

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049414.D
 Acq On : 27 Jun 2022 19:29
 Operator : SY/MD
 Sample : N3334-05
 Misc : 1.79g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-14A-1A-7-GR

Quant Time: Jun 28 05:26:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

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

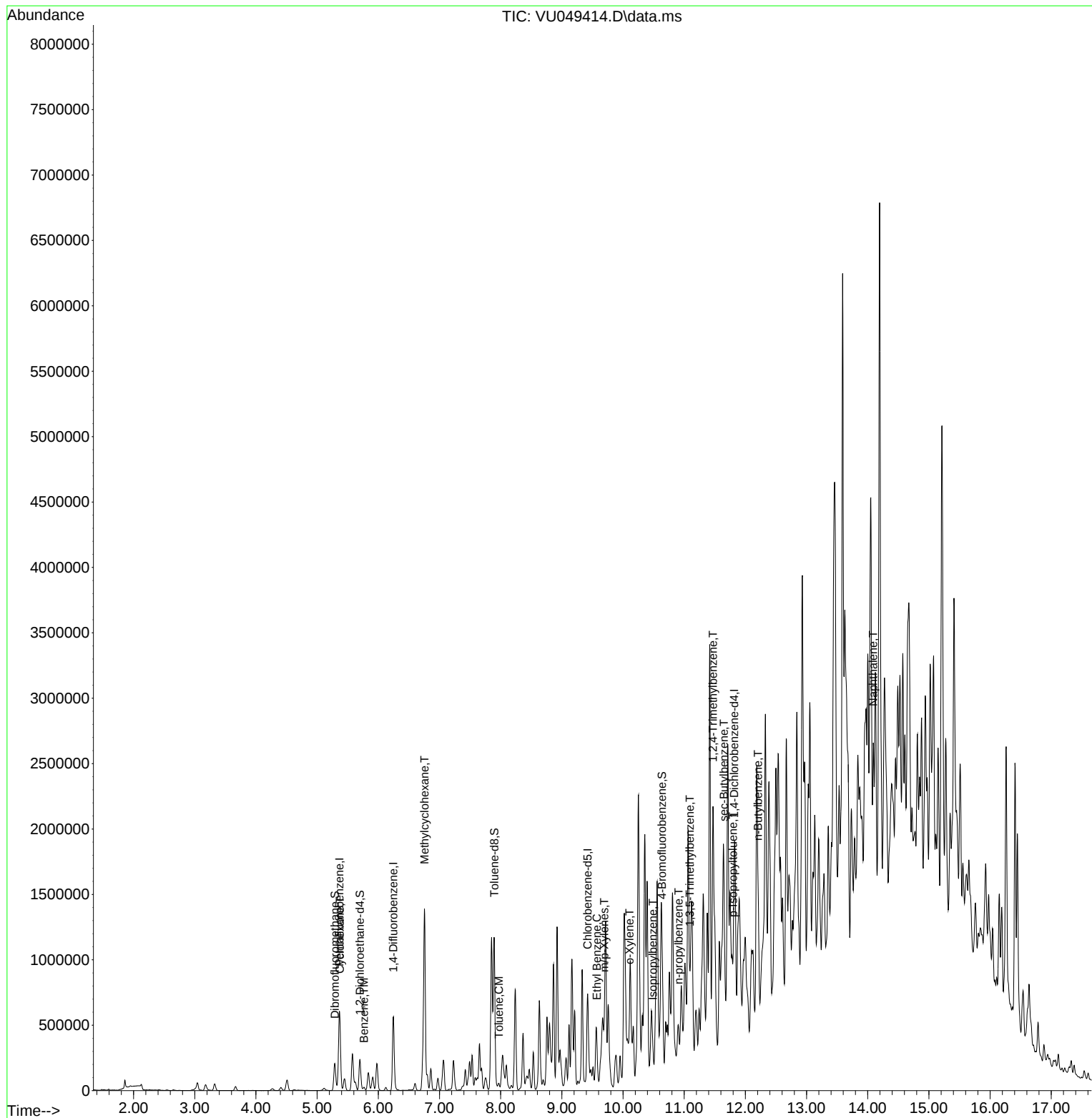
Internal Standards						
1) Pentafluorobenzene	5.366	168	281192	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	488190	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	444226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	208281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	187928	43.396	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.800%
35) Dibromofluoromethane	5.288	113	146404	42.865	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.720%
50) Toluene-d8	7.896	98	595688	48.898	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.800%
62) 4-Bromofluorobenzene	10.639	95	238431	51.093	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.180%
Target Compounds						
						Qvalue
31) Cyclohexane	5.372	56	105490	16.223	ug/l	91
39) Methylcyclohexane	6.755	83	599517	100.994	ug/l	91
40) Benzene	5.768	78	23266	1.556	ug/l	99
52) Toluene	7.970	92	19616	2.207	ug/l	95
67) Ethyl Benzene	9.574	91	81052	4.861	ug/l	96
68) m/p-Xylenes	9.693	106	60868	9.867	ug/l	86
69) o-Xylene	10.105	106	32425	5.295	ug/l	82
73) Isopropylbenzene	10.488	105	65501	4.415	ug/l	96
78) n-propylbenzene	10.909	91	129275	7.170	ug/l	97
80) 1,3,5-Trimethylbenzene	11.092	105	179466	13.855	ug/l	91
84) 1,2,4-Trimethylbenzene	11.471	105	667455	52.452	ug/l	94
85) sec-Butylbenzene	11.648	105	106892	6.673	ug/l	95
86) p-Isopropyltoluene	11.796	119	127469	9.840	ug/l	94
89) n-Butylbenzene	12.208	91	161485	13.467	ug/l #	52
95) Naphthalene	14.089	128	384301	24.485	ug/l #	89

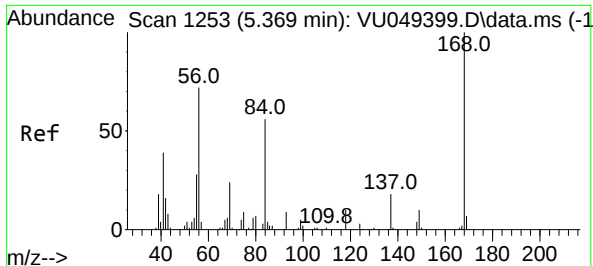
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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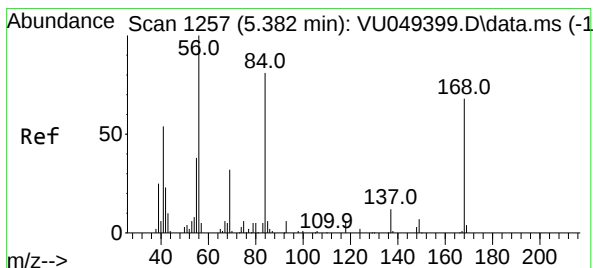
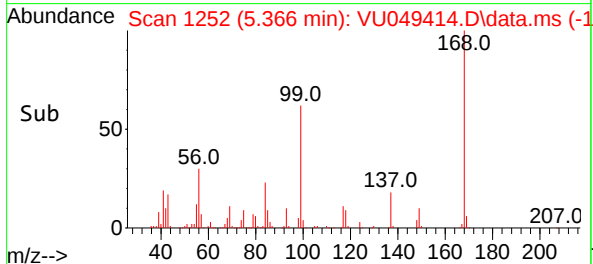
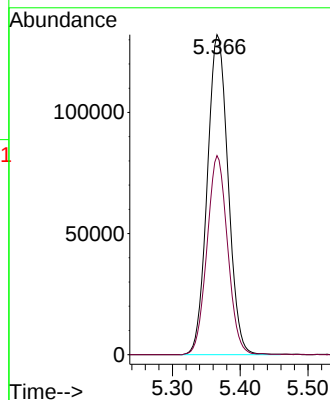
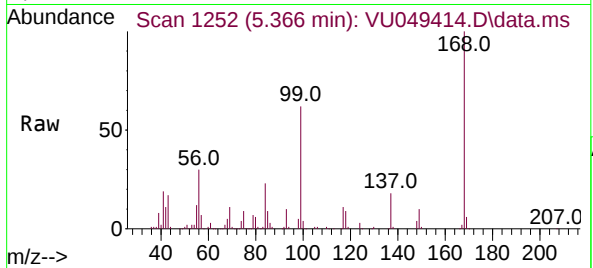




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

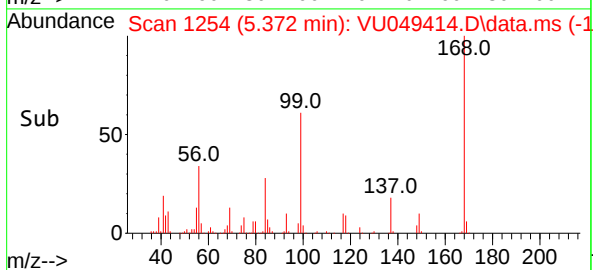
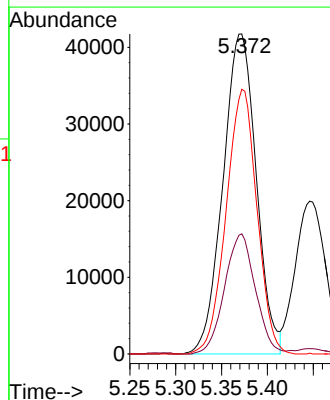
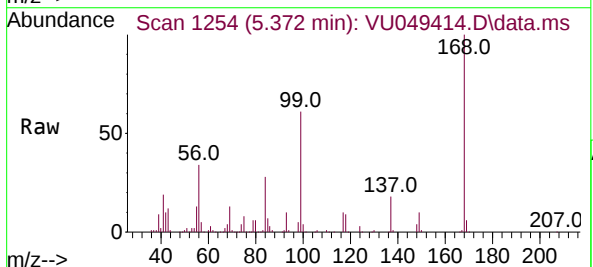
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-7-GR

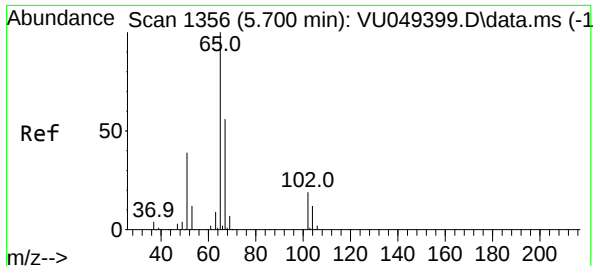
Tgt Ion:168 Resp: 281192
Ion Ratio Lower Upper
168 100
99 62.2 39.3 58.9#



#31
Cyclohexane
Concen: 16.223 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion: 56 Resp: 105490
Ion Ratio Lower Upper
56 100
69 37.6 27.8 41.8
84 82.7 74.2 111.4





#33

1,2-Dichloroethane-d4

Concen: 43.396 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049414.D

Acq: 27 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

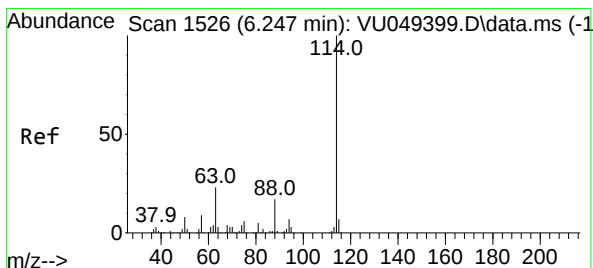
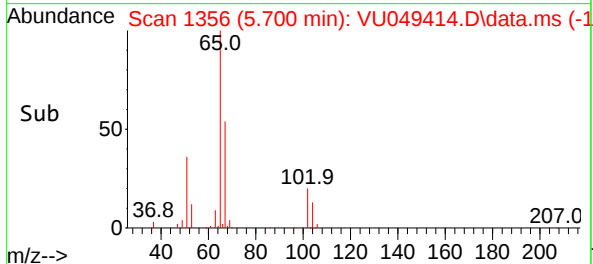
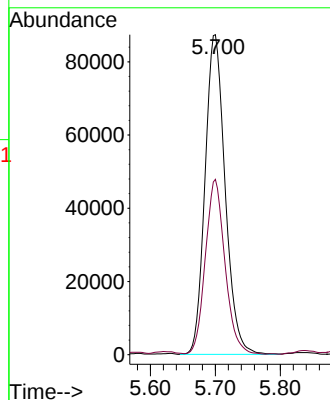
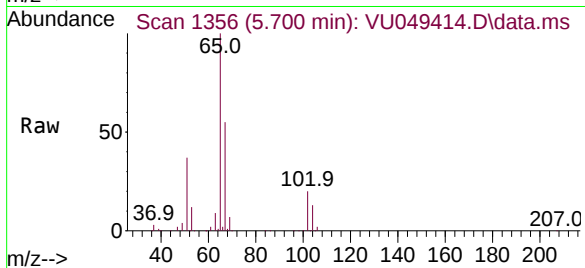
WC-14A-1A-7-GR

Tgt Ion: 65 Resp: 187928

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049414.D

Acq: 27 Jun 2022 19:29

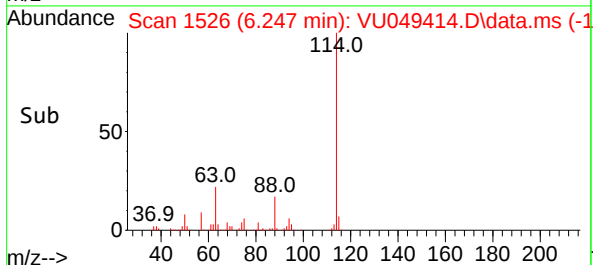
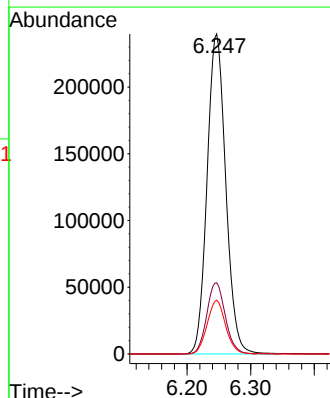
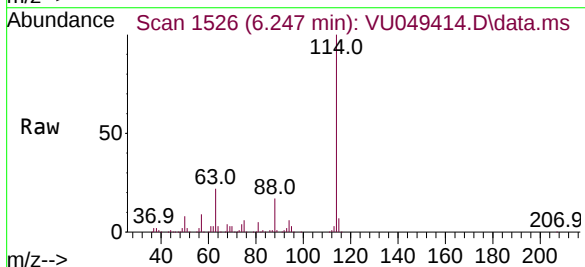
Tgt Ion: 114 Resp: 488190

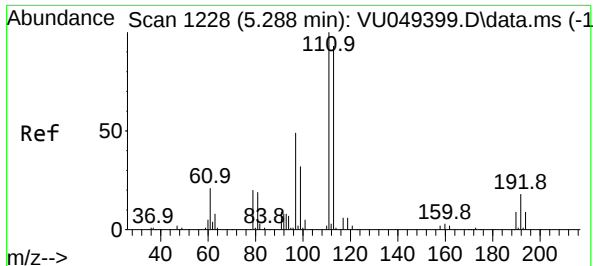
Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.8

88 16.8 0.0 29.2





#35

Dibromofluoromethane

Concen: 42.865 ug/l

RT: 5.288 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049414.D

Acq: 27 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

WC-14A-1A-7-GR

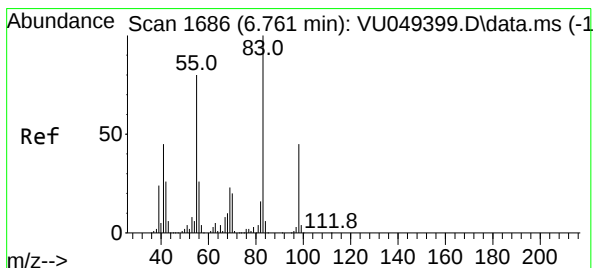
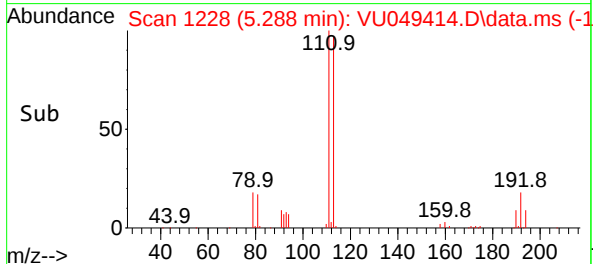
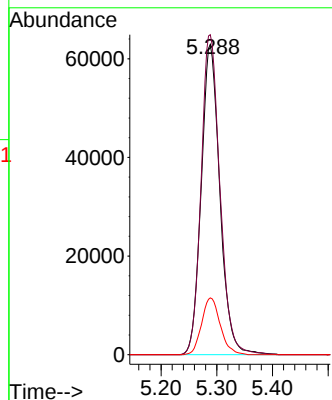
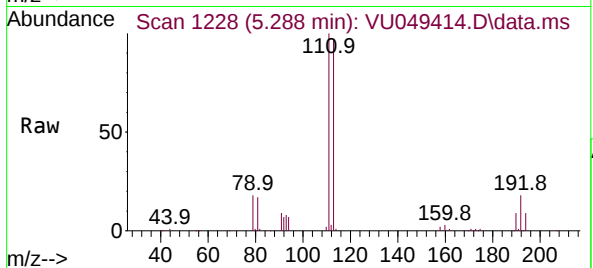
Tgt Ion:113 Resp: 146404

Ion Ratio Lower Upper

113 100

111 104.2 82.1 123.1

192 18.3 18.0 27.0



#39

Methylcyclohexane

Concen: 100.994 ug/l

RT: 6.755 min Scan# 1684

Delta R.T. -0.006 min

Lab File: VU049414.D

Acq: 27 Jun 2022 19:29

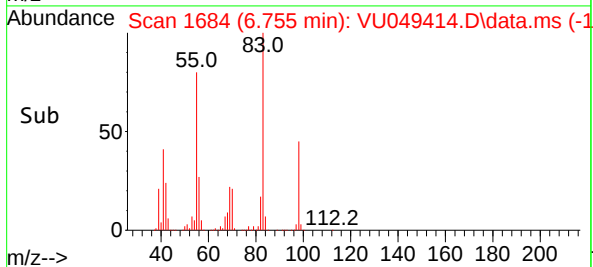
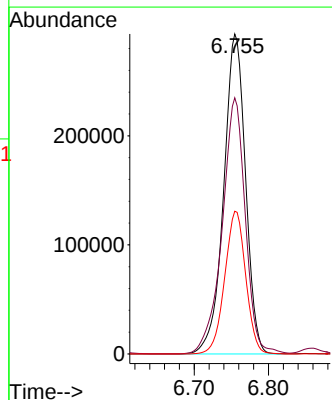
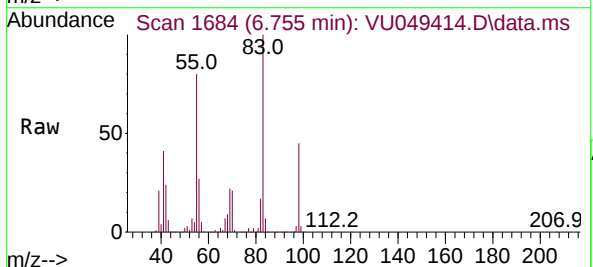
Tgt Ion: 83 Resp: 599517

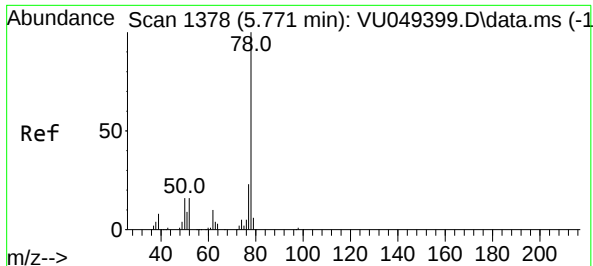
Ion Ratio Lower Upper

83 100

55 80.0 55.3 82.9

98 44.6 37.3 55.9

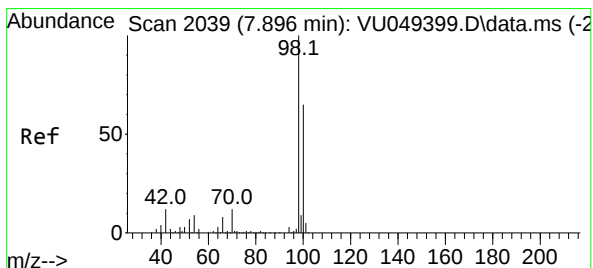
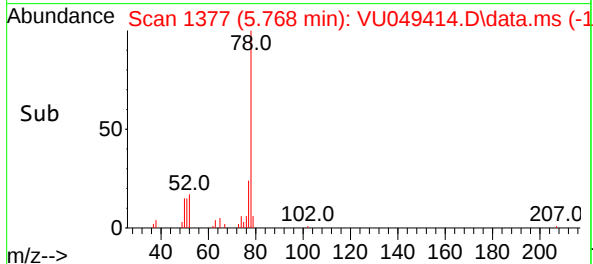
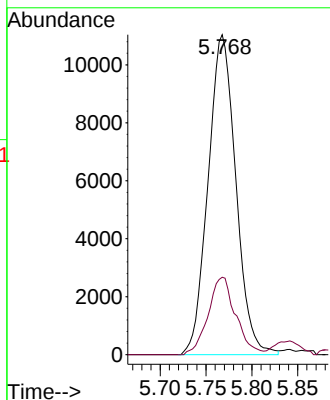
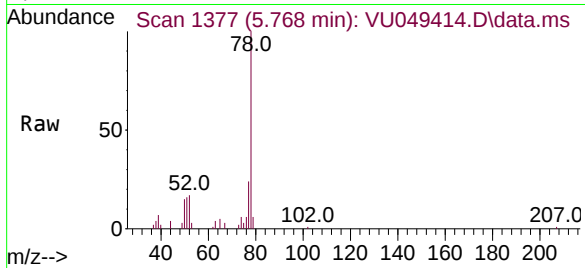




#40
Benzene
Concen: 1.556 ug/l
RT: 5.768 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

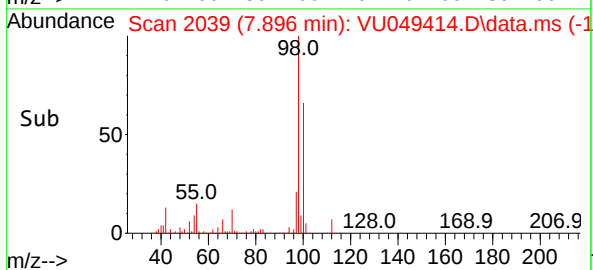
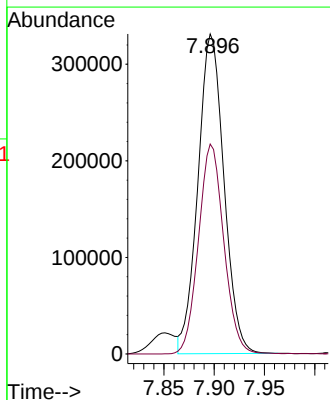
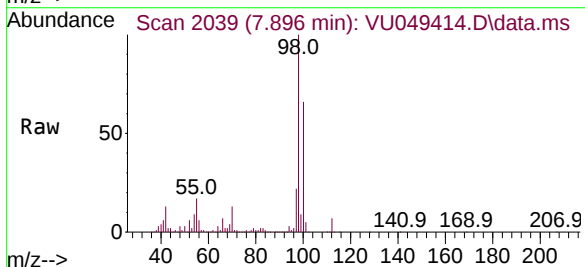
Instrument :
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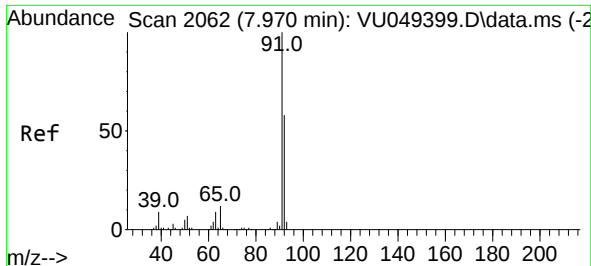
Tgt Ion: 78 Resp: 23266
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2



#50
Toluene-d8
Concen: 48.898 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion: 98 Resp: 595688
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

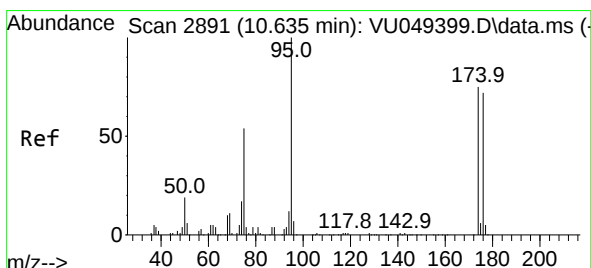
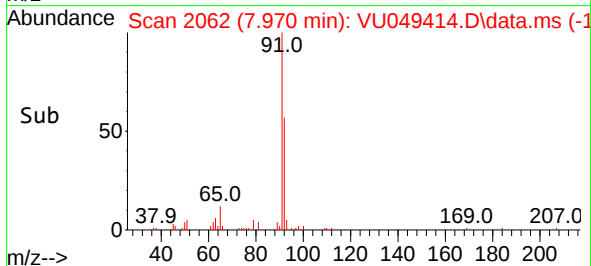
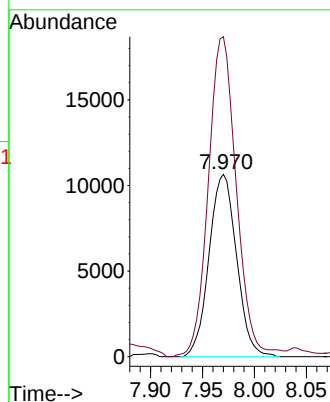
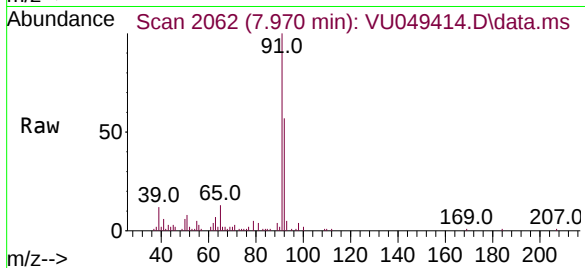




#52
Toluene
Concen: 2.207 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

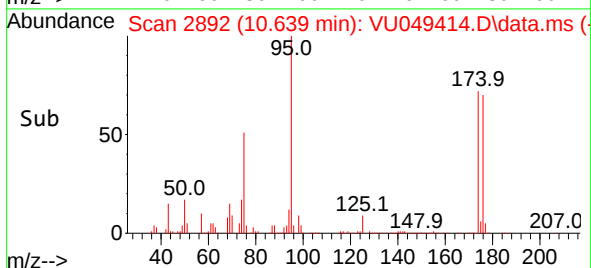
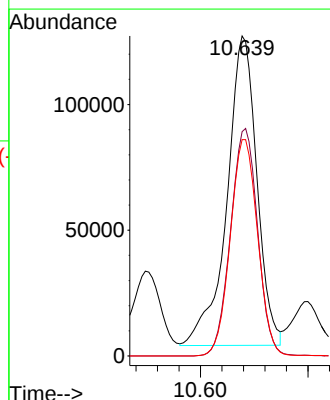
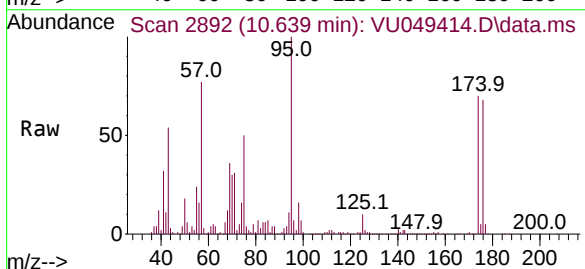
Instrument :
MSVOA_U
ClientSampleId :
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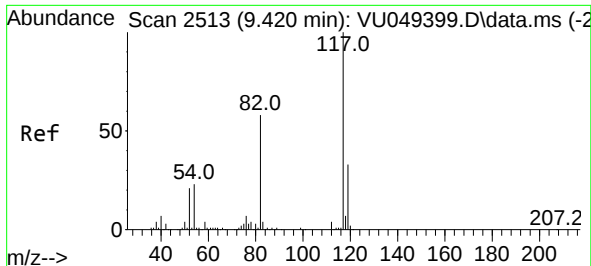
Tgt Ion: 92 Resp: 19616
Ion Ratio Lower Upper
92 100
91 179.2 138.2 207.4



#62
4-Bromofluorobenzene
Concen: 51.093 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion: 95 Resp: 238431
Ion Ratio Lower Upper
95 100
174 66.5 0.0 182.0
176 63.9 0.0 177.8

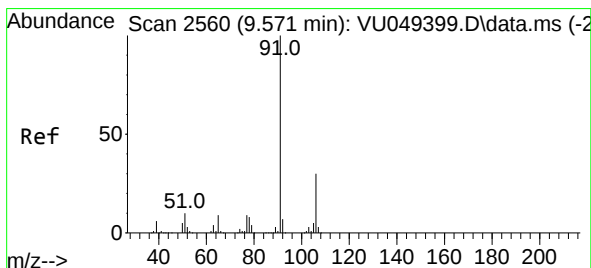
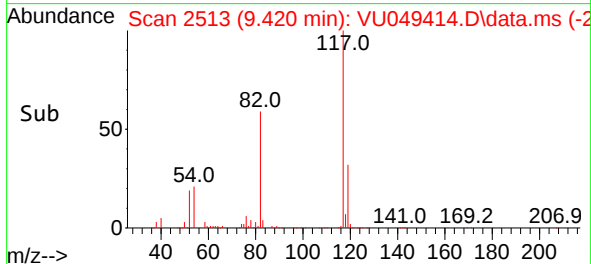
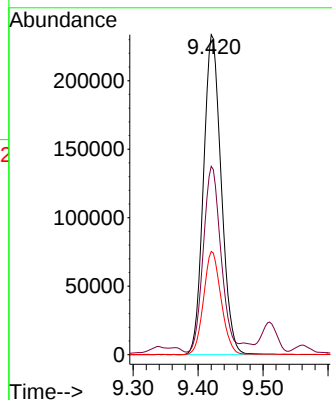
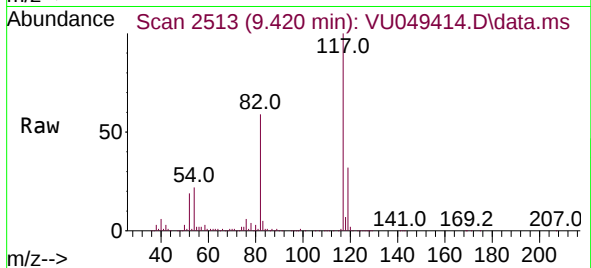




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

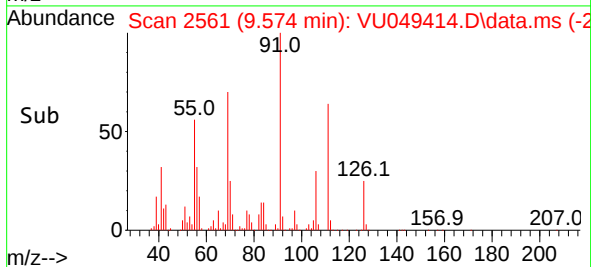
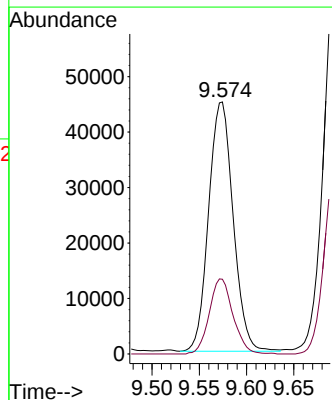
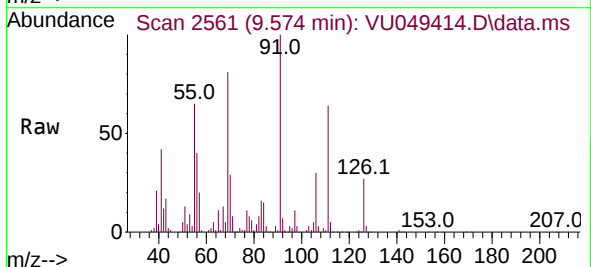
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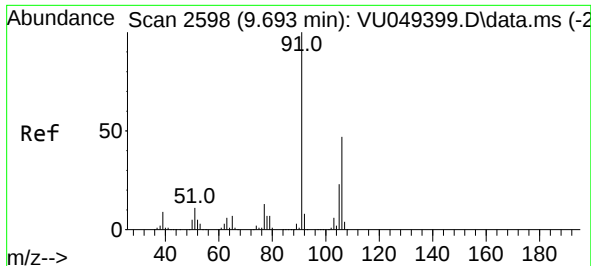
Tgt Ion:117 Resp: 444226
Ion Ratio Lower Upper
117 100
82 57.0 41.7 62.5
119 32.3 25.7 38.5



#67
Ethyl Benzene
Concen: 4.861 ug/l
RT: 9.574 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion: 91 Resp: 81052
Ion Ratio Lower Upper
91 100
106 30.0 25.6 38.4

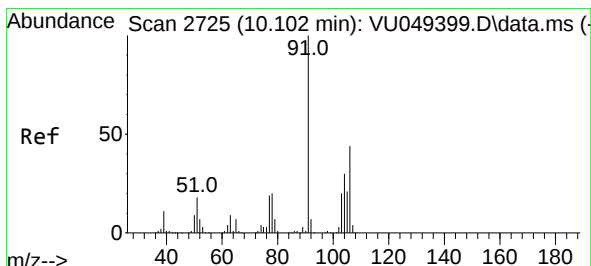
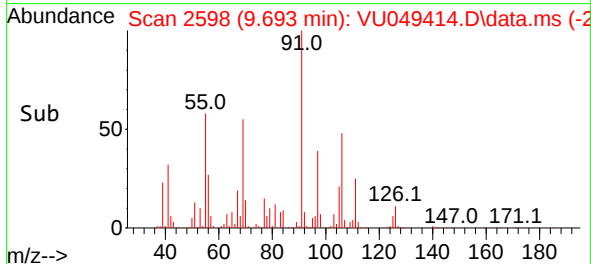
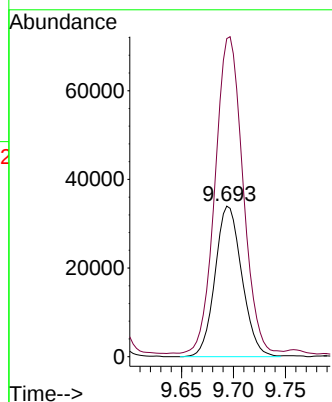
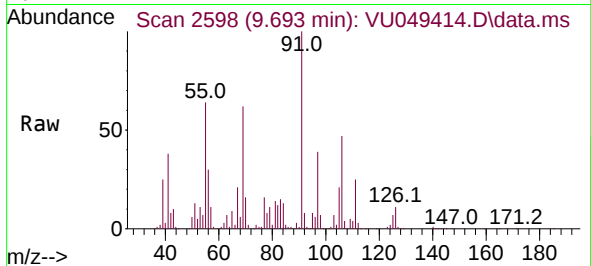




#68
m/p-Xylenes
Concen: 9.867 ug/l
RT: 9.693 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

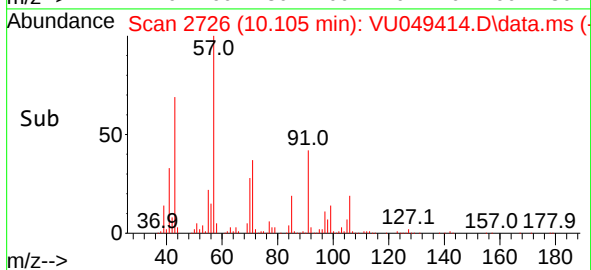
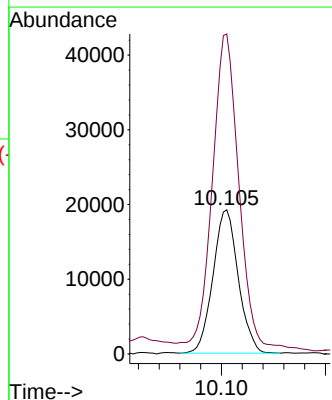
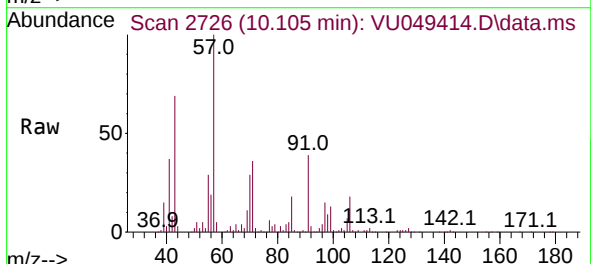
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-7-GR

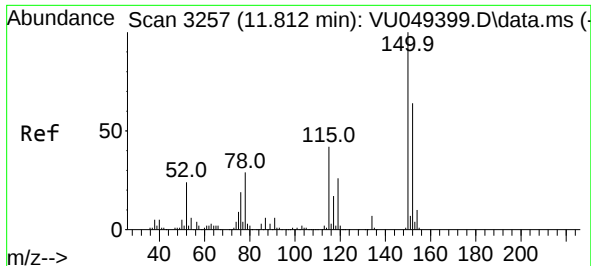
Tgt Ion:106 Resp: 60868
Ion Ratio Lower Upper
106 100
91 217.7 157.2 235.8



#69
o-Xylene
Concen: 5.295 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion:106 Resp: 32425
Ion Ratio Lower Upper
106 100
91 234.5 103.5 310.5

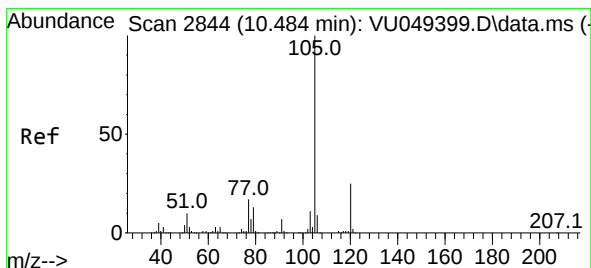
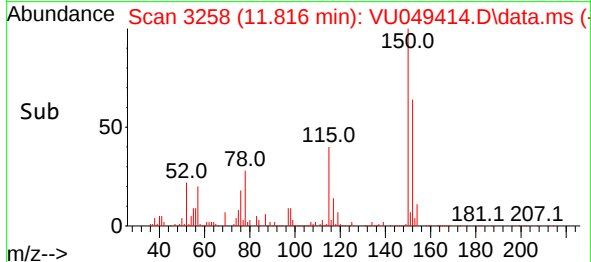
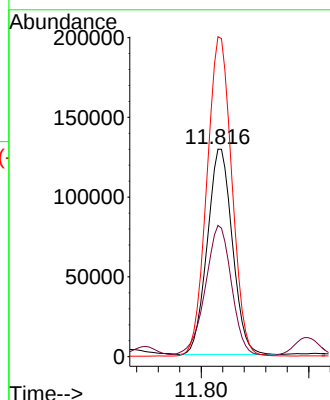
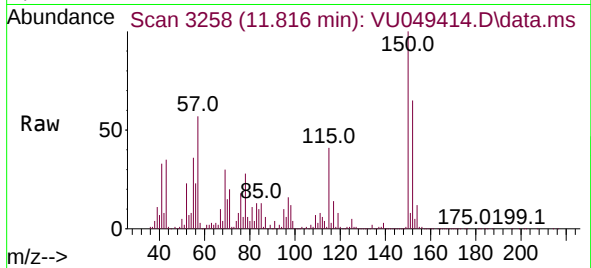




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

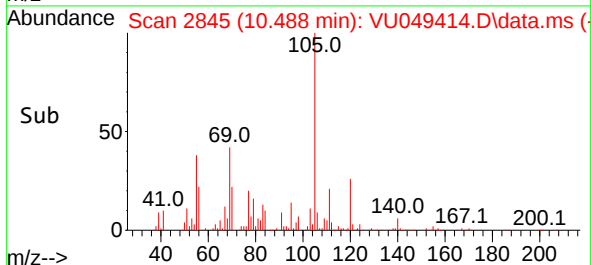
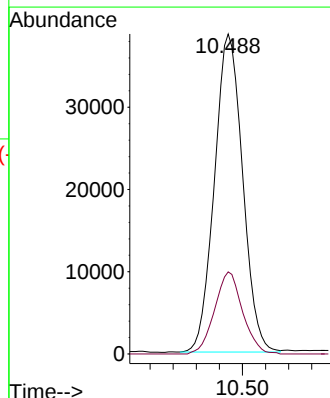
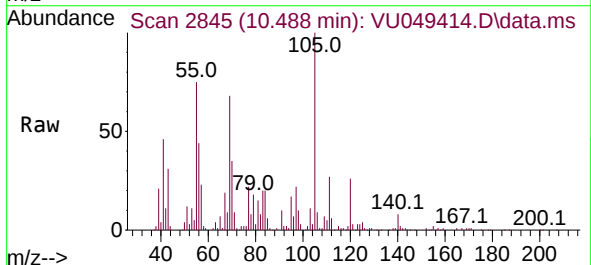
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-7-GR

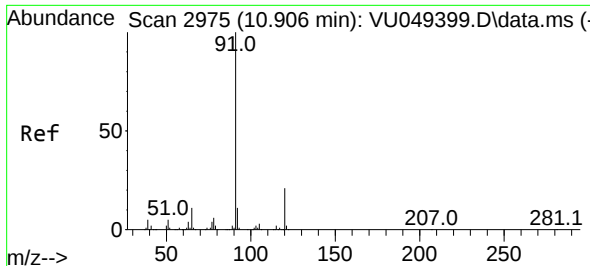
Tgt Ion:152 Resp: 208281
Ion Ratio Lower Upper
152 100
115 66.1 37.0 110.9
150 155.1 0.0 342.2



#73
Isopropylbenzene
Concen: 4.415 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion:105 Resp: 65501
Ion Ratio Lower Upper
105 100
120 25.6 13.8 41.4

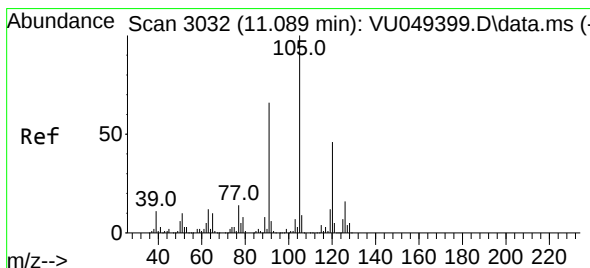
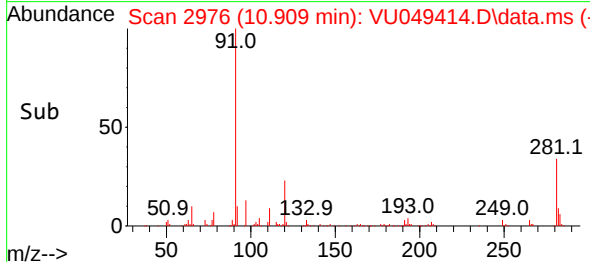
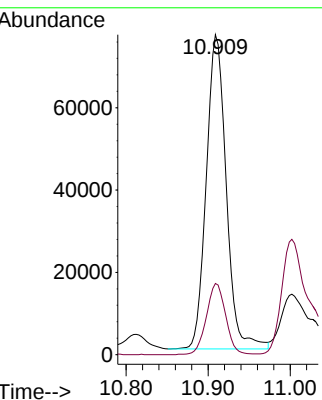
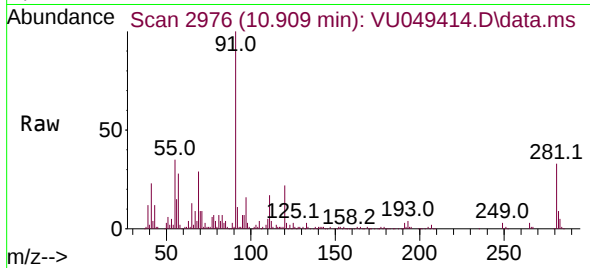




#78
n-propylbenzene
Concen: 7.170 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

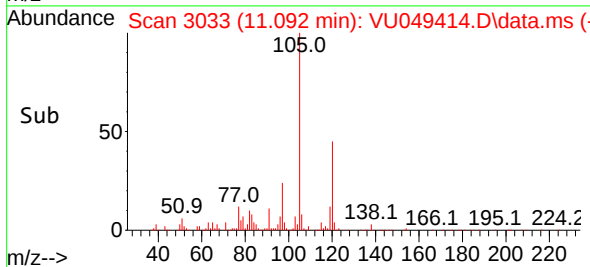
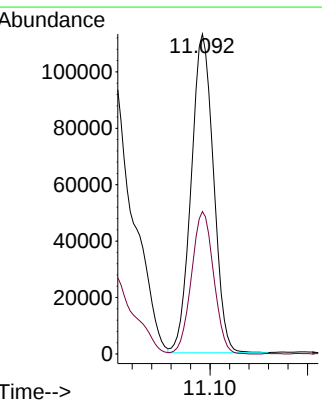
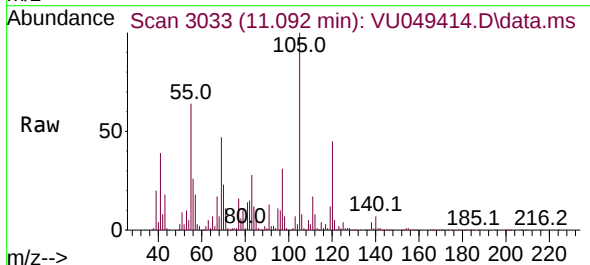
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-7-GR

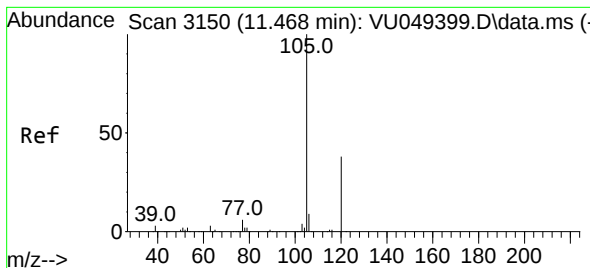
Tgt Ion: 91 Resp: 129275
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 13.855 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion:105 Resp: 179466
Ion Ratio Lower Upper
105 100
120 44.5 25.3 75.9





#84

1,2,4-Trimethylbenzene

Concen: 52.452 ug/l

RT: 11.471 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VU049414.D

Acq: 27 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

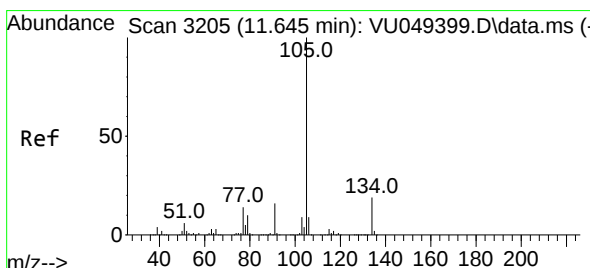
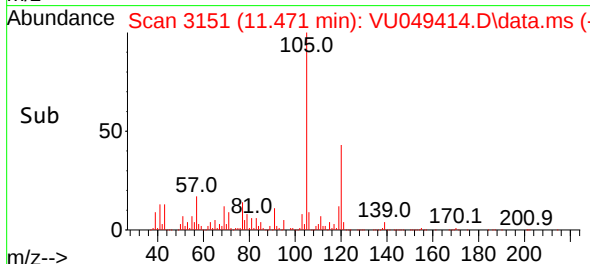
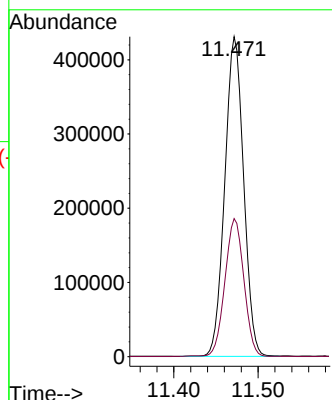
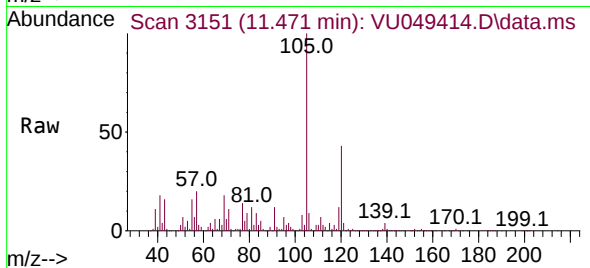
WC-14A-1A-7-GR

Tgt Ion:105 Resp: 667455

Ion Ratio Lower Upper

105 100

120 43.2 23.4 70.3



#85

sec-Butylbenzene

Concen: 6.673 ug/l

RT: 11.648 min Scan# 3206

Delta R.T. 0.003 min

Lab File: VU049414.D

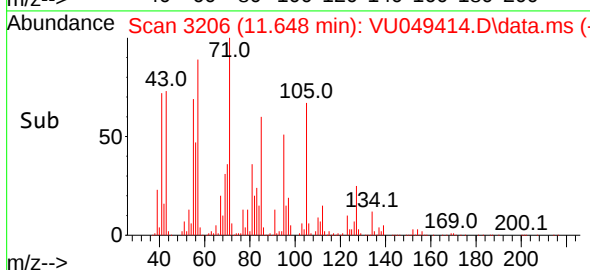
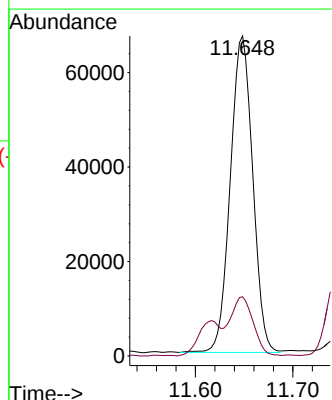
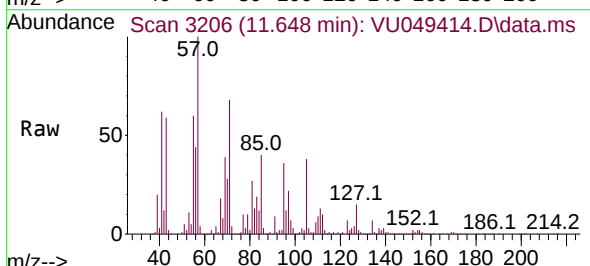
Acq: 27 Jun 2022 19:29

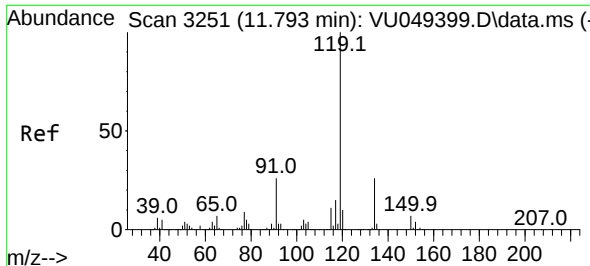
Tgt Ion:105 Resp: 106892

Ion Ratio Lower Upper

105 100

134 18.6 10.4 31.1

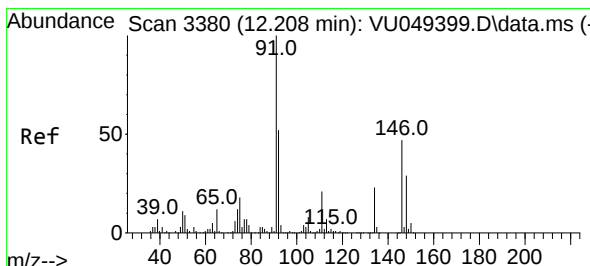
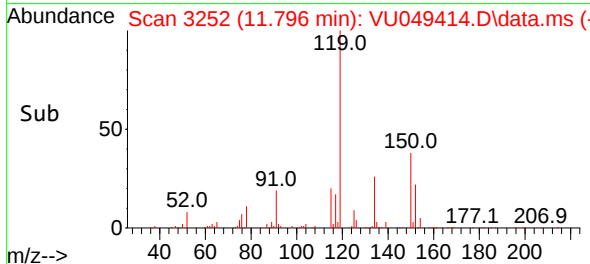
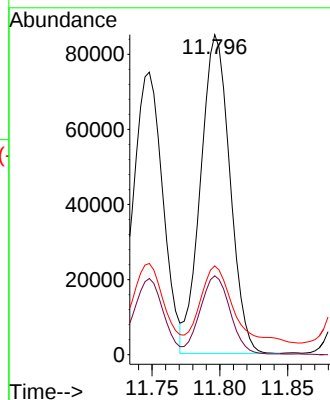
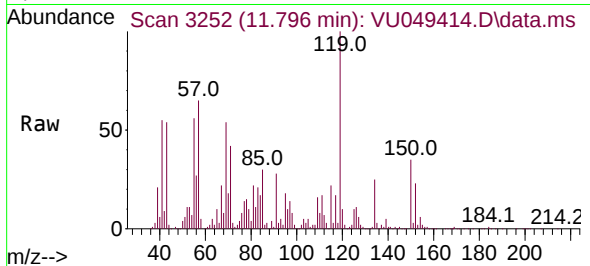




#86
p-Isopropyltoluene
Concen: 9.840 ug/l
RT: 11.796 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

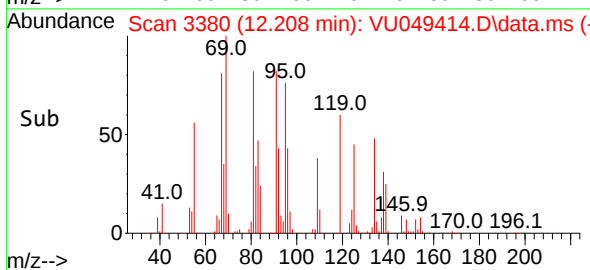
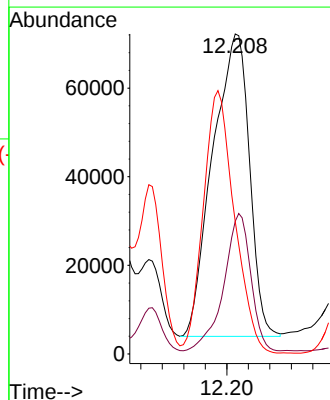
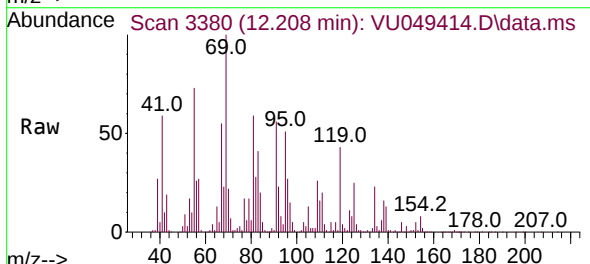
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-7-GR

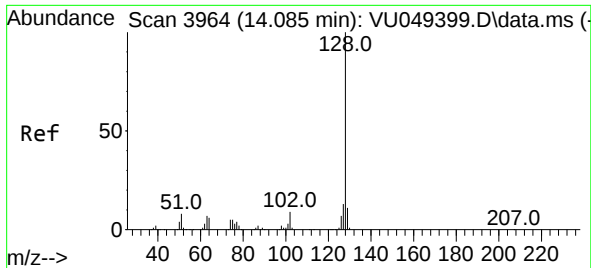
Tgt Ion:119 Resp: 127469
Ion Ratio Lower Upper
119 100
134 25.1 13.5 40.4
91 26.3 11.2 33.5



#89
n-Butylbenzene
Concen: 13.467 ug/l
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU049414.D
Acq: 27 Jun 2022 19:29

Tgt Ion: 91 Resp: 161485
Ion Ratio Lower Upper
91 100
92 33.6 26.2 78.6
134 73.9 13.5 40.4#





#95

Naphthalene

Concen: 24.485 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU049414.D

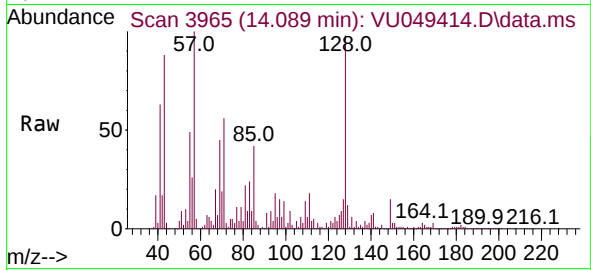
Acq: 27 Jun 2022 19:29

Instrument :

MSVOA_U

ClientSampleId :

WC-14A-1A-7-GR



Tgt Ion:128 Resp: 384301

Ion Ratio Lower Upper

128 100

127 17.5 10.3 15.5#

129 6.8 8.6 13.0#

