

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049464.D
 Acq On : 28 Jun 2022 17:31
 Operator : SY/MD
 Sample : N3480-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 30985

Quant Time: Jun 28 17:56:30 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)

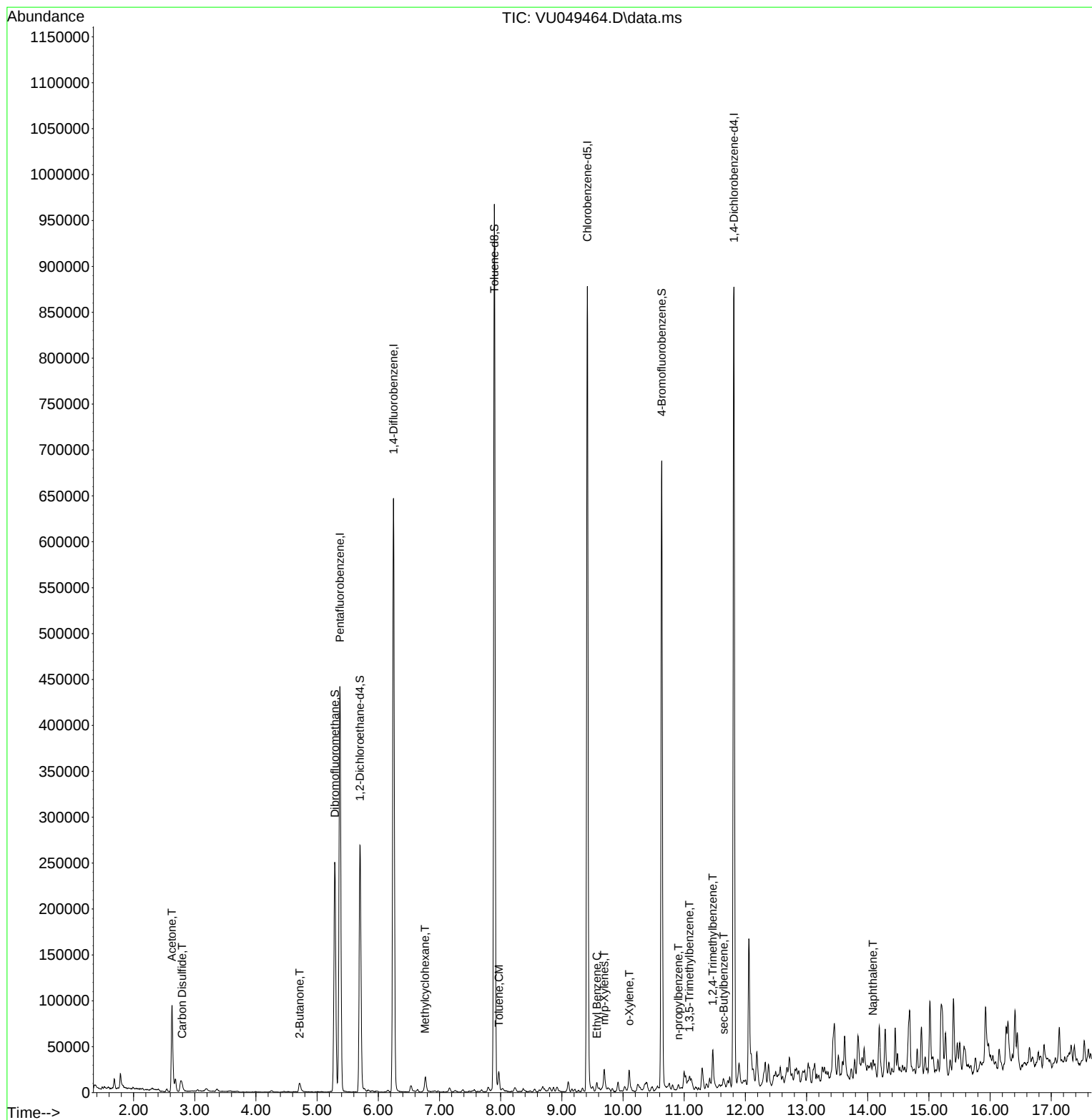
Internal Standards						
1) Pentafluorobenzene	5.372	168	306794	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	533963	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	479710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	231039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	201406	42.627	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.260%		
35) Dibromofluoromethane	5.288	113	164711	44.091	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.180%		
50) Toluene-d8	7.896	98	633151	47.518	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.040%		
62) 4-Bromofluorobenzene	10.632	95	237499	46.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.060%		
Target Compounds						
						Qvalue
16) Acetone	2.626	43	109292	45.869	ug/l	99
17) Carbon Disulfide	2.793	76	3772	0.363	ug/l	97
25) 2-Butanone	4.713	43	17741	4.968	ug/l	# 86
39) Methylcyclohexane	6.764	83	2988	0.460	ug/l	95
52) Toluene	7.970	92	8741	0.899	ug/l	92
67) Ethyl Benzene	9.571	91	5351	0.297	ug/l	98
68) m/p-Xylenes	9.693	106	6269	0.941	ug/l	90
69) o-Xylene	10.102	106	5972	0.903	ug/l	92
78) n-propylbenzene	10.905	91	5513	0.276	ug/l	92
80) 1,3,5-Trimethylbenzene	11.086	105	7505	0.522	ug/l	97
84) 1,2,4-Trimethylbenzene	11.468	105	20436	1.448	ug/l	93
85) sec-Butylbenzene	11.645	105	3817	0.215	ug/l	84
95) Naphthalene	14.085	128	11288	2.338	ug/l	# 91

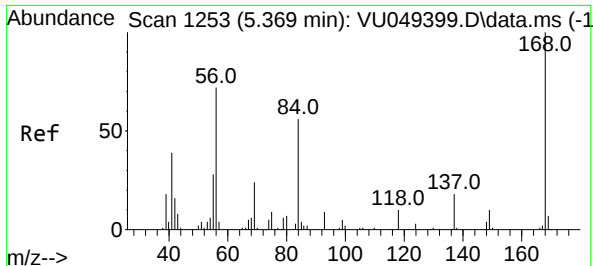
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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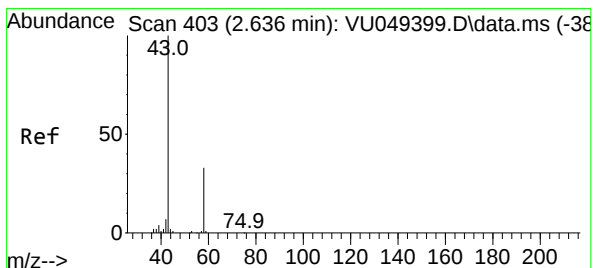
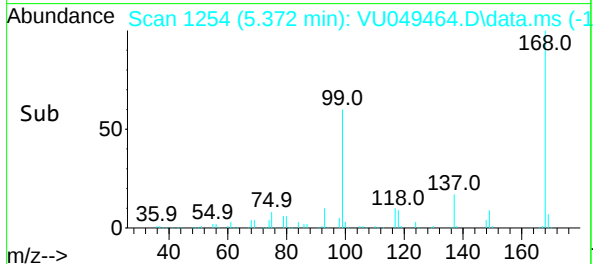
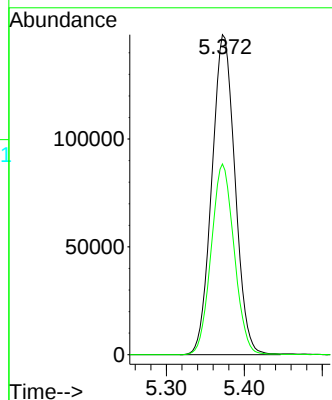
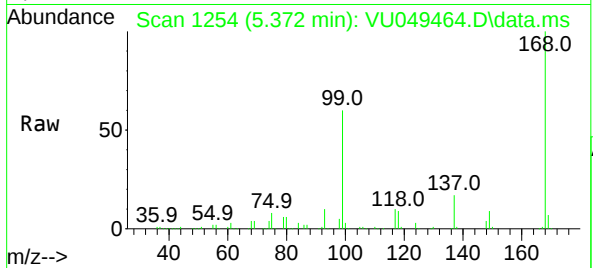




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

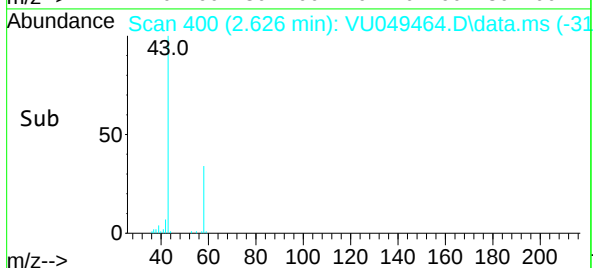
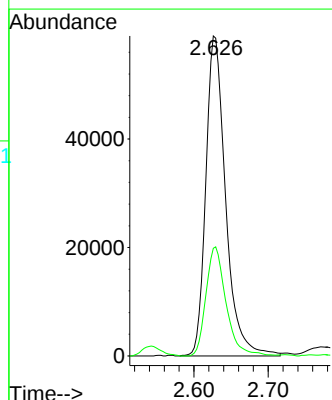
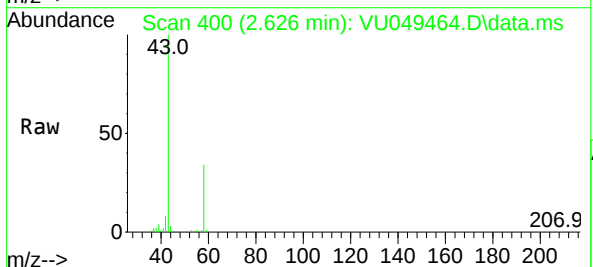
Instrument :
MSVOA_U
ClientSampleId :
30985

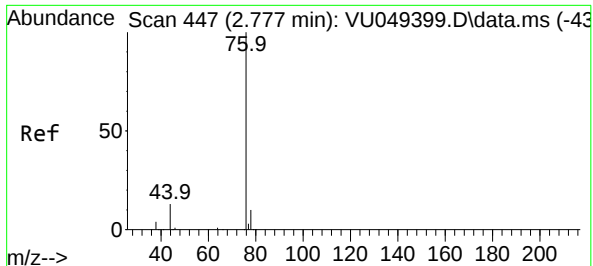
Tgt Ion:168 Resp: 306794
Ion Ratio Lower Upper
168 100
99 59.6 39.3 58.9#



#16
Acetone
Concen: 45.869 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.010 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

Tgt Ion: 43 Resp: 109292
Ion Ratio Lower Upper
43 100
58 33.6 27.5 41.3

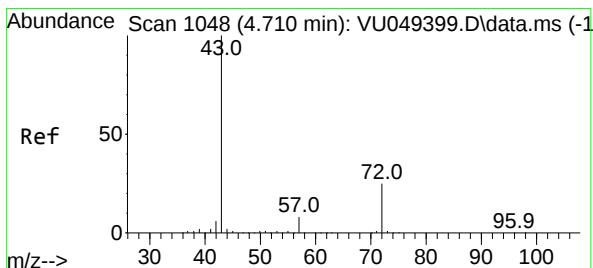
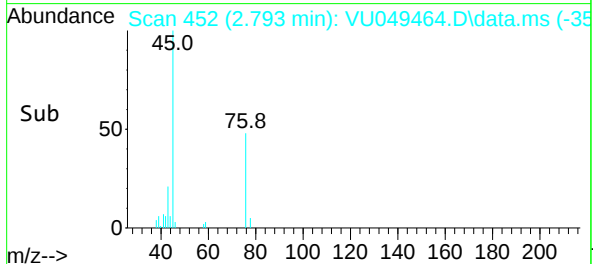
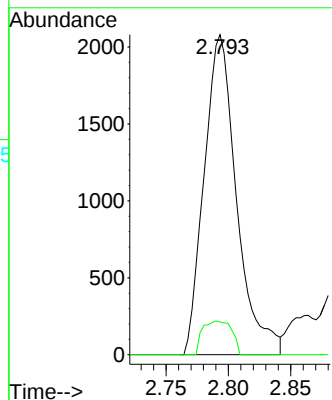
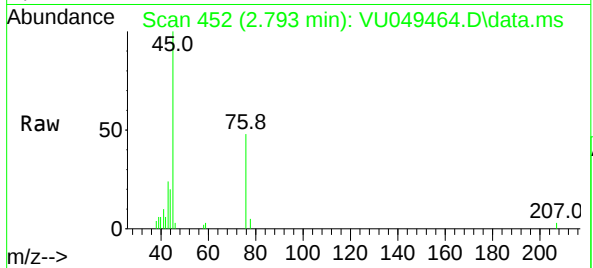




#17
Carbon Disulfide
Concen: 0.363 ug/l
RT: 2.793 min Scan# 41
Delta R.T. 0.016 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

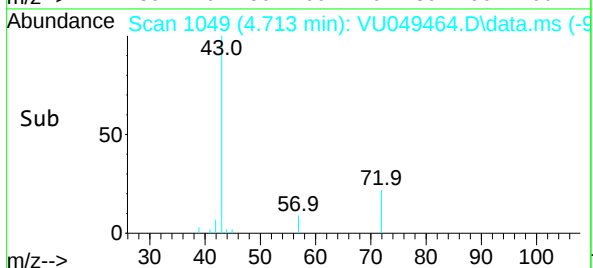
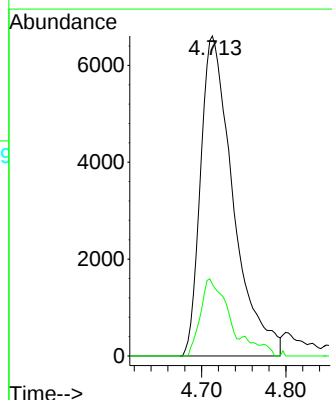
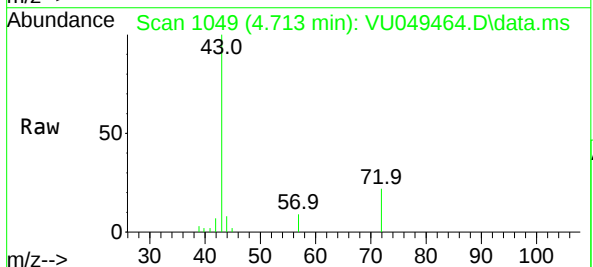
Instrument :
MSVOA_U
ClientSampleId :
30985

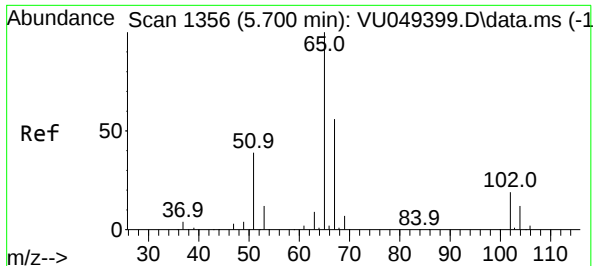
Tgt Ion: 76 Resp: 3772
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9



#25
2-Butanone
Concen: 4.968 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

Tgt Ion: 43 Resp: 17741
Ion Ratio Lower Upper
43 100
72 22.4 23.8 35.6#





#33

1,2-Dichloroethane-d4

Concen: 42.627 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049464.D

Acq: 28 Jun 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

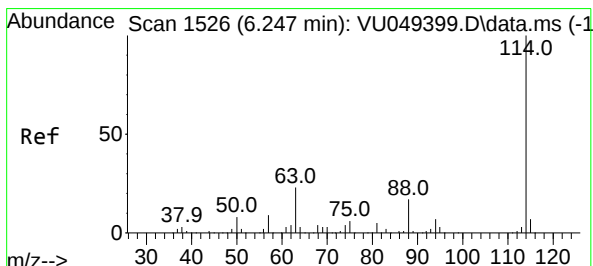
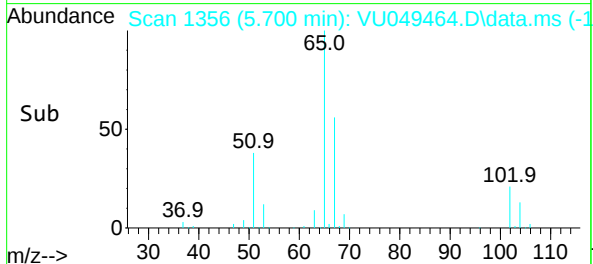
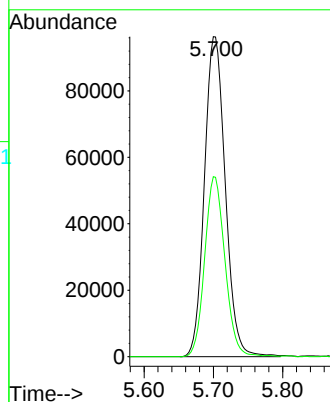
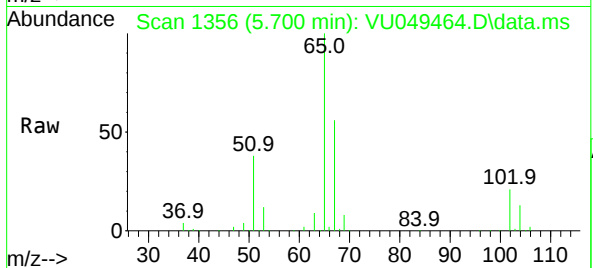
30985

Tgt Ion: 65 Resp: 201406

Ion Ratio Lower Upper

65 100

67 54.6 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: VU049464.D

Acq: 28 Jun 2022 17:31

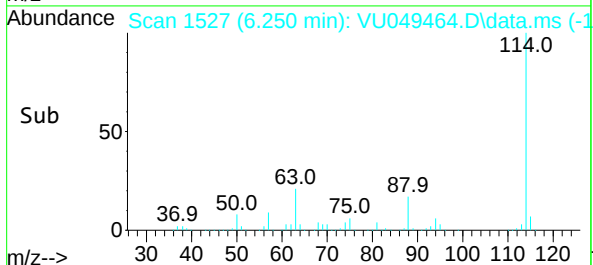
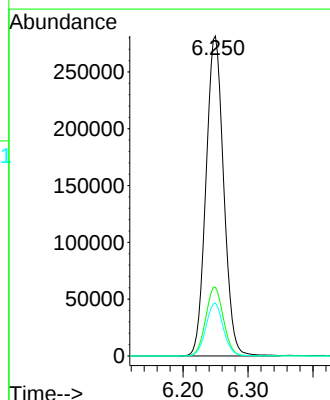
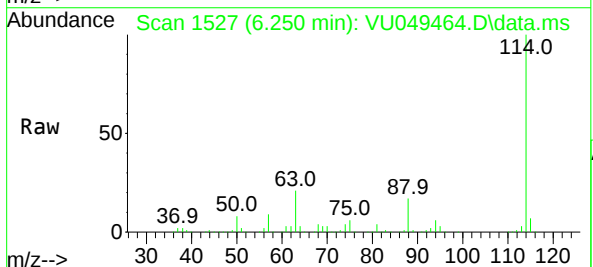
Tgt Ion: 114 Resp: 533963

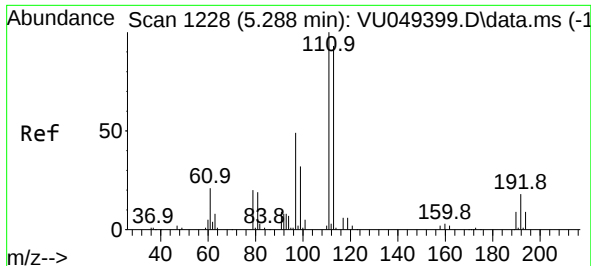
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 16.5 0.0 29.2

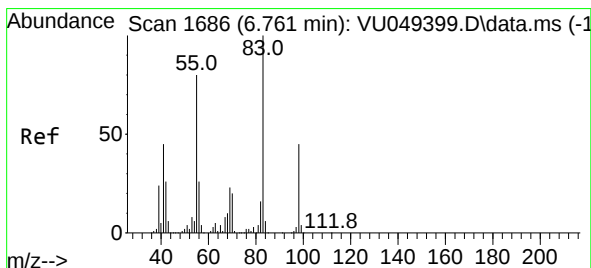
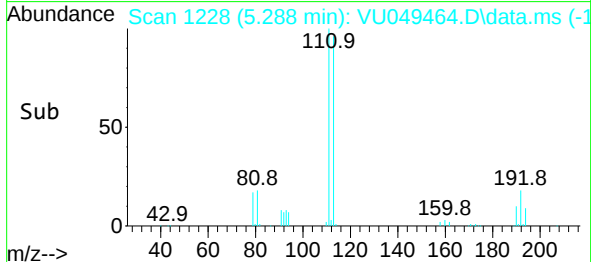
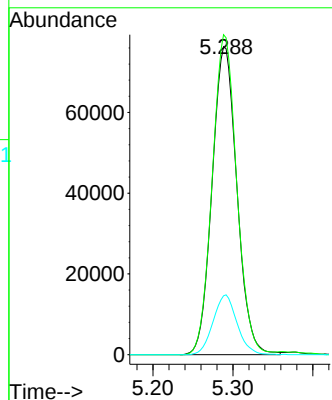
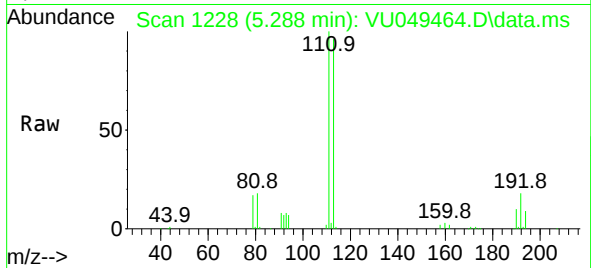




#35
Dibromofluoromethane
Concen: 44.091 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

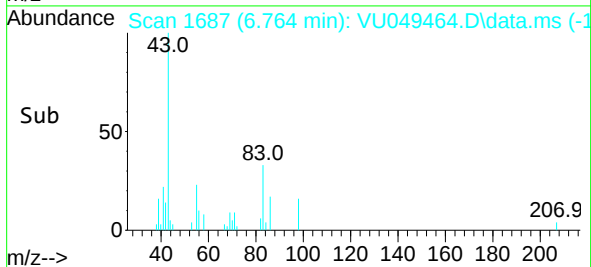
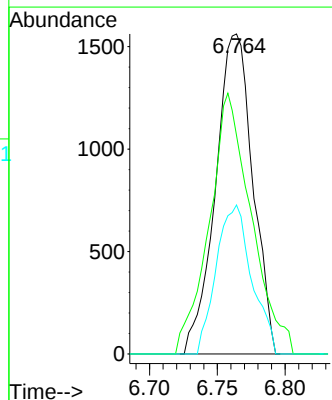
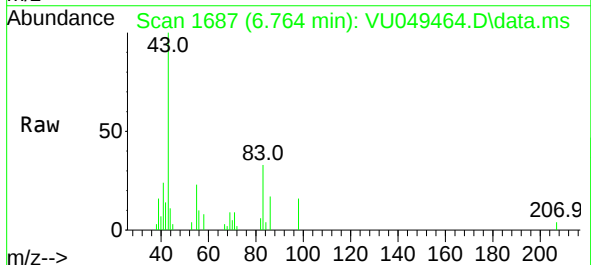
Instrument :
MSVOA_U
ClientSampleId :
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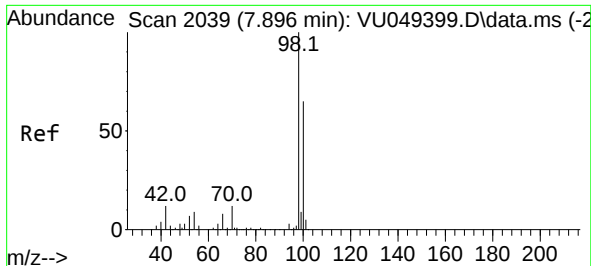
Tgt Ion:113 Resp: 164711
Ion Ratio Lower Upper
113 100
111 102.4 82.1 123.1
192 18.7 18.0 27.0



#39
Methylcyclohexane
Concen: 0.460 ug/l
RT: 6.764 min Scan# 1687
Delta R.T. 0.003 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

Tgt Ion: 83 Resp: 2988
Ion Ratio Lower Upper
83 100
55 61.8 55.3 82.9
98 46.5 37.3 55.9

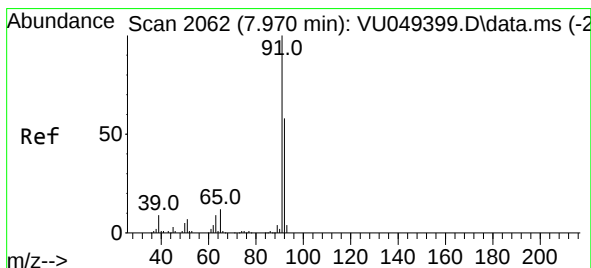
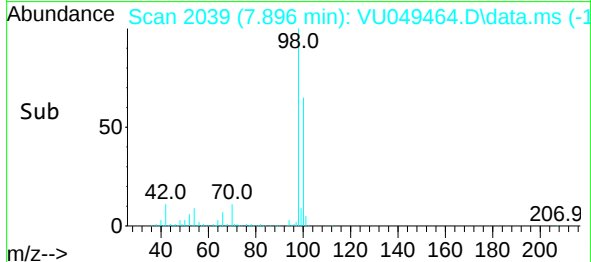
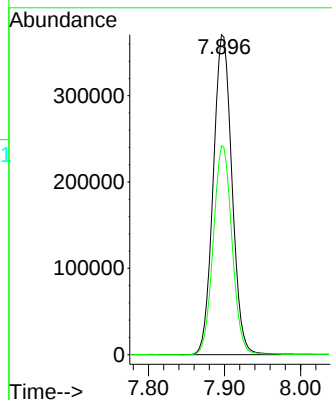
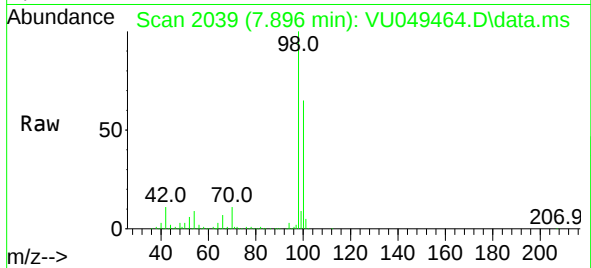




#50
Toluene-d8
Concen: 47.518 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

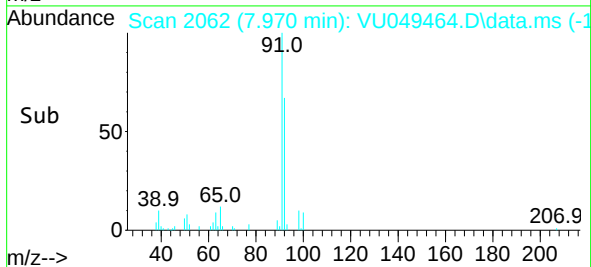
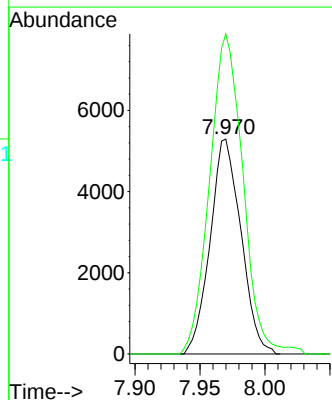
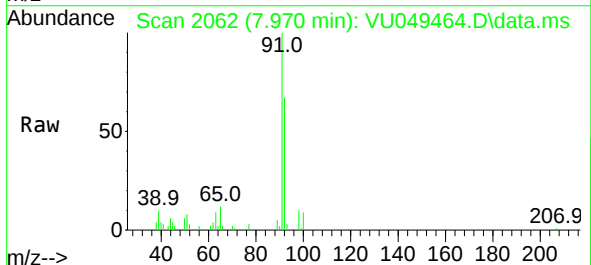
Instrument :
MSVOA_U
ClientSampleId :
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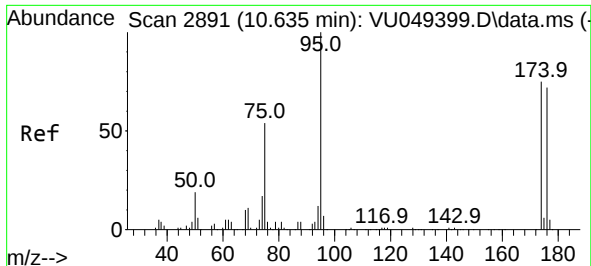
Tgt Ion: 98 Resp: 633151
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#52
Toluene
Concen: 0.899 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

Tgt Ion: 92 Resp: 8741
Ion Ratio Lower Upper
92 100
91 161.1 138.2 207.4





#62

4-Bromofluorobenzene

Concen: 46.531 ug/l

RT: 10.632 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049464.D

Acq: 28 Jun 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

30985

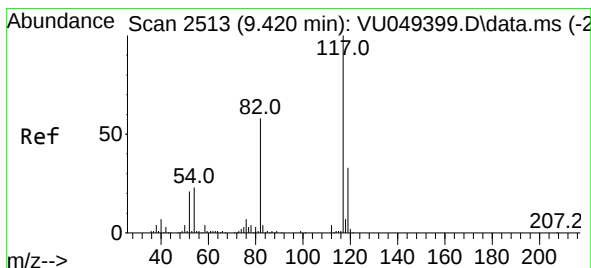
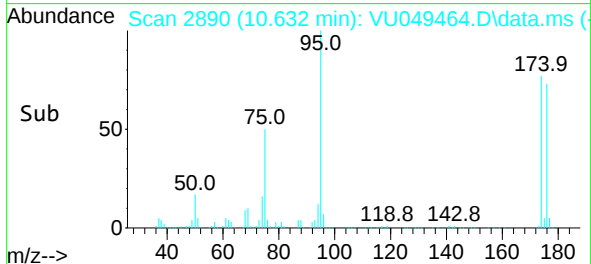
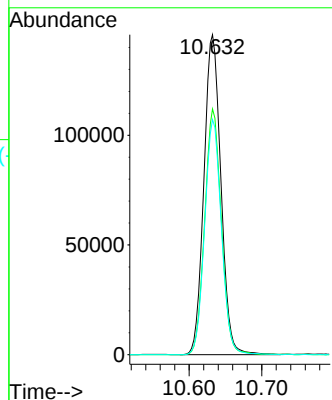
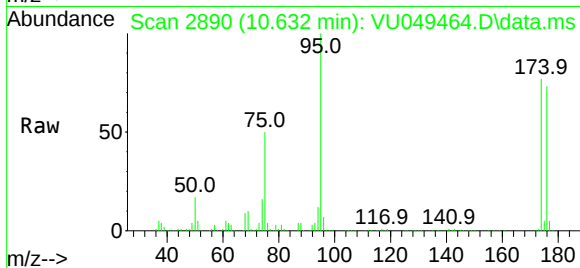
Tgt Ion: 95 Resp: 237499

Ion Ratio Lower Upper

95 100

174 75.3 0.0 182.0

176 72.4 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: VU049464.D

Acq: 28 Jun 2022 17:31

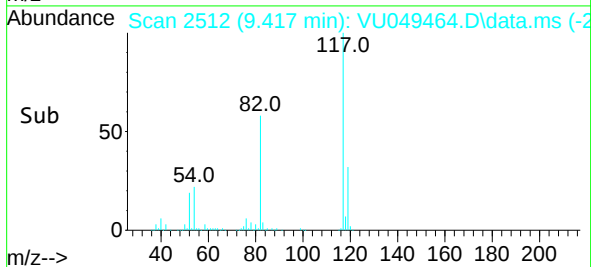
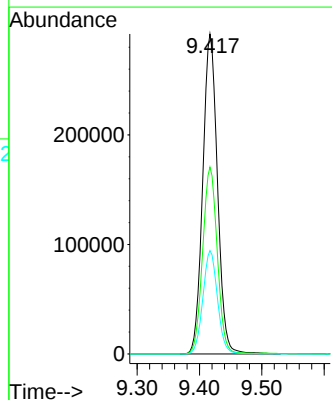
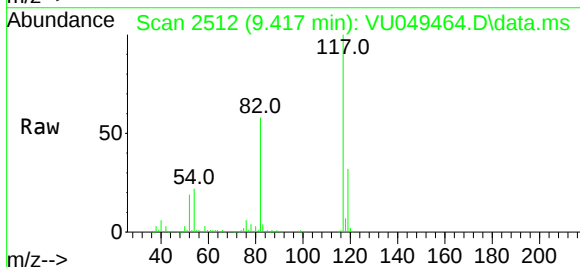
Tgt Ion: 117 Resp: 479710

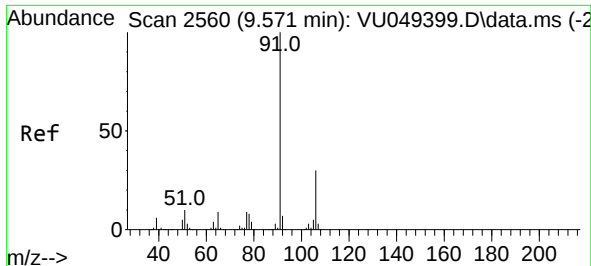
Ion Ratio Lower Upper

117 100

82 58.4 41.7 62.5

119 32.3 25.7 38.5

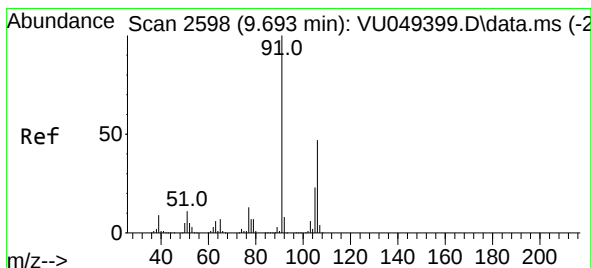
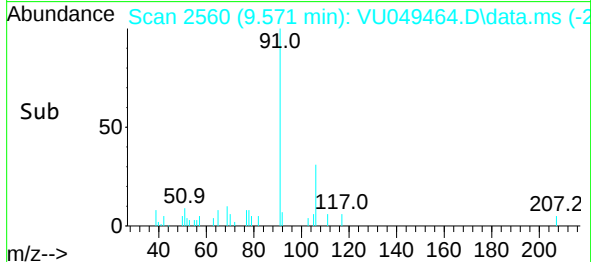
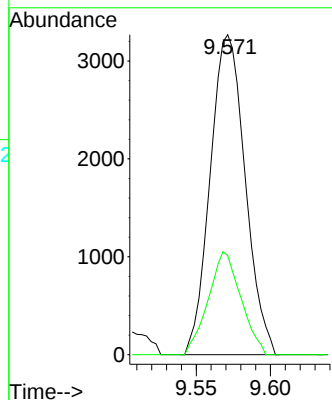
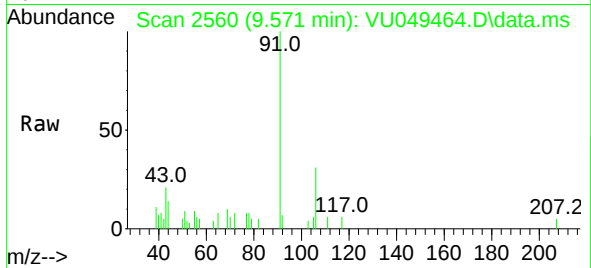




#67
Ethyl Benzene
Concen: 0.297 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

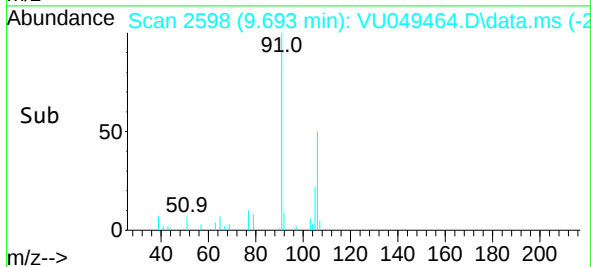
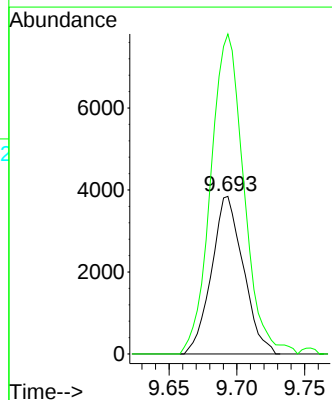
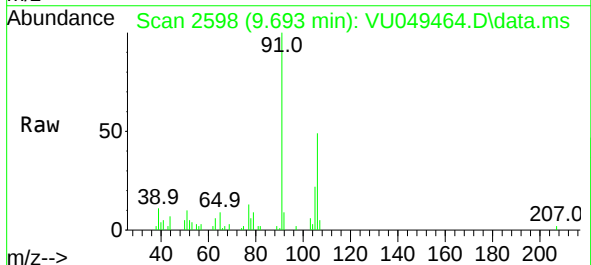
Instrument :
MSVOA_U
ClientSampleId :
30985

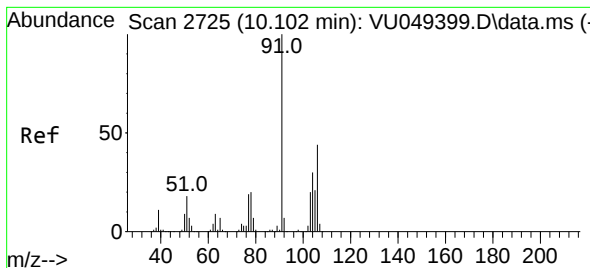
Tgt Ion: 91 Resp: 5351
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4



#68
m/p-Xylenes
Concen: 0.941 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049464.D
Acq: 28 Jun 2022 17:31

Tgt Ion: 106 Resp: 6269
Ion Ratio Lower Upper
106 100
91 211.5 157.2 235.8





#69

o-Xylene

Concen: 0.903 ug/l

RT: 10.102 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU049464.D

Acq: 28 Jun 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

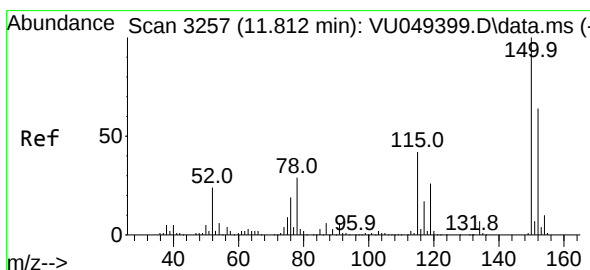
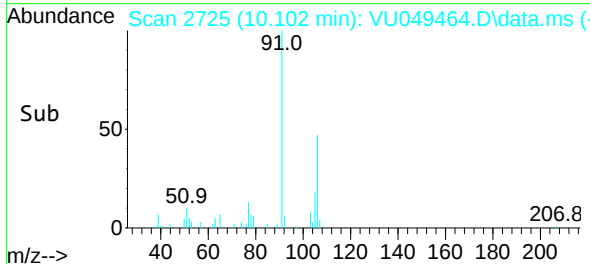
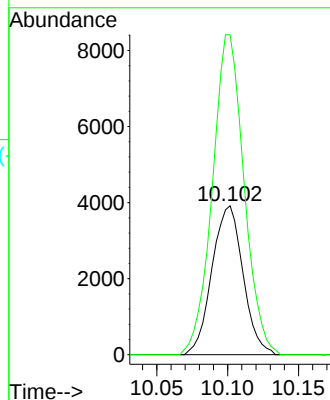
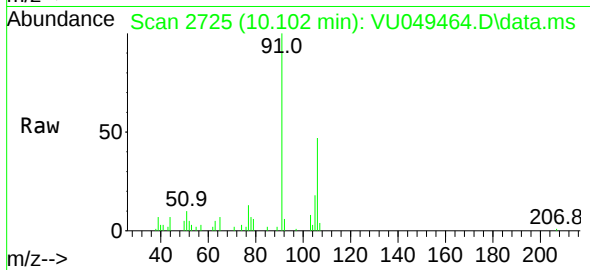
30985

Tgt Ion:106 Resp: 5972

Ion Ratio Lower Upper

106 100

91 218.8 103.5 310.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.812 min Scan# 3257

Delta R.T. -0.000 min

Lab File: VU049464.D

Acq: 28 Jun 2022 17:31

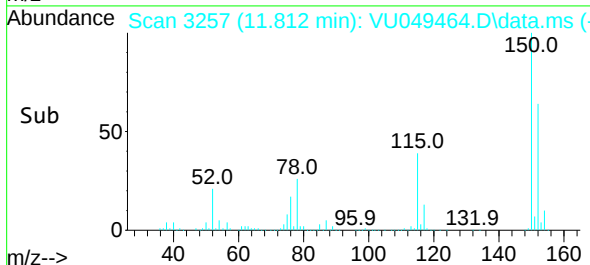
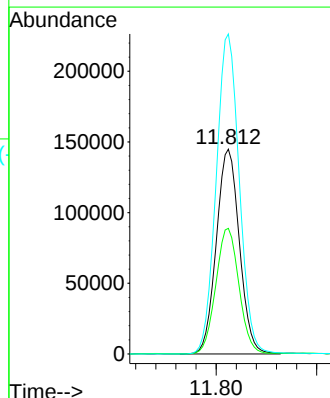
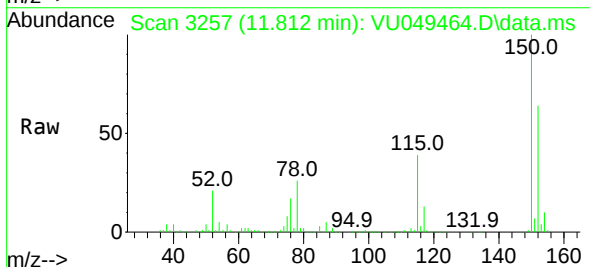
Tgt Ion:152 Resp: 231039

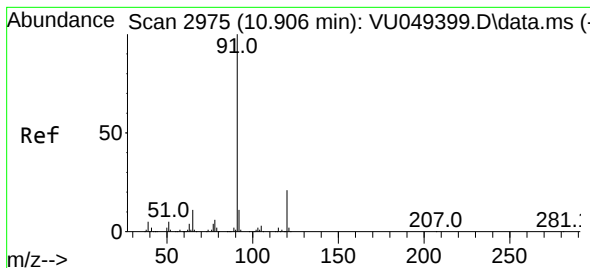
Ion Ratio Lower Upper

152 100

115 61.5 37.0 110.9

150 156.6 0.0 342.2





#78

n-propylbenzene

Concen: 0.276 ug/l

RT: 10.905 min Scan# 2975

Delta R.T. -0.000 min

Lab File: VU049464.D

Acq: 28 Jun 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

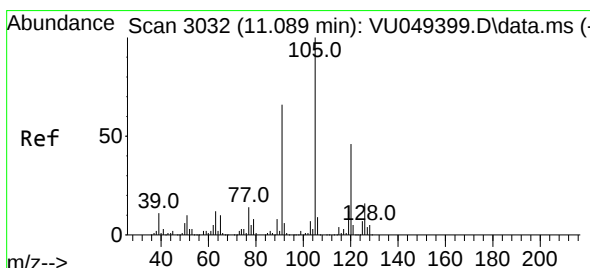
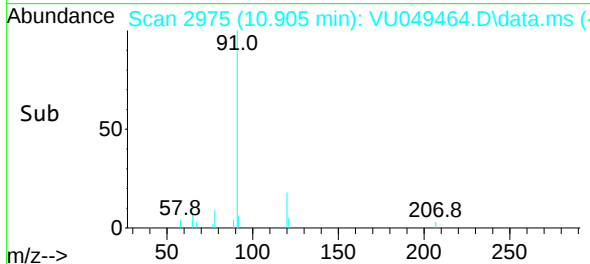
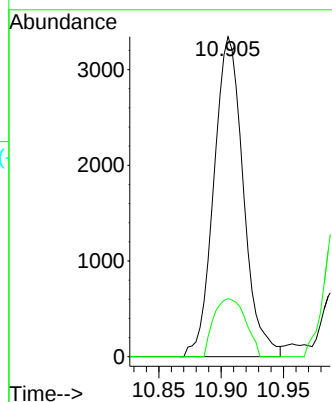
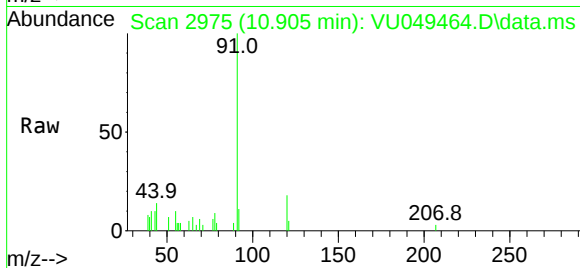
30985

Tgt Ion: 91 Resp: 5513

Ion Ratio Lower Upper

91 100

120 19.6 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 0.522 ug/l

RT: 11.086 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU049464.D

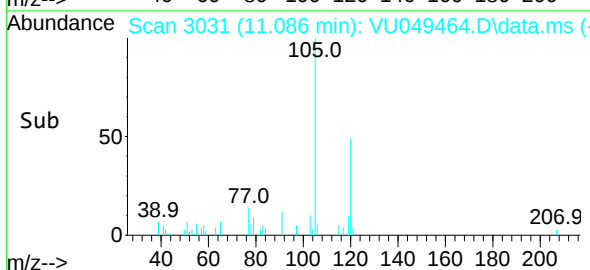
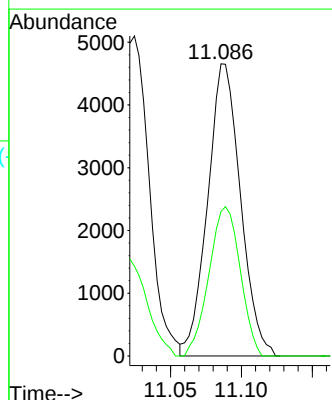
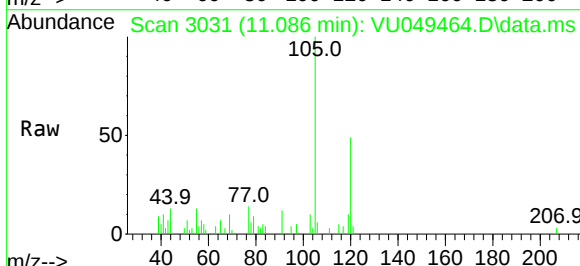
Acq: 28 Jun 2022 17:31

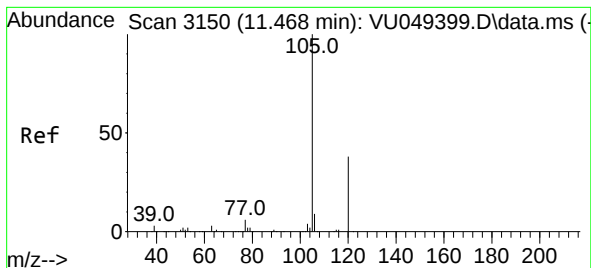
Tgt Ion: 105 Resp: 7505

Ion Ratio Lower Upper

105 100

120 48.5 25.3 75.9





#84

1,2,4-Trimethylbenzene

Concen: 1.448 ug/l

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049464.D

Acq: 28 Jun 2022 17:31

Instrument :

MSVOA_U

ClientSampleId :

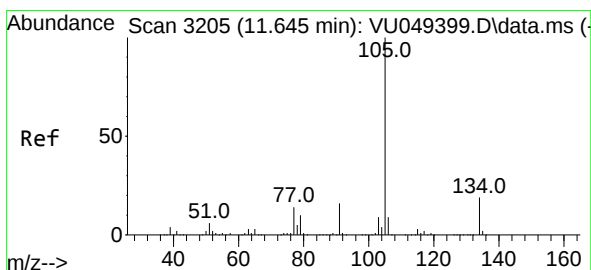
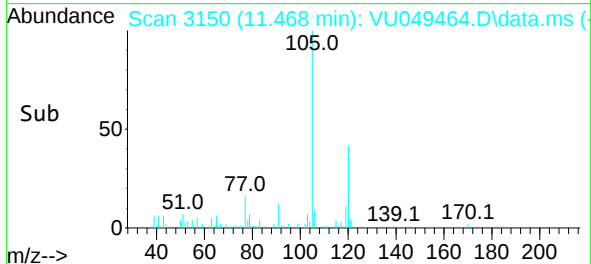
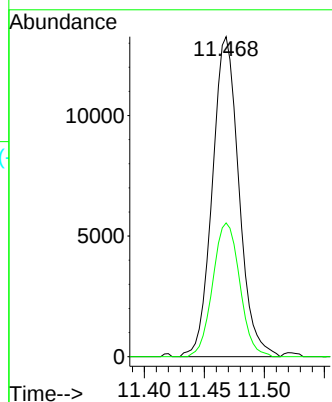
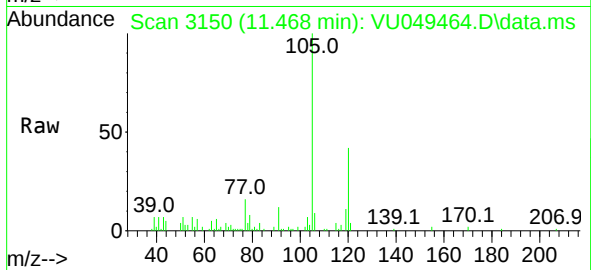
30985

Tgt Ion:105 Resp: 20436

Ion Ratio Lower Upper

105 100

120 42.5 23.4 70.3



#85

sec-Butylbenzene

Concen: 0.215 ug/l

RT: 11.645 min Scan# 3205

Delta R.T. -0.000 min

Lab File: VU049464.D

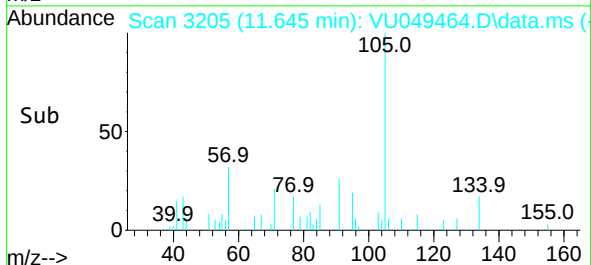
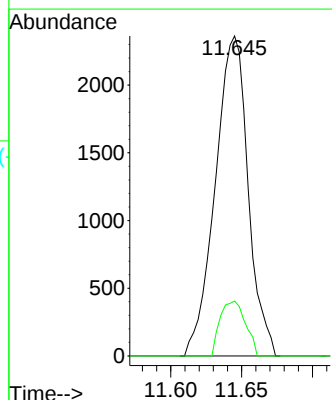
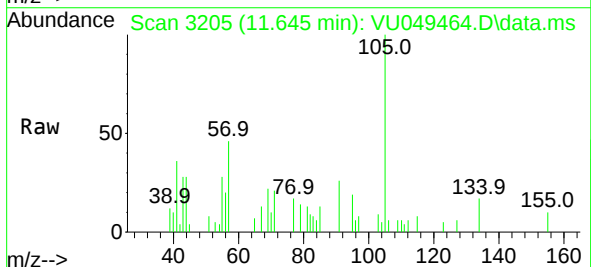
Acq: 28 Jun 2022 17:31

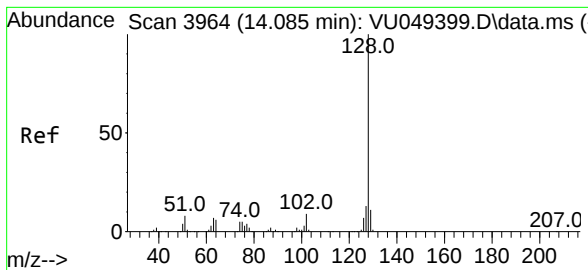
Tgt Ion:105 Resp: 3817

Ion Ratio Lower Upper

105 100

134 13.2 10.4 31.1





#95
 Naphthalene
 Concen: 2.338 ug/l
 RT: 14.085 min Scan# 3964
 Delta R.T. -0.000 min
 Lab File: VU049464.D
 Acq: 28 Jun 2022 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 30985

Tgt Ion:	128	Resp:	11288
Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.3	15.5#
129	7.1	8.6	13.0#

