

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070522\
 Data File : VU049613.D
 Acq On : 05 Jul 2022 13:13
 Operator : SY/MD
 Sample : N3569-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-06302022RE

Quant Time: Jul 06 07:47:19 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)

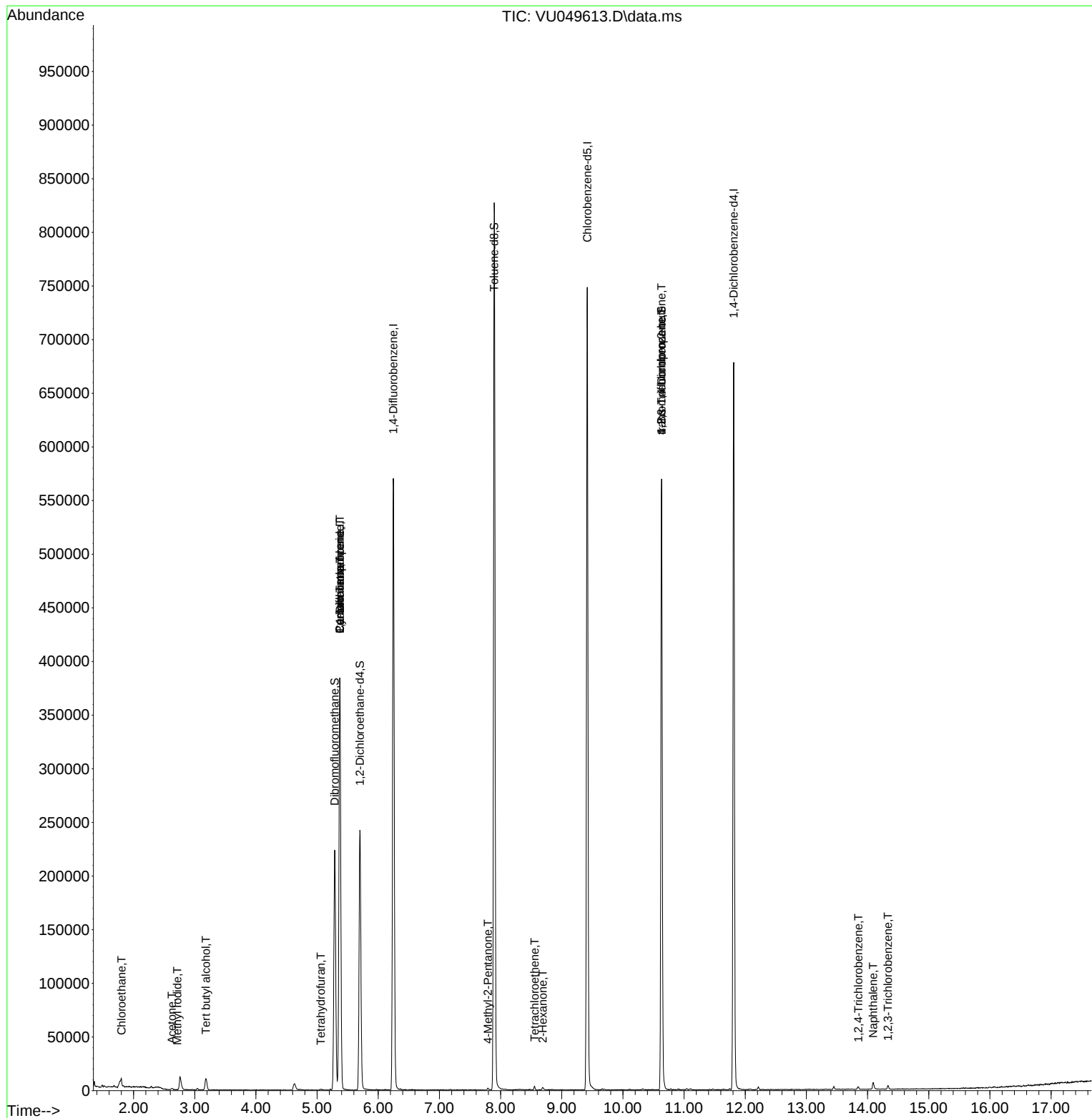
Internal Standards						
1) Pentafluorobenzene	5.372	168	265608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	457791	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	413573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	181566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	178744	43.697	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.400%
35) Dibromofluoromethane	5.288	113	146426	45.718	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.440%
50) Toluene-d8	7.896	98	557480	48.801	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.600%
62) 4-Bromofluorobenzene	10.632	95	197339	45.096	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1511	Below Cal		97
6) Chloroethane	1.803	64	119	1.973	ug/l #	44
10) Methyl Iodide	2.716	142	72	7.534	ug/l #	43
11) Tert butyl alcohol	3.182	59	6849	7.154	ug/l #	37
16) Acetone	2.626	43	1446	0.701	ug/l	92
20) Methylene Chloride	3.047	84	490	Below Cal	#	80
29) Tetrahydrofuran	5.063	42	780	0.368	ug/l #	37
31) Cyclohexane	5.372	56	5995	0.976	ug/l #	21
36) 1,1-Dichloropropene	5.372	75	22067	4.752	ug/l #	48
38) Carbon Tetrachloride	5.372	117	27740	5.696	ug/l #	15
51) 4-Methyl-2-Pentanone	7.793	43	1378	0.221	ug/l	88
59) 2-Hexanone	8.690	43	1939	0.396	ug/l	81
64) Tetrachloroethene	8.555	164	579	0.218	ug/l #	60
76) 1,2,3-Trichloropropane	10.632	75	98333	15.976	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	98333	58.999	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	1155	2.028	ug/l	98
95) Naphthalene	14.092	128	6861	2.202	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.333	180	1440	1.513	ug/l	97

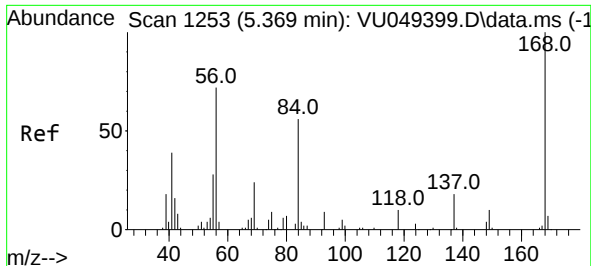
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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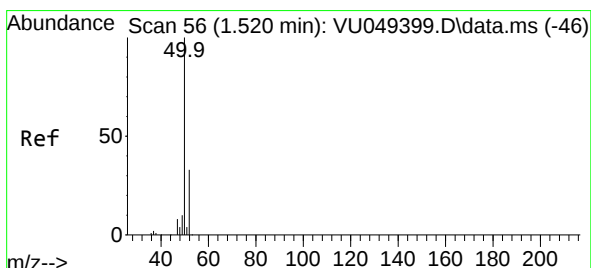
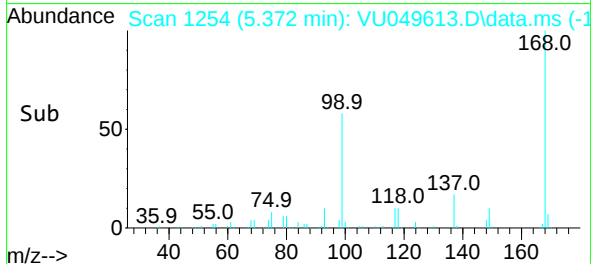
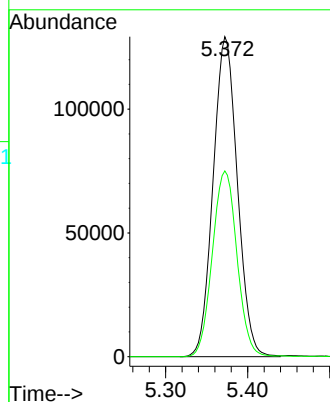
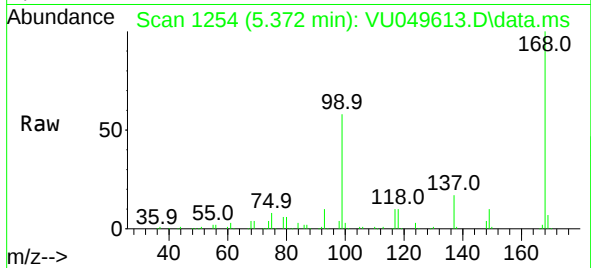




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

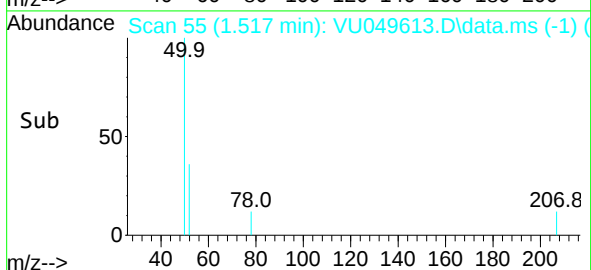
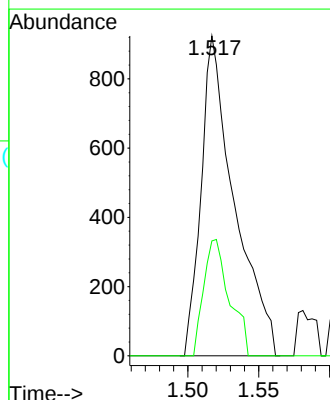
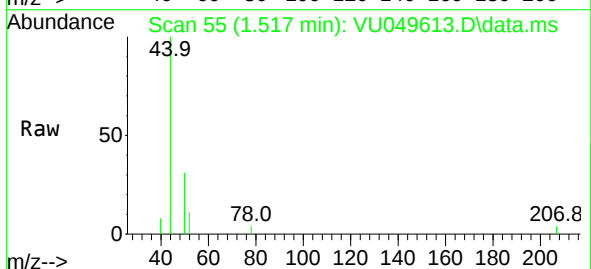
Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

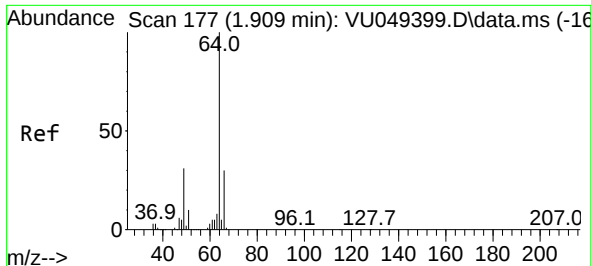
Tgt Ion:168 Resp: 265608
Ion Ratio Lower Upper
168 100
99 58.1 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion: 50 Resp: 1511
Ion Ratio Lower Upper
50 100
52 35.9 27.4 41.2

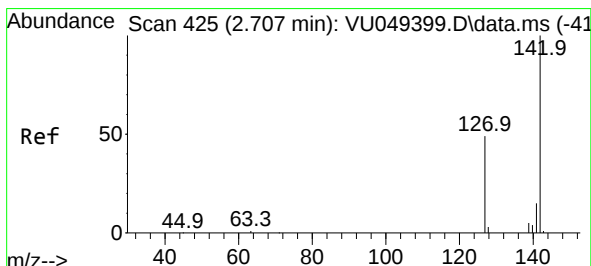
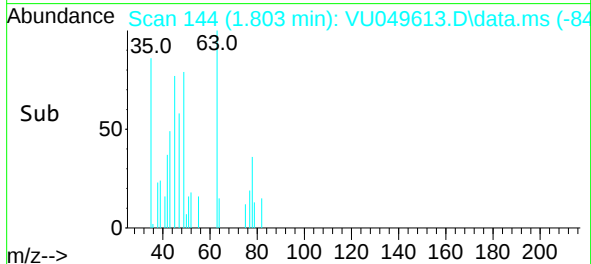
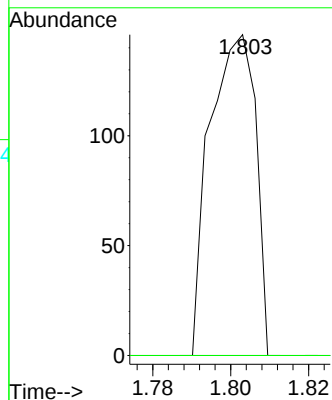
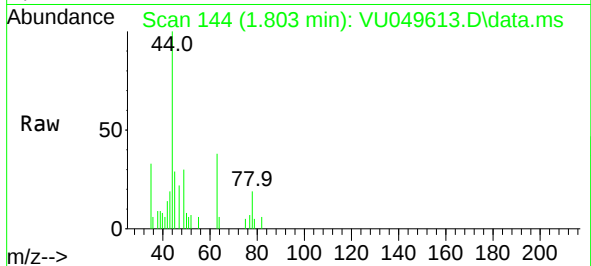




#6
Chloroethane
Concen: 1.973 ug/l
RT: 1.803 min Scan# 14
Delta R.T. -0.106 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

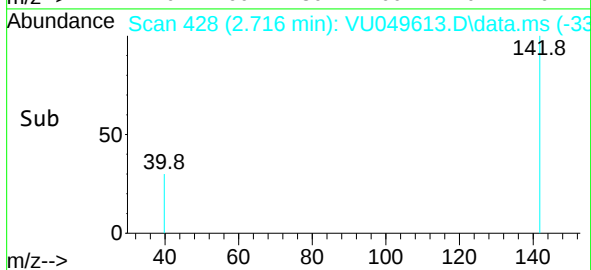
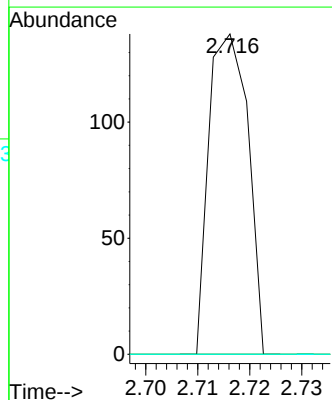
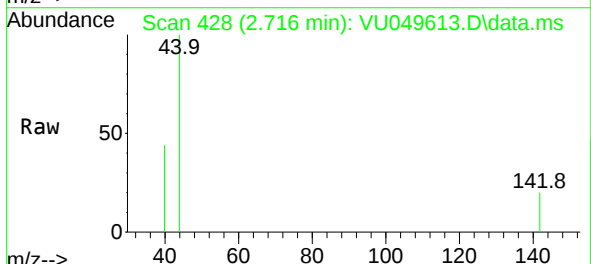
Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

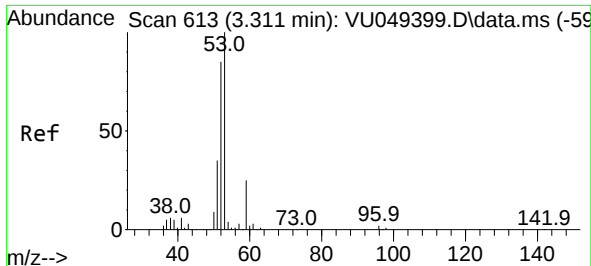
Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 7.534 ug/l
RT: 2.716 min Scan# 428
Delta R.T. 0.010 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion: 142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

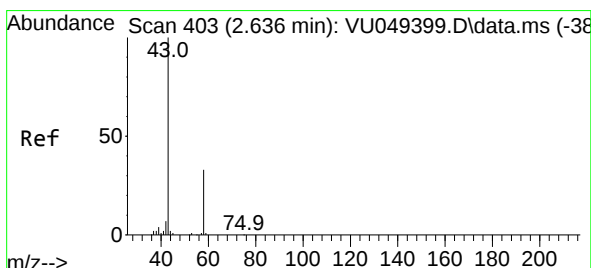
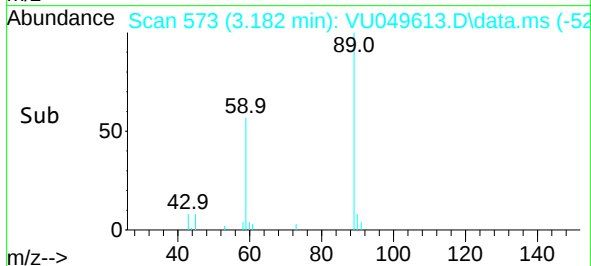
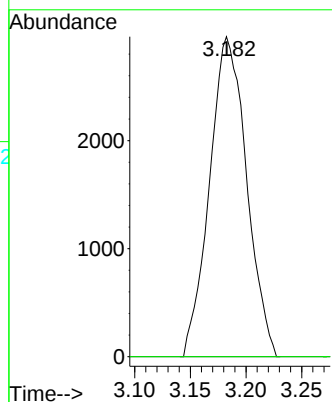
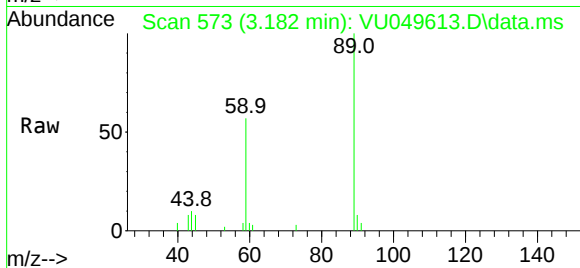




#11
Tert butyl alcohol
Concen: 7.154 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.129 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

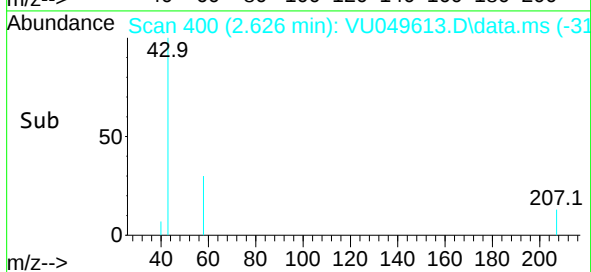
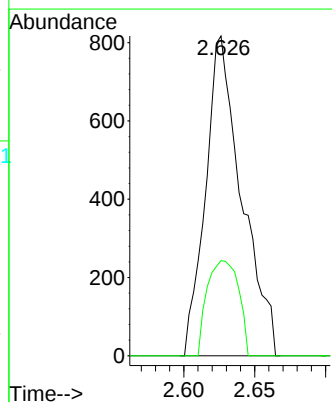
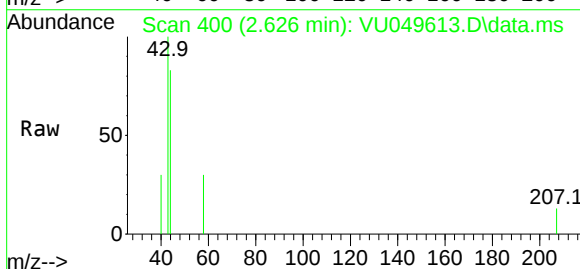
Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

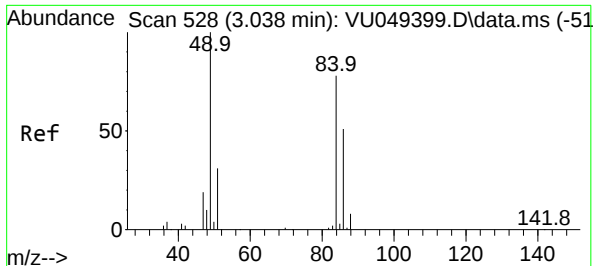
Tgt Ion: 59 Resp: 6849
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#16
Acetone
Concen: 0.701 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.010 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
58 29.7 27.5 41.3



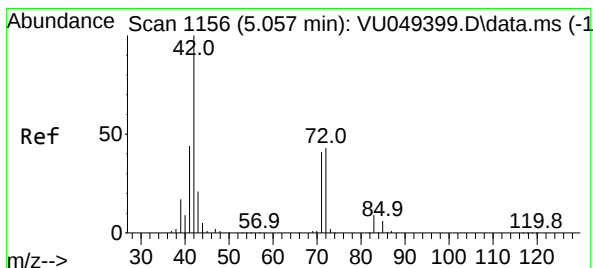
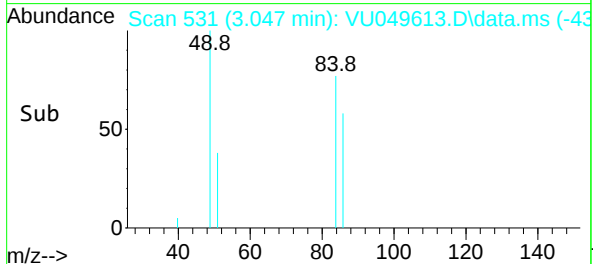
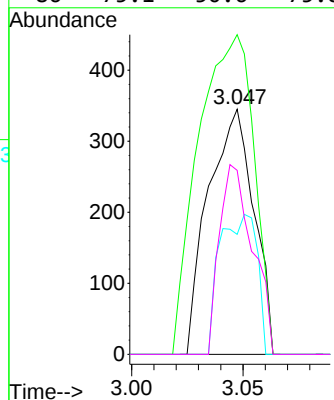
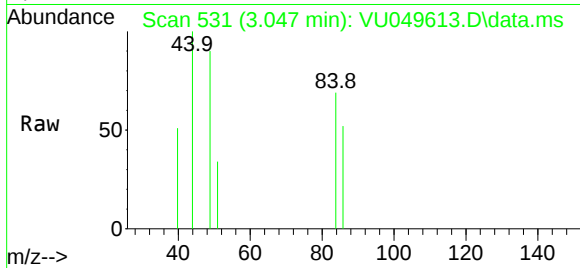


#20
Methylene Chloride
Concen: Below Cal
RT: 3.047 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

Tgt Ion: 84 Resp: 490

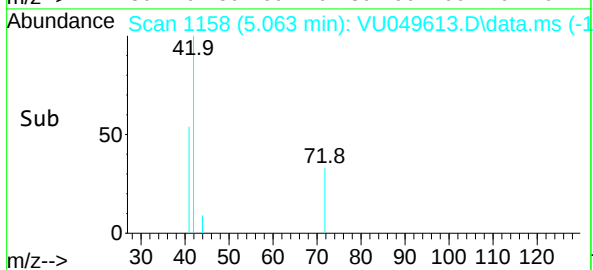
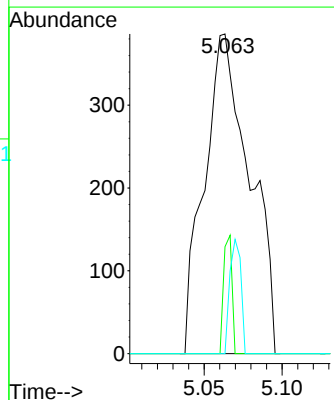
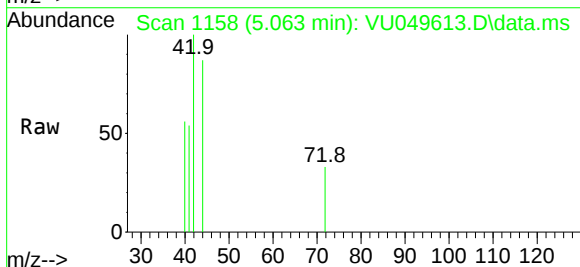
Ion	Ratio	Lower	Upper
84	100		
49	130.4	86.6	129.8#
51	49.0	26.6	40.0#
86	75.1	50.6	75.8

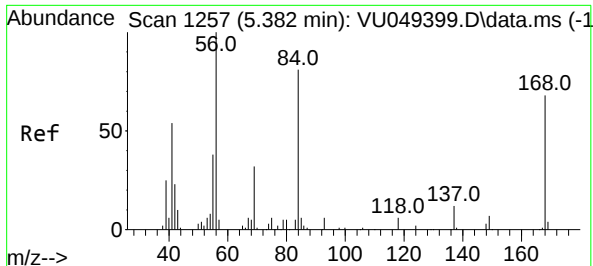


#29
Tetrahydrofuran
Concen: 0.368 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion: 42 Resp: 780

Ion	Ratio	Lower	Upper
42	100		
72	6.7	42.6	63.8#
71	8.7	40.3	60.5#

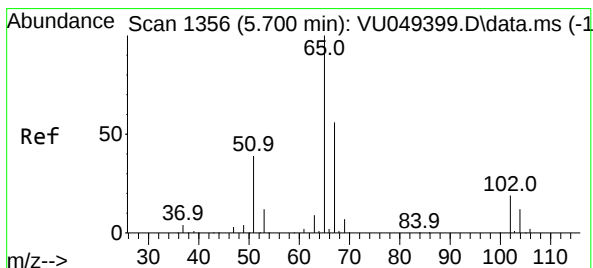
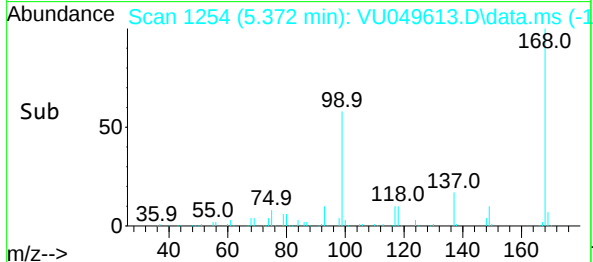
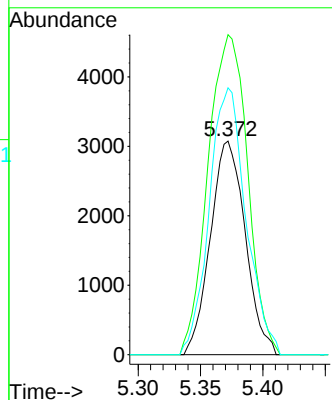
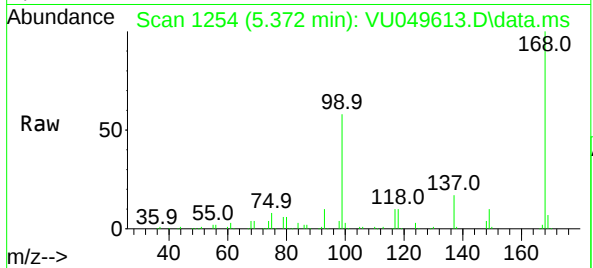




#31
Cyclohexane
Concen: 0.976 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

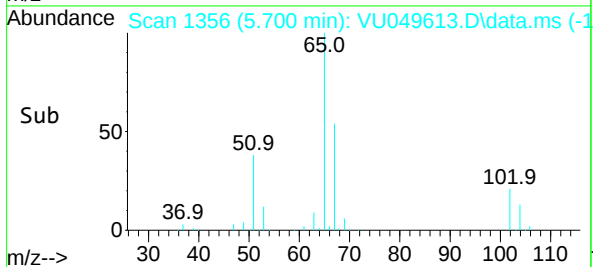
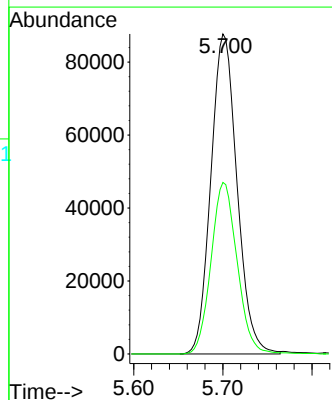
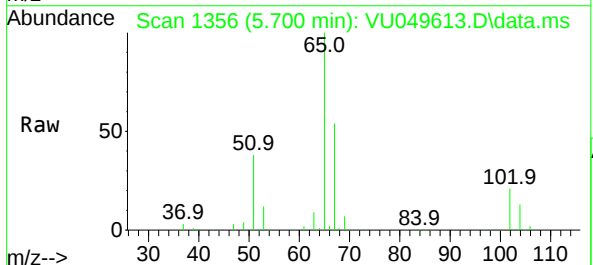
Instrument :
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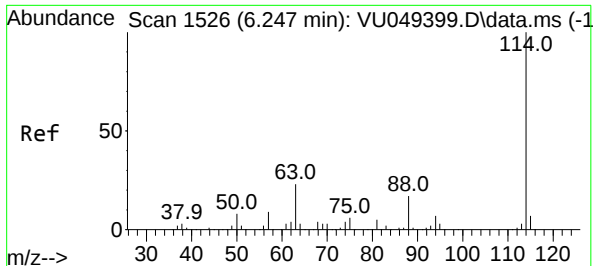
Tgt Ion: 56 Resp: 5995
Ion Ratio Lower Upper
56 100
69 149.9 27.8 41.8#
84 125.0 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 43.697 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion: 65 Resp: 178744
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049613.D

Acq: 05 Jul 2022 13:13

Instrument :

MSVOA_U

ClientSampleId :

TB-06302022RE

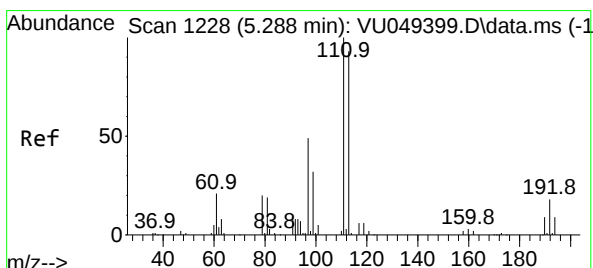
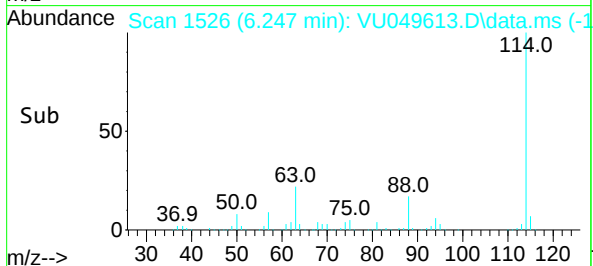
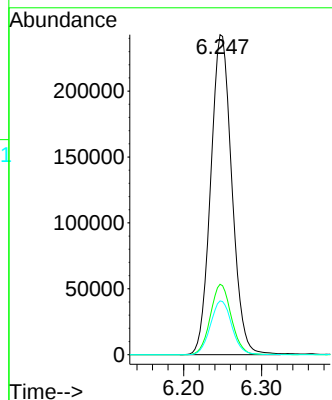
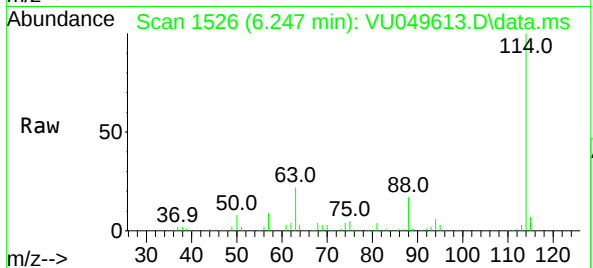
Tgt Ion:114 Resp: 457791

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.718 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049613.D

Acq: 05 Jul 2022 13:13

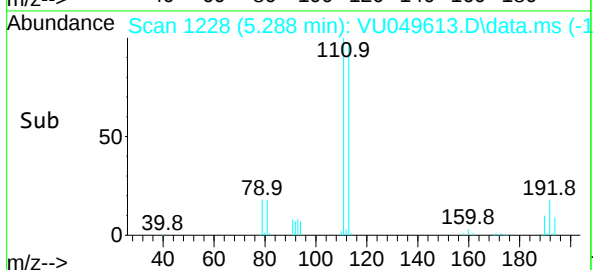
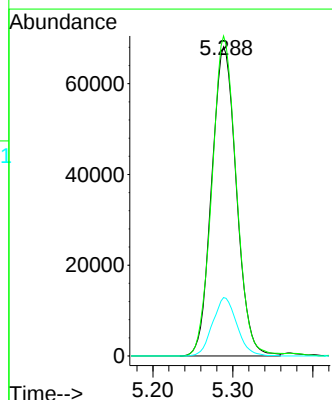
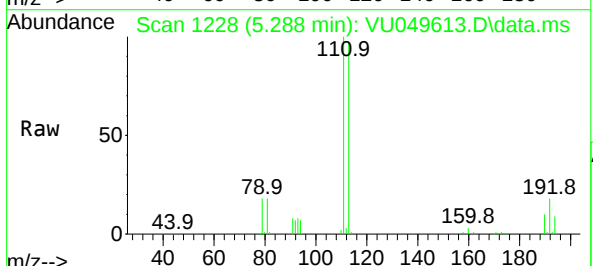
Tgt Ion:113 Resp: 146426

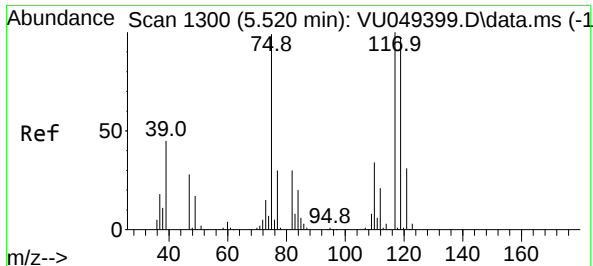
Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

192 18.5 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.752 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049613.D

Acq: 05 Jul 2022 13:13

Instrument :

MSVOA_U

ClientSampleId :

TB-06302022RE

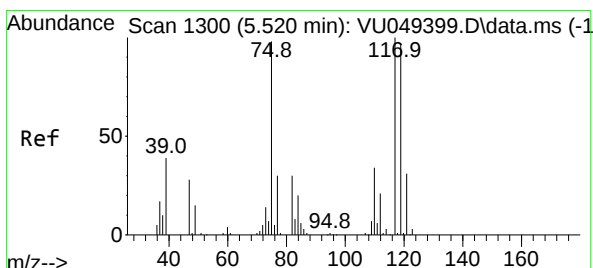
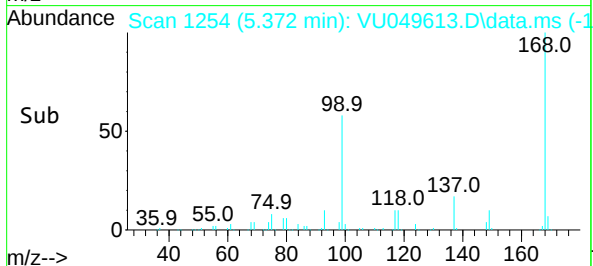
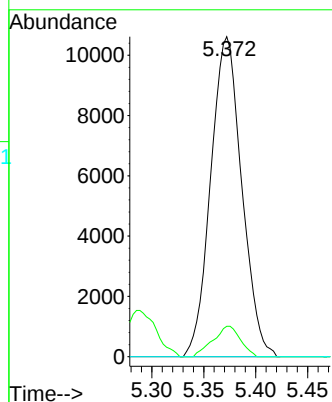
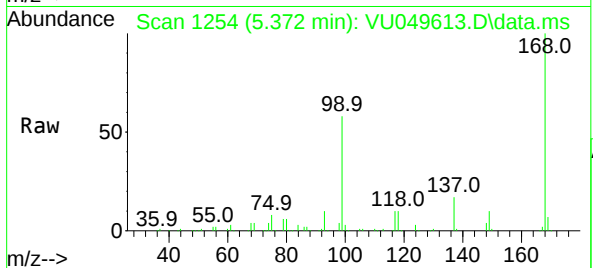
Tgt Ion: 75 Resp: 22067

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.696 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049613.D

Acq: 05 Jul 2022 13:13

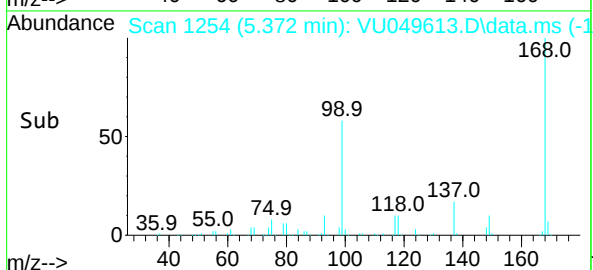
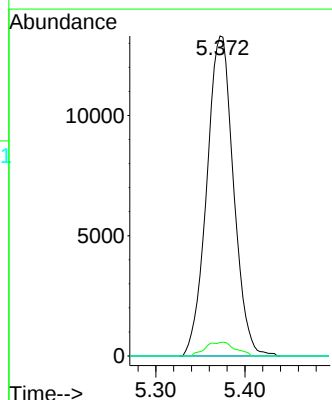
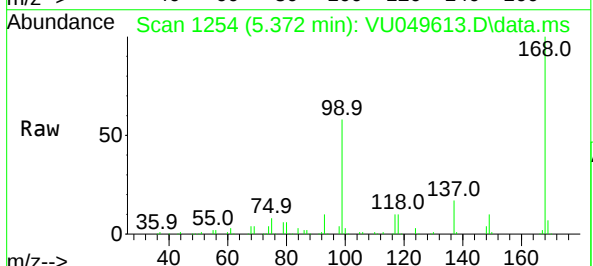
Tgt Ion: 117 Resp: 27740

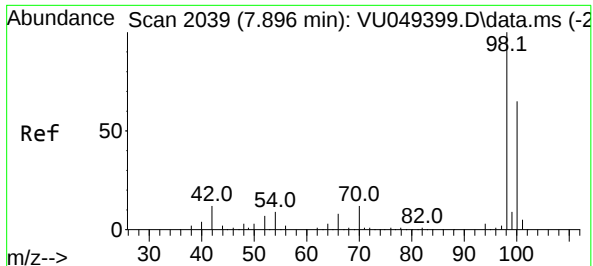
Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

121 0.0 24.7 37.1#

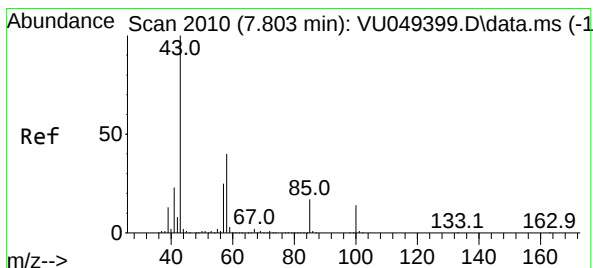
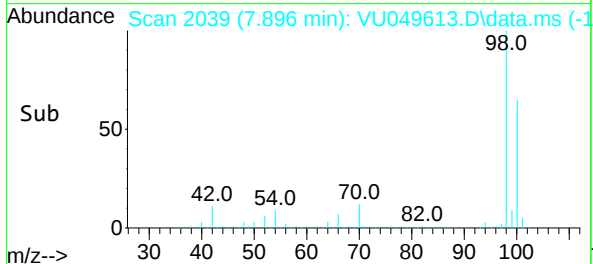
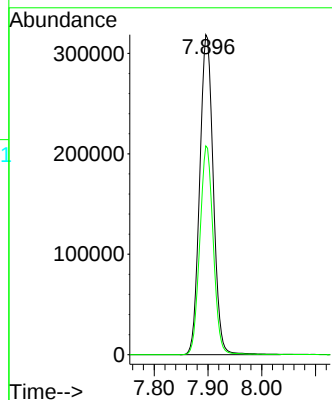
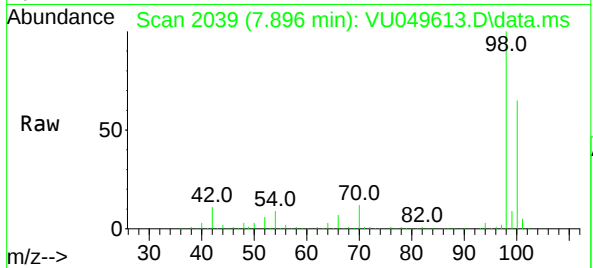




#50
Toluene-d8
Concen: 48.801 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

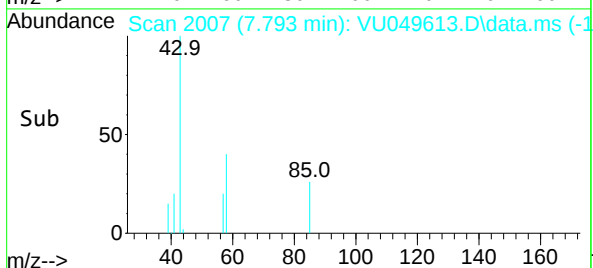
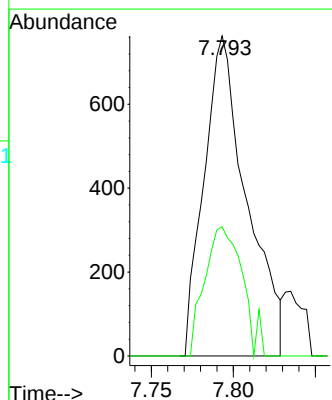
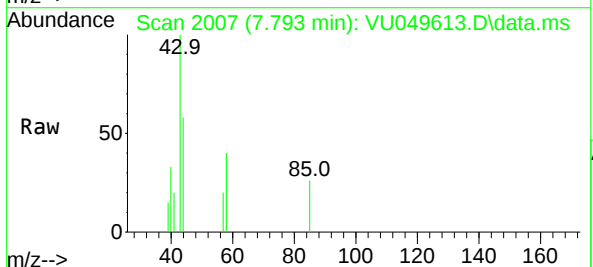
Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

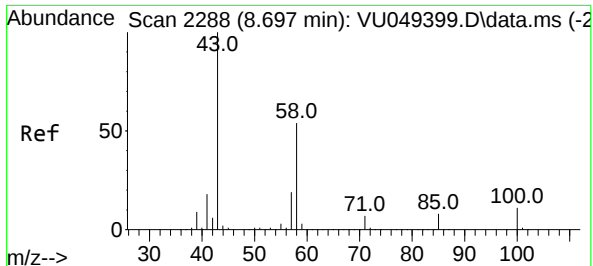
Tgt Ion: 98 Resp: 557480
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.010 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
58 35.6 34.7 52.1





#59

2-Hexanone

Concen: 0.396 ug/l

RT: 8.690 min Scan# 21

Delta R.T. -0.006 min

Lab File: VU049613.D

Acq: 05 Jul 2022 13:13

Instrument :

MSVOA_U

ClientSampleId :

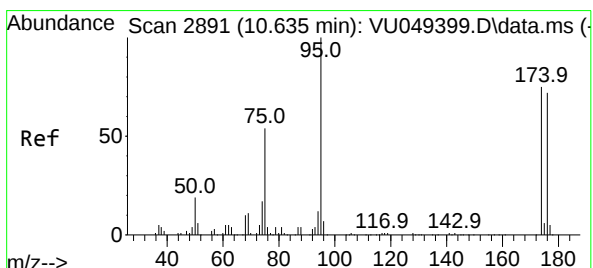
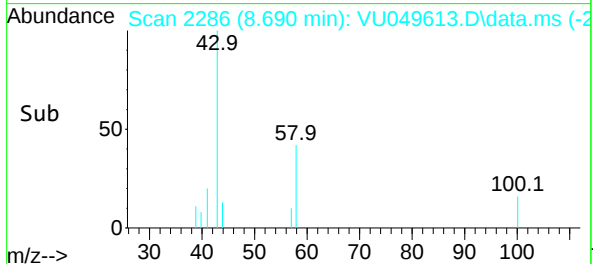
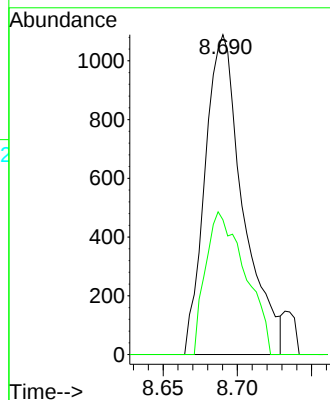
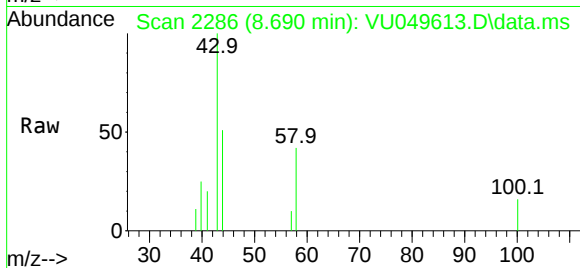
TB-06302022RE

Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

43 100

58 46.4 30.3 90.8



#62

4-Bromofluorobenzene

Concen: 45.096 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.003 min

Lab File: VU049613.D

Acq: 05 Jul 2022 13:13

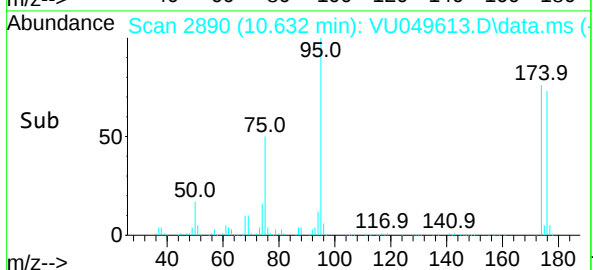
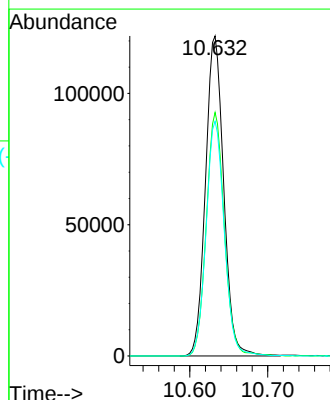
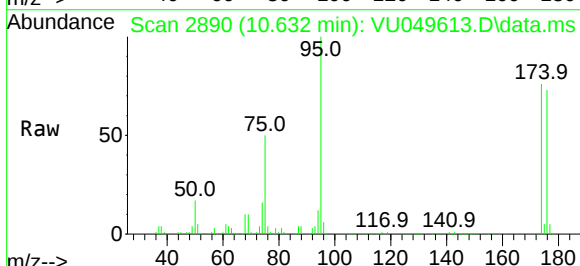
Tgt Ion: 95 Resp: 197339

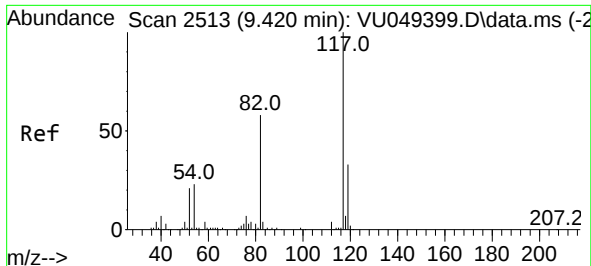
Ion Ratio Lower Upper

95 100

174 75.5 0.0 182.0

176 73.3 0.0 177.8

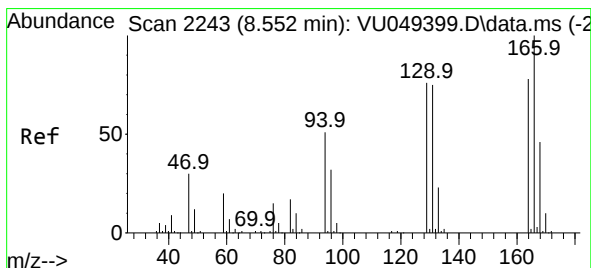
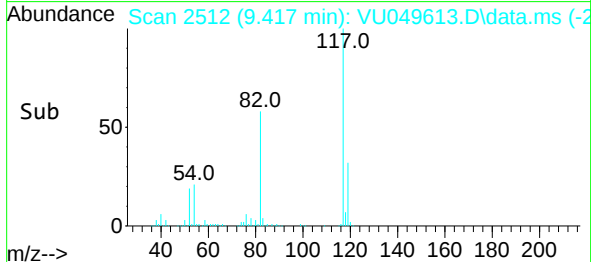
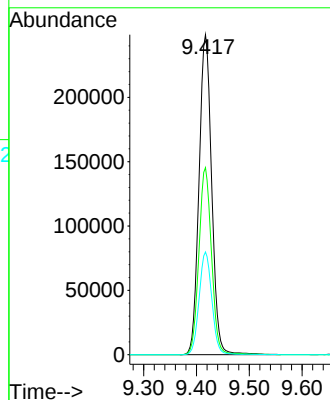
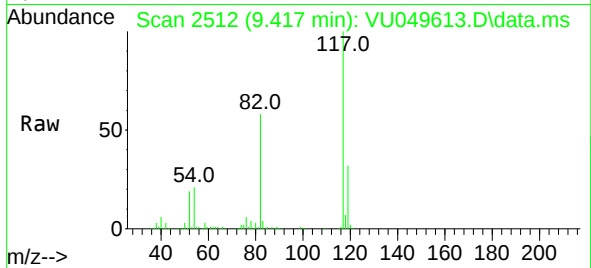




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

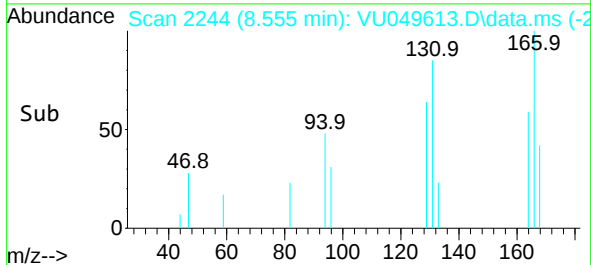
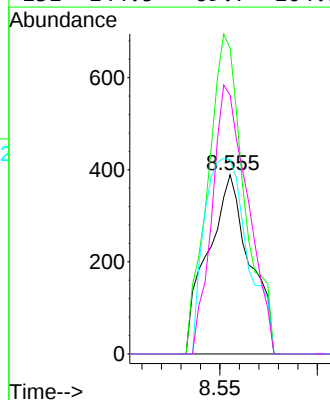
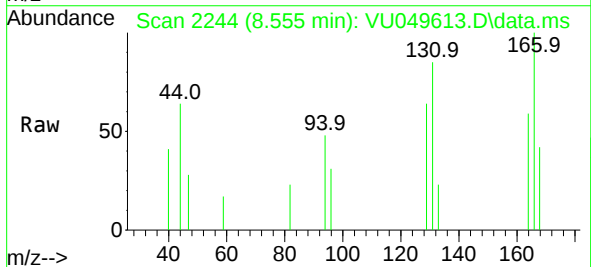
Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

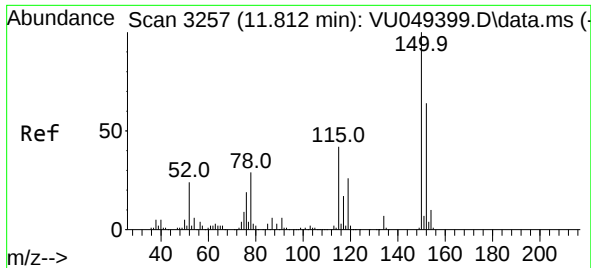
Tgt Ion:117 Resp: 413573
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 0.218 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion:164 Resp: 579
Ion Ratio Lower Upper
164 100
166 170.7 100.0 150.0#
129 108.5 72.0 108.0#
131 144.5 69.7 104.5#

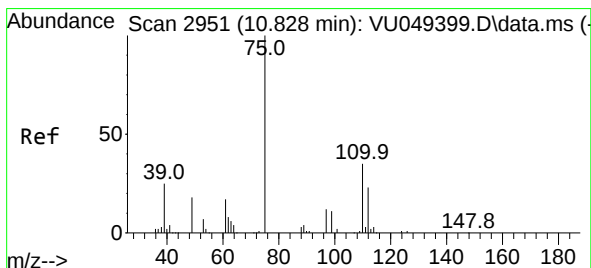
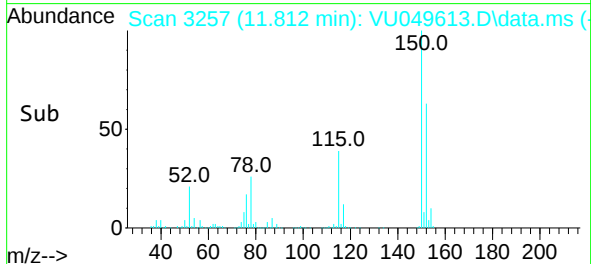
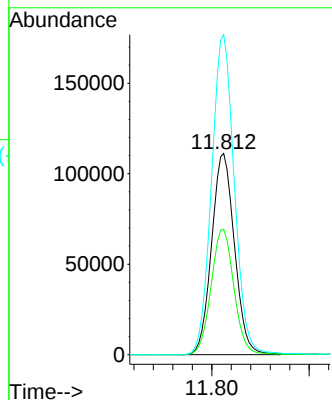
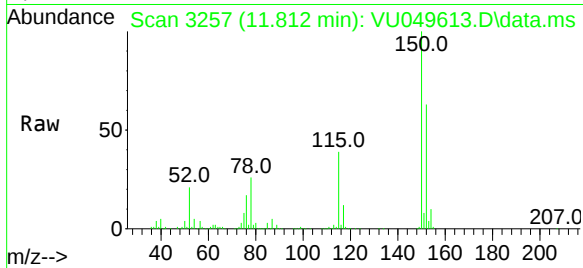




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

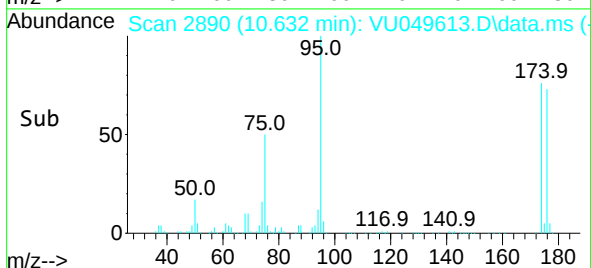
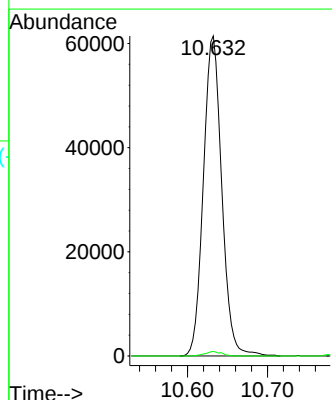
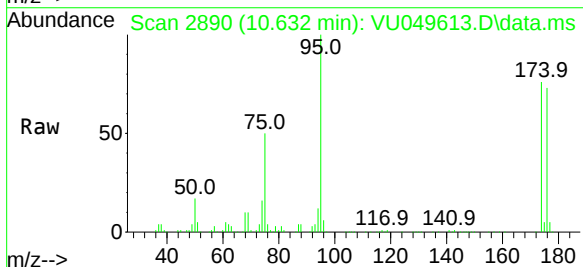
Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

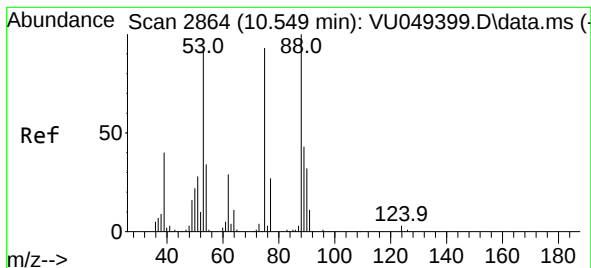
Tgt Ion:152 Resp: 181566
Ion Ratio Lower Upper
152 100
115 62.4 37.0 110.9
150 158.0 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.976 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion: 75 Resp: 98333
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#

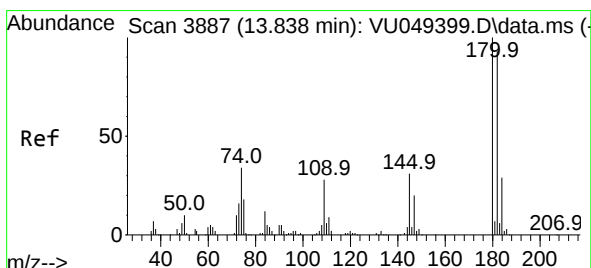
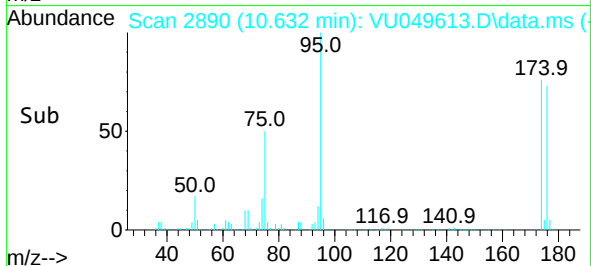
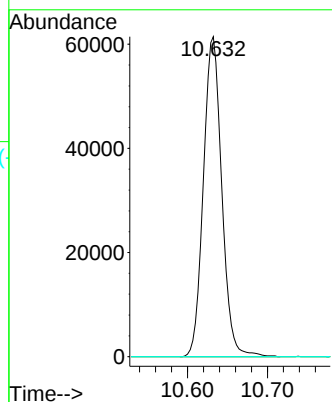
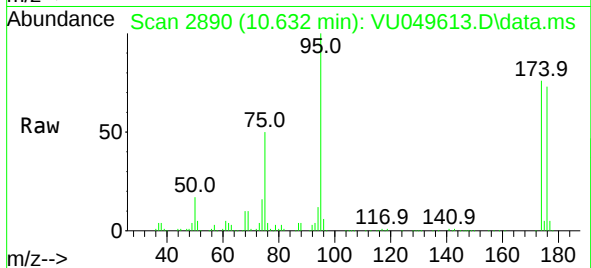




#81
trans-1,4-Dichloro-2-butene
Concen: 58.999 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

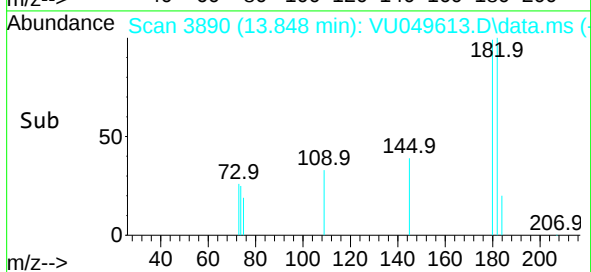
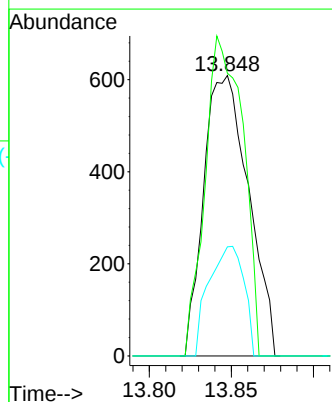
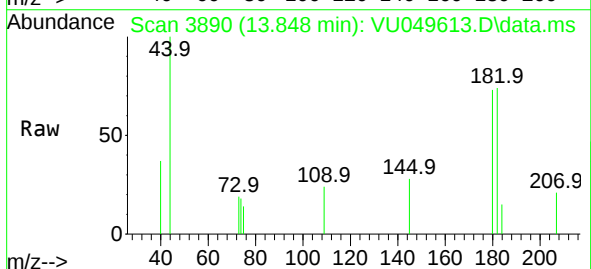
Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

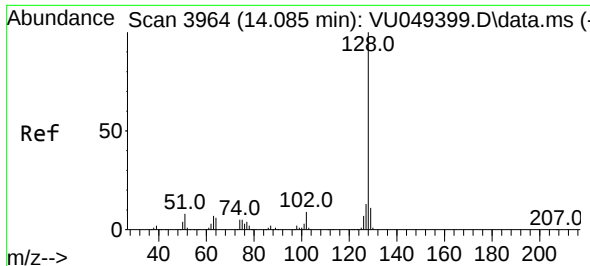
Tgt Ion: 75 Resp: 98333
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.028 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion:180 Resp: 1155
Ion Ratio Lower Upper
180 100
182 96.7 47.9 143.6
145 30.6 14.0 41.9

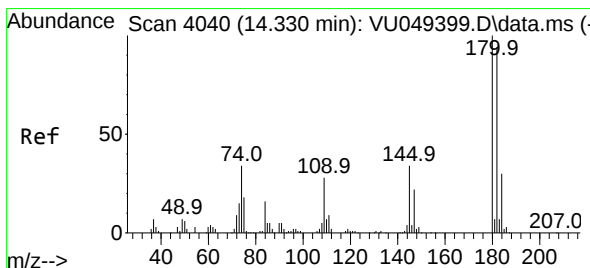
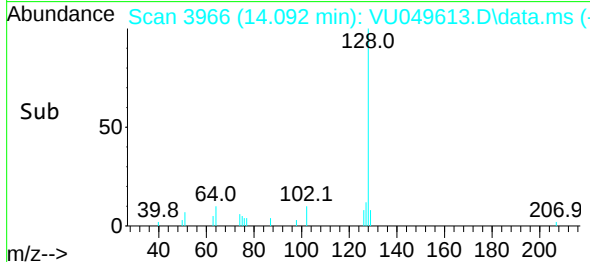
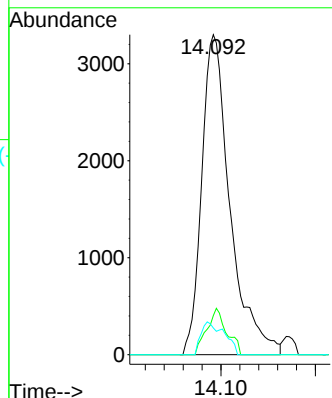
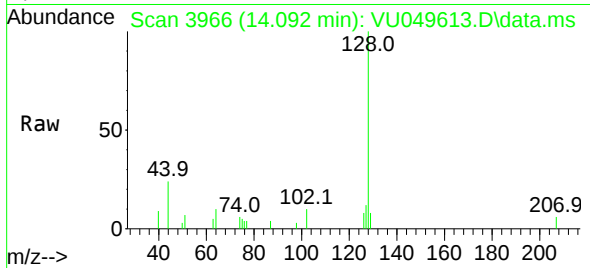




#95
Naphthalene
Concen: 2.202 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Instrument :
MSVOA_U
ClientSampleId :
TB-06302022RE

Tgt Ion:128 Resp: 6861
Ion Ratio Lower Upper
128 100
127 10.2 10.3 15.5#
129 8.4 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.513 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU049613.D
Acq: 05 Jul 2022 13:13

Tgt Ion:180 Resp: 1440
Ion Ratio Lower Upper
180 100
182 97.9 48.4 145.0
145 34.8 14.8 44.4

