

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048728.D
 Acq On : 28 May 2022 05:55
 Operator : SY/MD
 Sample : N3033-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-2

Quant Time: May 30 03:02:50 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)

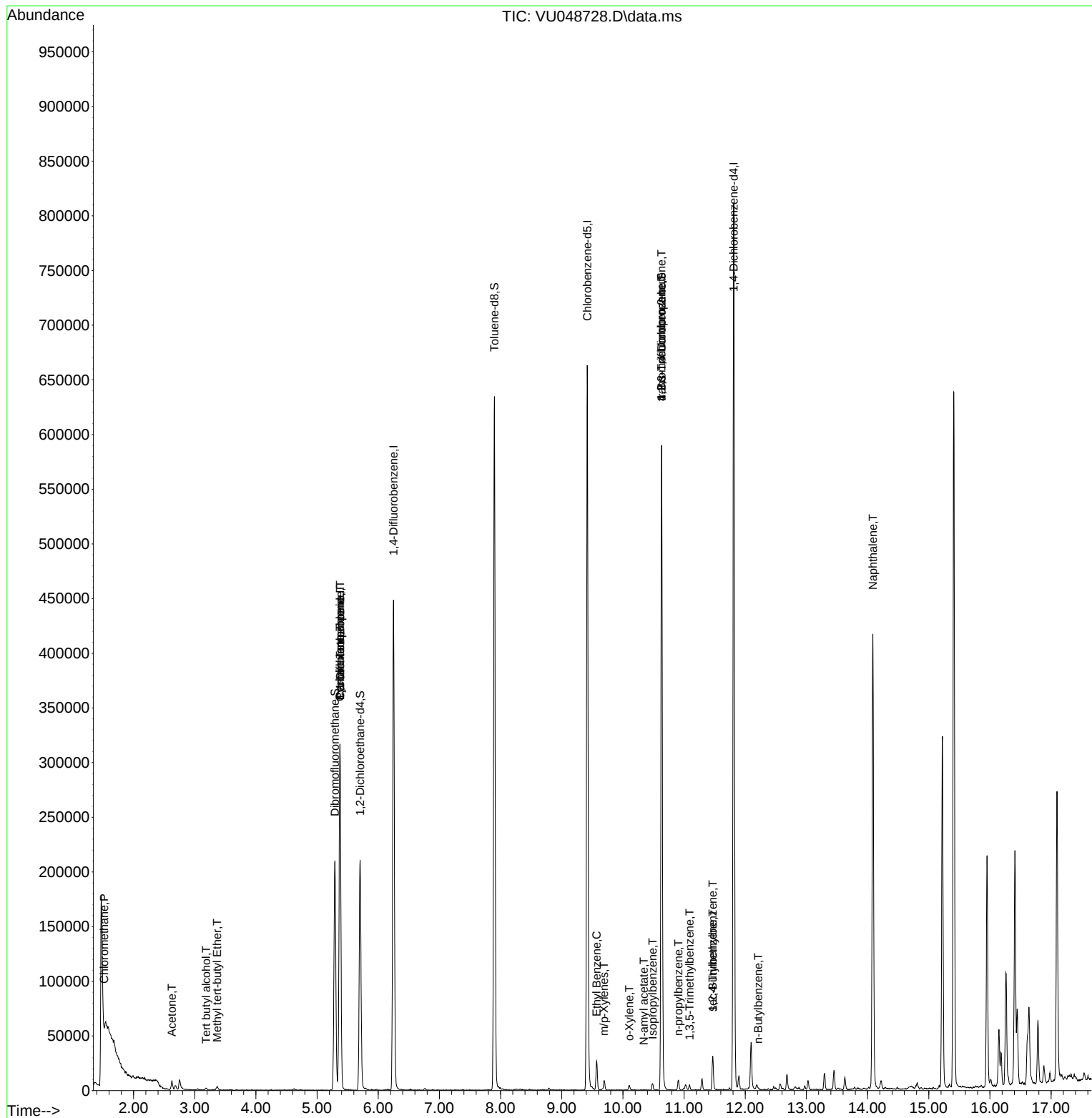
Internal Standards						
1) Pentafluorobenzene	5.375	168	217289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	364708	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	365817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	218308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	163664	50.153	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.300%			
35) Dibromofluoromethane	5.292	113	138291	53.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	7.899	98	426458	45.723	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.440%#			
62) 4-Bromofluorobenzene	10.632	95	198367	56.237	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.480%			
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	642	0.200	ug/l #	43
6) Chloroethane	1.983	64	1128	Below Cal	#	46
11) Tert butyl alcohol	3.189	59	1300	1.571	ug/l #	28
13) Acrolein	2.491	56	86	Below Cal	#	14
16) Acetone	2.626	43	8546	5.139	ug/l	95
19) Methyl tert-butyl Ether	3.366	73	3482	0.415	ug/l #	90
31) Cyclohexane	5.372	56	4071	0.990	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17209	4.532	ug/l #	50
38) Carbon Tetrachloride	5.375	117	21922	5.032	ug/l #	17
67) Ethyl Benzene	9.571	91	18844	1.444	ug/l	96
68) m/p-Xylenes	9.694	106	2525	0.495	ug/l	90
69) o-Xylene	10.102	106	1245	0.248	ug/l	94
73) Isopropylbenzene	10.485	105	4536	0.322	ug/l	95
74) N-amyl acetate	10.343	43	44	2.473	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	100460	14.272	ug/l #	47
78) n-propylbenzene	10.909	91	7101	0.423	ug/l	100
80) 1,3,5-Trimethylbenzene	11.089	105	2860	0.233	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.632	75	100460	51.821	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	18209	2.533	ug/l	96
85) sec-Butylbenzene	11.468	105	18209	1.237	ug/l #	58
89) n-Butylbenzene	12.211	91	1286	2.283	ug/l #	60
95) Naphthalene	14.086	128	345428	21.616	ug/l	99

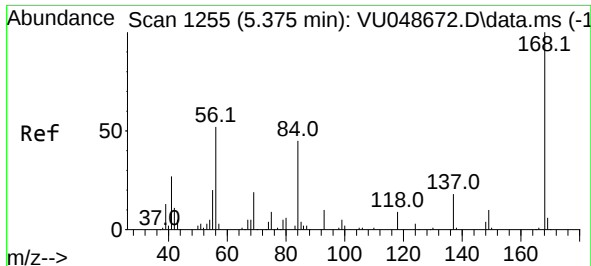
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

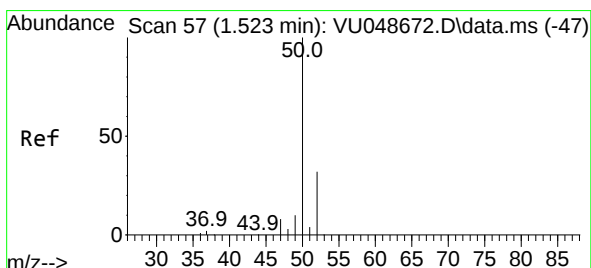
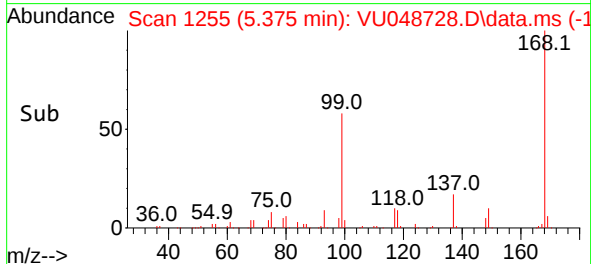
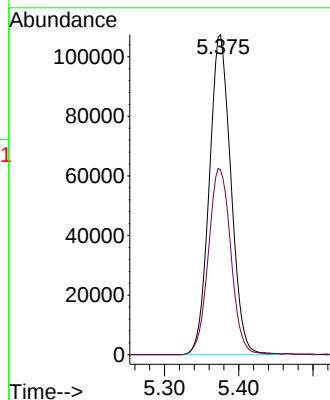
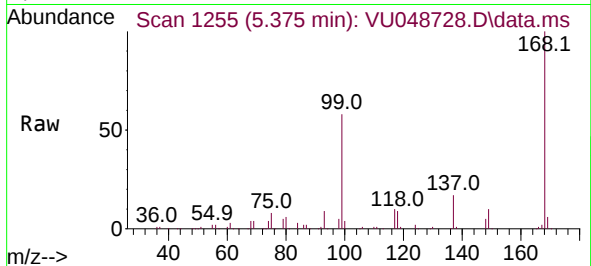




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

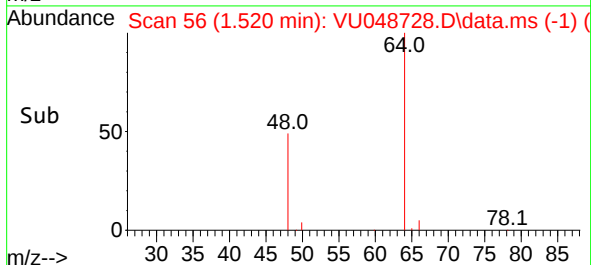
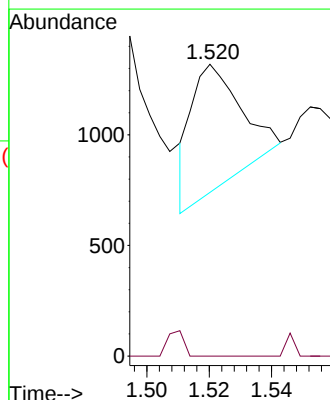
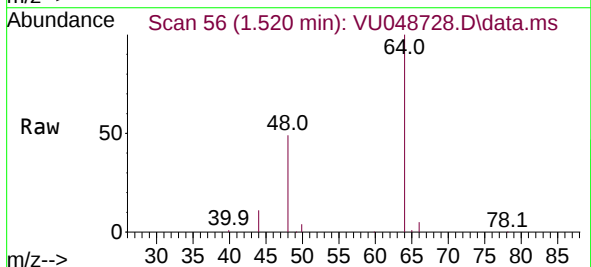
Instrument :
MSVOA_U
ClientSampleId :
TW-2

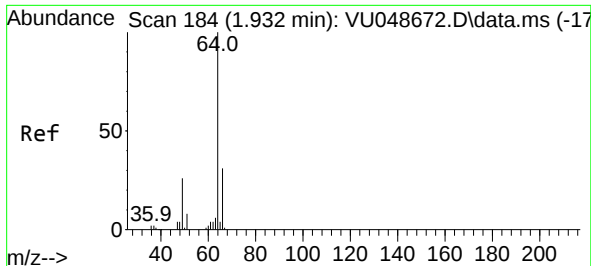
Tgt Ion:168 Resp: 217289
Ion Ratio Lower Upper
168 100
99 57.8 49.3 73.9



#3
Chloromethane
Concen: 0.200 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion: 50 Resp: 642
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

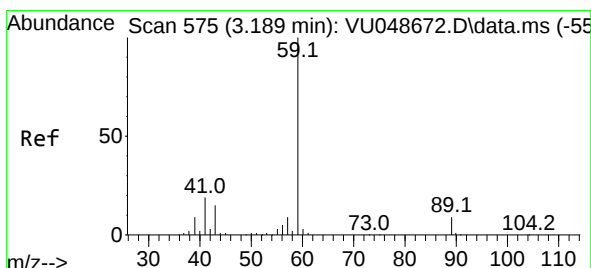
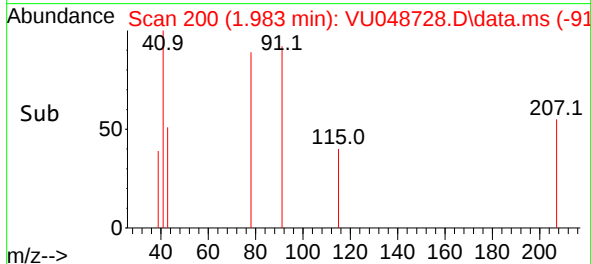
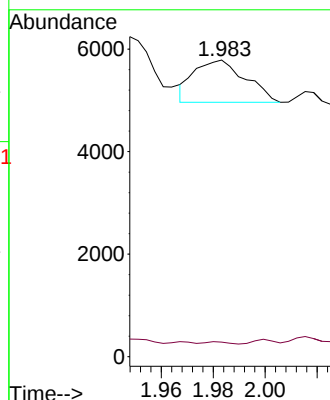
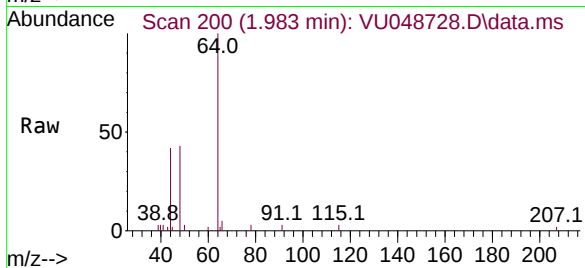




#6
Chloroethane
Concen: Below Cal
RT: 1.983 min Scan# 20
Delta R.T. 0.051 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

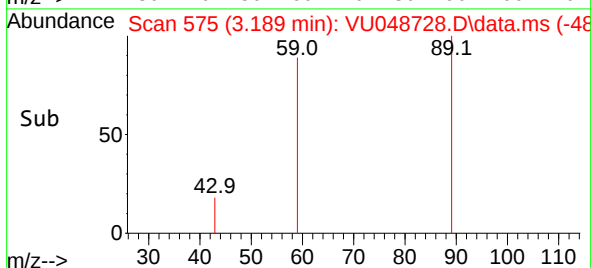
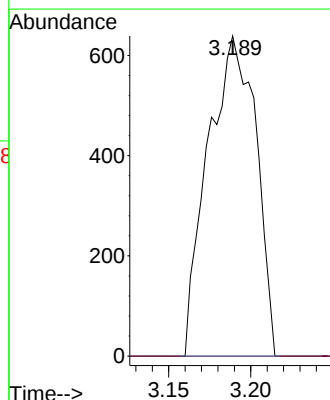
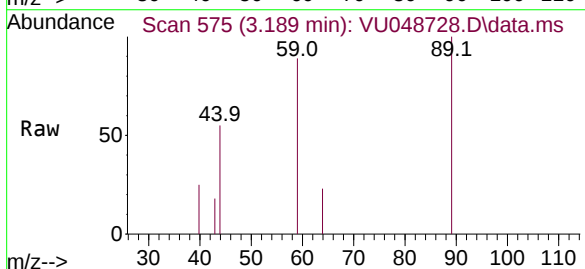
Instrument :
MSVOA_U
ClientSampleId :
TW-2

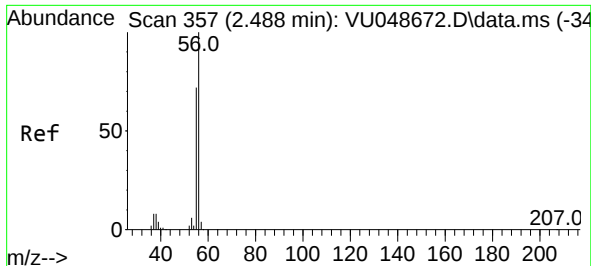
Tgt Ion: 64 Resp: 1128
Ion Ratio Lower Upper
64 100
66 1.8 25.2 37.8#



#11
Tert butyl alcohol
Concen: 1.571 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion: 59 Resp: 1300
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

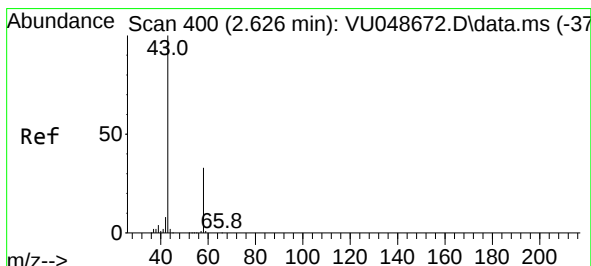
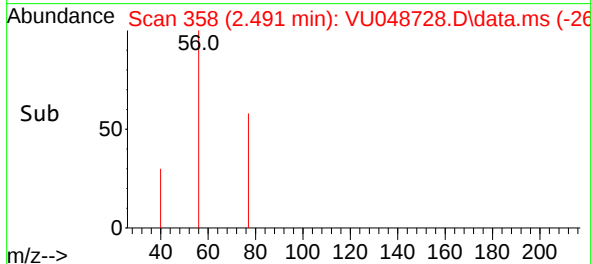
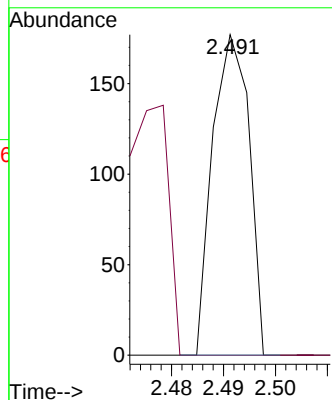
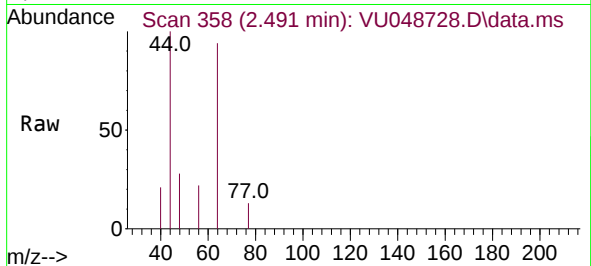




#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

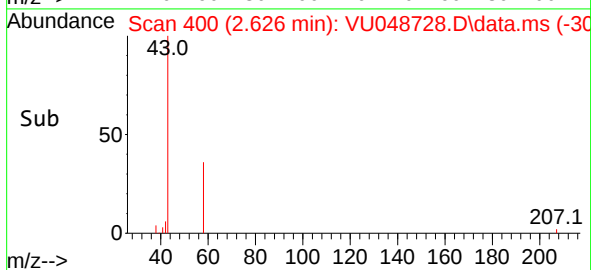
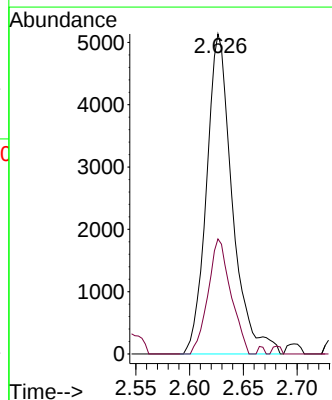
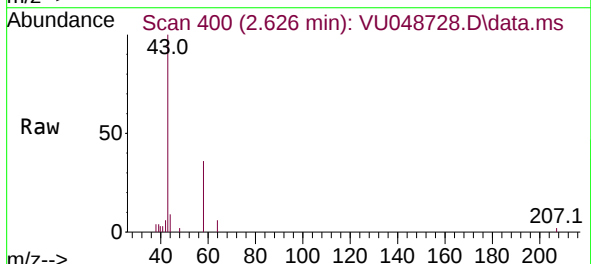
Instrument :
MSVOA_U
ClientSampleId :
TW-2

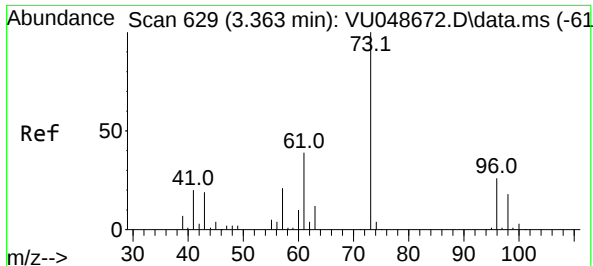
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 5.139 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion: 43 Resp: 8546
Ion Ratio Lower Upper
43 100
58 36.0 26.3 39.5





#19

Methyl tert-butyl Ether

Concen: 0.415 ug/l

RT: 3.366 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

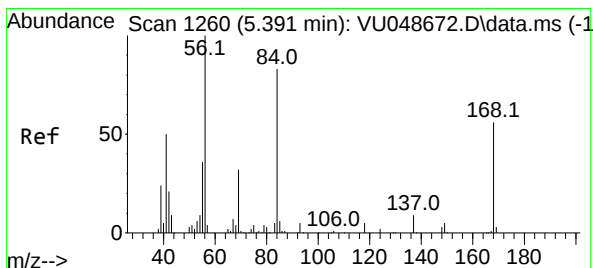
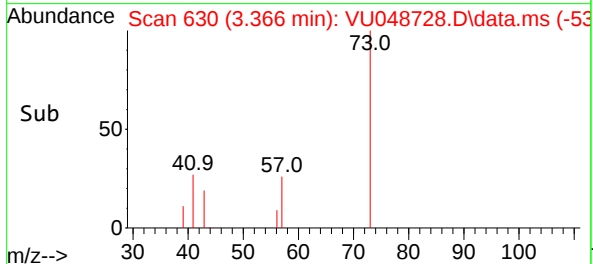
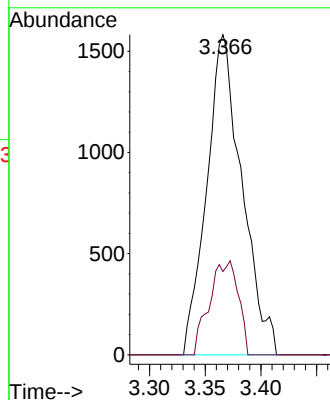
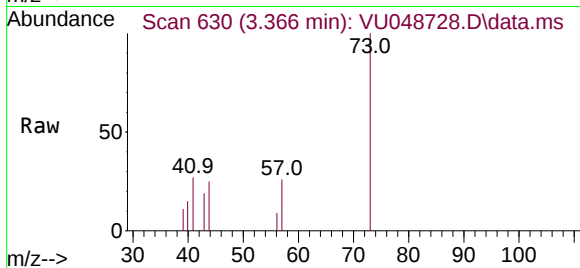
TW-2

Tgt Ion: 73 Resp: 3482

Ion Ratio Lower Upper

73 100

57 26.0 17.1 25.7#



#31

Cyclohexane

Concen: 0.990 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

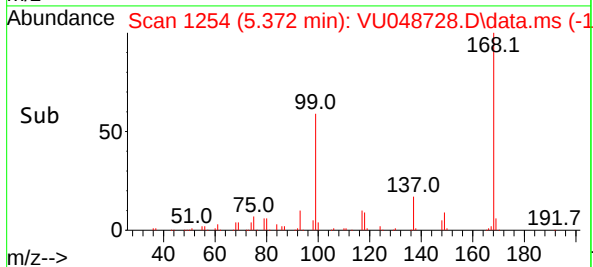
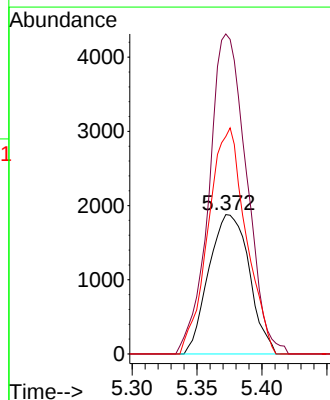
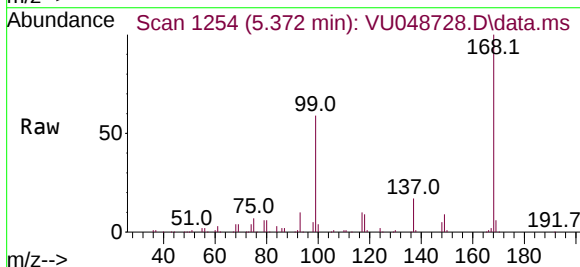
Tgt Ion: 56 Resp: 4071

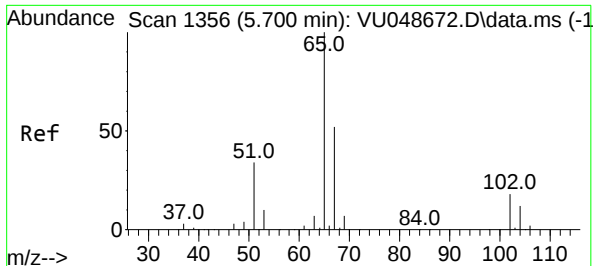
Ion Ratio Lower Upper

56 100

69 223.7 25.6 38.4#

84 155.9 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.153 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

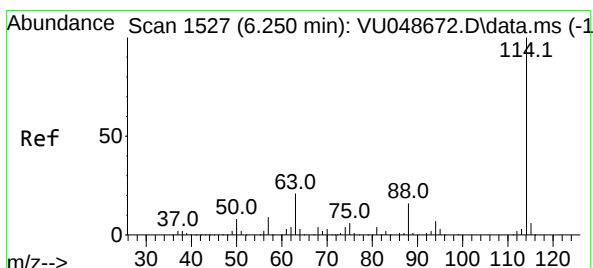
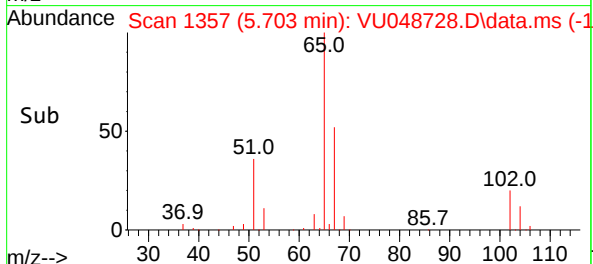
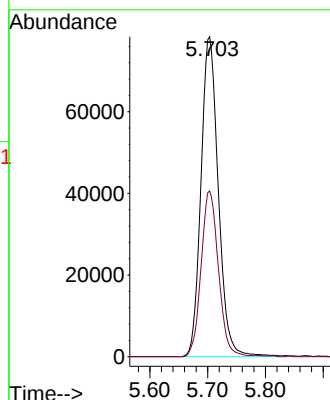
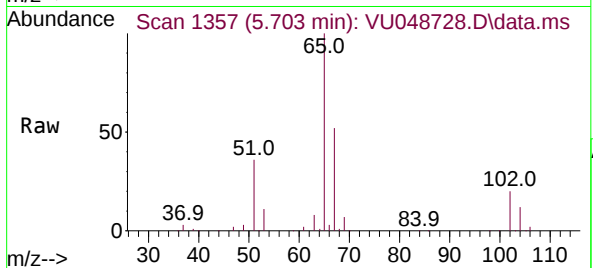
TW-2

Tgt Ion: 65 Resp: 163664

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

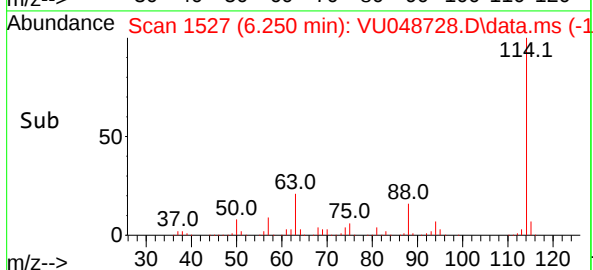
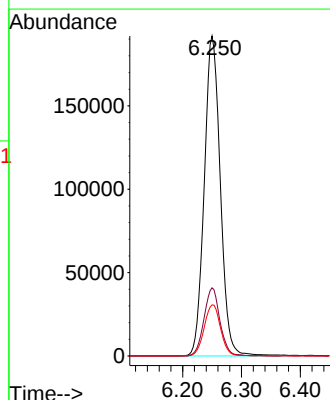
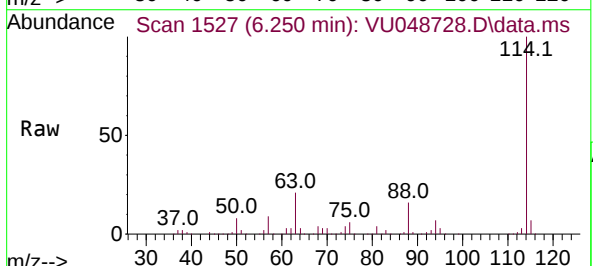
Tgt Ion: 114 Resp: 364708

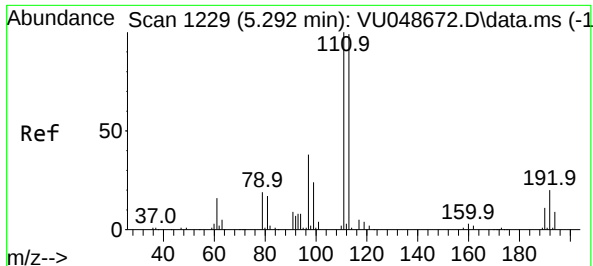
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.0 0.0 32.2

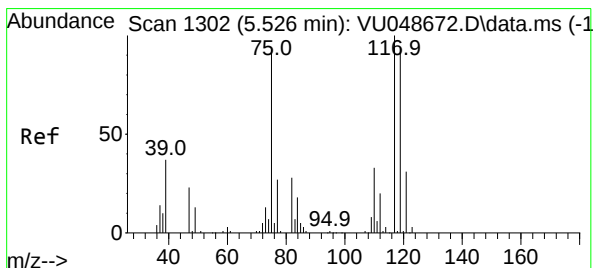
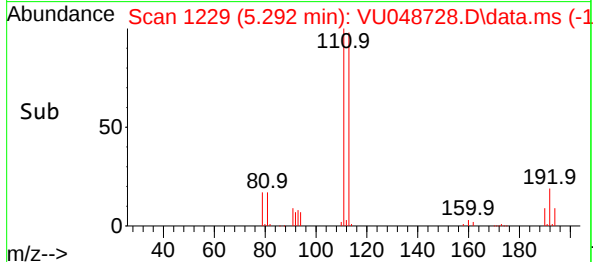
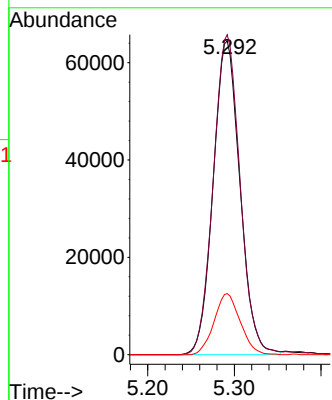
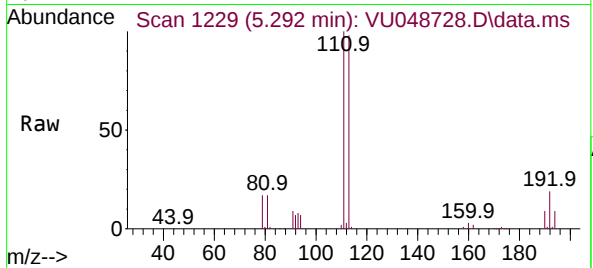




#35
Dibromofluoromethane
Concen: 53.150 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

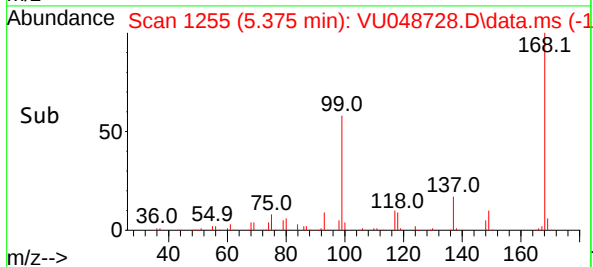
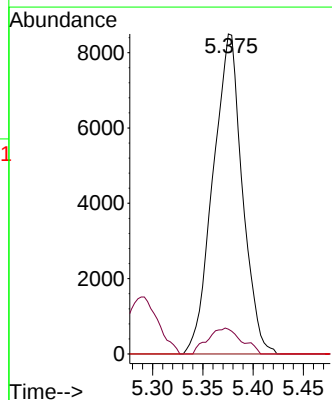
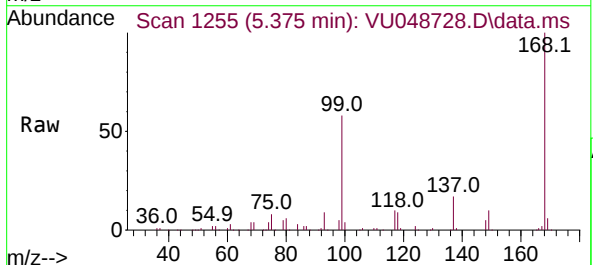
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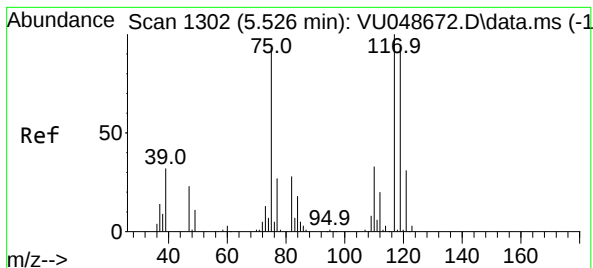
Tgt Ion:113 Resp: 138291
Ion Ratio Lower Upper
113 100
111 102.2 80.7 121.1
192 19.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion: 75 Resp: 17209
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.032 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.151 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

TW-2

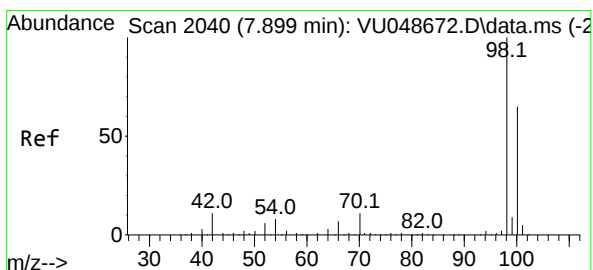
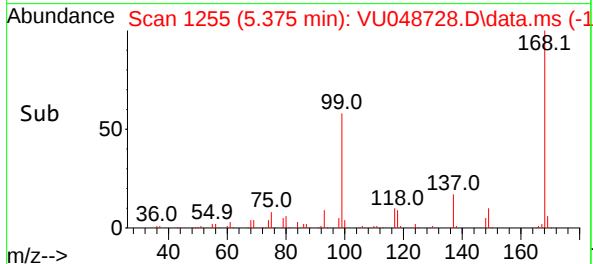
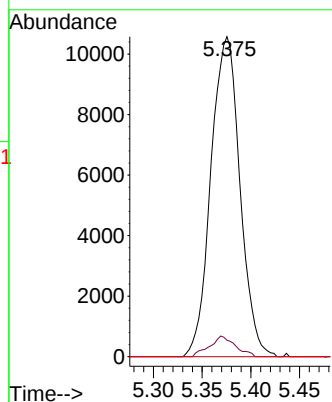
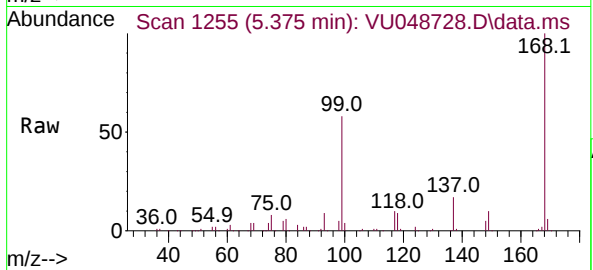
Tgt Ion:117 Resp: 21922

Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.2#

121 0.0 24.6 36.8#



#50

Toluene-d8

Concen: 45.723 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU048728.D

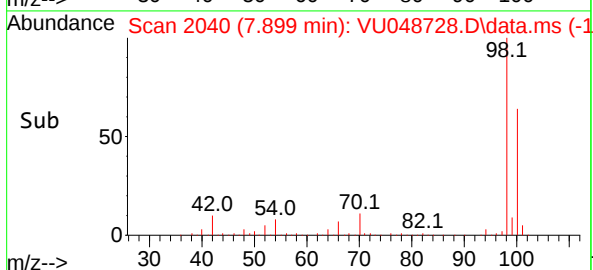
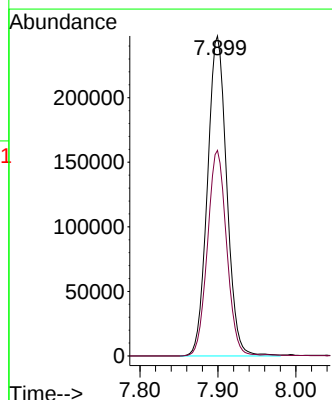
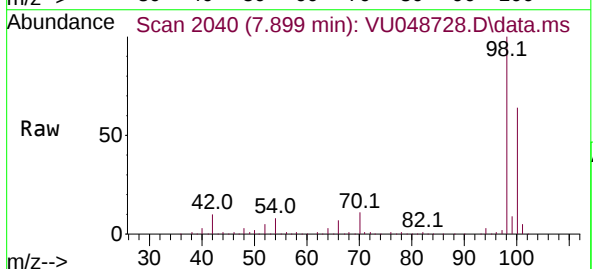
Acq: 28 May 2022 05:55

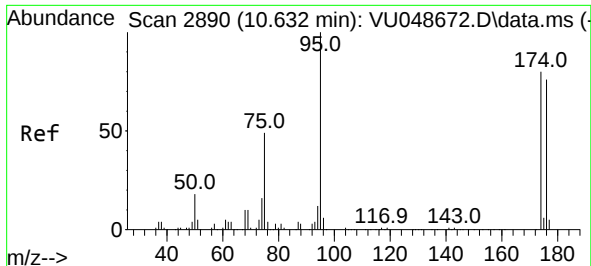
Tgt Ion: 98 Resp: 426458

Ion Ratio Lower Upper

98 100

100 63.6 52.2 78.4

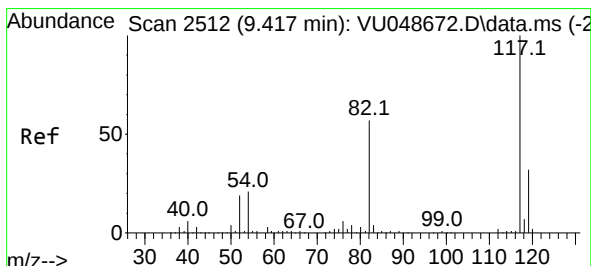
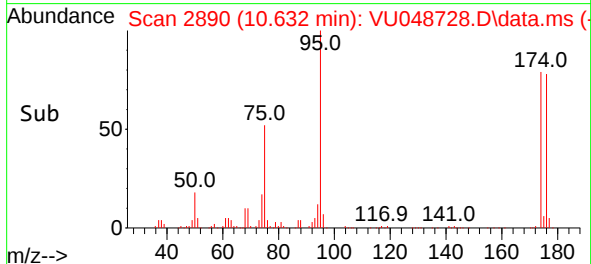
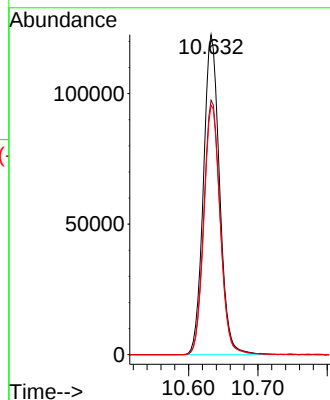
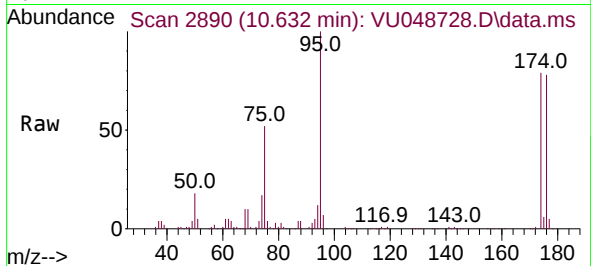




#62
4-Bromofluorobenzene
Concen: 56.237 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

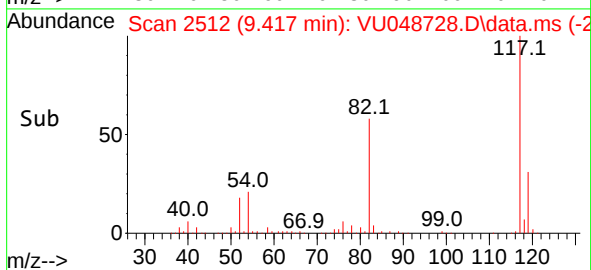
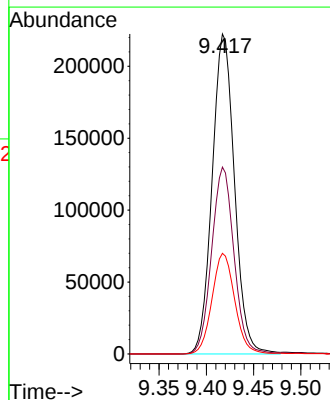
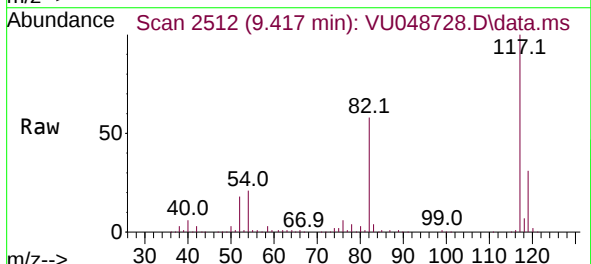
Instrument :
MSVOA_U
ClientSampleId :
TW-2

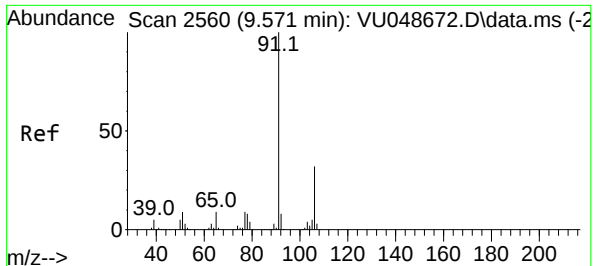
Tgt Ion: 95 Resp: 198367
Ion Ratio Lower Upper
95 100
174 81.0 0.0 159.4
176 78.3 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion: 117 Resp: 365817
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 31.5 25.4 38.2





#67

Ethyl Benzene

Concen: 1.444 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

Instrument :

MSVOA_U

ClientSampleId :

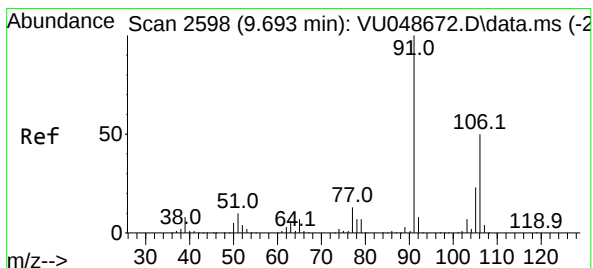
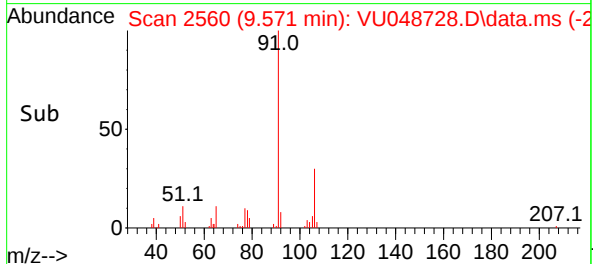
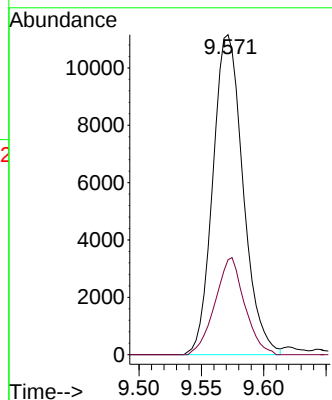
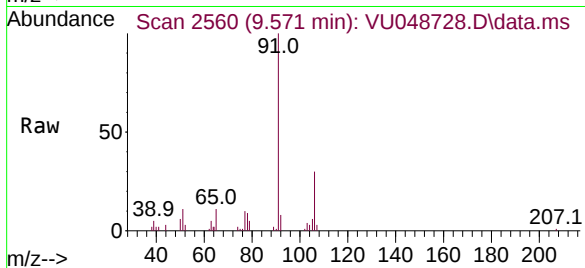
TW-2

Tgt Ion: 91 Resp: 18844

Ion Ratio Lower Upper

91 100

106 29.7 25.4 38.2



#68

m/p-Xylenes

Concen: 0.495 ug/l

RT: 9.694 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU048728.D

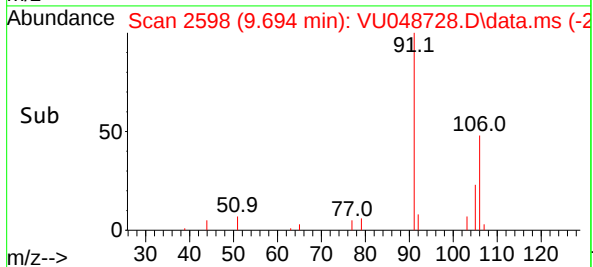
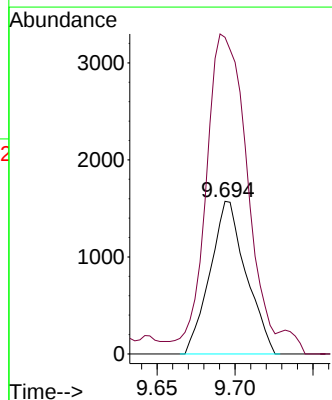
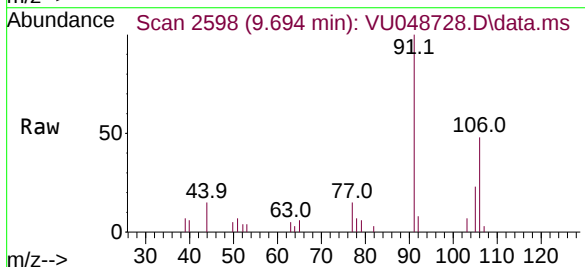
Acq: 28 May 2022 05:55

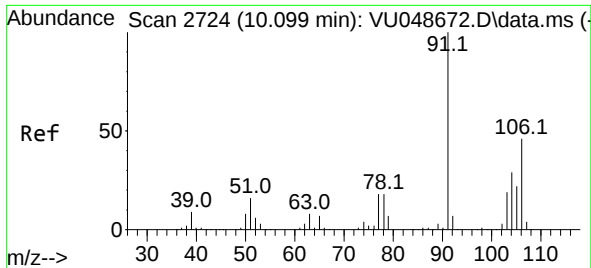
Tgt Ion: 106 Resp: 2525

Ion Ratio Lower Upper

106 100

91 217.9 162.4 243.6

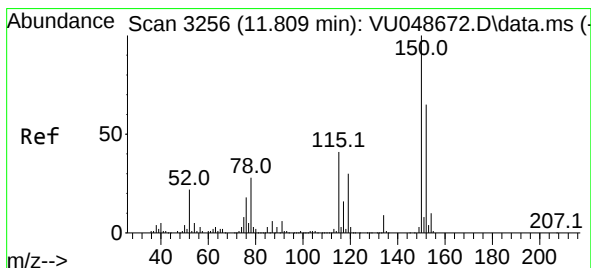
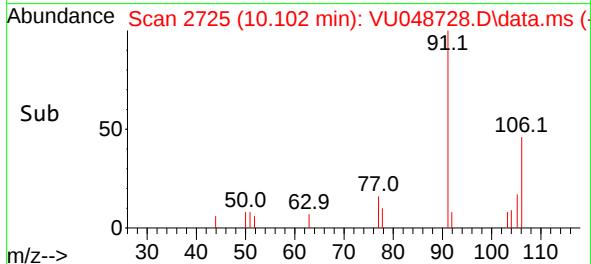
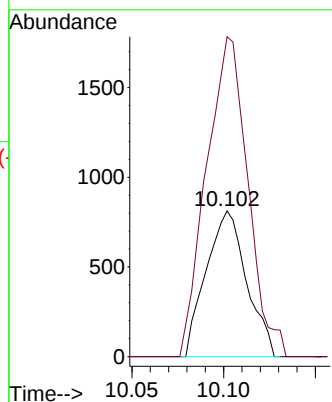
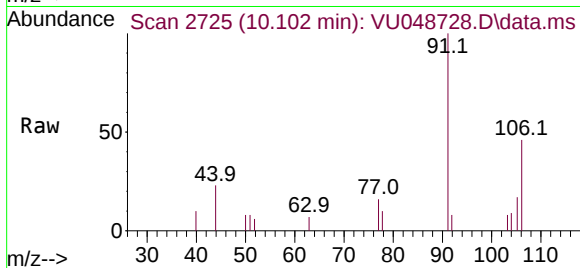




#69
o-Xylene
Concen: 0.248 ug/l
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

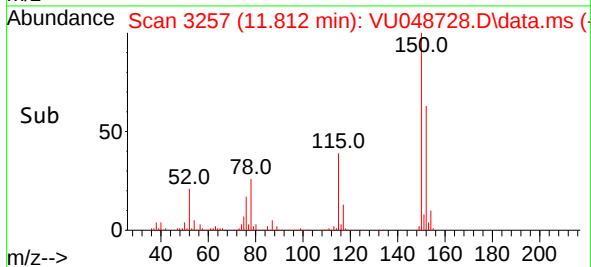
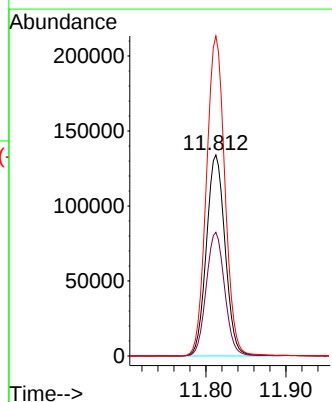
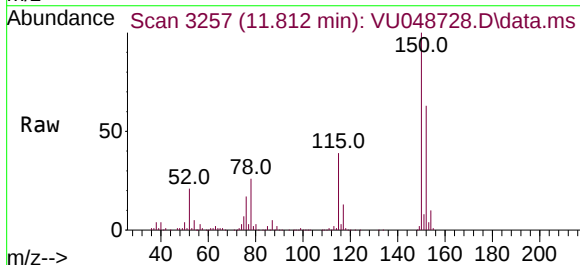
Instrument :
MSVOA_U
ClientSampleId :
TW-2

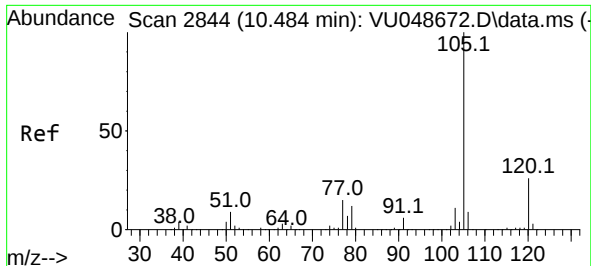
Tgt Ion:106 Resp: 1245
Ion Ratio Lower Upper
106 100
91 224.6 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion:152 Resp: 218308
Ion Ratio Lower Upper
152 100
115 60.8 41.8 125.4
150 157.4 0.0 341.0

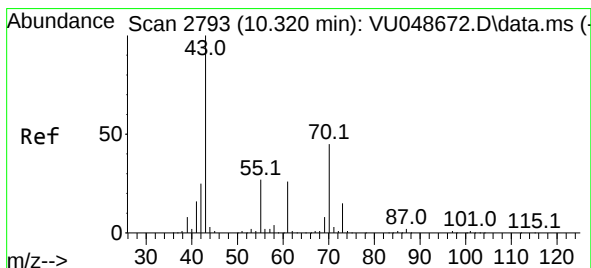
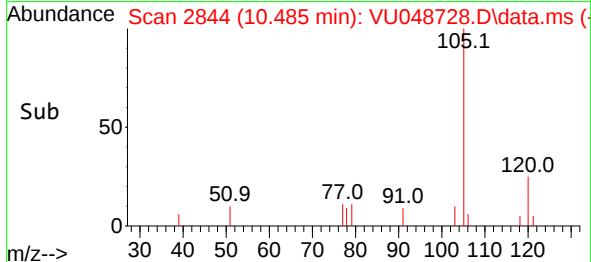
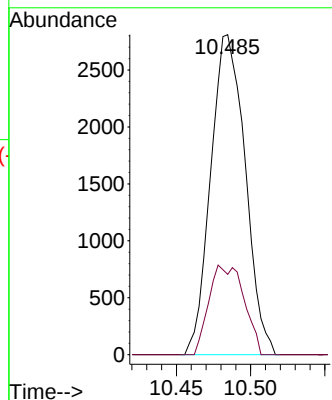
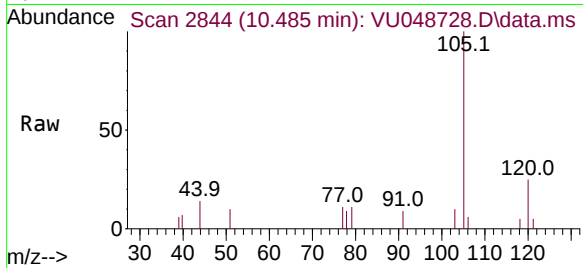




#73
Isopropylbenzene
Concen: 0.322 ug/l
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

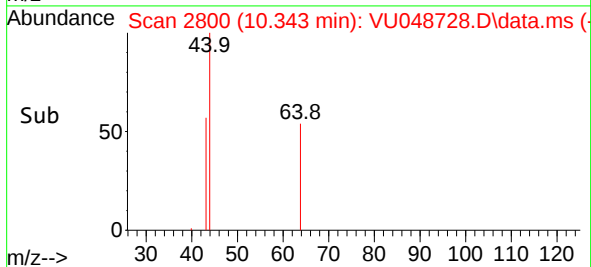
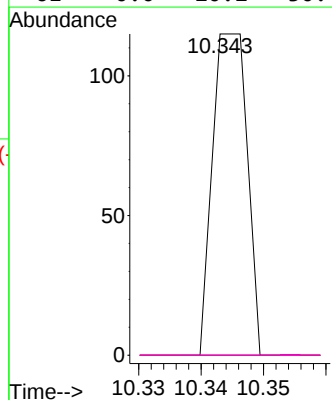
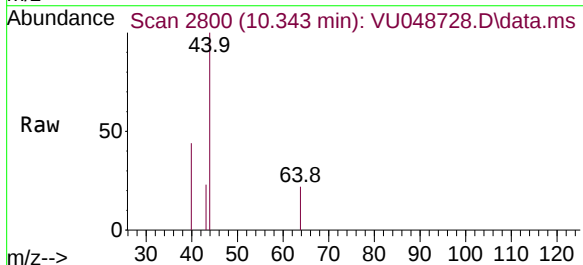
Instrument :
MSVOA_U
ClientSampleId :
TW-2

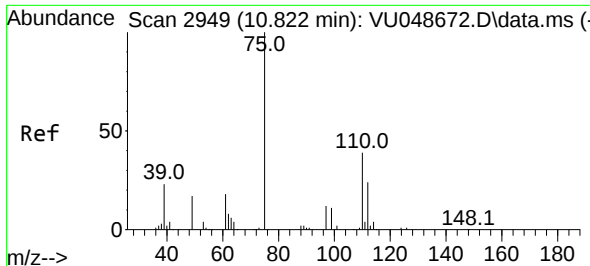
Tgt Ion:105 Resp: 4536
Ion Ratio Lower Upper
105 100
120 28.4 12.9 38.6



#74
N-ethyl acetate
Concen: 2.473 ug/l
RT: 10.343 min Scan# 2800
Delta R.T. 0.023 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#

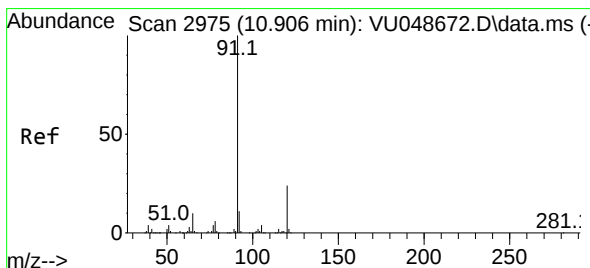
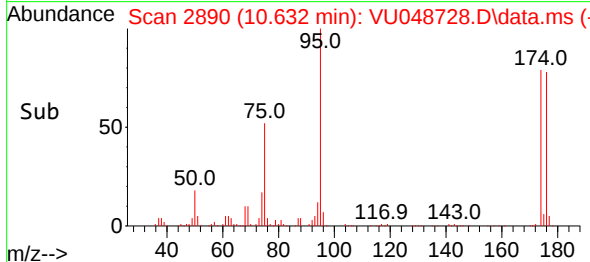
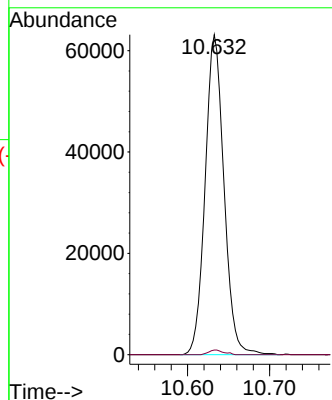
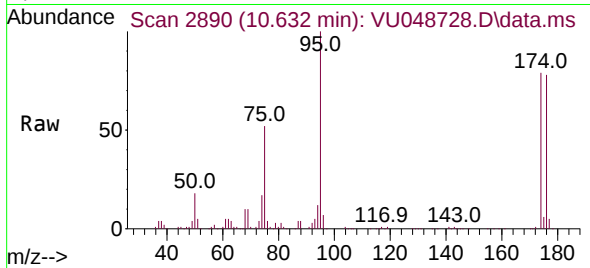




#76
1,2,3-Trichloropropane
Concen: 14.272 ug/l
RT: 10.632 min Scan# 2949
Delta R.T. -0.190 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

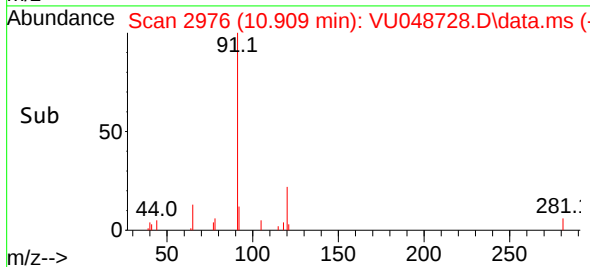
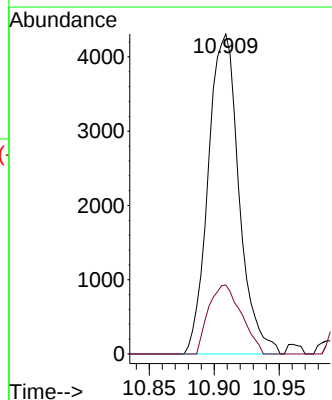
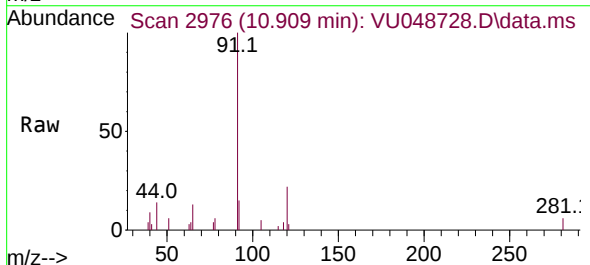
Instrument :
MSVOA_U
ClientSampleId :
TW-2

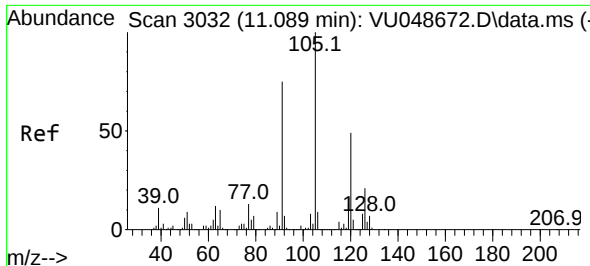
Tgt Ion: 75 Resp: 100460
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#78
n-propylbenzene
Concen: 0.423 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion: 91 Resp: 7101
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.7

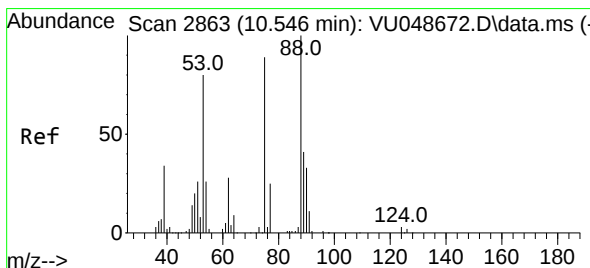
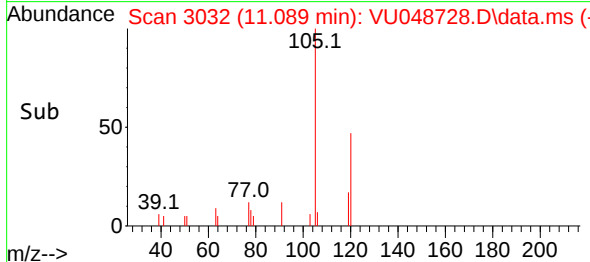
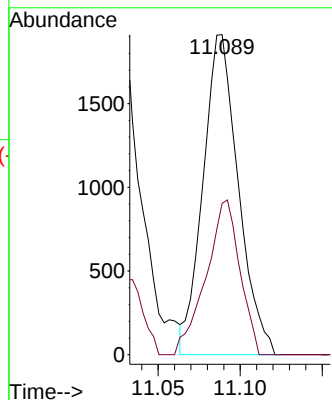
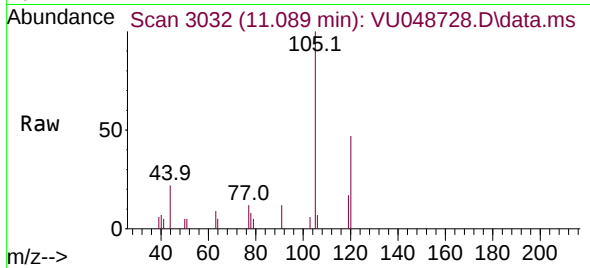




#80
 1,3,5-Trimethylbenzene
 Concen: 0.233 ug/l
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU048728.D
 Acq: 28 May 2022 05:55

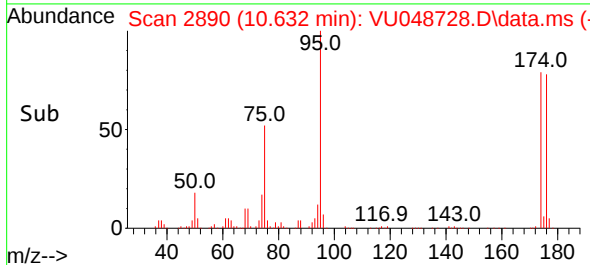
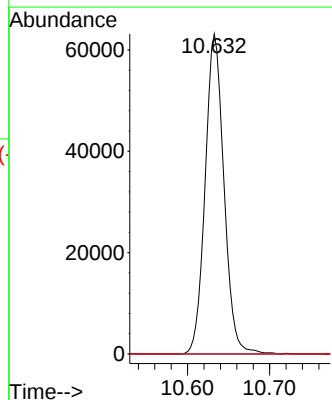
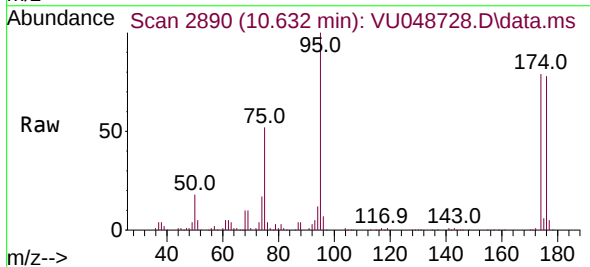
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-2

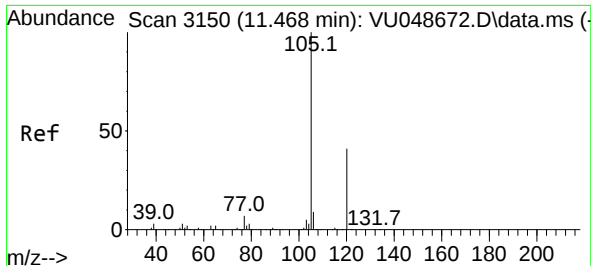
Tgt Ion:105 Resp: 2860
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.821 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. 0.087 min
 Lab File: VU048728.D
 Acq: 28 May 2022 05:55

Tgt Ion: 75 Resp: 100460
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

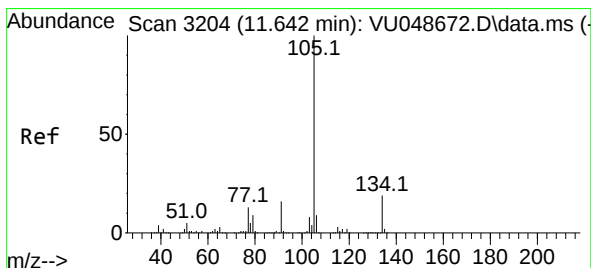
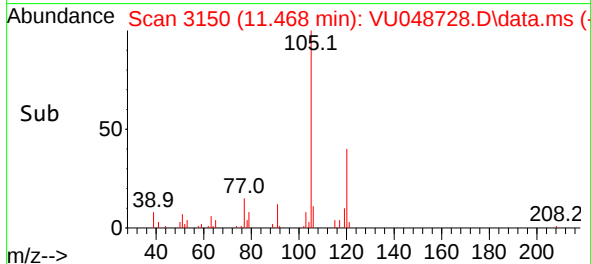
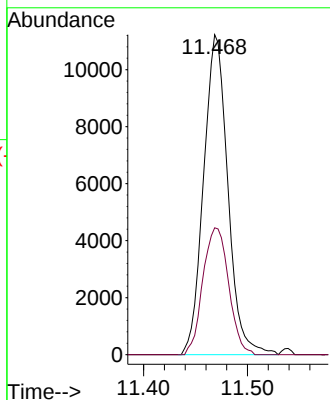
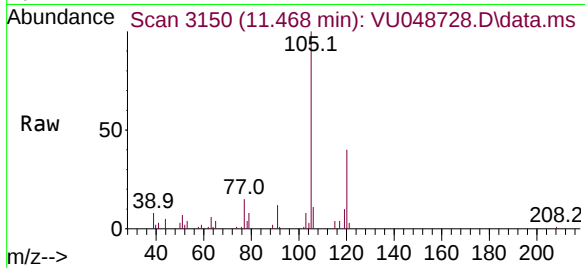




#84
1,2,4-Trimethylbenzene
Concen: 2.533 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

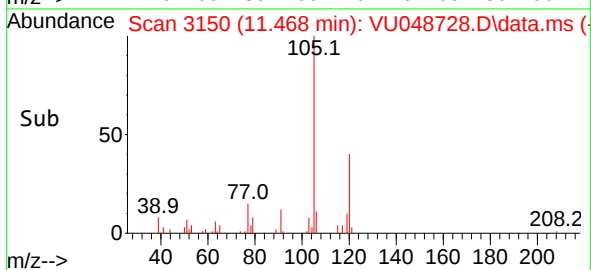
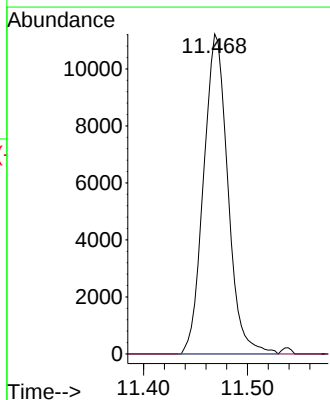
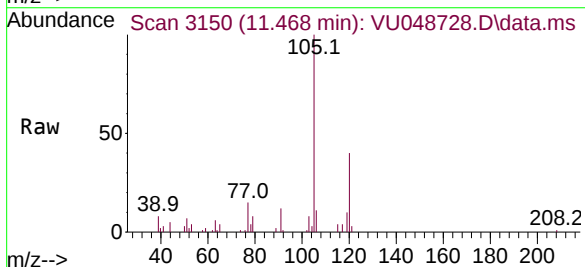
Instrument :
MSVOA_U
ClientSampleId :
TW-2

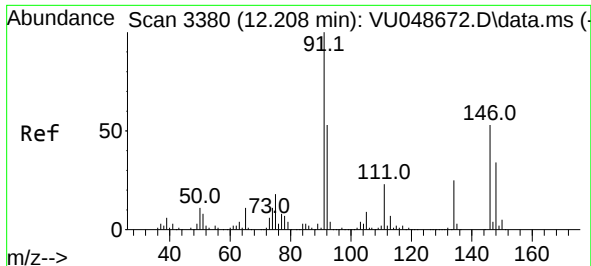
Tgt Ion:105 Resp: 18209
Ion Ratio Lower Upper
105 100
120 42.1 22.5 67.5



#85
sec-Butylbenzene
Concen: 1.237 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.174 min
Lab File: VU048728.D
Acq: 28 May 2022 05:55

Tgt Ion:105 Resp: 18209
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.6#





#89

n-Butylbenzene

Concen: 2.283 ug/l

RT: 12.211 min Scan# 3380

Delta R.T. 0.003 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

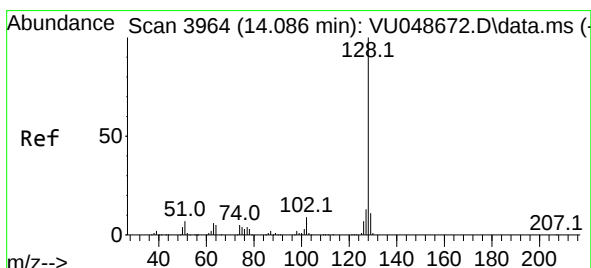
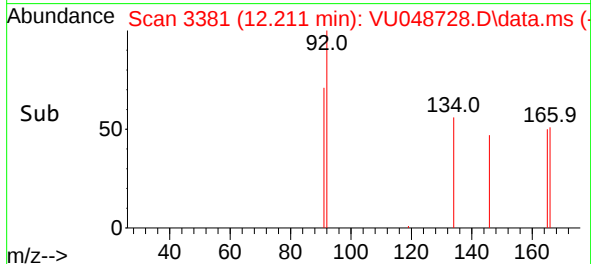
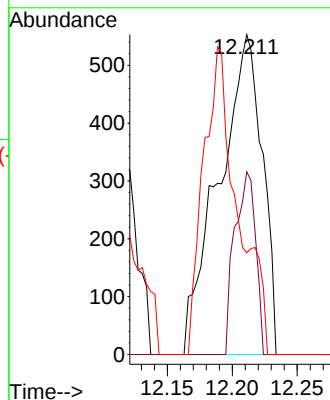
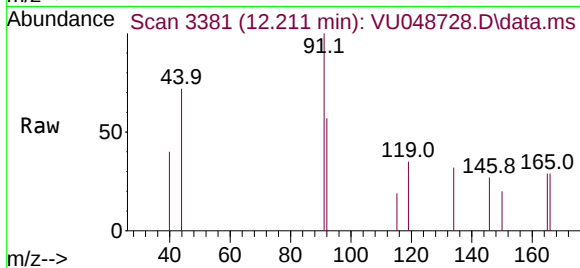
Instrument :

MSVOA_U

ClientSampleId :

TW-2

Tgt Ion: 91	Resp:	1286
Ion Ratio	Lower	Upper
91	100	
92	27.4	25.9 77.8
134	0.0	12.5 37.5#



#95

Naphthalene

Concen: 21.616 ug/l

RT: 14.086 min Scan# 3964

Delta R.T. -0.000 min

Lab File: VU048728.D

Acq: 28 May 2022 05:55

Tgt Ion: 128	Resp:	345428
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.2 15.4
129	10.9	8.7 13.1

