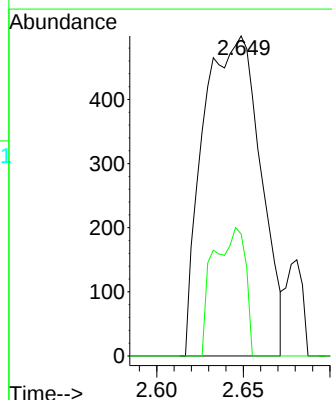
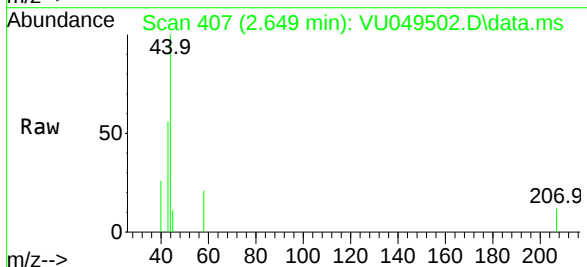
Acq: 29 Jun 2022 11:05

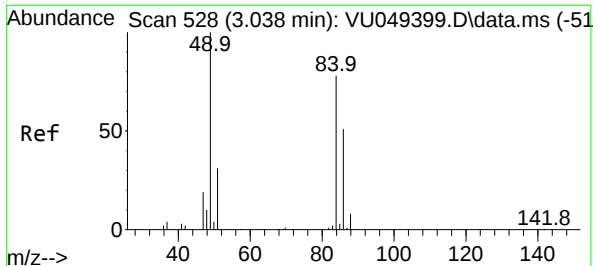
Tgt Ion: 43 Resp: 1147

Ion Ratio Lower Upper

43 100

58 38.1 27.5 41.3

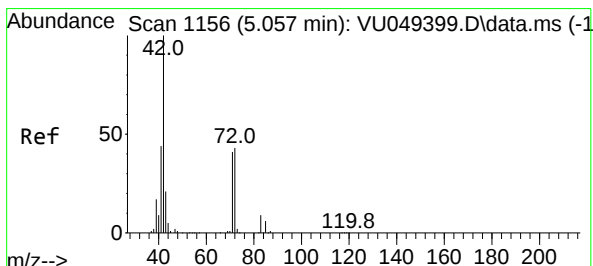
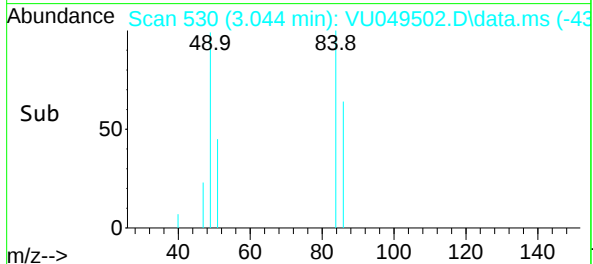
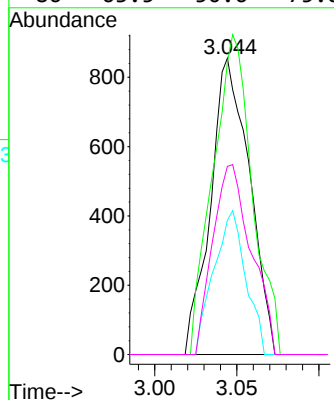
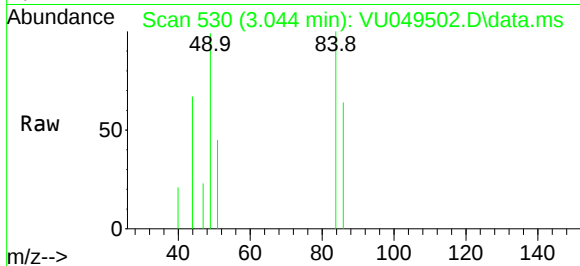




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

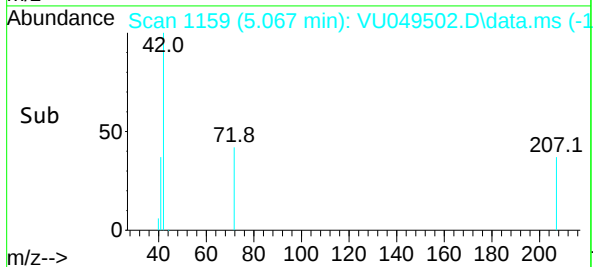
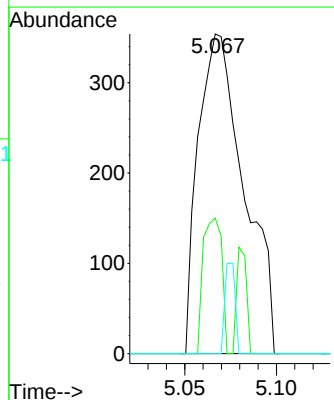
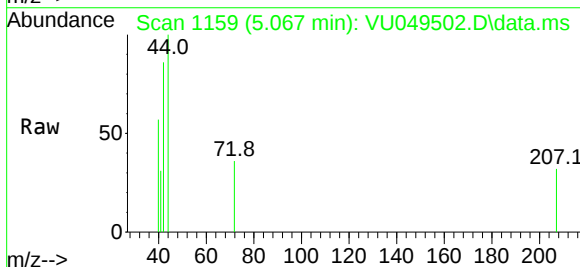
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

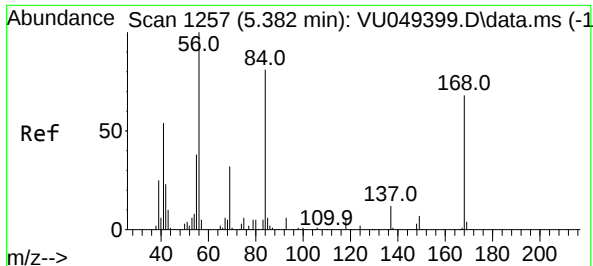
Tgt Ion:	84	Resp:	1410
Ion	Ratio	Lower	Upper
84	100		
49	98.6	86.6	129.8
51	45.4	26.6	40.0#
86	63.5	50.6	75.8



#29
Tetrahydrofuran
Concen: 0.273 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion:	42	Resp:	615
Ion	Ratio	Lower	Upper
42	100		
72	17.4	42.6	63.8#
71	0.0	40.3	60.5#





#31

Cyclohexane

Concen: 0.852 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU049502.D

Acq: 29 Jun 2022 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0629MBL01

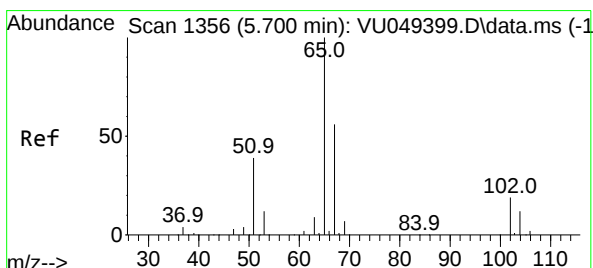
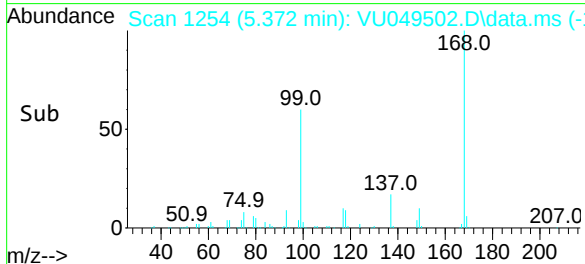
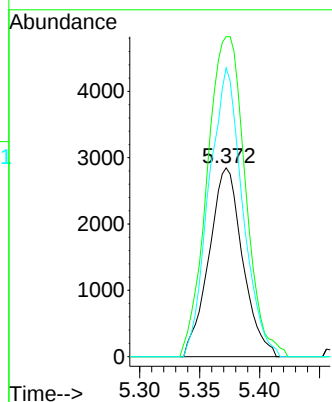
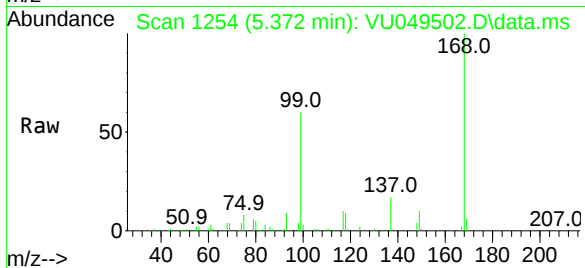
Tgt Ion: 56 Resp: 5552

Ion Ratio Lower Upper

56 100

69 169.5 27.8 41.8#

84 152.9 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 44.299 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049502.D

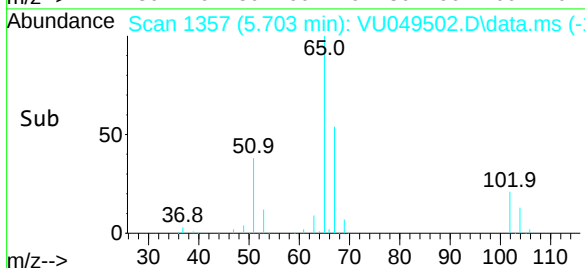
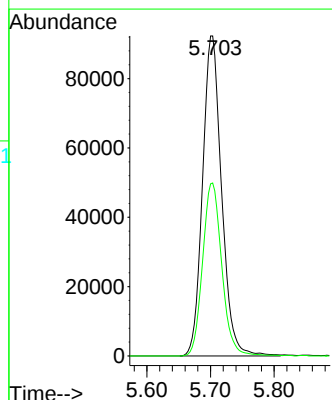
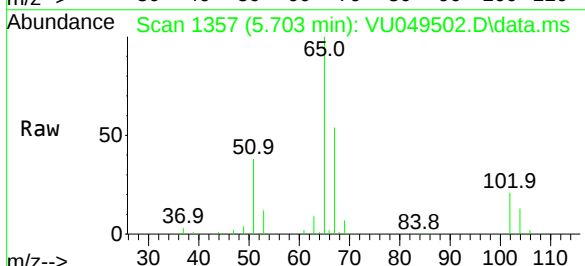
Acq: 29 Jun 2022 11:05

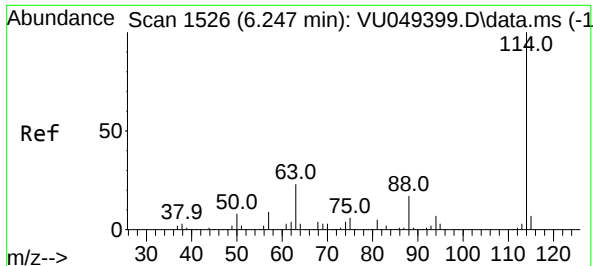
Tgt Ion: 65 Resp: 192252

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049502.D

Acq: 29 Jun 2022 11:05

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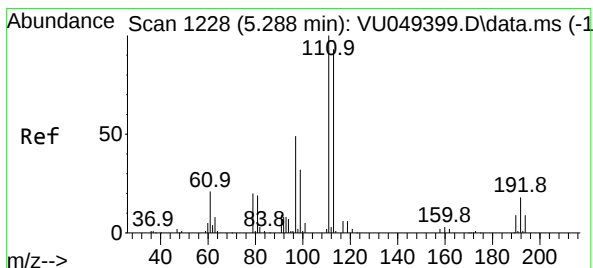
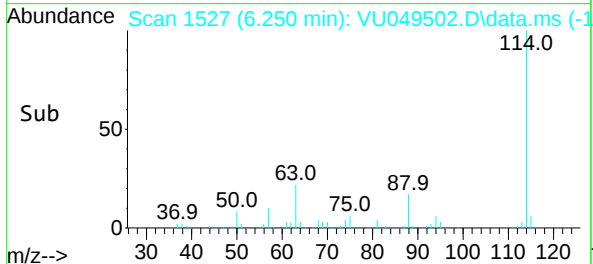
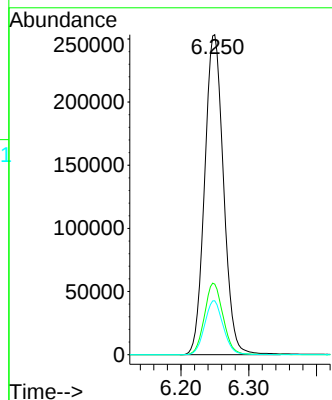
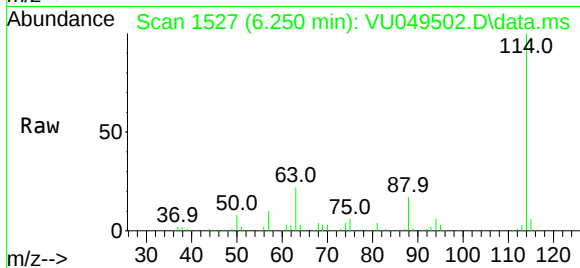
Tgt Ion:114 Resp: 489430

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.792 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049502.D

Acq: 29 Jun 2022 11:05

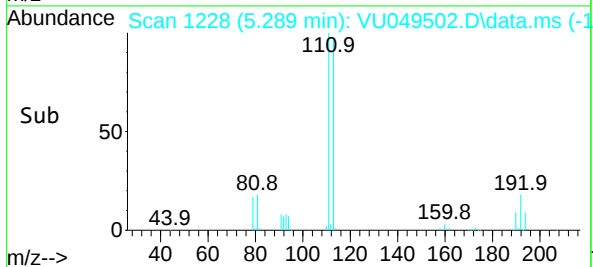
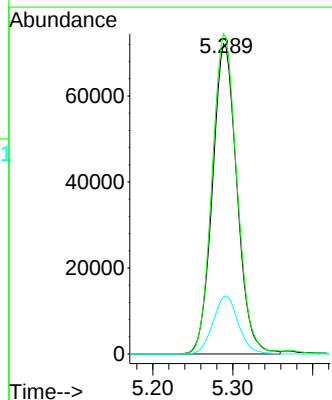
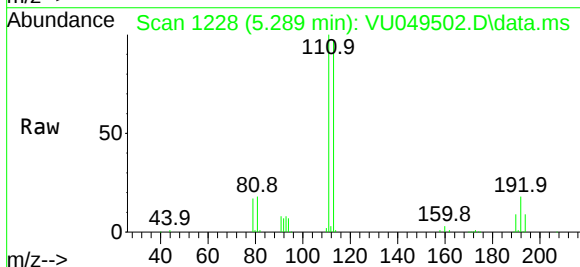
Tgt Ion:113 Resp: 153377

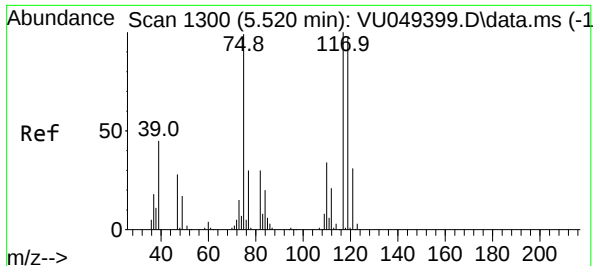
Ion Ratio Lower Upper

113 100

111 104.8 82.1 123.1

192 19.3 18.0 27.0

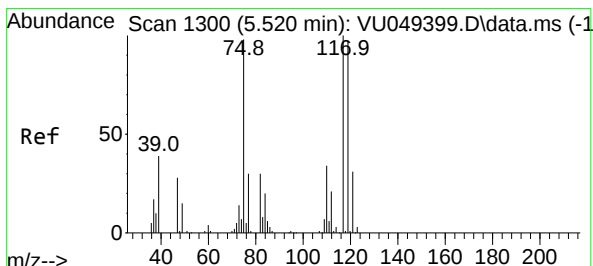
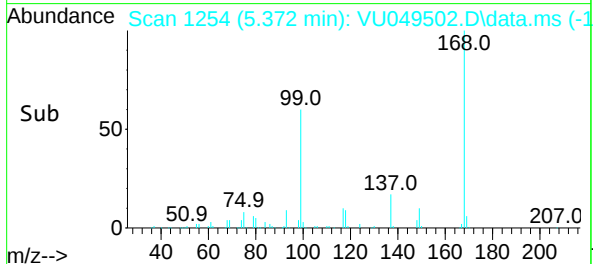
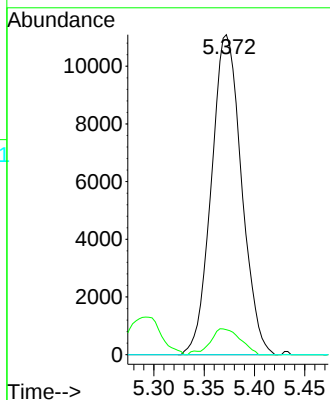
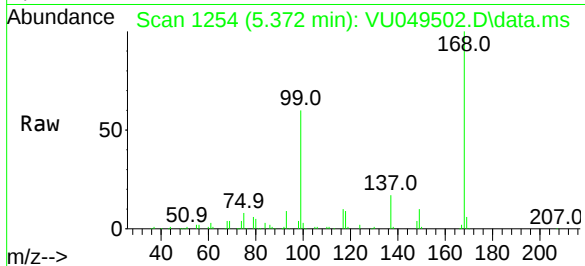




#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

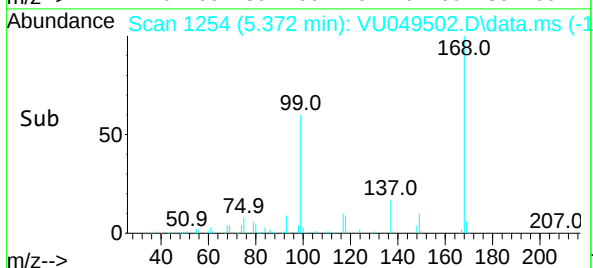
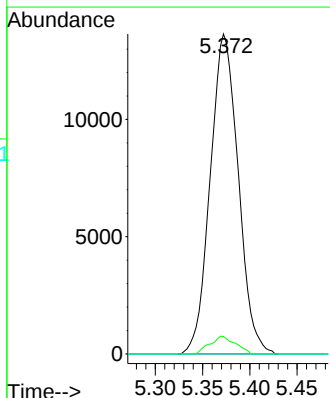
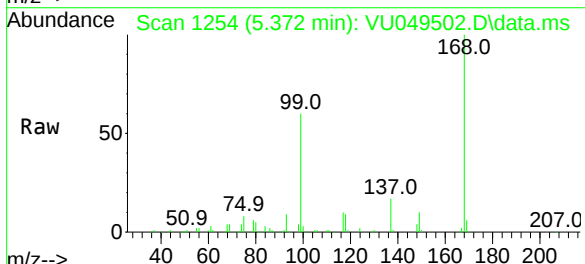
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

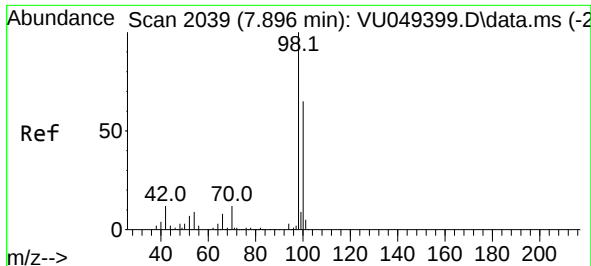
Tgt Ion: 75 Resp: 23140
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.402 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion: 117 Resp: 28127
Ion Ratio Lower Upper
117 100
119 5.5 76.8 115.2#
121 0.0 24.7 37.1#

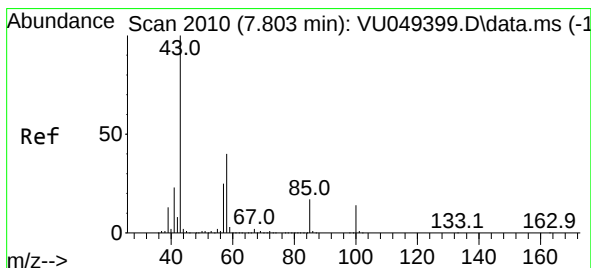
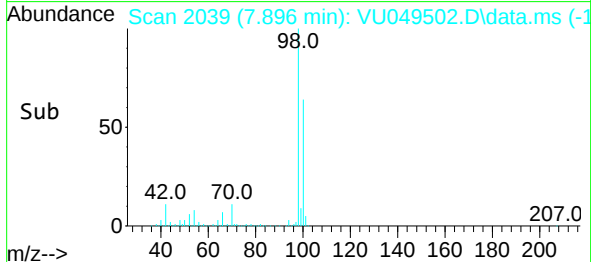
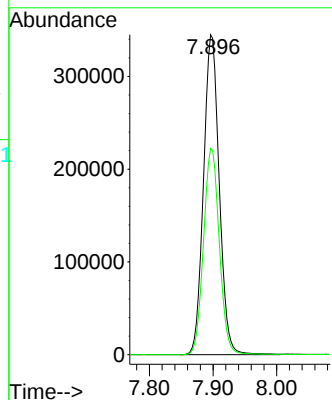
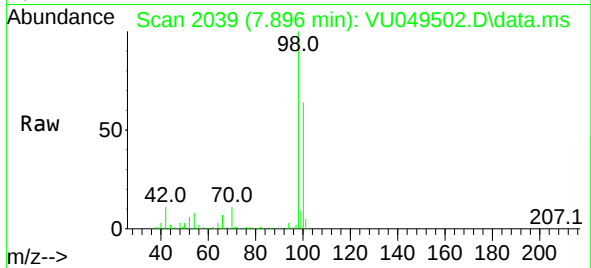




#50
Toluene-d8
Concen: 48.525 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

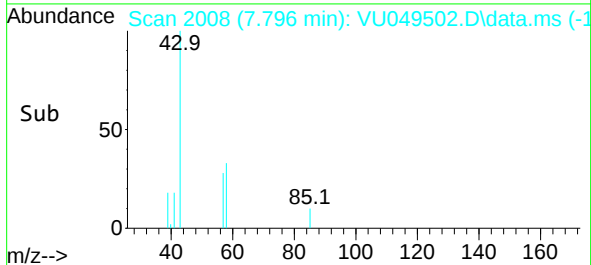
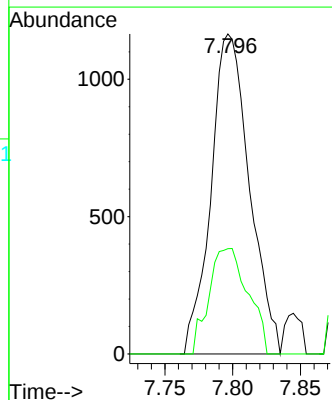
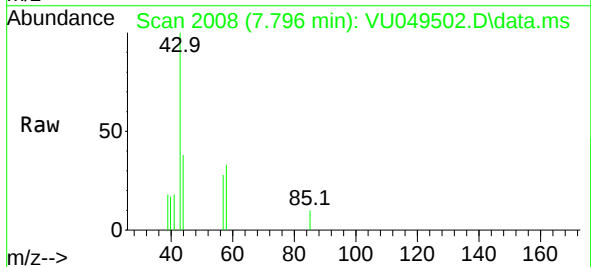
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

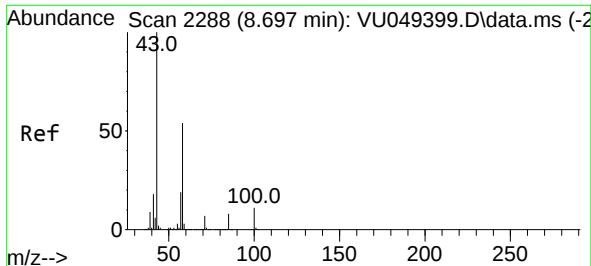
Tgt Ion: 98 Resp: 592647
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.346 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
58 33.4 34.7 52.1#

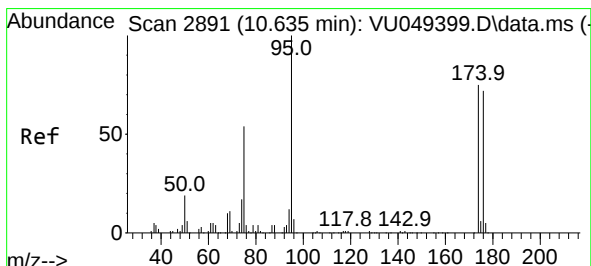
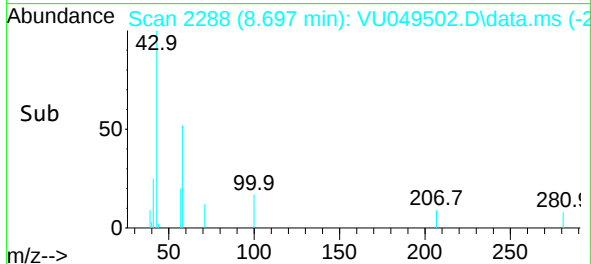
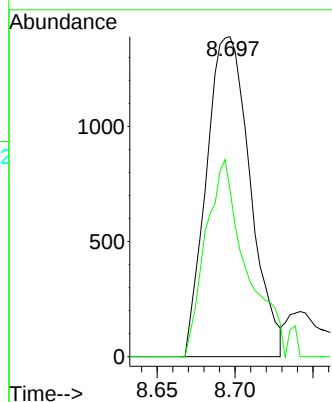
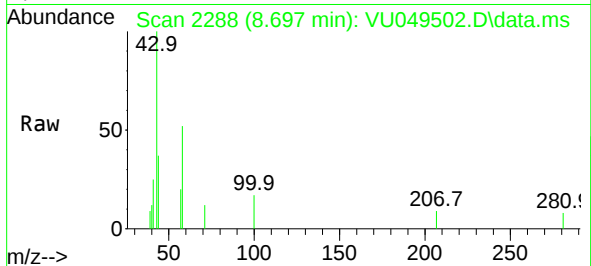




#59
2-Hexanone
Concen: 0.519 ug/l
RT: 8.697 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

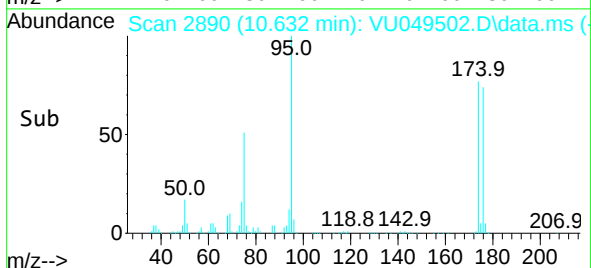
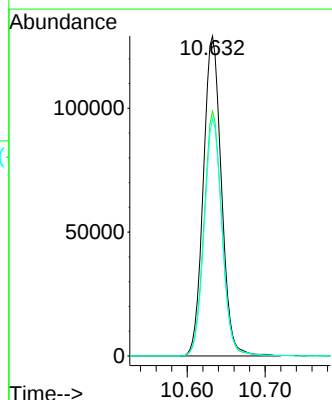
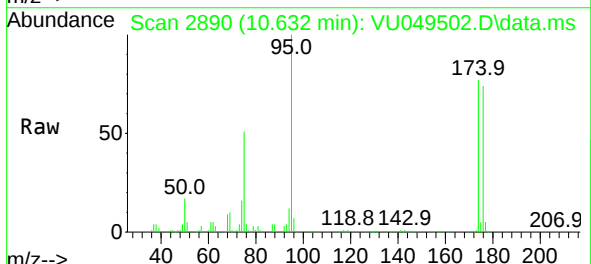
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

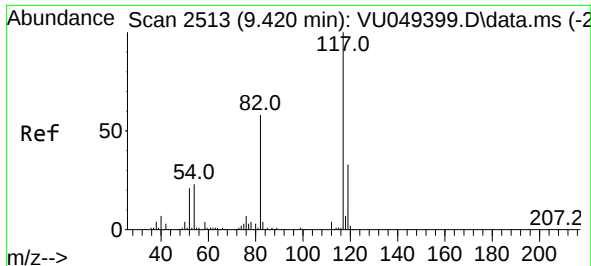
Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
58 57.1 30.3 90.8



#62
4-Bromofluorobenzene
Concen: 44.490 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion: 95 Resp: 208145
Ion Ratio Lower Upper
95 100
174 75.6 0.0 182.0
176 73.6 0.0 177.8

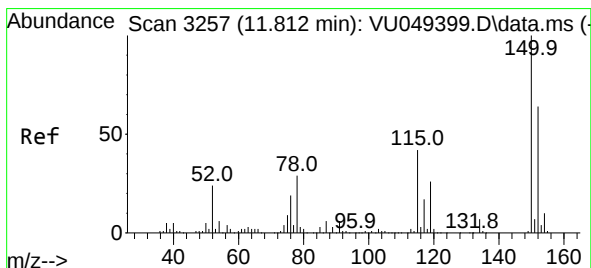
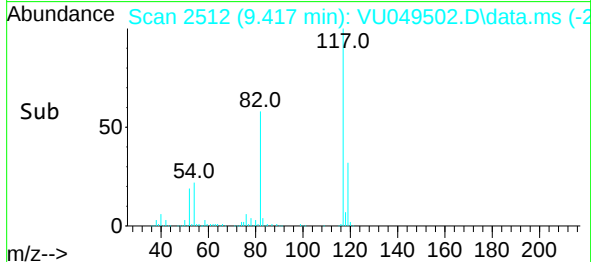
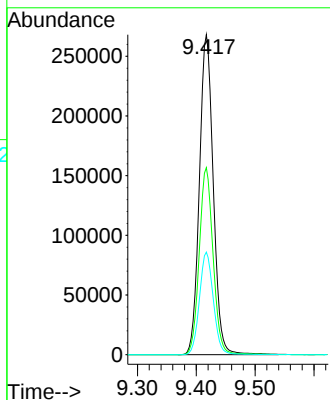
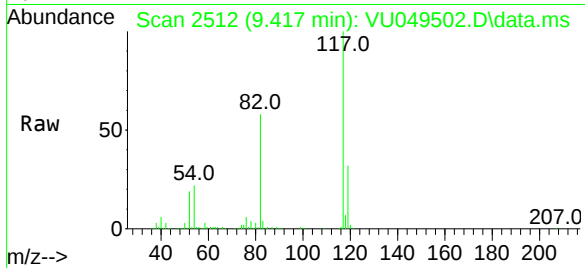




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

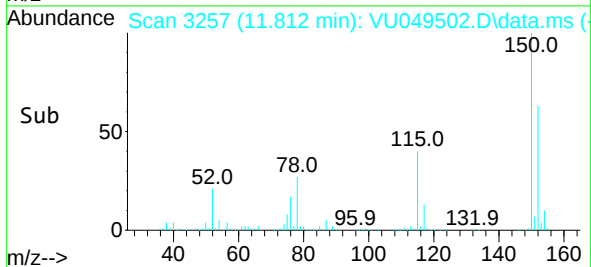
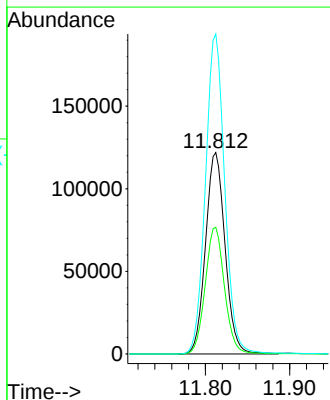
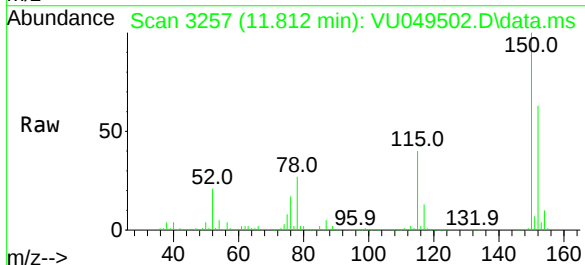
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

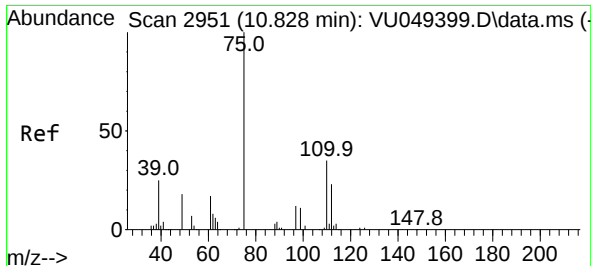
Tgt Ion:117 Resp: 440427
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion:152 Resp: 196861
Ion Ratio Lower Upper
152 100
115 62.1 37.0 110.9
150 156.6 0.0 342.2

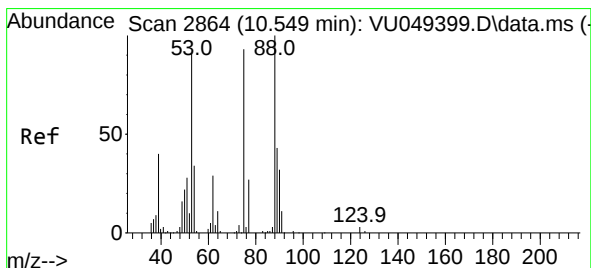
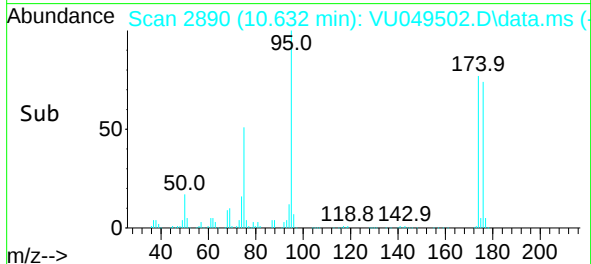
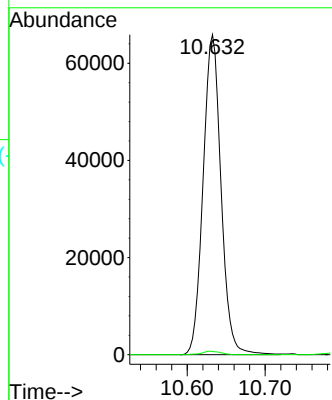
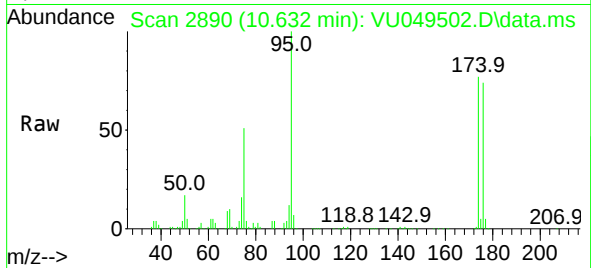




#76
1,2,3-Trichloropropane
Concen: 15.764 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

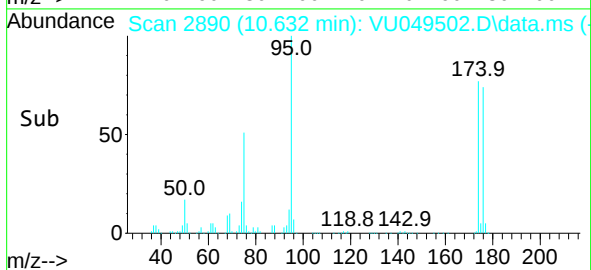
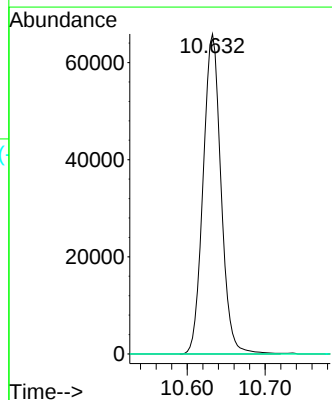
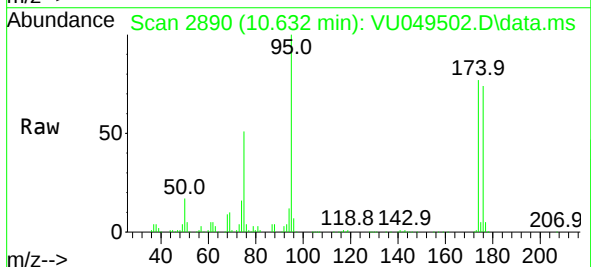
Instrument :
MSVOA_U
ClientSampleId :
VU0629MBL01

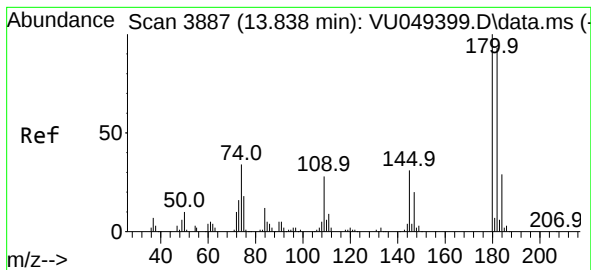
Tgt Ion: 75 Resp: 105197
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.213 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049502.D
Acq: 29 Jun 2022 11:05

Tgt Ion: 75 Resp: 105197
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 2.236 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.007 min

Lab File: VU049502.D

Acq: 29 Jun 2022 11:05

Instrument :

MSVOA_U

ClientSampleId :

VU0629MBL01

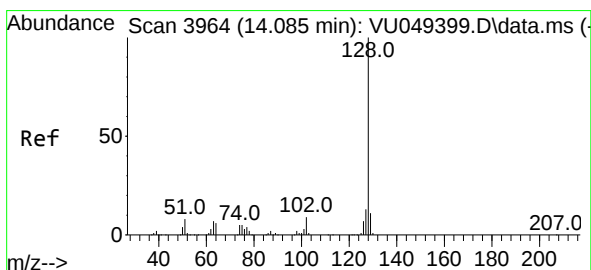
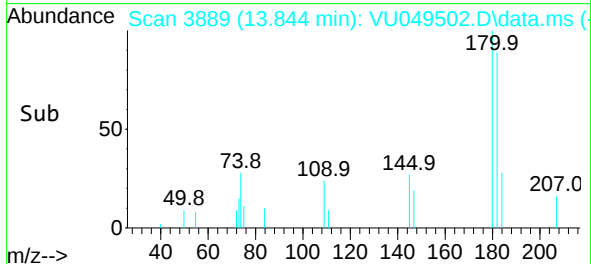
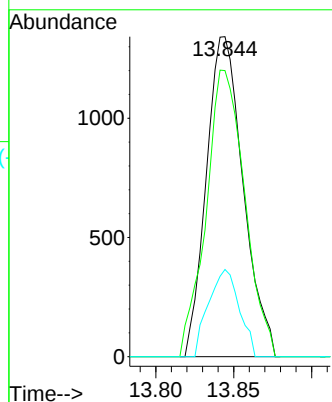
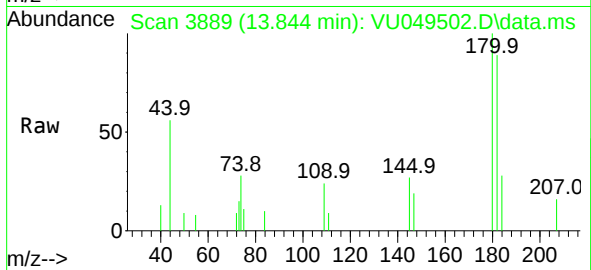
Tgt Ion:180 Resp: 2204

Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.6

145 22.7 14.0 41.9



#95

Naphthalene

Concen: 2.633 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU049502.D

Acq: 29 Jun 2022 11:05

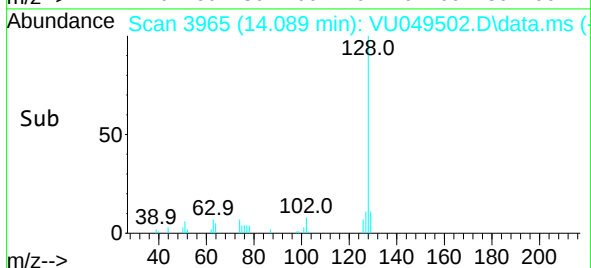
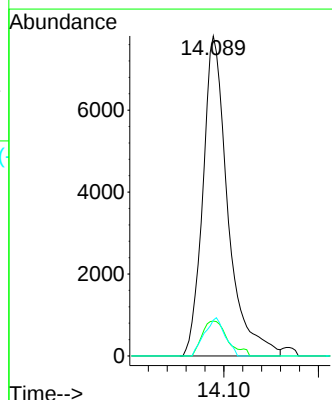
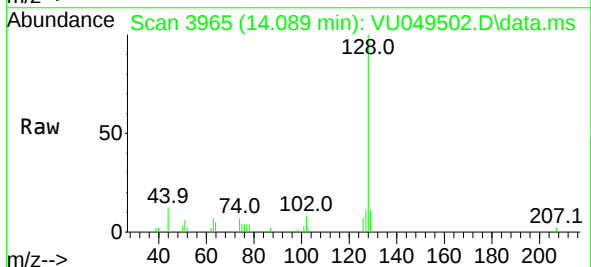
Tgt Ion:128 Resp: 14315

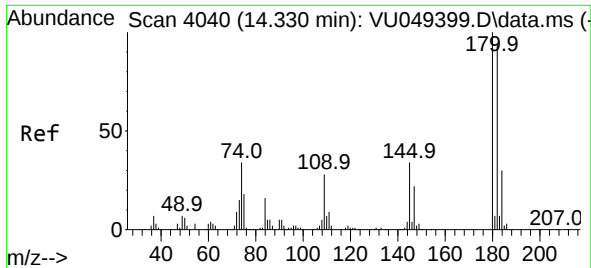
Ion Ratio Lower Upper

128 100

127 11.1 10.3 15.5

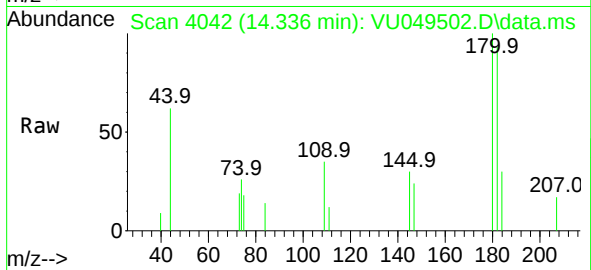
129 9.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.721 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.007 min
 Lab File: VU049502.D
 Acq: 29 Jun 2022 11:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0629MBL01



Tgt Ion:180 Resp: 2526
 Ion Ratio Lower Upper
 180 100
 182 105.9 48.4 145.0
 145 34.1 14.8 44.4

