

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049559.D
 Acq On : 30 Jun 2022 13:34
 Operator : SY/MD
 Sample : N3458-06DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE114D1-20220622DL

Quant Time: Jul 01 05:24:55 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)

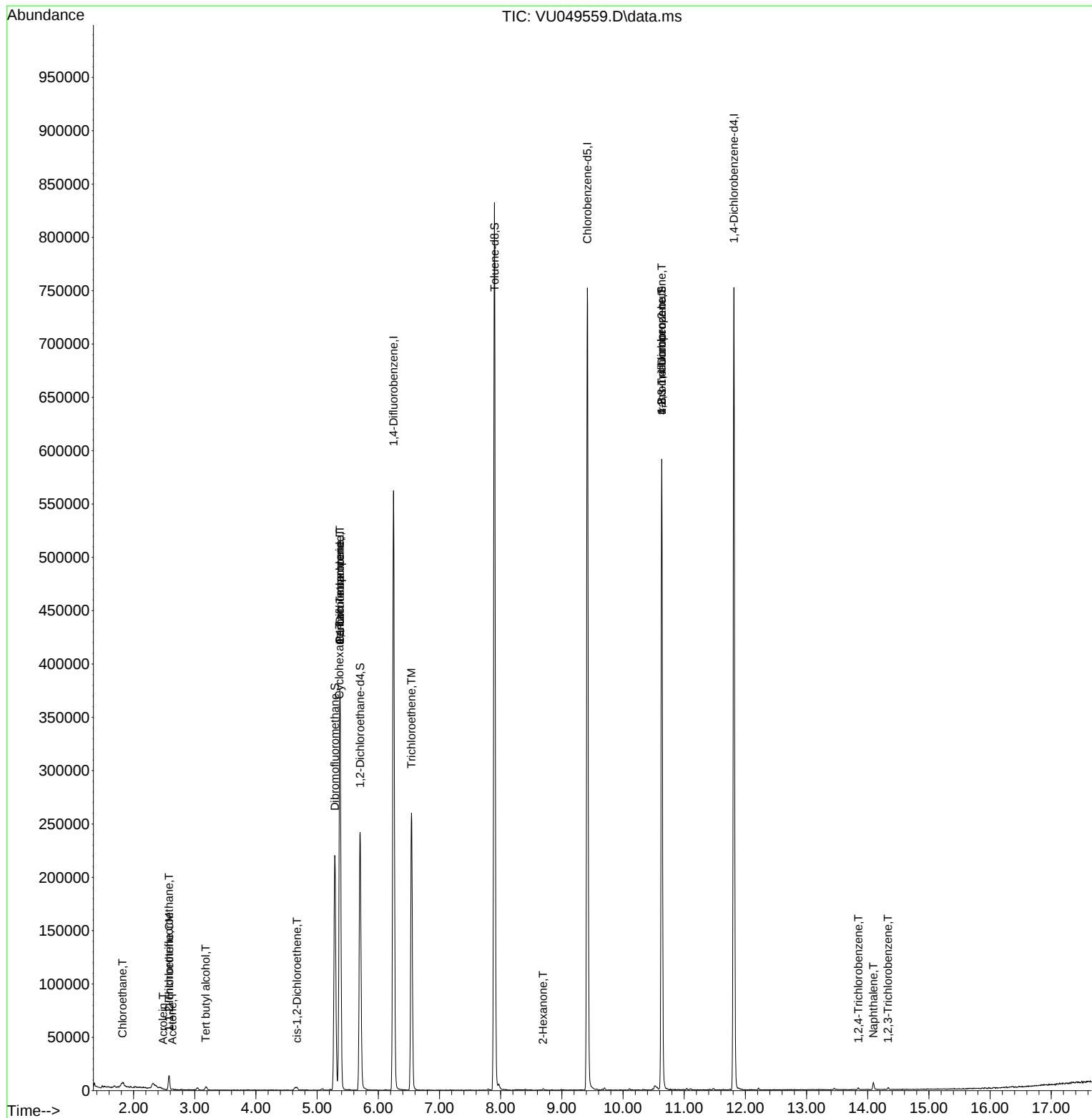
Internal Standards						
1) Pentafluorobenzene	5.372	168	257588	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	460958	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	420155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	192833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	183404	46.232	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.460%
35) Dibromofluoromethane	5.289	113	143401	44.466	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.940%
50) Toluene-d8	7.899	98	550202	47.833	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.660%
62) 4-Bromofluorobenzene	10.632	95	201340	45.694	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1172	Below Cal	#	80
6) Chloroethane	1.819	64	21	1.926	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	4644	1.625	ug/l	96
11) Tert butyl alcohol	3.179	59	2321	2.500	ug/l #	37
12) 1,1-Dichloroethene	2.581	96	772	0.276	ug/l #	90
13) Acrolein	2.482	56	134	0.213	ug/l #	72
16) Acetone	2.633	43	1123	0.561	ug/l #	84
20) Methylene Chloride	3.041	84	1096	Below Cal	#	93
27) cis-1,2-Dichloroethene	4.671	96	1136	0.326	ug/l	92
31) Cyclohexane	5.366	56	5184	0.870	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21317	4.559	ug/l #	49
38) Carbon Tetrachloride	5.372	117	26524	5.409	ug/l #	15
44) Trichloroethene	6.543	130	87217	25.987	ug/l	85
59) 2-Hexanone	8.694	43	1116	0.226	ug/l	83
76) 1,2,3-Trichloropropane	10.632	75	102249	15.642	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	102249	57.764	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.844	180	808	1.934	ug/l #	73
95) Naphthalene	14.092	128	6213	2.133	ug/l	98
96) 1,2,3-Trichlorobenzene	14.330	180	658	1.322	ug/l	91

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

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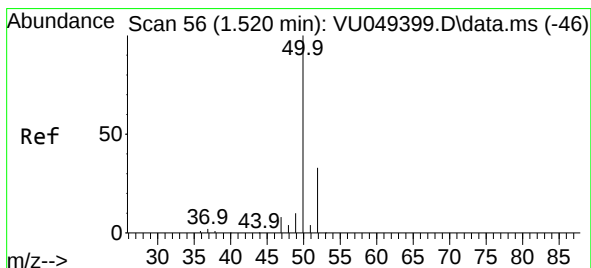
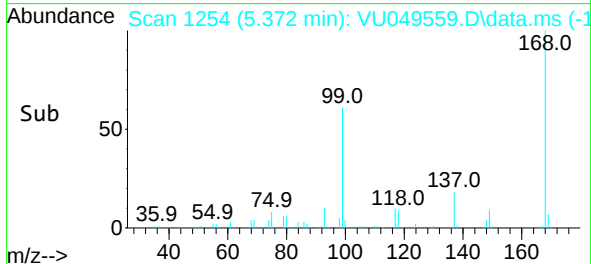
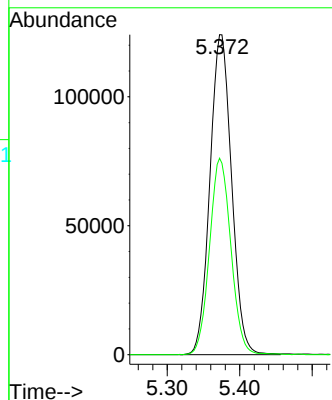
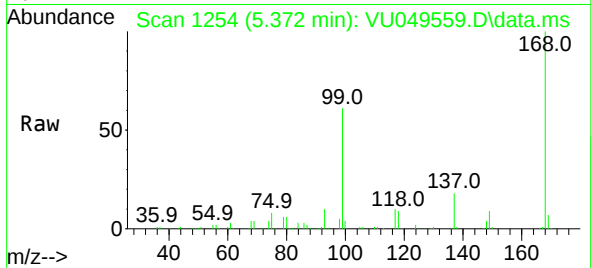




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

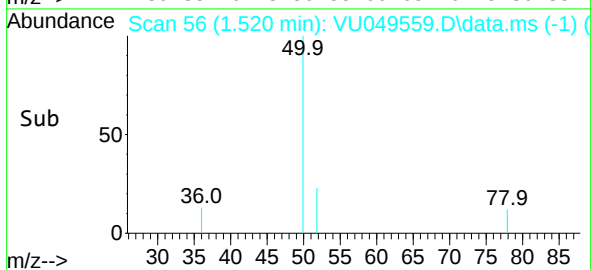
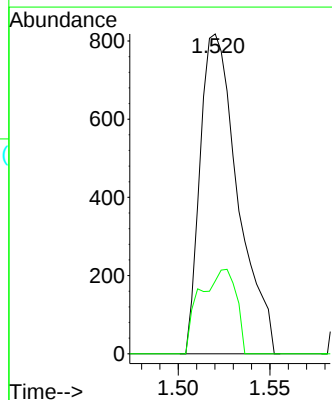
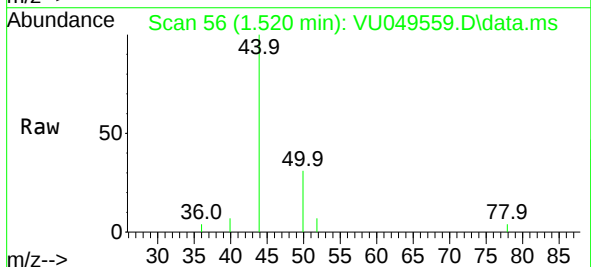
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL

Tgt Ion:168 Resp: 257588
Ion Ratio Lower Upper
168 100
99 61.3 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion: 50 Resp: 1172
Ion Ratio Lower Upper
50 100
52 22.7 27.4 41.2#

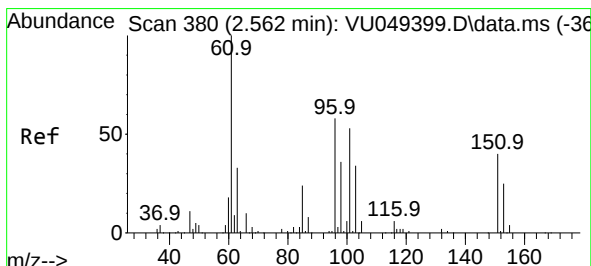
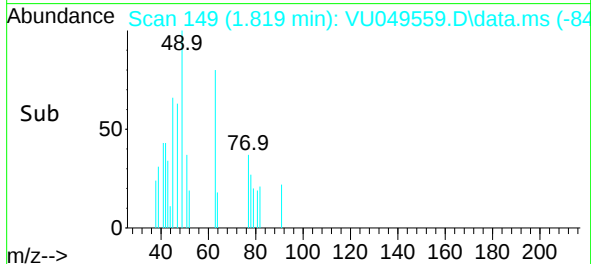
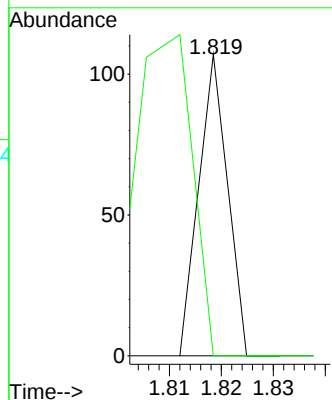
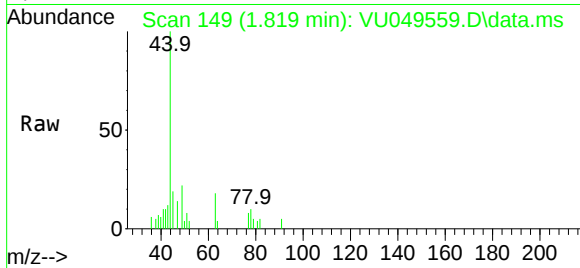




#6
Chloroethane
Concen: 1.926 ug/l
RT: 1.819 min Scan# 14
Delta R.T. -0.090 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

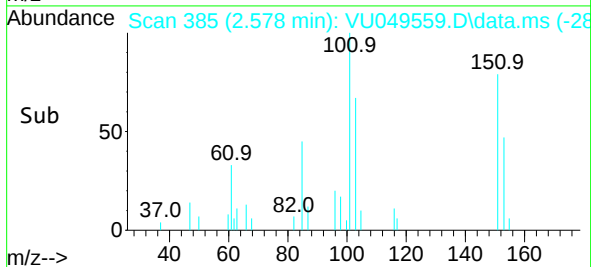
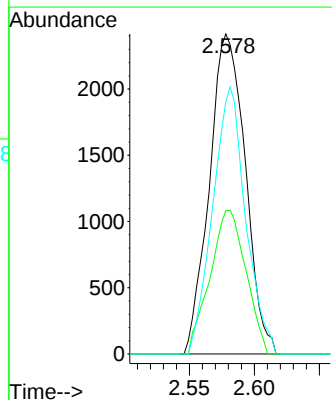
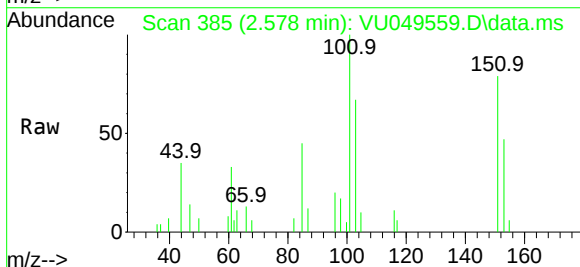
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL

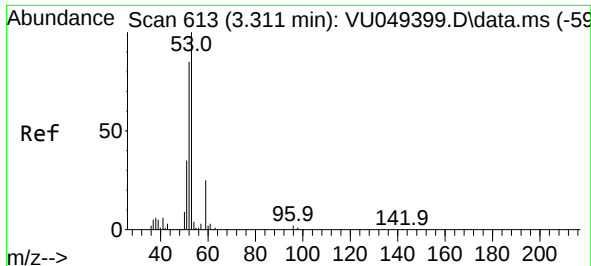
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.625 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion:101 Resp: 4644
Ion Ratio Lower Upper
101 100
85 44.8 33.9 50.9
151 76.5 64.0 96.0

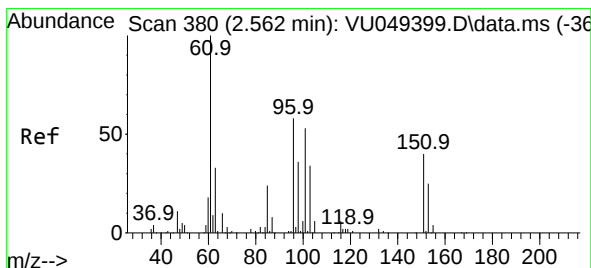
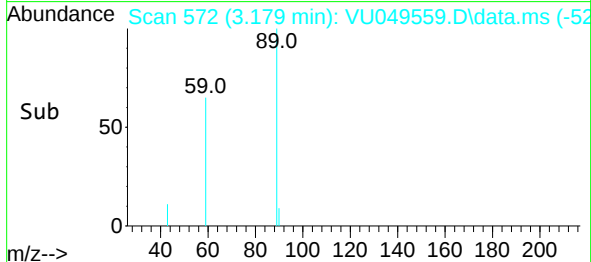
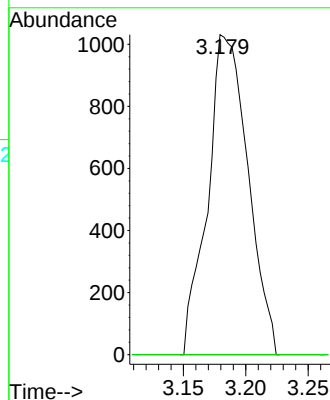
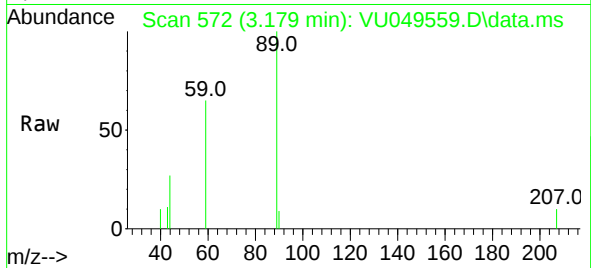




#11
Tert butyl alcohol
Concen: 2.500 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.132 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

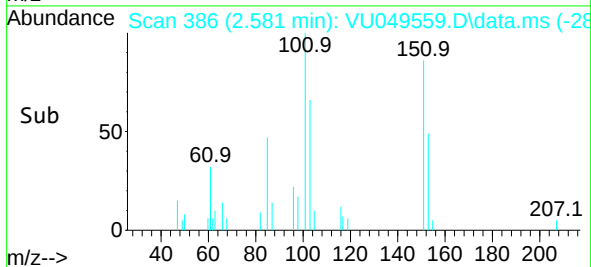
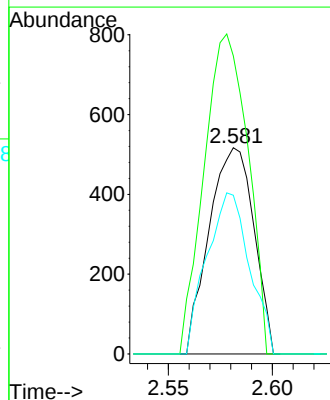
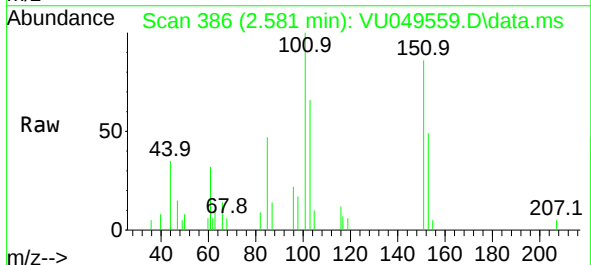
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL

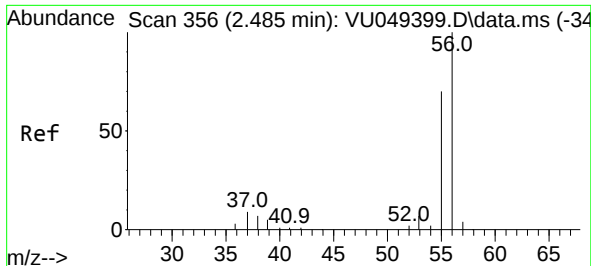
Tgt Ion: 59 Resp: 2321
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 0.276 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion: 96 Resp: 772
Ion Ratio Lower Upper
96 100
61 144.5 122.2 183.2
98 77.0 50.7 76.1#

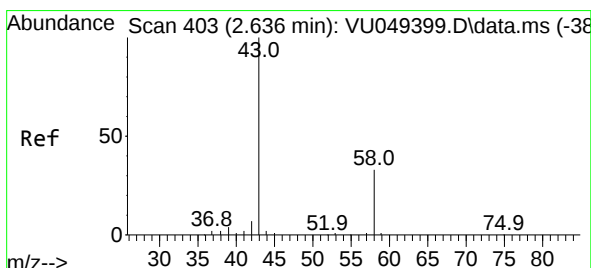
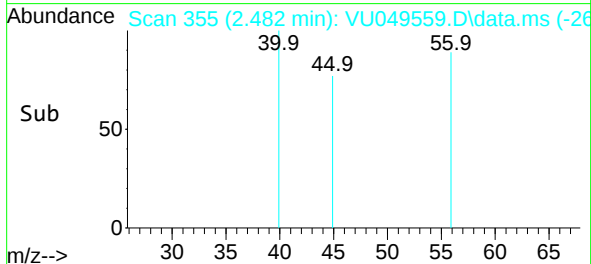
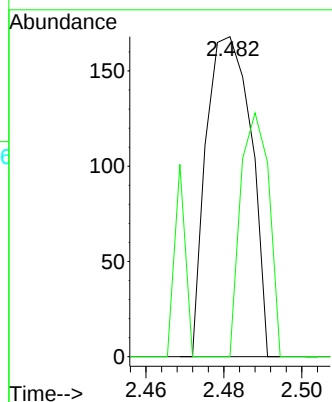
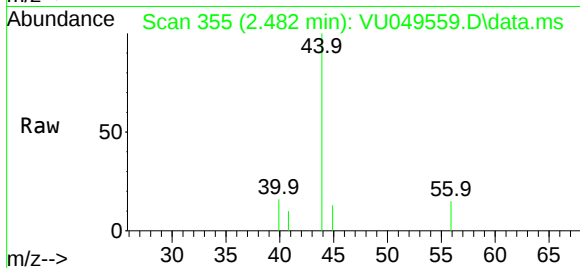




#13
Acrolein
Concen: 0.213 ug/l
RT: 2.482 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

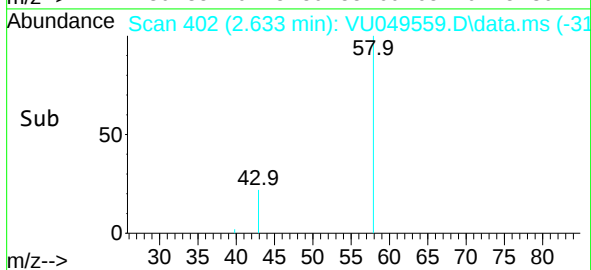
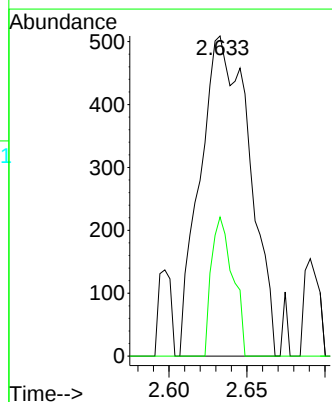
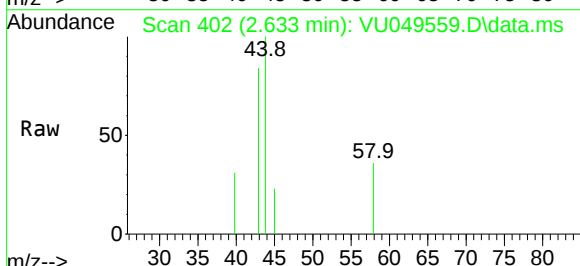
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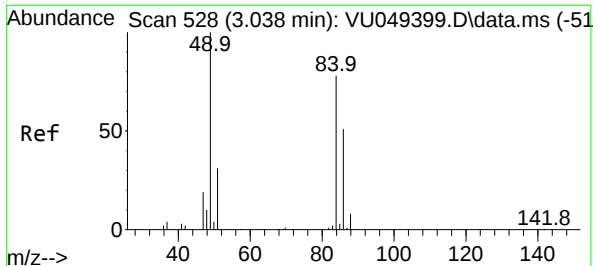
Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 47.8 56.6 85.0#



#16
Acetone
Concen: 0.561 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
58 43.4 27.5 41.3#

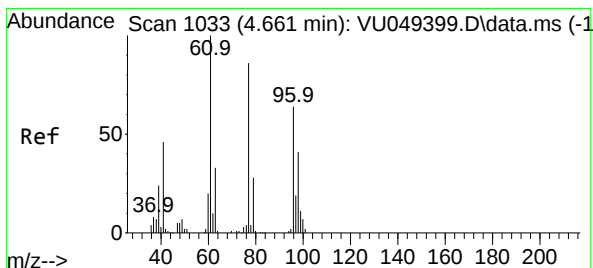
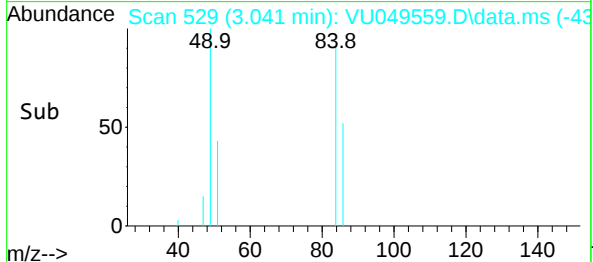
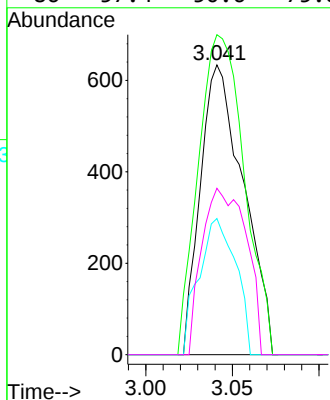
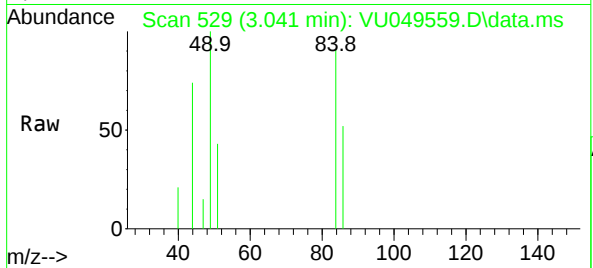




#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

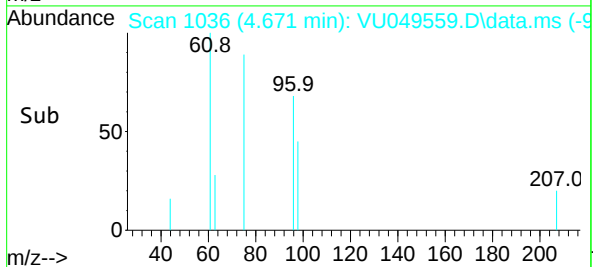
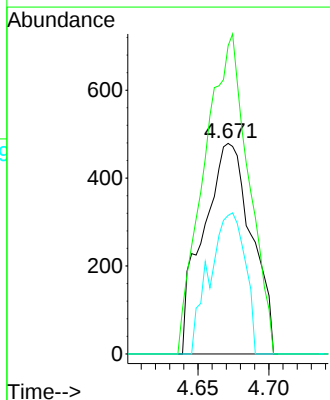
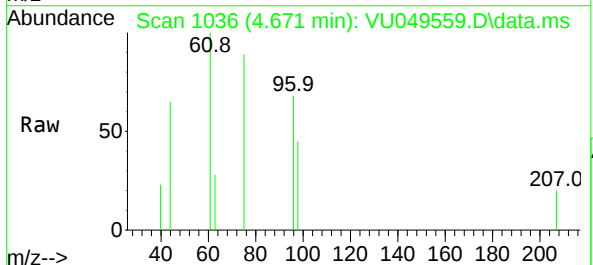
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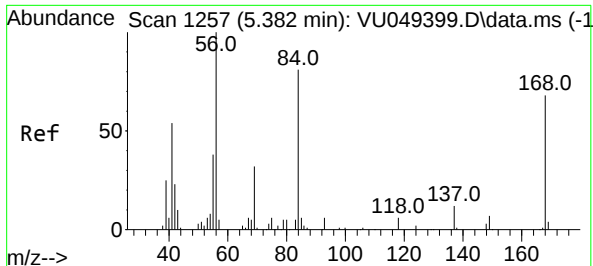
Tgt Ion:	84	Resp:	1096
Ion	Ratio	Lower	Upper
84	100		
49	110.4	86.6	129.8
51	47.0	26.6	40.0#
86	57.4	50.6	75.8



#27
cis-1,2-Dichloroethene
Concen: 0.326 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion:	96	Resp:	1136
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	271.6
98	49.1	0.0	128.2

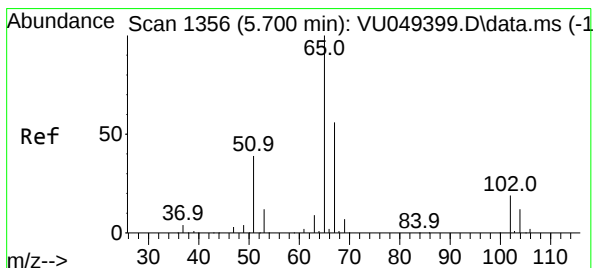
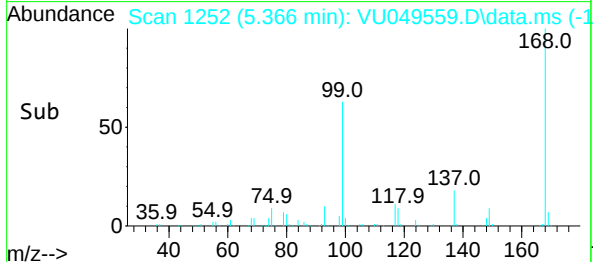
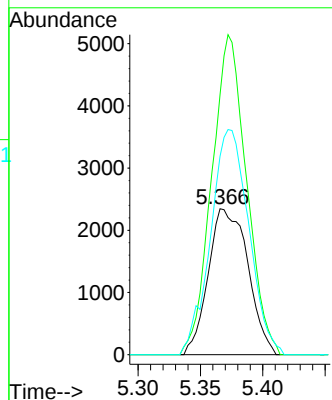
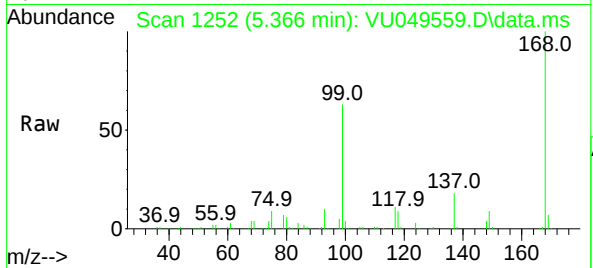




#31
Cyclohexane
Concen: 0.870 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

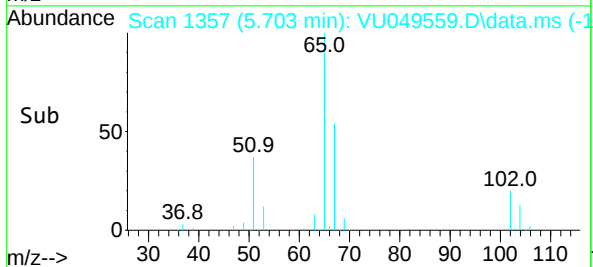
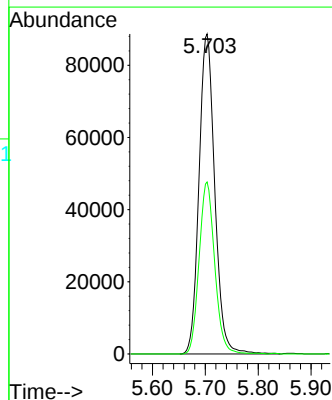
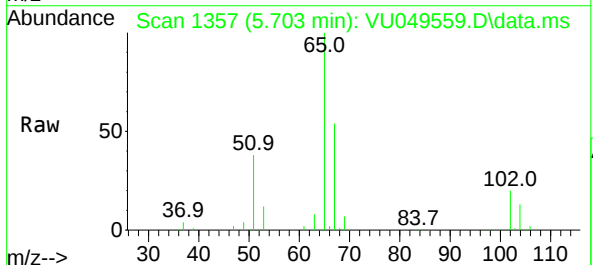
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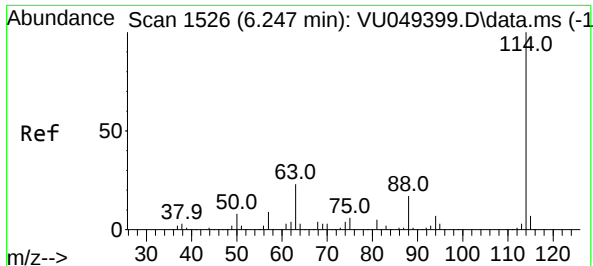
Tgt Ion: 56 Resp: 5184
Ion Ratio Lower Upper
56 100
69 178.2 27.8 41.8#
84 136.0 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 46.232 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion: 65 Resp: 183404
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049559.D

Acq: 30 Jun 2022 13:34

Instrument :

MSVOA_U

ClientSampleId :

RE114D1-20220622DL

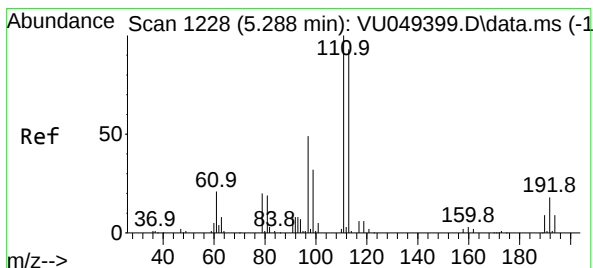
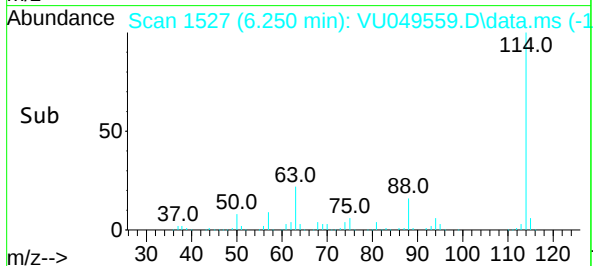
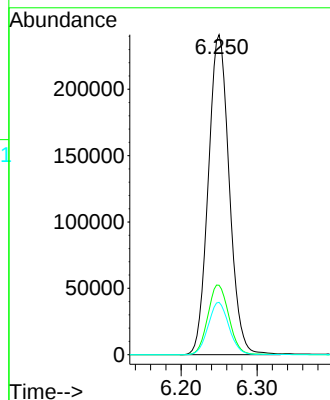
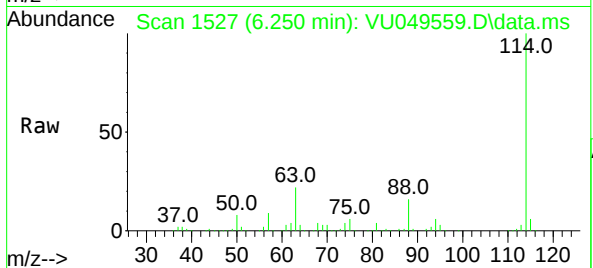
Tgt Ion:114 Resp: 460958

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

88 16.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.466 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049559.D

Acq: 30 Jun 2022 13:34

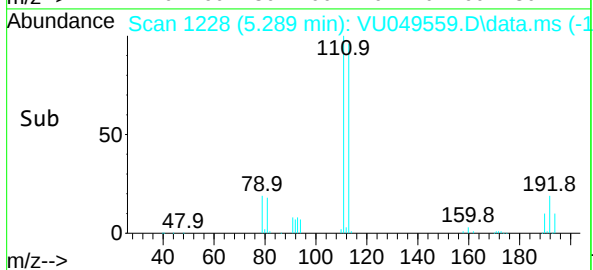
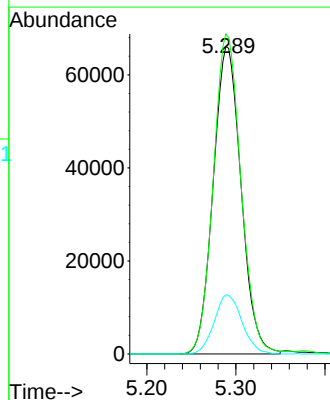
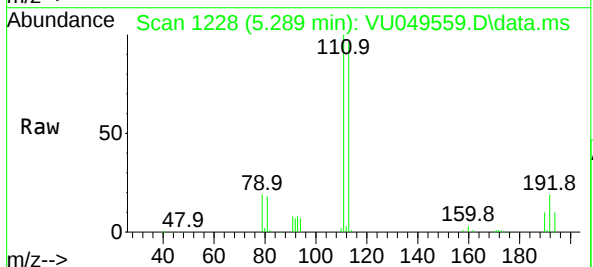
Tgt Ion:113 Resp: 143401

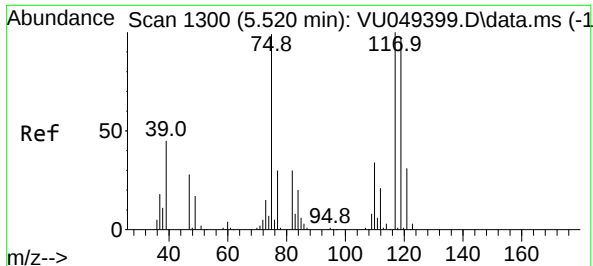
Ion Ratio Lower Upper

113 100

111 103.3 82.1 123.1

192 19.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.559 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049559.D

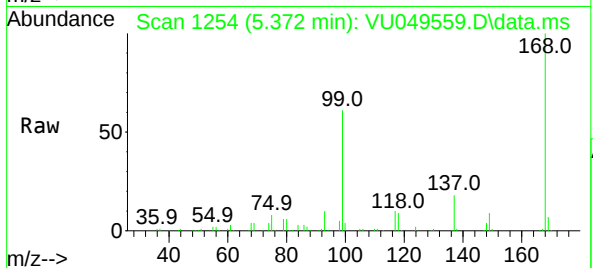
Acq: 30 Jun 2022 13:34

Instrument :

MSVOA_U

ClientSampleId :

RE114D1-20220622DL



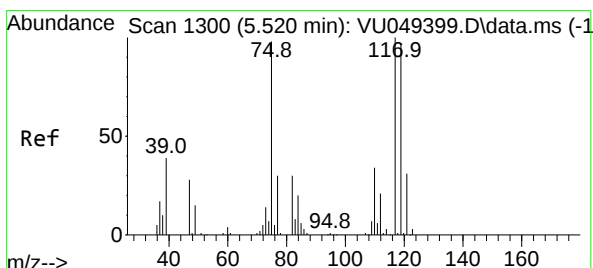
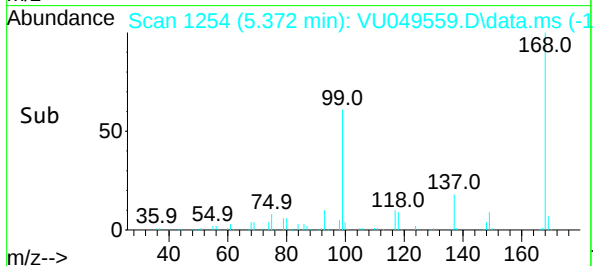
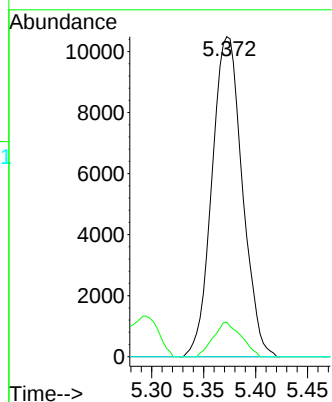
Tgt Ion: 75 Resp: 21317

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.409 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049559.D

Acq: 30 Jun 2022 13:34

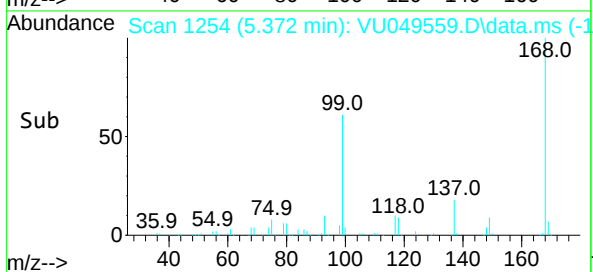
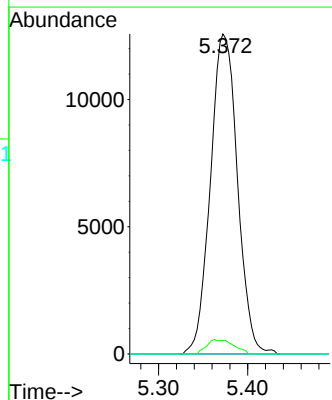
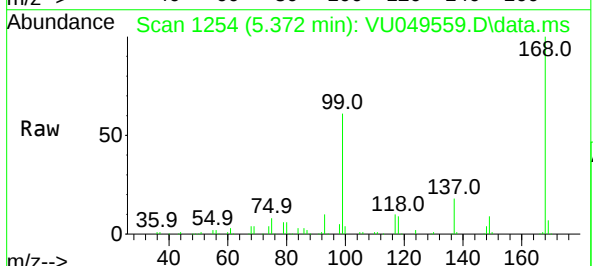
Tgt Ion: 117 Resp: 26524

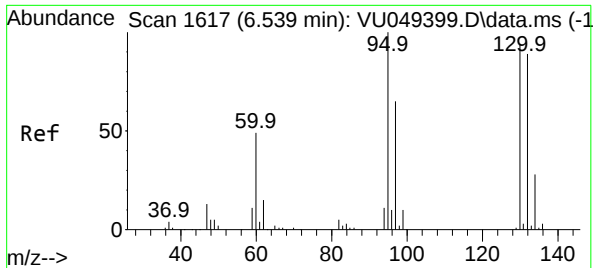
Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

121 0.0 24.7 37.1#

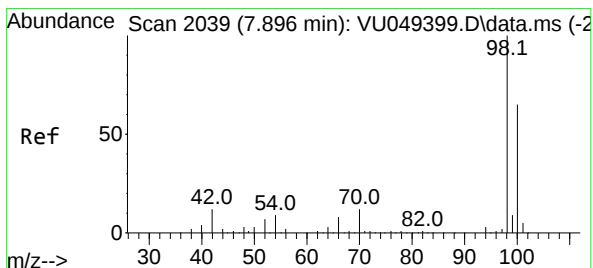
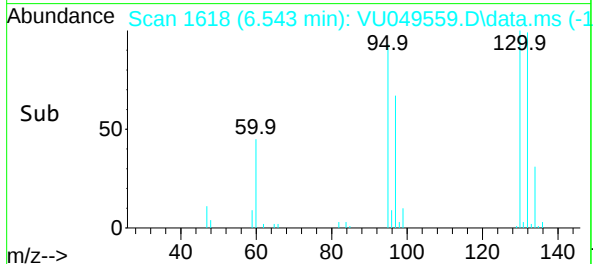
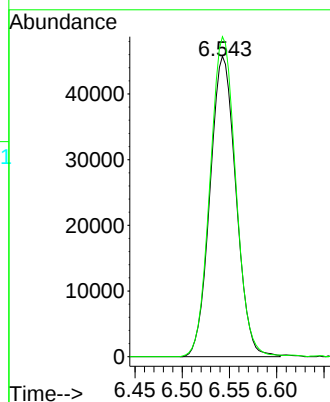
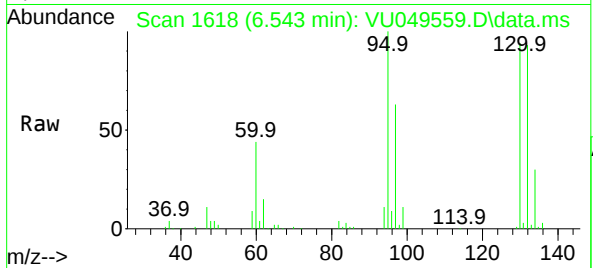




#44
Trichloroethene
Concen: 25.987 ug/l
RT: 6.543 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

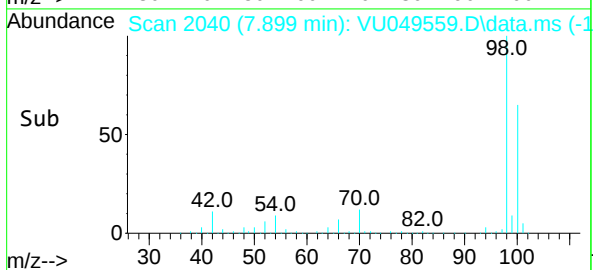
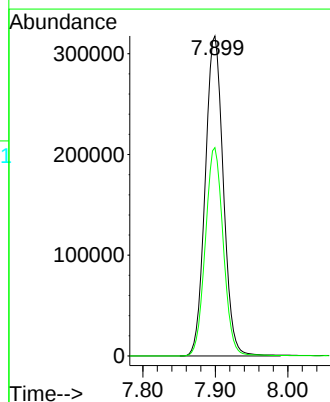
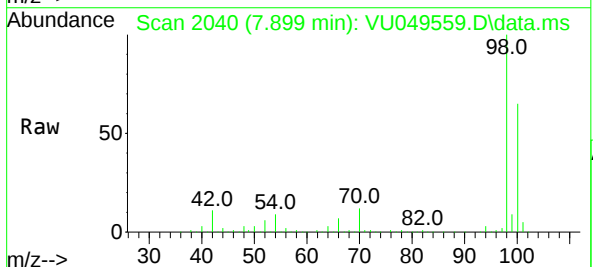
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL

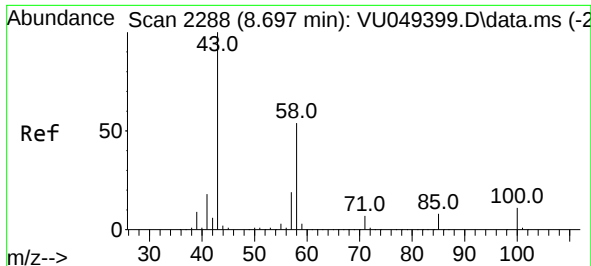
Tgt Ion:130 Resp: 87217
Ion Ratio Lower Upper
130 100
95 106.5 0.0 184.6



#50
Toluene-d8
Concen: 47.833 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion: 98 Resp: 550202
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

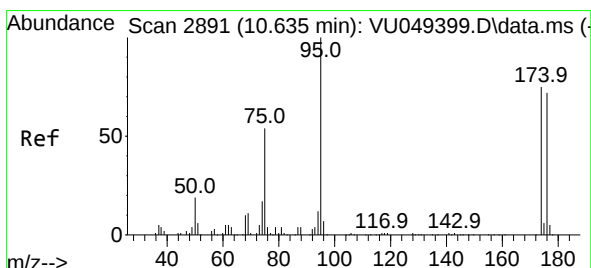
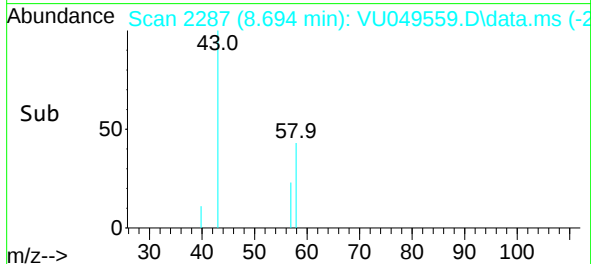
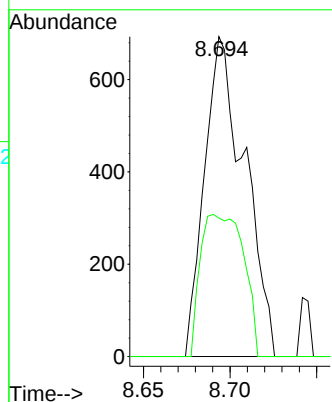
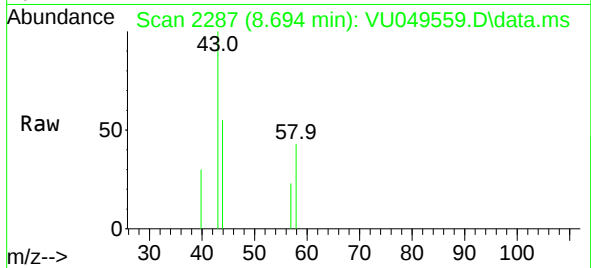




#59
2-Hexanone
Concen: 0.226 ug/l
RT: 8.694 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

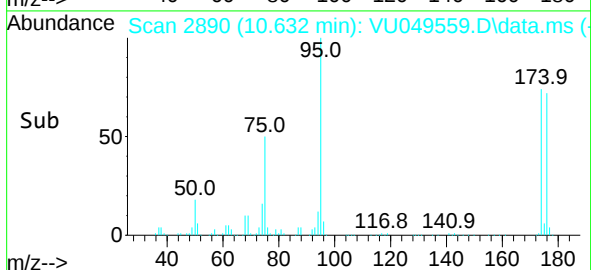
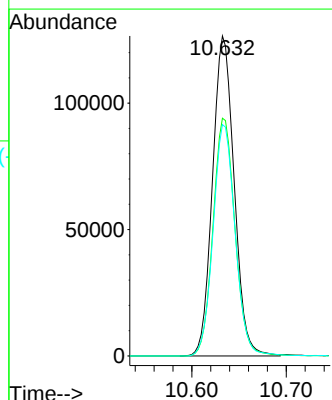
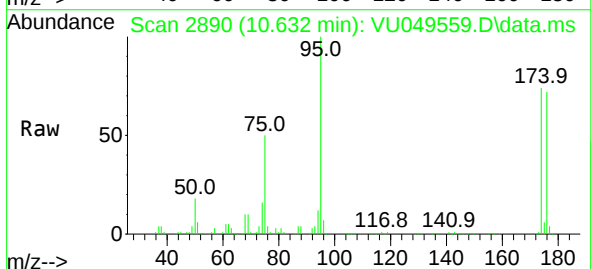
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL

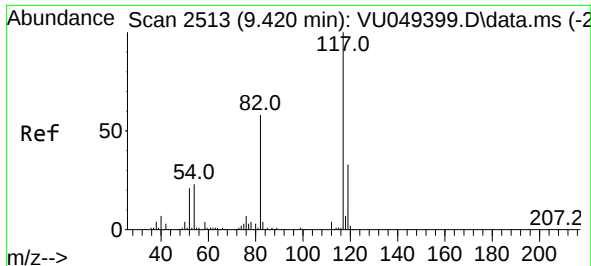
Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 47.7 30.3 90.8



#62
4-Bromofluorobenzene
Concen: 45.694 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion: 95 Resp: 201340
Ion Ratio Lower Upper
95 100
174 75.6 0.0 182.0
176 73.6 0.0 177.8

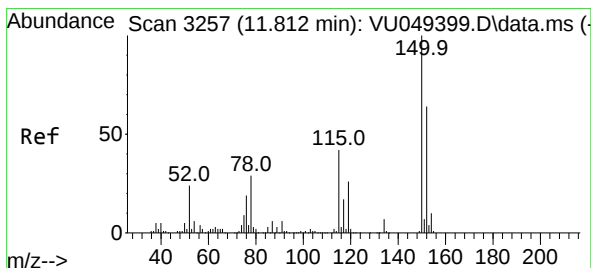
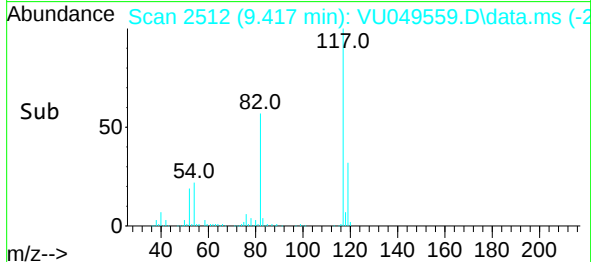
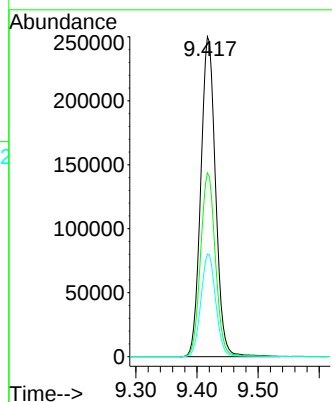
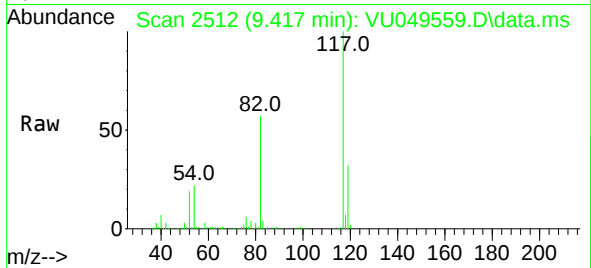




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

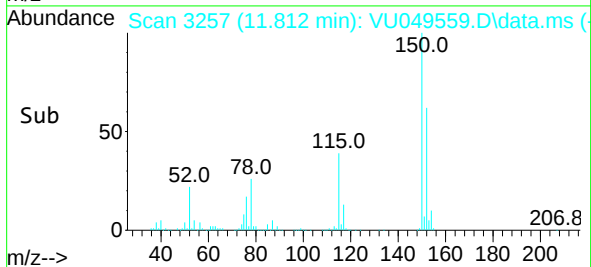
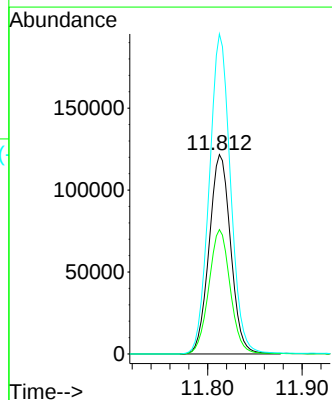
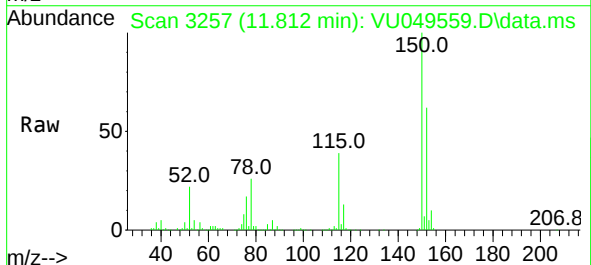
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL

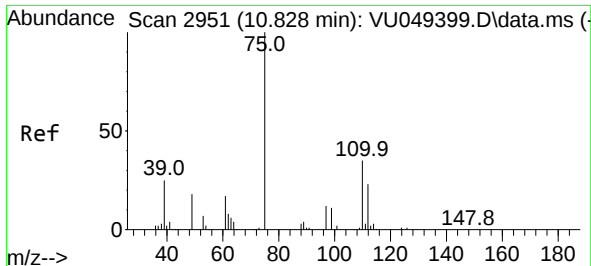
Tgt Ion:117 Resp: 420155
Ion Ratio Lower Upper
117 100
82 57.4 41.7 62.5
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

Tgt Ion:152 Resp: 192833
Ion Ratio Lower Upper
152 100
115 62.0 37.0 110.9
150 158.5 0.0 342.2

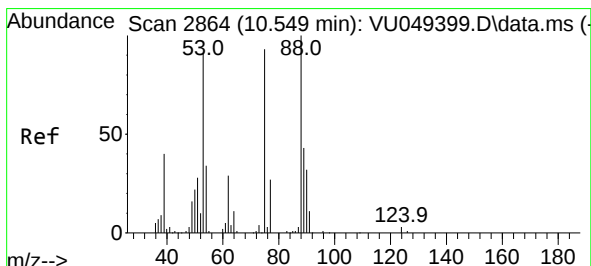
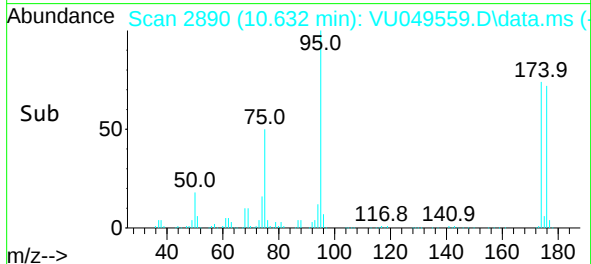
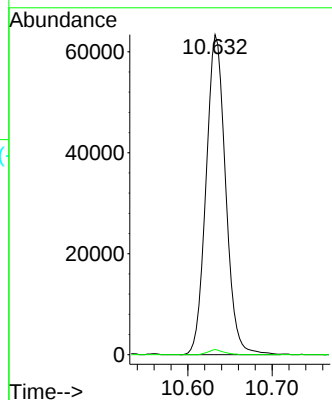
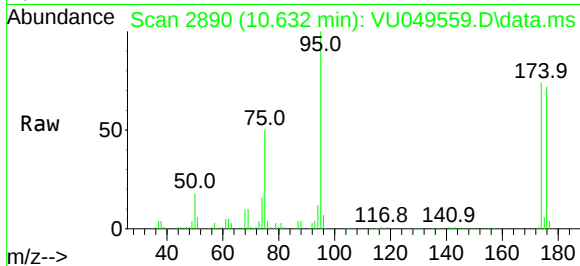




#76
1,2,3-Trichloropropane
Concen: 15.642 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

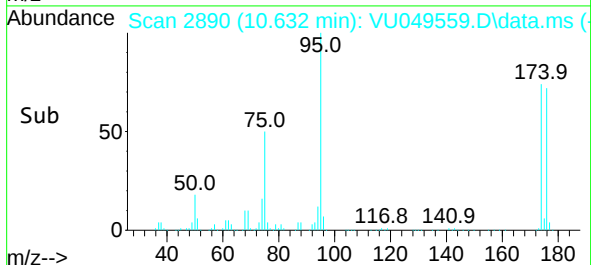
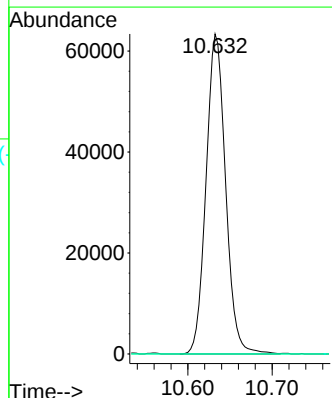
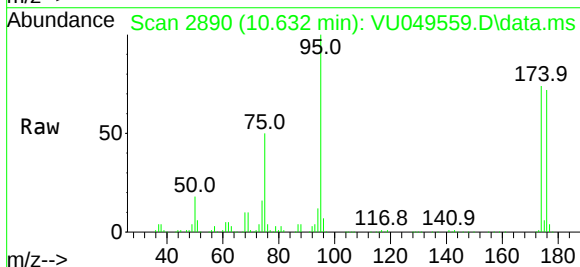
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL

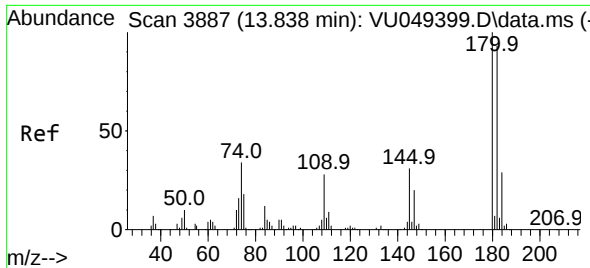
Tgt Ion: 75 Resp: 102249
Ion Ratio Lower Upper
75 100
77 1.3 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.764 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

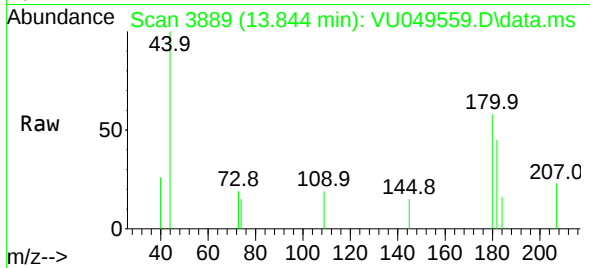
Tgt Ion: 75 Resp: 102249
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



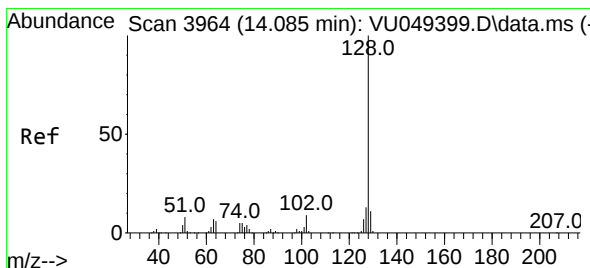
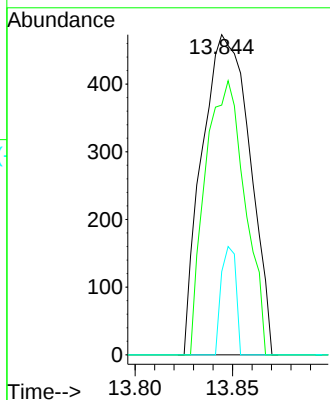
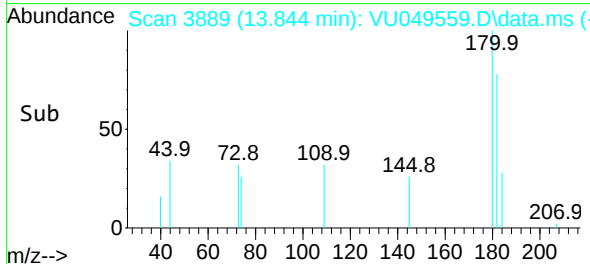


#93
1,2,4-Trichlorobenzene
Concen: 1.934 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.007 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34

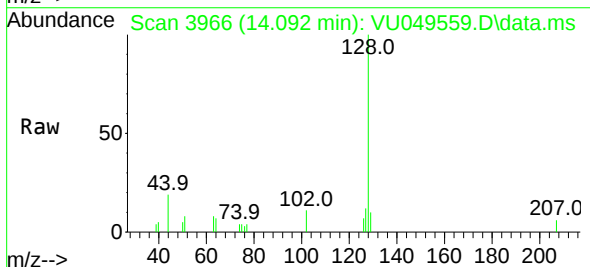
Instrument :
MSVOA_U
ClientSampleId :
RE114D1-20220622DL



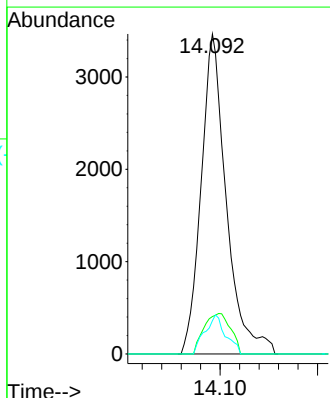
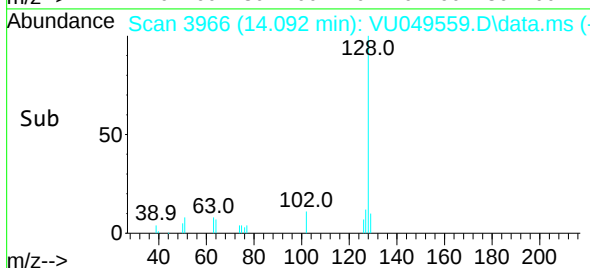
Tgt Ion:180 Resp: 808
Ion Ratio Lower Upper
180 100
182 71.0 47.9 143.6
145 10.3 14.0 41.9#

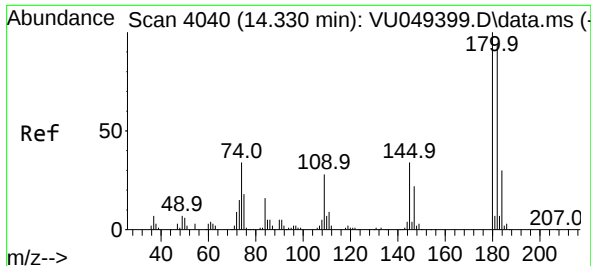


#95
Naphthalene
Concen: 2.133 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.007 min
Lab File: VU049559.D
Acq: 30 Jun 2022 13:34



Tgt Ion:128 Resp: 6213
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.0 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 1.322 ug/l

RT: 14.330 min Scan# 40

Delta R.T. 0.000 min

Lab File: VU049559.D

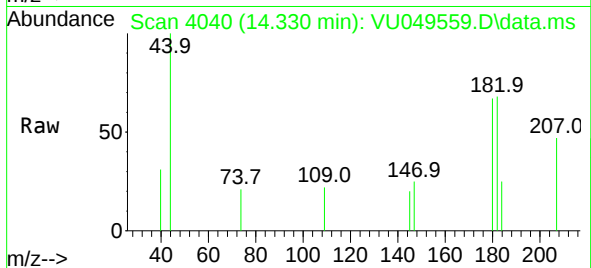
Acq: 30 Jun 2022 13:34

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:180 Resp: 658

Ion Ratio Lower Upper

180 100

182 106.8 48.4 145.0

145 31.8 14.8 44.4

