

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048940.D
 Acq On : 08 Jun 2022 03:48
 Operator : SY/MD
 Sample : N3166-08 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP05-20220531

Quant Time: Jun 08 09:16:36 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)

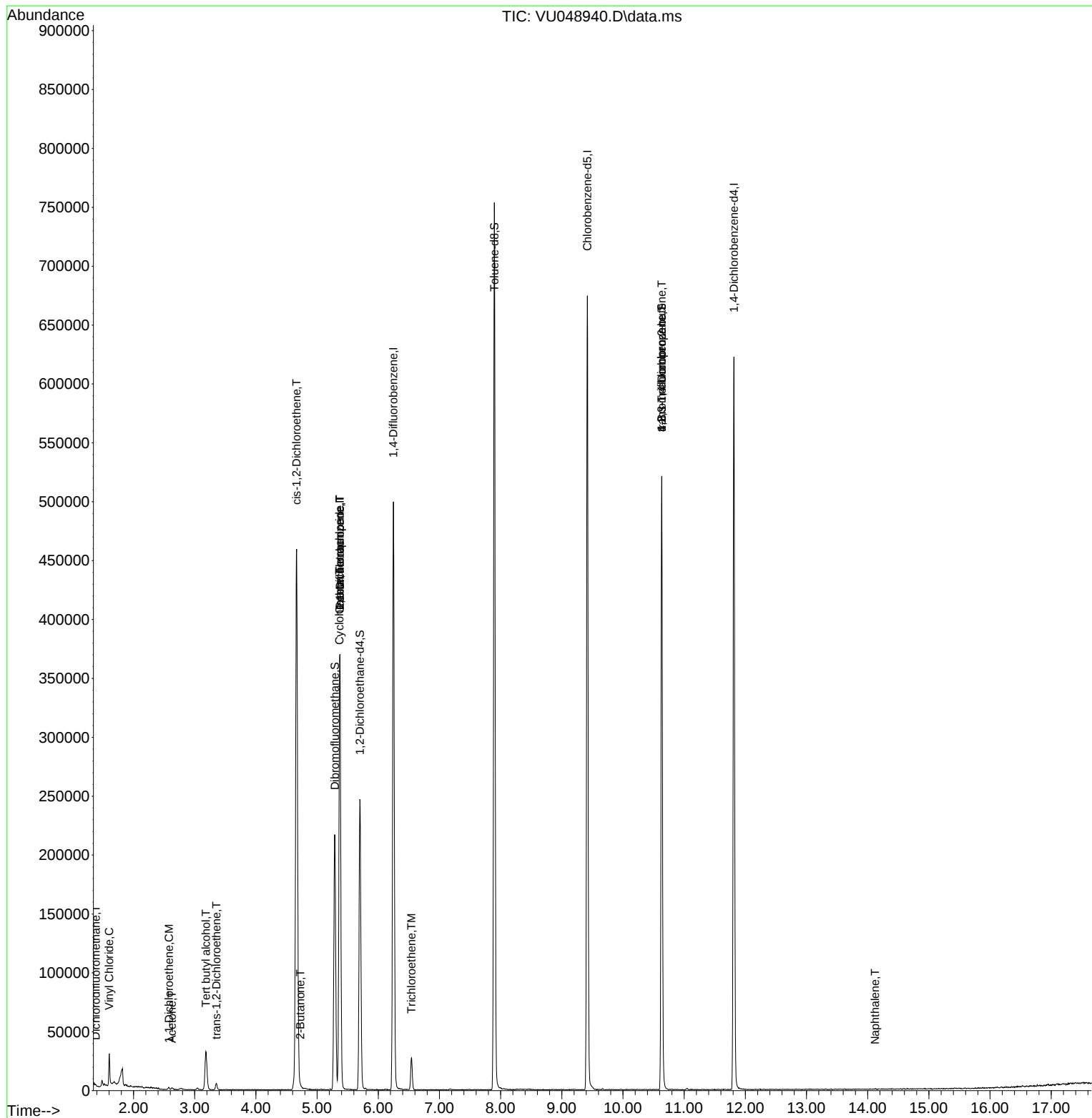
Internal Standards						
1) Pentafluorobenzene	5.372	168	251730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	400735	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	362664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	168332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	188935	49.976	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.960%
35) Dibromofluoromethane	5.289	113	141001	49.319	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.640%
50) Toluene-d8	7.896	98	495232	48.324	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.640%
62) 4-Bromofluorobenzene	10.633	95	169994	43.860	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.720%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	613	0.213	ug/l	81
4) Vinyl Chloride	1.601	62	17428	5.072	ug/l	92
5) Bromomethane	1.836	94	108	Below Cal		94
6) Chloroethane	1.938	64	65	Below Cal	#	43
11) Tert butyl alcohol	3.183	59	19647	20.498	ug/l #	29
12) 1,1-Dichloroethene	2.578	96	635	0.248	ug/l	84
16) Acetone	2.627	43	1609	0.835	ug/l	90
21) trans-1,2-Dichloroethene	3.353	96	2632	0.898	ug/l #	84
25) 2-Butanone	4.726	43	1687	0.610	ug/l #	53
27) cis-1,2-Dichloroethene	4.665	96	238661	70.354	ug/l	88
31) Cyclohexane	5.366	56	4944	1.038	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20973	5.026	ug/l #	49
38) Carbon Tetrachloride	5.369	117	26792	5.597	ug/l #	16
44) Trichloroethene	6.543	130	9500	2.993	ug/l	94
76) 1,2,3-Trichloropropane	10.633	75	88686	16.340	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.633	75	88686	59.330	ug/l #	13
95) Naphthalene	14.118	128	197	2.547	ug/l #	69

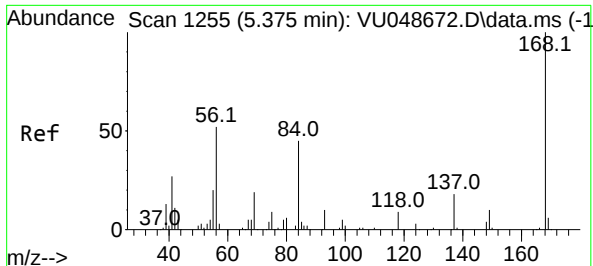
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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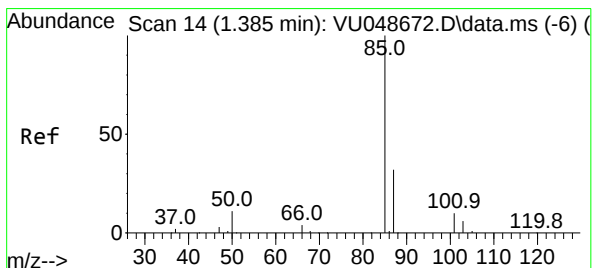
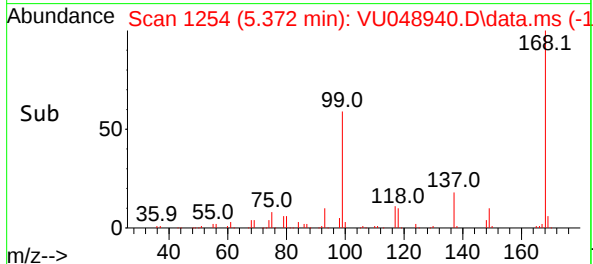
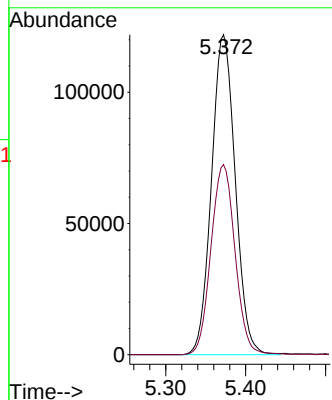
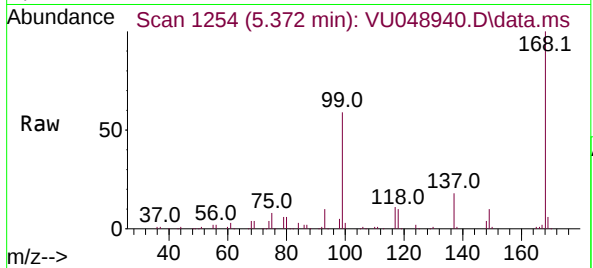




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

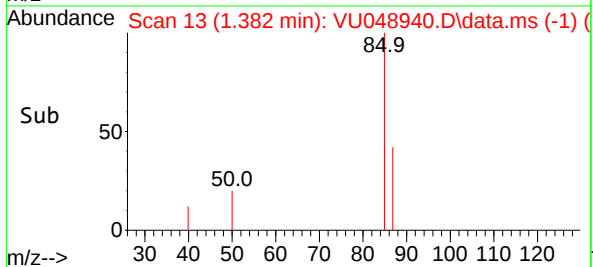
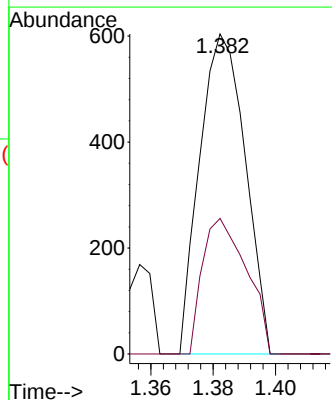
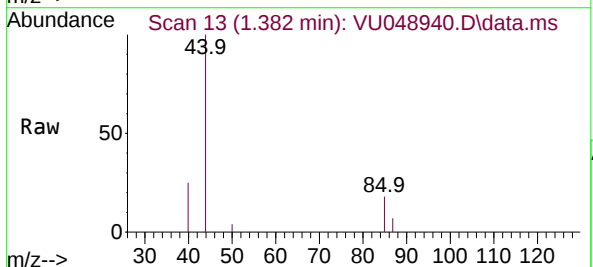
Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531

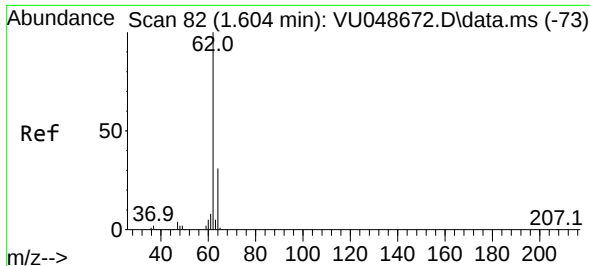
Tgt Ion:168 Resp: 251730
Ion Ratio Lower Upper
168 100
99 59.4 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 0.213 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.003 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Tgt Ion: 85 Resp: 613
Ion Ratio Lower Upper
85 100
87 42.4 16.0 48.0

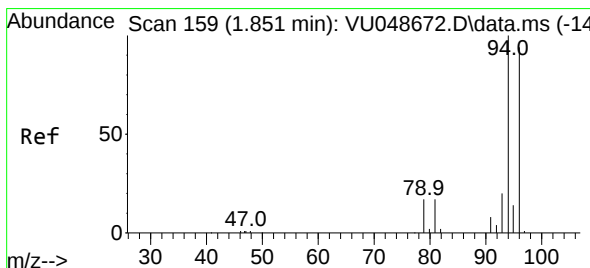
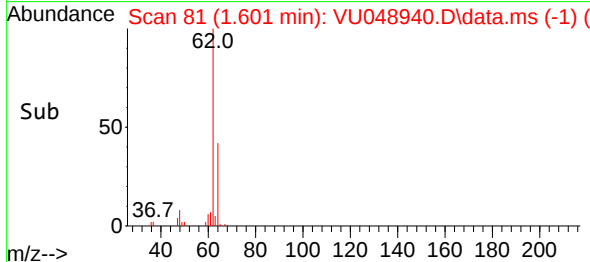
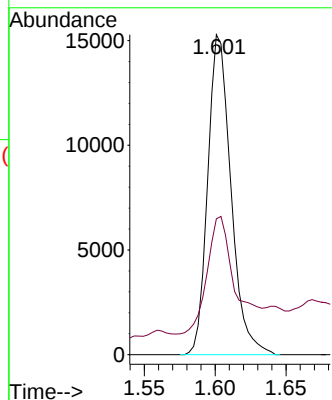
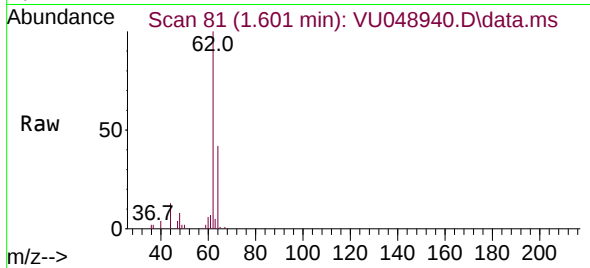




#4
 Vinyl Chloride
 Concen: 5.072 ug/l
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048940.D
 Acq: 08 Jun 2022 03:48

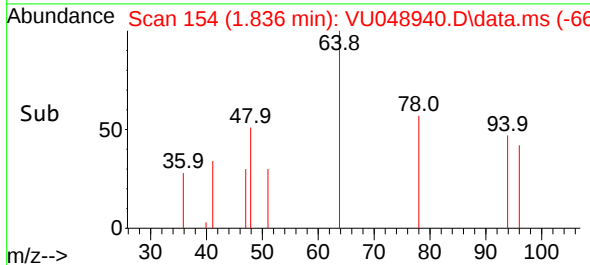
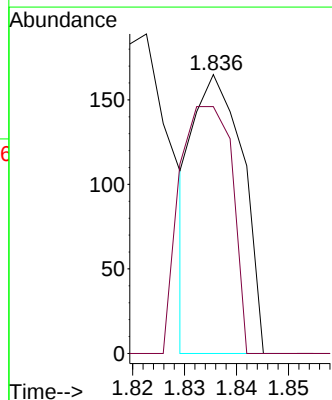
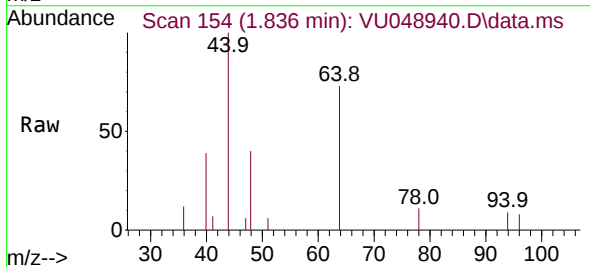
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP05-20220531

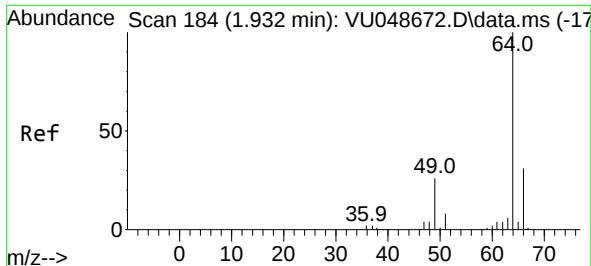
Tgt Ion: 62 Resp: 17428
 Ion Ratio Lower Upper
 62 100
 64 36.0 25.2 37.8



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.836 min Scan# 154
 Delta R.T. -0.015 min
 Lab File: VU048940.D
 Acq: 08 Jun 2022 03:48

Tgt Ion: 94 Resp: 108
 Ion Ratio Lower Upper
 94 100
 96 88.5 75.1 112.7

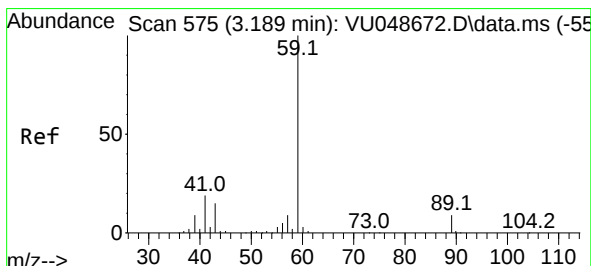
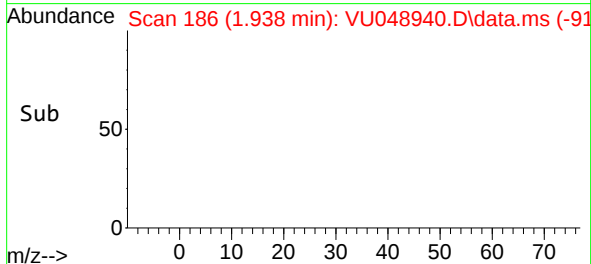
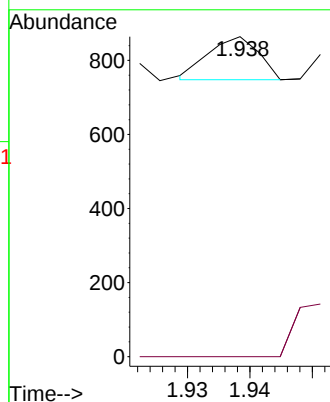
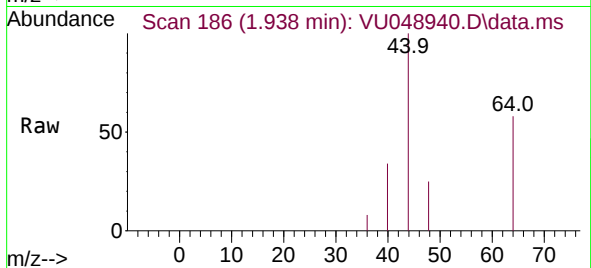




#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

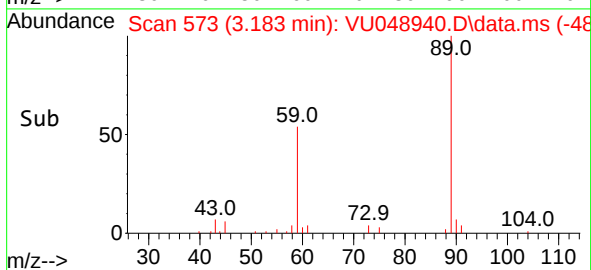
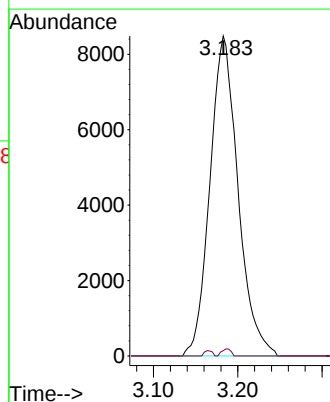
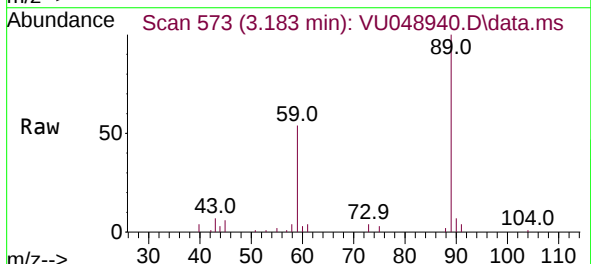
Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531

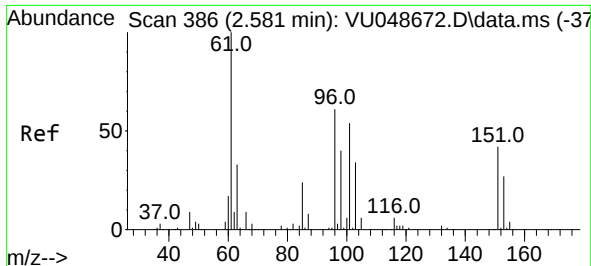
Tgt Ion: 64 Resp: 65
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 20.498 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Tgt Ion: 59 Resp: 19647
Ion Ratio Lower Upper
59 100
57 0.7 39.7 59.5#





#12

1,1-Dichloroethene

Concen: 0.248 ug/l

RT: 2.578 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU048940.D

Acq: 08 Jun 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

DUP05-20220531

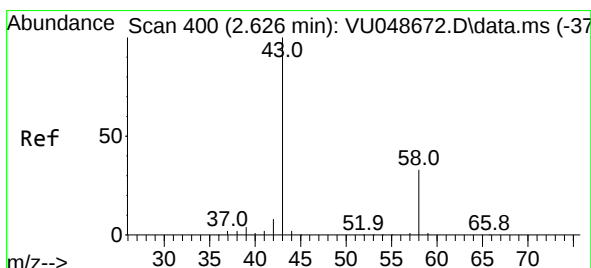
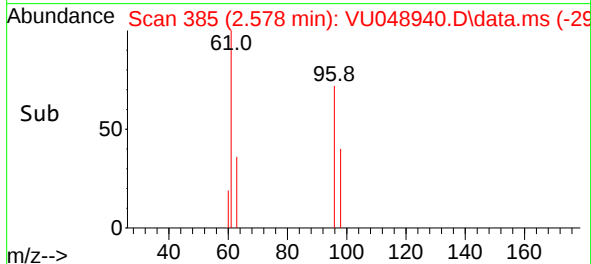
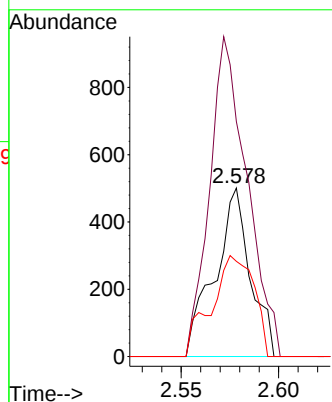
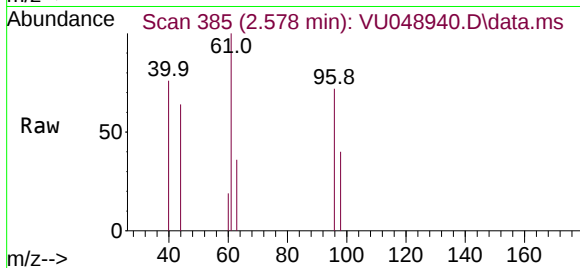
Tgt Ion: 96 Resp: 635

Ion Ratio Lower Upper

96 100

61 139.5 131.1 196.7

98 56.5 51.8 77.8



#16

Acetone

Concen: 0.835 ug/l

RT: 2.627 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048940.D

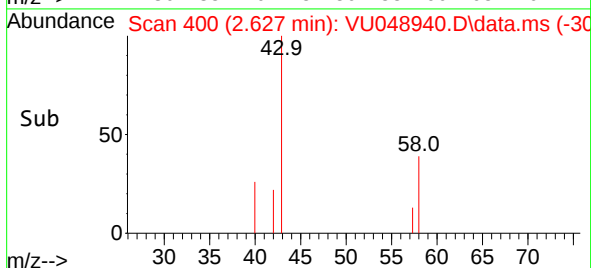
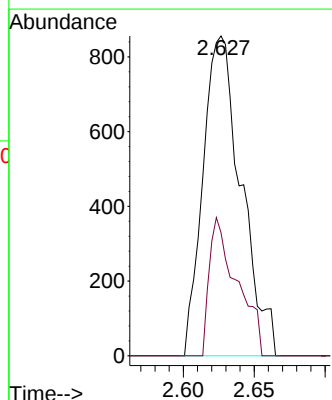
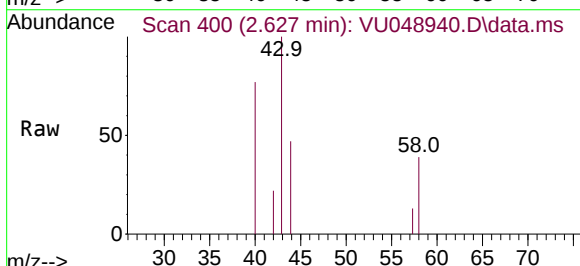
Acq: 08 Jun 2022 03:48

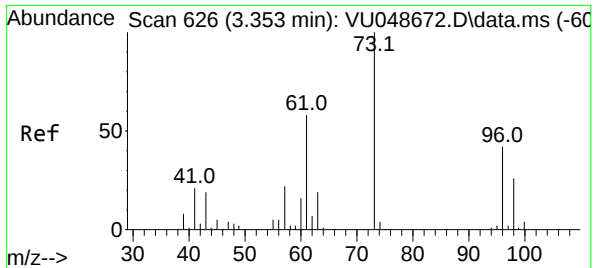
Tgt Ion: 43 Resp: 1609

Ion Ratio Lower Upper

43 100

58 38.6 26.3 39.5

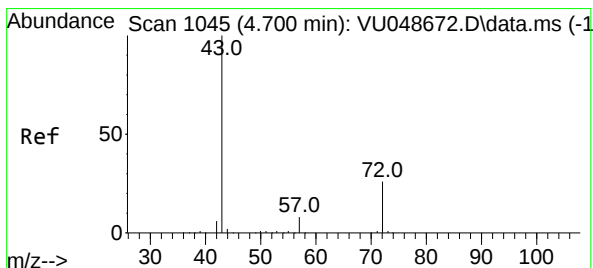
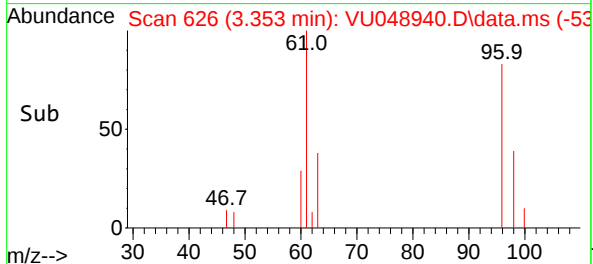
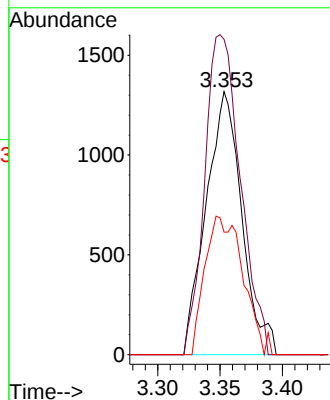
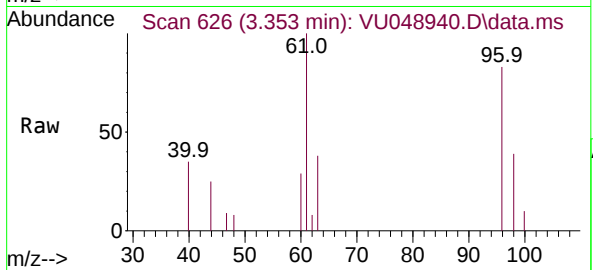




#21
trans-1,2-Dichloroethene
Concen: 0.898 ug/l
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

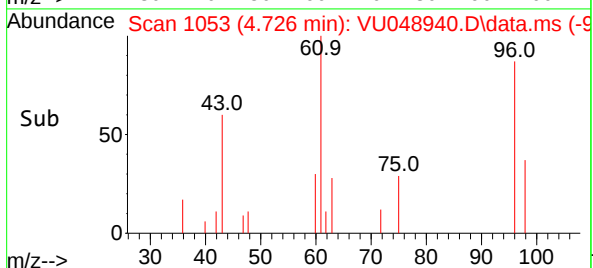
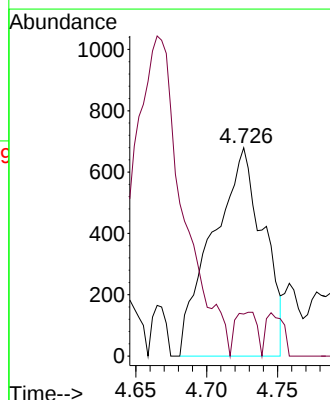
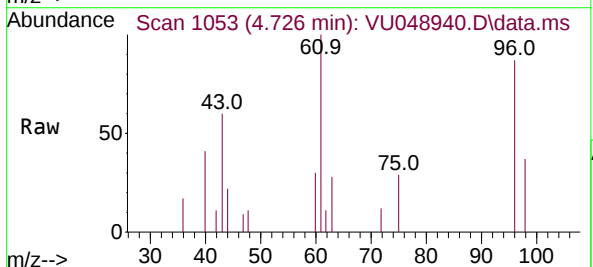
Instrument :
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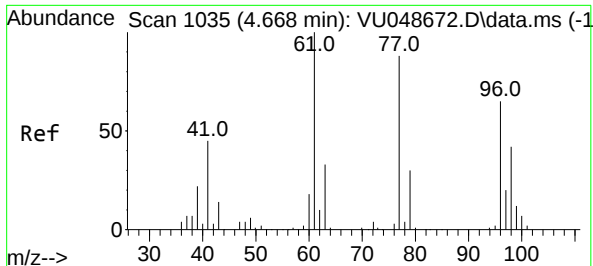
Tgt Ion: 96 Resp: 2632
Ion Ratio Lower Upper
96 100
61 119.9 109.4 164.2
98 46.6 48.9 73.3#



#25
2-Butanone
Concen: 0.610 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.026 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Tgt Ion: 43 Resp: 1687
Ion Ratio Lower Upper
43 100
72 2.2 21.1 31.7#



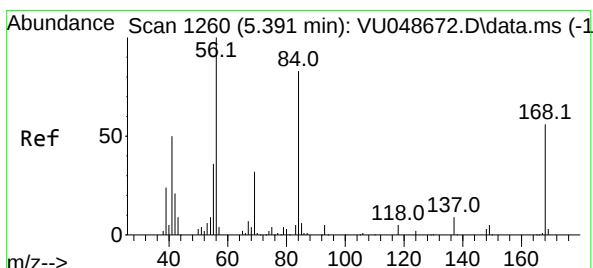
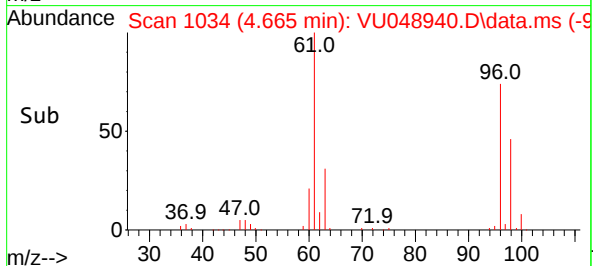
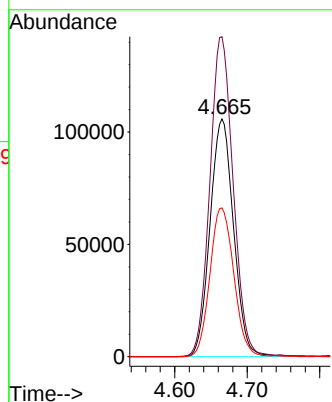
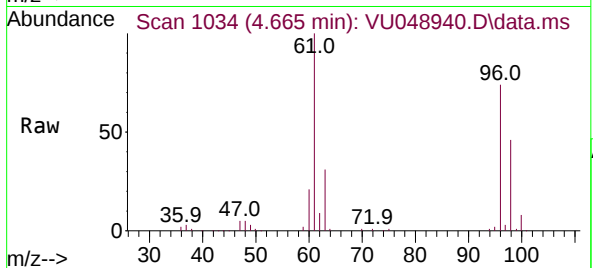


#27
 cis-1,2-Dichloroethene
 Concen: 70.354 ug/l
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU048940.D
 Acq: 08 Jun 2022 03:48

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP05-20220531

Tgt Ion: 96 Resp: 238661

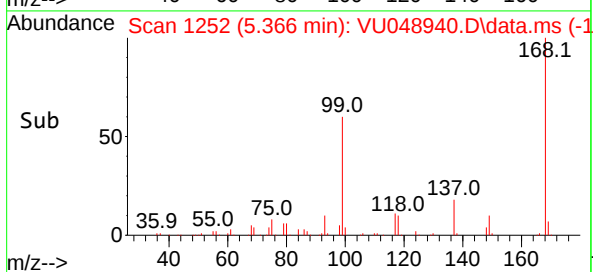
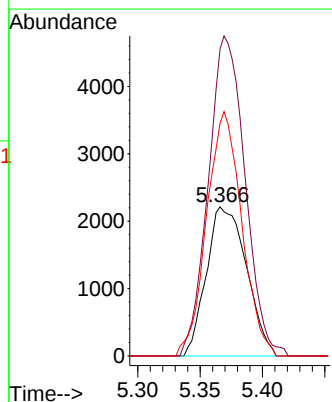
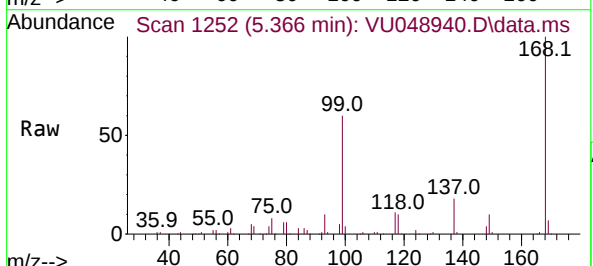
Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	306.2
98	63.4	0.0	130.4

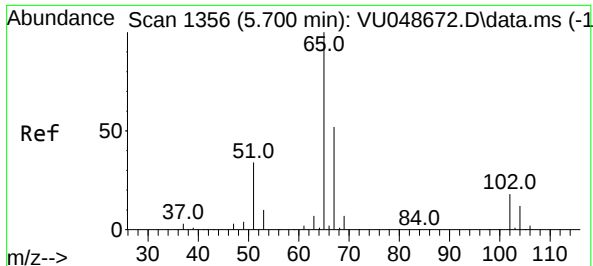


#31
 Cyclohexane
 Concen: 1.038 ug/l
 RT: 5.366 min Scan# 1252
 Delta R.T. -0.025 min
 Lab File: VU048940.D
 Acq: 08 Jun 2022 03:48

Tgt Ion: 56 Resp: 4944

Ion	Ratio	Lower	Upper
56	100		
69	205.8	25.6	38.4#
84	156.0	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.976 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048940.D

Acq: 08 Jun 2022 03:48

Instrument :

MSVOA_U

ClientSampleId :

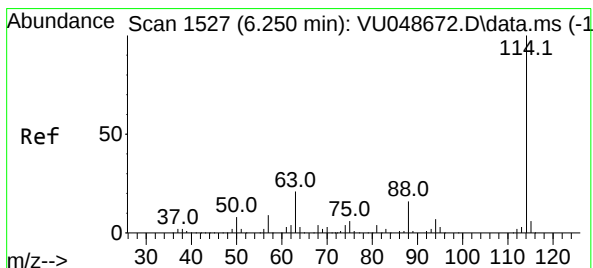
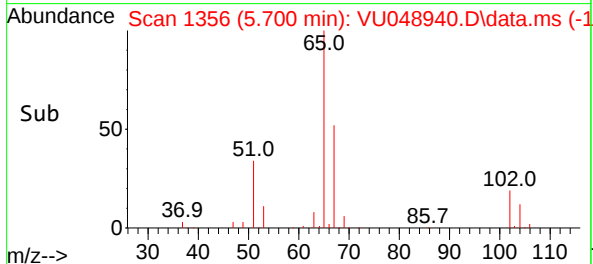
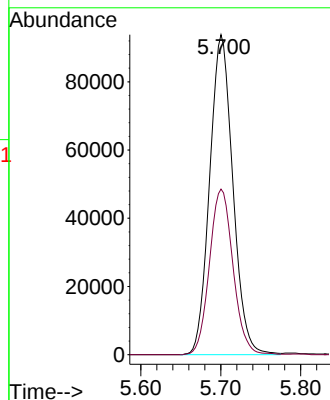
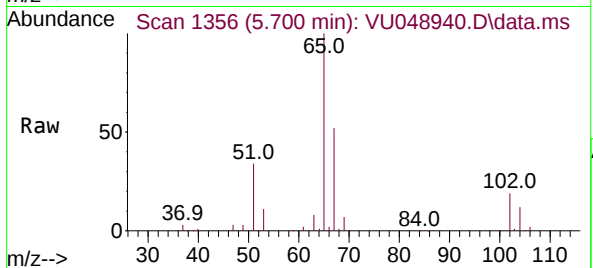
DUP05-20220531

Tgt Ion: 65 Resp: 188935

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# 1526

Delta R.T. -0.003 min

Lab File: VU048940.D

Acq: 08 Jun 2022 03:48

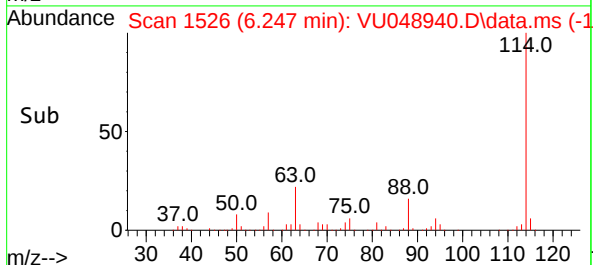
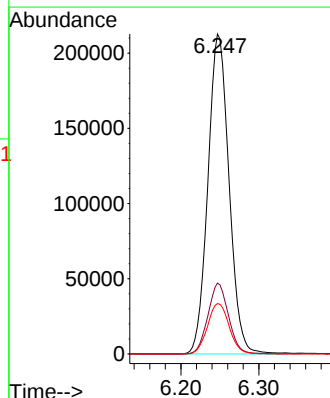
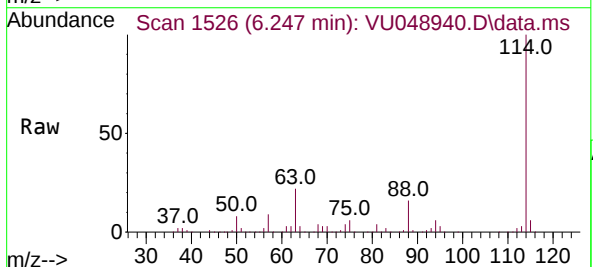
Tgt Ion: 114 Resp: 400735

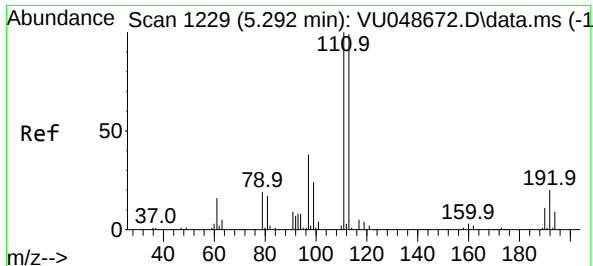
Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.6

88 15.7 0.0 32.2

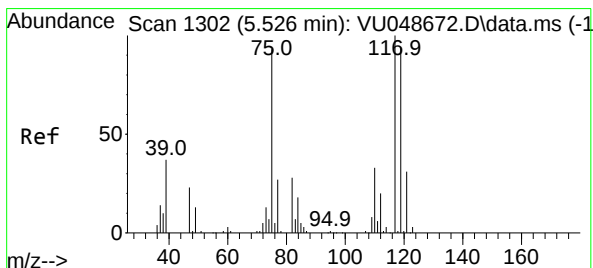
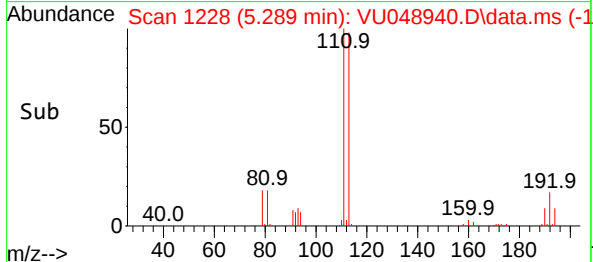
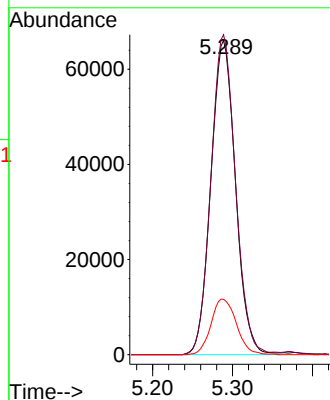
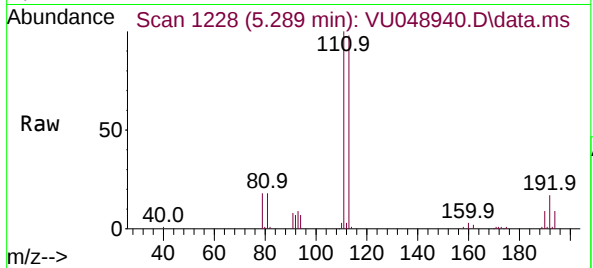




#35
Dibromofluoromethane
Concen: 49.319 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

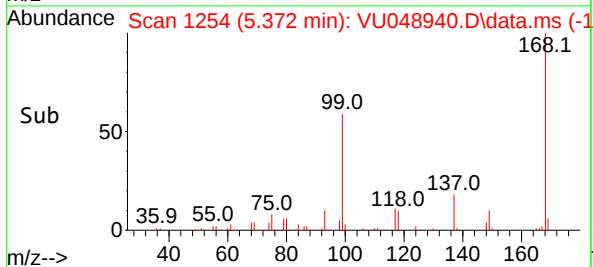
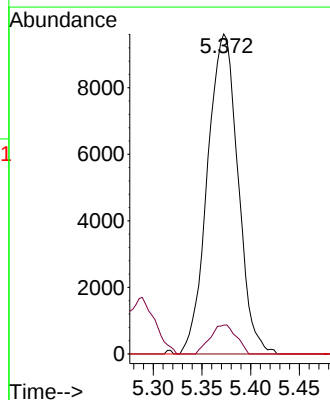
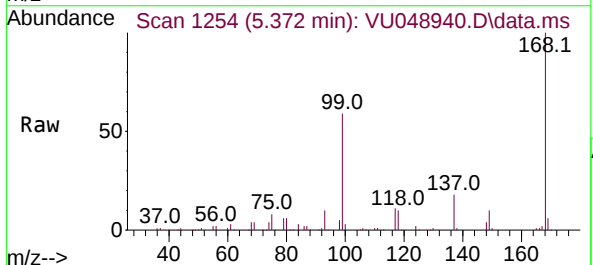
Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531

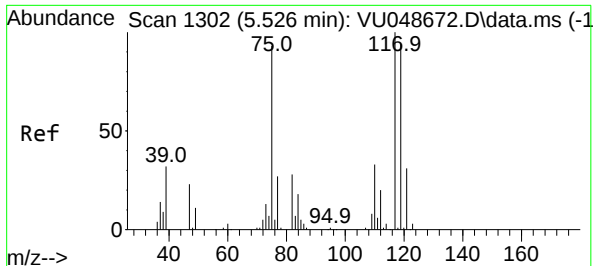
Tgt Ion:113 Resp: 141001
Ion Ratio Lower Upper
113 100
111 101.9 80.7 121.1
192 18.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.026 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Tgt Ion: 75 Resp: 20973
Ion Ratio Lower Upper
75 100
110 7.7 17.4 52.3#
77 0.0 24.8 37.2#

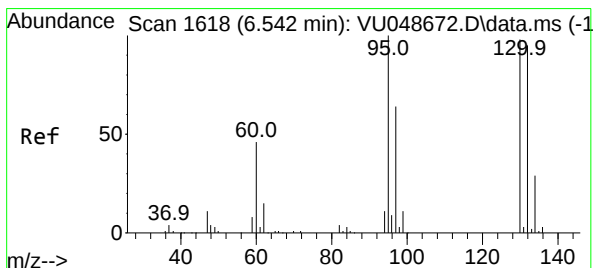
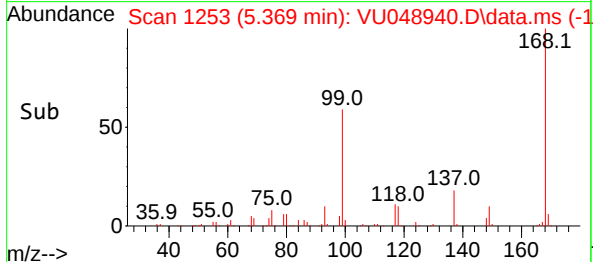
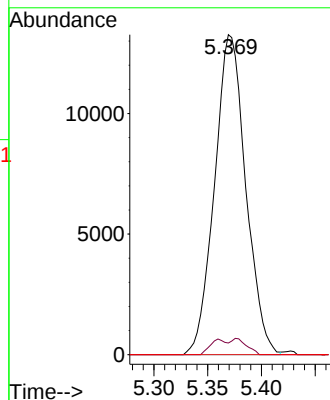
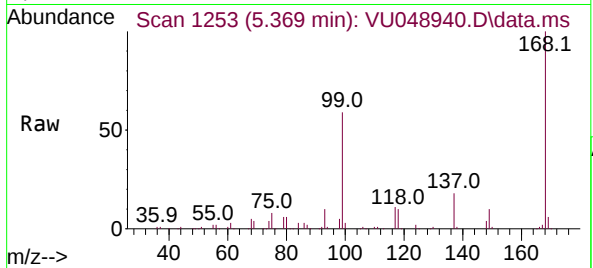




#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.157 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

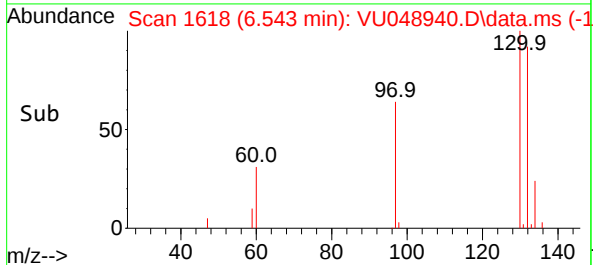
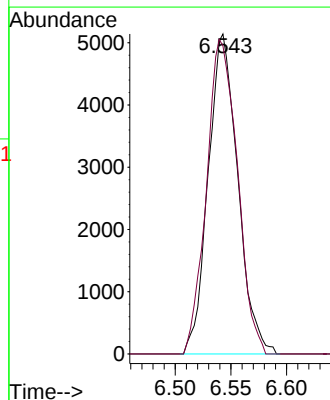
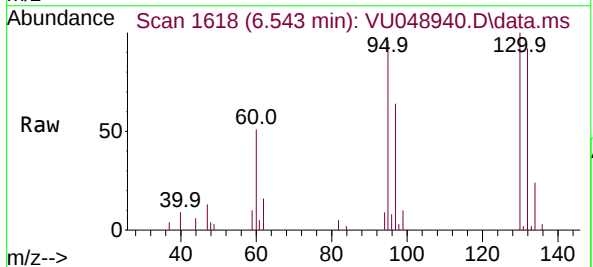
Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531

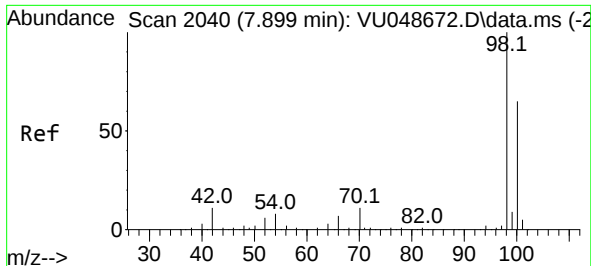
Tgt Ion:117 Resp: 26792
Ion Ratio Lower Upper
117 100
119 3.6 75.4 113.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 2.993 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Tgt Ion:130 Resp: 9500
Ion Ratio Lower Upper
130 100
95 96.3 0.0 204.8

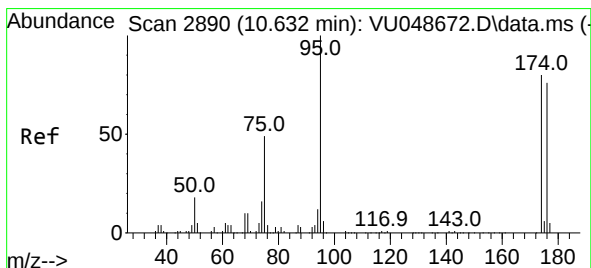
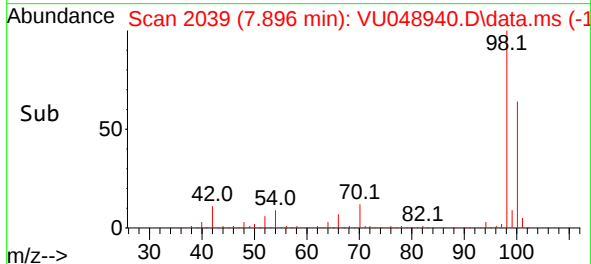
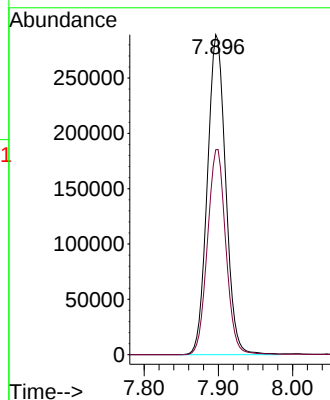
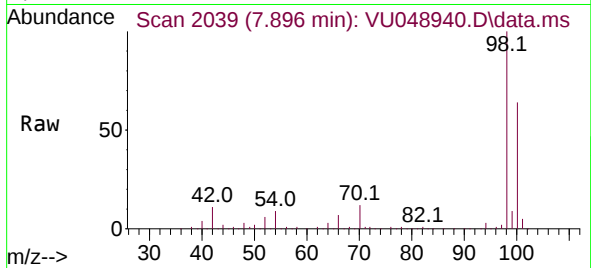




#50
Toluene-d8
Concen: 48.324 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

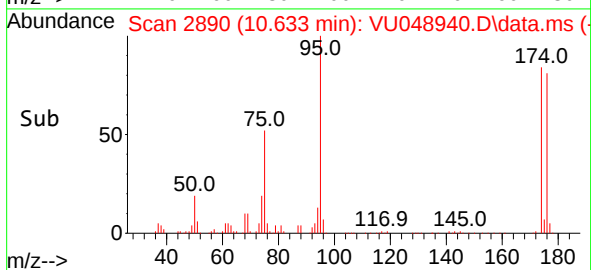
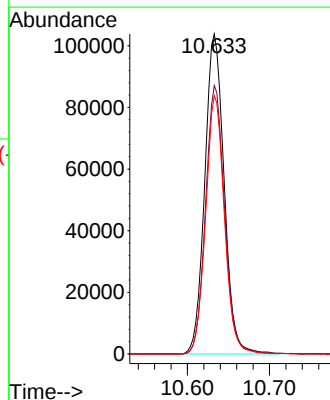
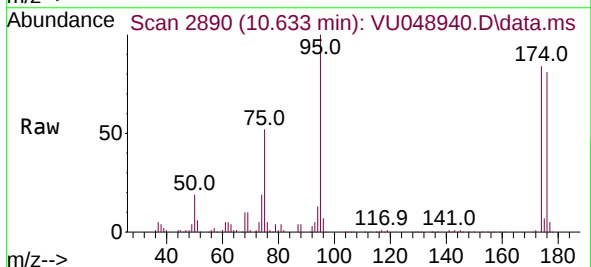
Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531

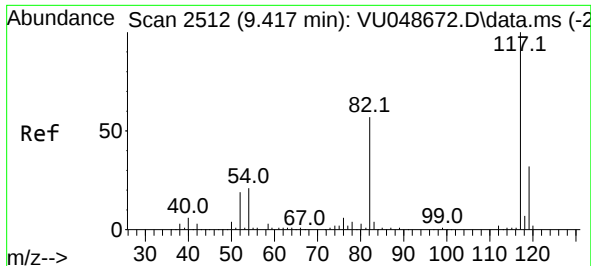
Tgt Ion: 98 Resp: 495232
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 43.860 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Tgt Ion: 95 Resp: 169994
Ion Ratio Lower Upper
95 100
174 82.9 0.0 159.4
176 78.5 0.0 152.4

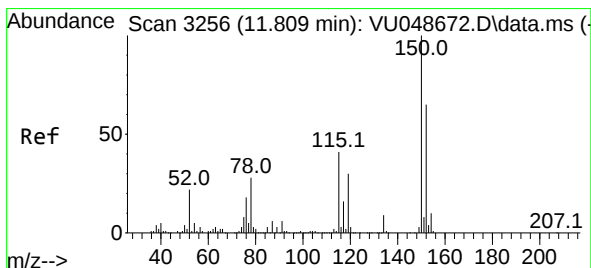
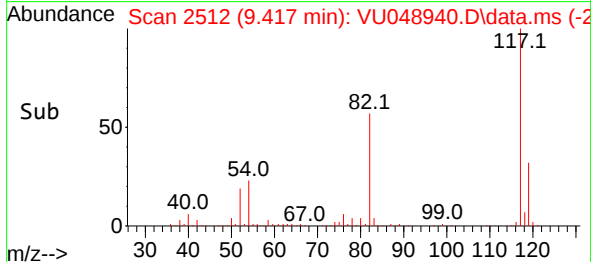
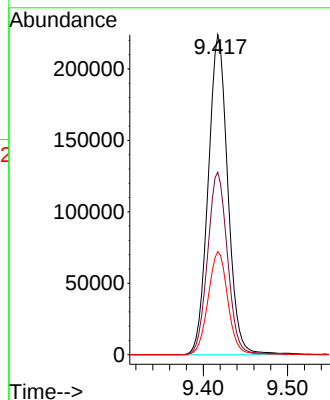
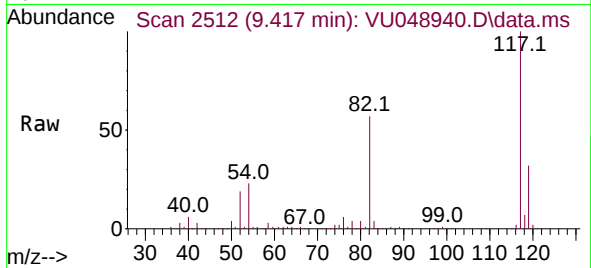




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

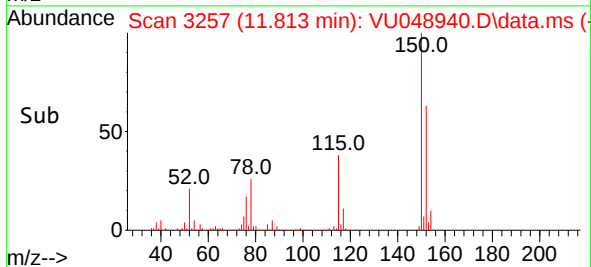
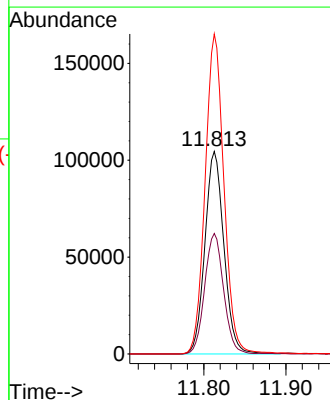
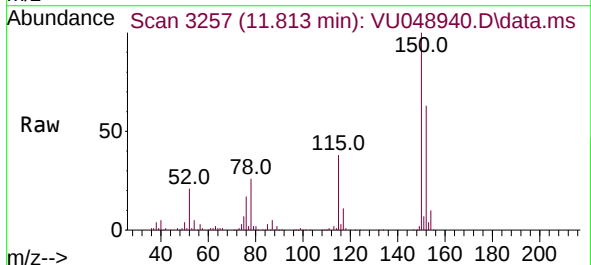
Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531

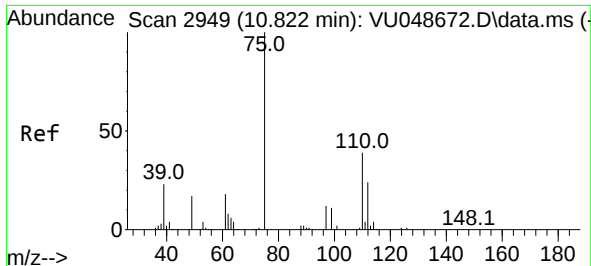
Tgt Ion:117 Resp: 362664
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.813 min Scan# 3257
Delta R.T. 0.004 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Tgt Ion:152 Resp: 168332
Ion Ratio Lower Upper
152 100
115 59.0 41.8 125.4
150 156.5 0.0 341.0

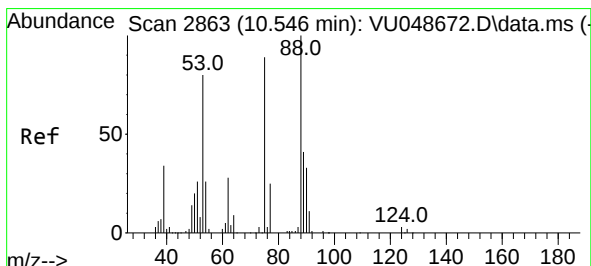
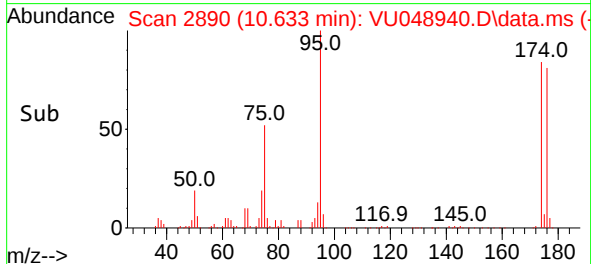
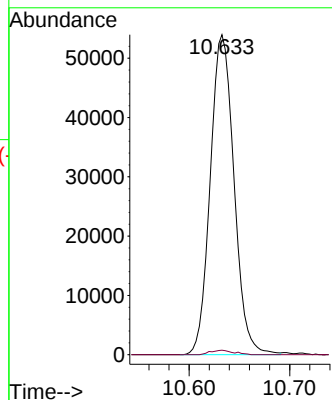
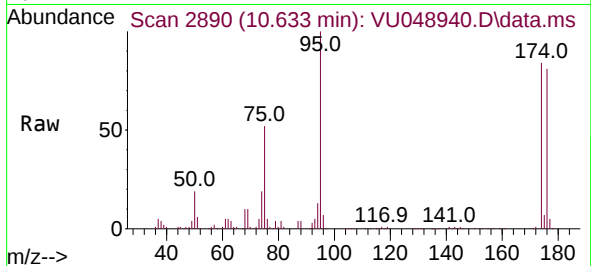




#76
1,2,3-Trichloropropane
Concen: 16.340 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. -0.189 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

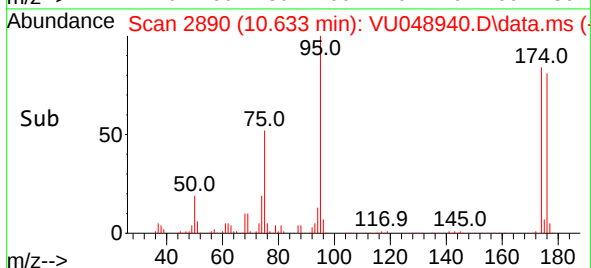
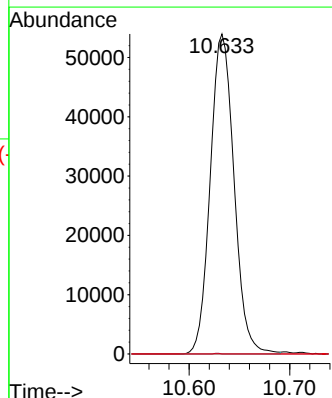
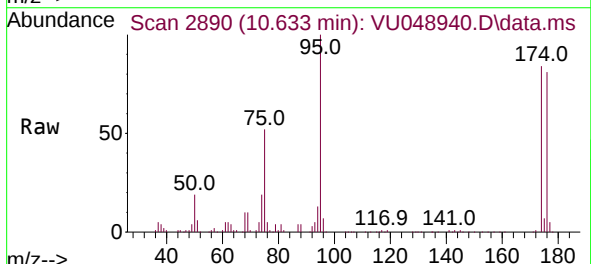
Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531

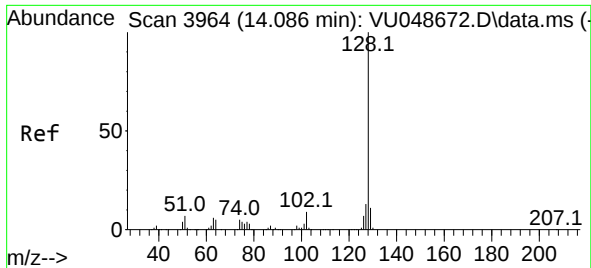
Tgt Ion: 75 Resp: 88686
Ion Ratio Lower Upper
75 100
77 1.3 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.330 ug/l
RT: 10.633 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

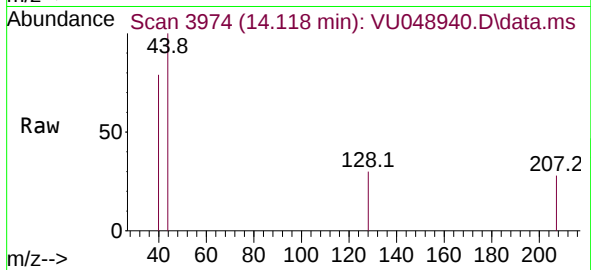
Tgt Ion: 75 Resp: 88686
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.547 ug/l
RT: 14.118 min Scan# 3964
Delta R.T. 0.032 min
Lab File: VU048940.D
Acq: 08 Jun 2022 03:48

Instrument :
MSVOA_U
ClientSampleId :
DUP05-20220531



Tgt Ion:128 Resp: 197
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

