

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049523.D
 Acq On : 29 Jun 2022 19:06
 Operator : SY/MD
 Sample : N3457-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D2-20220620

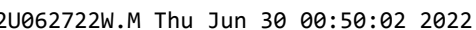
Quant Time: Jun 30 00:49:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

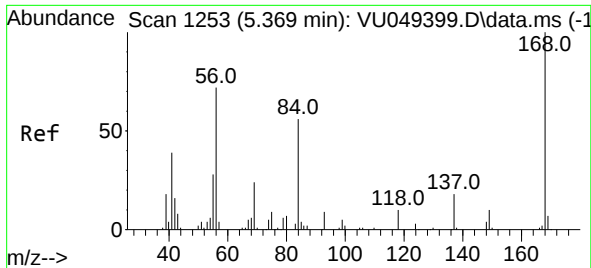
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	264303	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	468151	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	428522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	197021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	186521	45.823	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.640%
35) Dibromofluoromethane	5.288	113	148411	45.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.620%
50) Toluene-d8	7.896	98	563636	48.248	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.500%
62) 4-Bromofluorobenzene	10.632	95	203859	45.555	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.100%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	2078	Below Cal		99
5) Bromomethane	1.845	94	268	0.202 ug/l	#	4
6) Chloroethane	1.890	64	80	1.954 ug/l	#	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	4337	1.479 ug/l		98
11) Tert butyl alcohol	3.192	59	374	0.393 ug/l	#	37
12) 1,1-Dichloroethene	2.578	96	791	0.276 ug/l		95
16) Acetone	2.636	43	2540	1.237 ug/l		98
20) Methylene Chloride	3.044	84	183	Below Cal	#	43
24) 1,1-Dichloroethane	3.871	63	1748	0.275 ug/l	#	82
27) cis-1,2-Dichloroethene	4.668	96	1456	0.407 ug/l		87
30) Chloroform	5.092	83	1981	0.315 ug/l		88
31) Cyclohexane	5.369	56	6021	0.985 ug/l	#	13
36) 1,1-Dichloropropene	5.372	75	21260	4.477 ug/l	#	48
38) Carbon Tetrachloride	5.372	117	26988	5.419 ug/l	#	15
39) Methylcyclohexane	6.542	83	12894	2.265 ug/l	#	1
44) Trichloroethene	6.542	130	1024991	300.712 ug/l		87
45) 1,2-Dichloropropane	6.542	63	3513	0.884 ug/l	#	1
49) 1,4-Dioxane	6.986	88	161	1.410 ug/l	#	58
52) Toluene	7.970	92	2742	0.322 ug/l		83
60) Dibromochloromethane	8.552	129	1548	0.422 ug/l	#	11
64) Tetrachloroethene	8.555	164	1858	0.676 ug/l		91
76) 1,2,3-Trichloropropane	10.632	75	101975	15.268 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	101975	56.384 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.844	180	112	1.778 ug/l	#	57
95) Naphthalene	14.095	128	2500	1.892 ug/l	#	80

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
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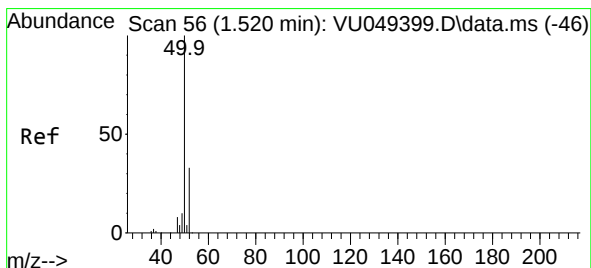
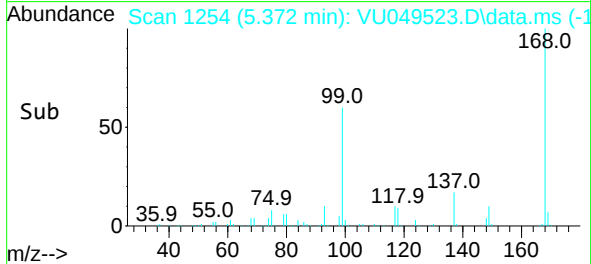
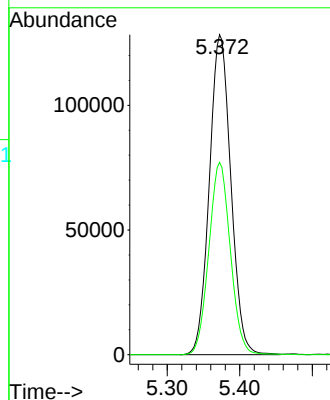
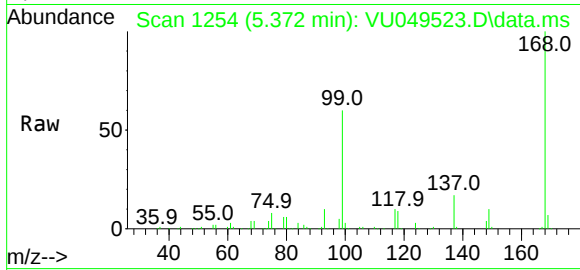




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

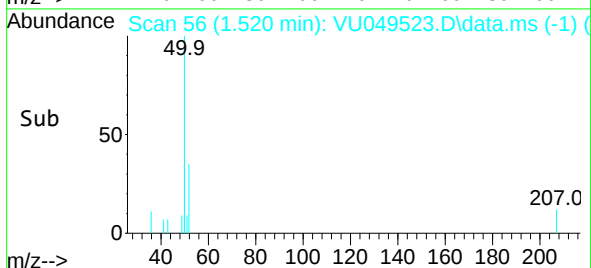
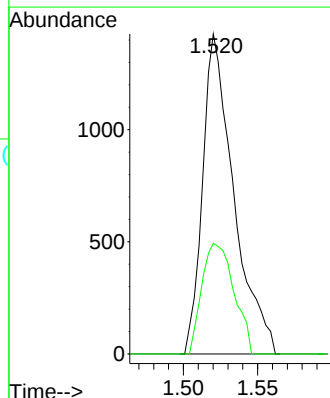
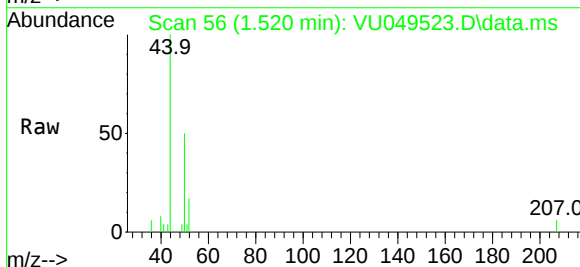
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

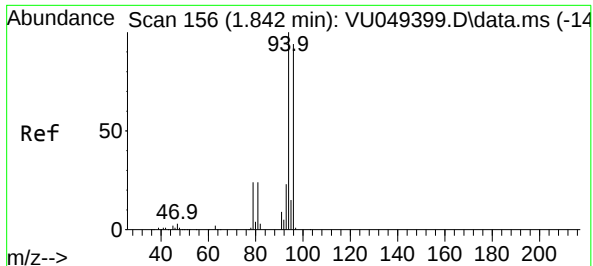
Tgt Ion:168 Resp: 264303
Ion Ratio Lower Upper
168 100
99 60.1 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 50 Resp: 2078
Ion Ratio Lower Upper
50 100
52 34.6 27.4 41.2

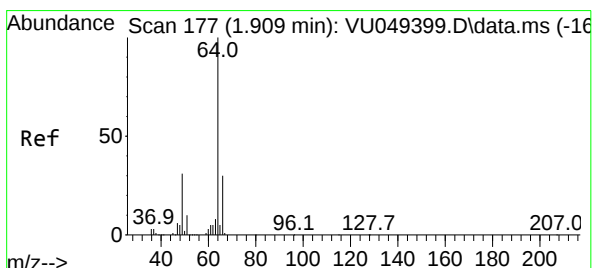
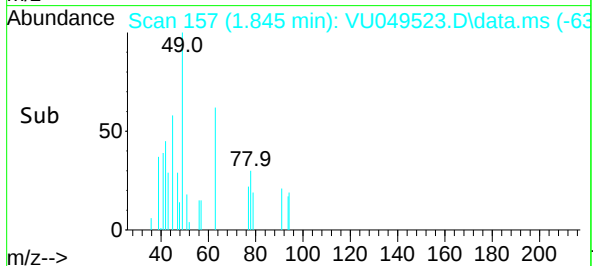
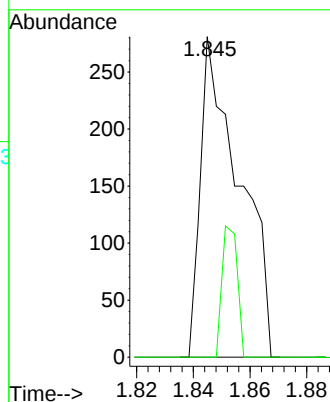
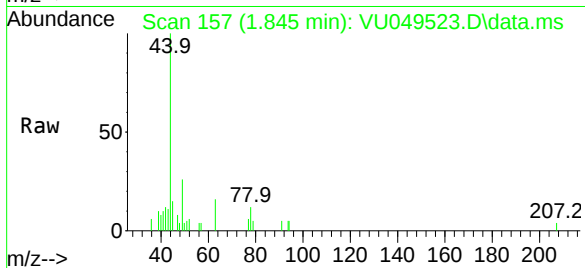




#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.845 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

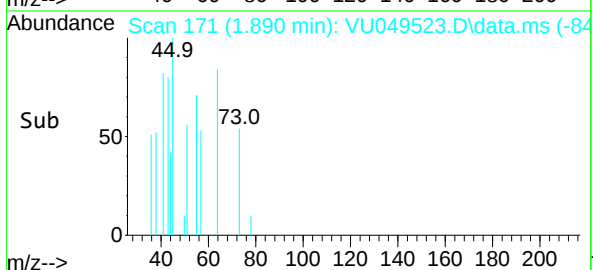
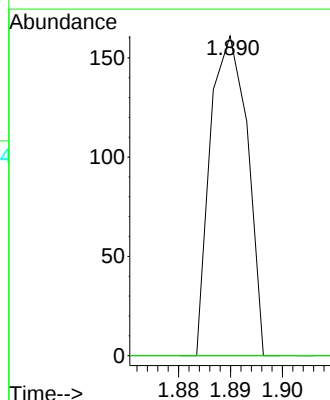
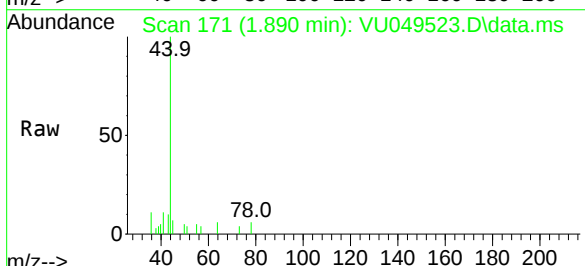
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

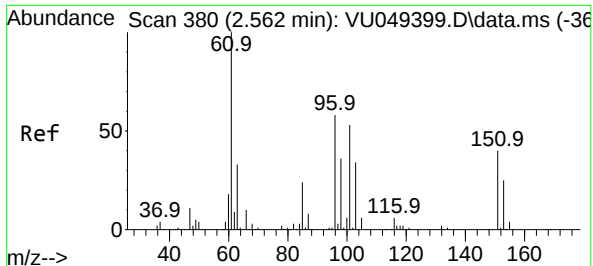
Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: 1.954 ug/l
RT: 1.890 min Scan# 171
Delta R.T. -0.019 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

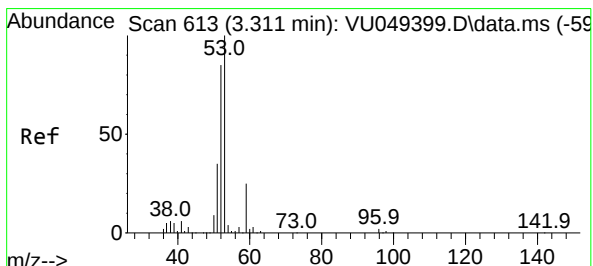
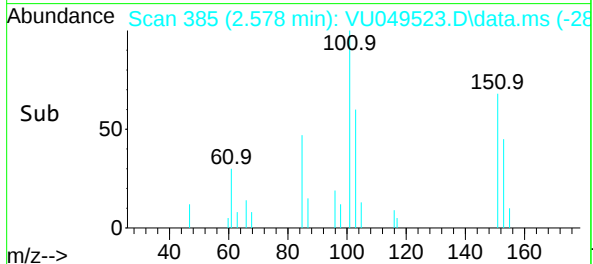
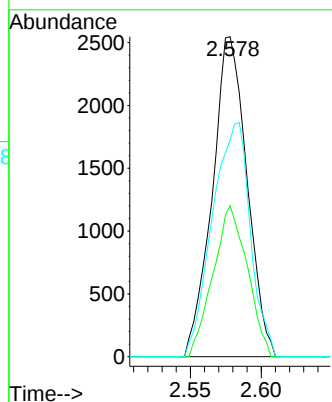
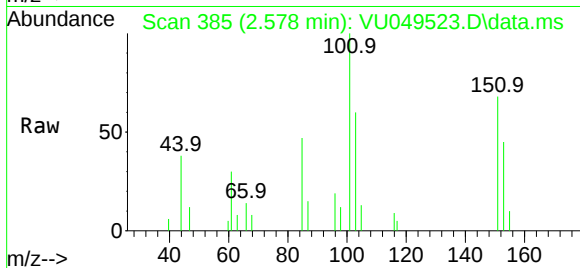




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.479 ug/l
RT: 2.578 min Scan# 31
Delta R.T. 0.016 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

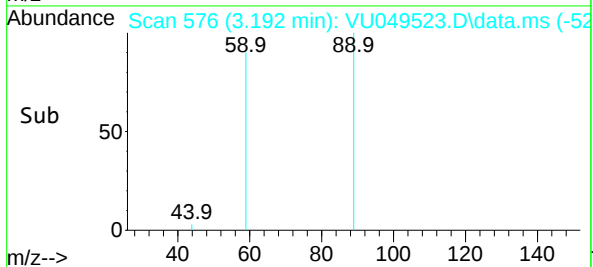
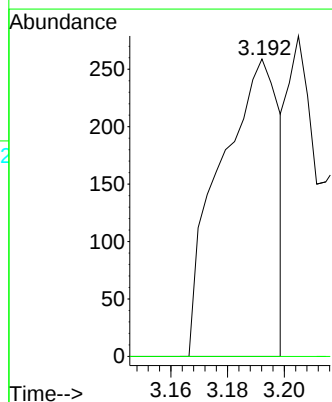
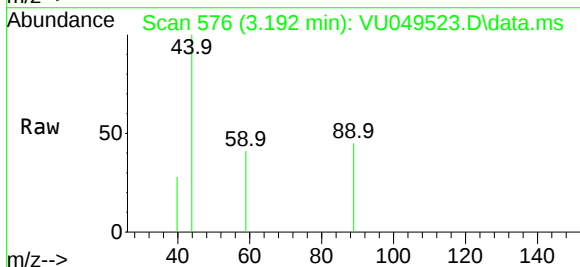
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

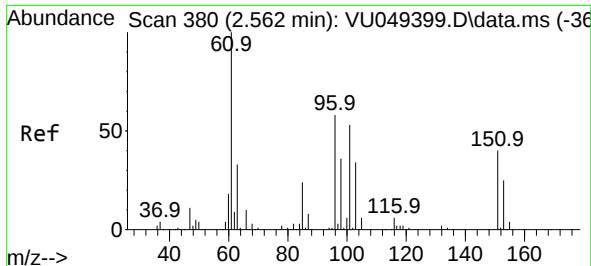
Tgt Ion:101 Resp: 4337
Ion Ratio Lower Upper
101 100
85 46.6 33.9 50.9
151 80.0 64.0 96.0



#11
Tert butyl alcohol
Concen: 0.393 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.119 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 59 Resp: 374
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

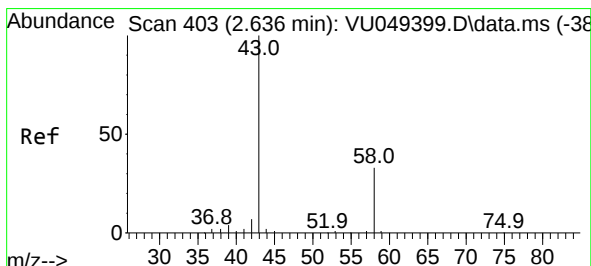
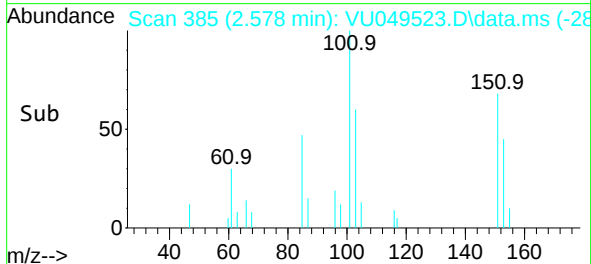
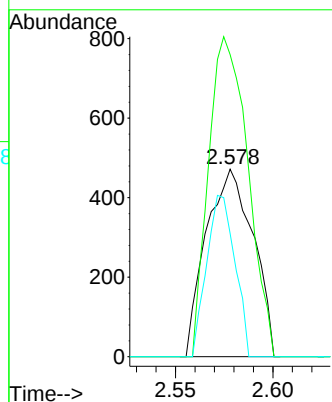
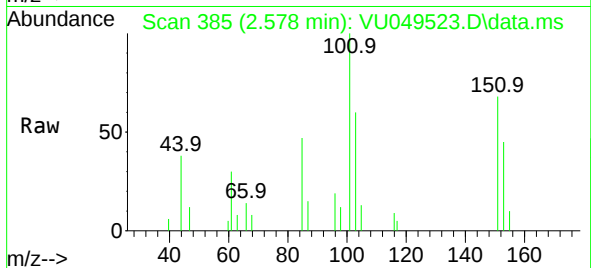




#12
1,1-Dichloroethene
Concen: 0.276 ug/l
RT: 2.578 min Scan# 380
Delta R.T. 0.016 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

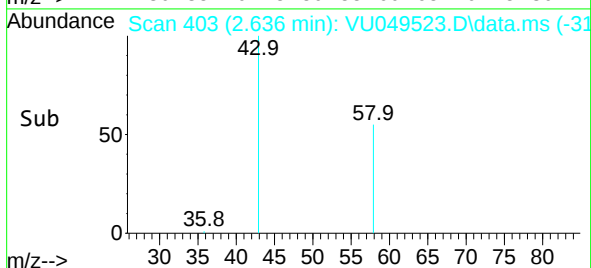
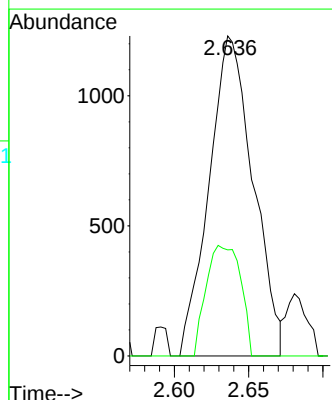
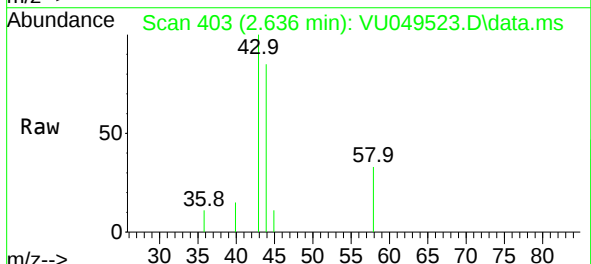
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

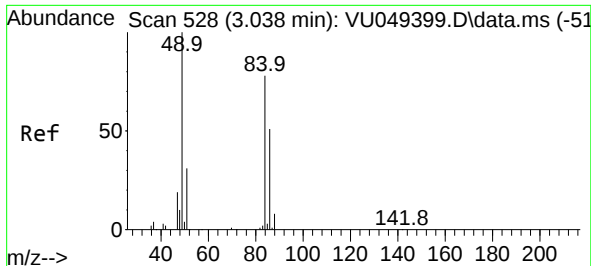
Tgt Ion: 96 Resp: 791
Ion Ratio Lower Upper
96 100
61 161.0 122.2 183.2
98 65.7 50.7 76.1



#16
Acetone
Concen: 1.237 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.000 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 43 Resp: 2540
Ion Ratio Lower Upper
43 100
58 33.2 27.5 41.3

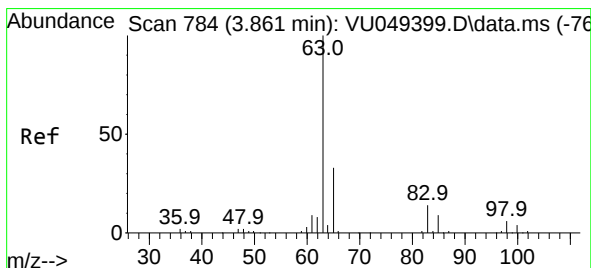
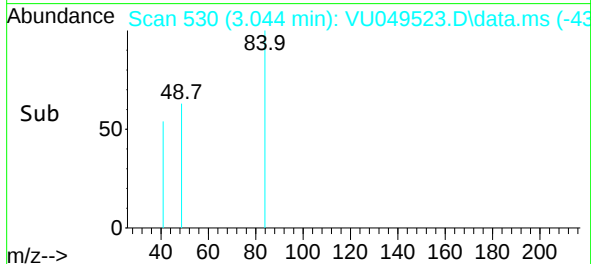
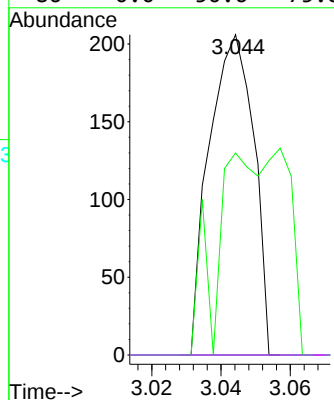
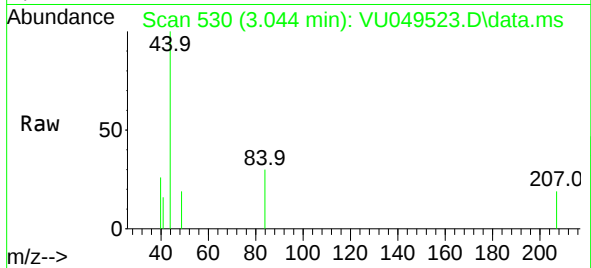




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

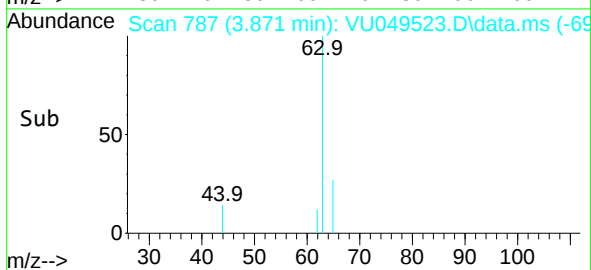
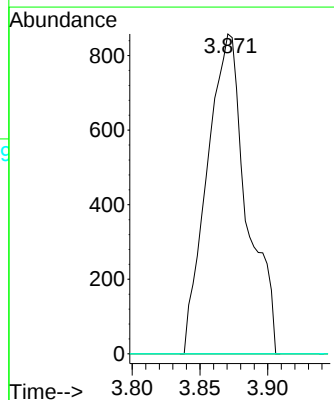
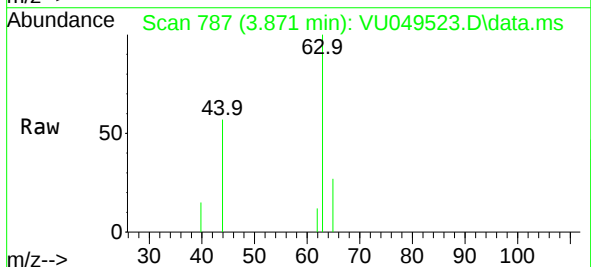
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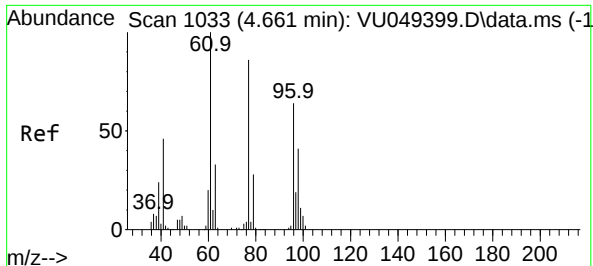
Tgt Ion:	84	Resp:	183
Ion	Ratio	Lower	Upper
84	100		
49	63.1	86.6	129.8#
51	0.0	26.6	40.0#
86	0.0	50.6	75.8#



#24
1,1-Dichloroethane
Concen: 0.275 ug/l
RT: 3.871 min Scan# 787
Delta R.T. 0.010 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion:	63	Resp:	1748
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.6	10.9#
100	0.0	2.4	7.2#

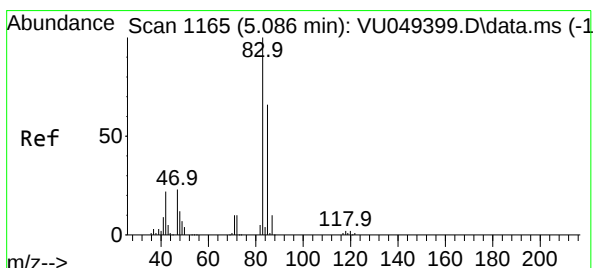
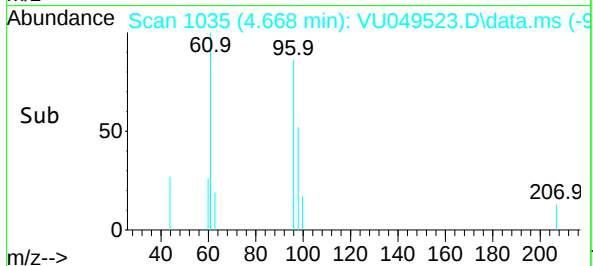
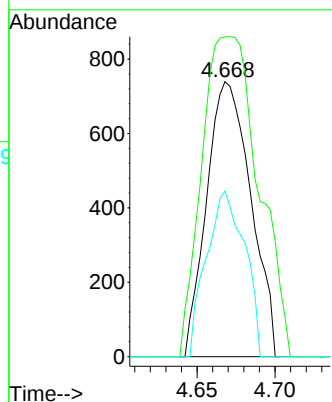
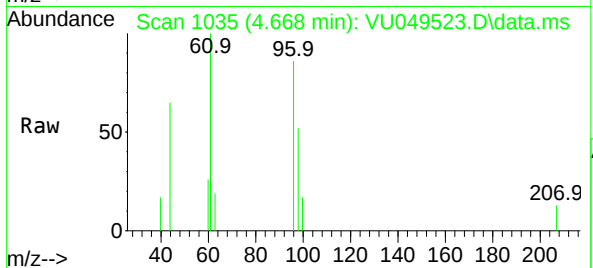




#27
 cis-1,2-Dichloroethene
 Concen: 0.407 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.007 min
 Lab File: VU049523.D
 Acq: 29 Jun 2022 19:06

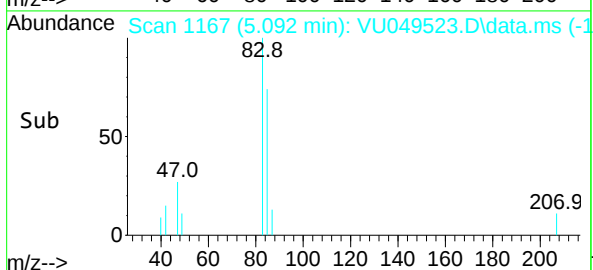
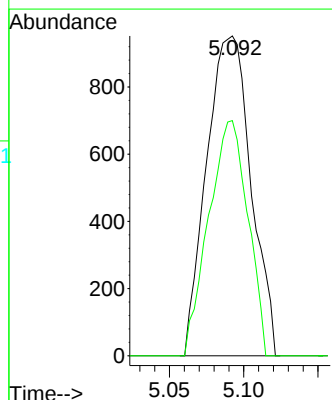
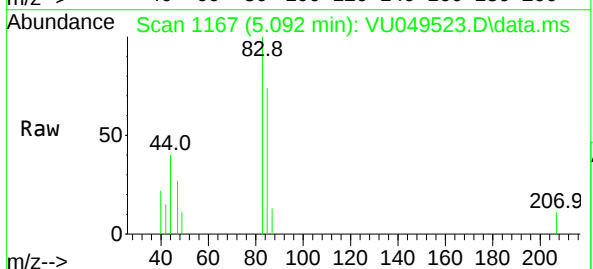
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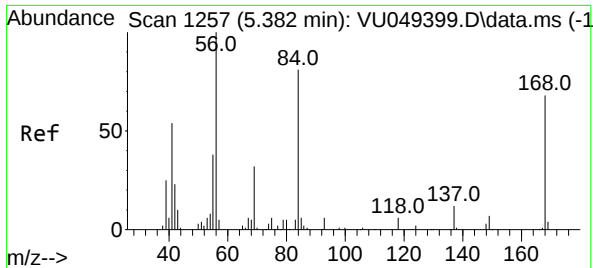
Tgt Ion:	96	Resp:	1456
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	271.6
98	52.2	0.0	128.2



#30
 Chloroform
 Concen: 0.315 ug/l
 RT: 5.092 min Scan# 1167
 Delta R.T. 0.007 min
 Lab File: VU049523.D
 Acq: 29 Jun 2022 19:06

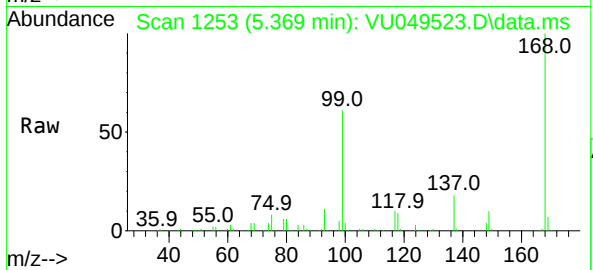
Tgt Ion:	83	Resp:	1981
Ion	Ratio	Lower	Upper
83	100		
85	73.5	51.2	76.8



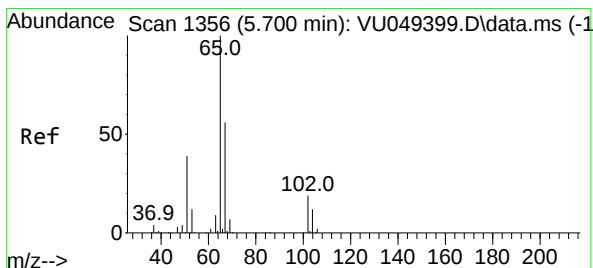
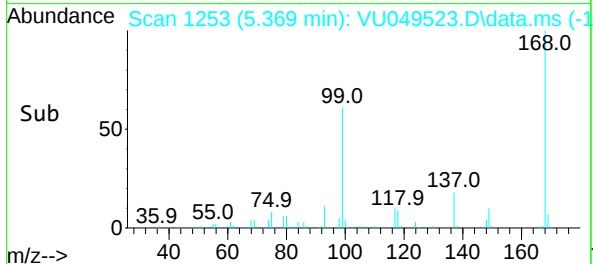
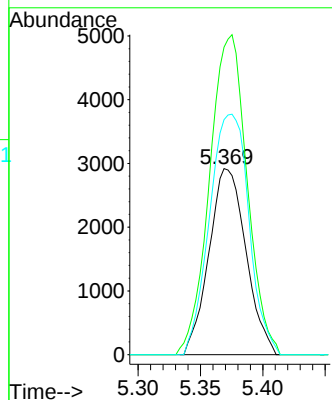


#31
Cyclohexane
Concen: 0.985 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

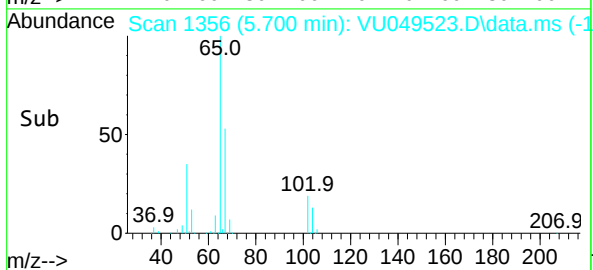
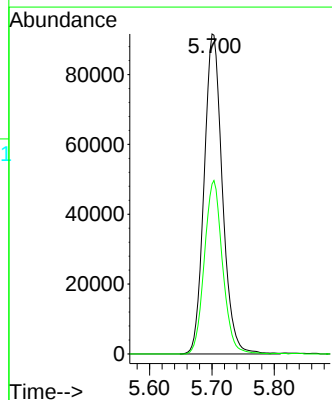
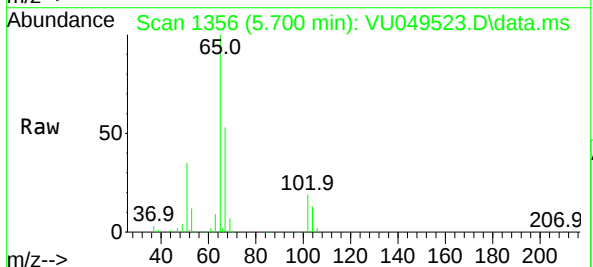


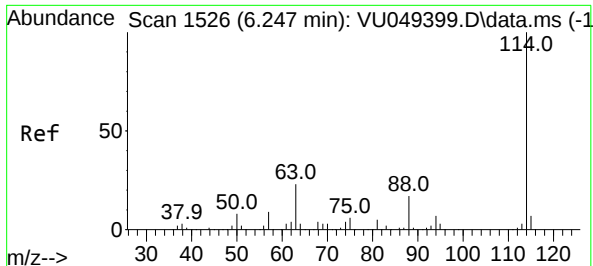
Tgt Ion: 56 Resp: 6021
Ion Ratio Lower Upper
56 100
69 165.2 27.8 41.8#
84 126.3 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 45.823 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 65 Resp: 186521
Ion Ratio Lower Upper
65 100
67 53.9 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: VU049523.D

Acq: 29 Jun 2022 19:06

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20220620

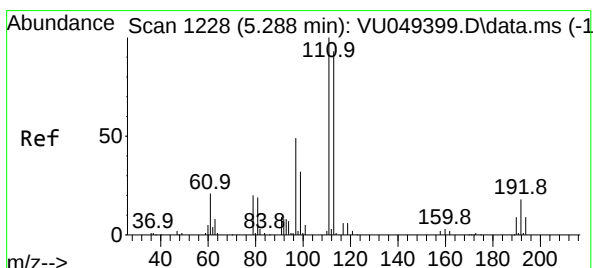
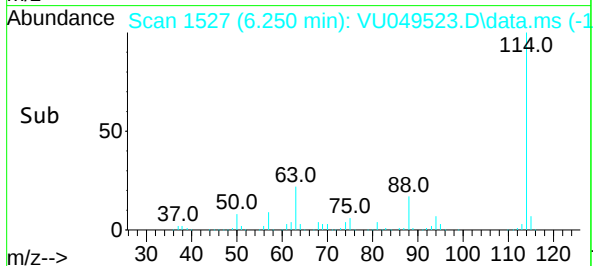
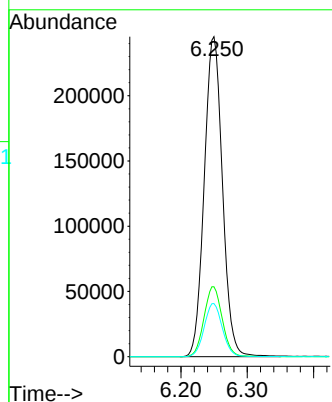
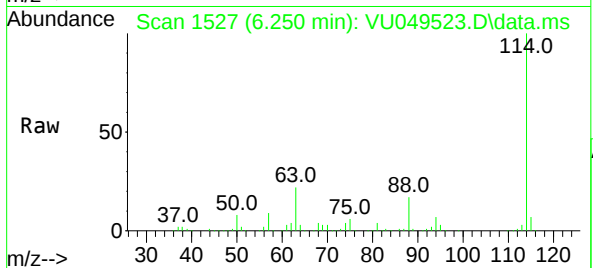
Tgt Ion:114 Resp: 468151

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.6 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.312 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049523.D

Acq: 29 Jun 2022 19:06

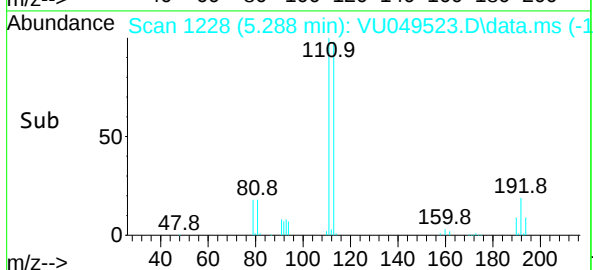
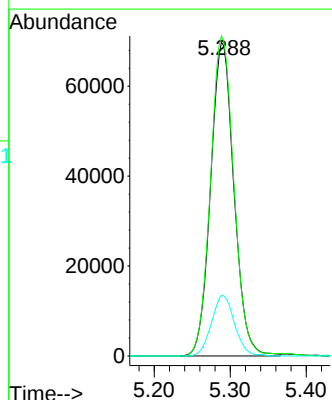
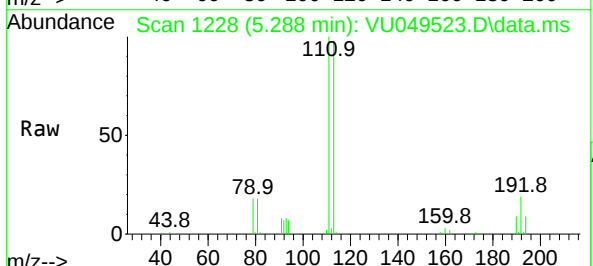
Tgt Ion:113 Resp: 148411

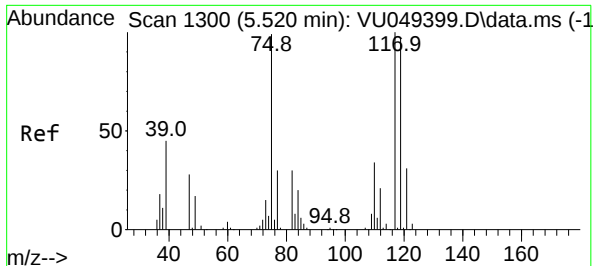
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 19.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049523.D

Acq: 29 Jun 2022 19:06

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20220620

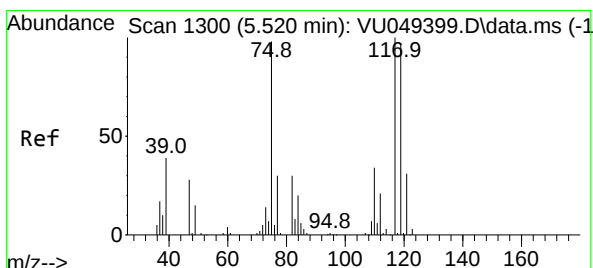
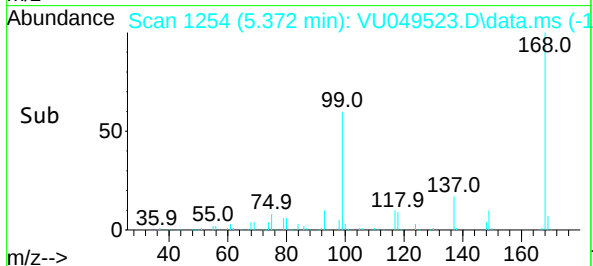
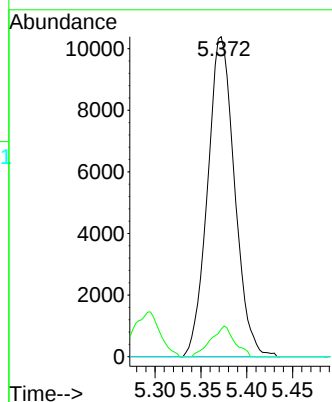
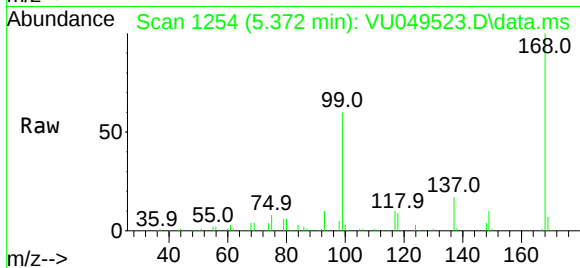
Tgt Ion: 75 Resp: 21260

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.419 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049523.D

Acq: 29 Jun 2022 19:06

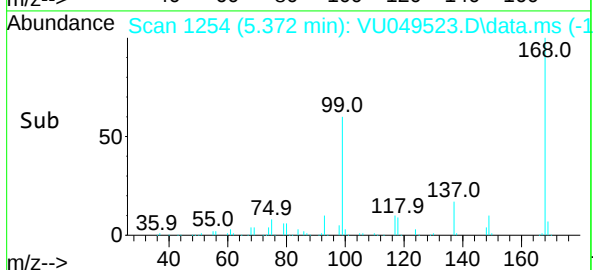
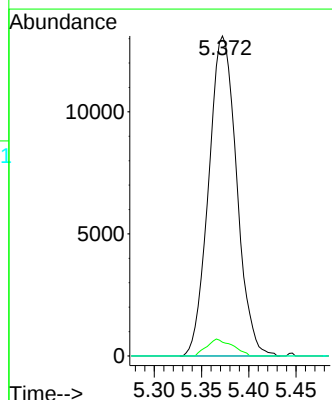
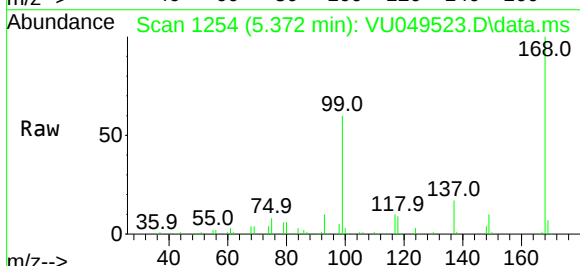
Tgt Ion: 117 Resp: 26988

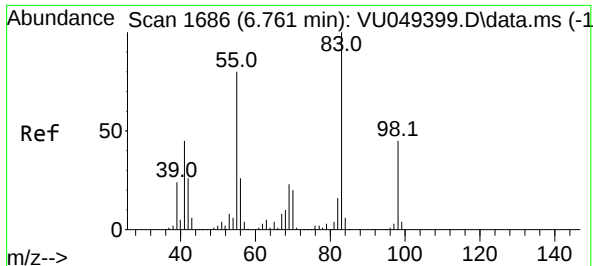
Ion Ratio Lower Upper

117 100

119 4.3 76.8 115.2#

121 0.0 24.7 37.1#





#39

Methylcyclohexane

Concen: 2.265 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.219 min

Lab File: VU049523.D

Acq: 29 Jun 2022 19:06

Instrument :

MSVOA_U

ClientSampleId :

RE103D2-20220620

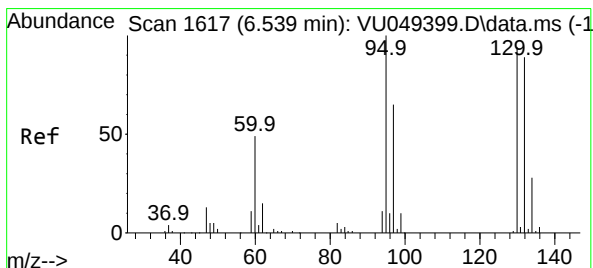
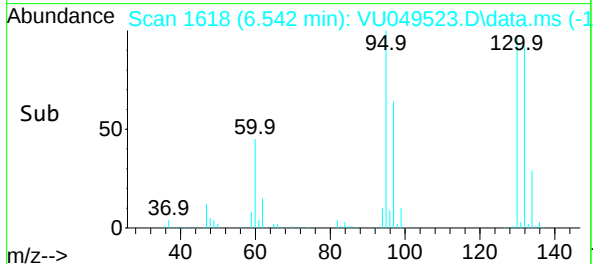
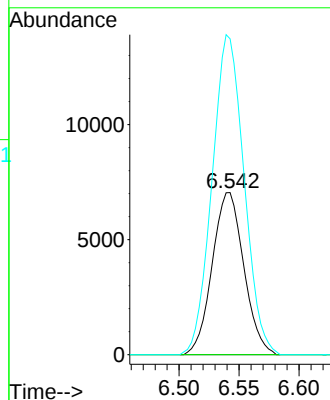
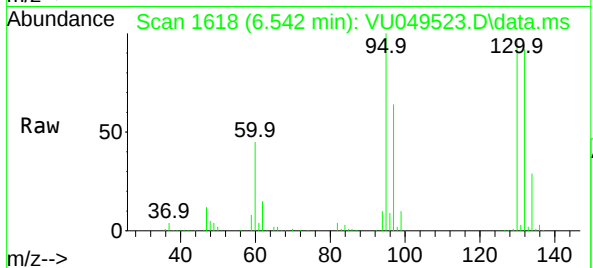
Tgt Ion: 83 Resp: 12894

Ion Ratio Lower Upper

83 100

55 0.0 55.3 82.9#

98 194.9 37.3 55.9#



#44

Trichloroethene

Concen: 300.712 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049523.D

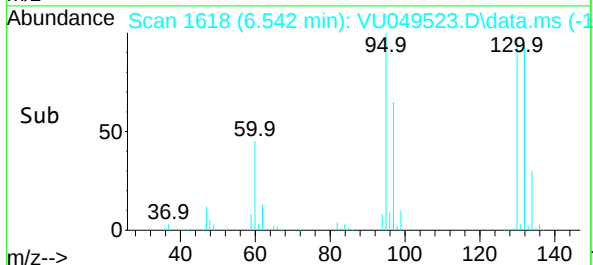
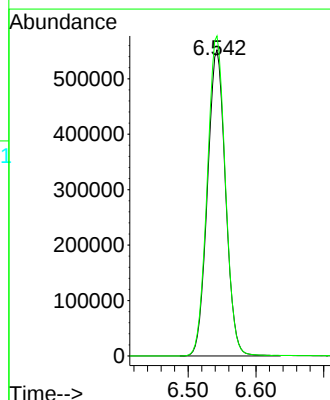
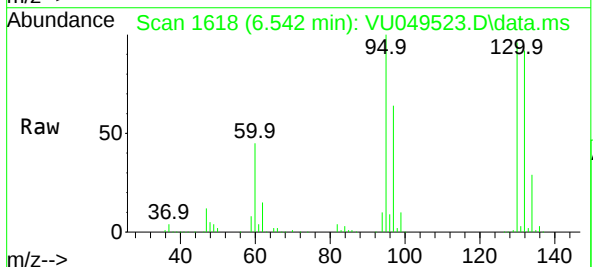
Acq: 29 Jun 2022 19:06

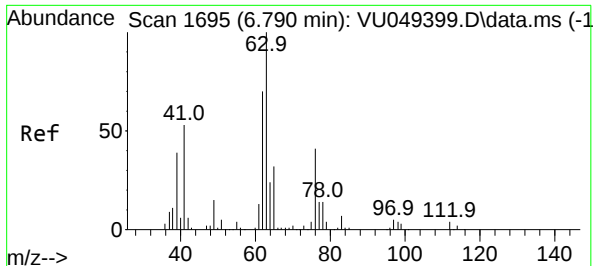
Tgt Ion:130 Resp: 1024991

Ion Ratio Lower Upper

130 100

95 104.5 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.884 ug/l

RT: 6.542 min Scan# 1

Delta R.T. -0.247 min

Lab File: VU049523.D

Acq: 29 Jun 2022 19:06

Instrument :

MSVOA_U

ClientSampleId :

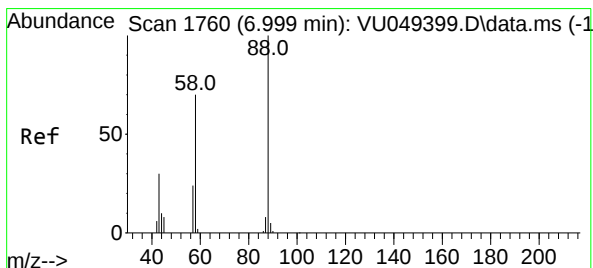
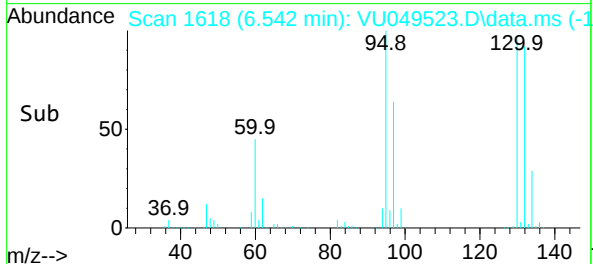
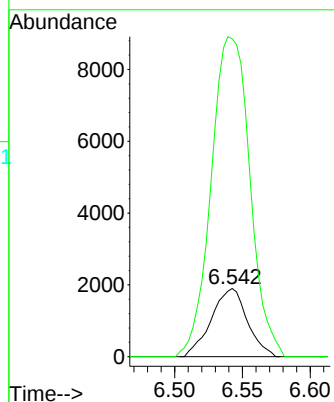
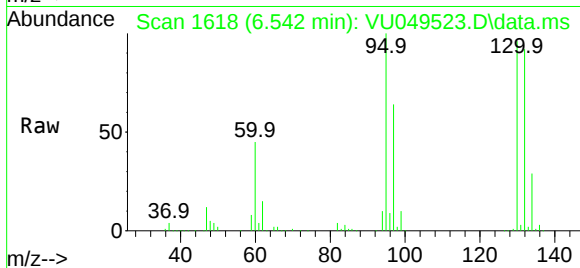
RE103D2-20220620

Tgt Ion: 63 Resp: 3513

Ion Ratio Lower Upper

63 100

65 459.1 25.0 37.4#



#49

1,4-Dioxane

Concen: 1.410 ug/l

RT: 6.986 min Scan# 1756

Delta R.T. -0.013 min

Lab File: VU049523.D

Acq: 29 Jun 2022 19:06

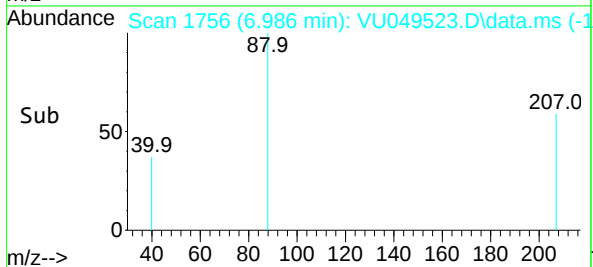
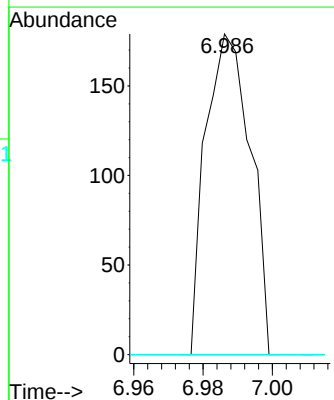
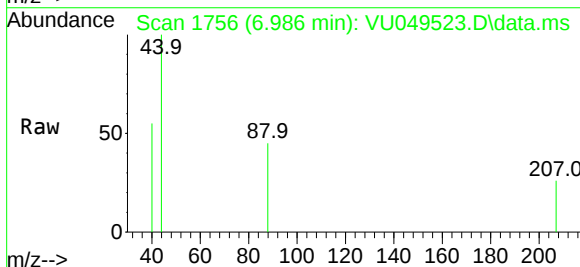
Tgt Ion: 88 Resp: 161

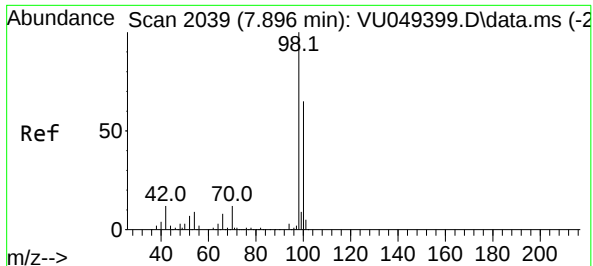
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 15.4 23.0#

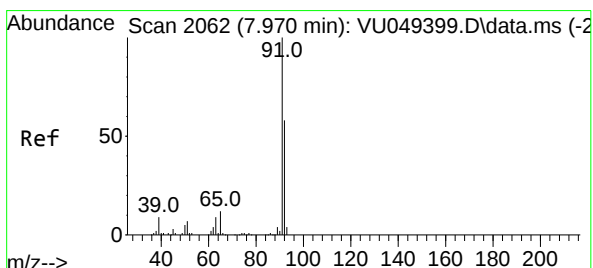
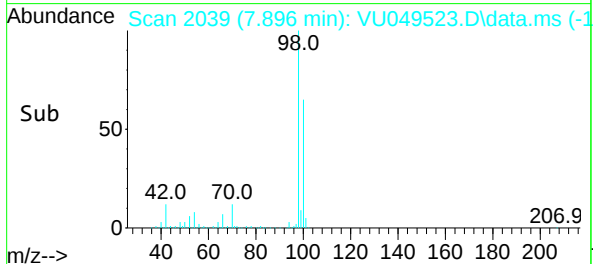
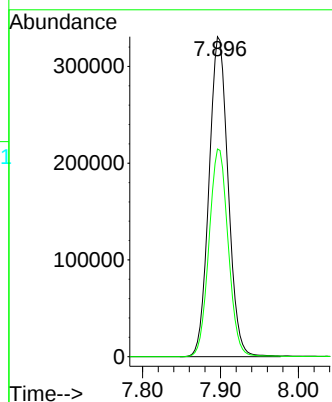
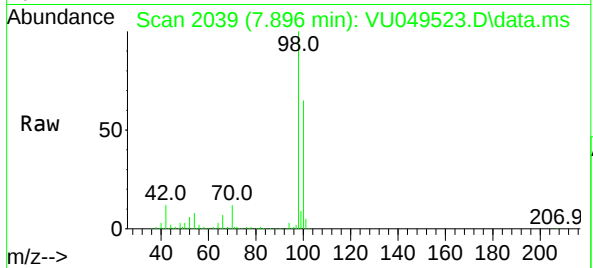




#50
Toluene-d8
Concen: 48.248 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

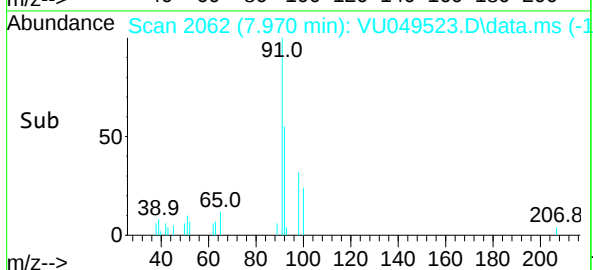
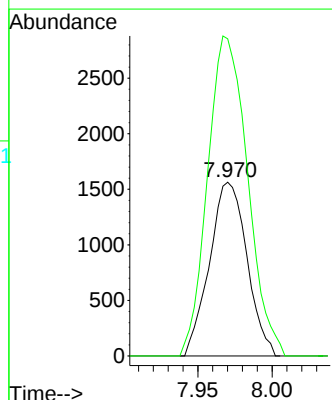
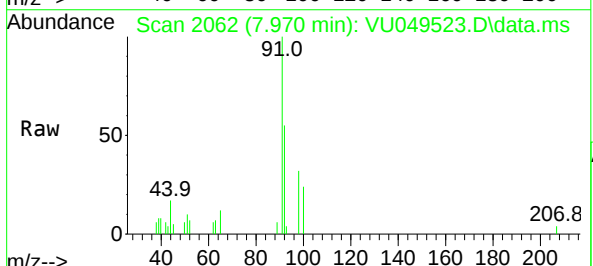
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

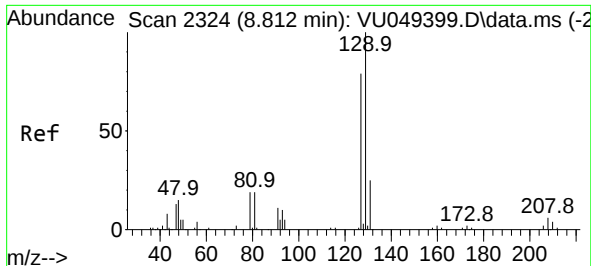
Tgt Ion: 98 Resp: 563636
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



#52
Toluene
Concen: 0.322 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 92 Resp: 2742
Ion Ratio Lower Upper
92 100
91 196.1 138.2 207.4

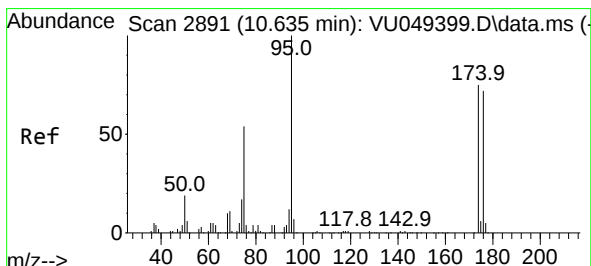
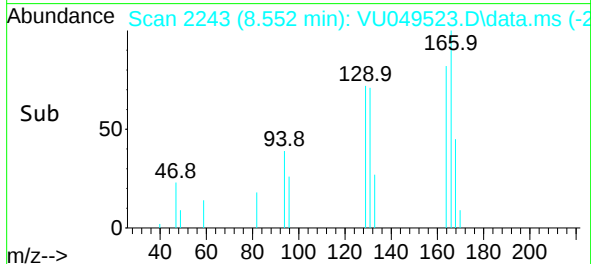
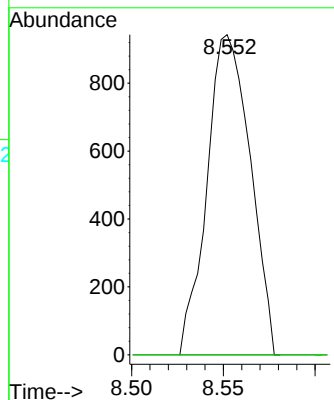
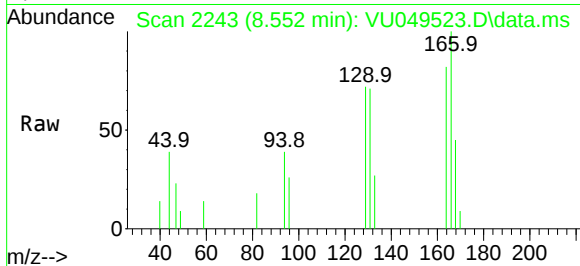




#60
Dibromochloromethane
Concen: 0.422 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.260 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

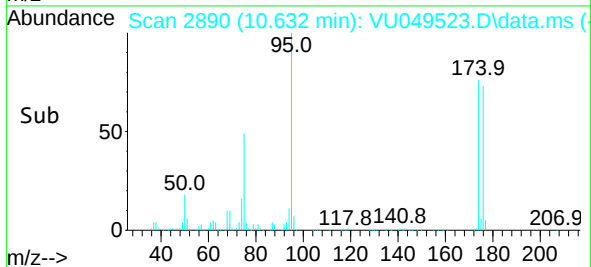
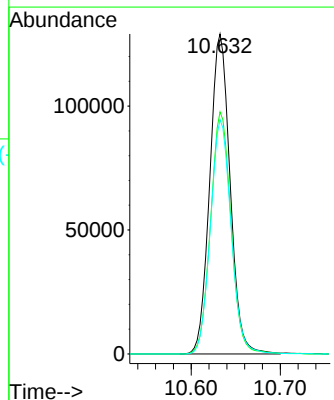
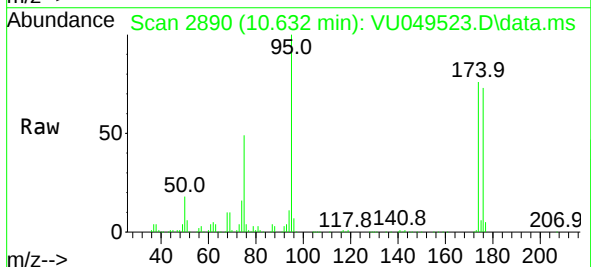
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

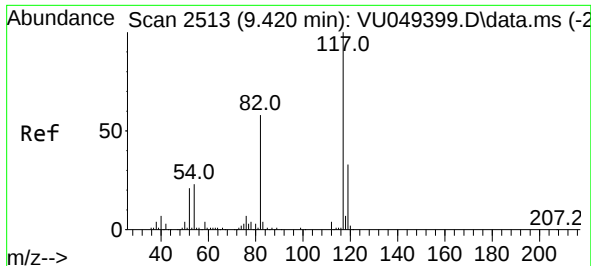
Tgt Ion:129 Resp: 1548
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 45.555 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 95 Resp: 203859
Ion Ratio Lower Upper
95 100
174 76.4 0.0 182.0
176 74.5 0.0 177.8

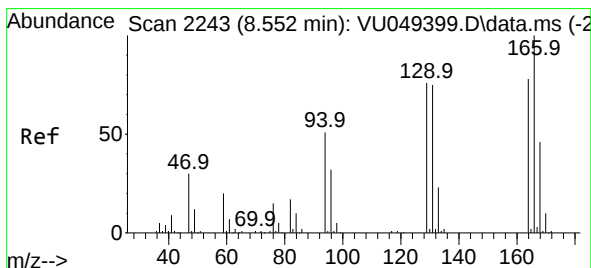
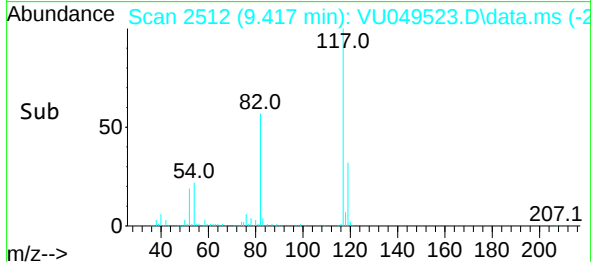
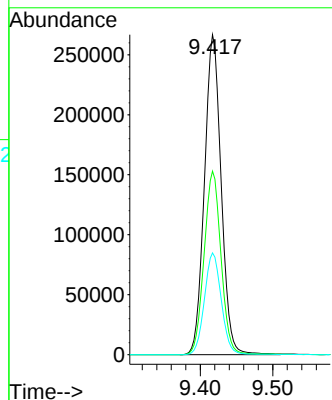
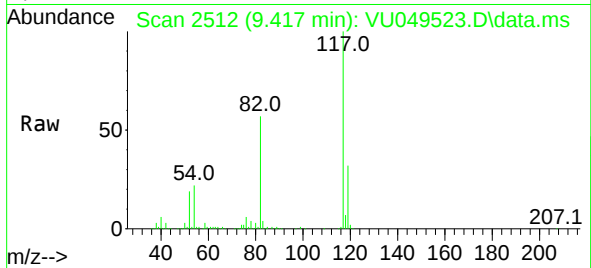




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

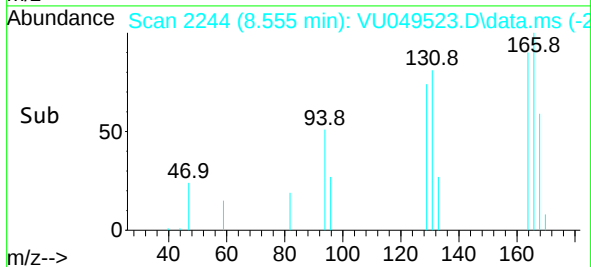
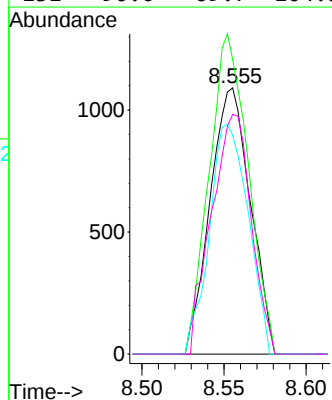
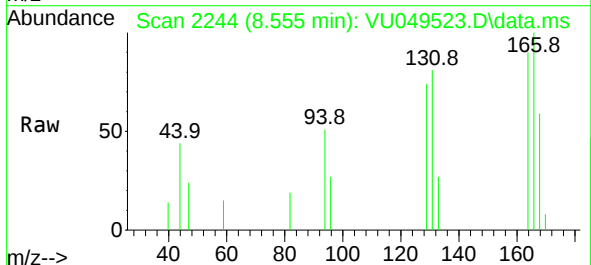
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

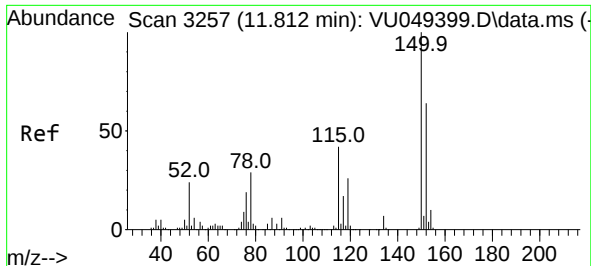
Tgt Ion:117	Resp:	428522
Ion	Ratio	Lower Upper
117	100	
82	57.4	41.7 62.5
119	31.8	25.7 38.5



#64
Tetrachloroethene
Concen: 0.676 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion:164	Resp:	1858
Ion	Ratio	Lower Upper
164	100	
166	110.6	100.0 150.0
129	82.2	72.0 108.0
131	90.0	69.7 104.5

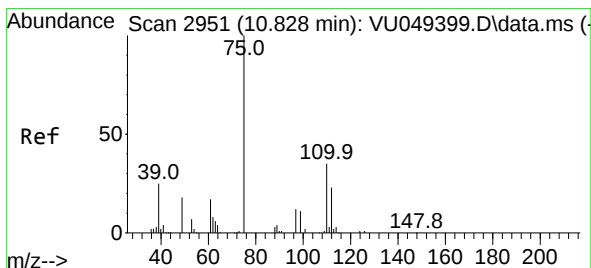
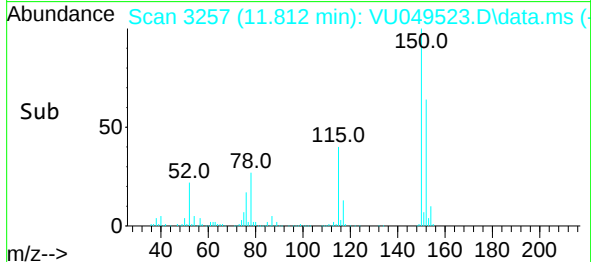
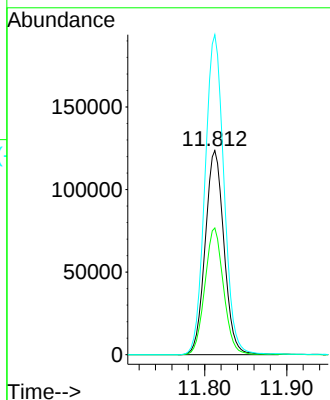
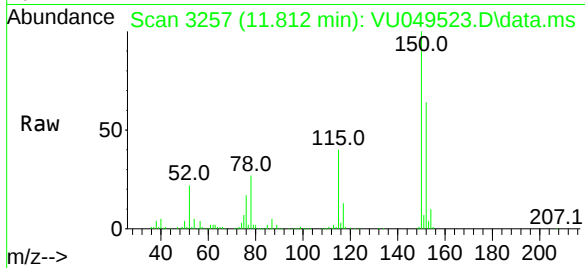




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

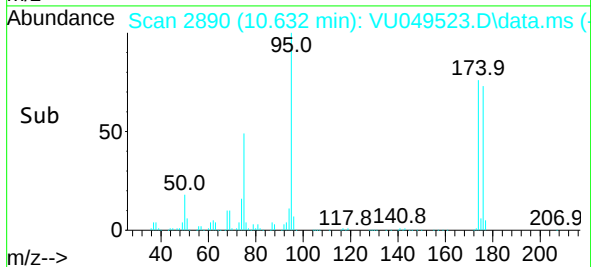
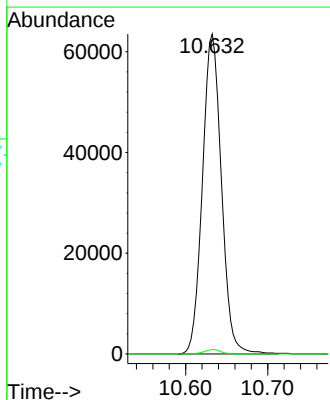
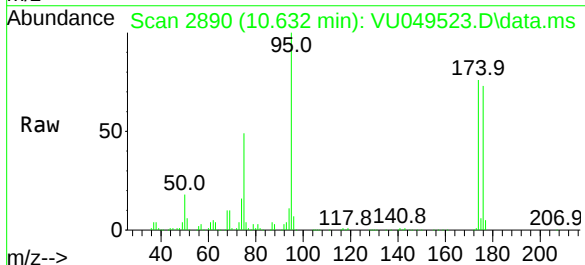
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

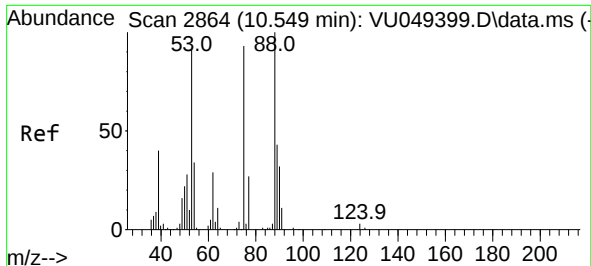
Tgt Ion:152 Resp: 197021
Ion Ratio Lower Upper
152 100
115 61.6 37.0 110.9
150 158.1 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.268 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Tgt Ion: 75 Resp: 101975
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#

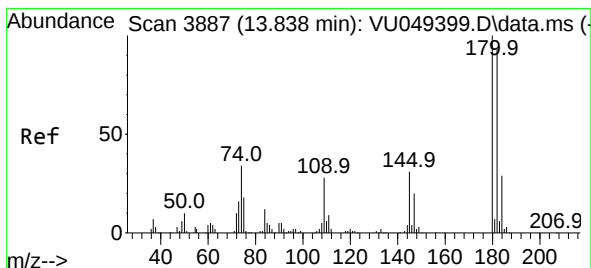
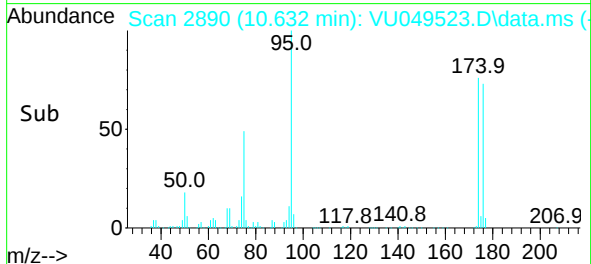
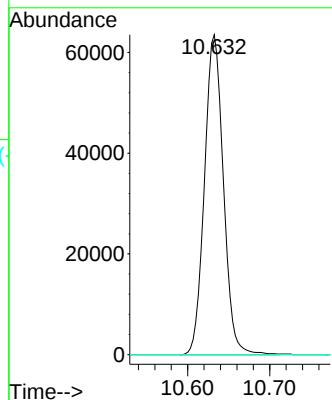
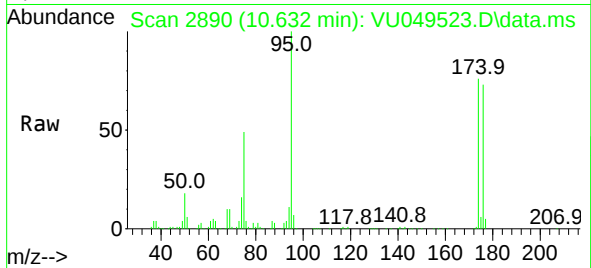




#81
trans-1,4-Dichloro-2-butene
Concen: 56.384 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

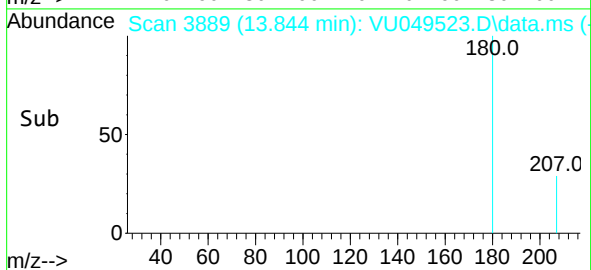
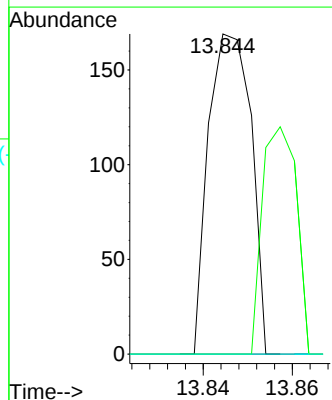
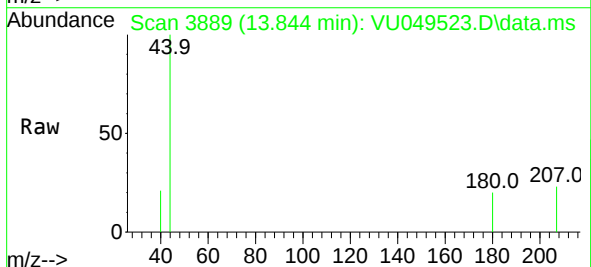
Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620

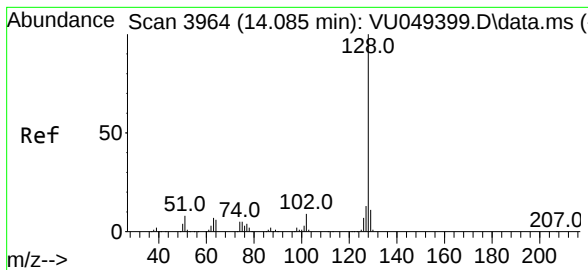
Tgt Ion: 75 Resp: 101975
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.778 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.007 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

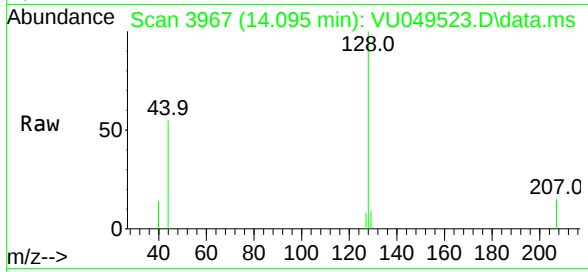
Tgt Ion: 180 Resp: 112
Ion Ratio Lower Upper
180 100
182 57.1 47.9 143.6
145 0.0 14.0 41.9#





#95
Naphthalene
Concen: 1.892 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VU049523.D
Acq: 29 Jun 2022 19:06

Instrument :
MSVOA_U
ClientSampleId :
RE103D2-20220620



Tgt Ion:	128	Resp:	2500
Ion	Ratio	Lower	Upper
128	100		
127	4.2	10.3	15.5#
129	3.7	8.6	13.0#

