

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049449.D
 Acq On : 28 Jun 2022 11:39
 Operator : SY/MD
 Sample : VU0628WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL01

Quant Time: Jun 28 17:06:52 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)

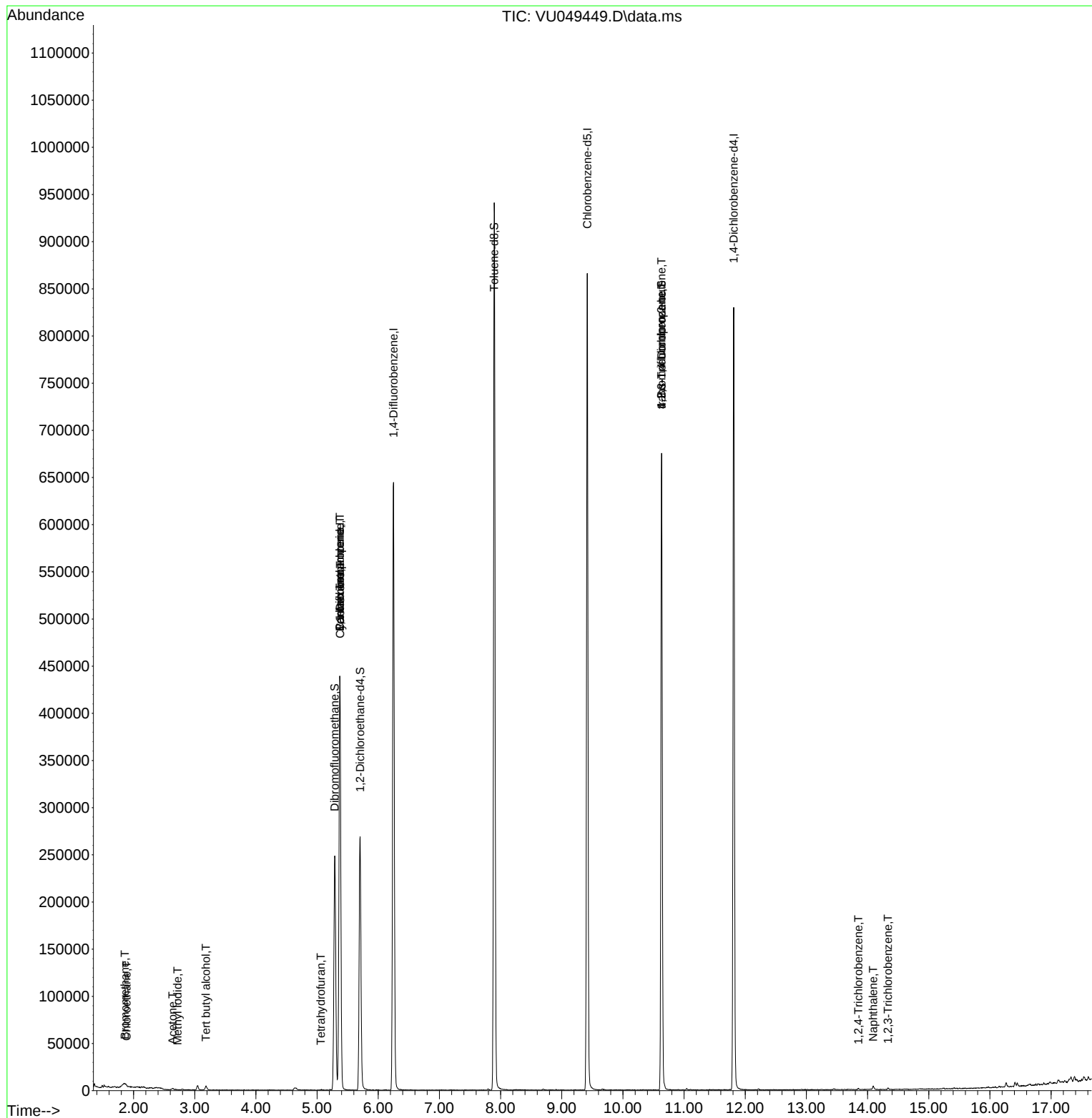
Internal Standards						
1) Pentafluorobenzene	5.372	168	307520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	527293	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	470598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	218036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	201244	42.492	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.980%
35) Dibromofluoromethane	5.288	113	163718	44.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.760%
50) Toluene-d8	7.896	98	625856	47.565	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.120%
62) 4-Bromofluorobenzene	10.632	95	231355	45.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1611	Below Cal		97
5) Bromomethane	1.858	94	380	0.246 ug/l	#	64
6) Chloroethane	1.887	64	61	1.941 ug/l	#	44
10) Methyl Iodide	2.719	142	104	7.539 ug/l	#	66
11) Tert butyl alcohol	3.182	59	2724	2.457 ug/l	#	37
16) Acetone	2.639	43	1402	0.587 ug/l	#	78
20) Methylene Chloride	3.044	84	2201	Below Cal		95
29) Tetrahydrofuran	5.063	42	548	0.223 ug/l	#	32
31) Cyclohexane	5.375	56	6356	0.894 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	24802	4.637 ug/l	#	49
38) Carbon Tetrachloride	5.372	117	30805	5.491 ug/l	#	15
76) 1,2,3-Trichloropropane	10.632	75	117240	15.862 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	117240	58.577 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.847	180	581	1.869 ug/l		81
95) Naphthalene	14.092	128	4075	1.966 ug/l	#	92
96) 1,2,3-Trichlorobenzene	14.333	180	806	1.334 ug/l	#	78

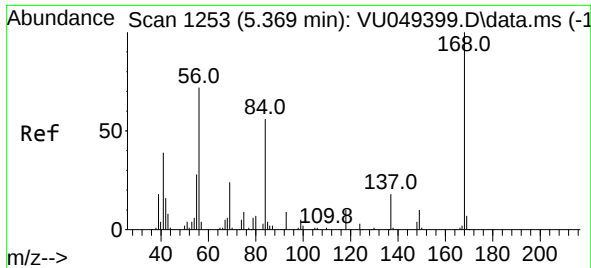
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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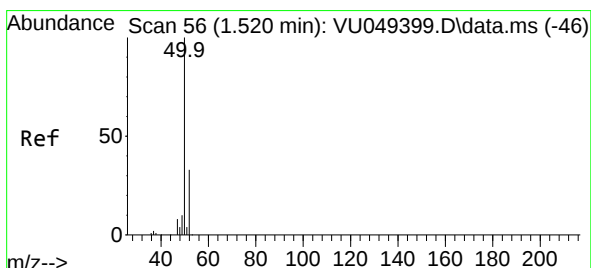
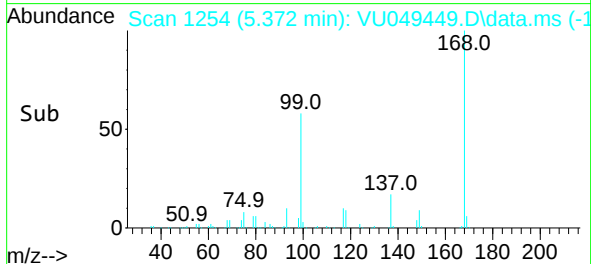
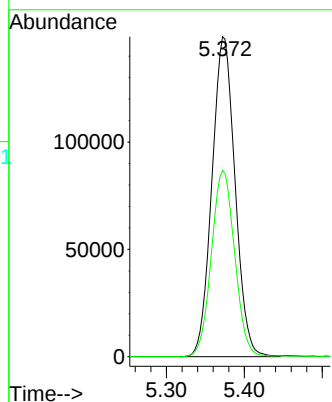
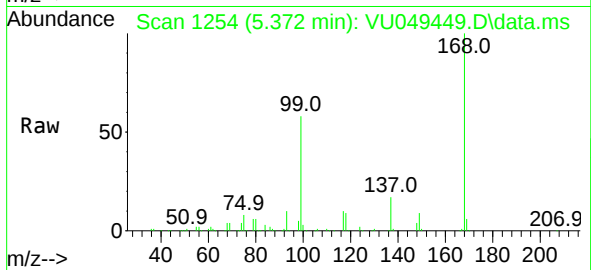




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

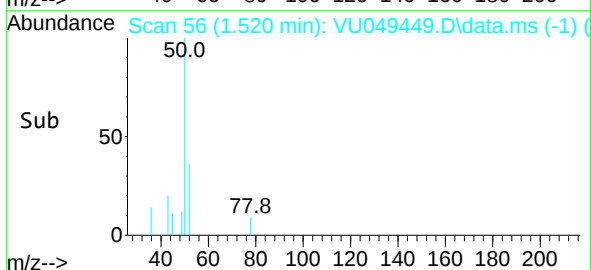
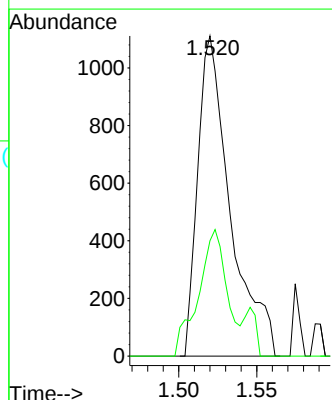
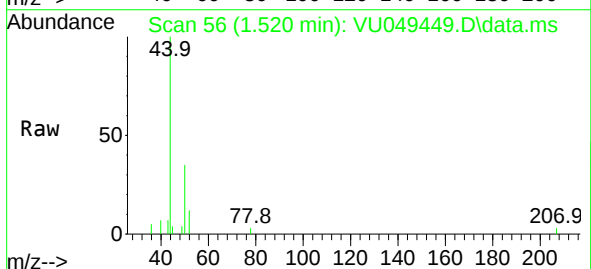
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

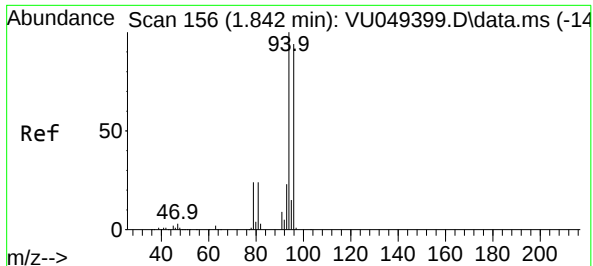
Tgt Ion:168 Resp: 307520
Ion Ratio Lower Upper
168 100
99 58.2 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

Tgt Ion: 50 Resp: 1611
Ion Ratio Lower Upper
50 100
52 36.0 27.4 41.2

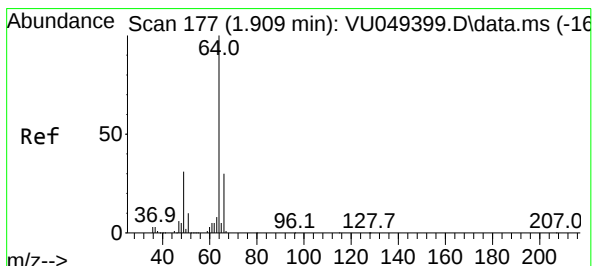
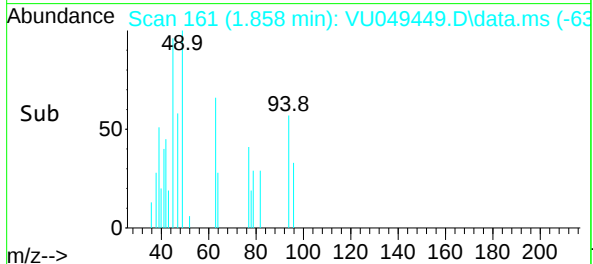
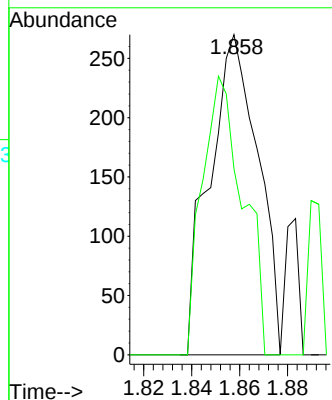
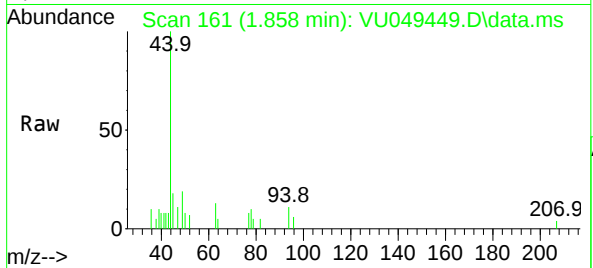




#5
Bromomethane
Concen: 0.246 ug/l
RT: 1.858 min Scan# 1
Delta R.T. 0.016 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

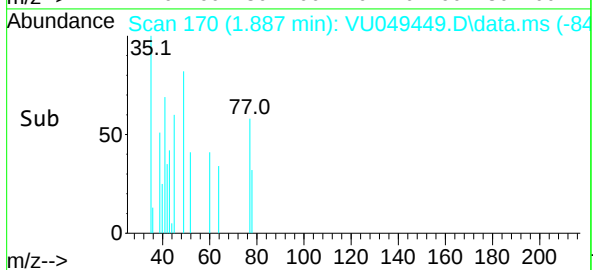
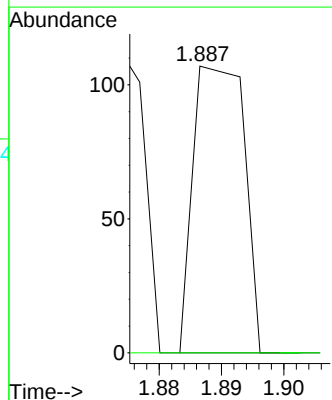
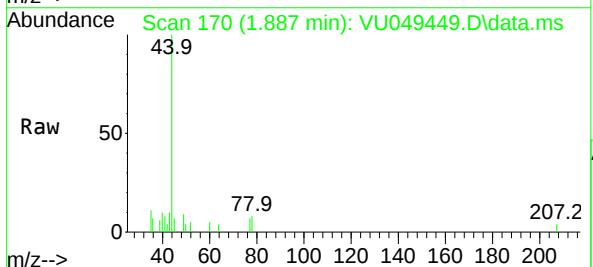
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

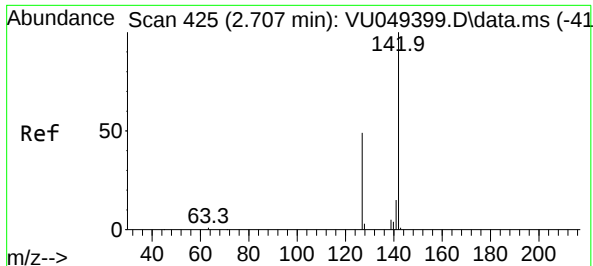
Tgt Ion: 94 Resp: 380
Ion Ratio Lower Upper
94 100
96 58.1 73.7 110.5#



#6
Chloroethane
Concen: 1.941 ug/l
RT: 1.887 min Scan# 170
Delta R.T. -0.023 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

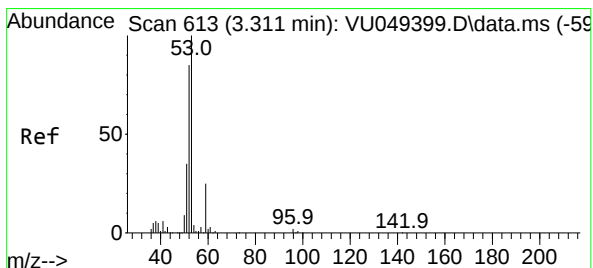
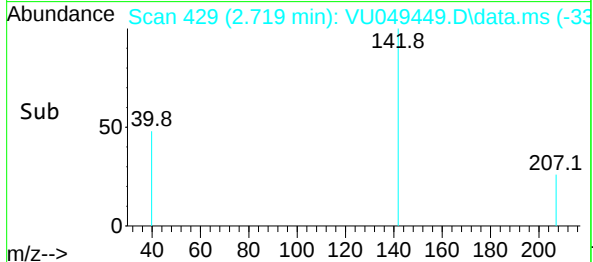
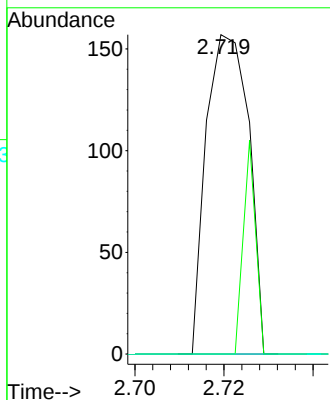
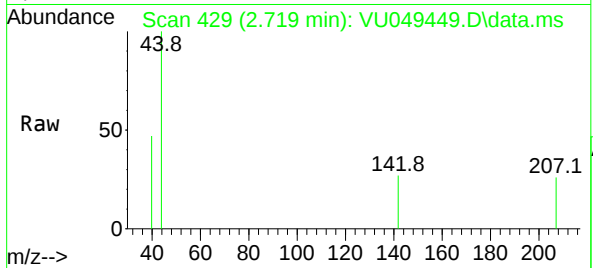




#10
Methyl Iodide
Concen: 7.539 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

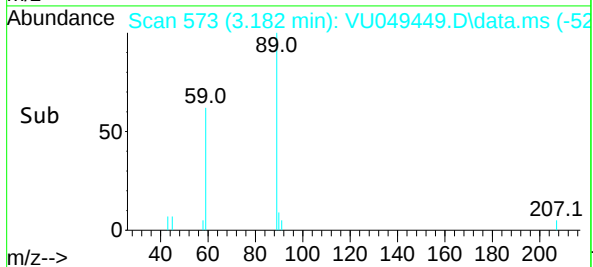
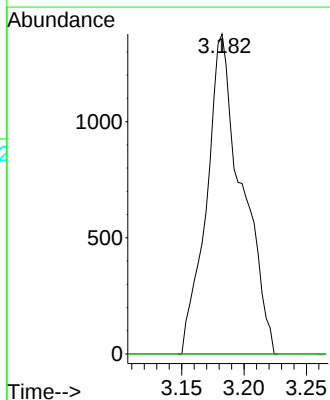
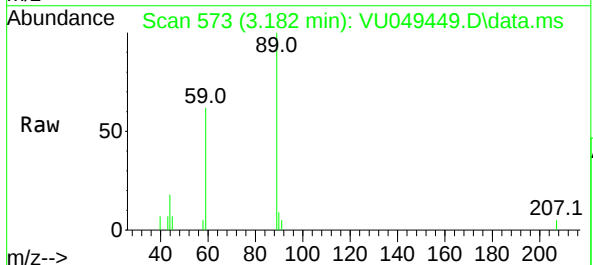
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

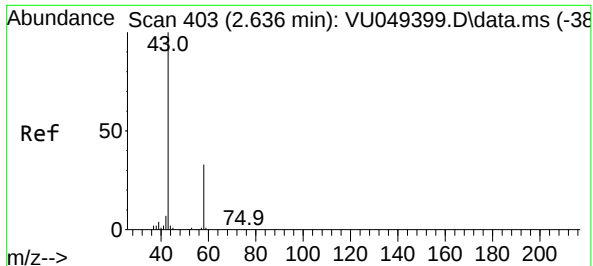
Tgt Ion:142 Resp: 104
Ion Ratio Lower Upper
142 100
127 19.2 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.457 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.129 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

Tgt Ion: 59 Resp: 2724
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

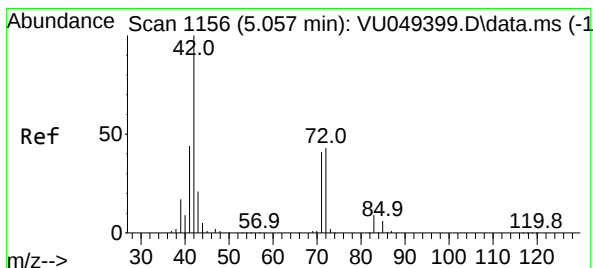
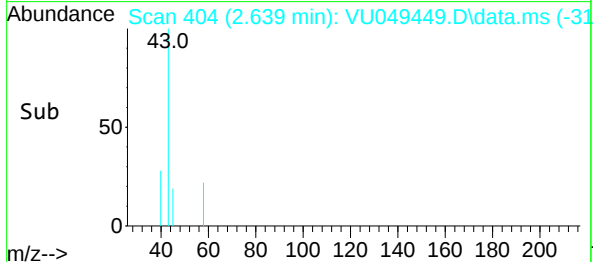
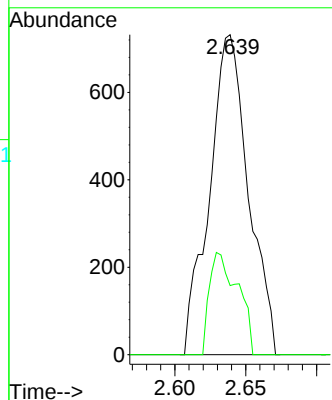
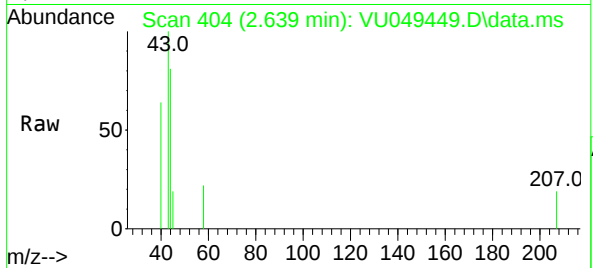




#16
Acetone
Concen: 0.587 ug/l
RT: 2.639 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

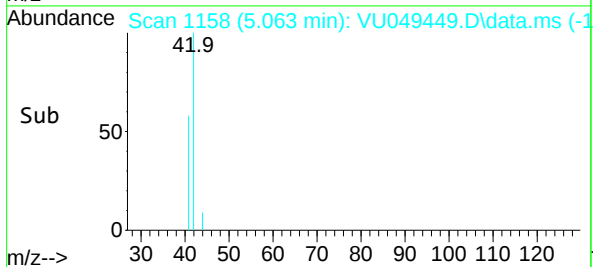
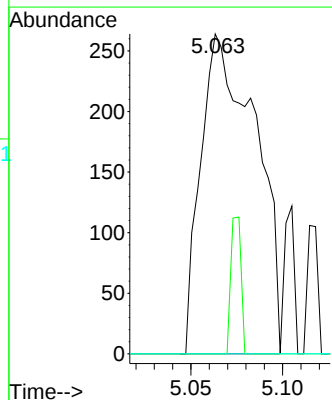
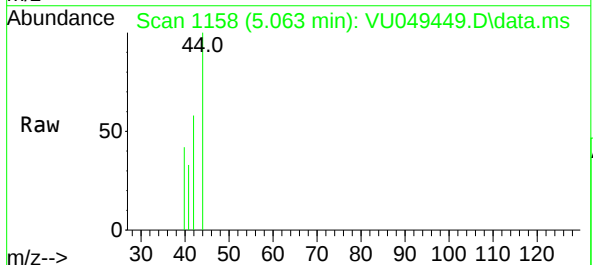
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

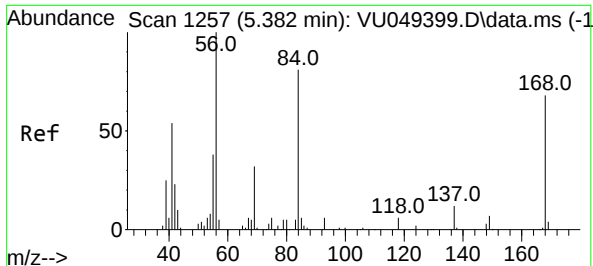
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 21.6 27.5 41.3#



#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

Tgt Ion: 42 Resp: 548
Ion Ratio Lower Upper
42 100
72 7.8 42.6 63.8#
71 0.0 40.3 60.5#





#31

Cyclohexane

Concen: 0.894 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU049449.D

Acq: 28 Jun 2022 11:39

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBL01

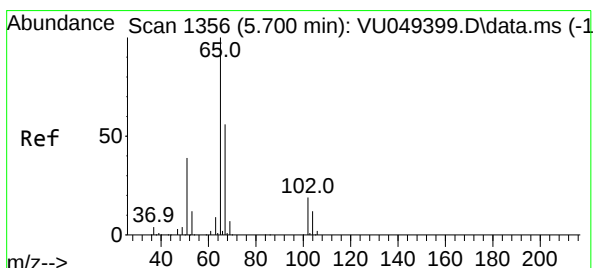
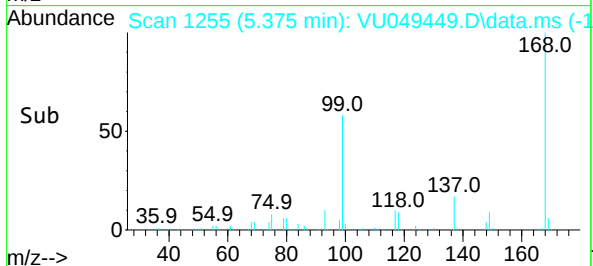
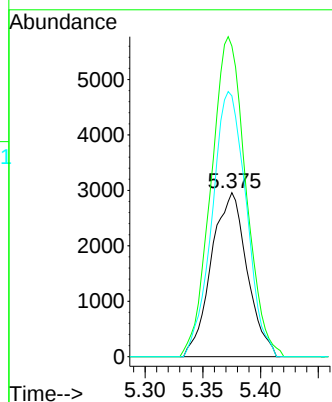
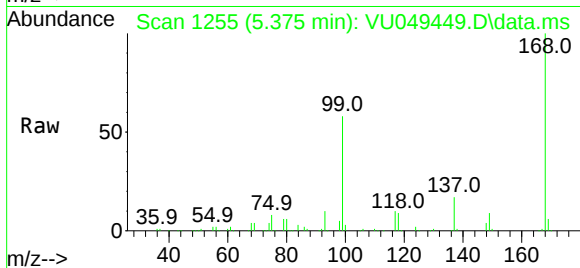
Tgt Ion: 56 Resp: 6356

Ion Ratio Lower Upper

56 100

69 189.4 27.8 41.8#

84 158.9 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 42.492 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049449.D

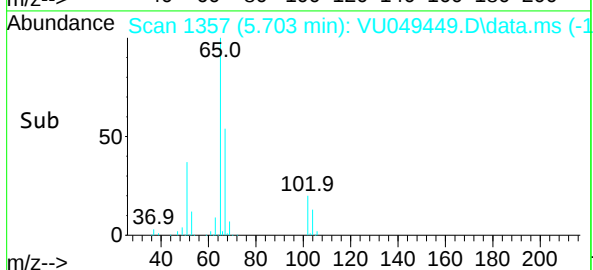
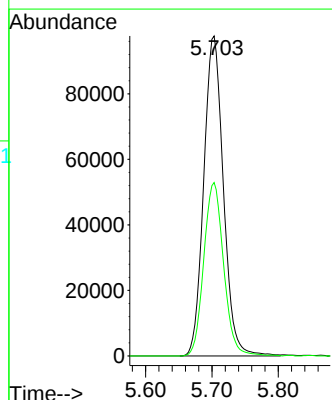
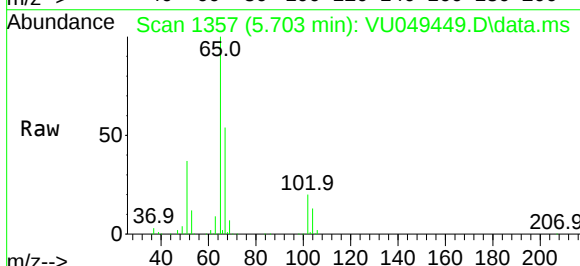
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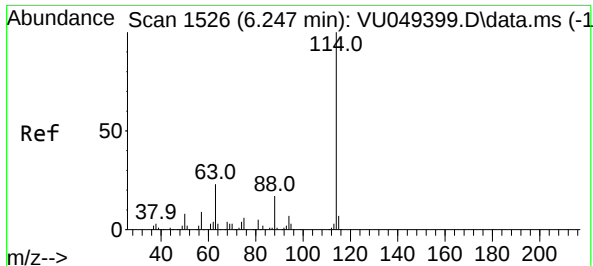
Tgt Ion: 65 Resp: 201244

Ion Ratio Lower Upper

65 100

67 54.6 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: VU049449.D

Acq: 28 Jun 2022 11:39

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBL01

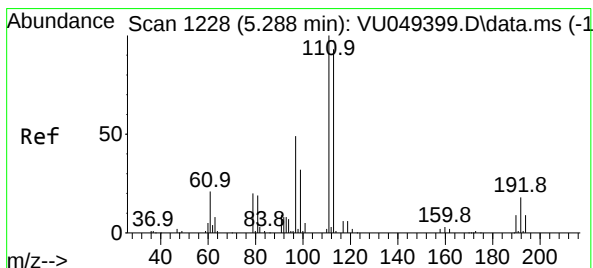
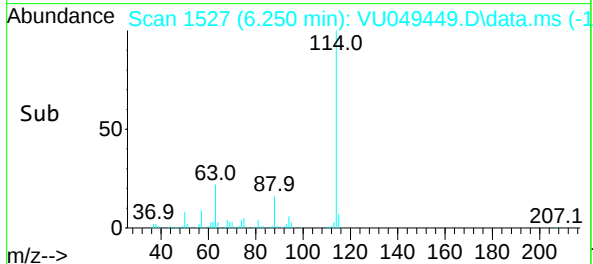
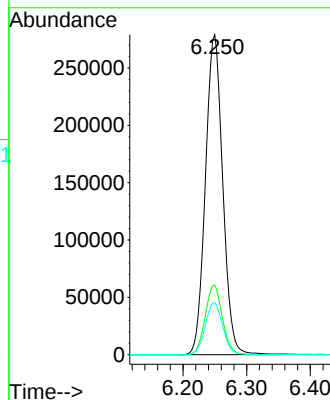
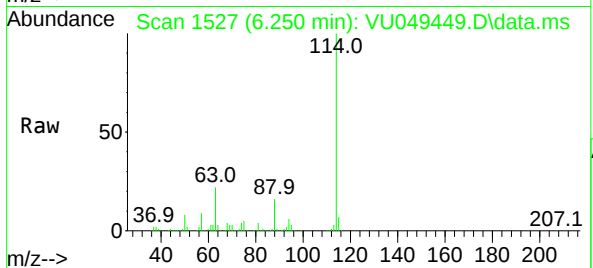
Tgt Ion:114 Resp: 527293

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.379 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VU049449.D

Acq: 28 Jun 2022 11:39

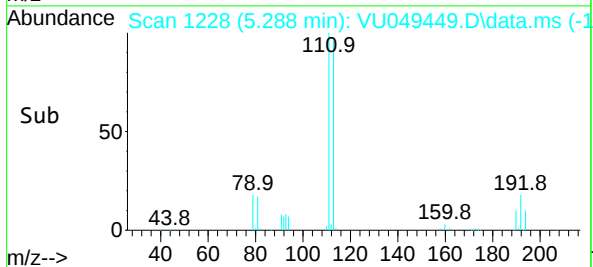
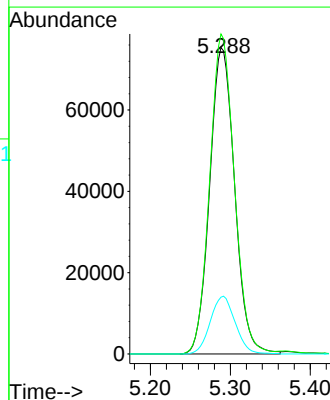
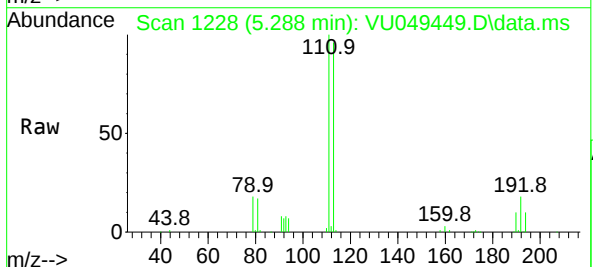
Tgt Ion:113 Resp: 163718

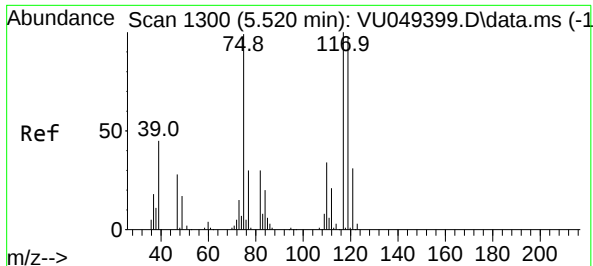
Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

192 18.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.637 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049449.D

Acq: 28 Jun 2022 11:39

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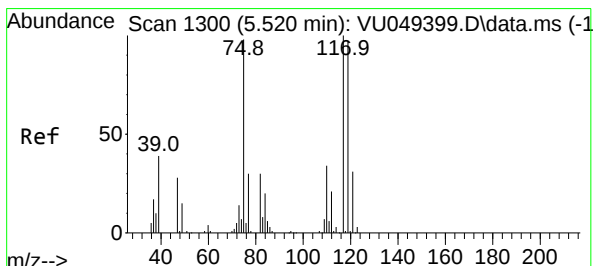
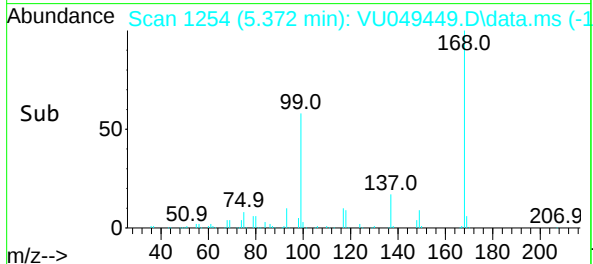
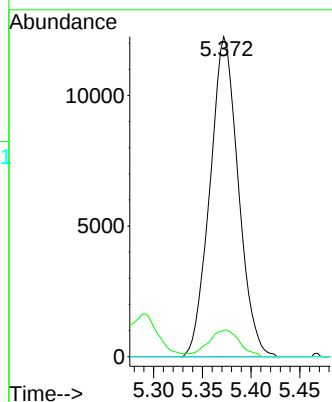
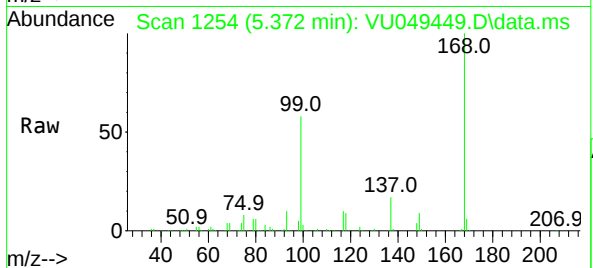
Tgt Ion: 75 Resp: 24802

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.491 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049449.D

Acq: 28 Jun 2022 11:39

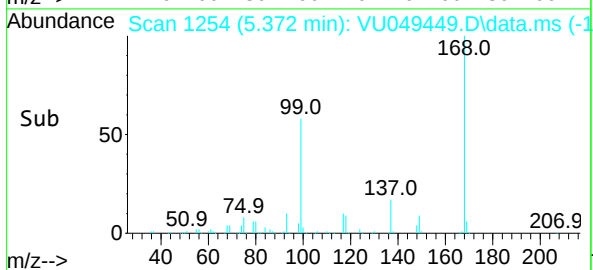
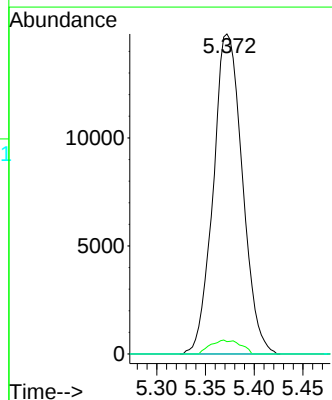
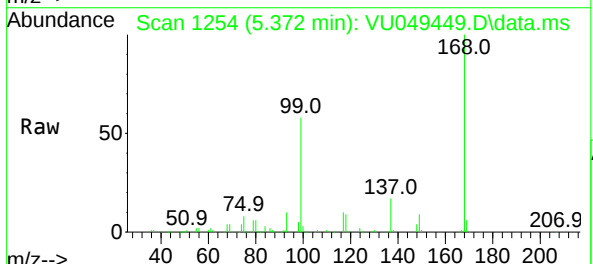
Tgt Ion:117 Resp: 30805

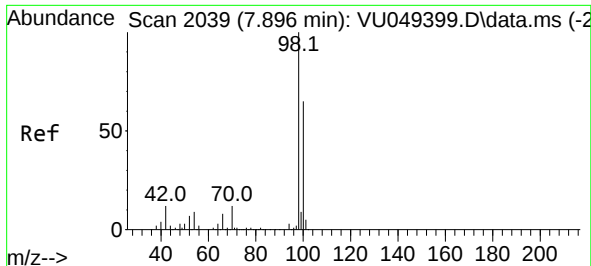
Ion Ratio Lower Upper

117 100

119 3.9 76.8 115.2#

121 0.0 24.7 37.1#

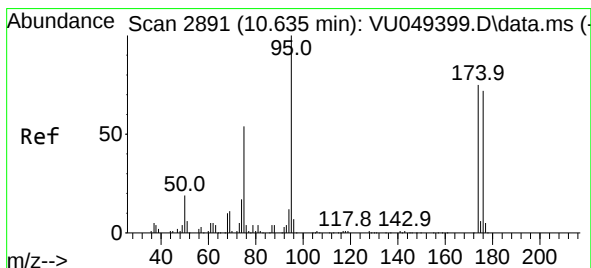
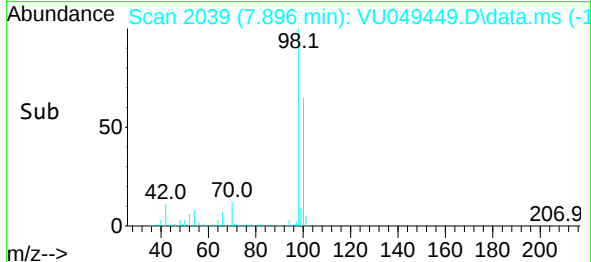
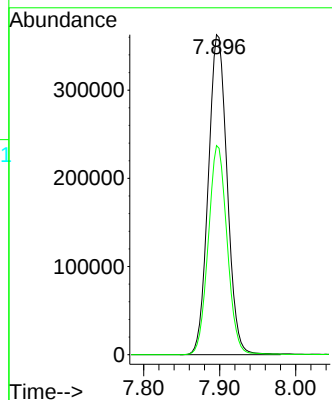
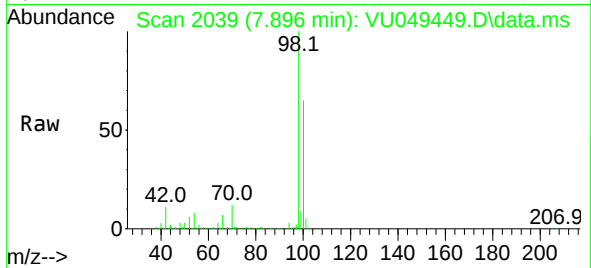




#50
Toluene-d8
Concen: 47.565 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

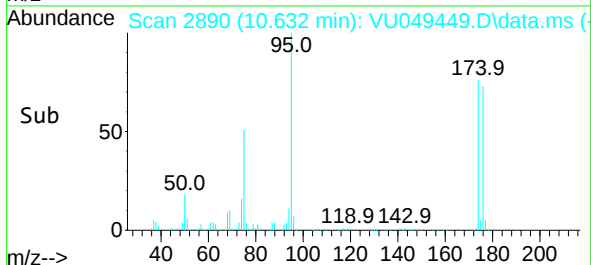
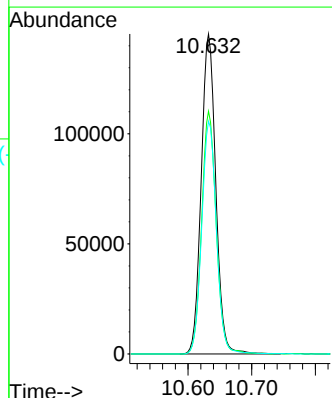
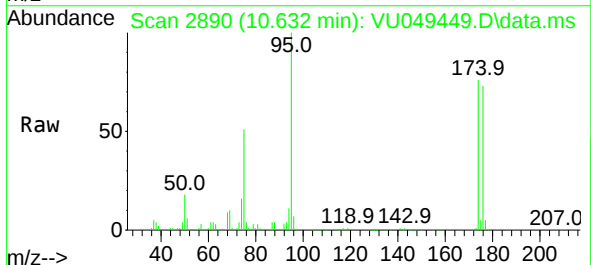
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

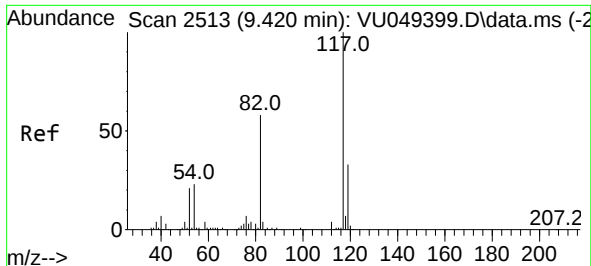
Tgt Ion: 98 Resp: 625856
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.900 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

Tgt Ion: 95 Resp: 231355
Ion Ratio Lower Upper
95 100
174 75.6 0.0 182.0
176 73.2 0.0 177.8

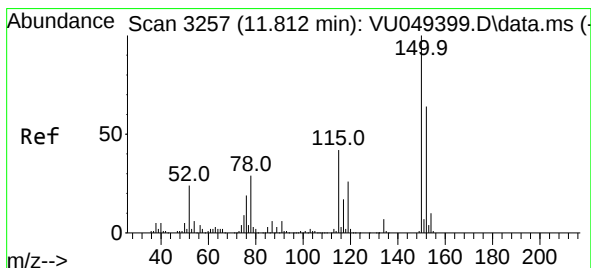
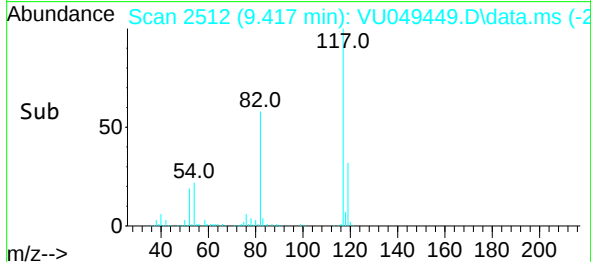
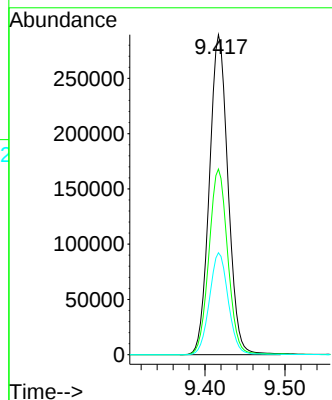
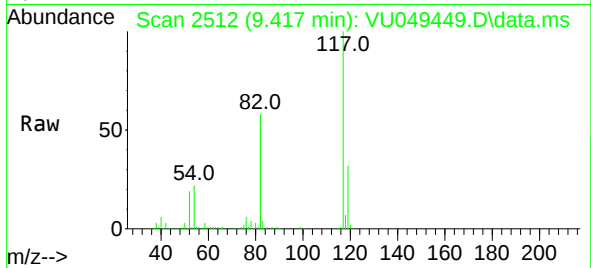




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

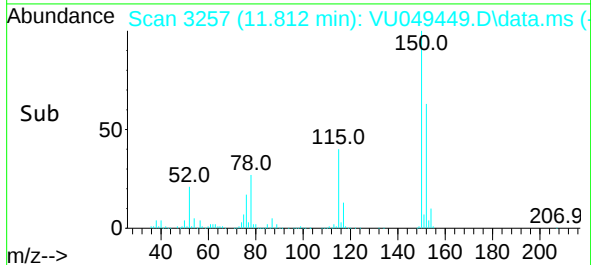
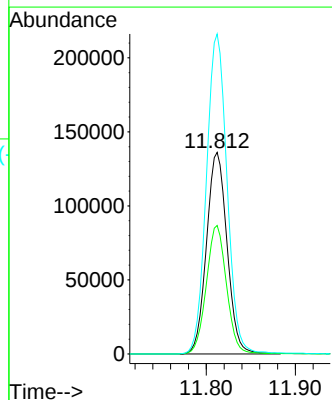
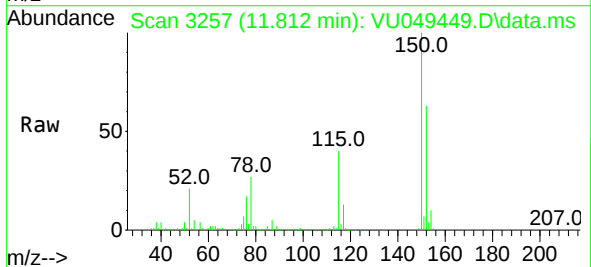
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

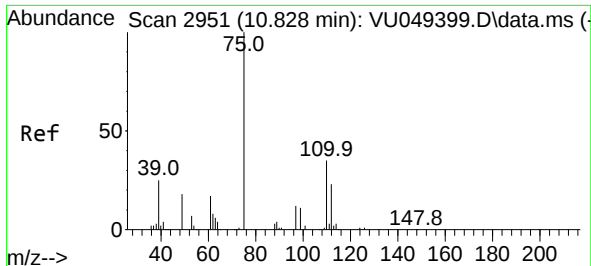
Tgt Ion:117 Resp: 470598
Ion Ratio Lower Upper
117 100
82 58.0 41.7 62.5
119 31.8 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

Tgt Ion:152 Resp: 218036
Ion Ratio Lower Upper
152 100
115 62.5 37.0 110.9
150 159.0 0.0 342.2

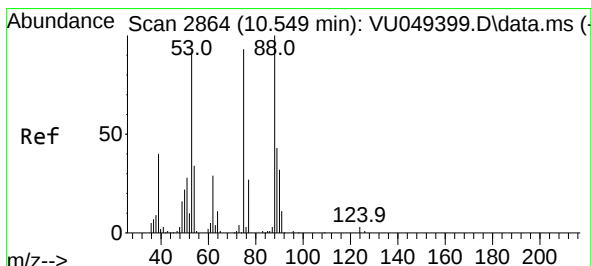
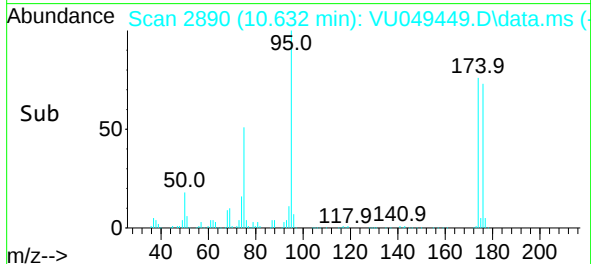
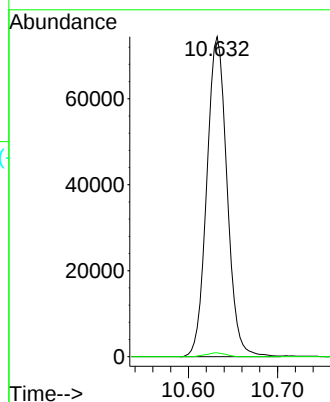
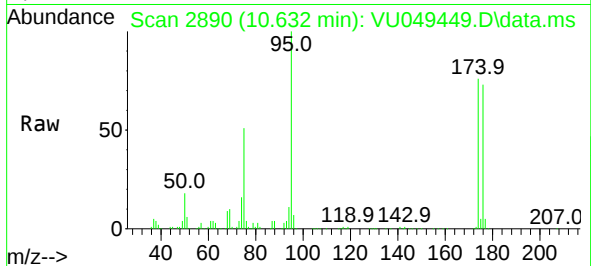




#76
1,2,3-Trichloropropane
Concen: 15.862 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

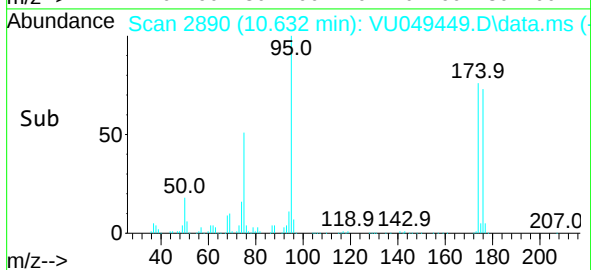
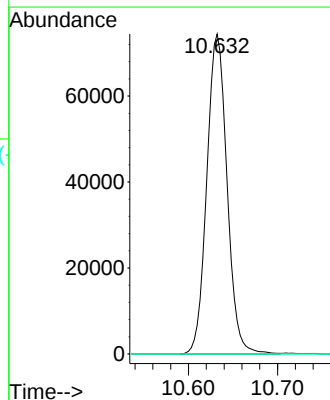
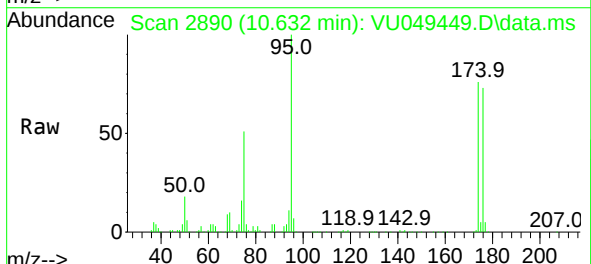
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

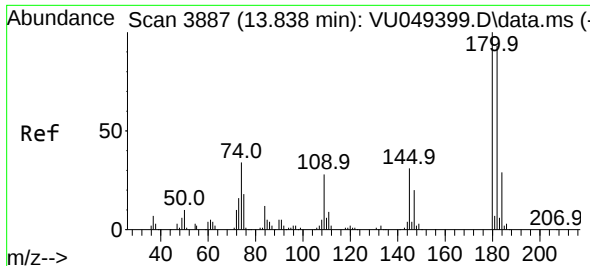
Tgt Ion: 75 Resp: 117240
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.577 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

Tgt Ion: 75 Resp: 117240
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

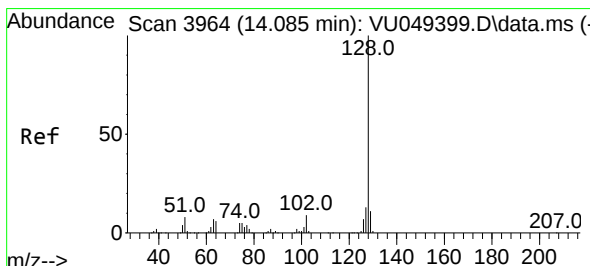
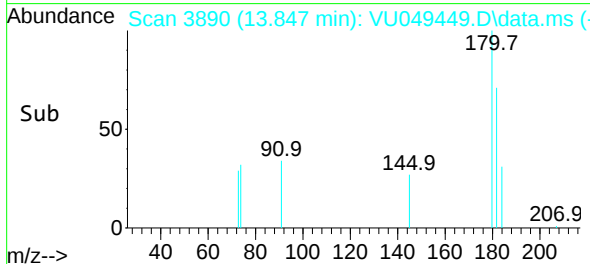
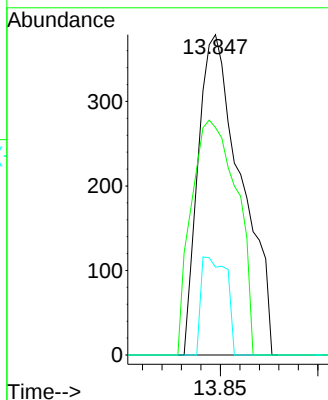
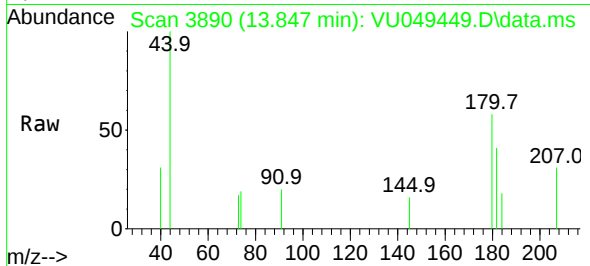




#93
1,2,4-Trichlorobenzene
Concen: 1.869 ug/l
RT: 13.847 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

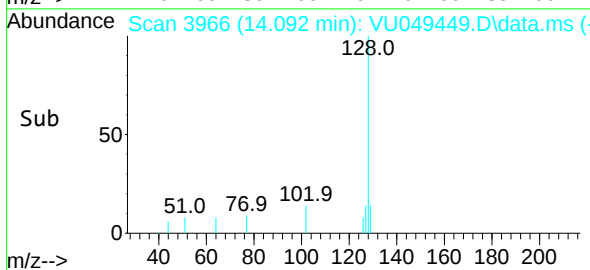
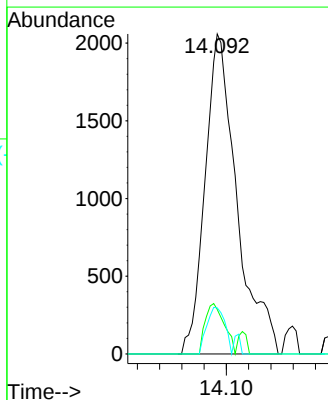
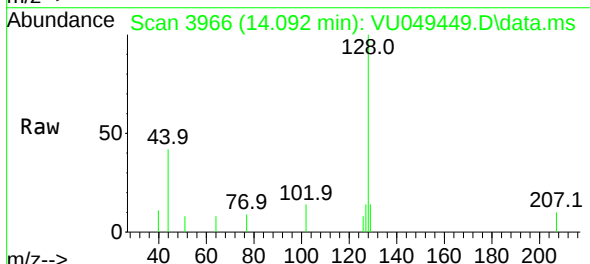
Instrument :
MSVOA_U
ClientSampleId :
VU0628WBL01

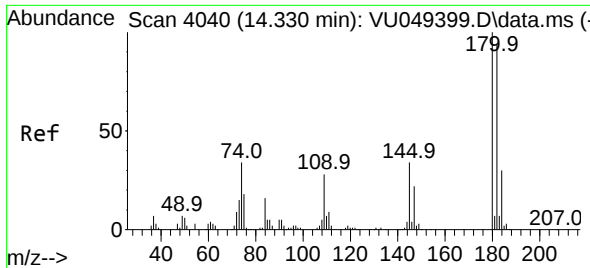
Tgt Ion	Ratio	Lower	Upper
180	100		
182	77.5	47.9	143.6
145	17.9	14.0	41.9



#95
Naphthalene
Concen: 1.966 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU049449.D
Acq: 28 Jun 2022 11:39

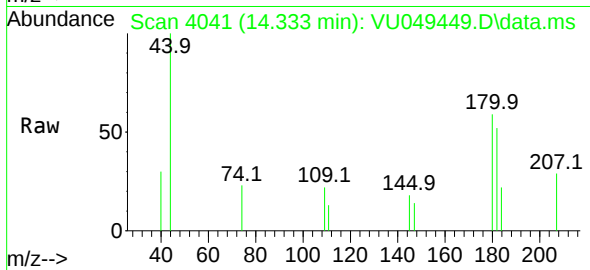
Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.3	15.5#
129	8.2	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.334 ug/l
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.003 min
 Lab File: VU049449.D
 Acq: 28 Jun 2022 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBL01



Tgt Ion	Ratio	Lower	Upper
180	100		
182	77.7	48.4	145.0
145	14.1	14.8	44.4#

