

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049455.D
 Acq On : 28 Jun 2022 14:00
 Operator : SY/MD
 Sample : N3455-13
 Misc : 5.05G/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SP-EXC-2-3-GR

Quant Time: Jun 29 05:21:20 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

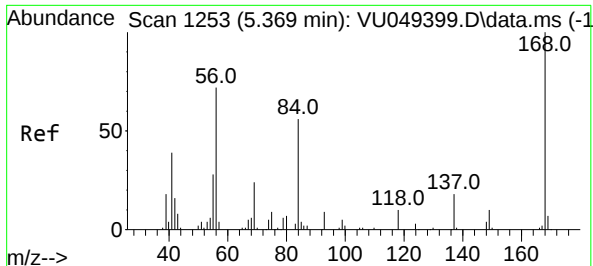
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.366	168	303684	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	521309	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	486230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	230163	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	202869	43.377	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.760%
35) Dibromofluoromethane	5.289	113	158997	43.594	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.180%
50) Toluene-d8	7.896	98	639553	49.164	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.320%
62) 4-Bromofluorobenzene	10.639	95	248204	49.808	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.620%

Target Compounds				Qvalue		
18) Methyl Acetate	2.957	43	11528	1.806	ug/l #	85
31) Cyclohexane	5.369	56	15598	2.221	ug/l #	65
39) Methylcyclohexane	6.755	83	22572	3.561	ug/l	94
40) Benzene	5.768	78	67142	4.205	ug/l	97
52) Toluene	7.967	92	33207	3.499	ug/l	95
65) Chlorobenzene	9.449	112	121316	12.204	ug/l	99
67) Ethyl Benzene	9.575	91	61835	3.388	ug/l	95
68) m/p-Xylenes	9.697	106	62028	9.186	ug/l	88
69) o-Xylene	10.105	106	8641	1.289	ug/l	89
73) Isopropylbenzene	10.488	105	20321	1.239	ug/l	94
78) n-propylbenzene	10.909	91	86613	4.347	ug/l	95
80) 1,3,5-Trimethylbenzene	11.092	105	16855	1.178	ug/l	94
84) 1,2,4-Trimethylbenzene	11.472	105	69984	4.977	ug/l	93
85) sec-Butylbenzene	11.648	105	19169	1.083	ug/l	93
89) n-Butylbenzene	12.211	91	31770	2.398	ug/l #	75
91) 1,2-Dichlorobenzene	12.217	146	6254	0.813	ug/l #	66
95) Naphthalene	14.086	128	65025	5.219	ug/l #	93

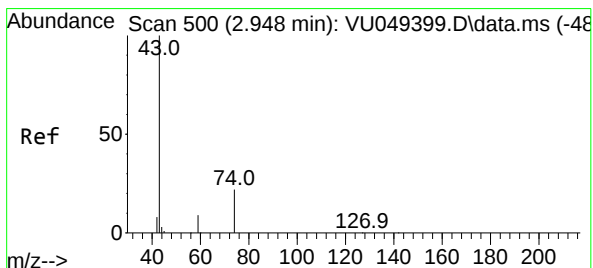
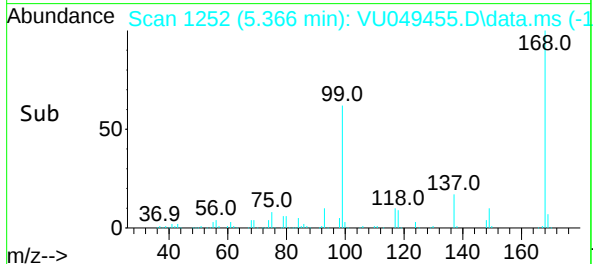
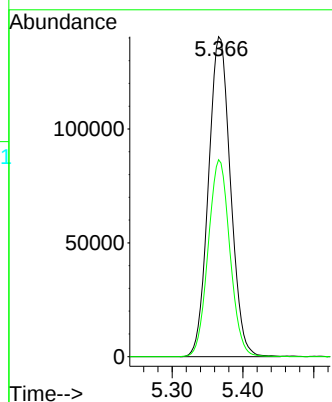
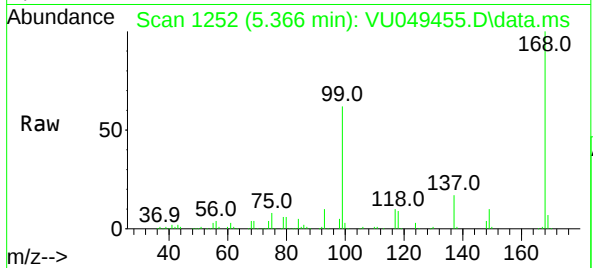
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

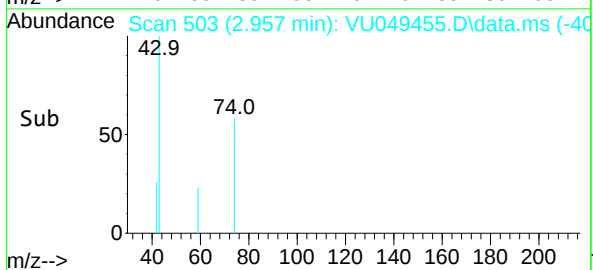
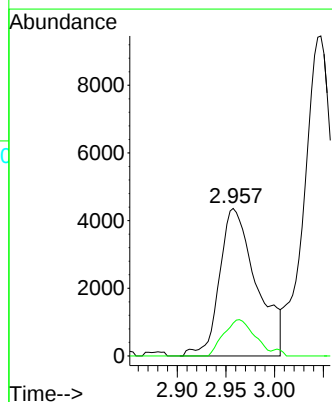
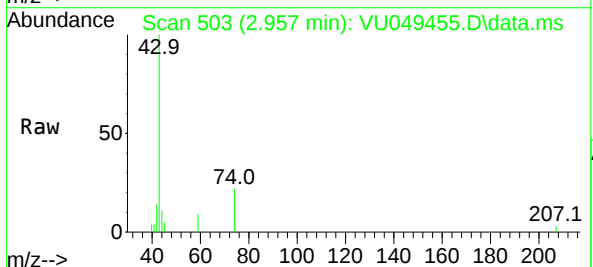
Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR

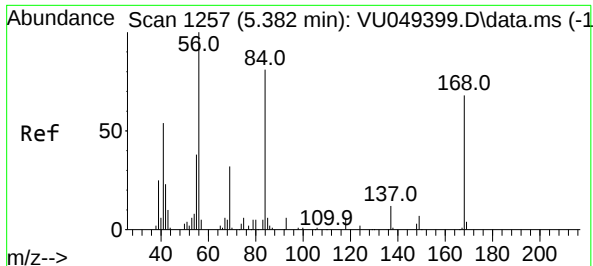
Tgt Ion:168 Resp: 303684
Ion Ratio Lower Upper
168 100
99 61.6 39.3 58.9#



#18
Methyl Acetate
Concen: 1.806 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion: 43 Resp: 11528
Ion Ratio Lower Upper
43 100
74 20.4 22.5 33.7#

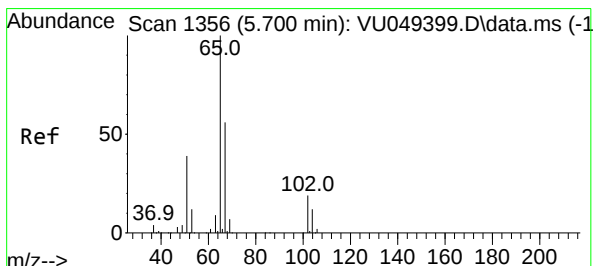
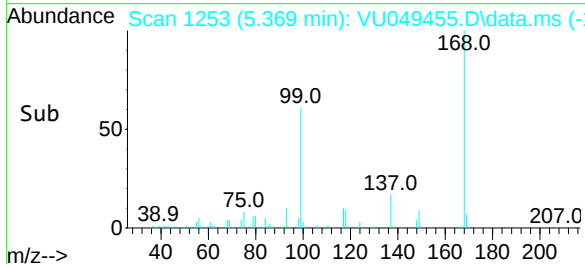
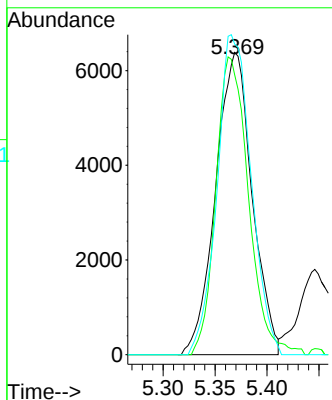
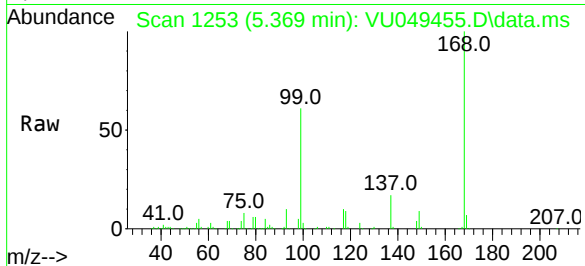




#31
Cyclohexane
Concen: 2.221 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

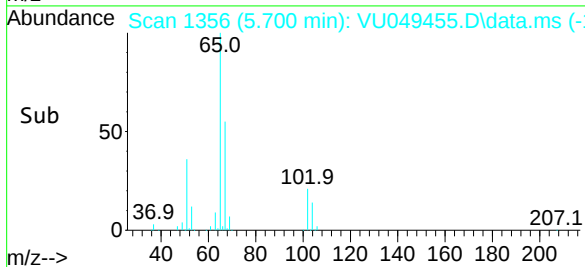
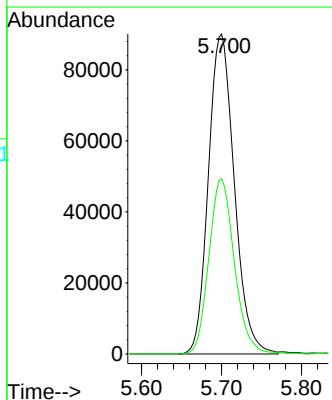
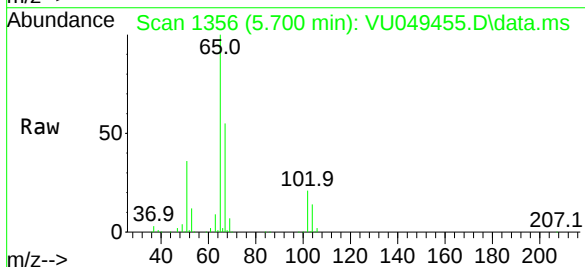
Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR

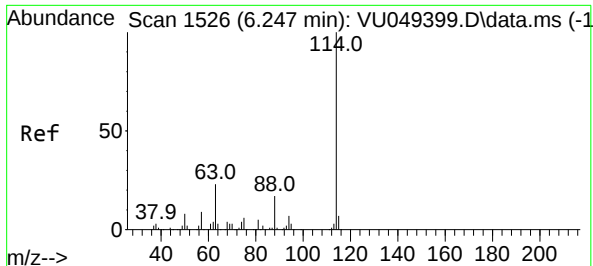
Tgt Ion: 56 Resp: 15598
Ion Ratio Lower Upper
56 100
69 92.6 27.8 41.8#
84 102.8 74.2 111.4



#33
1,2-Dichloroethane-d4
Concen: 43.377 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion: 65 Resp: 202869
Ion Ratio Lower Upper
65 100
67 53.8 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: VU049455.D

Acq: 28 Jun 2022 14:00

Instrument :

MSVOA_U

ClientSampleId :

SP-EXC-2-3-GR

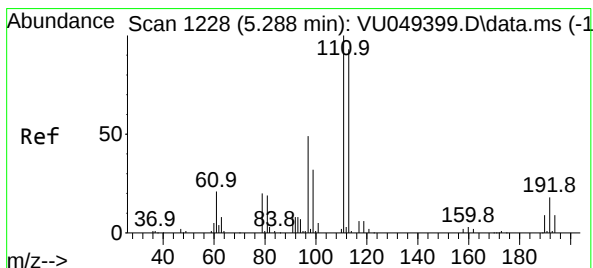
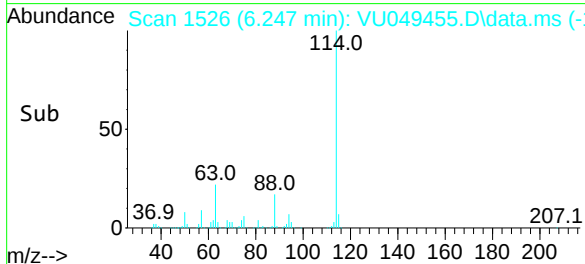
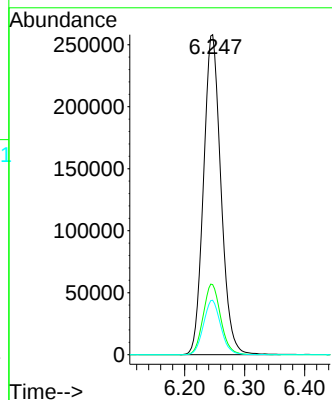
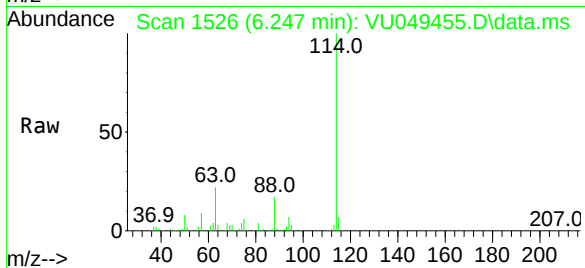
Tgt Ion:114 Resp: 521309

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 17.0 0.0 29.2



#35

Dibromofluoromethane

Concen: 43.594 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049455.D

Acq: 28 Jun 2022 14:00

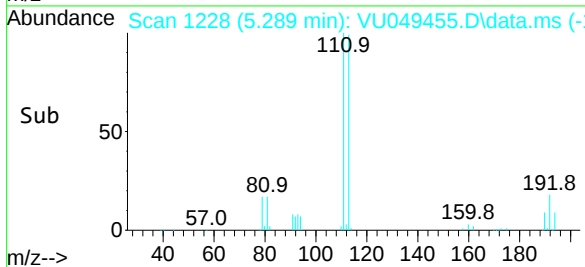
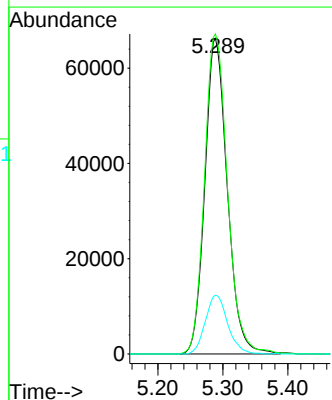
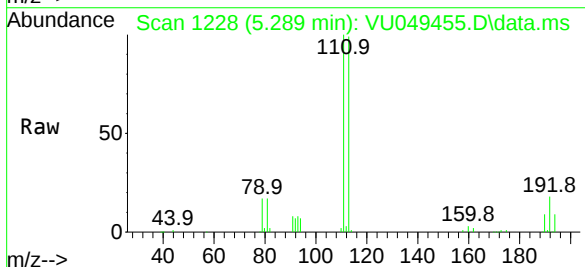
Tgt Ion:113 Resp: 158997

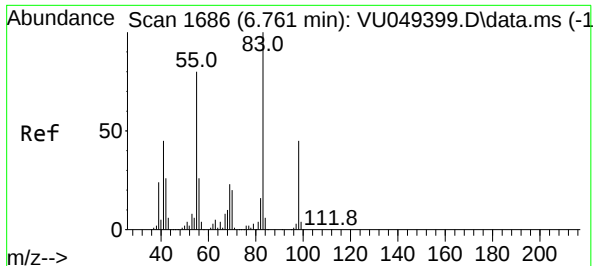
Ion Ratio Lower Upper

113 100

111 104.1 82.1 123.1

192 18.6 18.0 27.0





#39

Methylcyclohexane

Concen: 3.561 ug/l

RT: 6.755 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU049455.D

Acq: 28 Jun 2022 14:00

Instrument :

MSVOA_U

ClientSampleId :

SP-EXC-2-3-GR

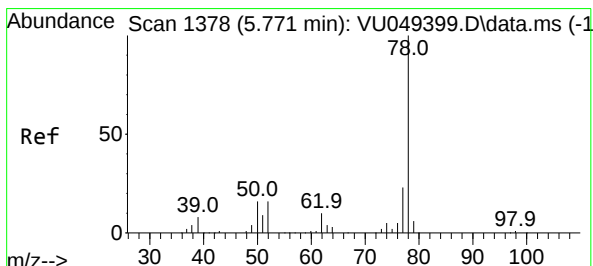
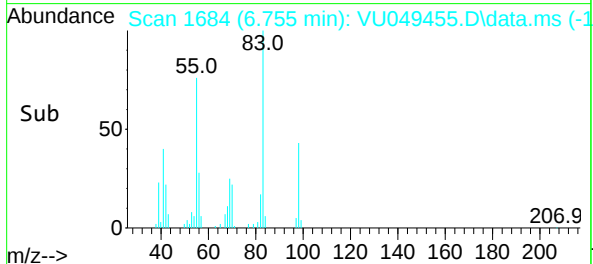
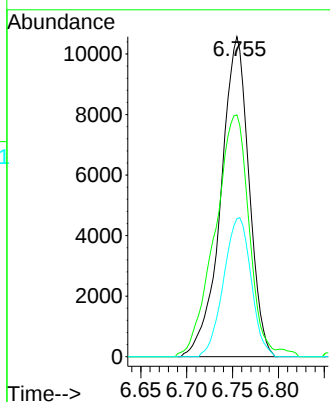
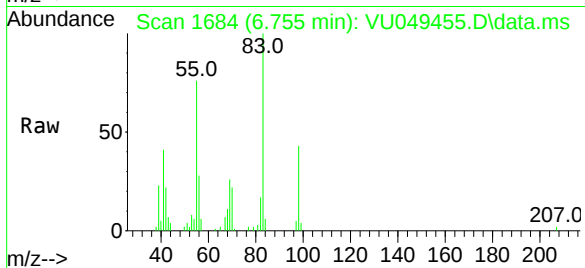
Tgt Ion: 83 Resp: 22572

Ion Ratio Lower Upper

83 100

55 74.5 55.3 82.9

98 43.1 37.3 55.9



#40

Benzene

Concen: 4.205 ug/l

RT: 5.768 min Scan# 1377

Delta R.T. -0.003 min

Lab File: VU049455.D

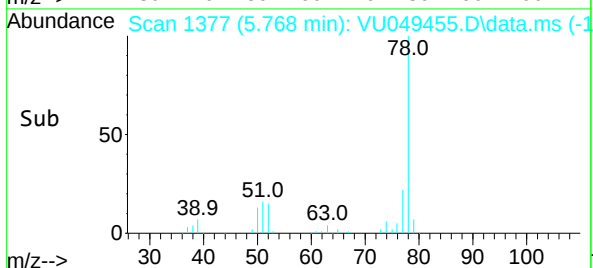
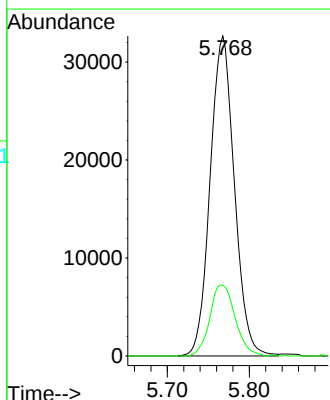
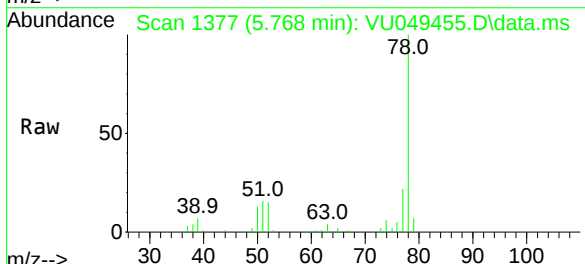
Acq: 28 Jun 2022 14:00

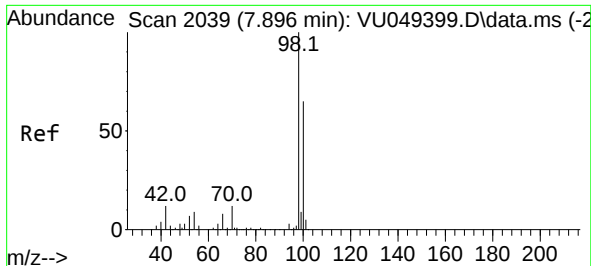
Tgt Ion: 78 Resp: 67142

Ion Ratio Lower Upper

78 100

77 22.1 18.8 28.2

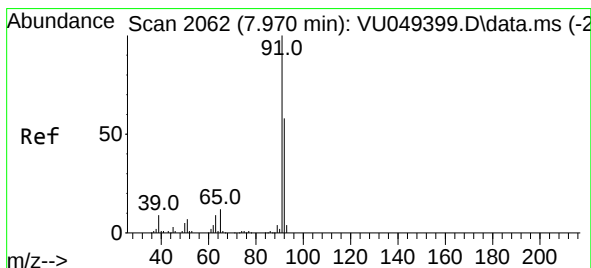
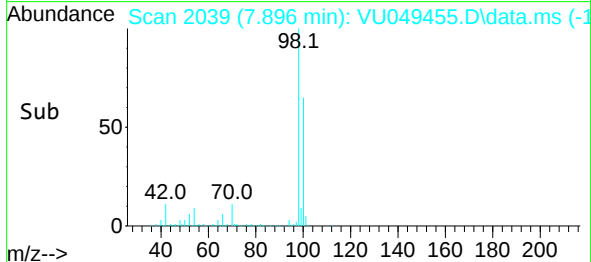
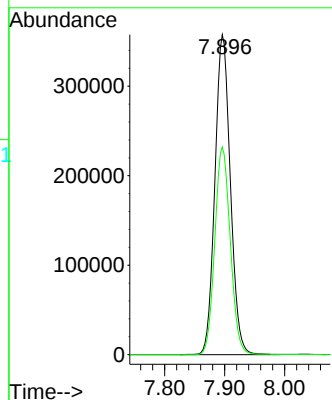
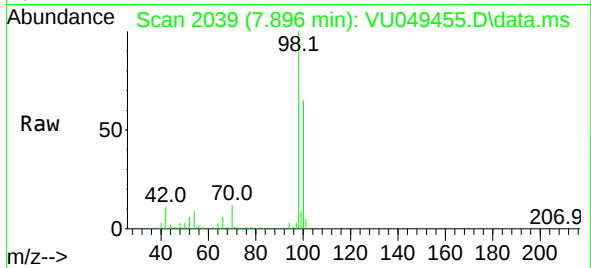




#50
Toluene-d8
Concen: 49.164 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

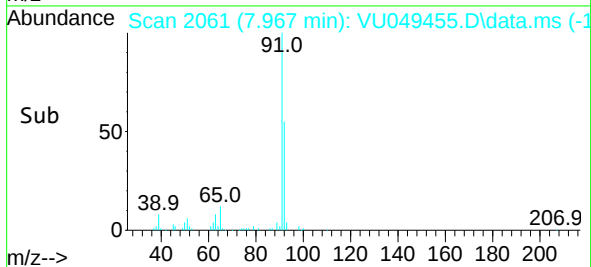
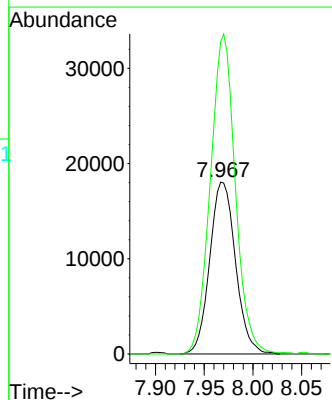
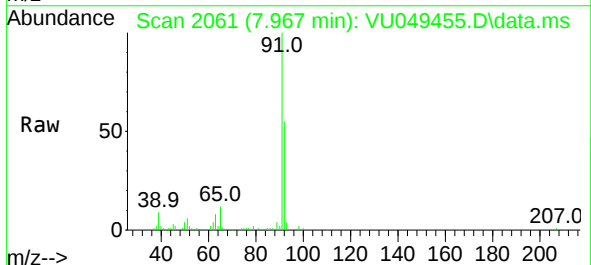
Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR

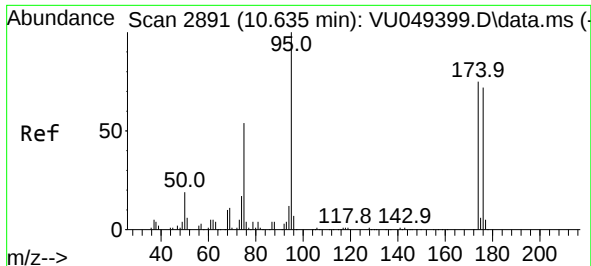
Tgt Ion: 98 Resp: 639553
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#52
Toluene
Concen: 3.499 ug/l
RT: 7.967 min Scan# 2061
Delta R.T. -0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion: 92 Resp: 33207
Ion Ratio Lower Upper
92 100
91 180.1 138.2 207.4

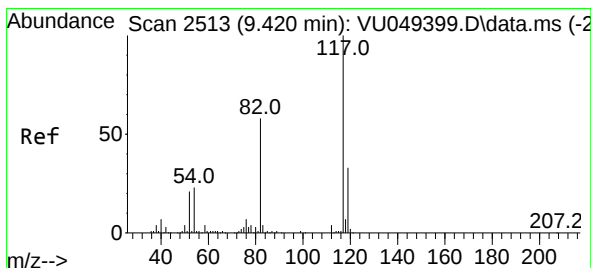
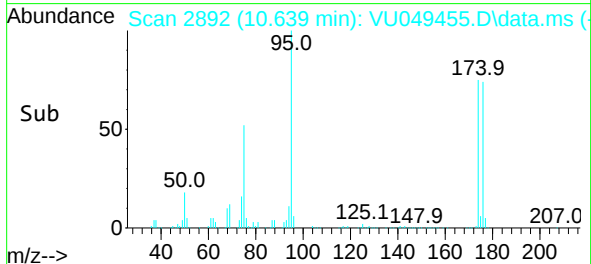
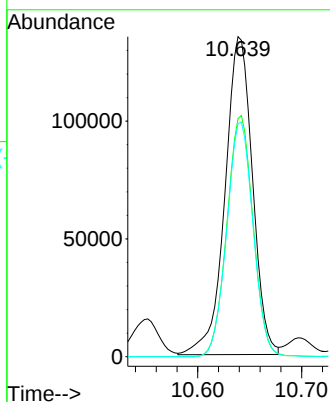
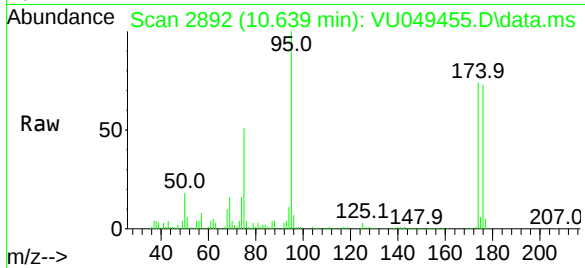




#62
4-Bromofluorobenzene
Concen: 49.808 ug/l
RT: 10.639 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

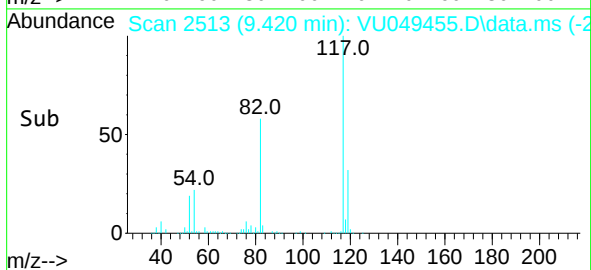
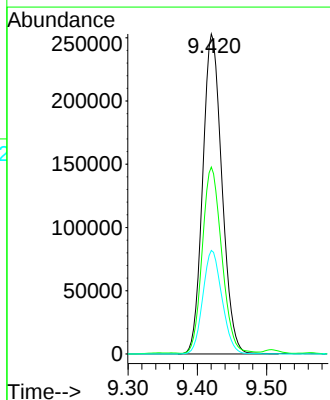
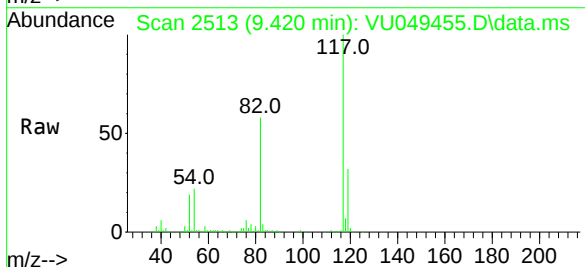
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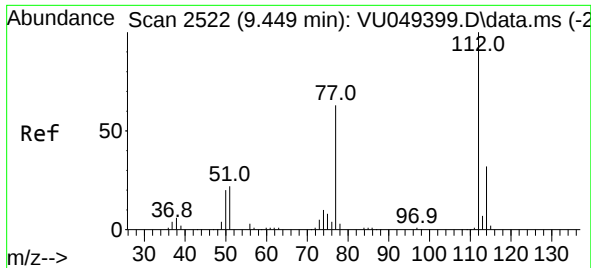
Tgt Ion: 95 Resp: 248204
Ion Ratio Lower Upper
95 100
174 72.5 0.0 182.0
176 70.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion: 117 Resp: 486230
Ion Ratio Lower Upper
117 100
82 58.1 41.7 62.5
119 32.3 25.7 38.5

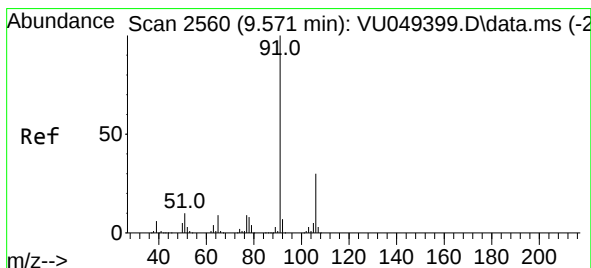
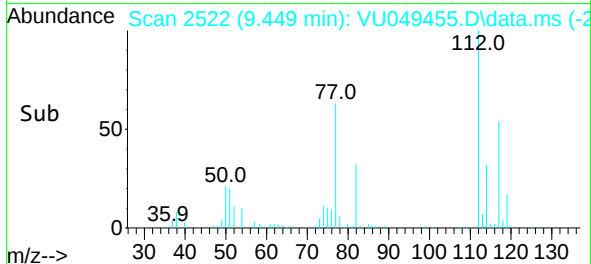
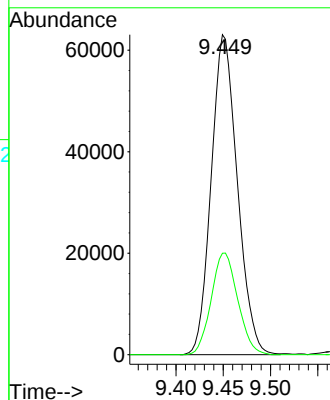
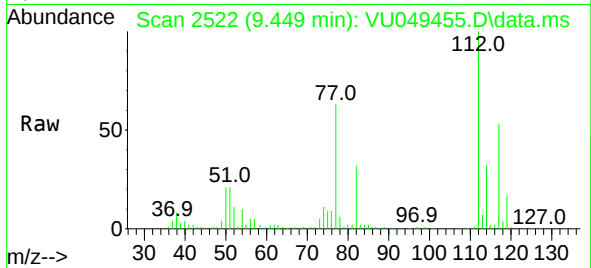




#65
Chlorobenzene
Concen: 12.204 ug/l
RT: 9.449 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

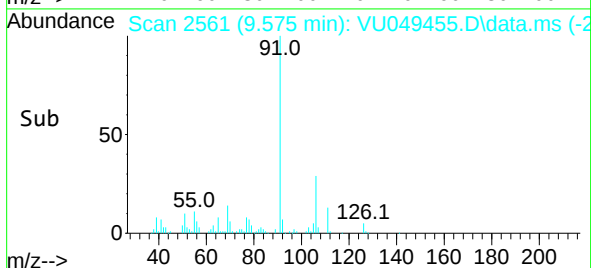
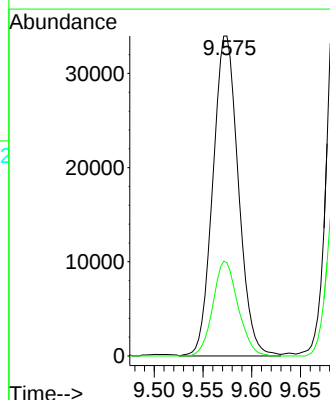
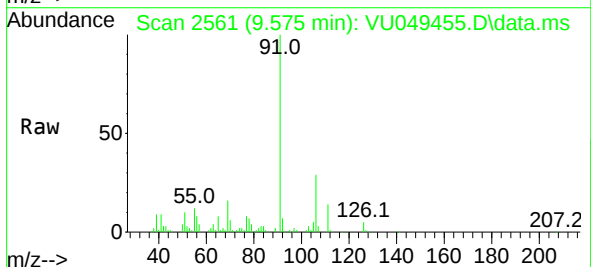
Instrument :
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ClientSampleId :
SP-EXC-2-3-GR

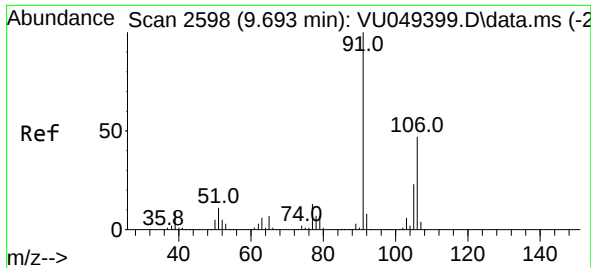
Tgt Ion:112 Resp: 121316
Ion Ratio Lower Upper
112 100
114 31.7 24.9 37.3



#67
Ethyl Benzene
Concen: 3.388 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion: 91 Resp: 61835
Ion Ratio Lower Upper
91 100
106 29.2 25.6 38.4

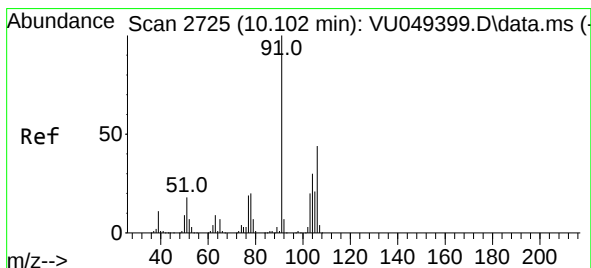
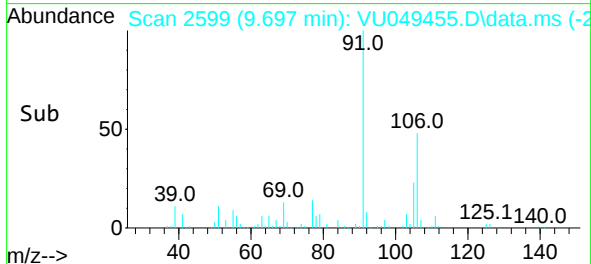
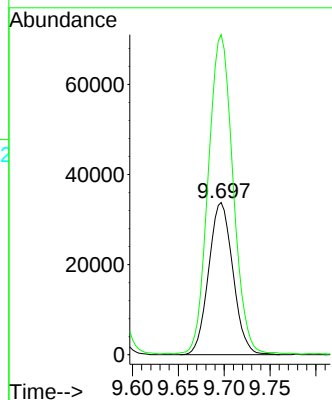
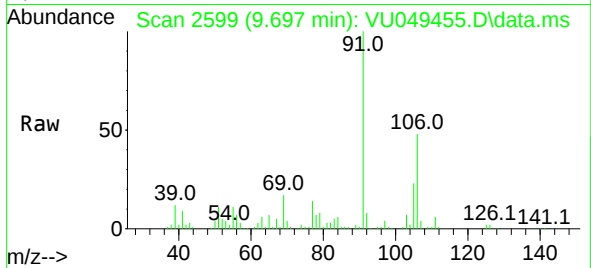




#68
m/p-Xylenes
Concen: 9.186 ug/l
RT: 9.697 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

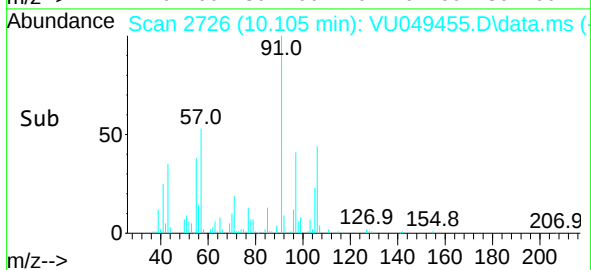
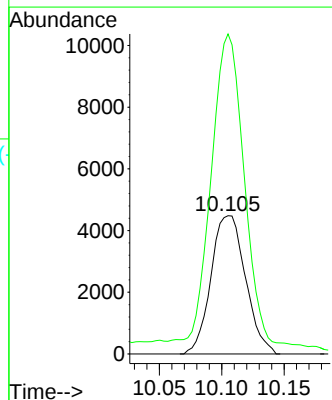
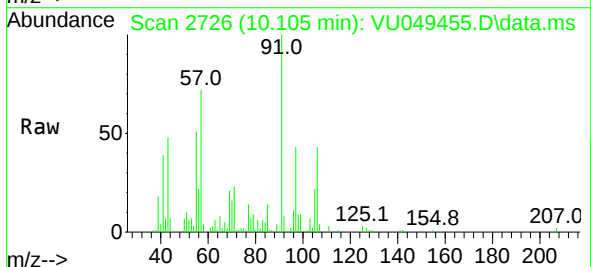
Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR

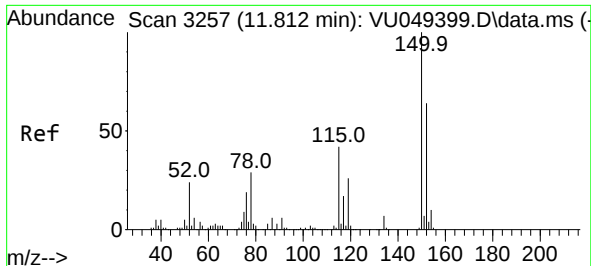
Tgt Ion:106 Resp: 62028
Ion Ratio Lower Upper
106 100
91 214.2 157.2 235.8



#69
o-Xylene
Concen: 1.289 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion:106 Resp: 8641
Ion Ratio Lower Upper
106 100
91 223.9 103.5 310.5

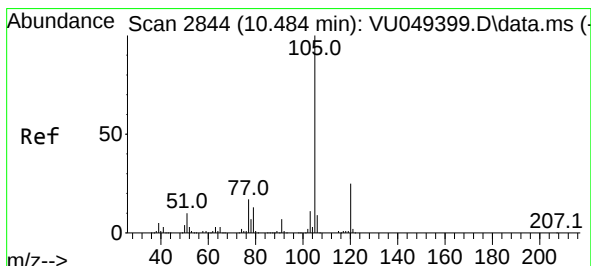
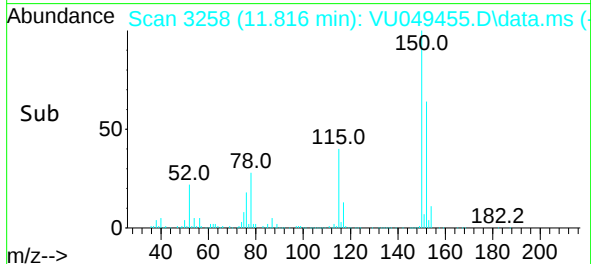
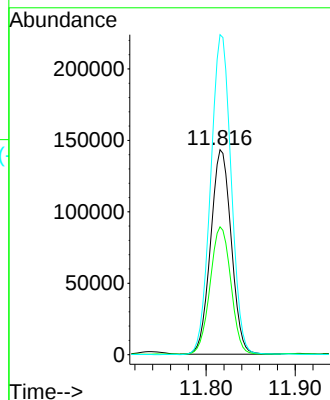
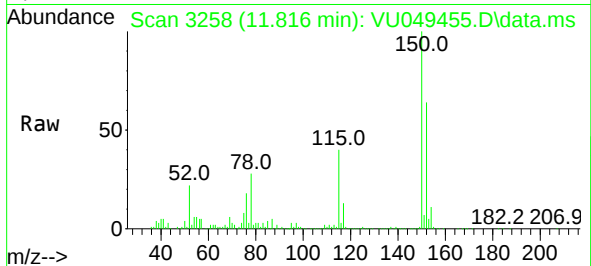




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

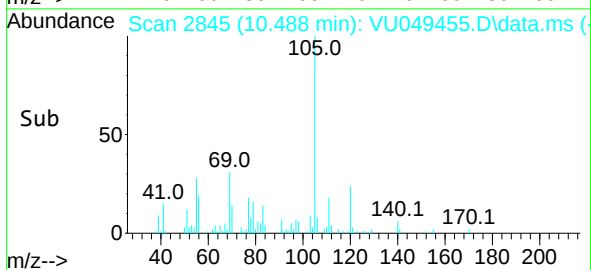
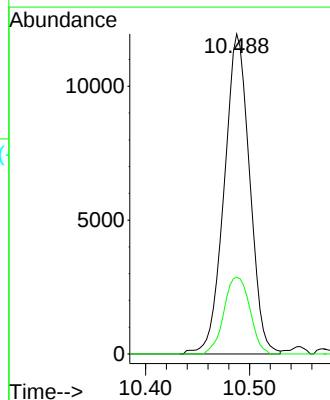
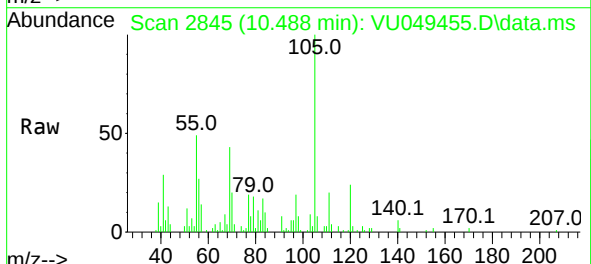
Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR

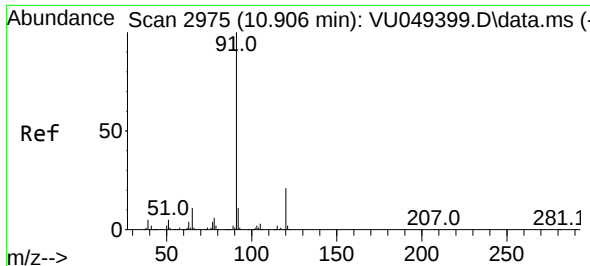
Tgt Ion:152 Resp: 230163
Ion Ratio Lower Upper
152 100
115 62.4 37.0 110.9
150 155.8 0.0 342.2



#73
Isopropylbenzene
Concen: 1.239 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion:105 Resp: 20321
Ion Ratio Lower Upper
105 100
120 24.4 13.8 41.4

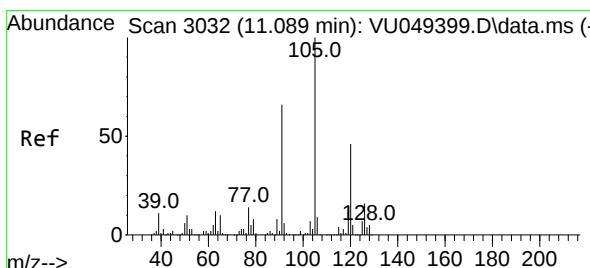
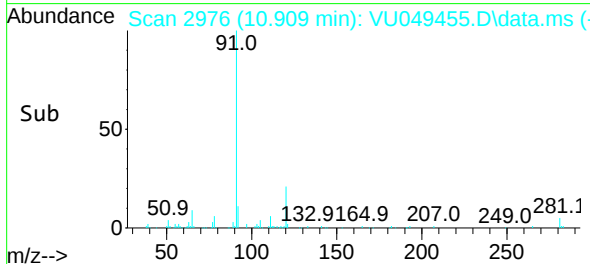
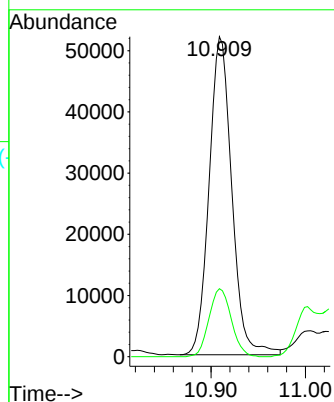
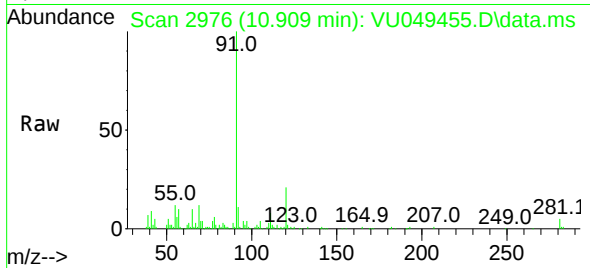




#78
n-propylbenzene
Concen: 4.347 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

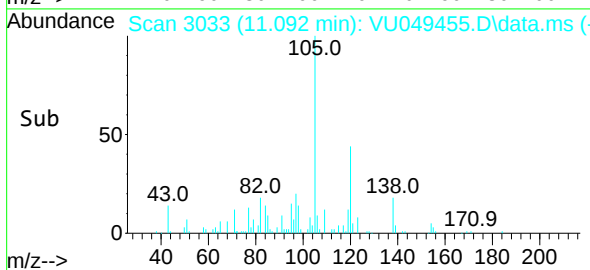
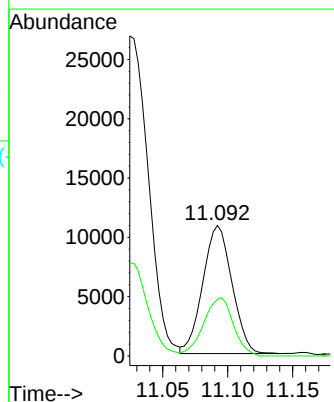
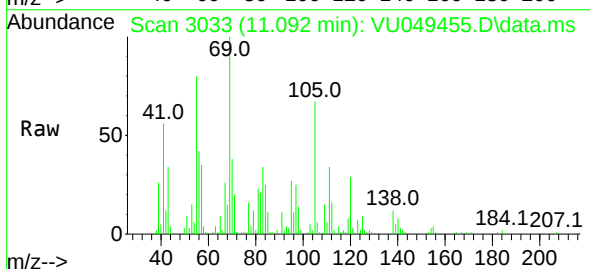
Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR

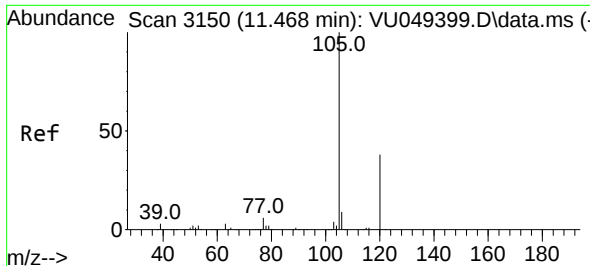
Tgt Ion: 91 Resp: 86613
Ion Ratio Lower Upper
91 100
120 21.0 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 1.178 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion: 105 Resp: 16855
Ion Ratio Lower Upper
105 100
120 46.4 25.3 75.9

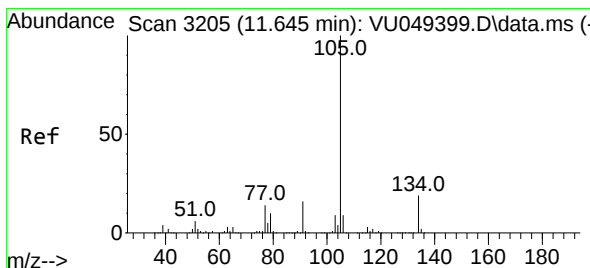
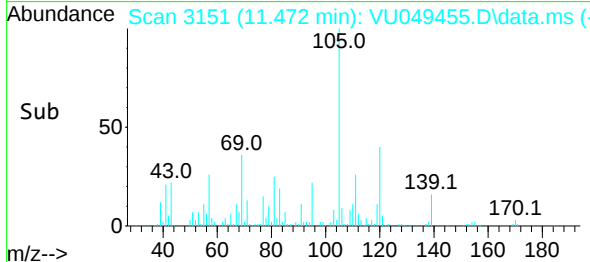
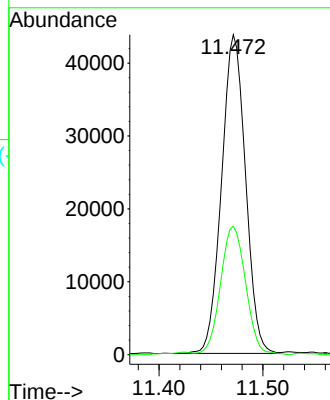
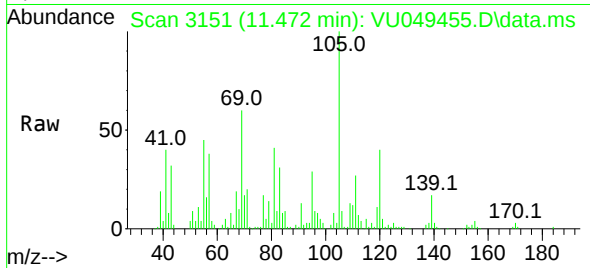




#84
1,2,4-Trimethylbenzene
Concen: 4.977 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

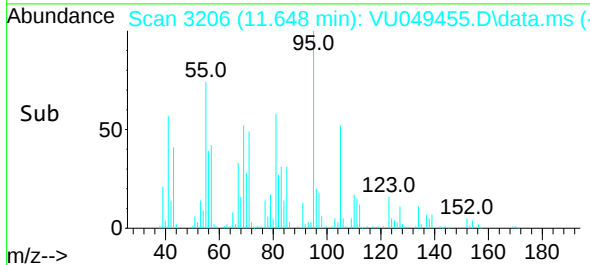
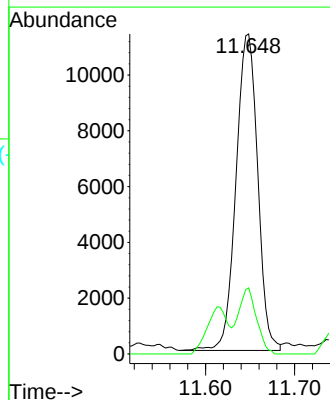
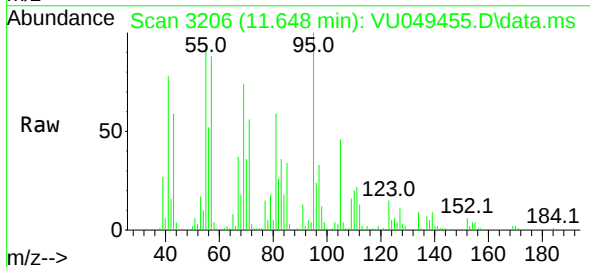
Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR

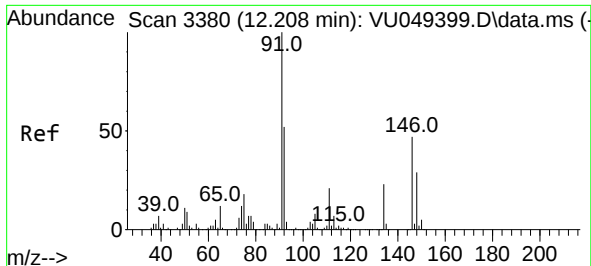
Tgt Ion:105 Resp: 69984
Ion Ratio Lower Upper
105 100
120 42.3 23.4 70.3



#85
sec-Butylbenzene
Concen: 1.083 ug/l
RT: 11.648 min Scan# 3206
Delta R.T. 0.003 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Tgt Ion:105 Resp: 19169
Ion Ratio Lower Upper
105 100
134 17.5 10.4 31.1





#89

n-Butylbenzene

Concen: 2.398 ug/l

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049455.D

Acq: 28 Jun 2022 14:00

Instrument :

MSVOA_U

ClientSampleId :

SP-EXC-2-3-GR

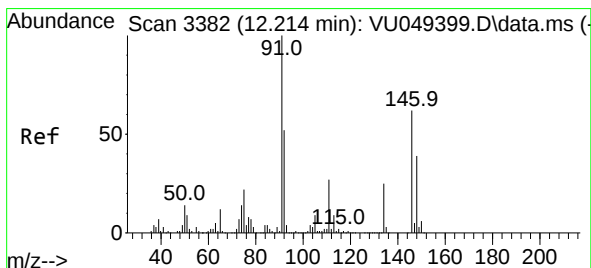
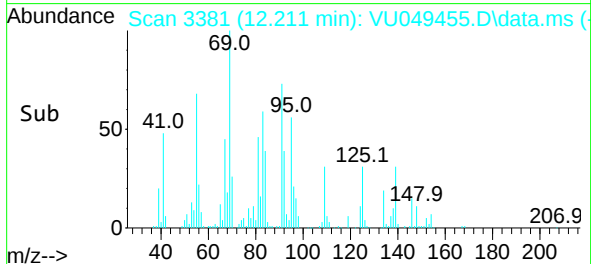
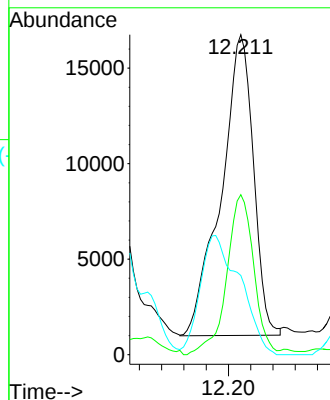
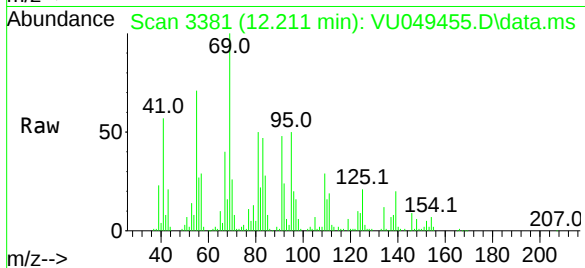
Tgt Ion: 91 Resp: 31770

Ion Ratio Lower Upper

91 100

92 44.6 26.2 78.6

134 0.0 13.5 40.4#



#91

1,2-Dichlorobenzene

Concen: 0.813 ug/l

RT: 12.217 min Scan# 3383

Delta R.T. 0.003 min

Lab File: VU049455.D

Acq: 28 Jun 2022 14:00

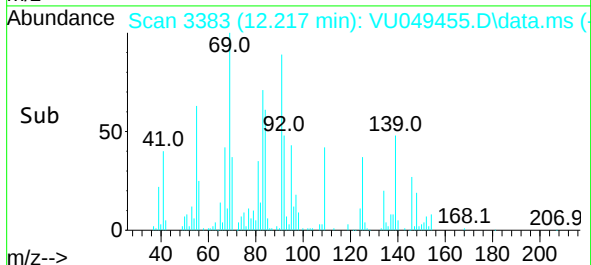
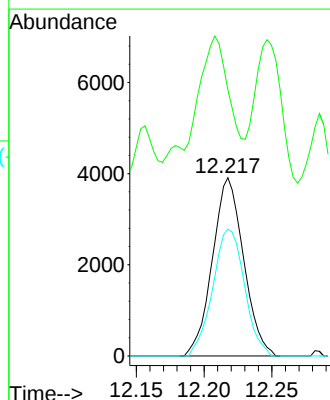
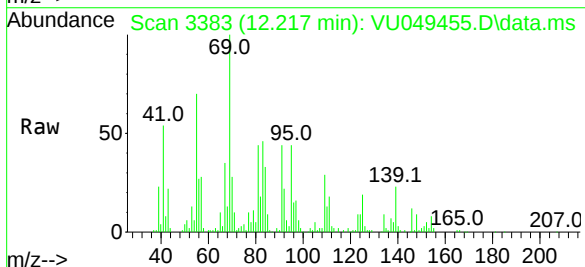
Tgt Ion:146 Resp: 6254

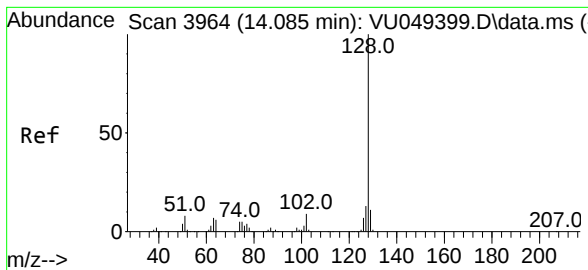
Ion Ratio Lower Upper

146 100

111 84.7 19.9 59.6#

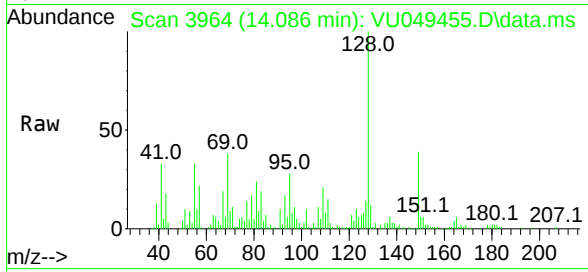
148 72.3 32.1 96.5





#95
Naphthalene
Concen: 5.219 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049455.D
Acq: 28 Jun 2022 14:00

Instrument :
MSVOA_U
ClientSampleId :
SP-EXC-2-3-GR



Tgt Ion:	128	Resp:	65025
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.3	15.5
129	14.9	8.6	13.0

