

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048924.D
 Acq On : 07 Jun 2022 20:56
 Operator : SY/MD
 Sample : N3166-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 33BR-20220601

Quant Time: Jun 08 04:57:15 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)

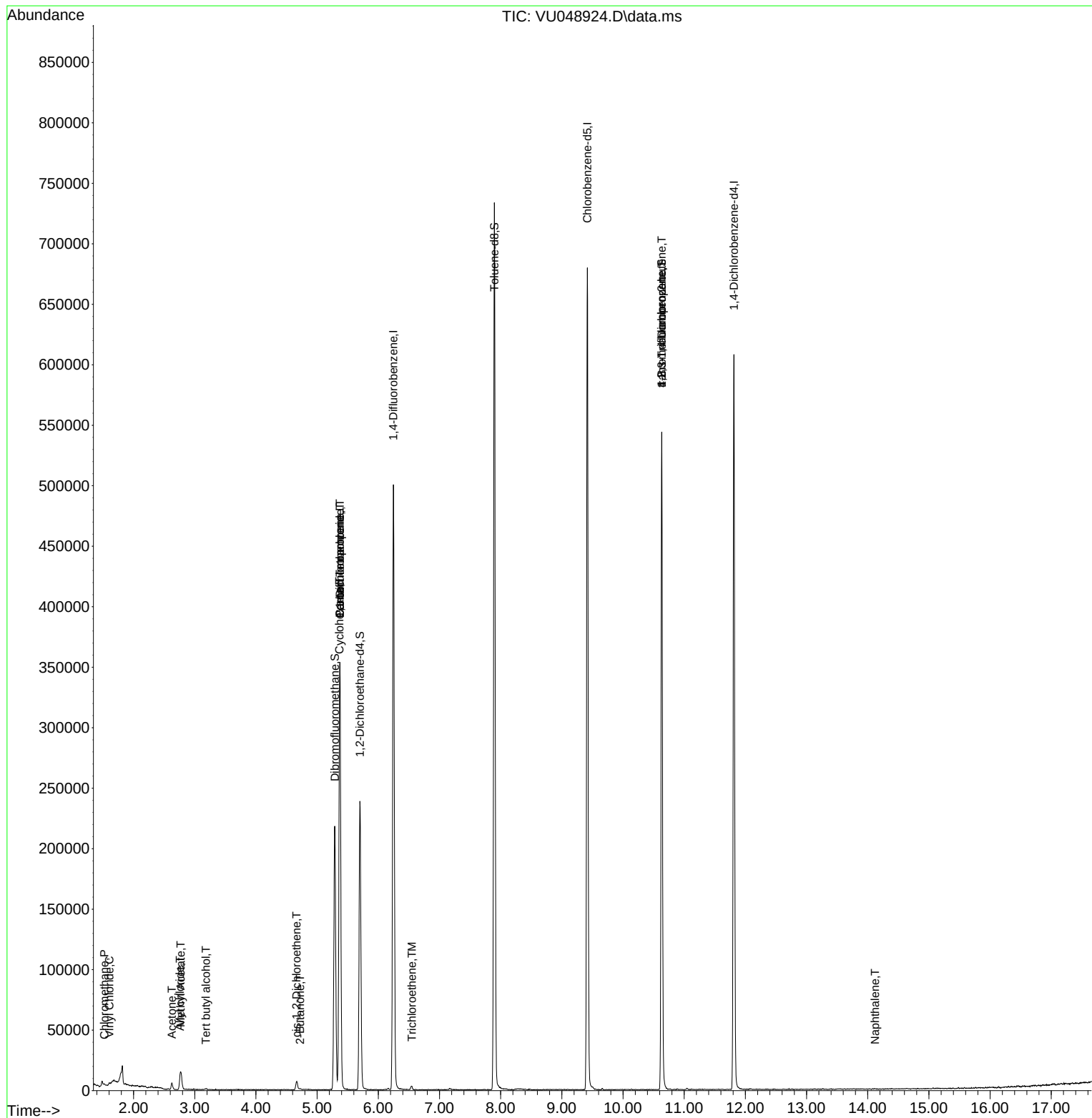
Internal Standards						
1) Pentafluorobenzene	5.372	168	239074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	399557	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	368926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	165094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	183866	51.210	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.420%
35) Dibromofluoromethane	5.289	113	139683	49.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.000%
50) Toluene-d8	7.896	98	481653	47.137	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.280%
62) 4-Bromofluorobenzene	10.632	95	177688	45.981	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.960%
Target Compounds						
						Qvalue
3) Chloromethane	1.523	50	1120	0.318	ug/l	95
4) Vinyl Chloride	1.604	62	1429	0.438	ug/l #	21
5) Bromomethane	1.826	94	207	Below Cal	#	67
6) Chloroethane	1.958	64	151	Below Cal	#	43
11) Tert butyl alcohol	3.183	59	562	0.617	ug/l #	28
14) Allyl chloride	2.758	41	2289	0.486	ug/l #	53
16) Acetone	2.626	43	5738	3.136	ug/l	100
18) Methyl Acetate	2.771	43	5228	1.138	ug/l #	51
25) 2-Butanone	4.719	43	1037	0.395	ug/l	98
27) cis-1,2-Dichloroethene	4.665	96	3900	1.211	ug/l	80
31) Cyclohexane	5.366	56	5273	1.165	ug/l #	8
36) 1,1-Dichloropropene	5.372	75	19381	4.659	ug/l #	49
38) Carbon Tetrachloride	5.372	117	24935	5.224	ug/l #	18
44) Trichloroethene	6.549	130	1441	0.455	ug/l	71
76) 1,2,3-Trichloropropane	10.632	75	92687	17.412	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	92687	63.222	ug/l #	13
95) Naphthalene	14.118	128	414	2.563	ug/l #	69

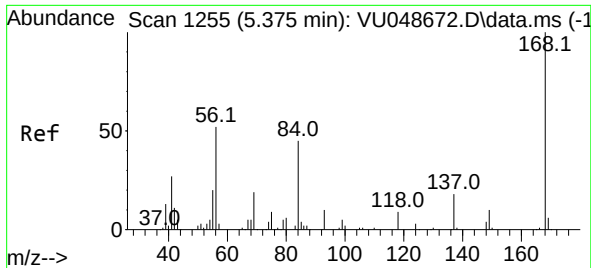
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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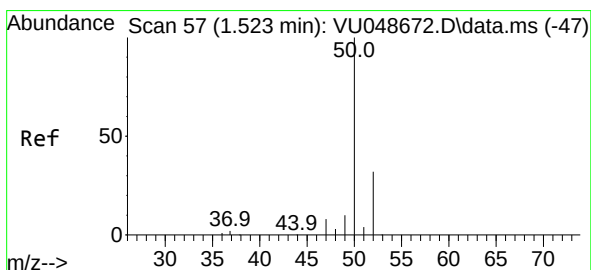
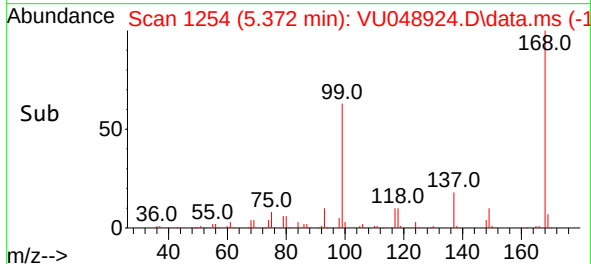
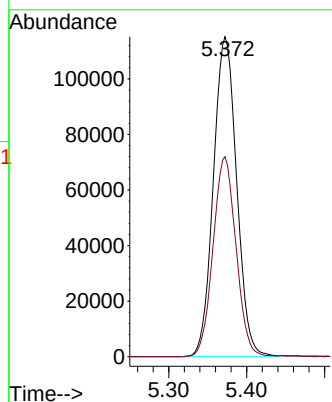
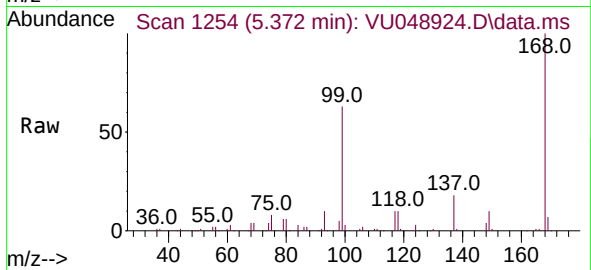




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

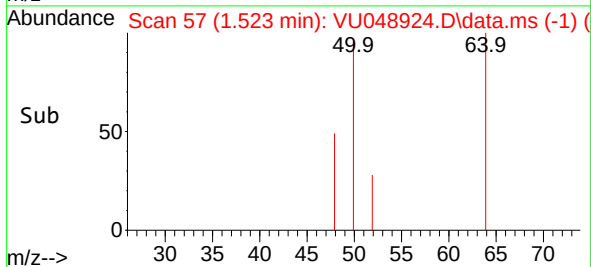
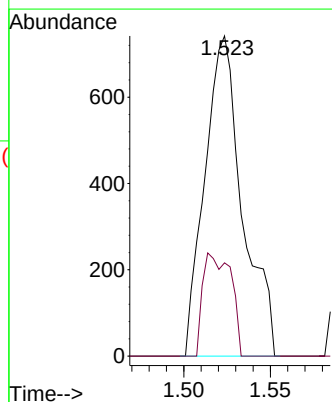
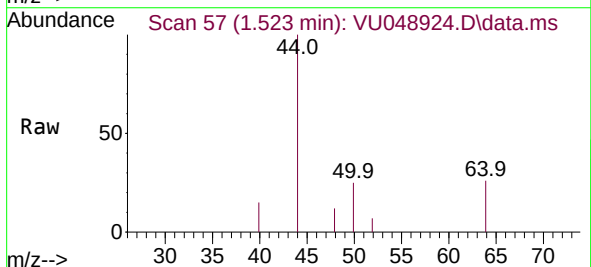
Instrument :
MSVOA_U
ClientSampleId :
33BR-20220601

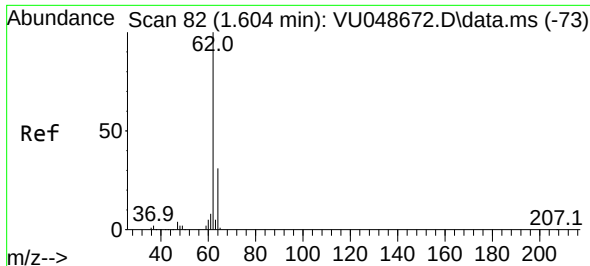
Tgt Ion:168 Resp: 239074
Ion Ratio Lower Upper
168 100
99 62.5 49.3 73.9



#3
Chloromethane
Concen: 0.318 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Tgt Ion: 50 Resp: 1120
Ion Ratio Lower Upper
50 100
52 29.1 25.7 38.5

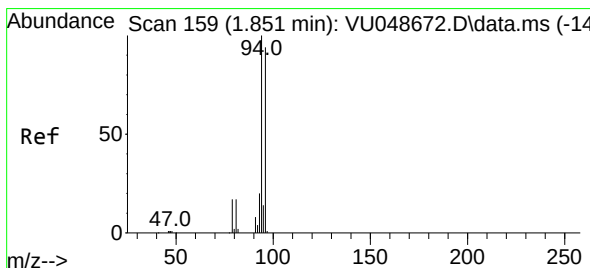
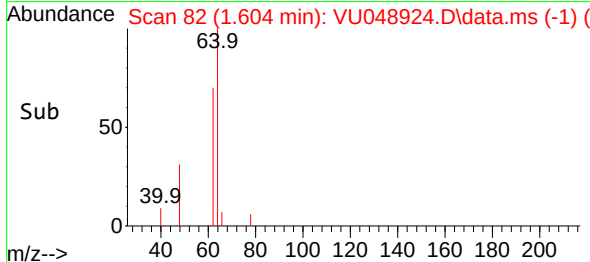
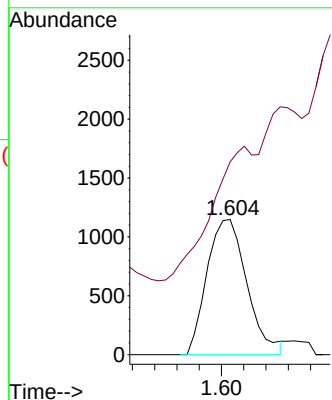
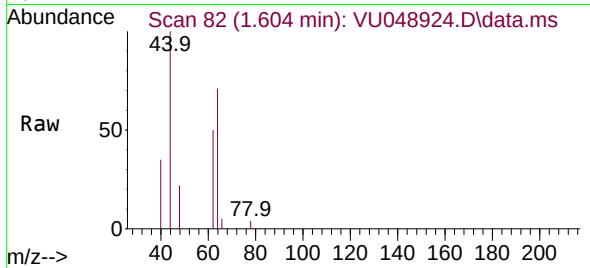




#4
 Vinyl Chloride
 Concen: 0.438 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048924.D
 Acq: 07 Jun 2022 20:56

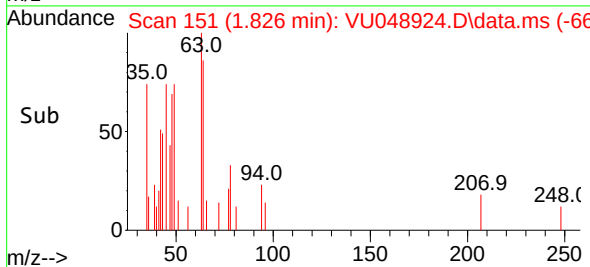
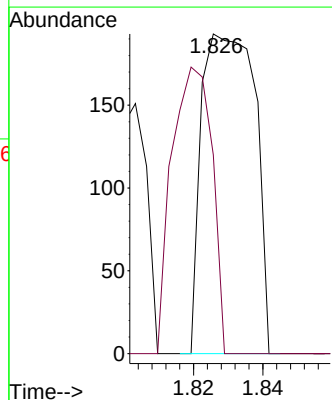
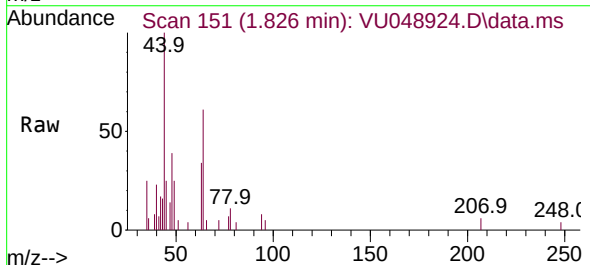
Instrument :
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 ClientSampleId :
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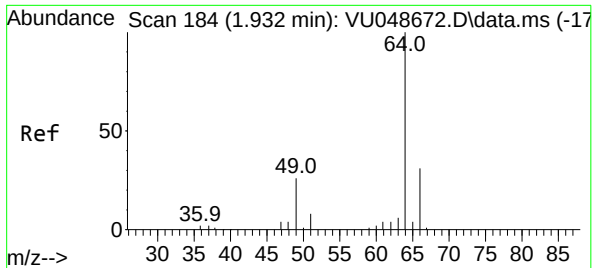
Tgt Ion: 62 Resp: 1429
 Ion Ratio Lower Upper
 62 100
 64 75.3 25.2 37.8#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.826 min Scan# 151
 Delta R.T. -0.025 min
 Lab File: VU048924.D
 Acq: 07 Jun 2022 20:56

Tgt Ion: 94 Resp: 207
 Ion Ratio Lower Upper
 94 100
 96 62.2 75.1 112.7#

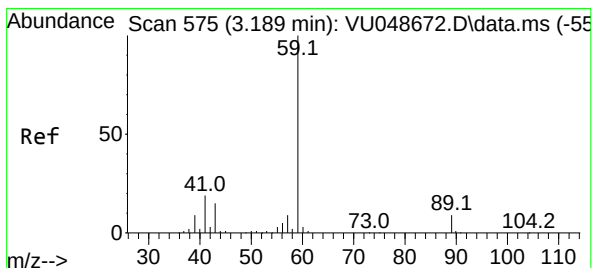
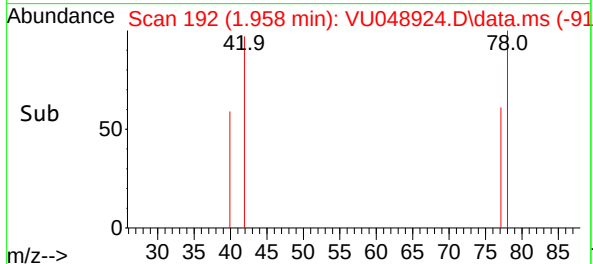
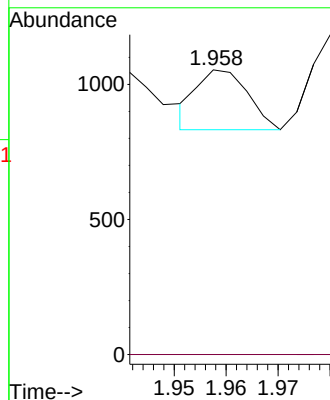
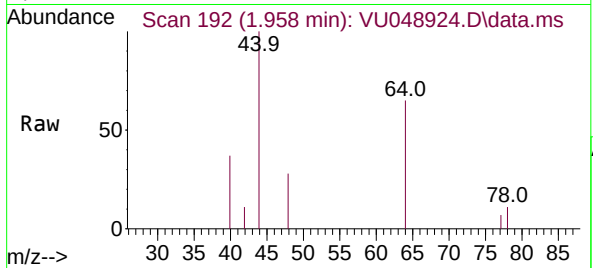




#6
Chloroethane
Concen: Below Cal
RT: 1.958 min Scan# 192
Delta R.T. 0.026 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

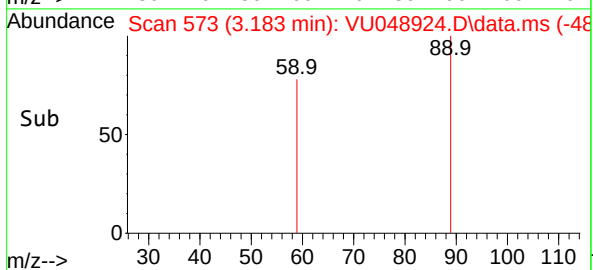
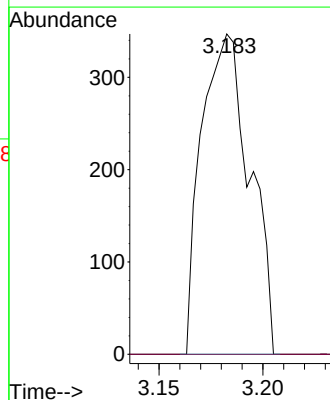
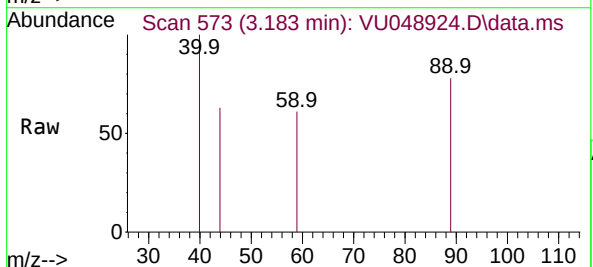
Instrument :
MSVOA_U
ClientSampleId :
33BR-20220601

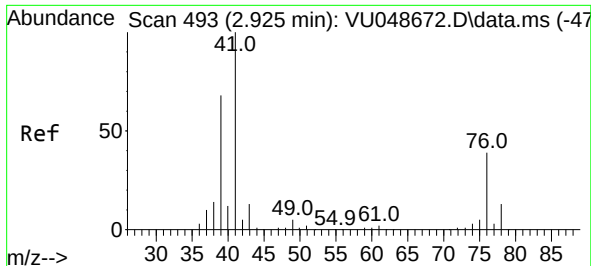
Tgt Ion: 64 Resp: 151
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 0.617 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Tgt Ion: 59 Resp: 562
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

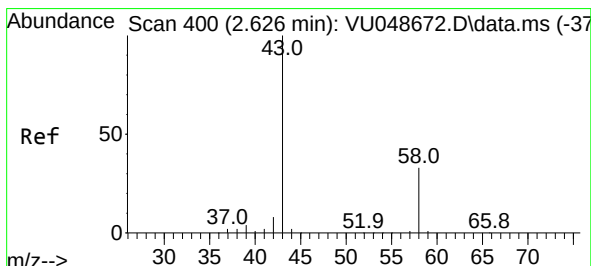
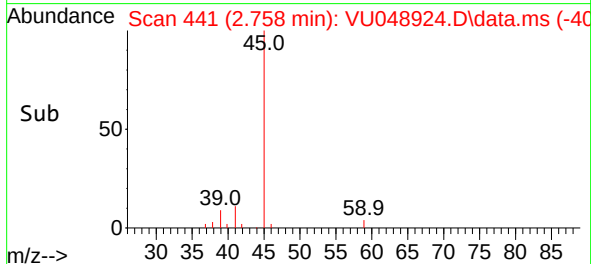
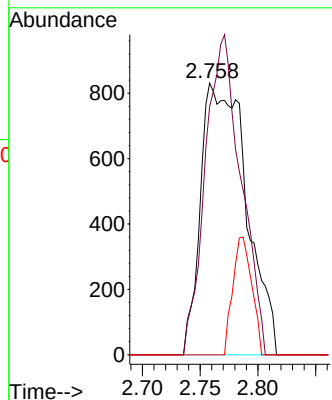
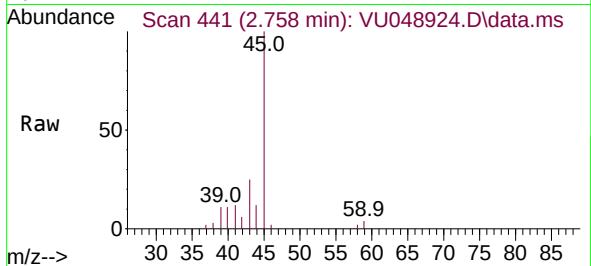




#14
 Allyl chloride
 Concen: 0.486 ug/l
 RT: 2.758 min Scan# 41
 Delta R.T. -0.167 min
 Lab File: VU048924.D
 Acq: 07 Jun 2022 20:56

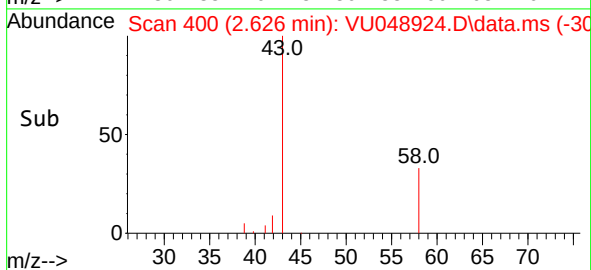
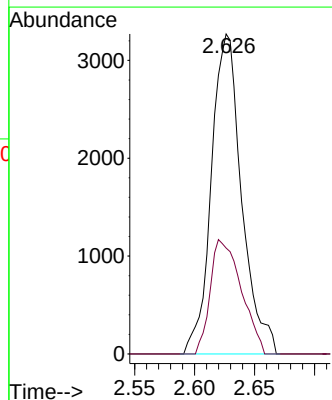
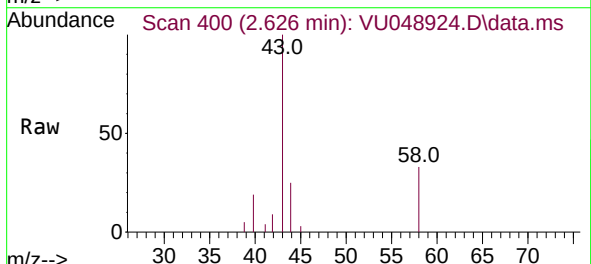
Instrument :
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 ClientSampleId :
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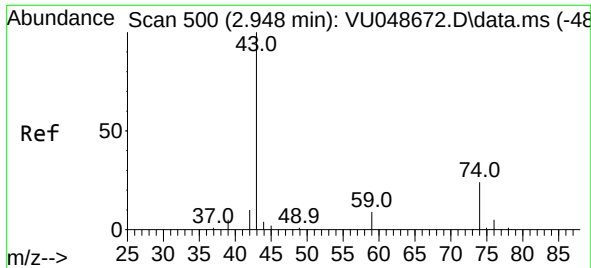
Tgt Ion: 41 Resp: 2289
 Ion Ratio Lower Upper
 41 100
 39 91.7 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 3.136 ug/l
 RT: 2.626 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU048924.D
 Acq: 07 Jun 2022 20:56

Tgt Ion: 43 Resp: 5738
 Ion Ratio Lower Upper
 43 100
 58 33.1 26.3 39.5

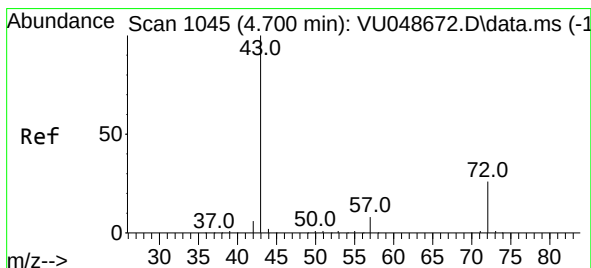
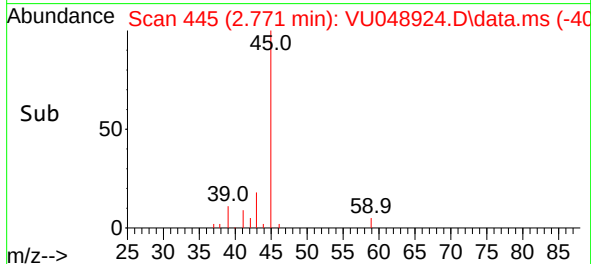
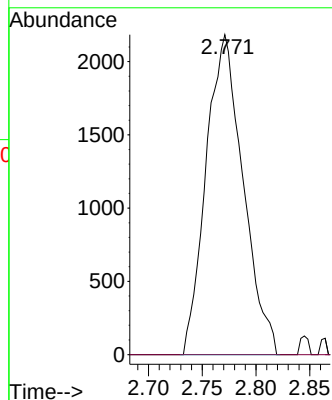
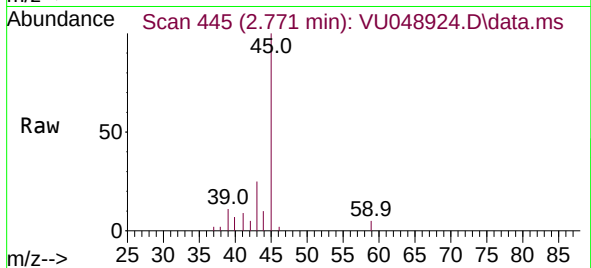




#18
Methyl Acetate
Concen: 1.138 ug/l
RT: 2.771 min Scan# 445
Delta R.T. -0.177 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

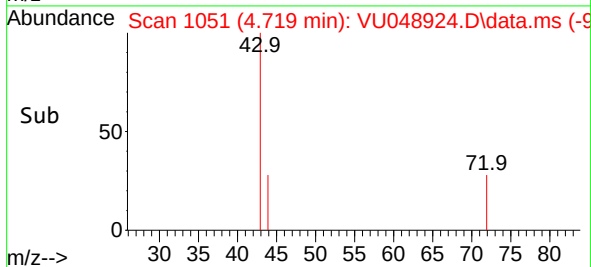
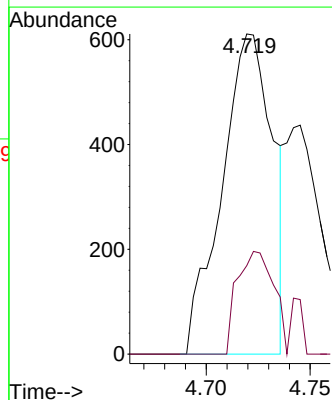
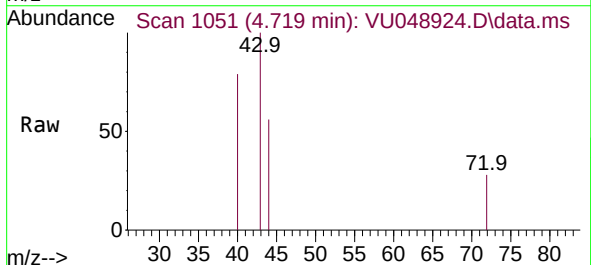
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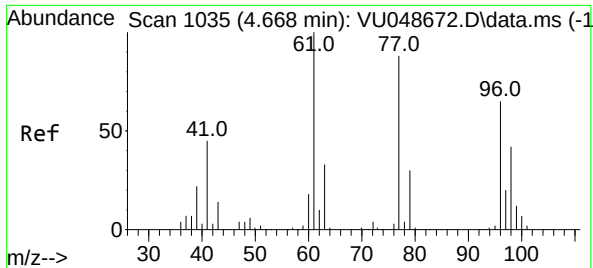
Tgt Ion: 43 Resp: 5228
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 0.395 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
72 27.7 21.1 31.7

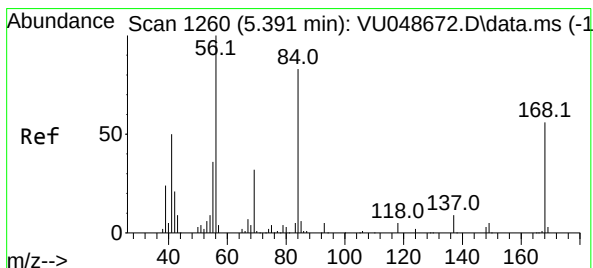
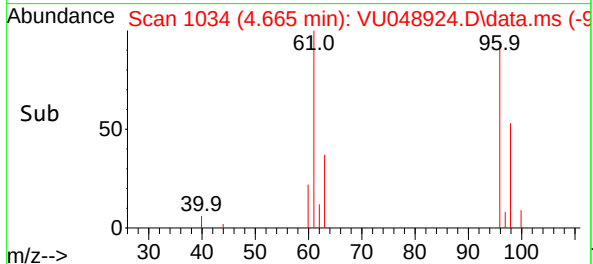
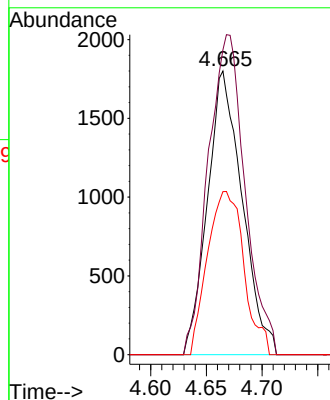
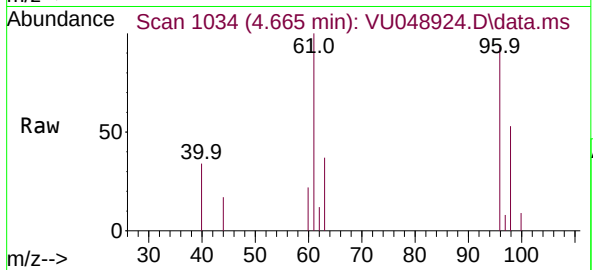




#27
 cis-1,2-Dichloroethene
 Concen: 1.211 ug/l
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU048924.D
 Acq: 07 Jun 2022 20:56

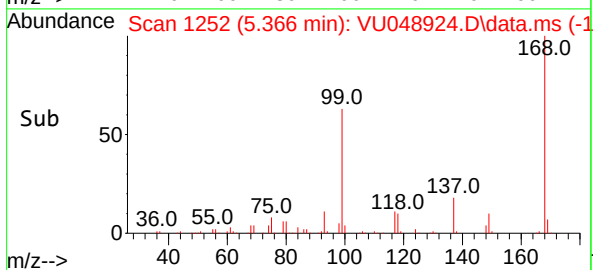
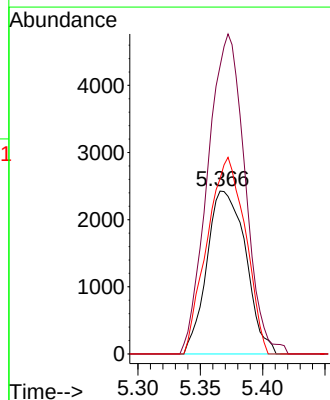
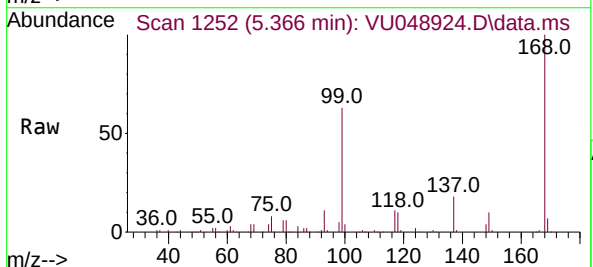
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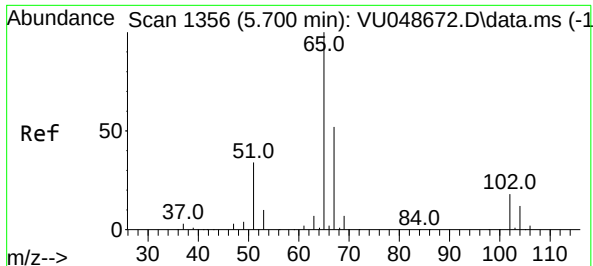
Tgt Ion: 96	Resp:	3900	
Ion	Ratio	Lower	Upper
96	100		
61	119.4	0.0	306.2
98	60.3	0.0	130.4



#31
 Cyclohexane
 Concen: 1.165 ug/l
 RT: 5.366 min Scan# 1252
 Delta R.T. -0.026 min
 Lab File: VU048924.D
 Acq: 07 Jun 2022 20:56

Tgt Ion: 56	Resp:	5273	
Ion	Ratio	Lower	Upper
56	100		
69	176.7	25.6	38.4#
84	107.5	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 51.210 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048924.D

Acq: 07 Jun 2022 20:56

Instrument :

MSVOA_U

ClientSampleId :

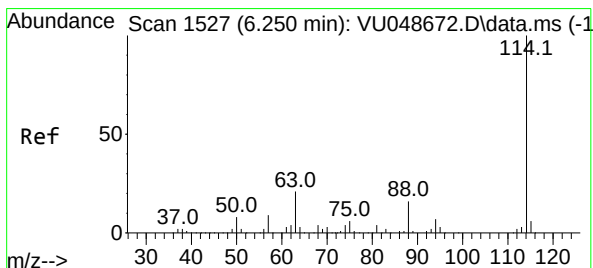
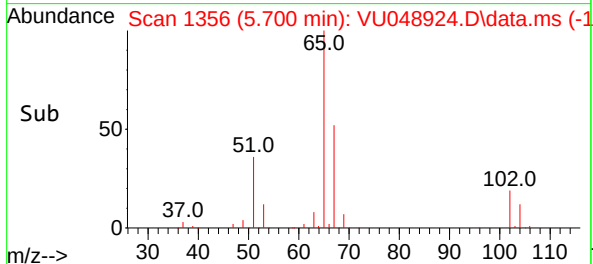
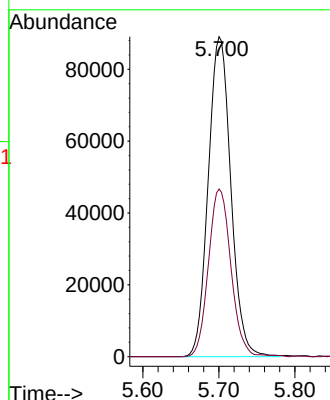
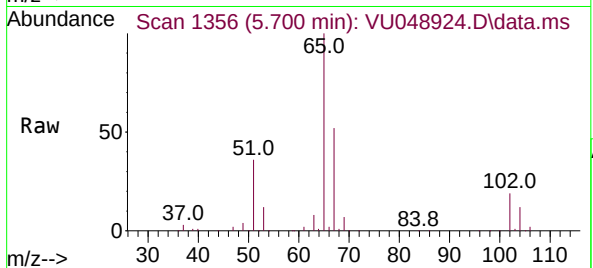
33BR-20220601

Tgt Ion: 65 Resp: 183866

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. -0.003 min

Lab File: VU048924.D

Acq: 07 Jun 2022 20:56

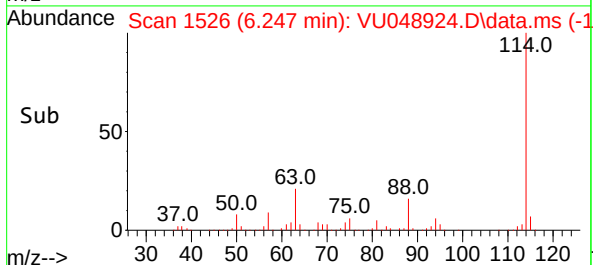
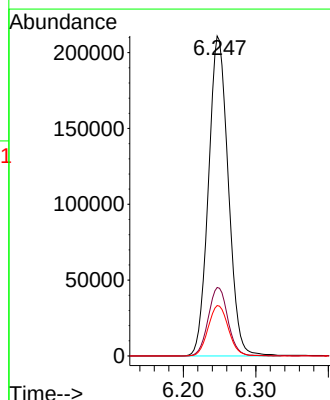
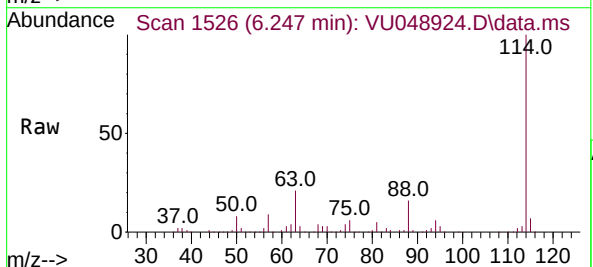
Tgt Ion: 114 Resp: 399557

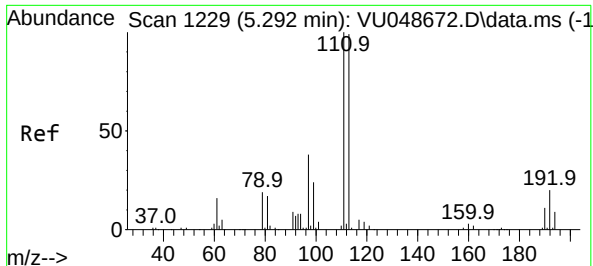
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 15.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.002 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048924.D

Acq: 07 Jun 2022 20:56

Instrument :

MSVOA_U

ClientSampleId :

33BR-20220601

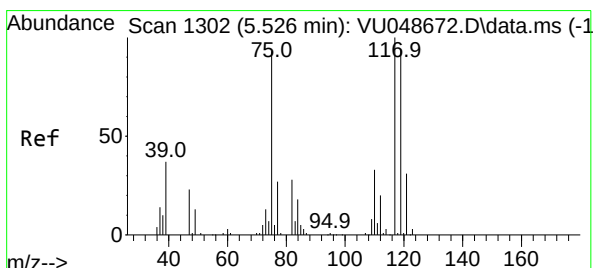
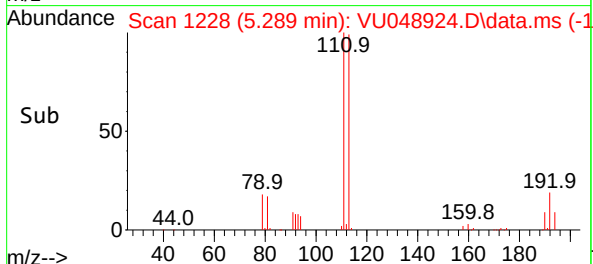
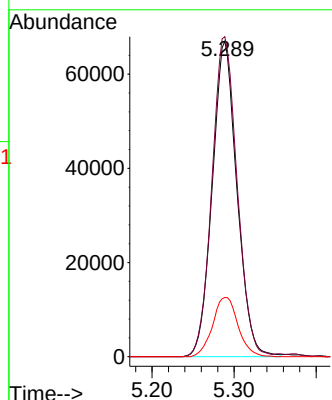
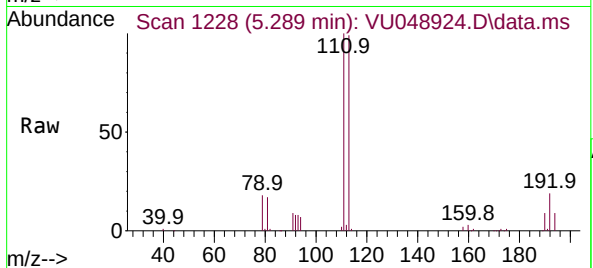
Tgt Ion:113 Resp: 139683

Ion Ratio Lower Upper

113 100

111 103.7 80.7 121.1

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.659 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048924.D

Acq: 07 Jun 2022 20:56

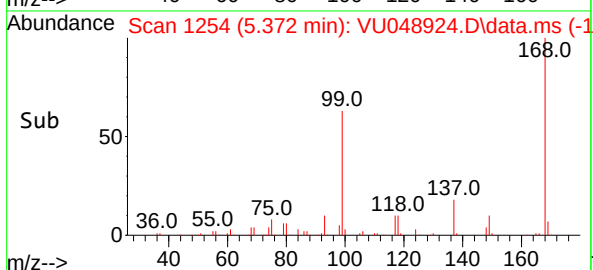
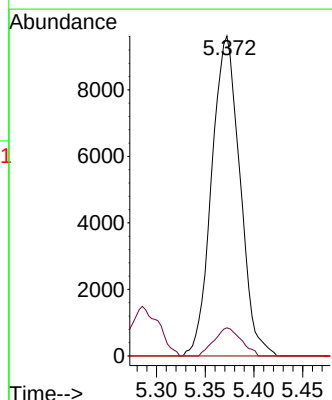
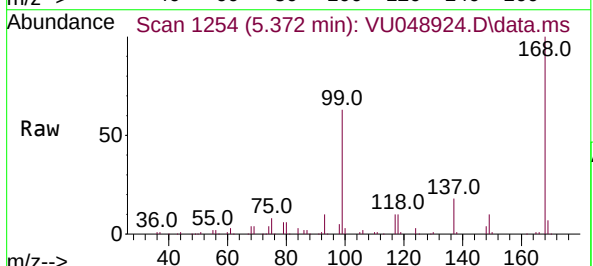
Tgt Ion: 75 Resp: 19381

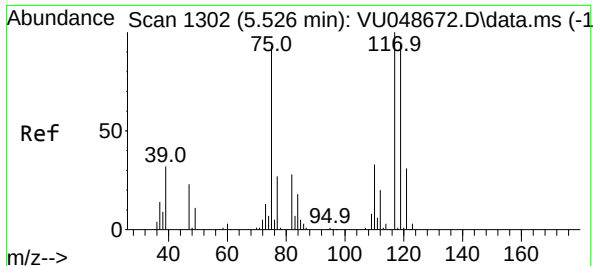
Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.3#

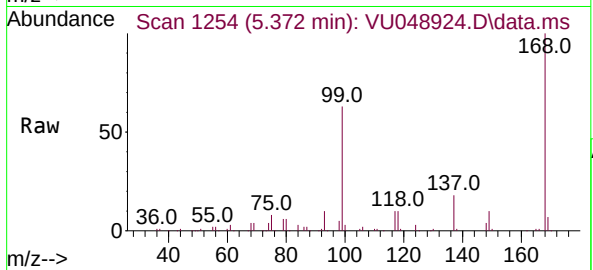
77 0.0 24.8 37.2#



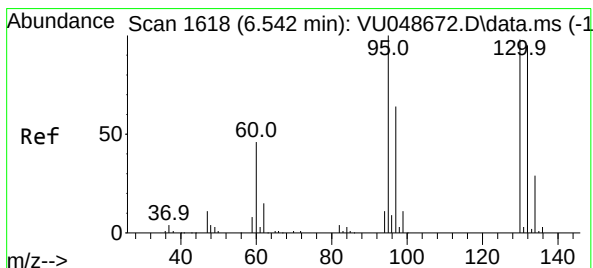
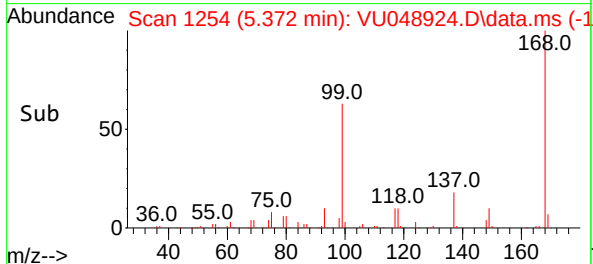
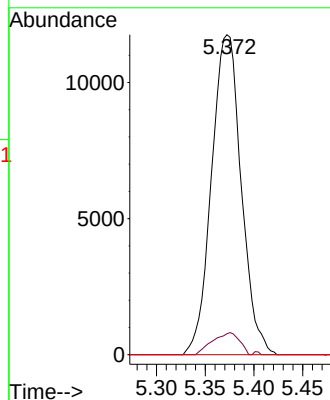


#38
Carbon Tetrachloride
Concen: 5.224 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Instrument :
MSVOA_U
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33BR-20220601

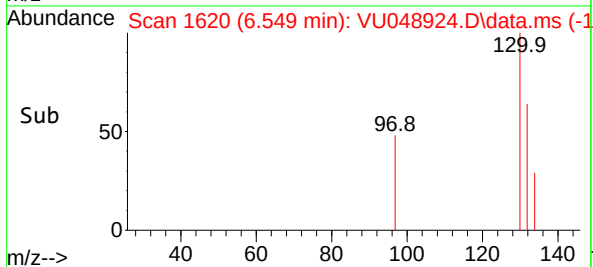
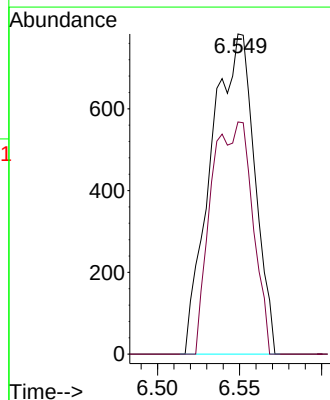
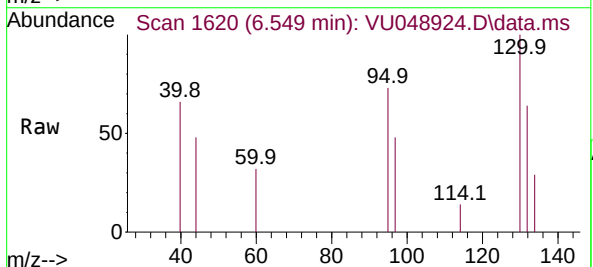


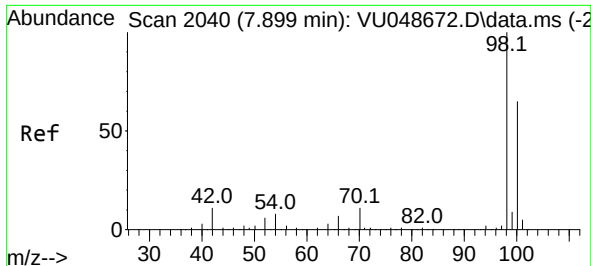
Tgt Ion:117 Resp: 24935
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 0.455 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.007 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Tgt Ion:130 Resp: 1441
Ion Ratio Lower Upper
130 100
95 72.5 0.0 204.8

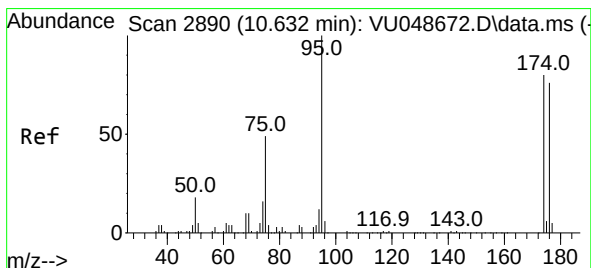
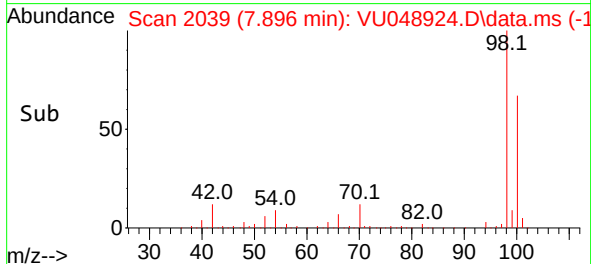
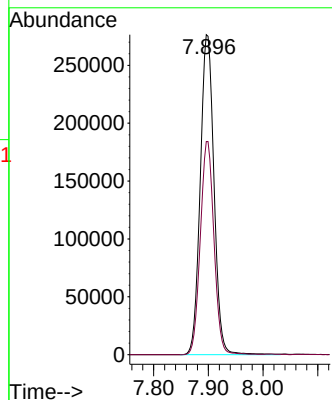
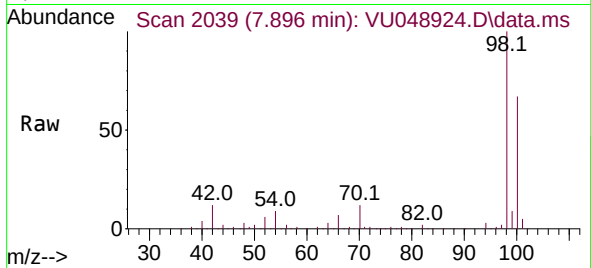




#50
Toluene-d8
Concen: 47.137 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

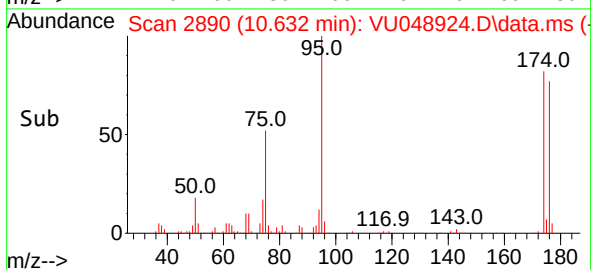
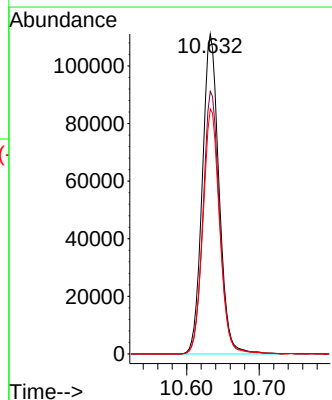
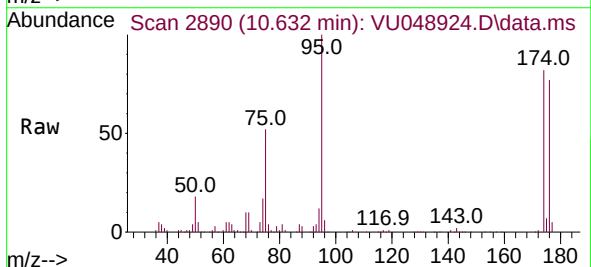
Instrument :
MSVOA_U
ClientSampleId :
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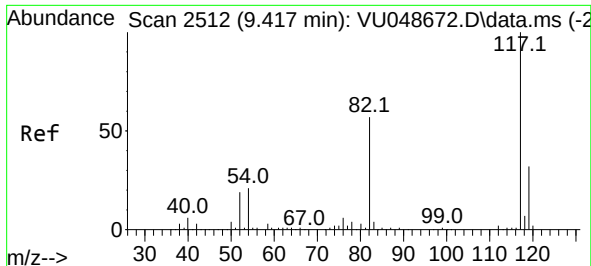
Tgt Ion: 98 Resp: 481653
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.981 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Tgt Ion: 95 Resp: 177688
Ion Ratio Lower Upper
95 100
174 81.6 0.0 159.4
176 76.5 0.0 152.4

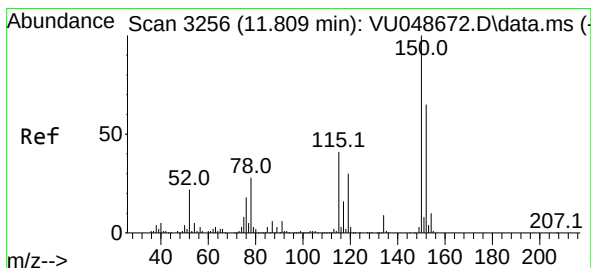
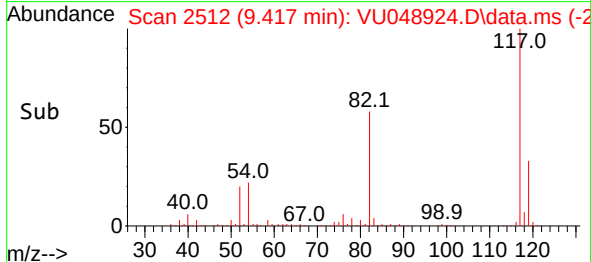
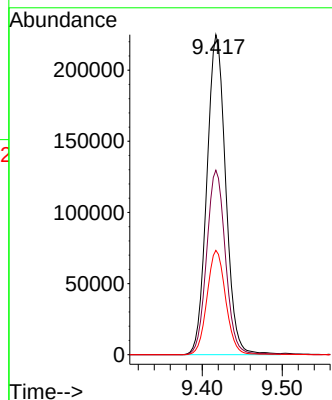
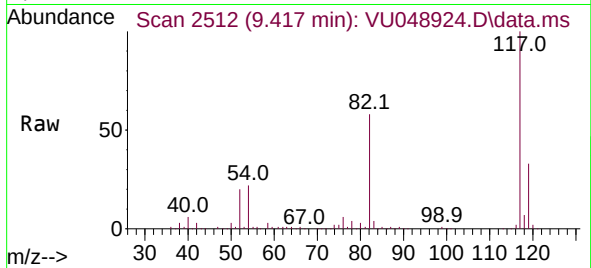




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

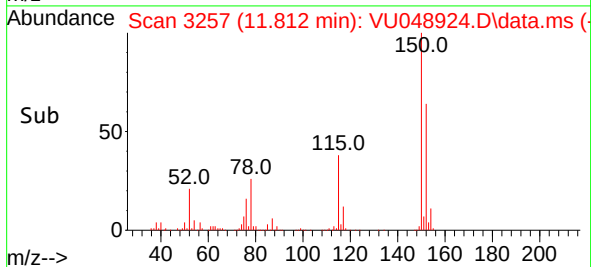
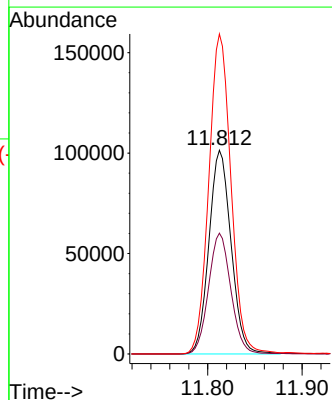
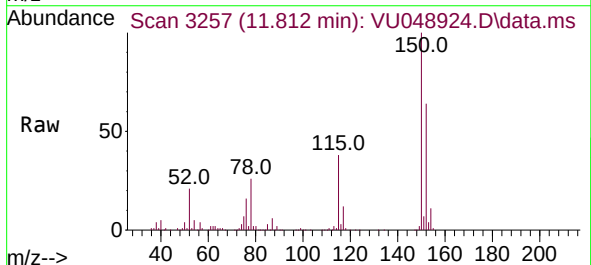
Instrument :
MSVOA_U
ClientSampleId :
33BR-20220601

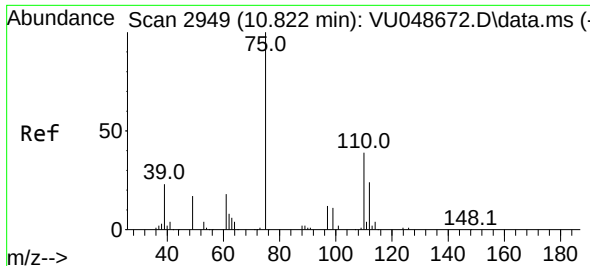
Tgt Ion:117 Resp: 368926
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Tgt Ion:152 Resp: 165094
Ion Ratio Lower Upper
152 100
115 59.5 41.8 125.4
150 156.8 0.0 341.0

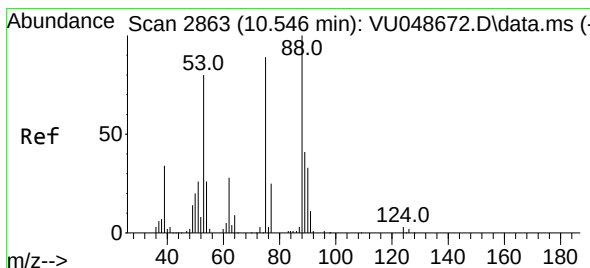
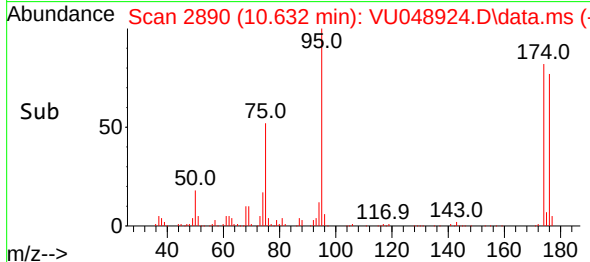
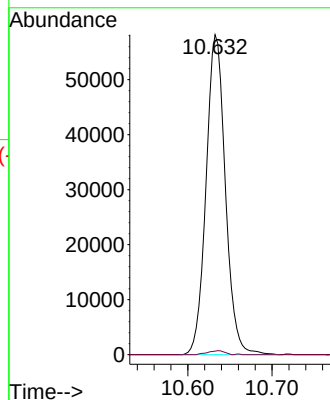
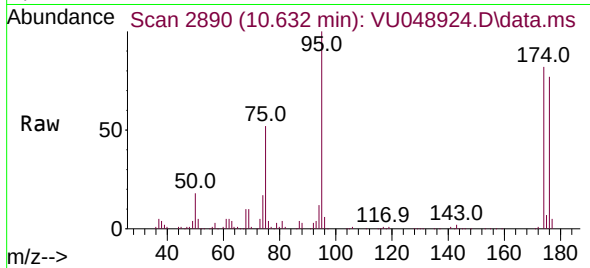




#76
1,2,3-Trichloropropane
Concen: 17.412 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

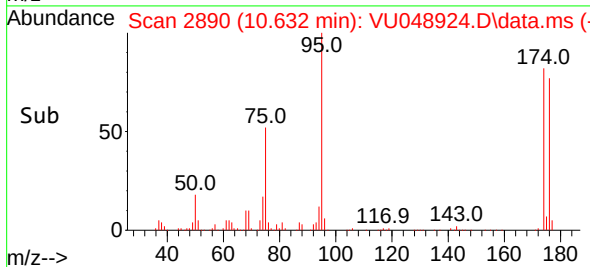
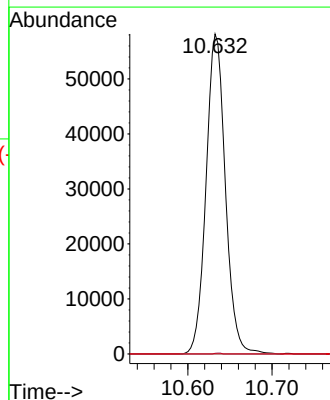
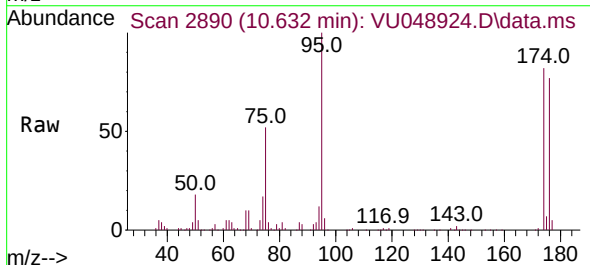
Instrument :
MSVOA_U
ClientSampleId :
33BR-20220601

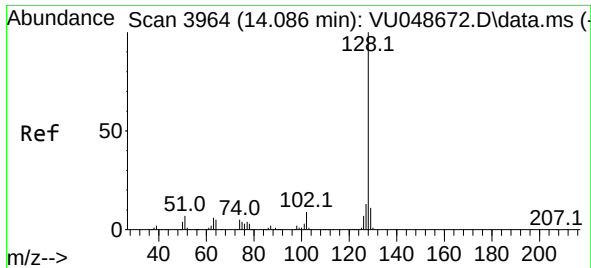
Tgt Ion: 75 Resp: 92687
Ion Ratio Lower Upper
75 100
77 1.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.222 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

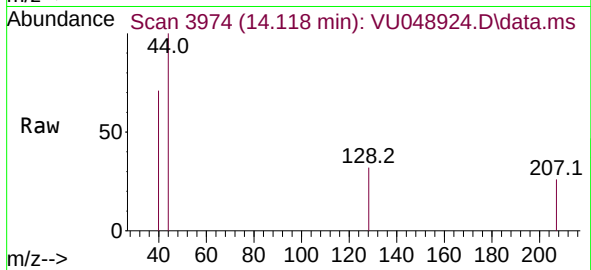
Tgt Ion: 75 Resp: 92687
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.563 ug/l
RT: 14.118 min Scan# 3974
Delta R.T. 0.032 min
Lab File: VU048924.D
Acq: 07 Jun 2022 20:56

Instrument :
MSVOA_U
ClientSampleId :
33BR-20220601



Tgt Ion:128 Resp: 414
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

