

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048946.D
 Acq On : 08 Jun 2022 06:09
 Operator : SY/MD
 Sample : N3166-07DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP04-20220531DL

Quant Time: Jun 08 09:18:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

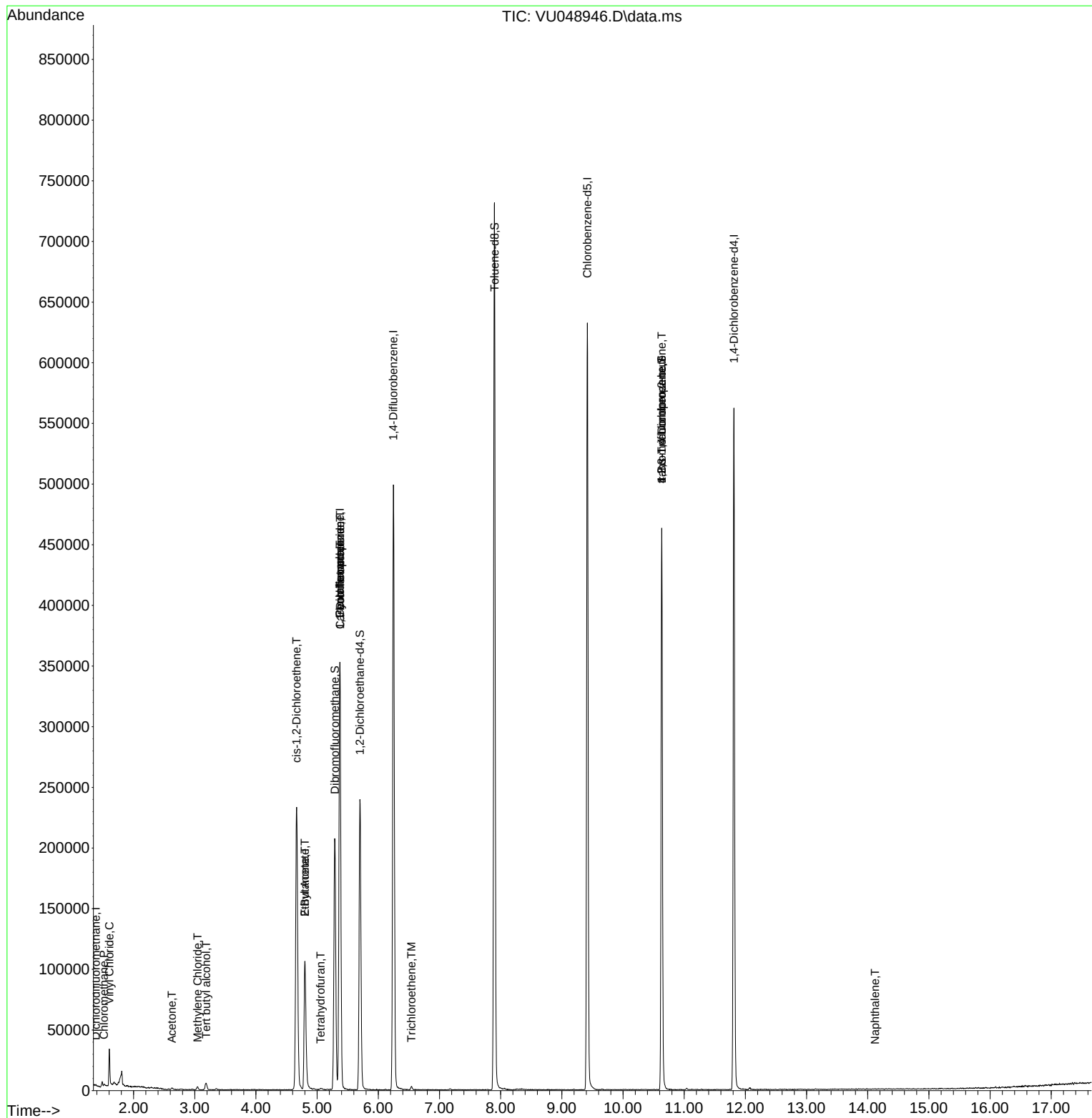
Internal Standards						
1) Pentafluorobenzene	5.372	168	239886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	396736	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	348350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	153371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	185449	51.476	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.960%	
35) Dibromofluoromethane	5.289	113	135806	47.981	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.960%	
50) Toluene-d8	7.899	98	482597	47.565	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.140%	
62) 4-Bromofluorobenzene	10.632	95	153259	39.941	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 79.880%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	596	0.217	ug/l	84
3) Chloromethane	1.517	50	920	0.260	ug/l	100
4) Vinyl Chloride	1.604	62	19647	6.000	ug/l	94
5) Bromomethane	1.842	94	41	Below Cal	#	3
6) Chloroethane	1.957	64	179	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	3664	4.012	ug/l #	28
16) Acetone	2.626	43	1616	0.880	ug/l	89
20) Methylene Chloride	3.044	84	1094	0.350	ug/l	96
25) 2-Butanone	4.800	43	138364	52.459	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	126093	39.006	ug/l	88
29) Tetrahydrofuran	5.057	42	536	0.323	ug/l	92
31) Cyclohexane	5.372	56	4814	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19358	4.686	ug/l #	50
37) Ethyl Acetate	4.800	43	138364	26.495	ug/l	99
38) Carbon Tetrachloride	5.375	117	25265	5.331	ug/l #	16
44) Trichloroethene	6.543	130	929	0.296	ug/l	77
76) 1,2,3-Trichloropropane	10.632	75	80071	16.192	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	80071	58.792	ug/l #	13
95) Naphthalene	14.118	128	202	2.549	ug/l #	69

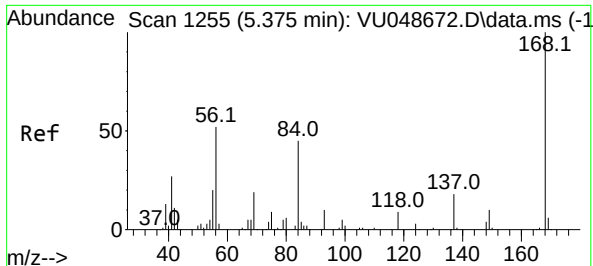
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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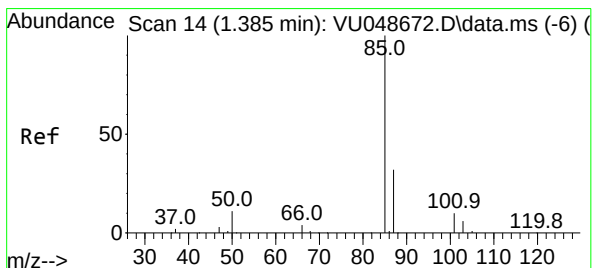
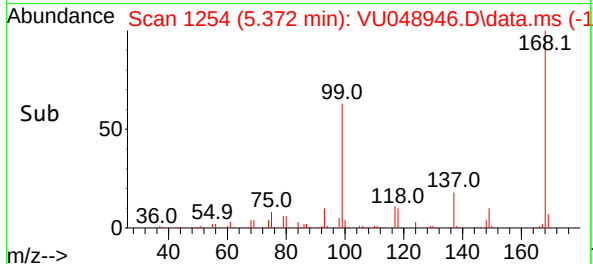
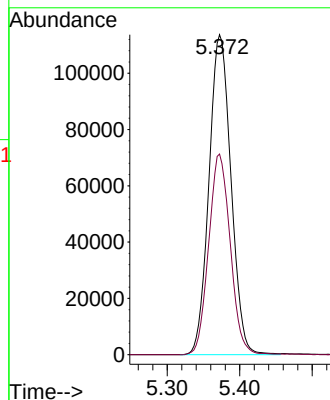
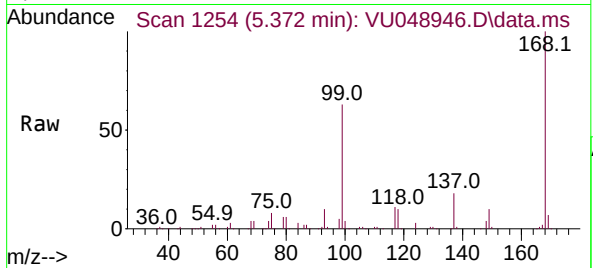




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

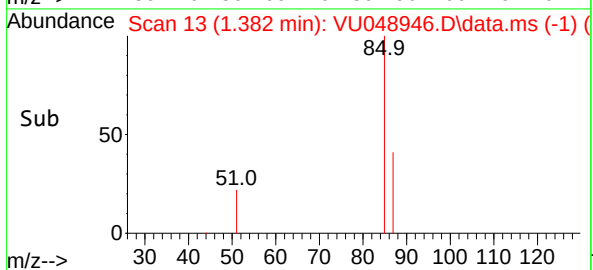
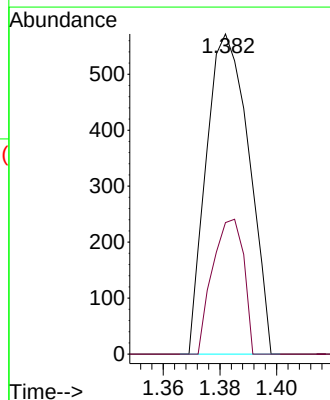
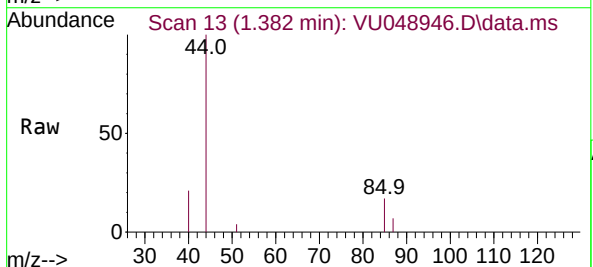
Instrument :
MSVOA_U
ClientSampleId :
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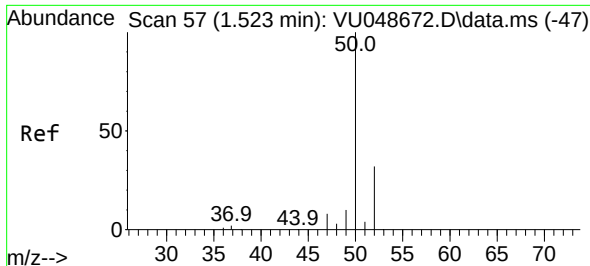
Tgt Ion:168 Resp: 239886
Ion Ratio Lower Upper
168 100
99 62.7 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 0.217 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.003 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion: 85 Resp: 596
Ion Ratio Lower Upper
85 100
87 41.1 16.0 48.0

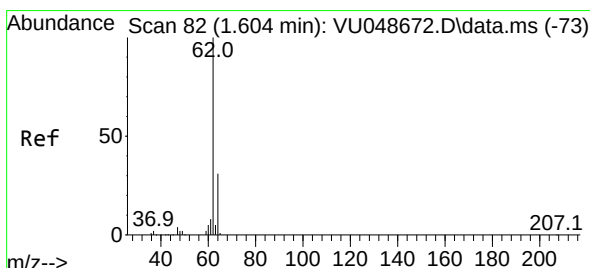
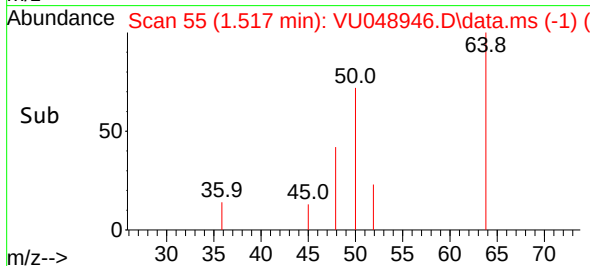
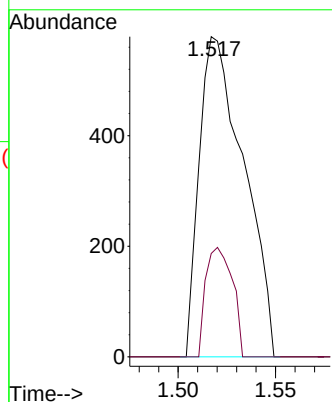
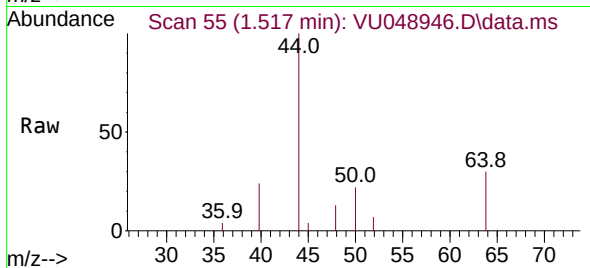




#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

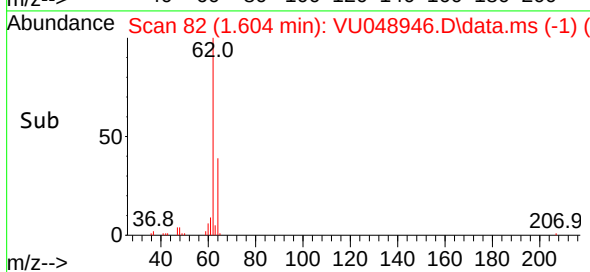
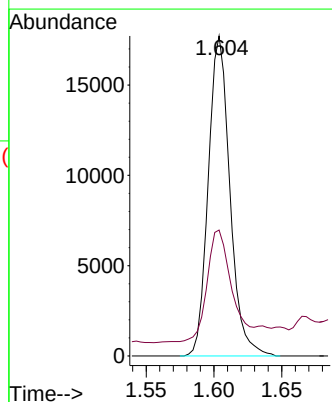
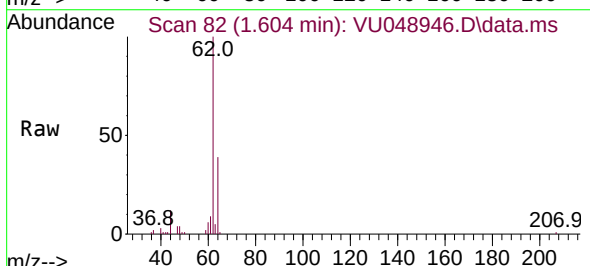
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

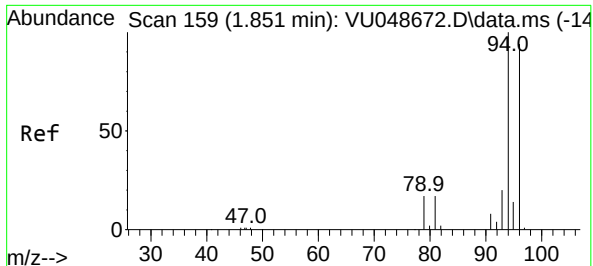
Tgt Ion: 50 Resp: 920
Ion Ratio Lower Upper
50 100
52 32.3 25.7 38.5



#4
Vinyl Chloride
Concen: 6.000 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion: 62 Resp: 19647
Ion Ratio Lower Upper
62 100
64 34.9 25.2 37.8

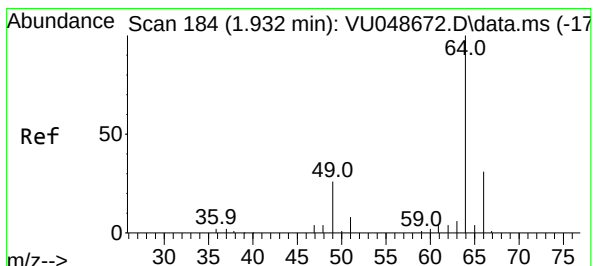
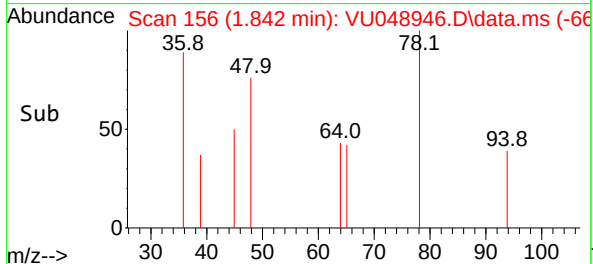
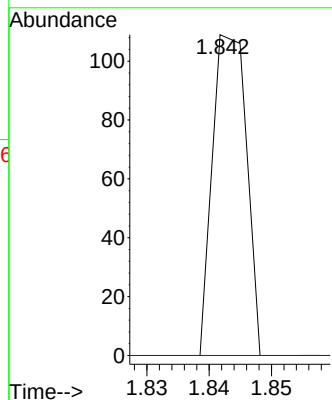
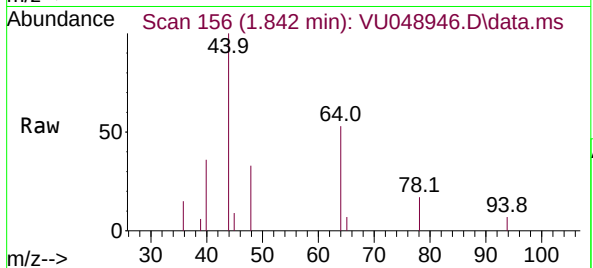




#5
Bromomethane
Concen: Below Cal
RT: 1.842 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

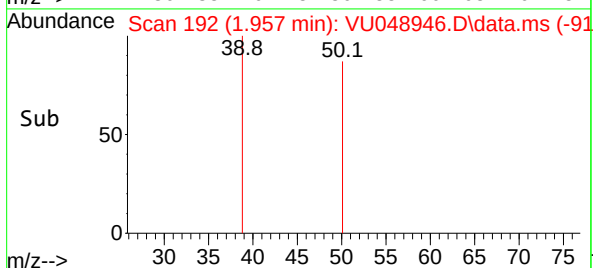
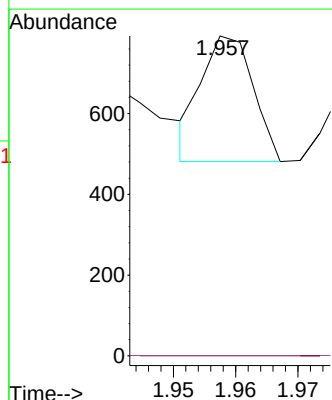
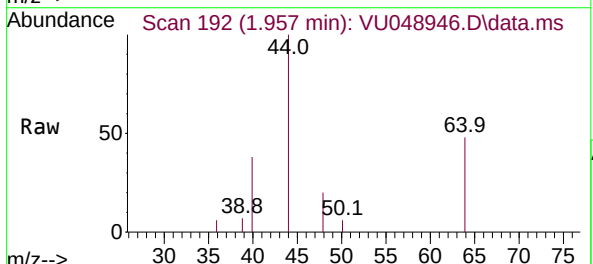
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

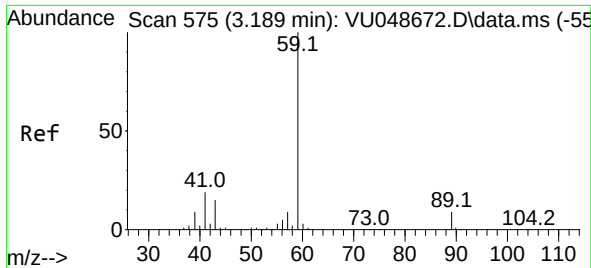
Tgt Ion: 94 Resp: 41
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.957 min Scan# 192
Delta R.T. 0.025 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion: 64 Resp: 179
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

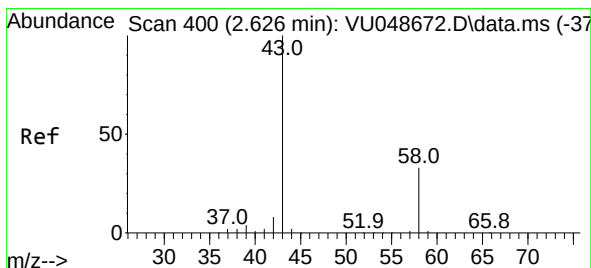
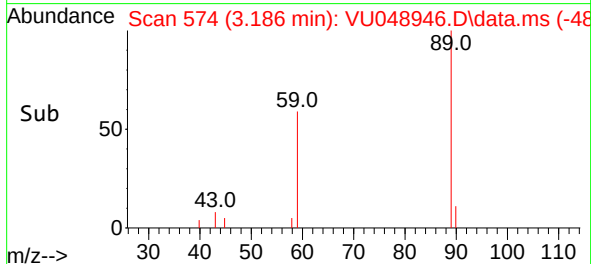
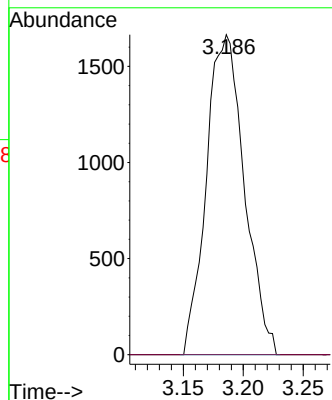
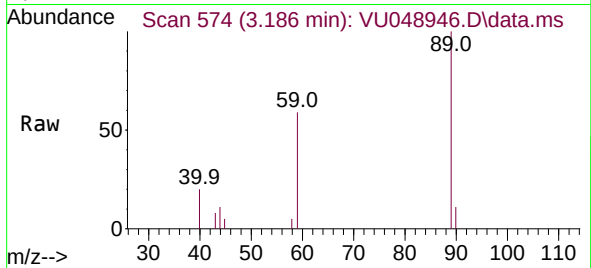




#11
Tert butyl alcohol
Concen: 4.012 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

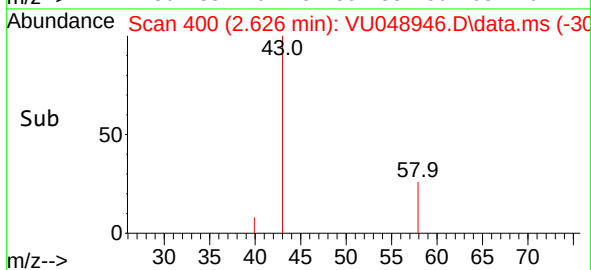
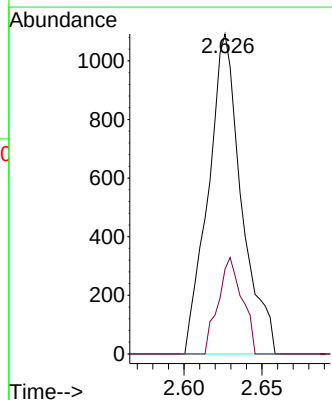
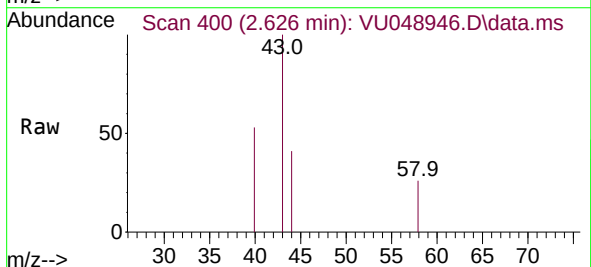
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

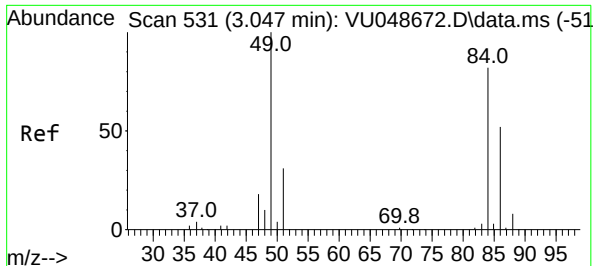
Tgt Ion: 59 Resp: 3664
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#16
Acetone
Concen: 0.880 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

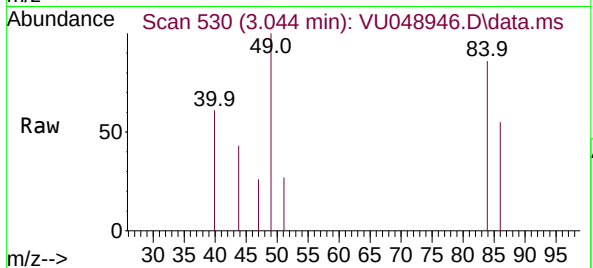
Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
58 26.5 26.3 39.5



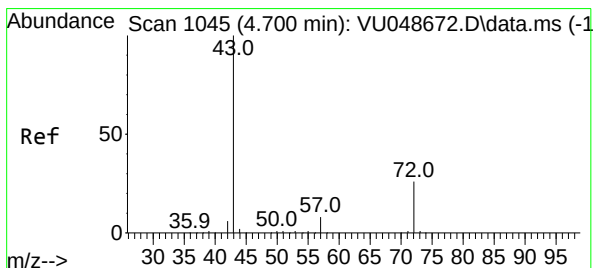
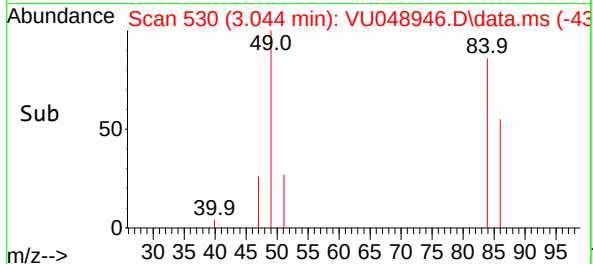
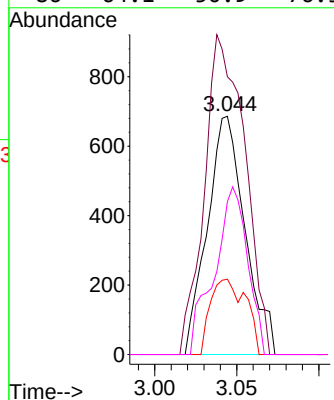


#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

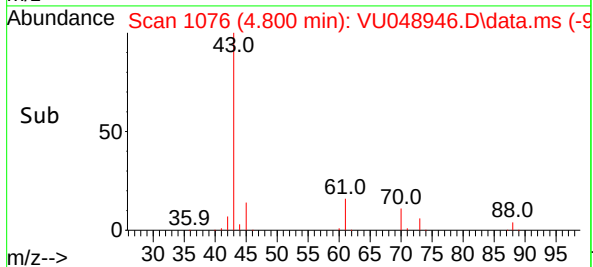
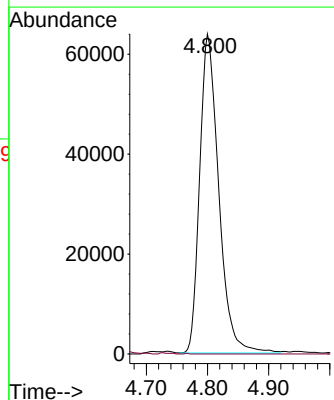
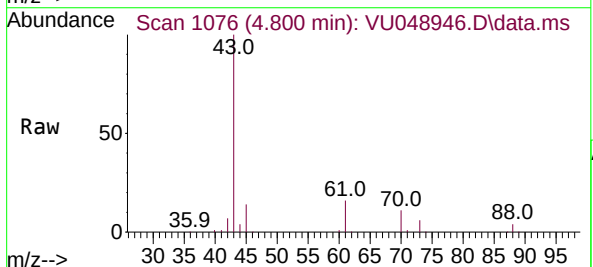


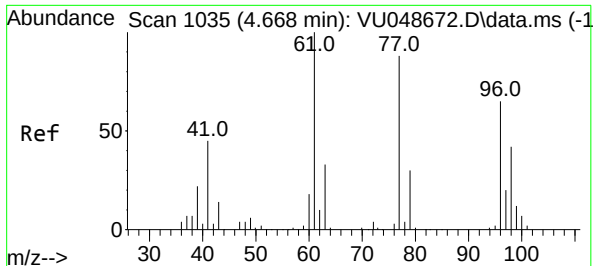
Tgt Ion:	84	Resp:	1094
Ion	Ratio	Lower	Upper
84	100		
49	116.6	97.0	145.4
51	31.6	29.8	44.8
86	64.1	50.9	76.3



#25
2-Butanone
Concen: 52.459 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion:	43	Resp:	138364
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#





#27

cis-1,2-Dichloroethene

Concen: 39.006 ug/l

RT: 4.665 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VU048946.D

Acq: 08 Jun 2022 06:09

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220531DL

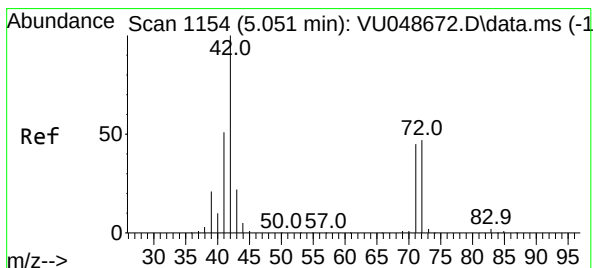
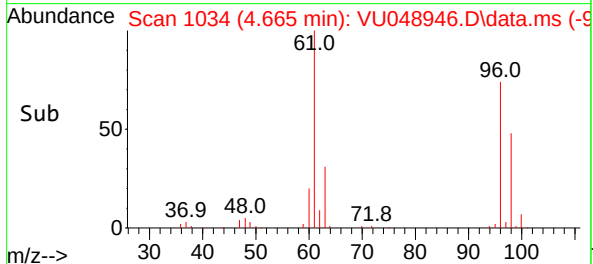
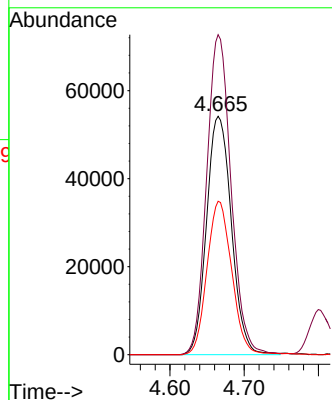
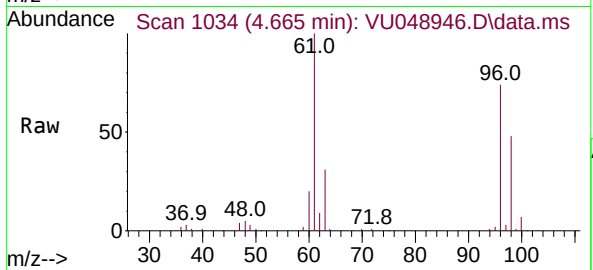
Tgt Ion: 96 Resp: 126093

Ion Ratio Lower Upper

96 100

61 131.9 0.0 306.2

98 63.9 0.0 130.4



#29

Tetrahydrofuran

Concen: 0.323 ug/l

RT: 5.057 min Scan# 1156

Delta R.T. 0.006 min

Lab File: VU048946.D

Acq: 08 Jun 2022 06:09

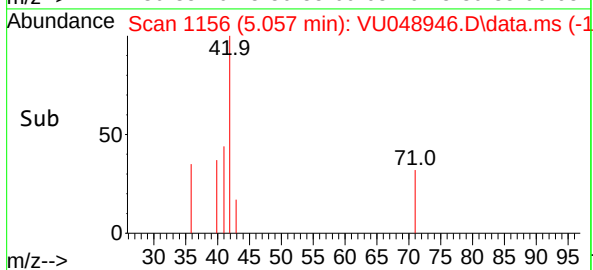
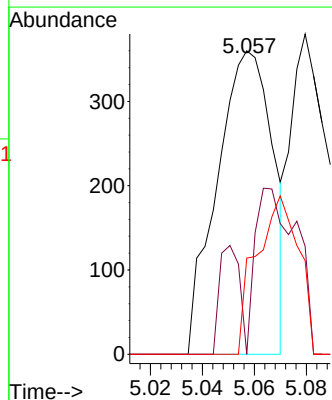
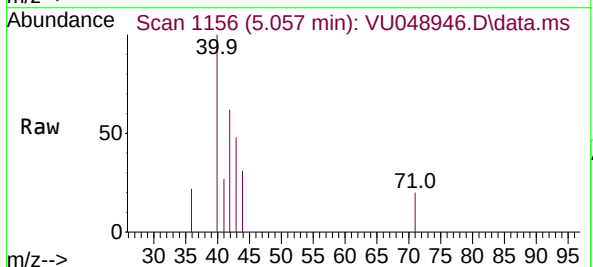
Tgt Ion: 42 Resp: 536

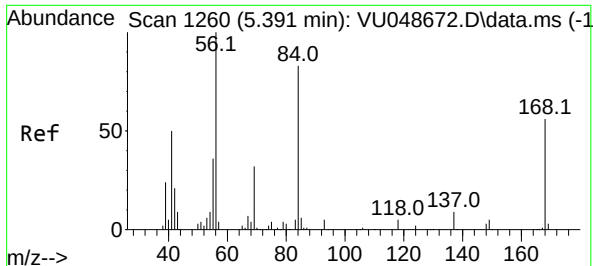
Ion Ratio Lower Upper

42 100

72 40.3 37.6 56.4

71 39.7 35.0 52.4

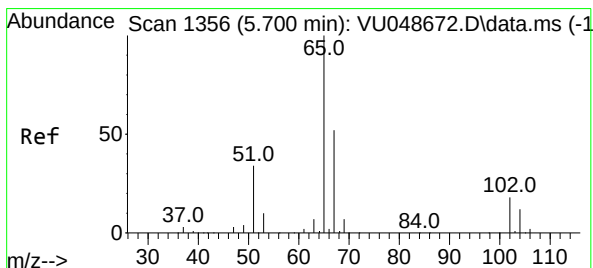
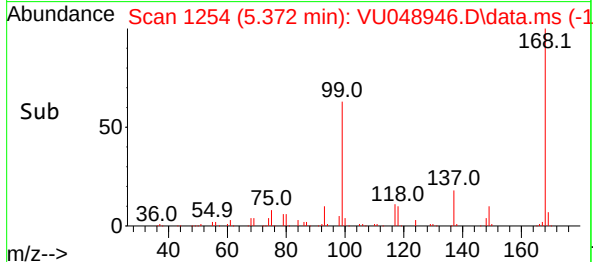
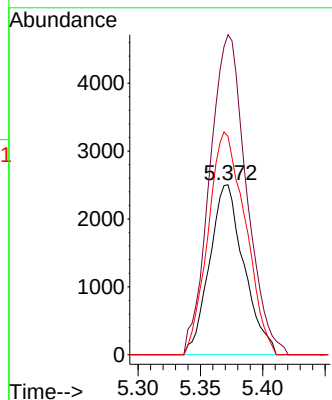
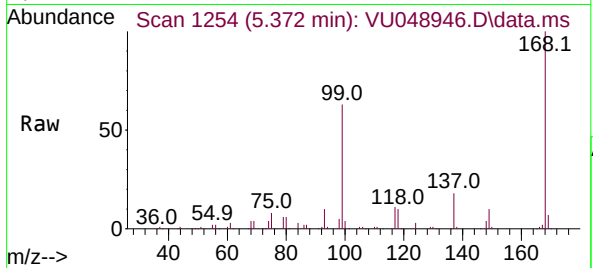




#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

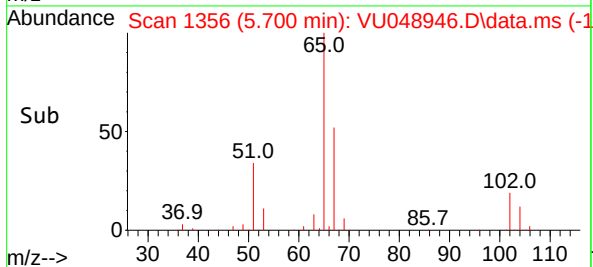
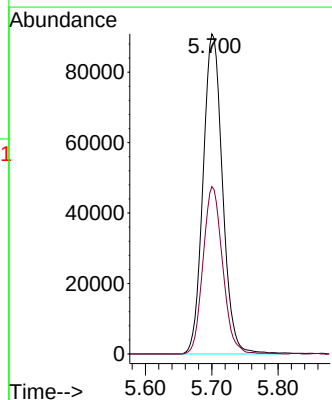
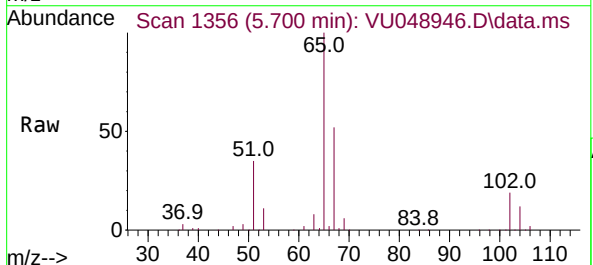
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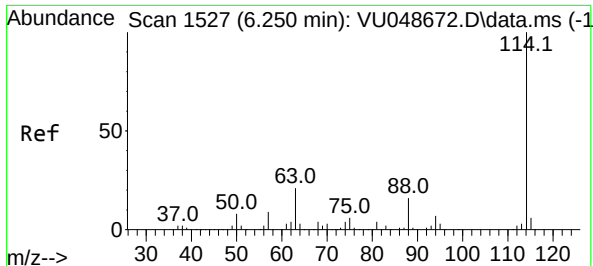
Tgt Ion: 56 Resp: 4814
Ion Ratio Lower Upper
56 100
69 188.4 25.6 38.4#
84 128.4 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 51.476 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion: 65 Resp: 185449
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048946.D

Acq: 08 Jun 2022 06:09

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220531DL

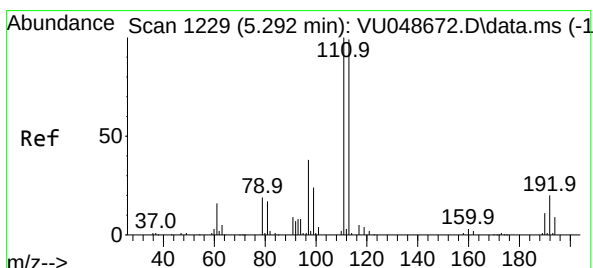
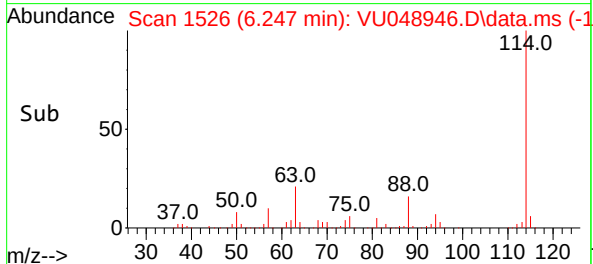
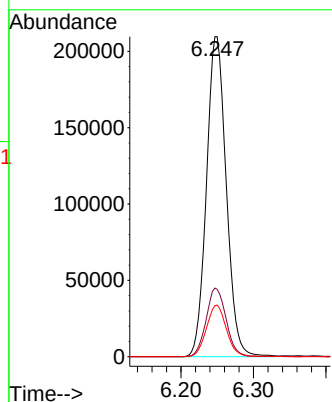
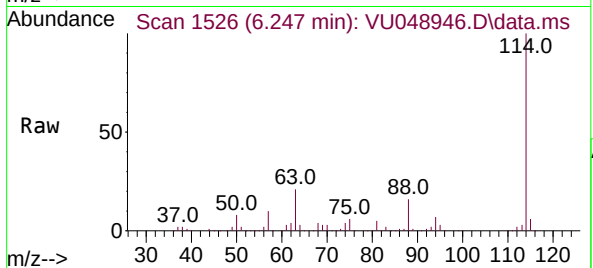
Tgt Ion:114 Resp: 396736

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 16.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.981 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048946.D

Acq: 08 Jun 2022 06:09

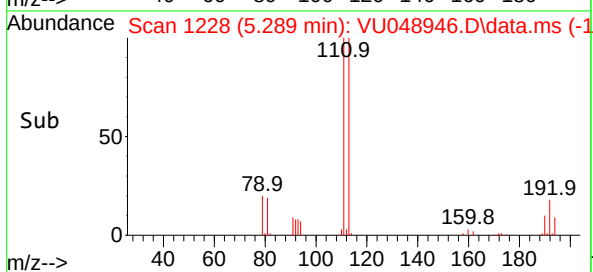
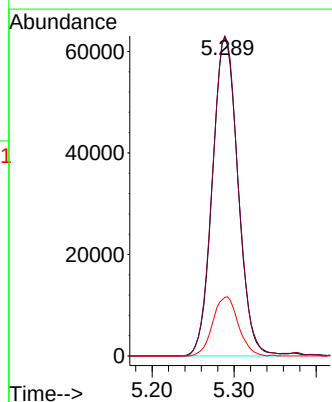
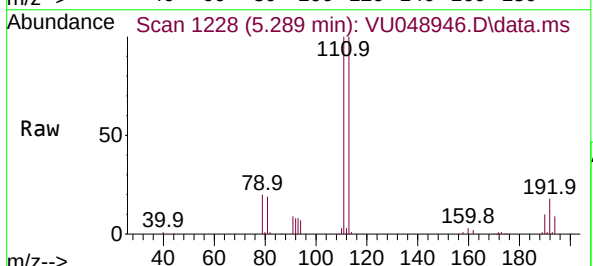
Tgt Ion:113 Resp: 135806

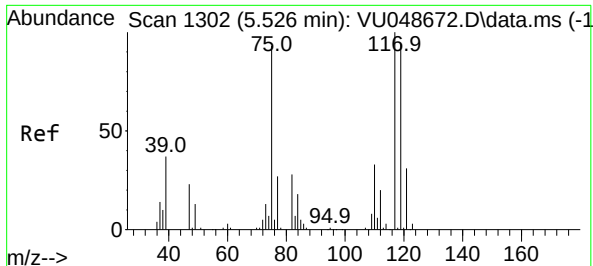
Ion Ratio Lower Upper

113 100

111 101.1 80.7 121.1

192 18.5 15.9 23.9

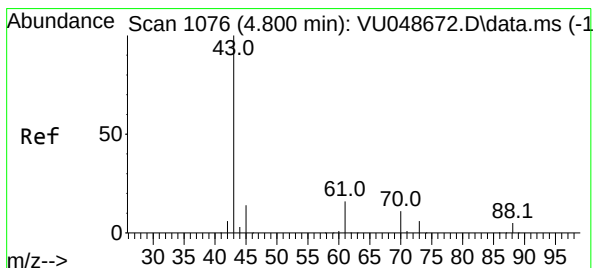
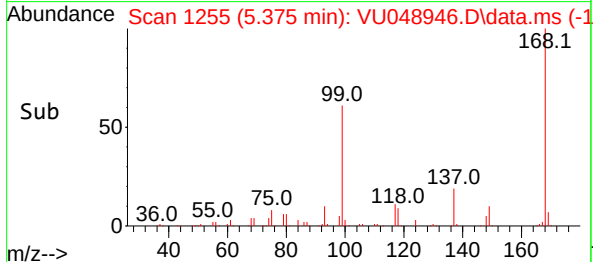
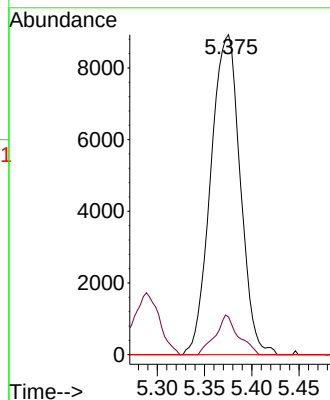
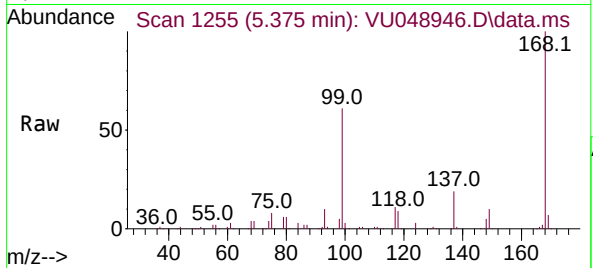




#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

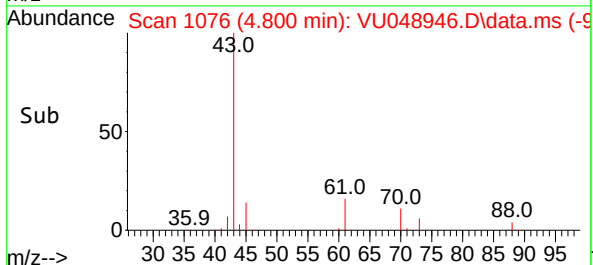
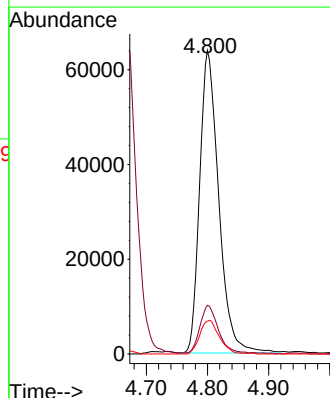
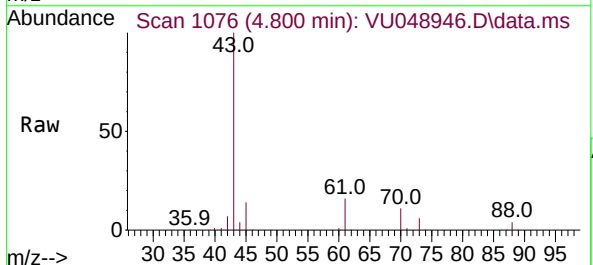
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

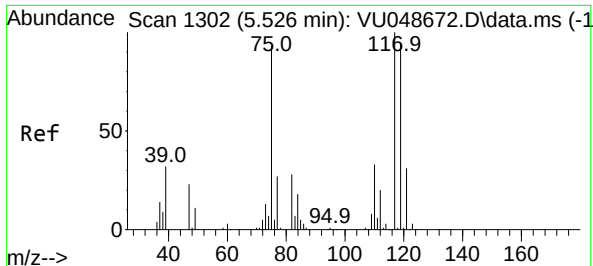
Tgt Ion: 75 Resp: 19358
Ion Ratio Lower Upper
75 100
110 9.6 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 26.495 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

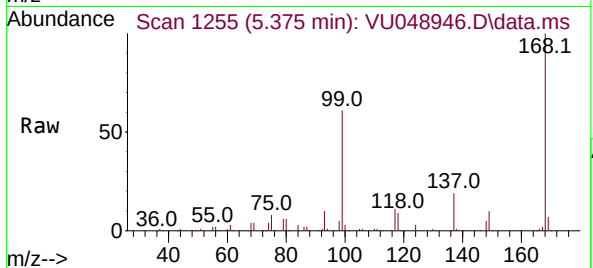
Tgt Ion: 43 Resp: 138364
Ion Ratio Lower Upper
43 100
61 14.9 11.7 17.5
70 11.4 8.4 12.6



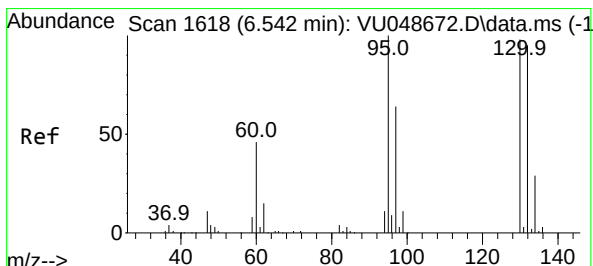
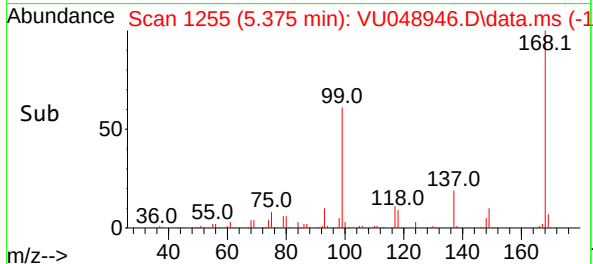
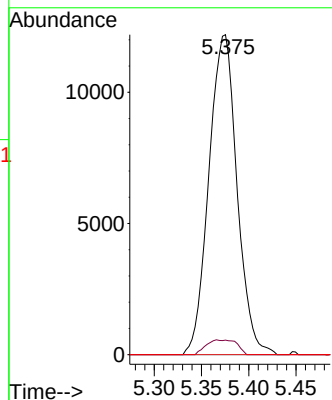


#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

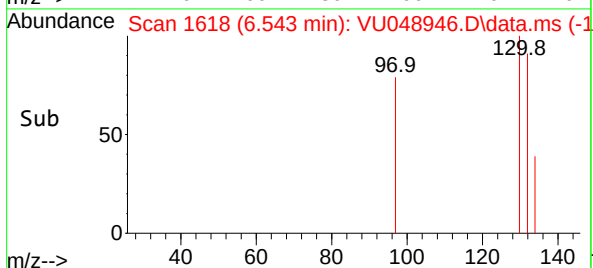
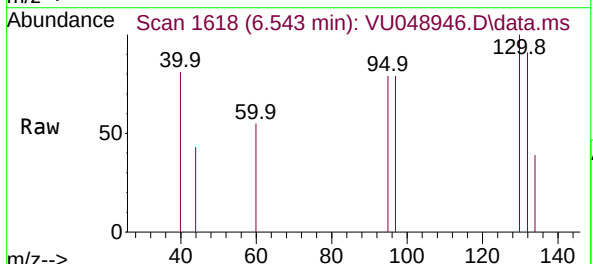
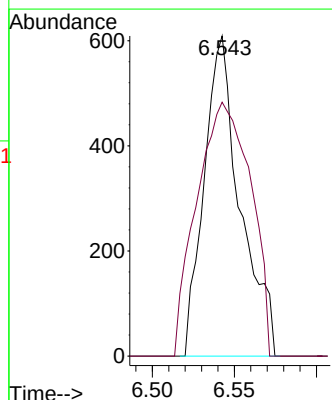


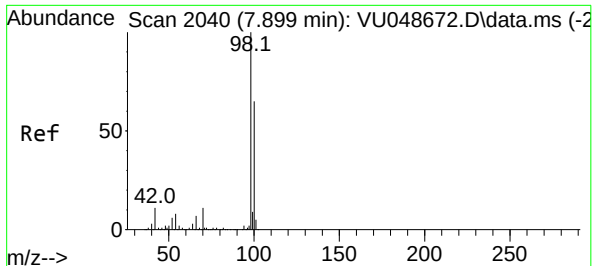
Tgt Ion:117 Resp: 25265
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 0.296 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion:130 Resp: 929
Ion Ratio Lower Upper
130 100
95 79.3 0.0 204.8





#50

Toluene-d8

Concen: 47.565 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU048946.D

Acq: 08 Jun 2022 06:09

Instrument :

MSVOA_U

ClientSampleId :

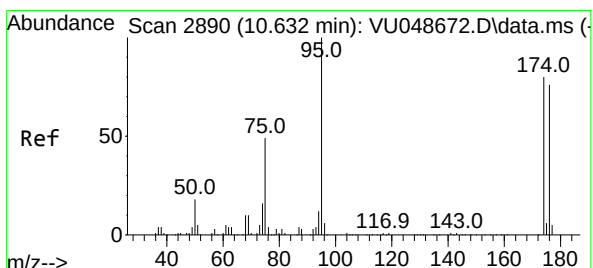
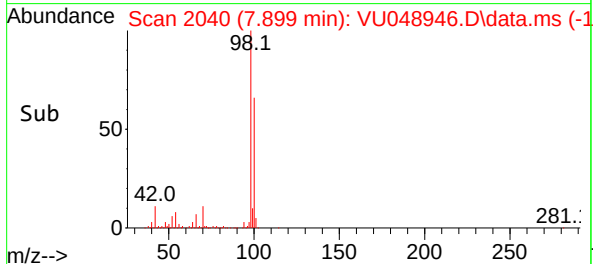
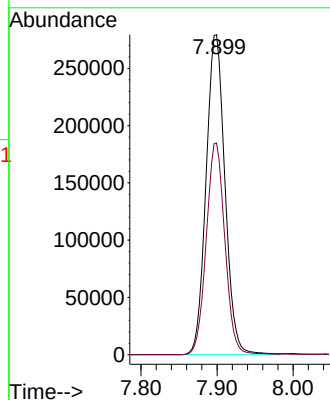
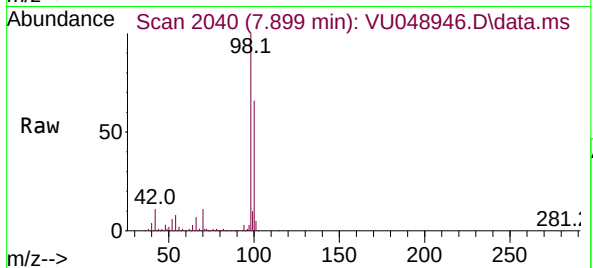
DUP04-20220531DL

Tgt Ion: 98 Resp: 482597

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 39.941 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048946.D

Acq: 08 Jun 2022 06:09

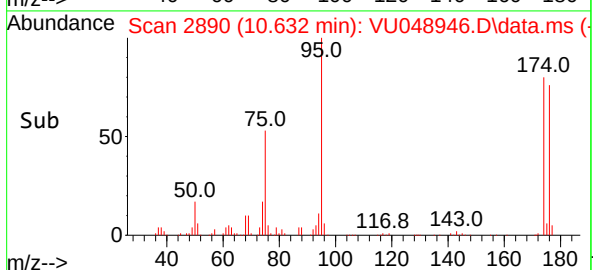
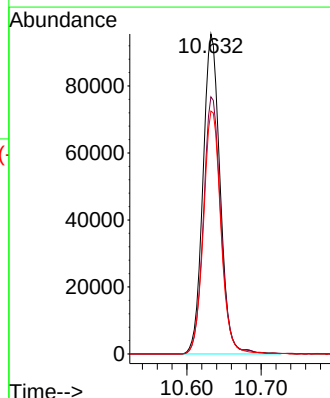
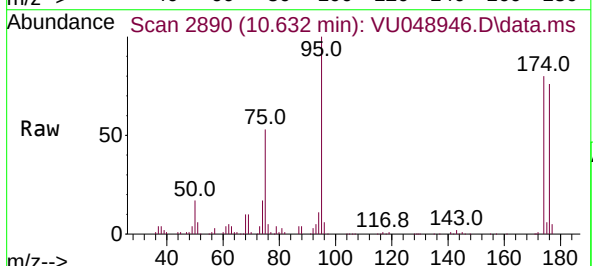
Tgt Ion: 95 Resp: 153259

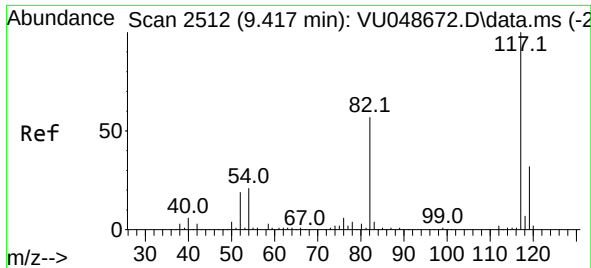
Ion Ratio Lower Upper

95 100

174 81.6 0.0 159.4

176 77.0 0.0 152.4

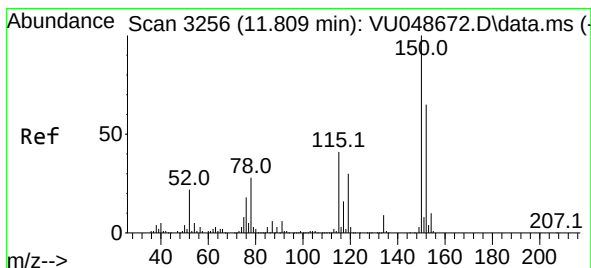
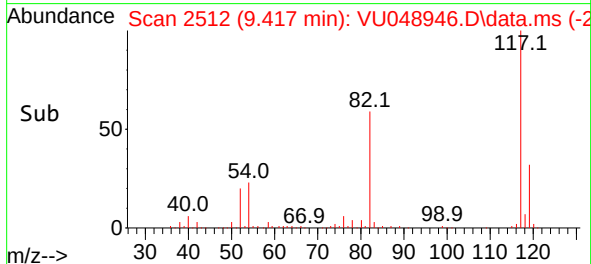
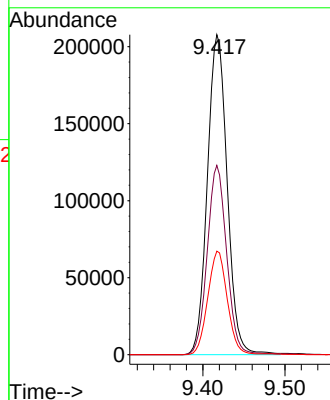
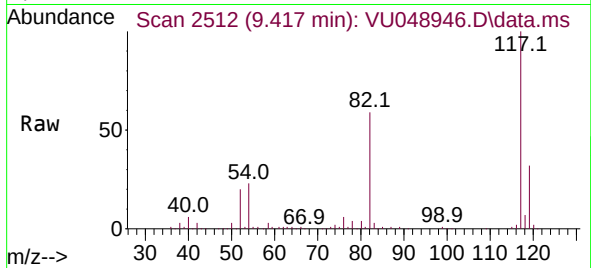




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

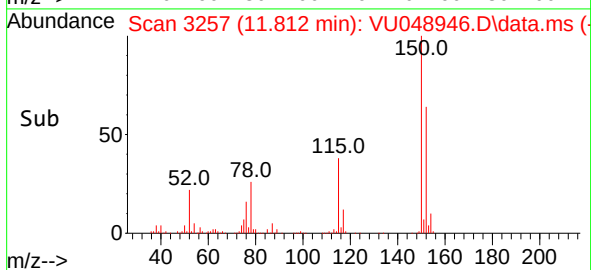
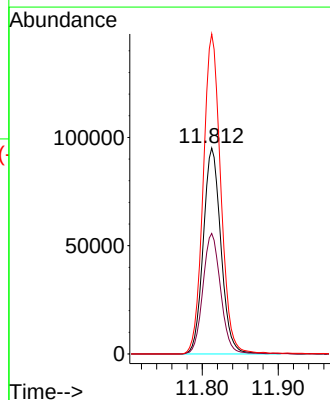
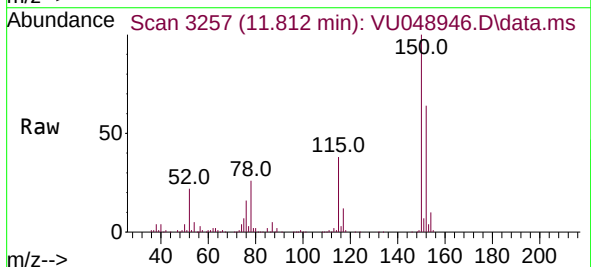
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

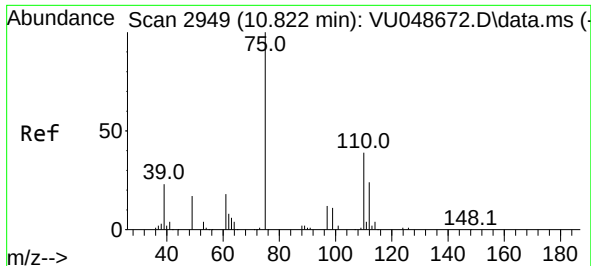
Tgt Ion:117 Resp: 348350
Ion Ratio Lower Upper
117 100
82 59.2 45.3 67.9
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion:152 Resp: 153371
Ion Ratio Lower Upper
152 100
115 58.6 41.8 125.4
150 154.0 0.0 341.0

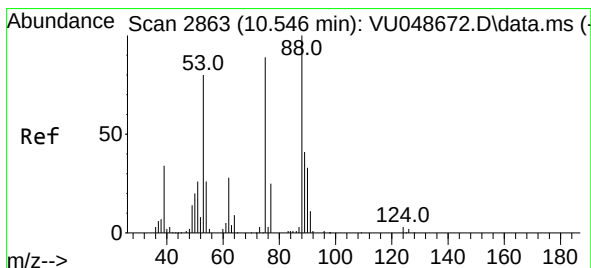
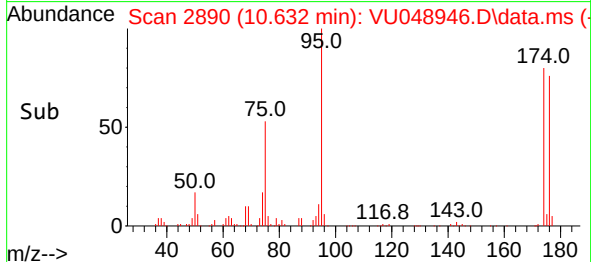
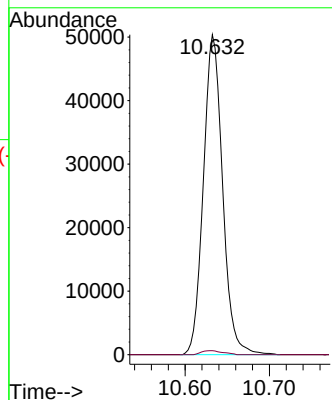
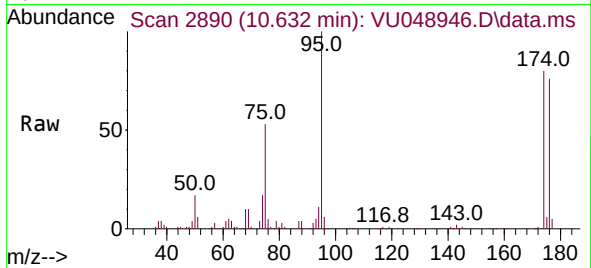




#76
1,2,3-Trichloropropane
Concen: 16.192 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

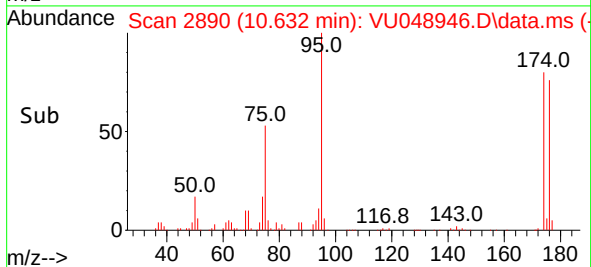
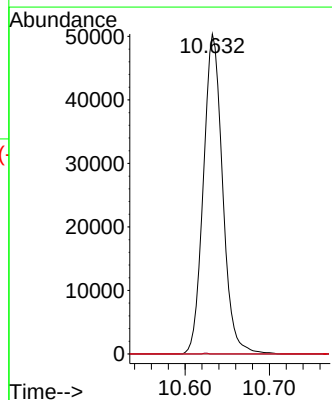
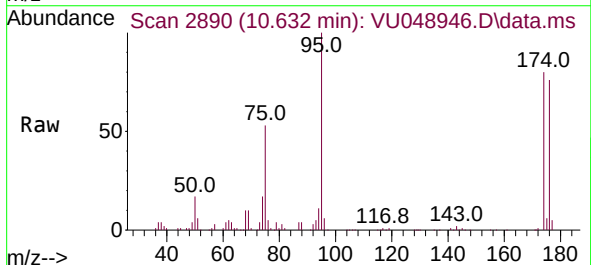
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

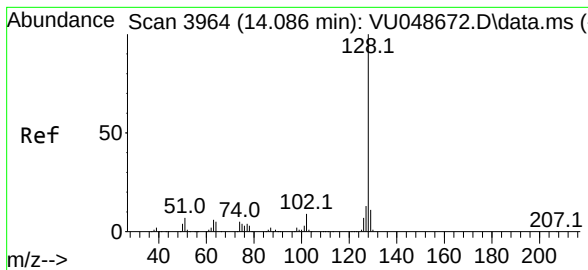
Tgt Ion: 75 Resp: 80071
Ion Ratio Lower Upper
75 100
77 1.4 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.792 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Tgt Ion: 75 Resp: 80071
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.549 ug/l
RT: 14.118 min Scan# 3964
Delta R.T. 0.032 min
Lab File: VU048946.D
Acq: 08 Jun 2022 06:09

Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531DL

Tgt Ion:128 Resp: 202
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

