

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049492.D
 Acq On : 29 Jun 2022 04:55
 Operator : SY/MD
 Sample : N3457-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE115D1-20220620

Quant Time: Jun 29 05:26:26 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)

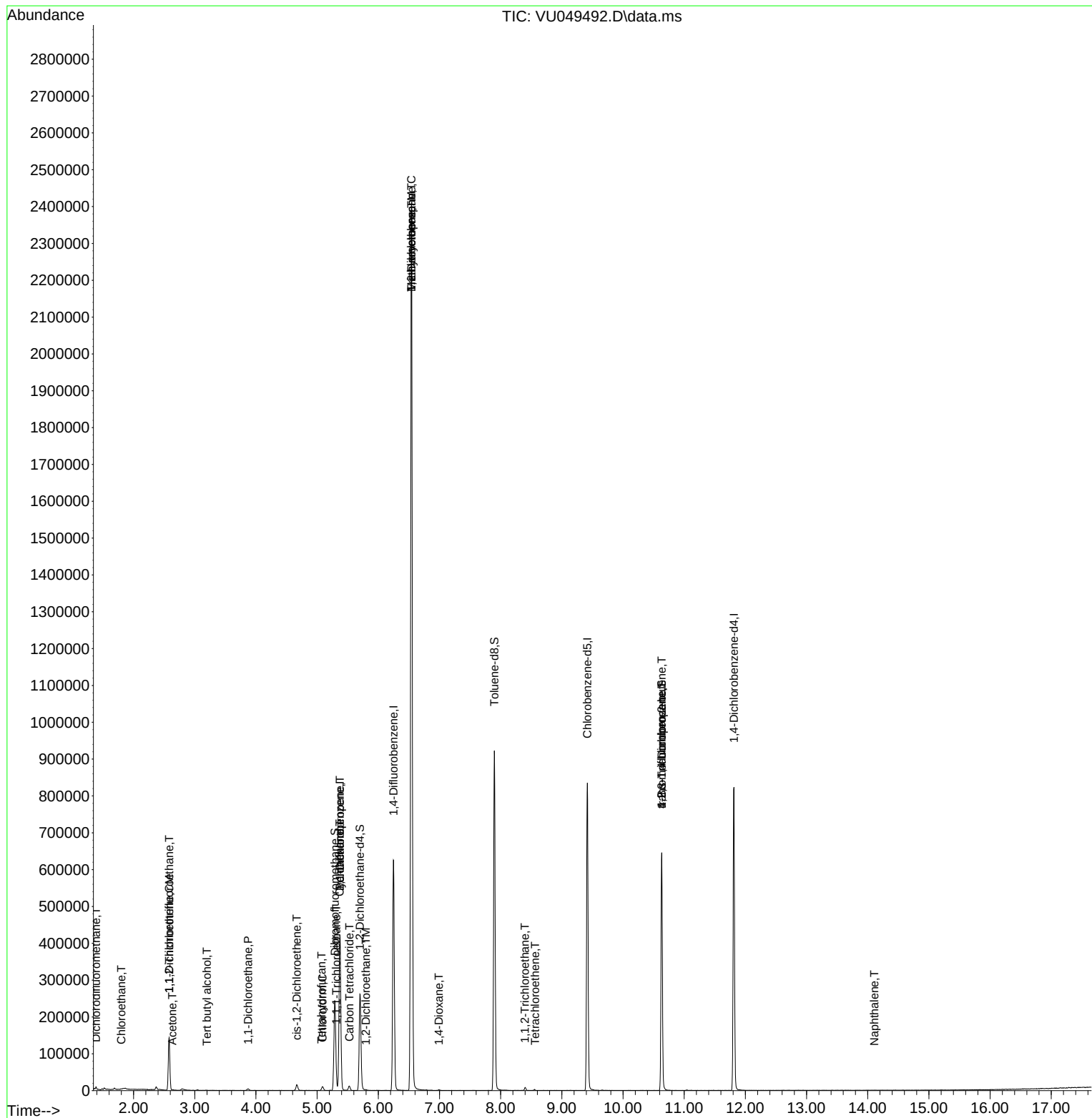
Internal Standards						
1) Pentafluorobenzene	5.372	168	295357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	509156	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	461863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	214495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	198587	43.658	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.320%
35) Dibromofluoromethane	5.289	113	160448	45.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.080%
50) Toluene-d8	7.896	98	612555	48.212	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.420%
62) 4-Bromofluorobenzene	10.632	95	225075	46.245	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	3225	0.679	ug/l	90
3) Chloromethane	1.520	50	3643	Below Cal		96
6) Chloroethane	1.800	64	65	1.944	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	38289	11.686	ug/l	96
11) Tert butyl alcohol	3.199	59	271	0.255	ug/l #	37
12) 1,1-Dichloroethene	2.581	96	16419	5.118	ug/l	99
16) Acetone	2.633	43	1841	0.803	ug/l	98
20) Methylene Chloride	3.048	84	556	Below Cal	#	87
24) 1,1-Dichloroethane	3.871	63	5582	0.785	ug/l #	93
27) cis-1,2-Dichloroethene	4.668	96	8131	2.035	ug/l	98
29) Tetrahydrofuran	5.073	42	480	0.204	ug/l #	78
30) Chloroform	5.089	83	9079	1.291	ug/l	98
31) Cyclohexane	5.369	56	6315	0.925	ug/l #	9
32) 1,1,1-Trichloroethane	5.314	97	2428	0.398	ug/l #	49
36) 1,1-Dichloropropene	5.372	75	23371	4.525	ug/l #	48
38) Carbon Tetrachloride	5.527	117	8683	1.603	ug/l	94
39) Methylcyclohexane	6.539	83	10040	1.622	ug/l #	1
42) 1,2-Dichloroethane	5.797	62	1310	0.226	ug/l #	74
44) Trichloroethene	6.543	130	810791	218.713	ug/l	88
45) 1,2-Dichloropropane	6.543	63	2604	0.603	ug/l #	1
49) 1,4-Dioxane	6.989	88	1606	12.934	ug/l #	1
55) 1,1,2-Trichloroethane	8.398	97	2593	0.677	ug/l	97
64) Tetrachloroethene	8.562	164	635	0.214	ug/l #	68
76) 1,2,3-Trichloropropane	10.632	75	111993	15.402	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	111993	56.879	ug/l #	15
95) Naphthalene	14.108	128	417	1.760	ug/l #	69

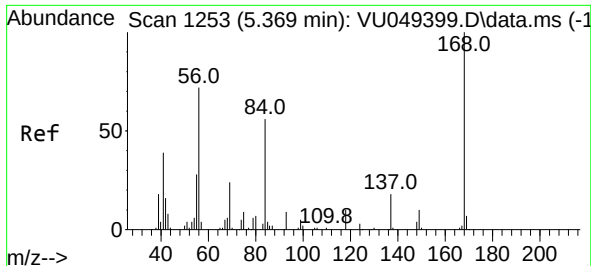
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
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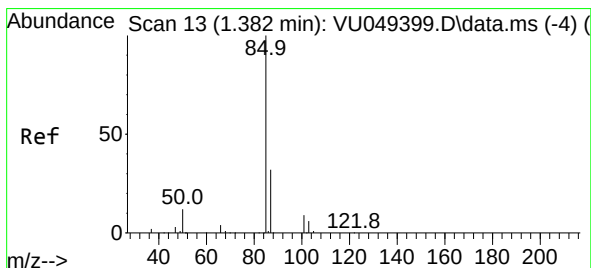
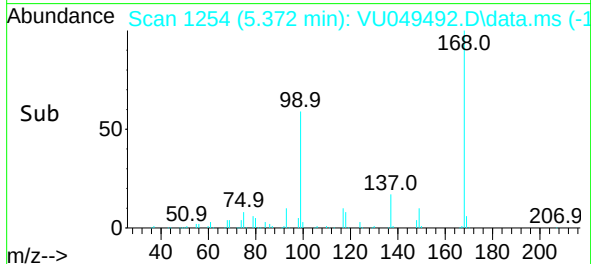
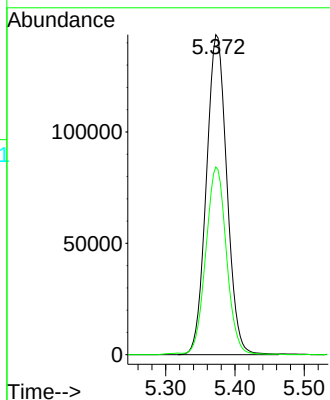
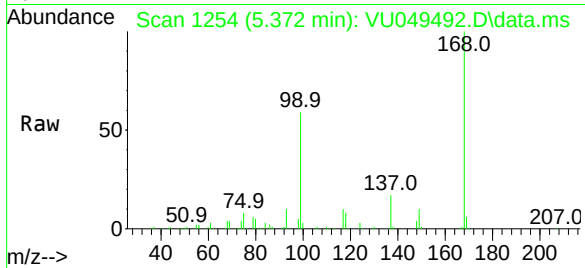




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

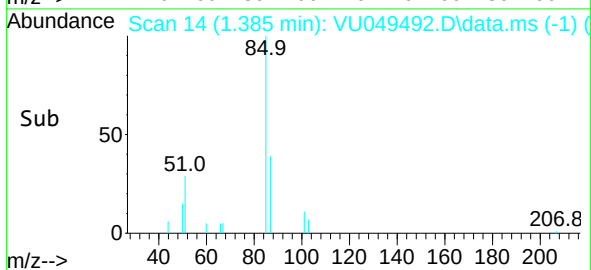
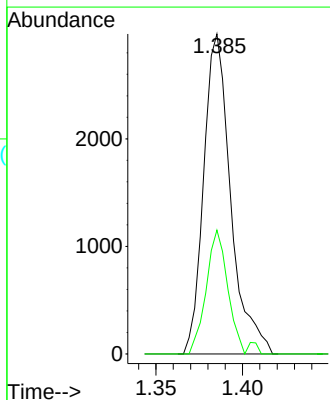
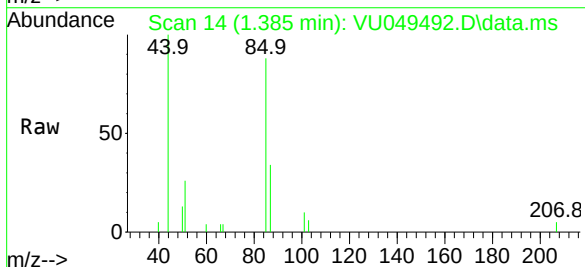
Instrument :
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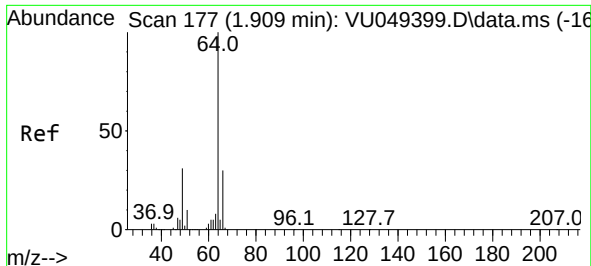
Tgt Ion:168 Resp: 295357
Ion Ratio Lower Upper
168 100
99 58.5 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.679 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 85 Resp: 3225
Ion Ratio Lower Upper
85 100
87 38.7 16.4 49.2

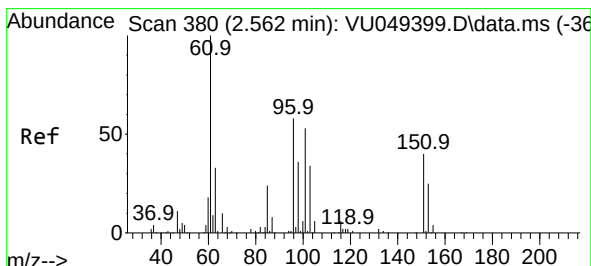
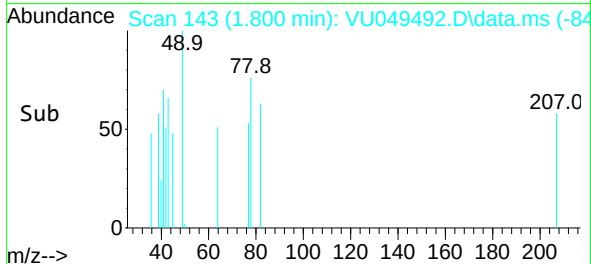
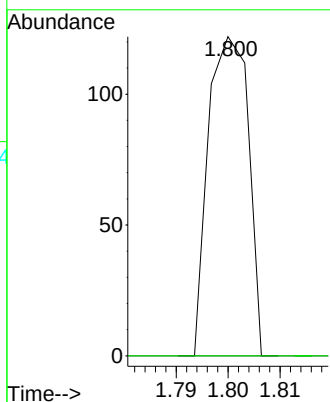
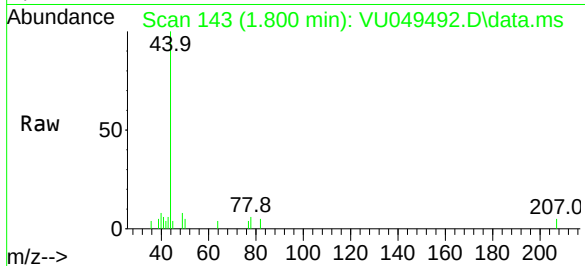




#6
Chloroethane
Concen: 1.944 ug/l
RT: 1.800 min Scan# 14
Delta R.T. -0.109 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

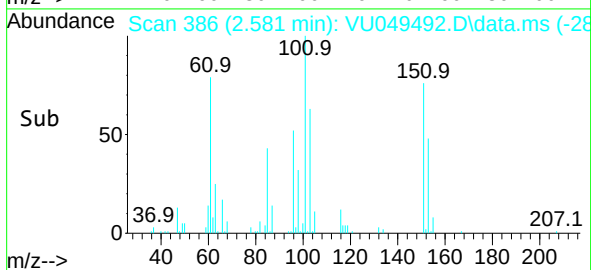
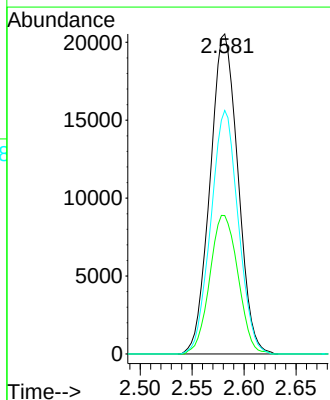
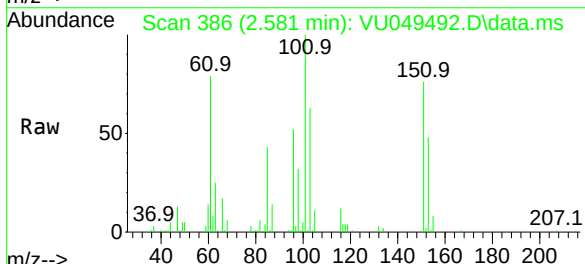
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

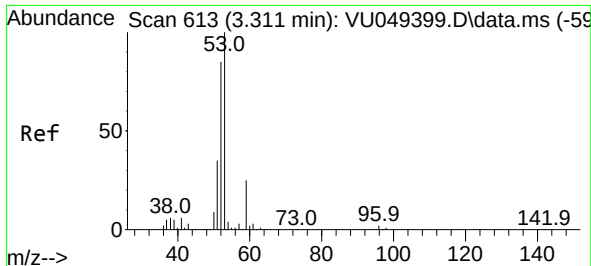
Tgt Ion: 64 Resp: 65
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.686 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion:101 Resp: 38289
Ion Ratio Lower Upper
101 100
85 43.8 33.9 50.9
151 75.1 64.0 96.0

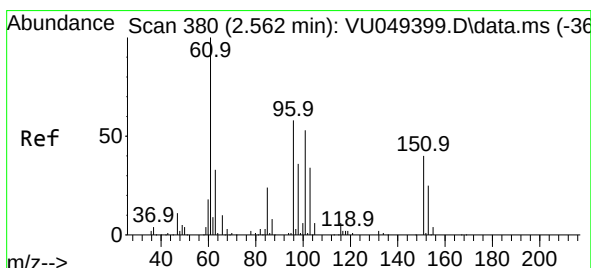
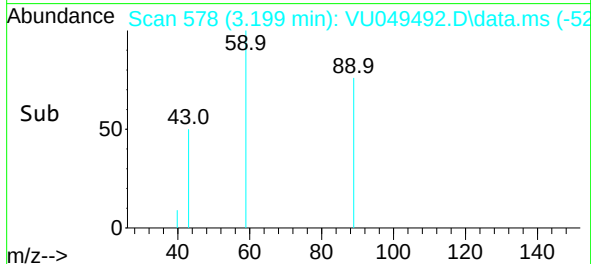
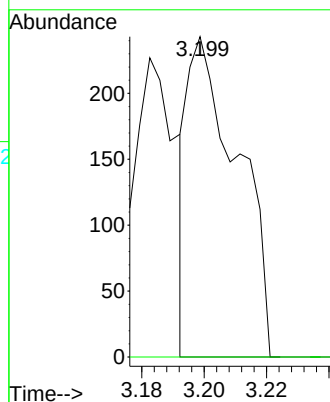
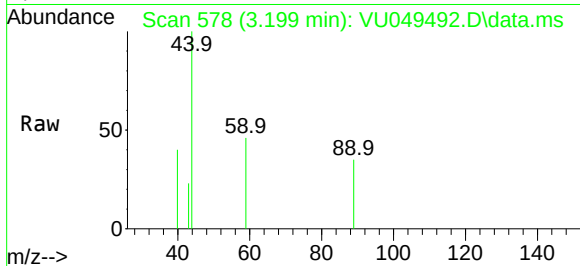




#11
Tert butyl alcohol
Concen: 0.255 ug/l
RT: 3.199 min Scan# 51
Delta R.T. -0.112 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

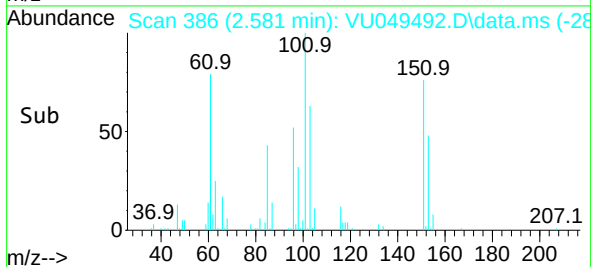
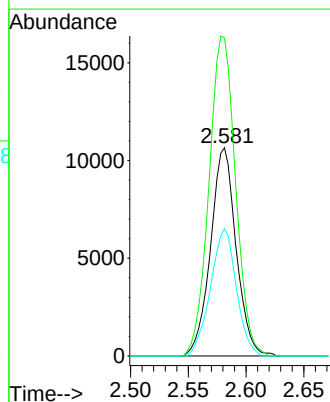
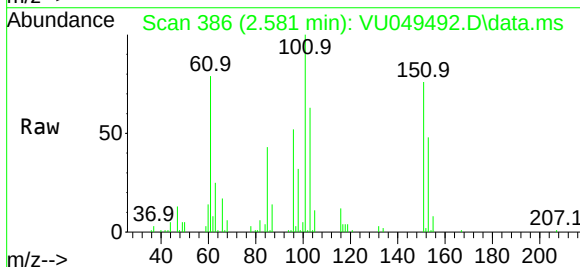
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

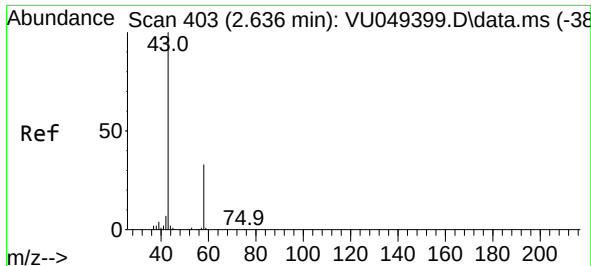
Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 5.118 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 96 Resp: 16419
Ion Ratio Lower Upper
96 100
61 152.8 122.2 183.2
98 61.1 50.7 76.1

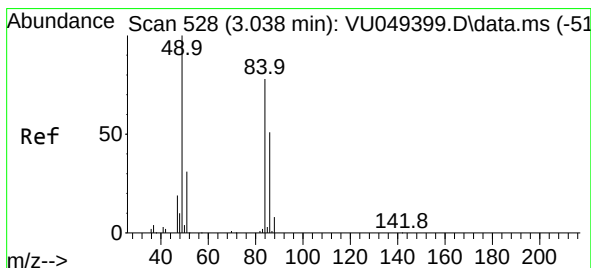
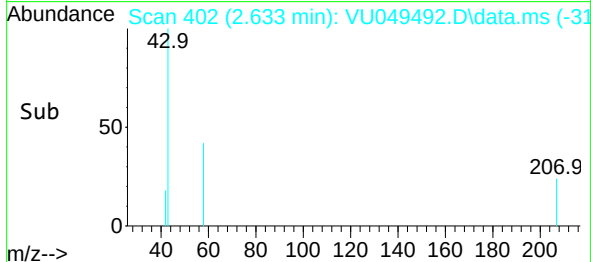
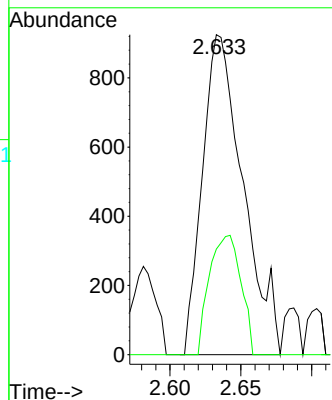
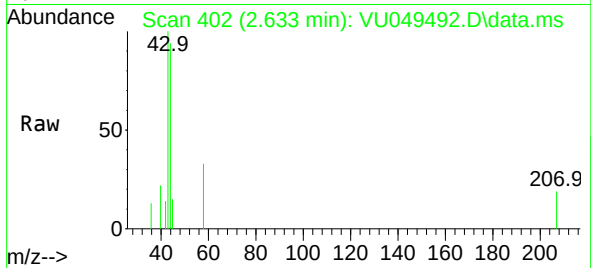




#16
Acetone
Concen: 0.803 ug/l
RT: 2.633 min Scan# 40
Delta R.T. -0.003 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

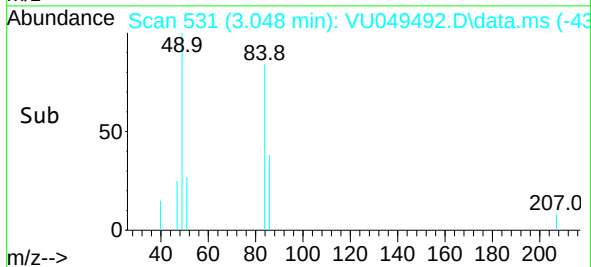
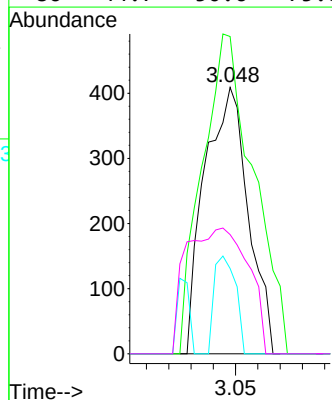
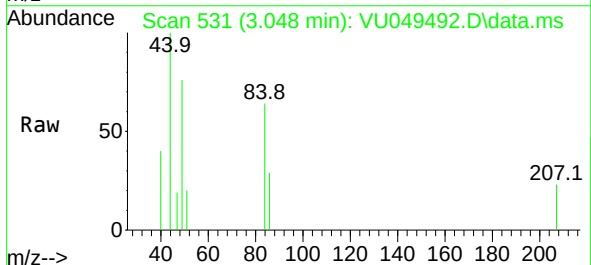
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

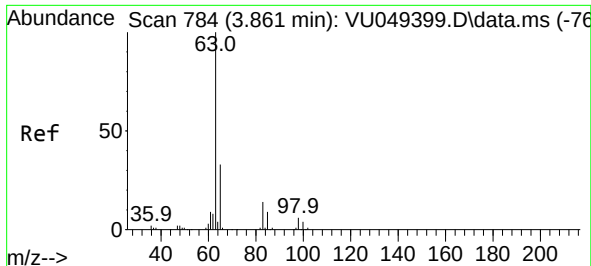
Tgt Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
58 33.0 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 3.048 min Scan# 531
Delta R.T. 0.010 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 84 Resp: 556
Ion Ratio Lower Upper
84 100
49 119.1 86.6 129.8
51 32.0 26.6 40.0
86 44.7 50.6 75.8#





#24

1,1-Dichloroethane

Concen: 0.785 ug/l

RT: 3.871 min Scan# 71

Delta R.T. 0.010 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

Instrument :

MSVOA_U

ClientSampleId :

RE115D1-20220620

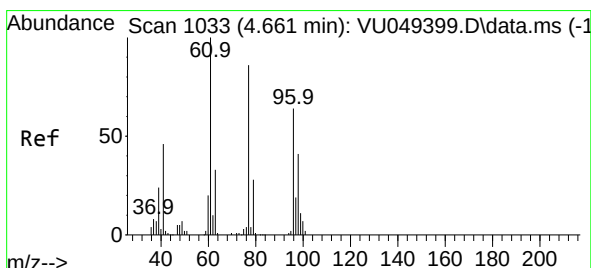
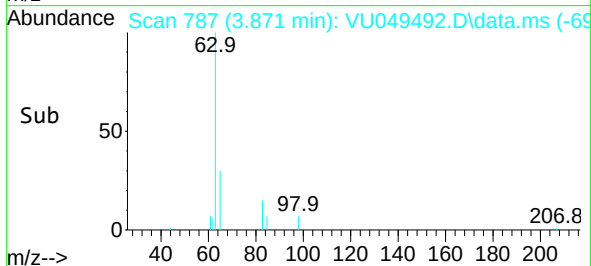
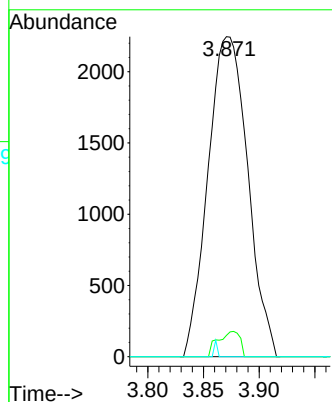
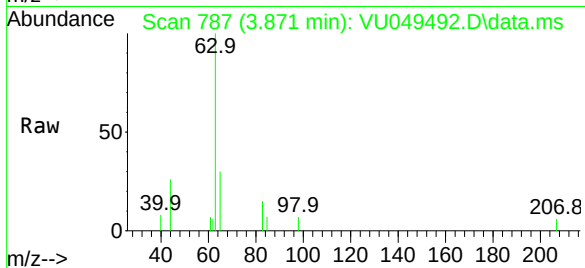
Tgt Ion: 63 Resp: 5582

Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

100 0.0 2.4 7.2#



#27

cis-1,2-Dichloroethene

Concen: 2.035 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.007 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

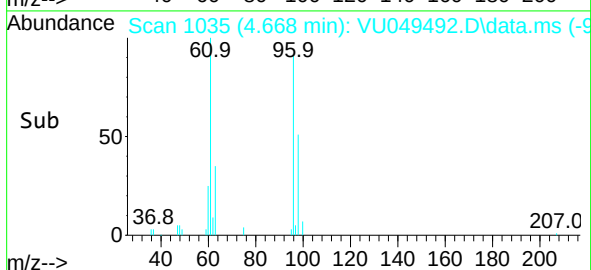
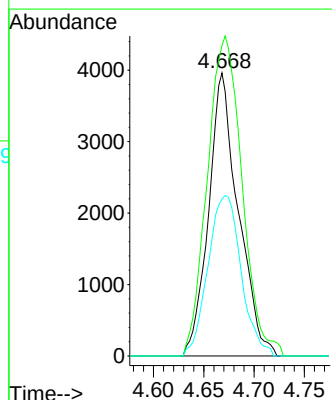
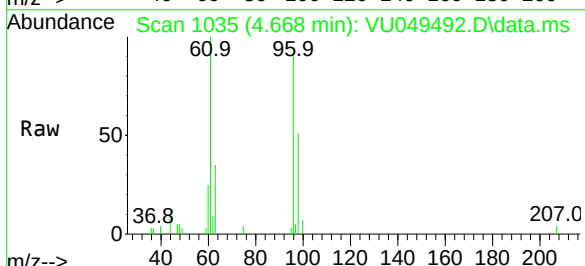
Tgt Ion: 96 Resp: 8131

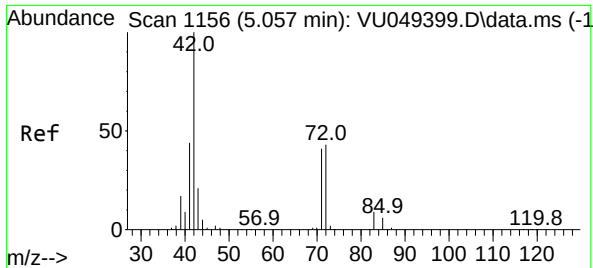
Ion Ratio Lower Upper

96 100

61 132.1 0.0 271.6

98 63.4 0.0 128.2





#29

Tetrahydrofuran

Concen: 0.204 ug/l

RT: 5.073 min Scan# 1156

Delta R.T. 0.016 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

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MSVOA_U

ClientSampleId :

RE115D1-20220620

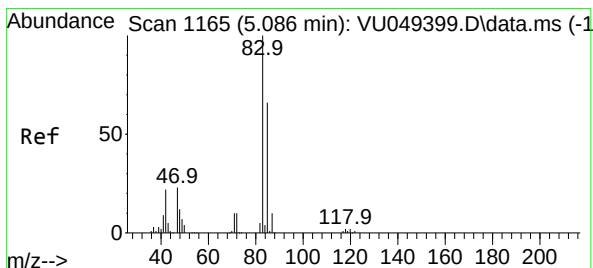
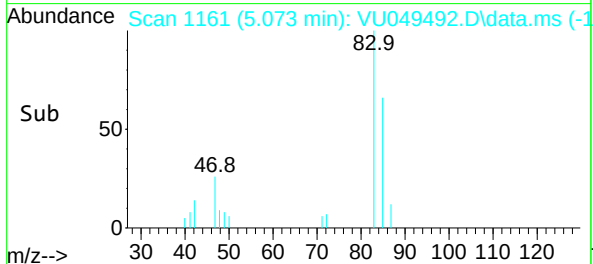
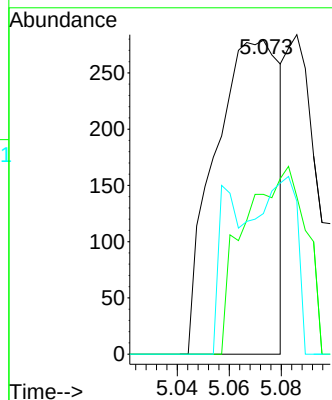
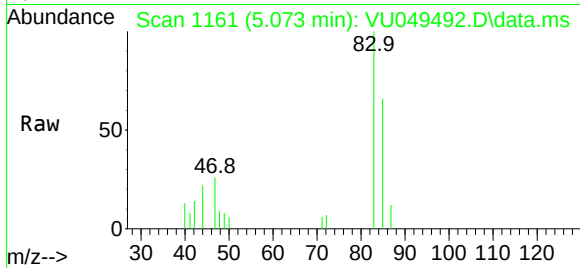
Tgt Ion: 42 Resp: 480

Ion Ratio Lower Upper

42 100

72 57.1 42.6 63.8

71 23.8 40.3 60.5#



#30

Chloroform

Concen: 1.291 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU049492.D

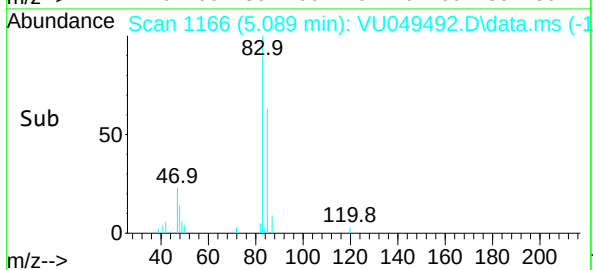
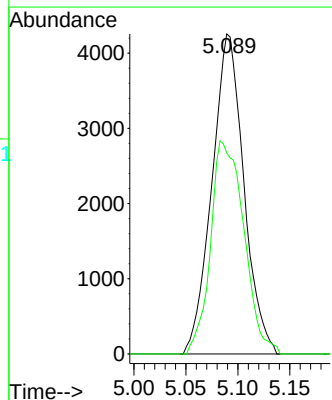
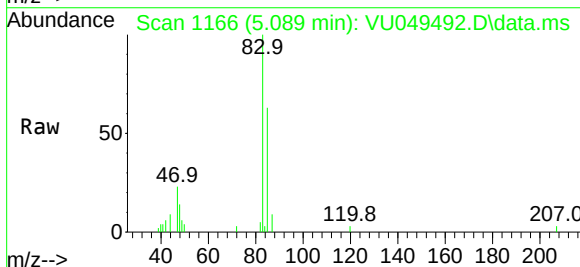
Acq: 29 Jun 2022 04:55

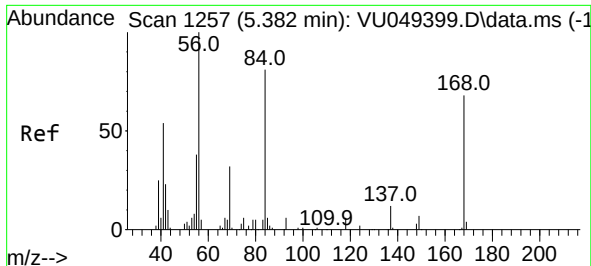
Tgt Ion: 83 Resp: 9079

Ion Ratio Lower Upper

83 100

85 62.8 51.2 76.8

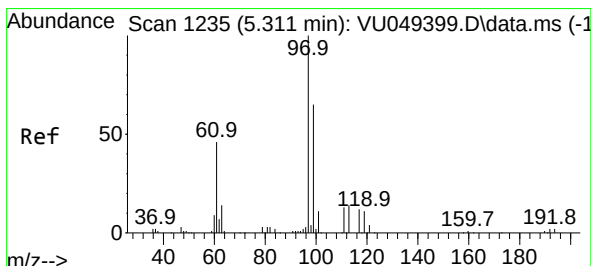
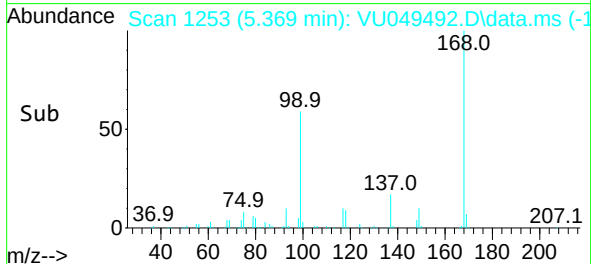
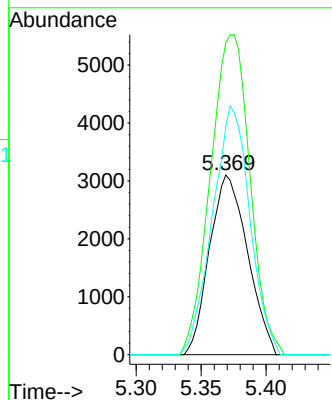
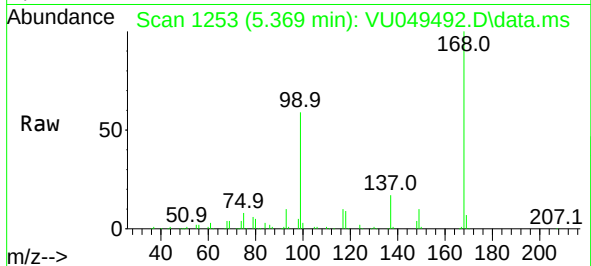




#31
Cyclohexane
Concen: 0.925 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

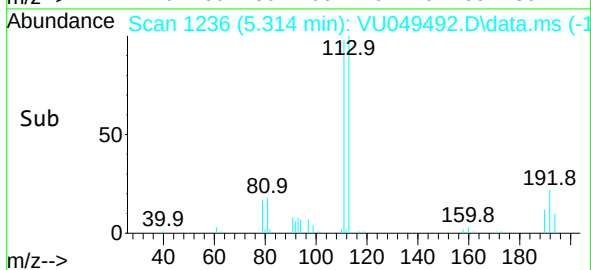
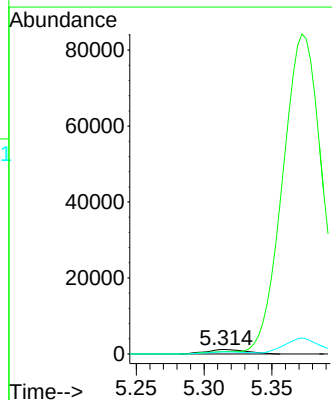
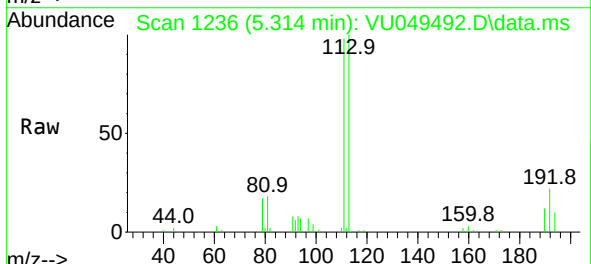
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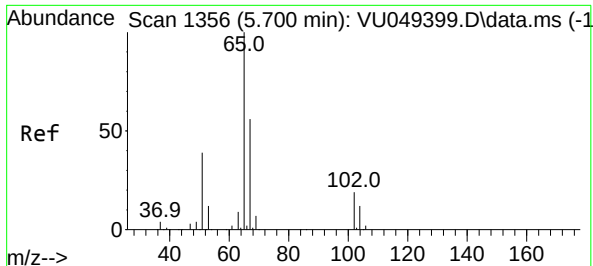
Tgt Ion: 56 Resp: 6315
Ion Ratio Lower Upper
56 100
69 173.5 27.8 41.8#
84 127.0 74.2 111.4#



#32
1,1,1-Trichloroethane
Concen: 0.398 ug/l
RT: 5.314 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 97 Resp: 2428
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 46.9 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 43.658 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

Instrument :

MSVOA_U

ClientSampleId :

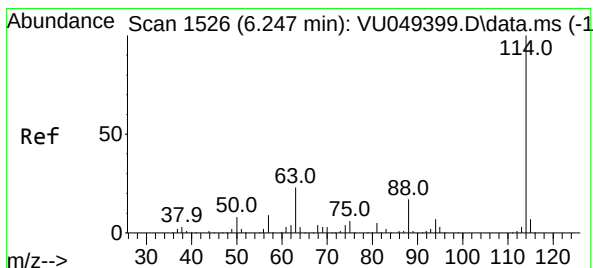
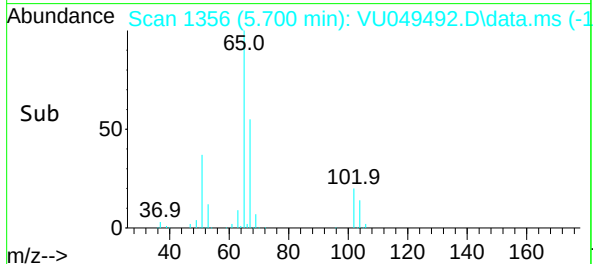
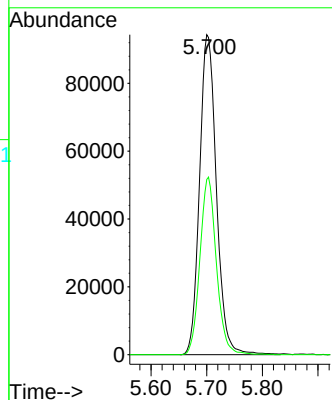
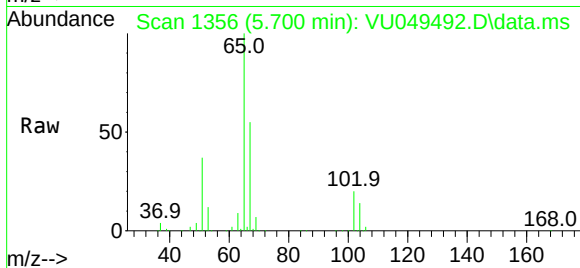
RE115D1-20220620

Tgt Ion: 65 Resp: 198587

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

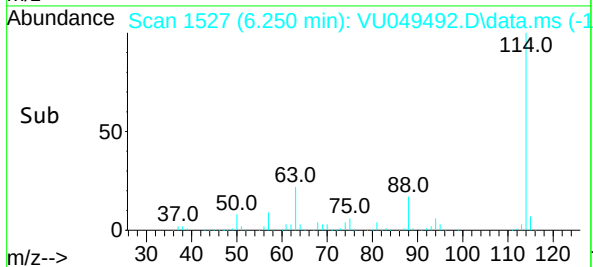
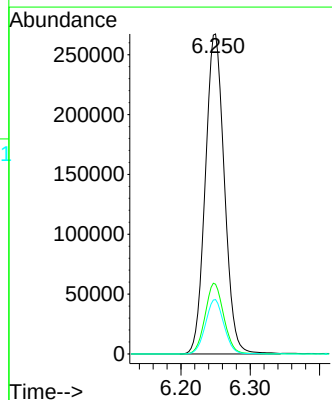
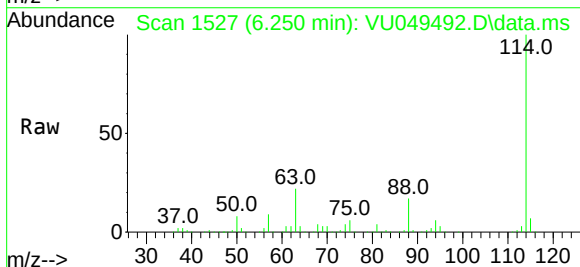
Tgt Ion: 114 Resp: 509156

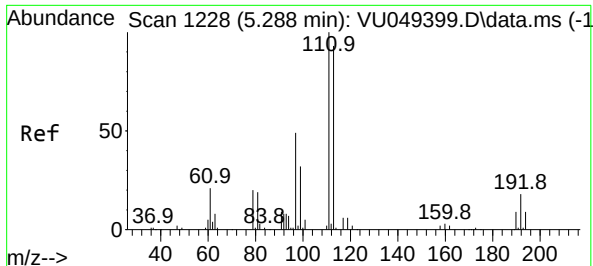
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 17.0 0.0 29.2

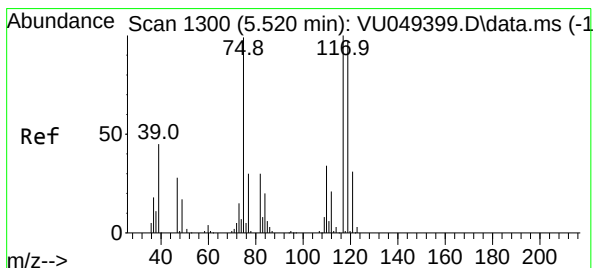
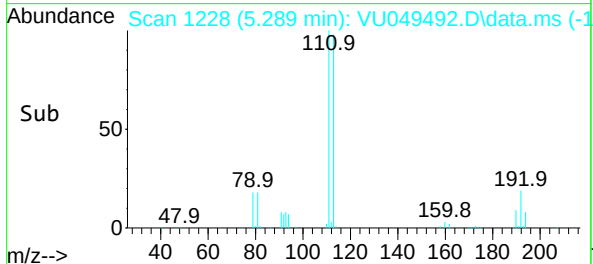
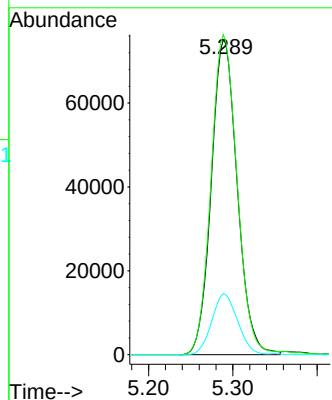
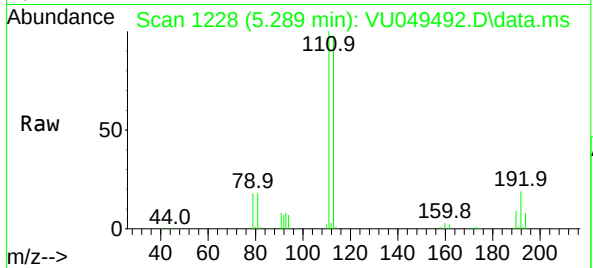




#35
Dibromofluoromethane
Concen: 45.042 ug/l
RT: 5.289 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

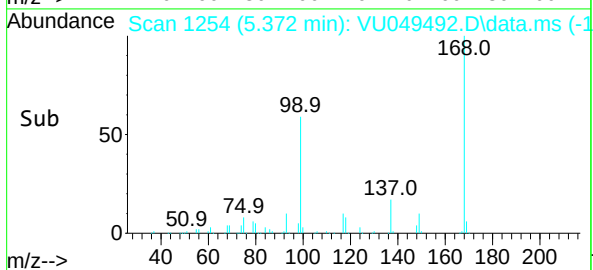
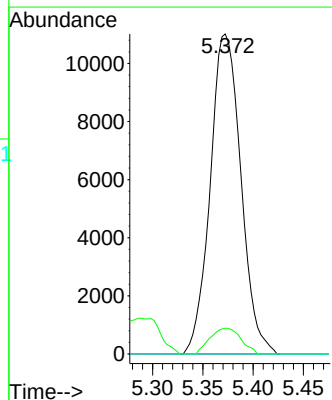
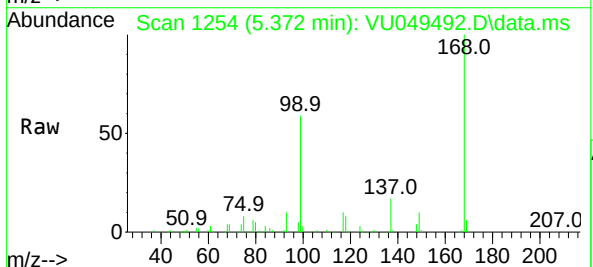
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

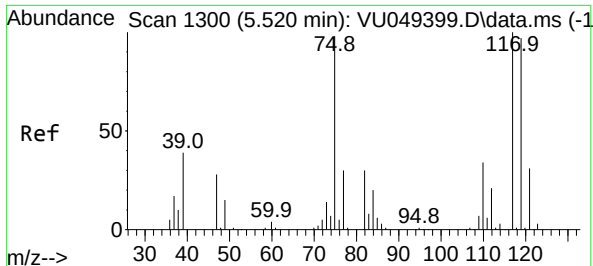
Tgt Ion:113 Resp: 160448
Ion Ratio Lower Upper
113 100
111 102.6 82.1 123.1
192 19.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.525 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 75 Resp: 23371
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 25.1 37.7#

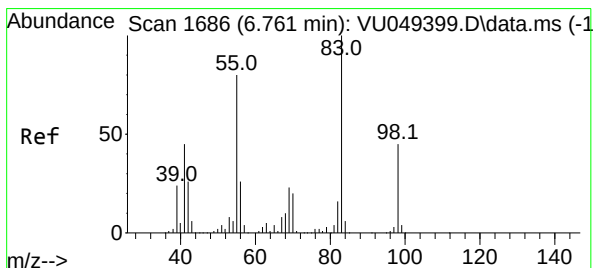
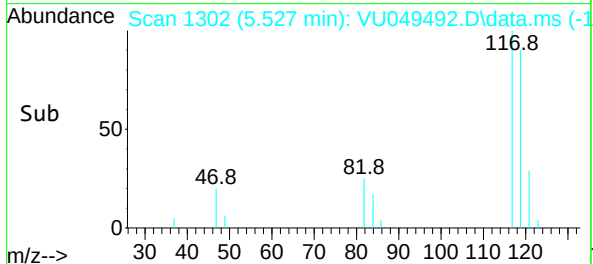
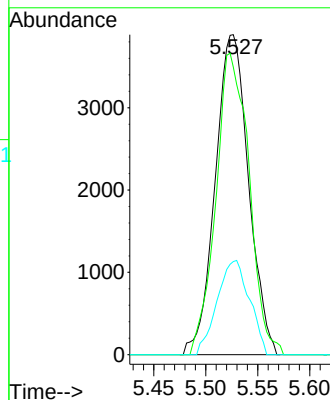
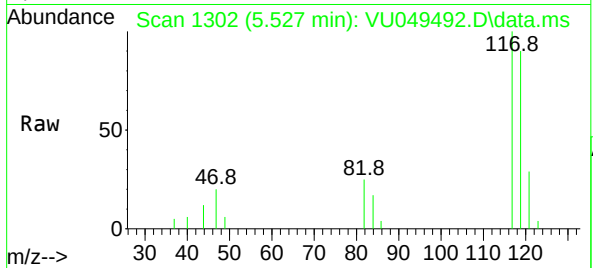




#38
Carbon Tetrachloride
Concen: 1.603 ug/l
RT: 5.527 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

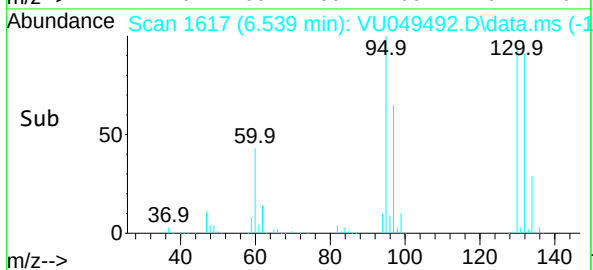
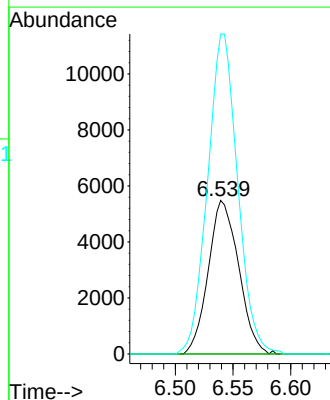
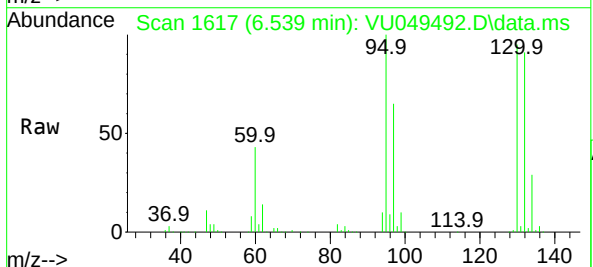
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

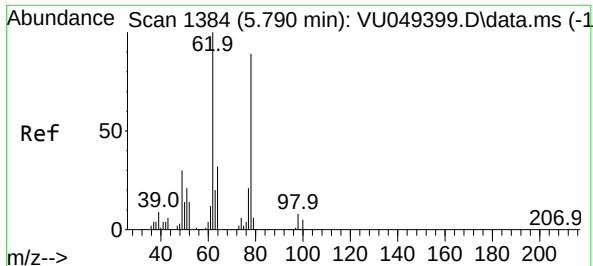
Tgt Ion:117 Resp: 8683
Ion Ratio Lower Upper
117 100
119 89.9 76.8 115.2
121 29.1 24.7 37.1



#39
Methylcyclohexane
Concen: 1.622 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.222 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 83 Resp: 10040
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 206.5 37.3 55.9#





#42

1,2-Dichloroethane

Concen: 0.226 ug/l

RT: 5.797 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

Instrument :

MSVOA_U

ClientSampleId :

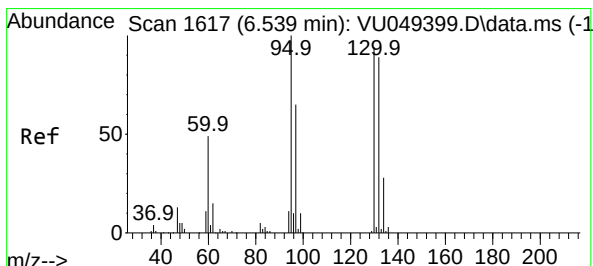
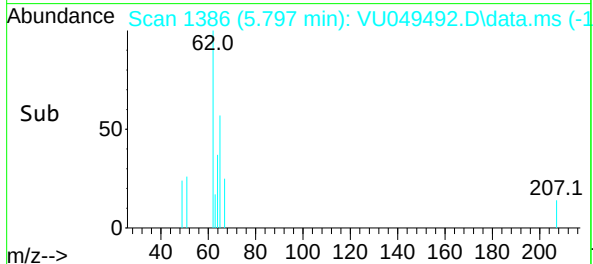
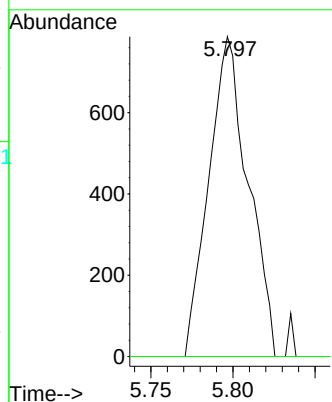
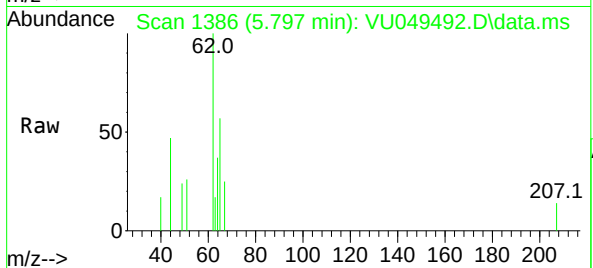
RE115D1-20220620

Tgt Ion: 62 Resp: 1310

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.6



#44

Trichloroethene

Concen: 218.713 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU049492.D

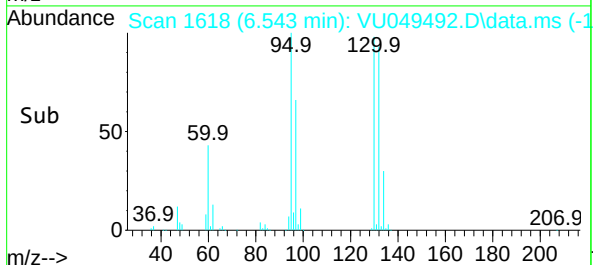
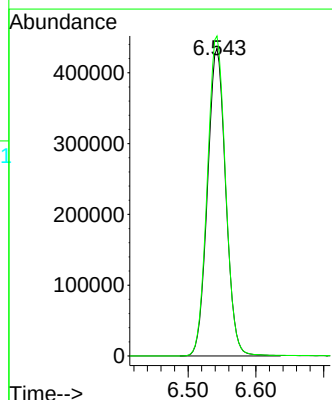
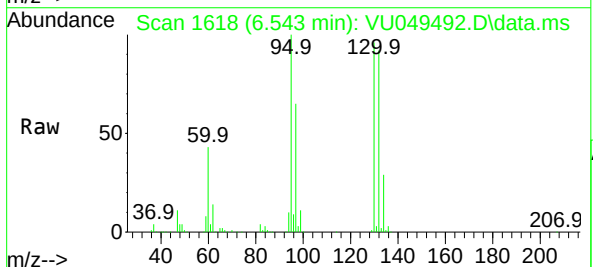
Acq: 29 Jun 2022 04:55

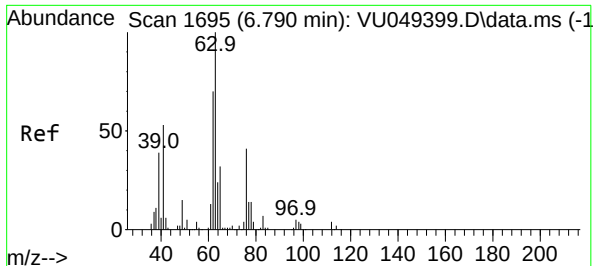
Tgt Ion:130 Resp: 810791

Ion Ratio Lower Upper

130 100

95 104.1 0.0 184.6





#45

1,2-Dichloropropane

Concen: 0.603 ug/l

RT: 6.543 min Scan# 1

Delta R.T. -0.247 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

Instrument :

MSVOA_U

ClientSampleId :

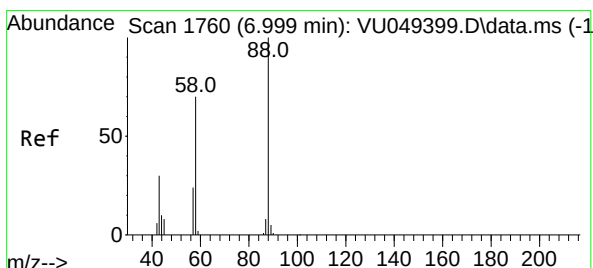
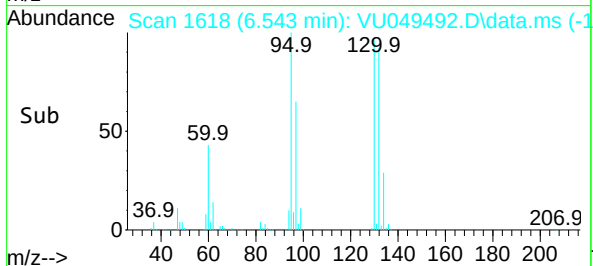
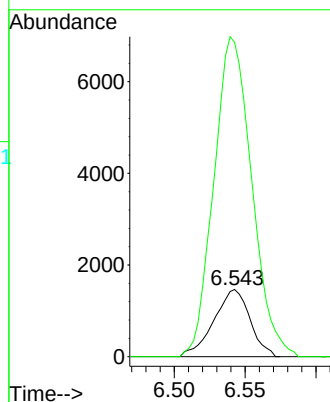
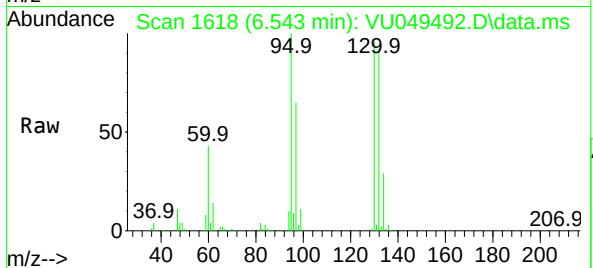
RE115D1-20220620

Tgt Ion: 63 Resp: 2604

Ion Ratio Lower Upper

63 100

65 467.6 25.0 37.4#



#49

1,4-Dioxane

Concen: 12.934 ug/l

RT: 6.989 min Scan# 1757

Delta R.T. -0.009 min

Lab File: VU049492.D

Acq: 29 Jun 2022 04:55

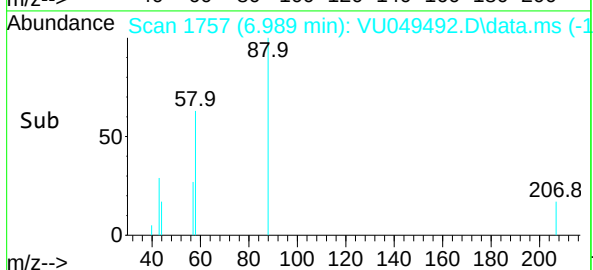
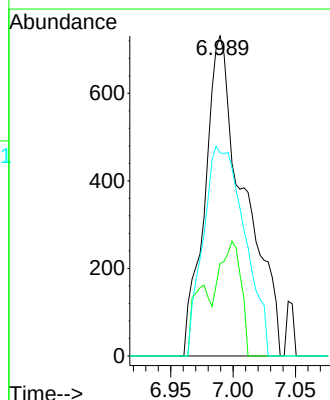
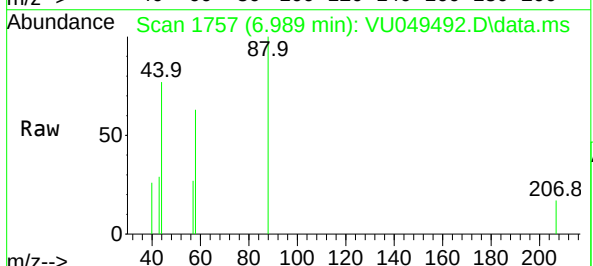
Tgt Ion: 88 Resp: 1606

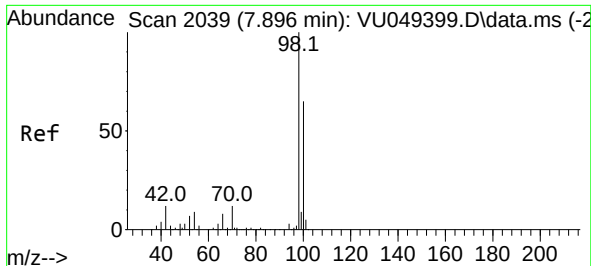
Ion Ratio Lower Upper

88 100

43 19.8 0.0 0.0#

58 68.9 15.4 23.0#

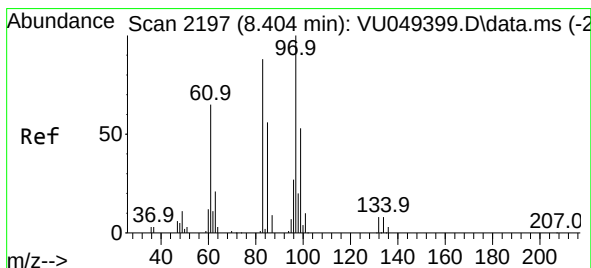
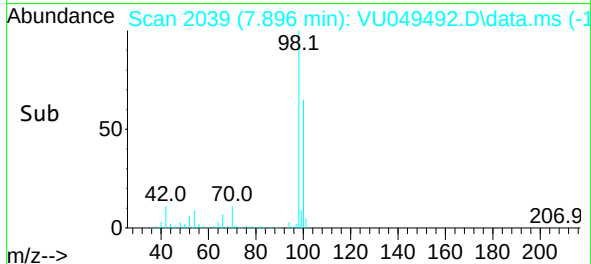
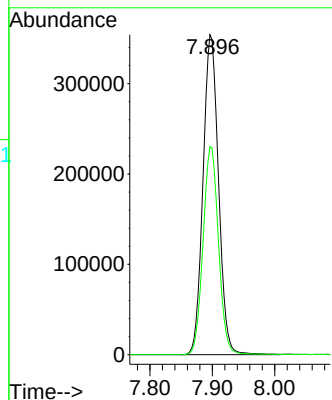
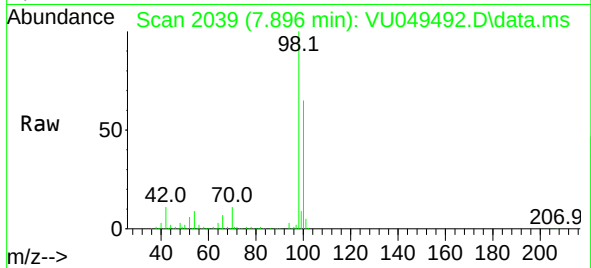




#50
Toluene-d8
Concen: 48.212 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

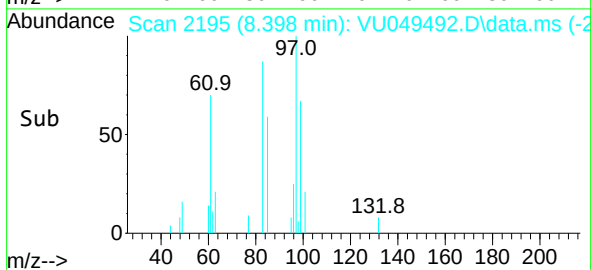
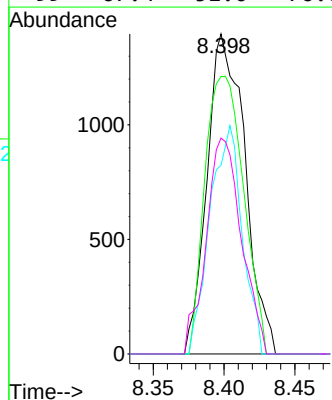
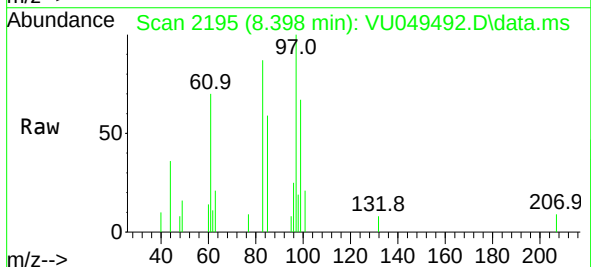
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

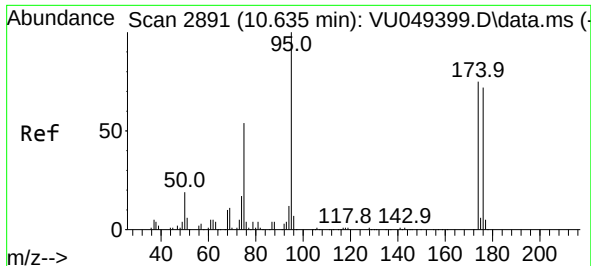
Tgt Ion: 98 Resp: 612555
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 0.677 ug/l
RT: 8.398 min Scan# 2195
Delta R.T. -0.006 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 97 Resp: 2593
Ion Ratio Lower Upper
97 100
83 86.7 70.2 105.4
85 59.0 44.6 66.8
99 67.4 51.0 76.6

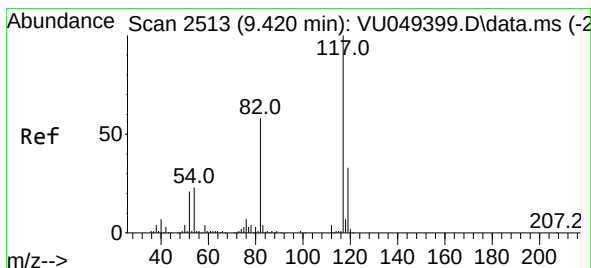
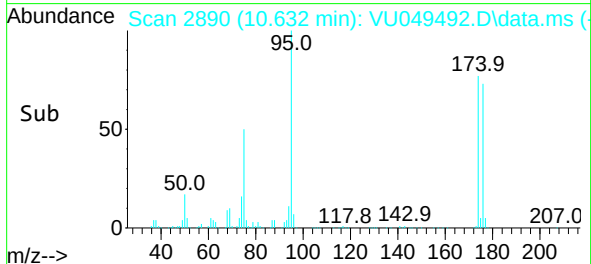
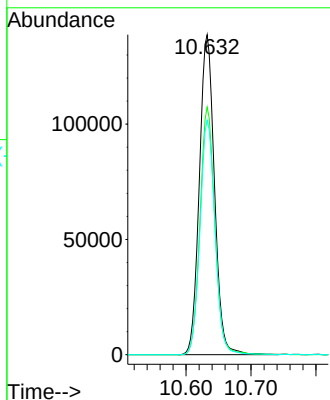
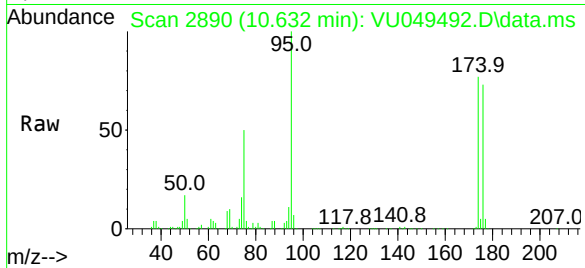




#62
4-Bromofluorobenzene
Concen: 46.245 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

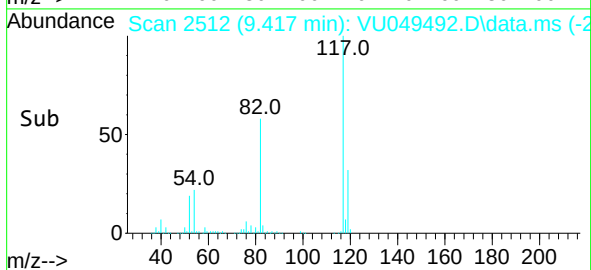
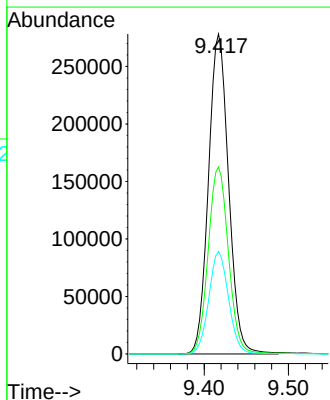
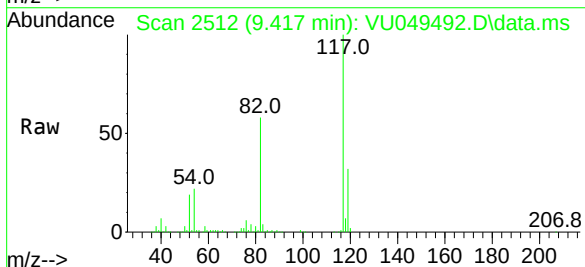
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

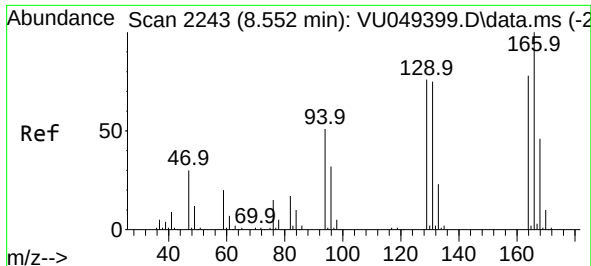
Tgt Ion: 95 Resp: 225075
Ion Ratio Lower Upper
95 100
174 76.0 0.0 182.0
176 72.5 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 117 Resp: 461863
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 32.0 25.7 38.5

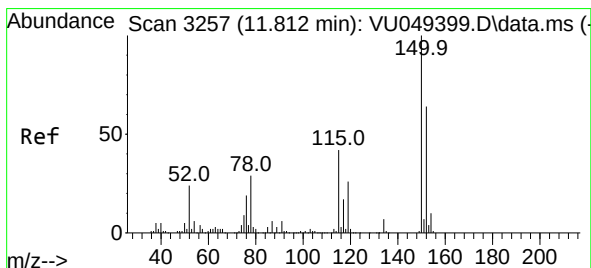
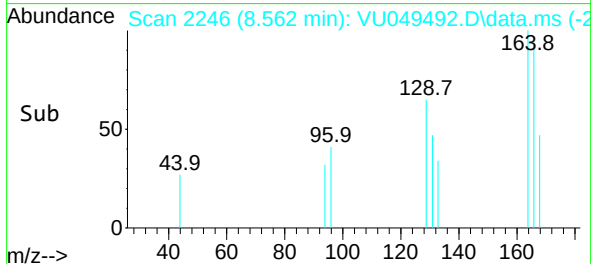
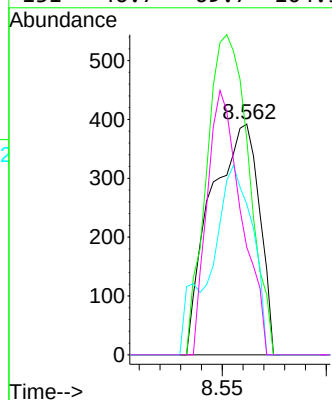
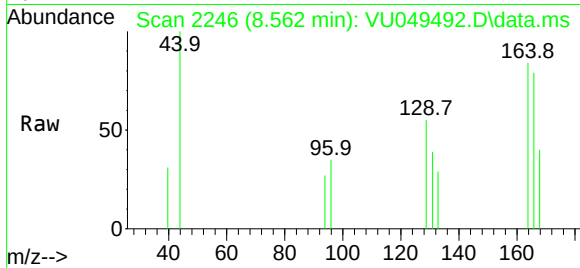




#64
Tetrachloroethene
Concen: 0.214 ug/l
RT: 8.562 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

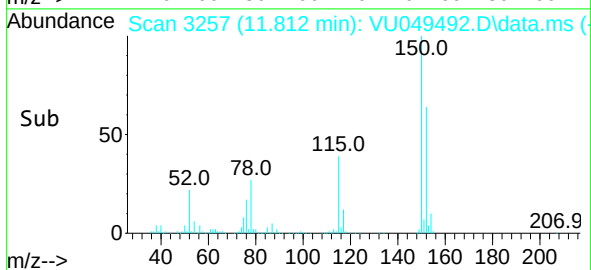
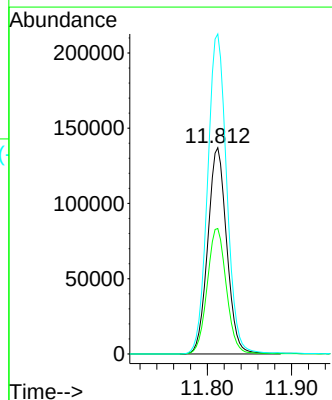
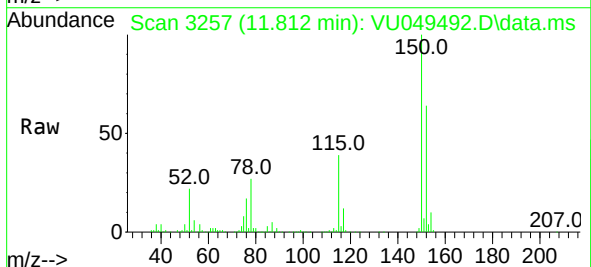
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

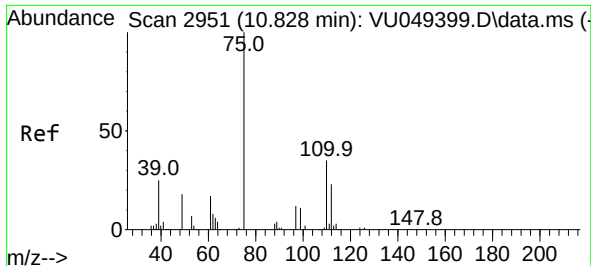
Tgt Ion:164	Resp:	635
Ion	Ratio	Lower Upper
164	100	
166	93.6	100.0 150.0#
129	65.3	72.0 108.0#
131	46.7	69.7 104.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion:152	Resp:	214495
Ion	Ratio	Lower Upper
152	100	
115	61.7	37.0 110.9
150	156.6	0.0 342.2

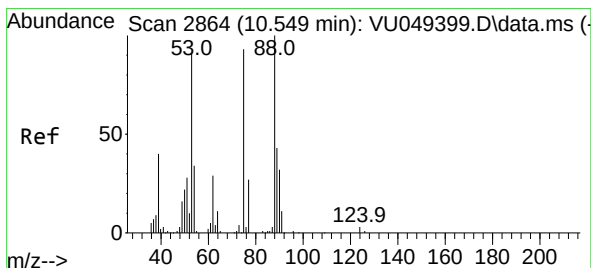
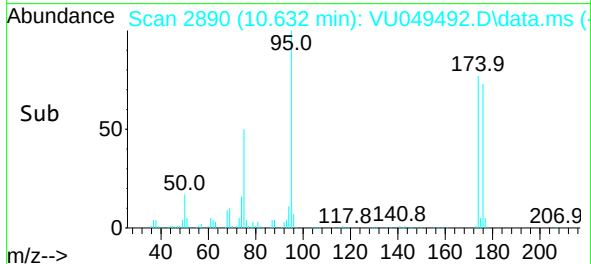
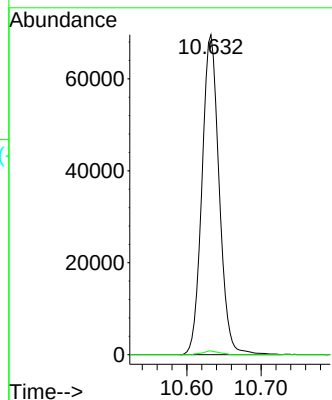
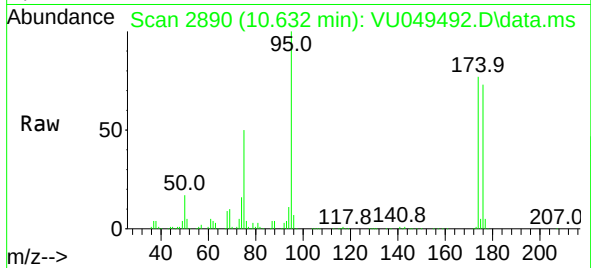




#76
1,2,3-Trichloropropane
Concen: 15.402 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

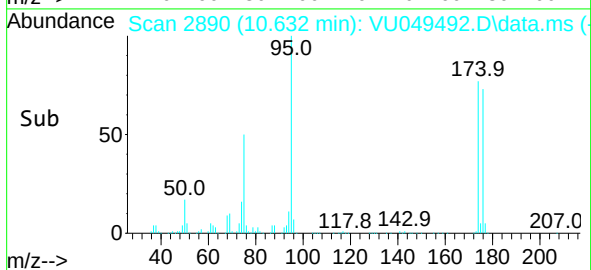
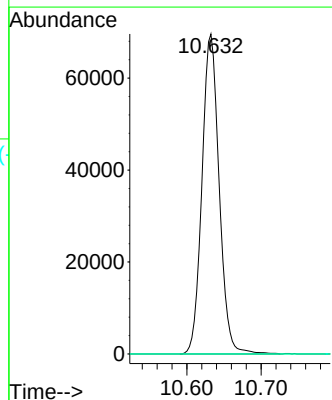
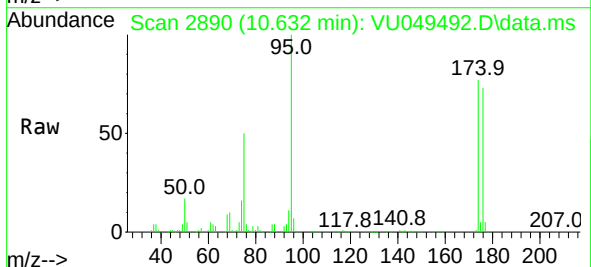
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20220620

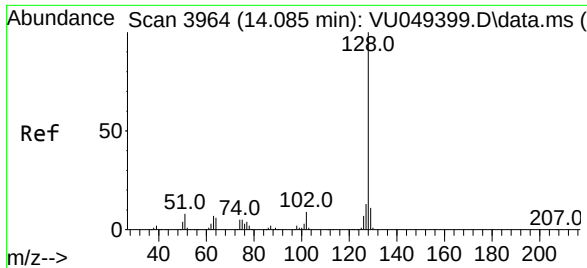
Tgt Ion: 75 Resp: 111993
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.879 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049492.D
Acq: 29 Jun 2022 04:55

Tgt Ion: 75 Resp: 111993
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 1.760 ug/l

RT: 14.108 min Scan# 3964

Delta R.T. 0.023 min

Lab File: VU049492.D

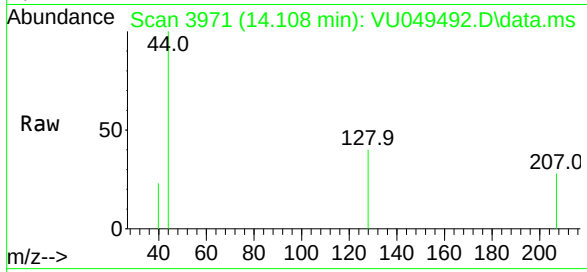
Acq: 29 Jun 2022 04:55

Instrument :

MSVOA_U

ClientSampleId :

RE115D1-20220620



Tgt Ion:128 Resp: 417

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

