

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049503.D
 Acq On : 29 Jun 2022 11:29
 Operator : SY/MD
 Sample : VU0629WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0629WBL01

Quant Time: Jun 30 00:47:23 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)

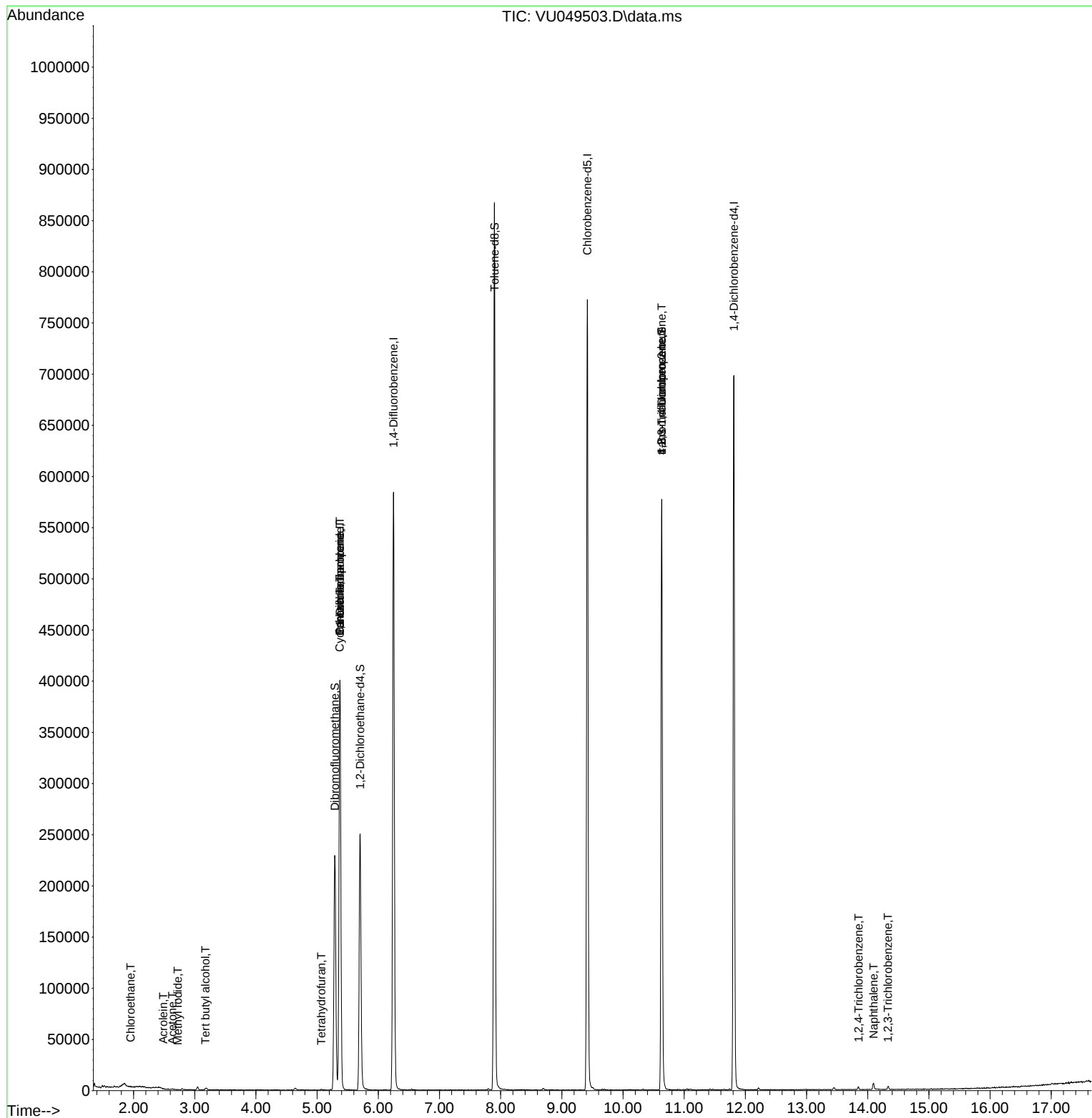
Internal Standards						
1) Pentafluorobenzene	5.372	168	278516	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	483217	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	428943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	182348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	185578	43.265	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.540%
35) Dibromofluoromethane	5.288	113	154024	45.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.120%
50) Toluene-d8	7.899	98	576851	47.839	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.680%
62) 4-Bromofluorobenzene	10.632	95	199098	43.104	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1268	Below Cal	#	80
6) Chloroethane	1.951	64	50	1.938	ug/l #	44
10) Methyl Iodide	2.723	142	106	7.543	ug/l #	43
11) Tert butyl alcohol	3.176	59	457	0.455	ug/l #	37
13) Acrolein	2.485	56	236	0.347	ug/l #	71
16) Acetone	2.636	43	775	0.358	ug/l	95
20) Methylene Chloride	3.047	84	1433	Below Cal	#	86
29) Tetrahydrofuran	5.070	42	586	0.264	ug/l #	39
31) Cyclohexane	5.369	56	5716	0.888	ug/l #	5
36) 1,1-Dichloropropene	5.372	75	22715	4.634	ug/l #	48
38) Carbon Tetrachloride	5.372	117	28416	5.527	ug/l #	16
76) 1,2,3-Trichloropropane	10.632	75	101012	16.341	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	101012	60.346	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.851	180	1080	2.009	ug/l	89
95) Naphthalene	14.095	128	6571	2.180	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.330	180	1381	1.498	ug/l	89

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

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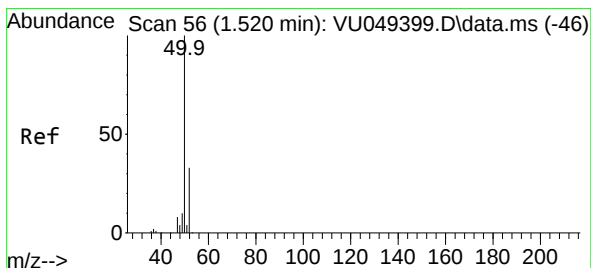
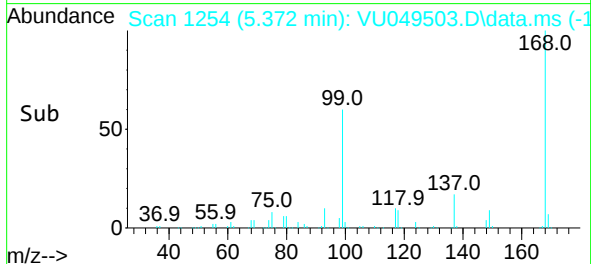
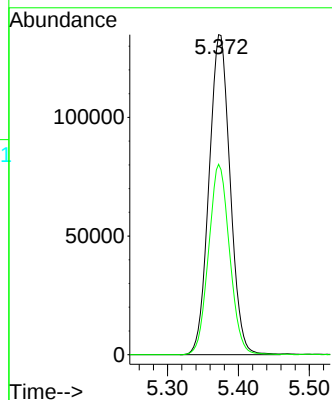
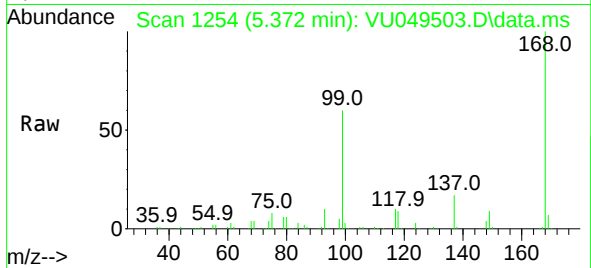




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

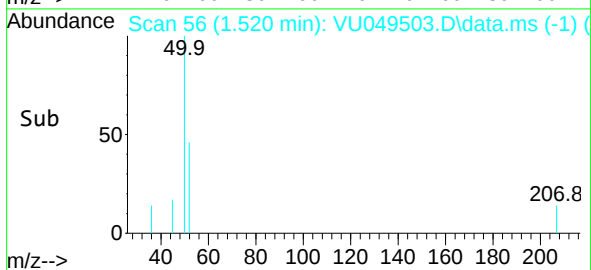
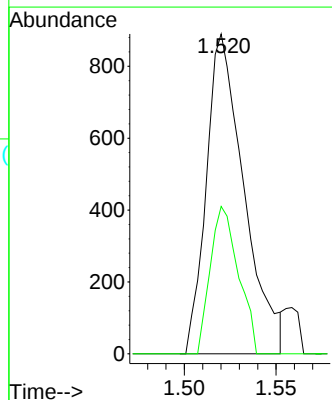
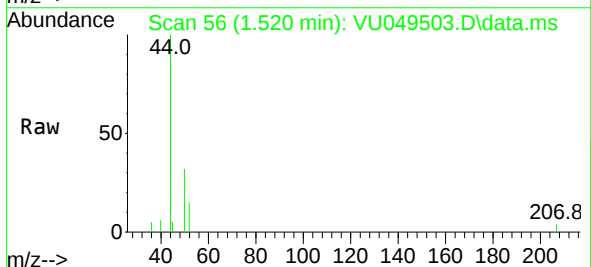
Instrument :
MSVOA_U
ClientSampleId :
VU0629WBL01

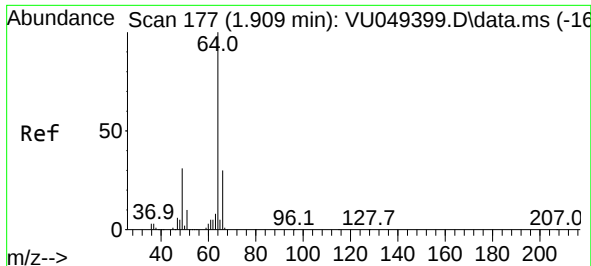
Tgt Ion:168 Resp: 278516
Ion Ratio Lower Upper
168 100
99 59.5 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Tgt Ion: 50 Resp: 1268
Ion Ratio Lower Upper
50 100
52 46.1 27.4 41.2#

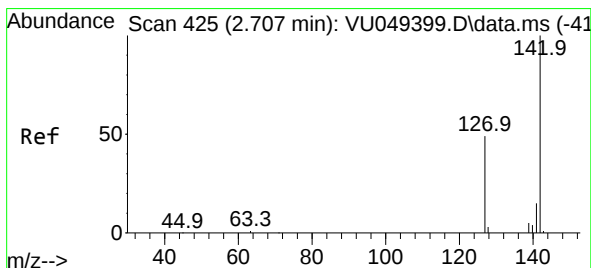
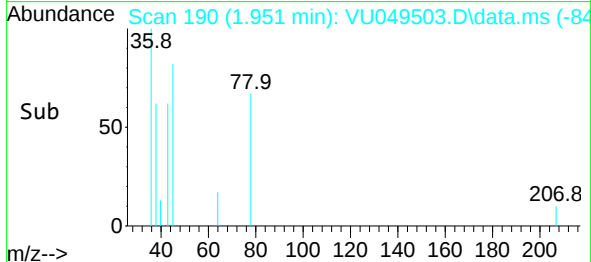
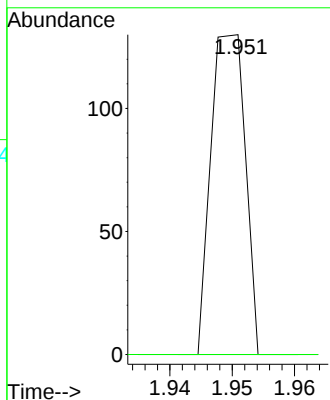
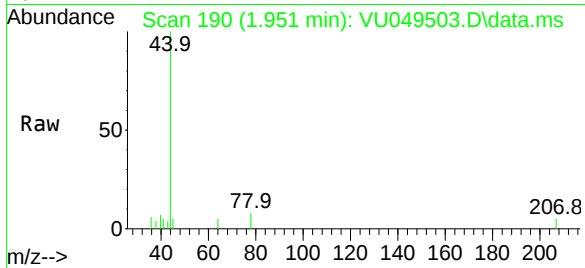




#6
Chloroethane
Concen: 1.938 ug/l
RT: 1.951 min Scan# 11
Delta R.T. 0.042 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

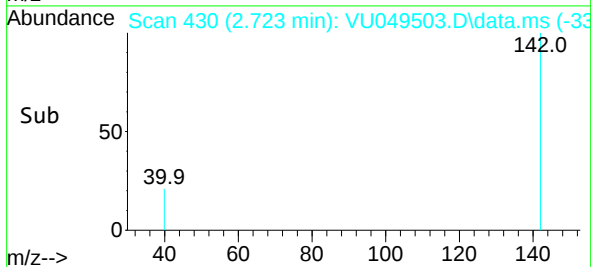
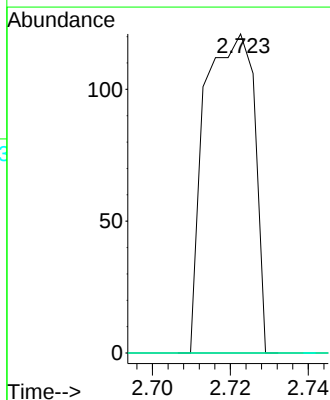
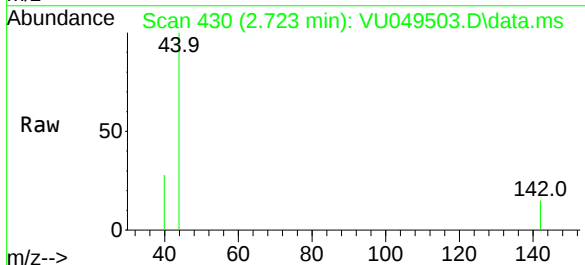
Instrument :
MSVOA_U
ClientSampleId :
VU0629WBL01

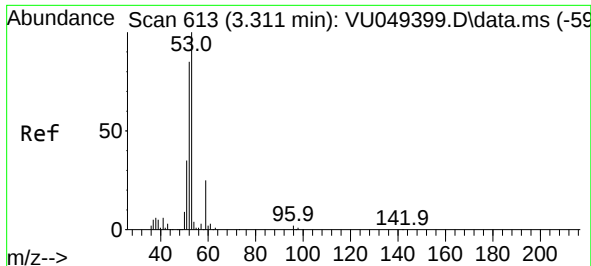
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.543 ug/l
RT: 2.723 min Scan# 430
Delta R.T. 0.016 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Tgt Ion: 142 Resp: 106
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 0.455 ug/l

RT: 3.176 min Scan# 51

Delta R.T. -0.135 min

Lab File: VU049503.D

Acq: 29 Jun 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

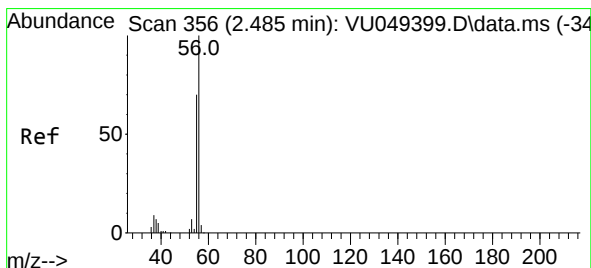
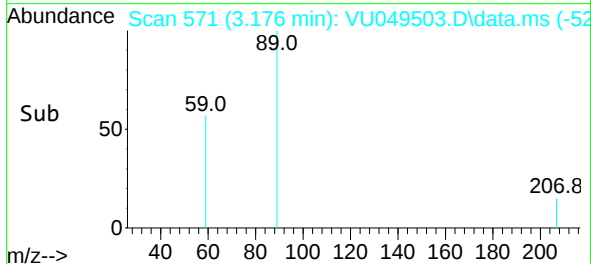
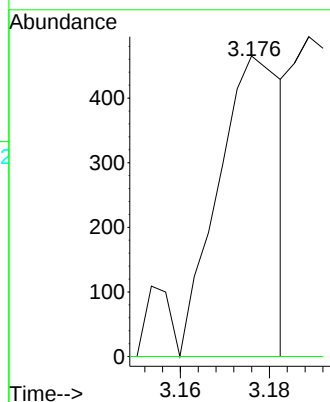
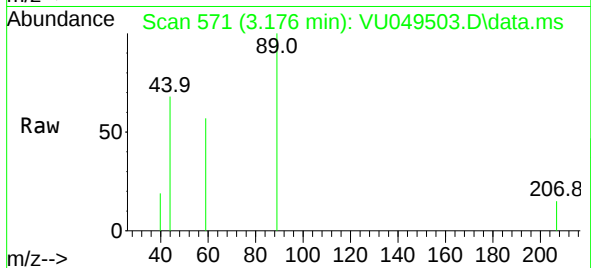
VU0629WBL01

Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

57 0.0 30.6 45.8#



#13

Acrolein

Concen: 0.347 ug/l

RT: 2.485 min Scan# 356

Delta R.T. 0.000 min

Lab File: VU049503.D

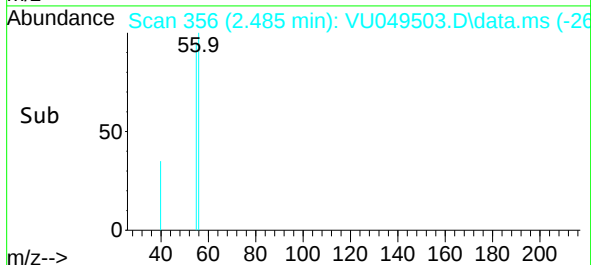
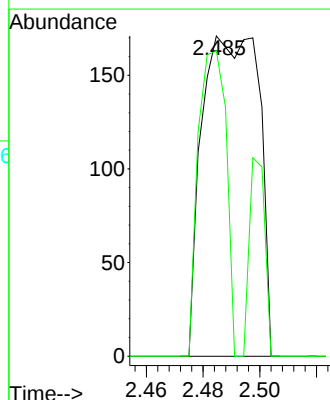
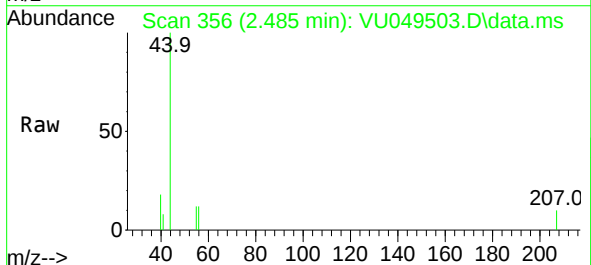
Acq: 29 Jun 2022 11:29

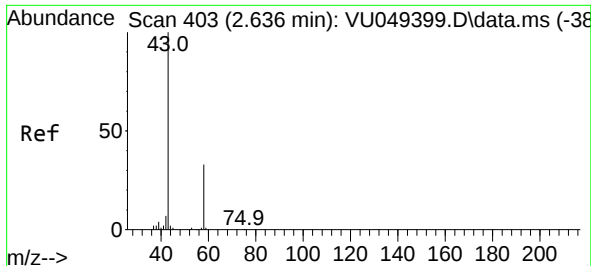
Tgt Ion: 56 Resp: 236

Ion Ratio Lower Upper

56 100

55 47.0 56.6 85.0#

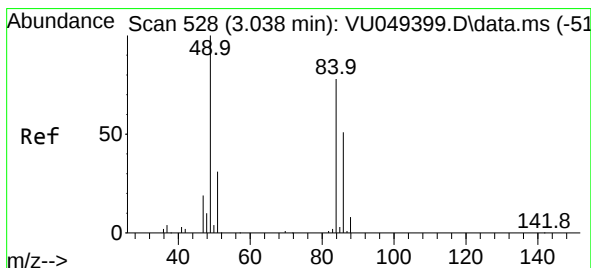
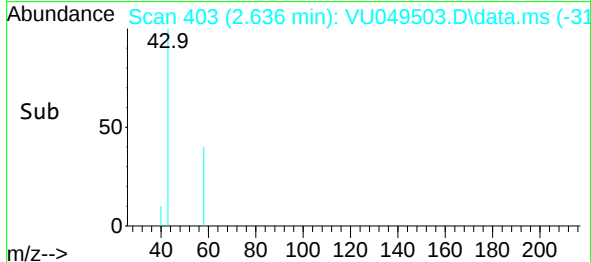
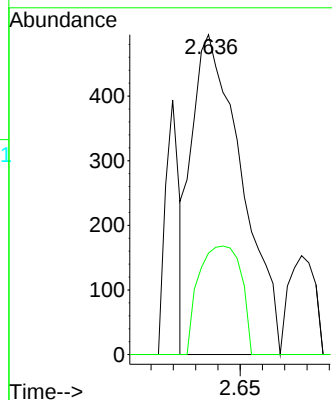
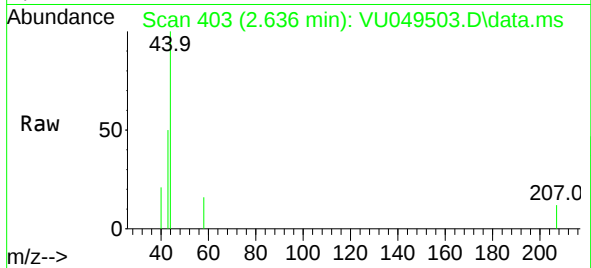




#16
Acetone
Concen: 0.358 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.000 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

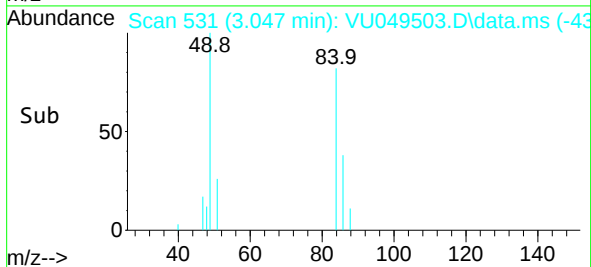
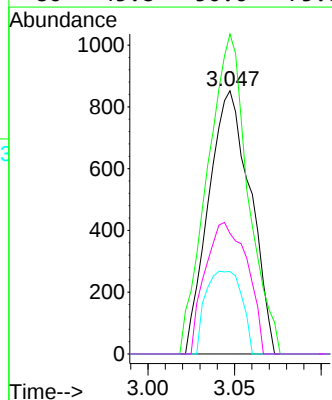
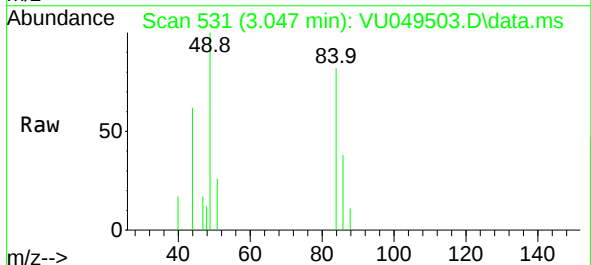
Instrument :
MSVOA_U
ClientSampleId :
VU0629WBL01

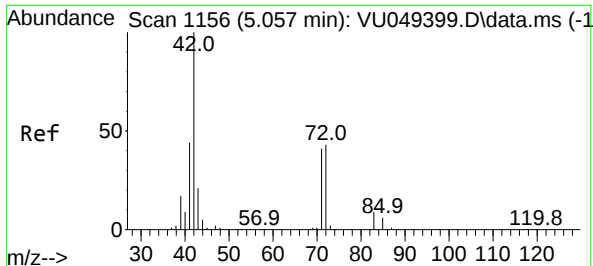
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 31.7 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 531
Delta R.T. 0.010 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Tgt Ion: 84 Resp: 1433
Ion Ratio Lower Upper
84 100
49 121.6 86.6 129.8
51 31.3 26.6 40.0
86 45.8 50.6 75.8#





#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 5.070 min Scan# 1156

Delta R.T. 0.013 min

Lab File: VU049503.D

Acq: 29 Jun 2022 11:29

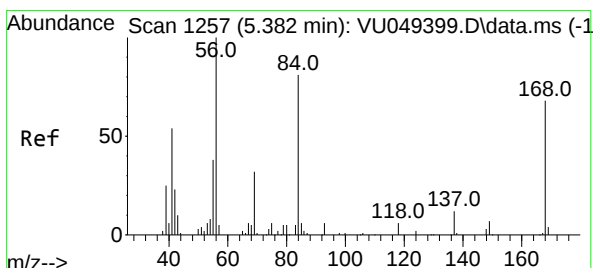
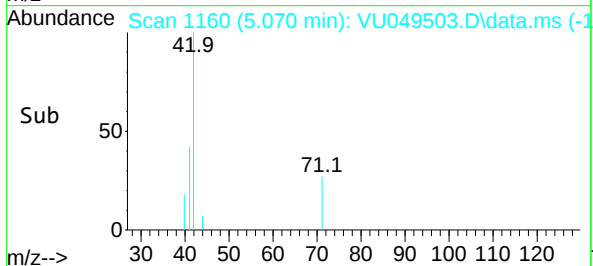
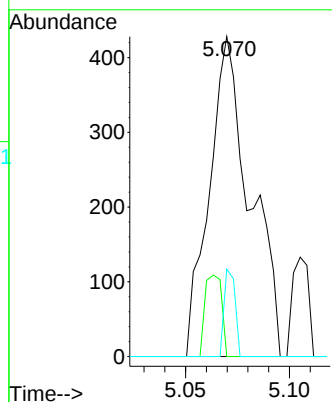
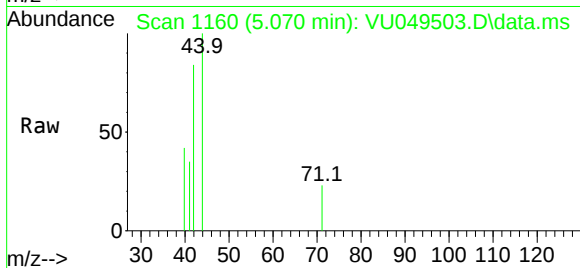
Instrument :

MSVOA_U

ClientSampleId :

VU0629WBL01

Tgt Ion:	42	Resp:	586
Ion	Ratio	Lower	Upper
42	100		
72	10.4	42.6	63.8#
71	7.3	40.3	60.5#



#31

Cyclohexane

Concen: 0.888 ug/l

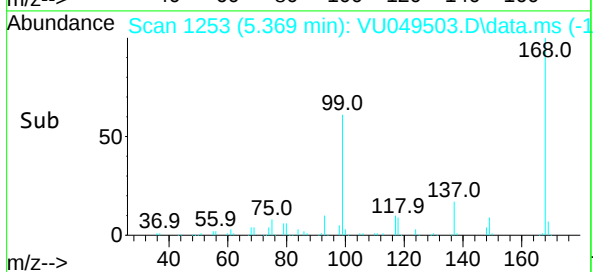
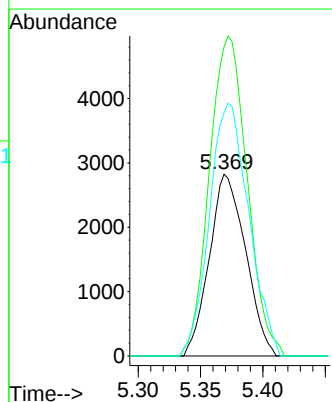
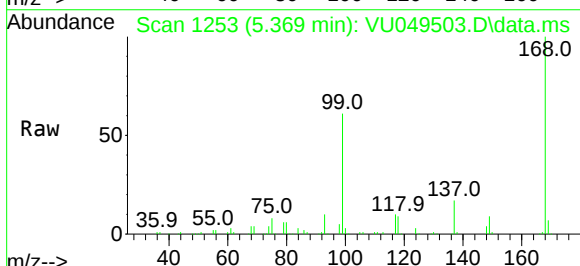
RT: 5.369 min Scan# 1253

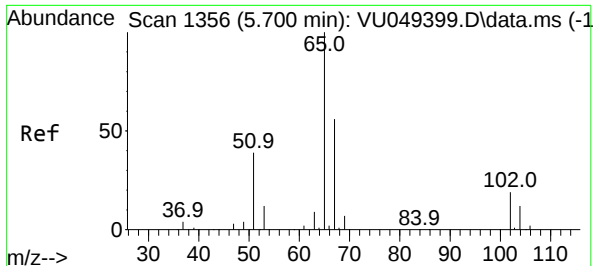
Delta R.T. -0.013 min

Lab File: VU049503.D

Acq: 29 Jun 2022 11:29

Tgt Ion:	56	Resp:	5716
Ion	Ratio	Lower	Upper
56	100		
69	170.0	27.8	41.8#
84	133.7	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 43.265 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049503.D

Acq: 29 Jun 2022 11:29

Instrument :

MSVOA_U

ClientSampleId :

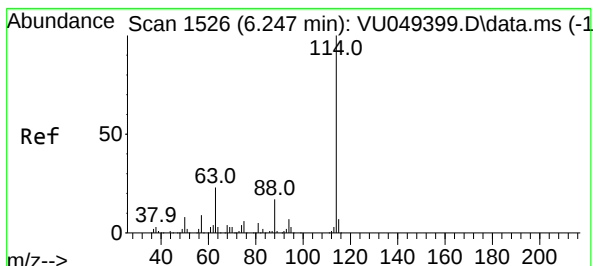
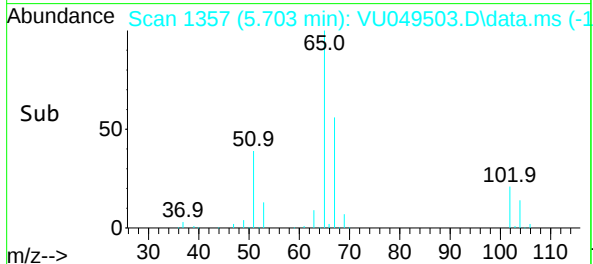
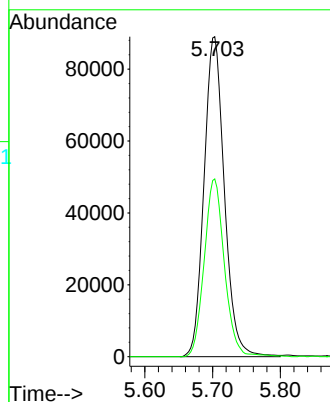
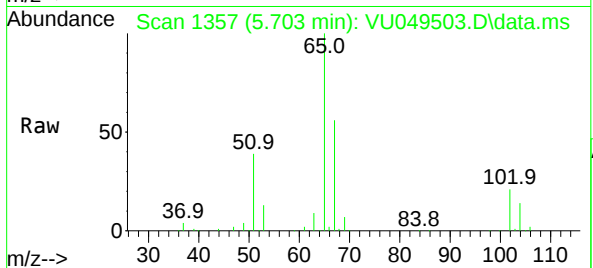
VU0629WBL01

Tgt Ion: 65 Resp: 185578

Ion Ratio Lower Upper

65 100

67 55.3 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: VU049503.D

Acq: 29 Jun 2022 11:29

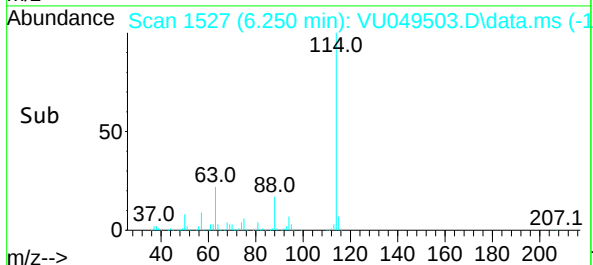
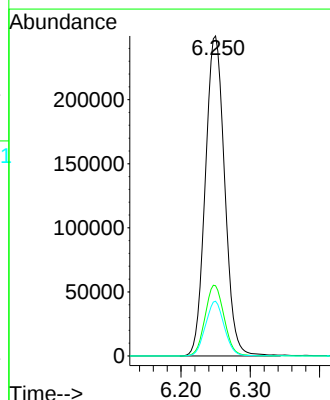
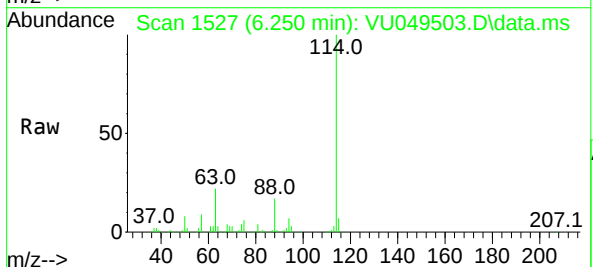
Tgt Ion: 114 Resp: 483217

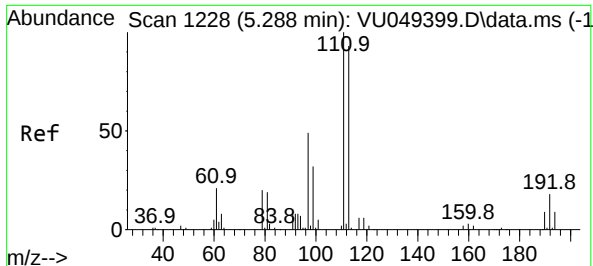
Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 17.1 0.0 29.2





#35

Dibromofluoromethane

Concen: 45.560 ug/l

RT: 5.288 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049503.D

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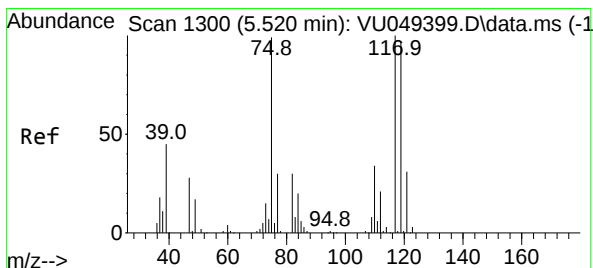
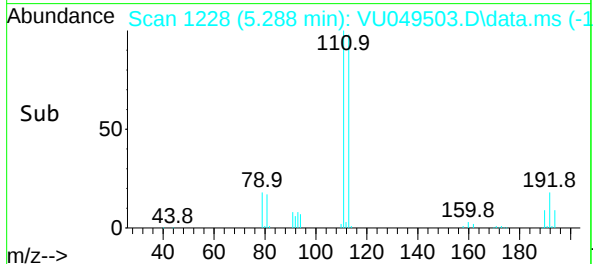
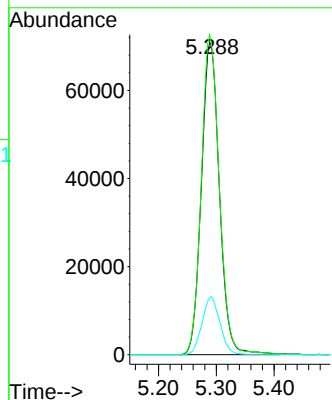
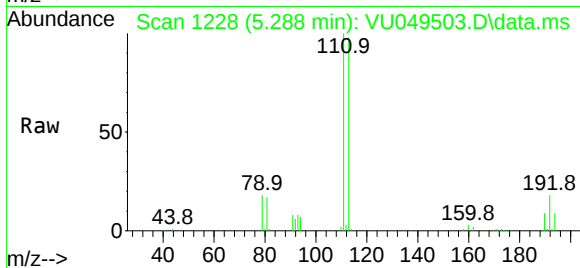
Tgt Ion:113 Resp: 154024

Ion Ratio Lower Upper

113 100

111 101.3 82.1 123.1

192 18.4 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.634 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049503.D

Acq: 29 Jun 2022 11:29

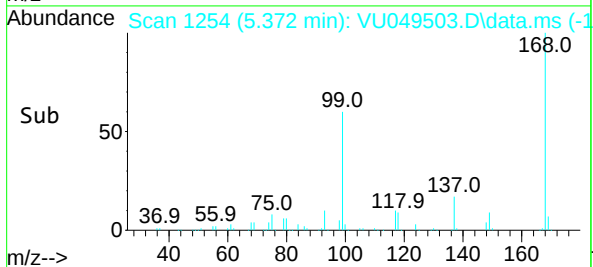
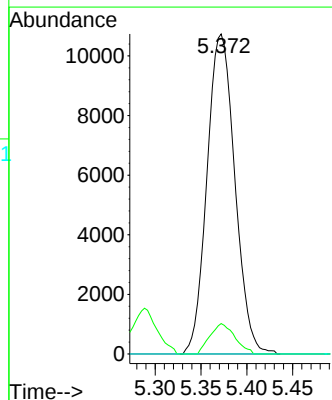
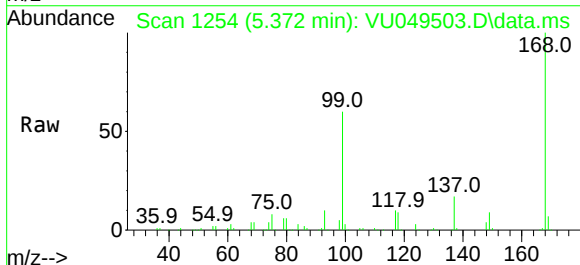
Tgt Ion: 75 Resp: 22715

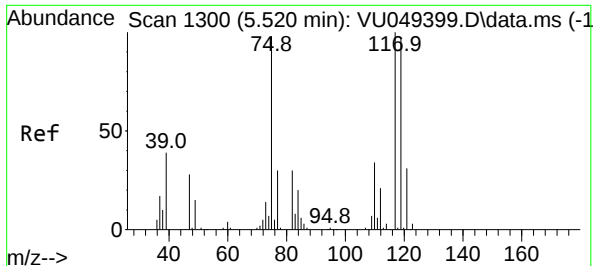
Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

77 0.0 25.1 37.7#

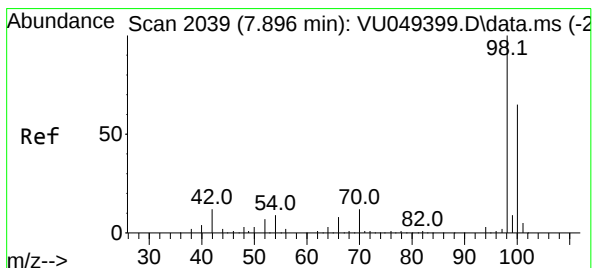
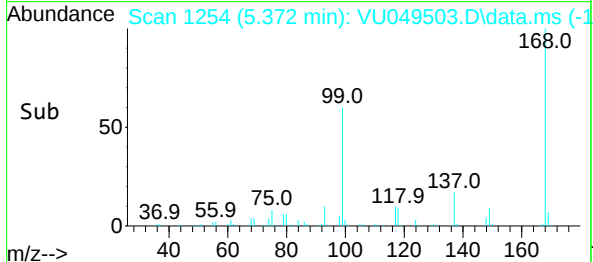
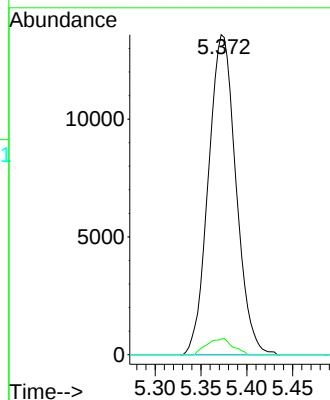
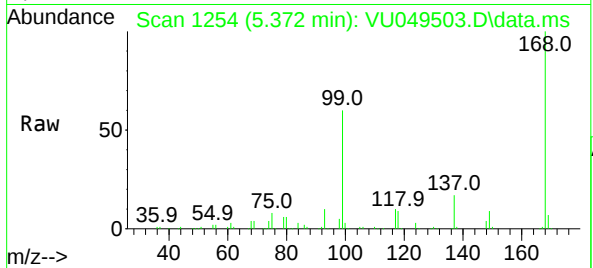




#38
Carbon Tetrachloride
Concen: 5.527 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

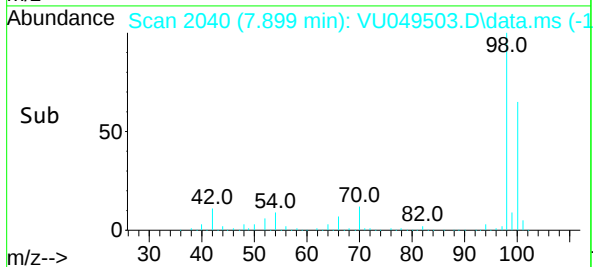
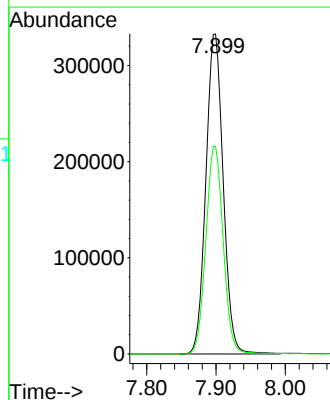
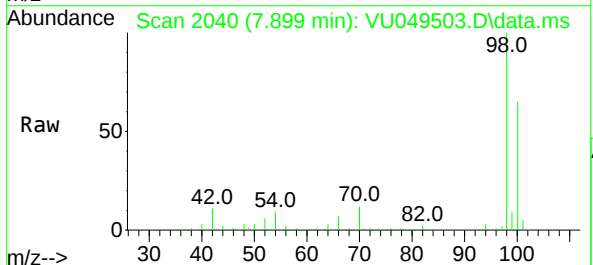
Instrument :
MSVOA_U
ClientSampleId :
VU0629WBL01

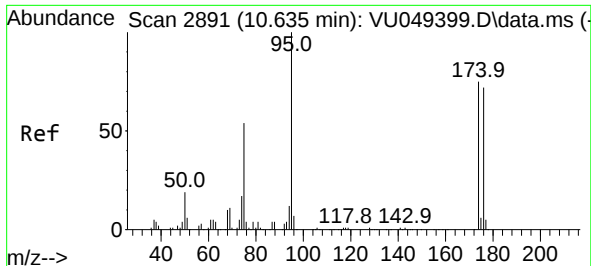
Tgt Ion:117 Resp: 28416
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.839 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.003 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Tgt Ion: 98 Resp: 576851
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5

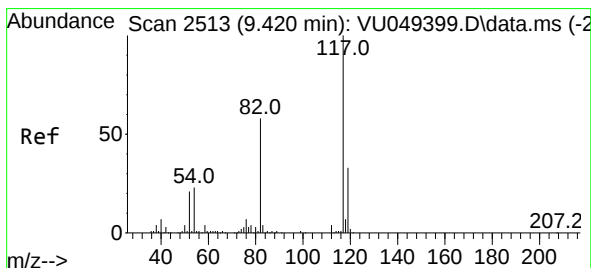
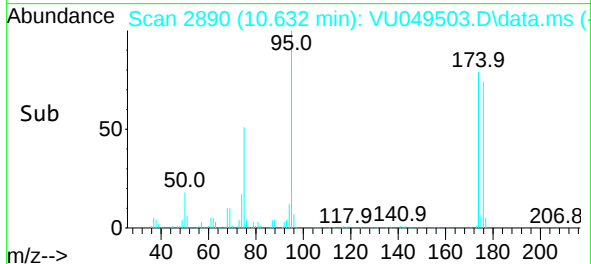
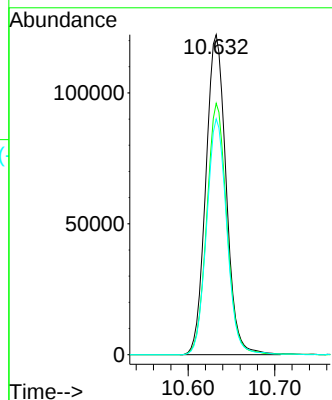
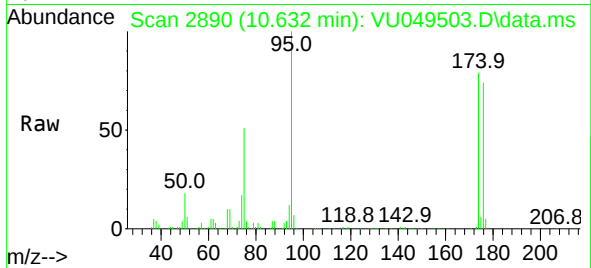




#62
4-Bromofluorobenzene
Concen: 43.104 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

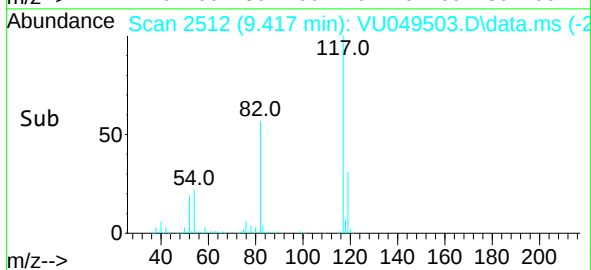
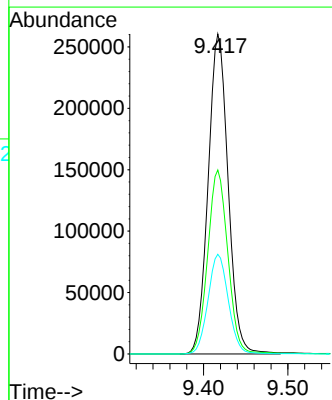
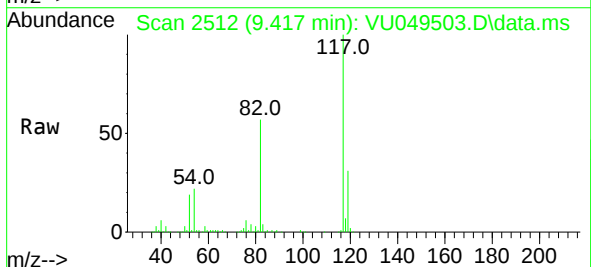
Instrument :
MSVOA_U
ClientSampleId :
VU0629WBL01

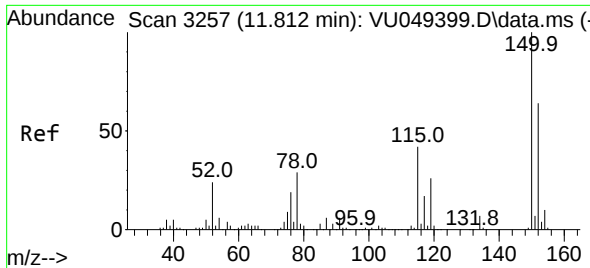
Tgt Ion: 95 Resp: 199098
Ion Ratio Lower Upper
95 100
174 77.6 0.0 182.0
176 73.3 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Tgt Ion: 117 Resp: 428943
Ion Ratio Lower Upper
117 100
82 57.5 41.7 62.5
119 31.1 25.7 38.5

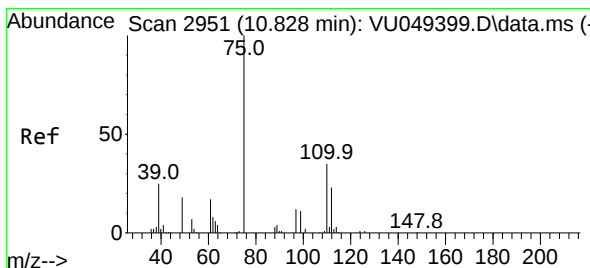
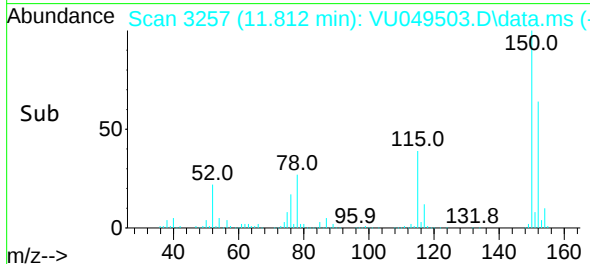
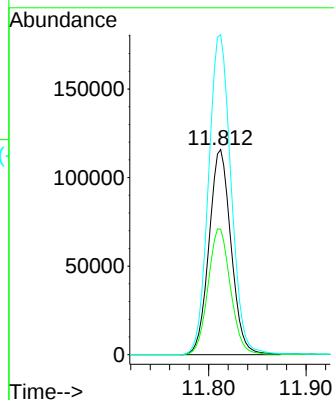
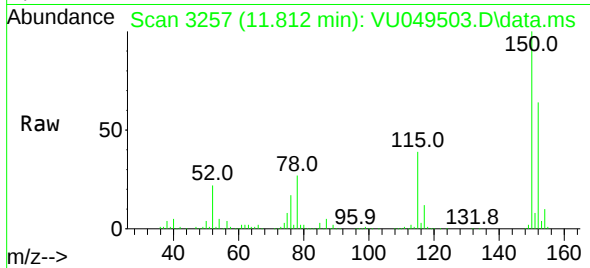




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049503.D
 Acq: 29 Jun 2022 11:29

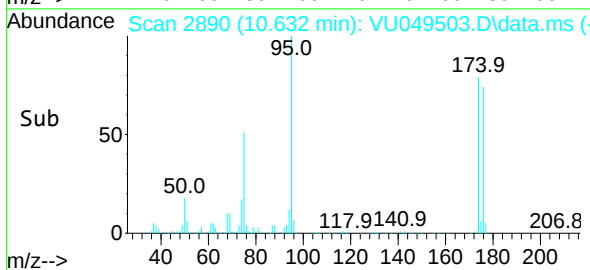
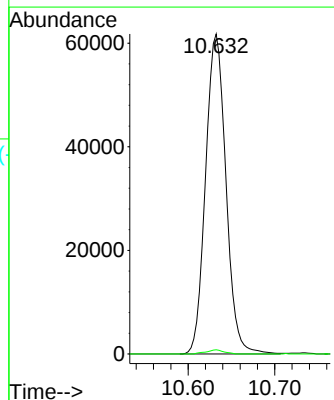
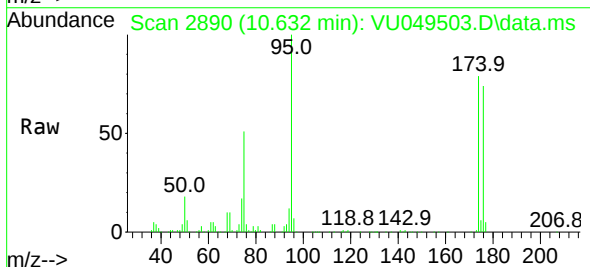
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0629WBL01

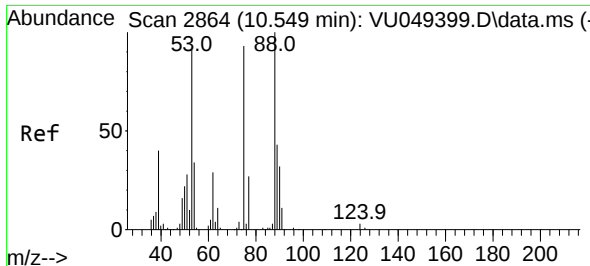
Tgt Ion:152 Resp: 182348
 Ion Ratio Lower Upper
 152 100
 115 62.5 37.0 110.9
 150 159.5 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.341 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049503.D
 Acq: 29 Jun 2022 11:29

Tgt Ion: 75 Resp: 101012
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

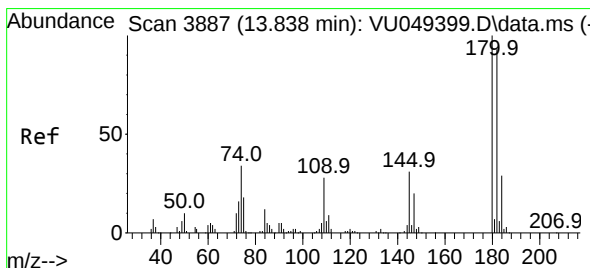
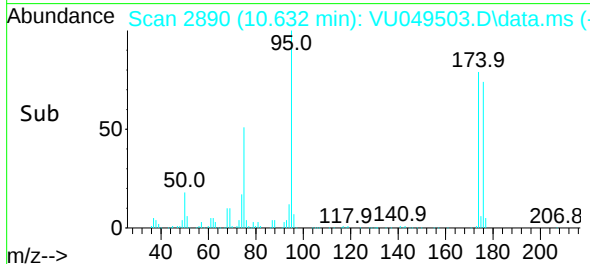
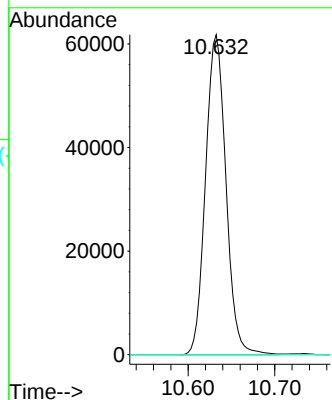
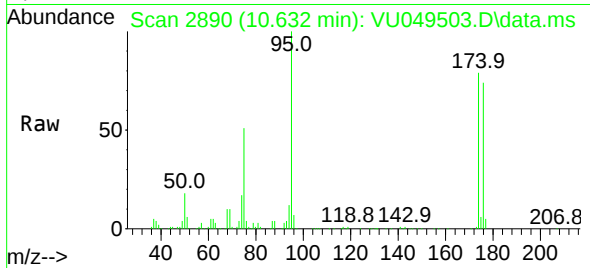




#81
trans-1,4-Dichloro-2-butene
Concen: 60.346 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

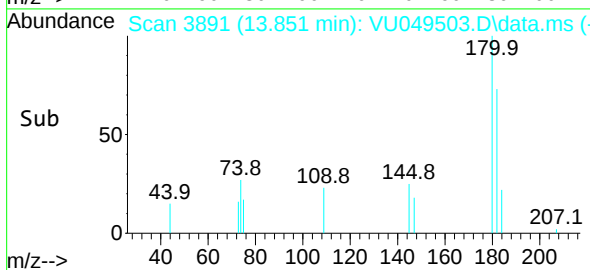
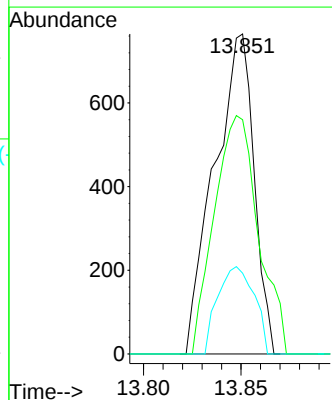
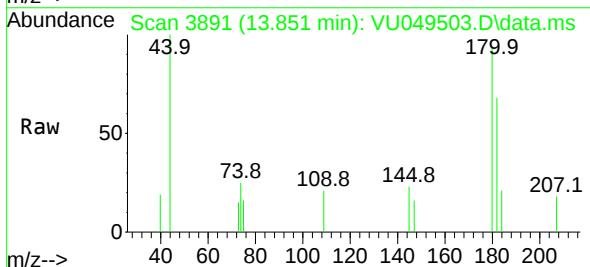
Instrument :
MSVOA_U
ClientSampleId :
VU0629WBL01

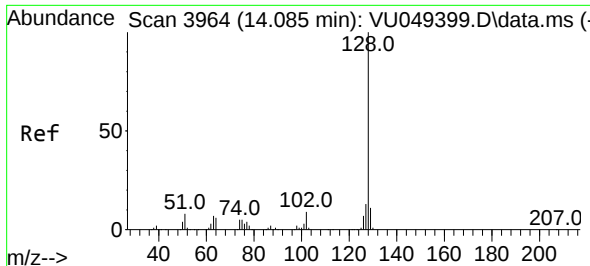
Tgt Ion: 75 Resp: 101012
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.009 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Tgt Ion: 180 Resp: 1080
Ion Ratio Lower Upper
180 100
182 82.9 47.9 143.6
145 25.2 14.0 41.9

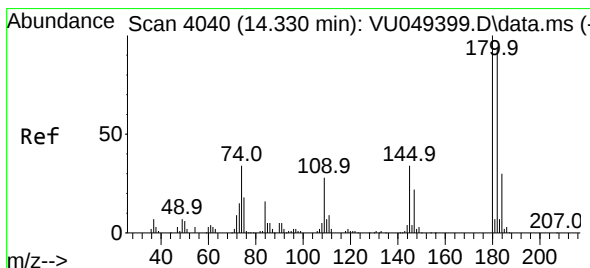
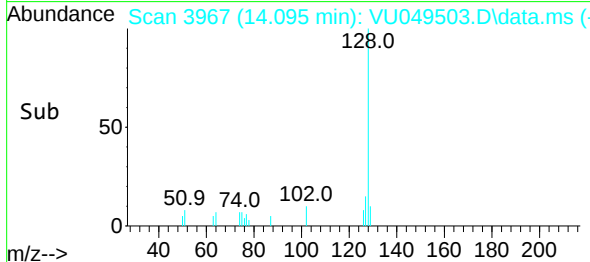
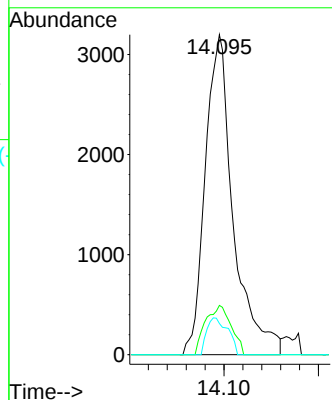
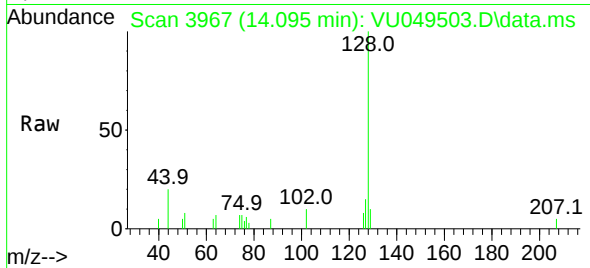




#95
Naphthalene
Concen: 2.180 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0629WBL01

Tgt Ion:128 Resp: 6571
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 8.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.498 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049503.D
Acq: 29 Jun 2022 11:29

Tgt Ion:180 Resp: 1381
Ion Ratio Lower Upper
180 100
182 84.8 48.4 145.0
145 26.1 14.8 44.4

