

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049444.D
 Acq On : 28 Jun 2022 08:10
 Operator : SY/MD
 Sample : N3334-23
 Misc : 5.26g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-14A-1A-5-GR

Quant Time: Jun 28 08:32:46 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)

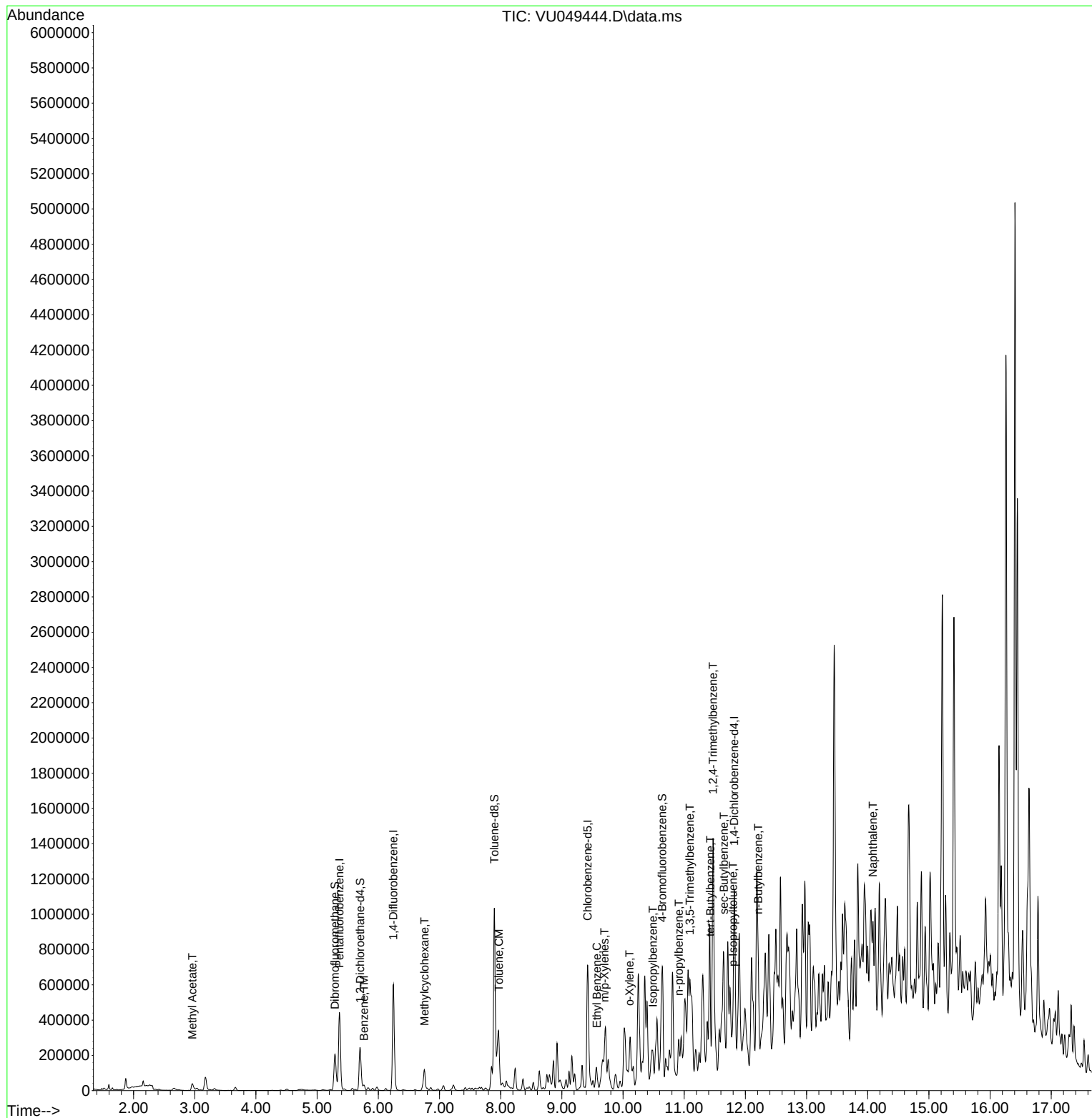
Internal Standards						
1) Pentafluorobenzene	5.366	168	319474	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	556217	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	495822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	212414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	210745	42.833	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.660%
35) Dibromofluoromethane	5.292	113	167159	42.956	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.920%
50) Toluene-d8	7.896	98	672663	48.464	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.920%
62) 4-Bromofluorobenzene	10.642	95	240267	45.190	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.380%
Target Compounds						
						Qvalue
18) Methyl Acetate	2.961	43	69764	10.387	ug/l	90
39) Methylcyclohexane	6.755	83	51016	7.543	ug/l	93
40) Benzene	5.768	78	28287	1.660	ug/l	98
52) Toluene	7.970	92	15168	1.498	ug/l	99
67) Ethyl Benzene	9.574	91	36475	1.960	ug/l	96
68) m/p-Xylenes	9.697	106	39748	5.773	ug/l	91
69) o-Xylene	10.105	106	29952	4.382	ug/l	85
73) Isopropylbenzene	10.488	105	99808	6.596	ug/l	98
78) n-propylbenzene	10.912	91	181882	9.892	ug/l	95
80) 1,3,5-Trimethylbenzene	11.092	105	247321	18.722	ug/l	95
83) tert-Butylbenzene	11.427	119	14641	1.127	ug/l	84
84) 1,2,4-Trimethylbenzene	11.472	105	652159	50.253	ug/l	95
85) sec-Butylbenzene	11.648	105	153438	9.393	ug/l	94
86) p-Isopropyltoluene	11.796	119	82394	6.237	ug/l	98
89) n-Butylbenzene	12.211	91	171308	14.008	ug/l	# 53
95) Naphthalene	14.086	128	446852	27.673	ug/l	# 91

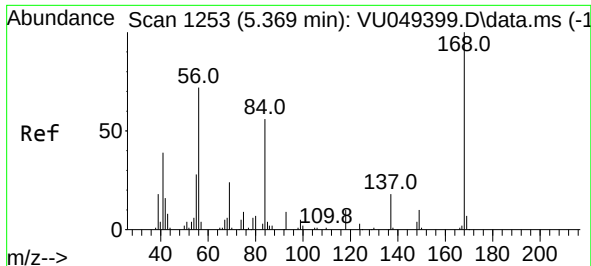
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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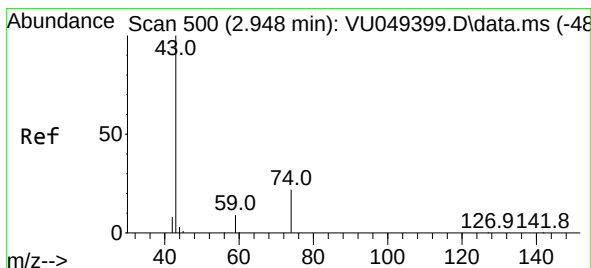
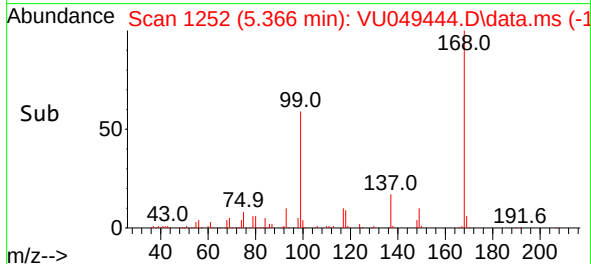
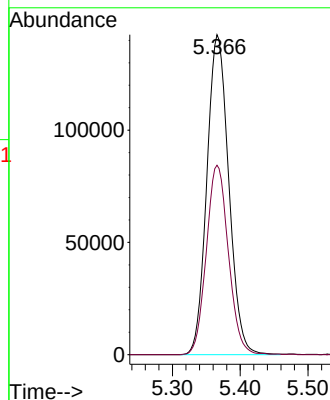
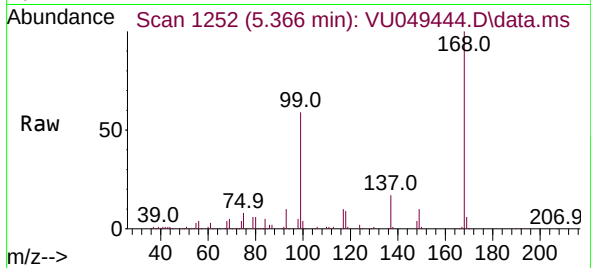




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

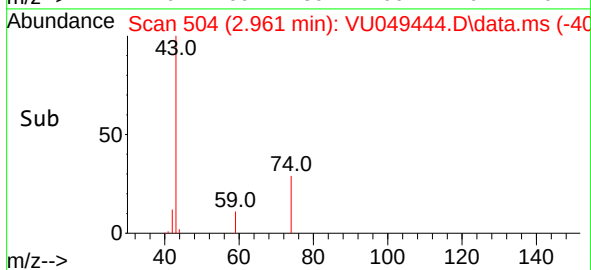
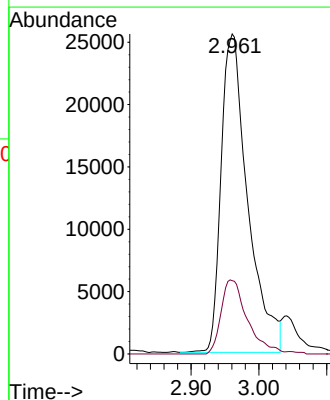
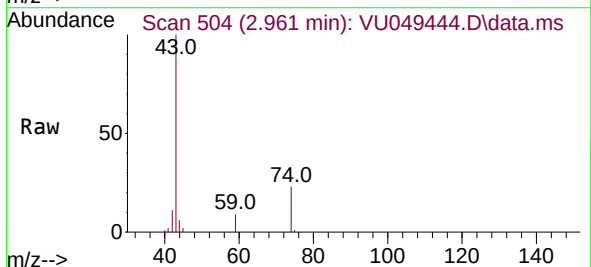
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-5-GR

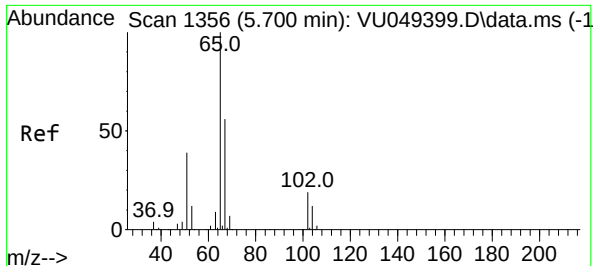
Tgt Ion:168 Resp: 319474
Ion Ratio Lower Upper
168 100
99 59.2 39.3 58.9#



#18
Methyl Acetate
Concen: 10.387 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion: 43 Resp: 69764
Ion Ratio Lower Upper
43 100
74 22.8 22.5 33.7





#33

1,2-Dichloroethane-d4

Concen: 42.833 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049444.D

Acq: 28 Jun 2022 08:10

Instrument :

MSVOA_U

ClientSampleId :

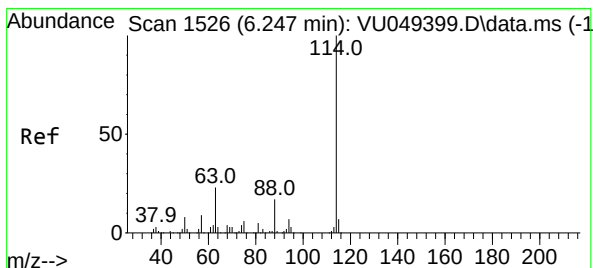
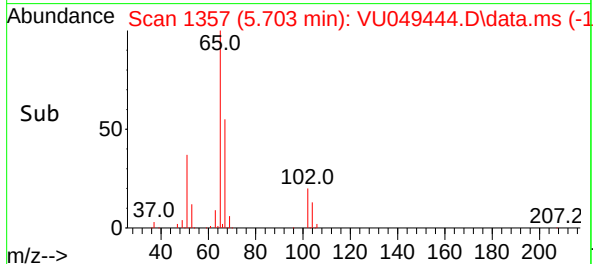
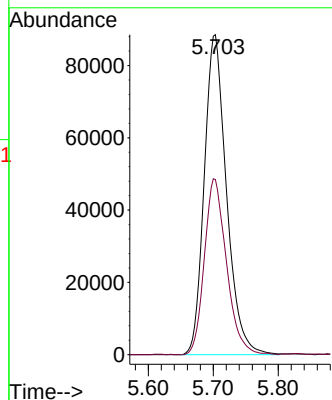
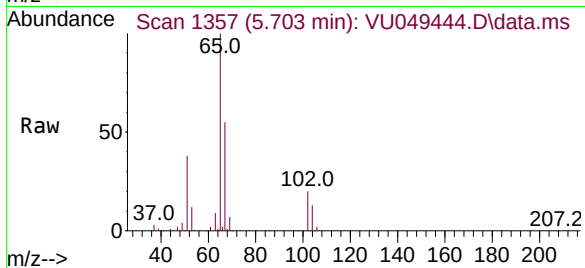
WC-14A-1A-5-GR

Tgt Ion: 65 Resp: 210745

Ion Ratio Lower Upper

65 100

67 54.7 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: VU049444.D

Acq: 28 Jun 2022 08:10

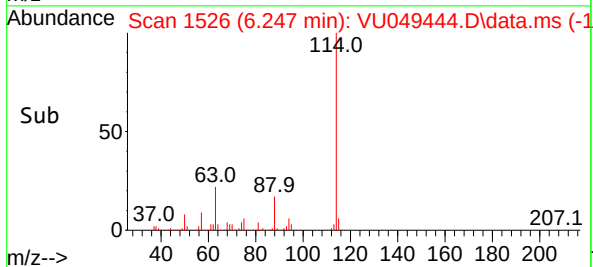
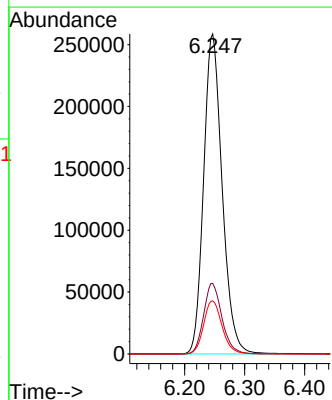
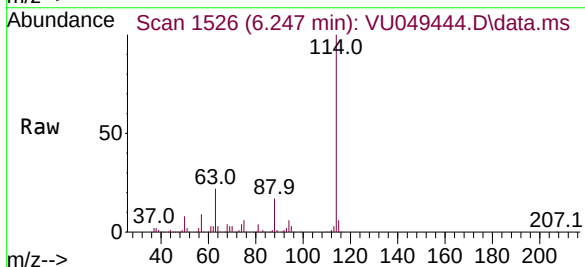
Tgt Ion: 114 Resp: 556217

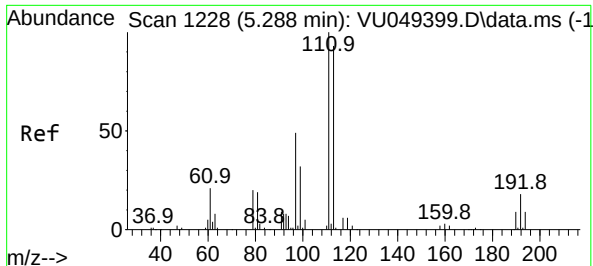
Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.6 0.0 29.2





#35

Dibromofluoromethane

Concen: 42.956 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049444.D

Acq: 28 Jun 2022 08:10

Instrument :

MSVOA_U

ClientSampleId :

WC-14A-1A-5-GR

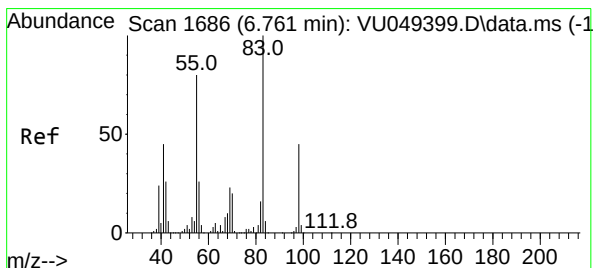
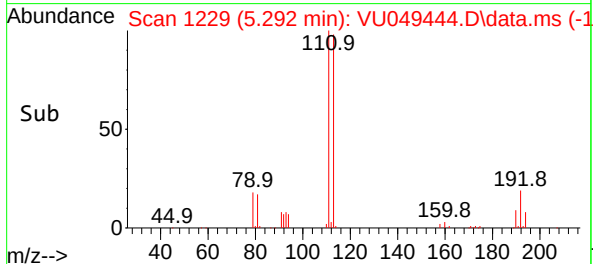
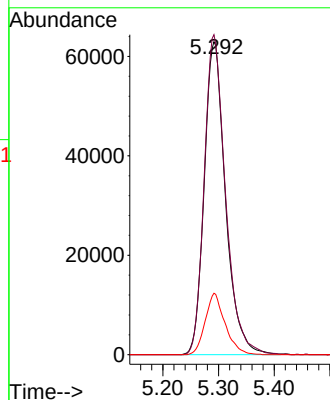
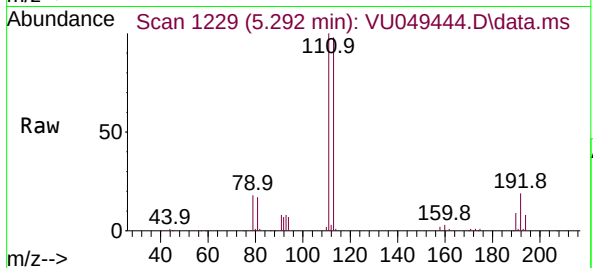
Tgt Ion:113 Resp: 167159

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 18.4 18.0 27.0



#39

Methylcyclohexane

Concen: 7.543 ug/l

RT: 6.755 min Scan# 1684

Delta R.T. -0.006 min

Lab File: VU049444.D

Acq: 28 Jun 2022 08:10

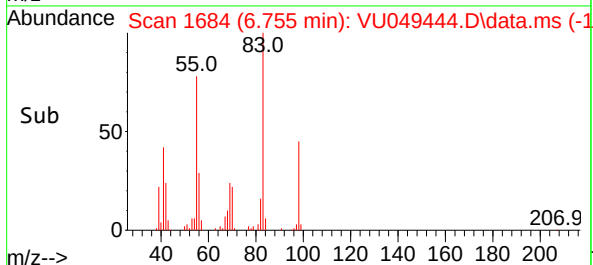
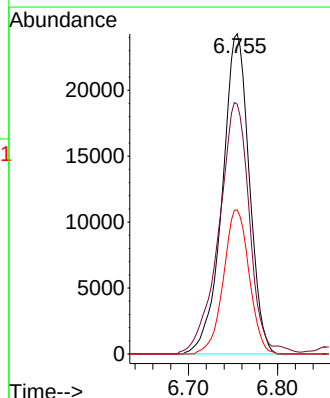
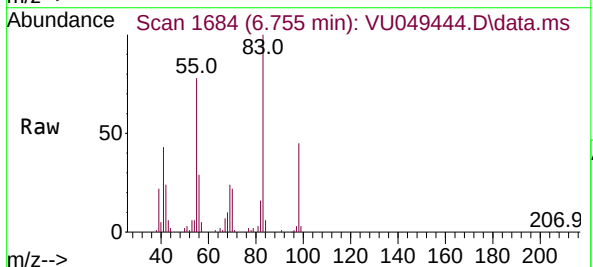
Tgt Ion: 83 Resp: 51016

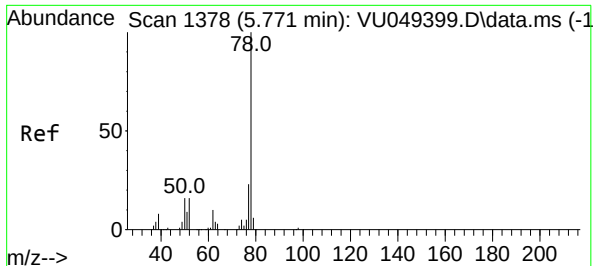
Ion Ratio Lower Upper

83 100

55 77.4 55.3 82.9

98 45.0 37.3 55.9

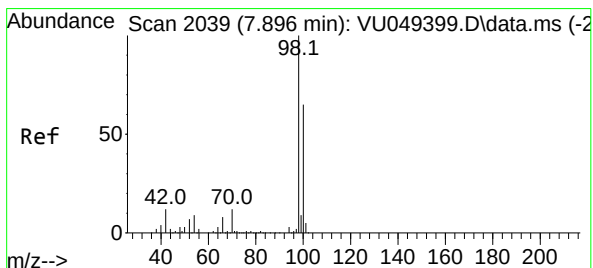
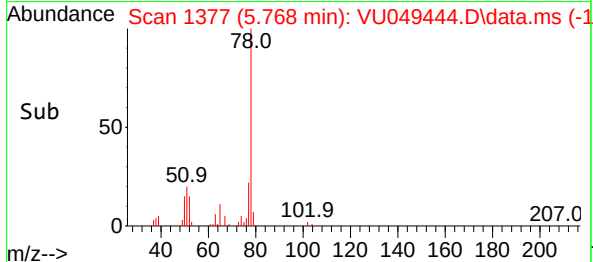
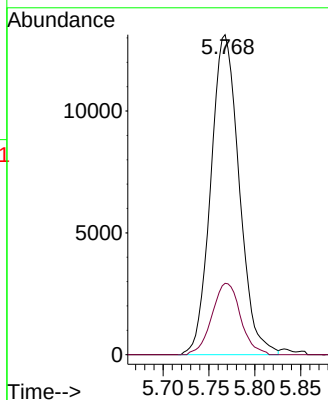
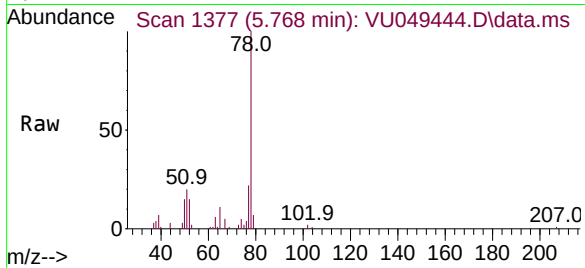




#40
Benzene
Concen: 1.660 ug/l
RT: 5.768 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

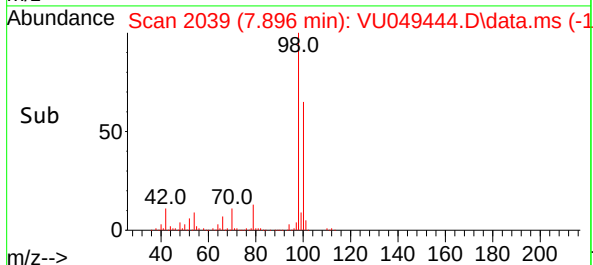
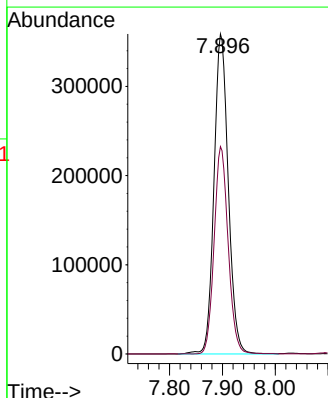
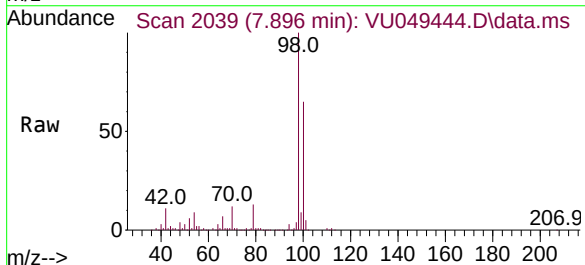
Instrument :
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ClientSampleId :
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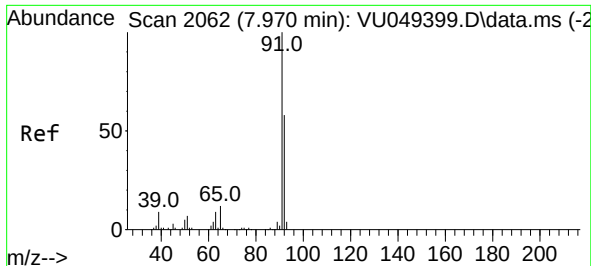
Tgt Ion: 78 Resp: 28287
Ion Ratio Lower Upper
78 100
77 22.3 18.8 28.2



#50
Toluene-d8
Concen: 48.464 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion: 98 Resp: 672663
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

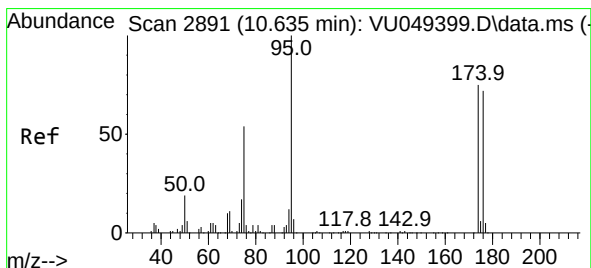
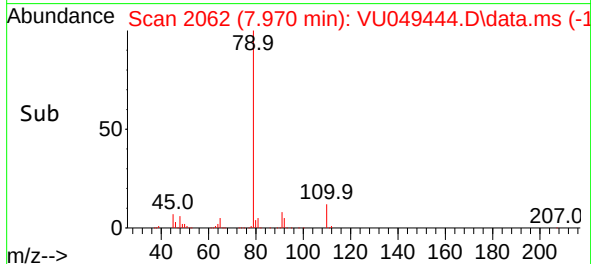
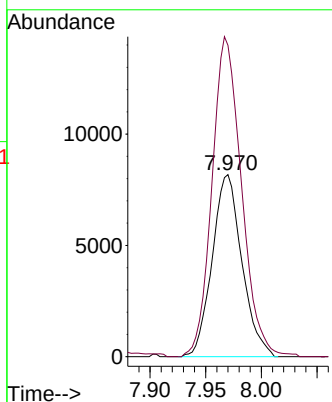
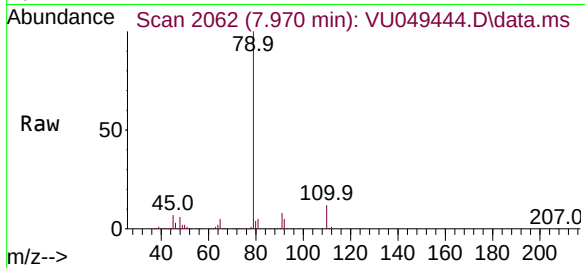




#52
Toluene
Concen: 1.498 ug/l
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

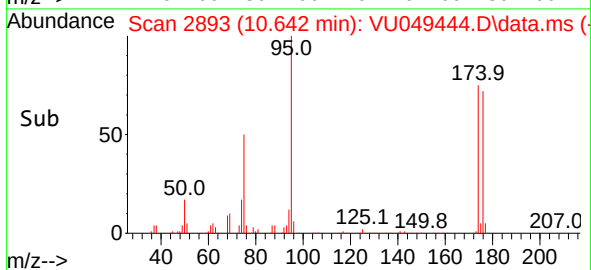
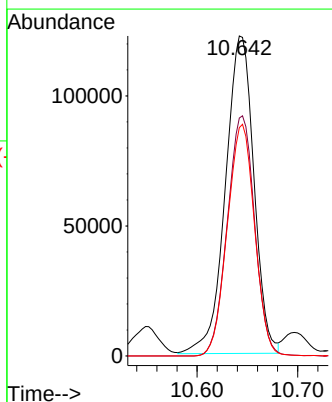
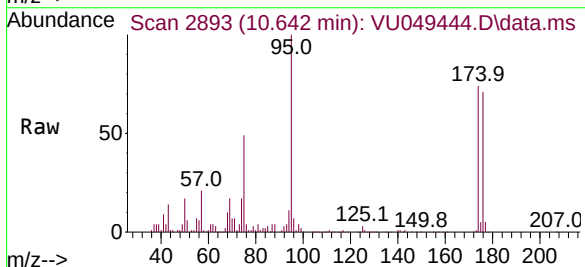
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-5-GR

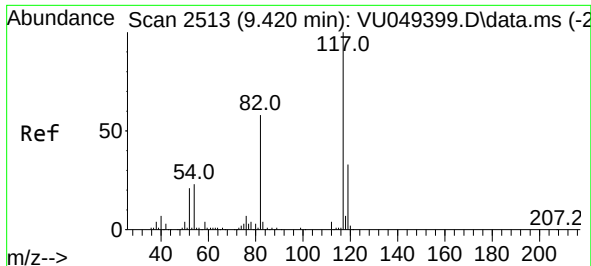
Tgt Ion: 92 Resp: 15168
Ion Ratio Lower Upper
92 100
91 174.7 138.2 207.4



#62
4-Bromofluorobenzene
Concen: 45.190 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.007 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion: 95 Resp: 240267
Ion Ratio Lower Upper
95 100
174 72.6 0.0 182.0
176 70.0 0.0 177.8

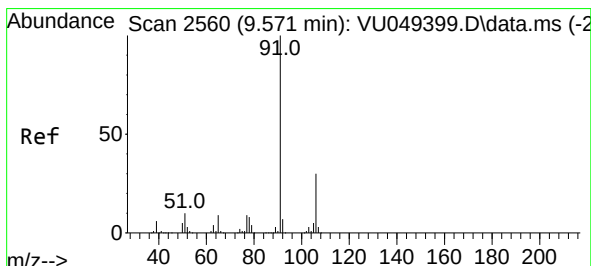
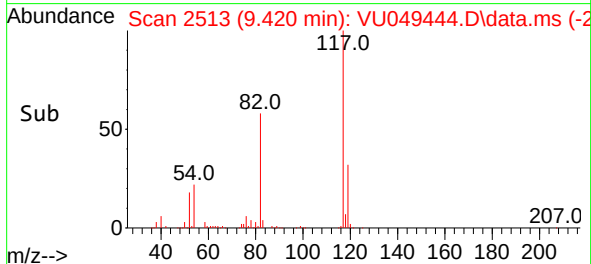
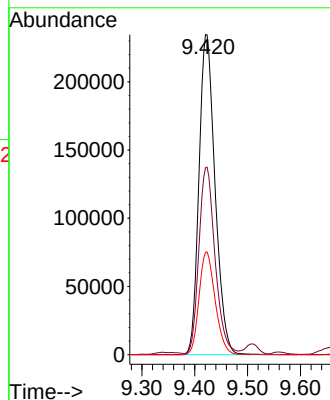
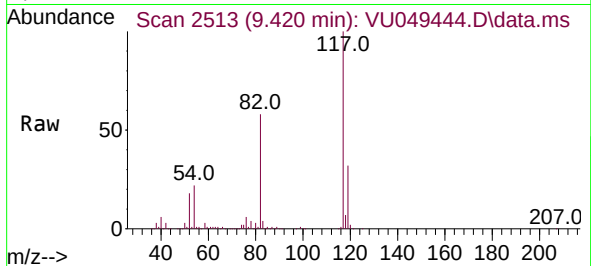




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

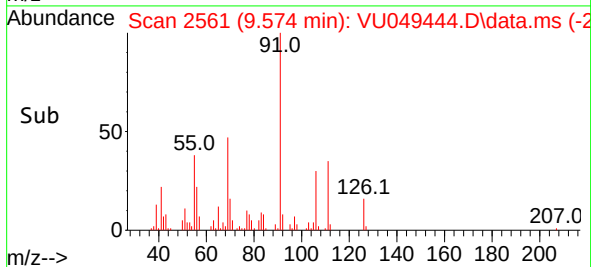
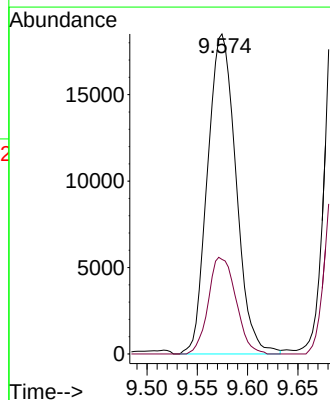
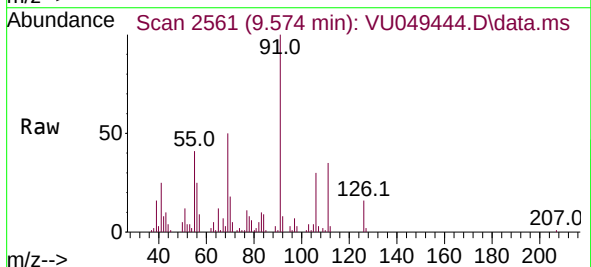
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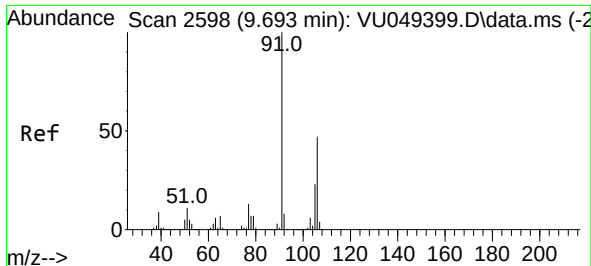
Tgt Ion:117 Resp: 495822
Ion Ratio Lower Upper
117 100
82 57.9 41.7 62.5
119 32.0 25.7 38.5



#67
Ethyl Benzene
Concen: 1.960 ug/l
RT: 9.574 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion: 91 Resp: 36475
Ion Ratio Lower Upper
91 100
106 29.6 25.6 38.4

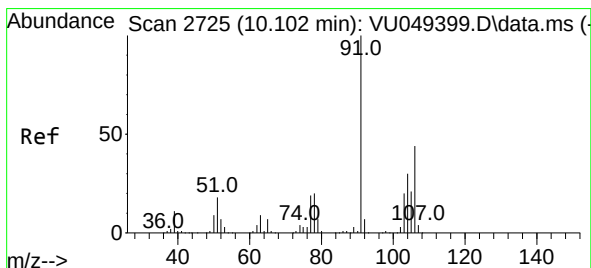
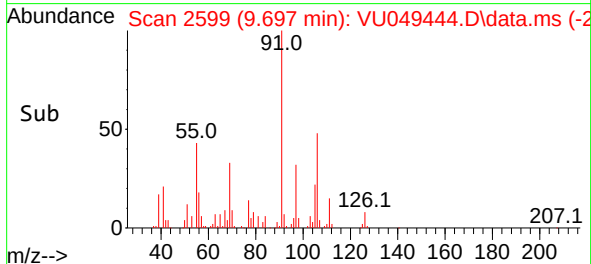
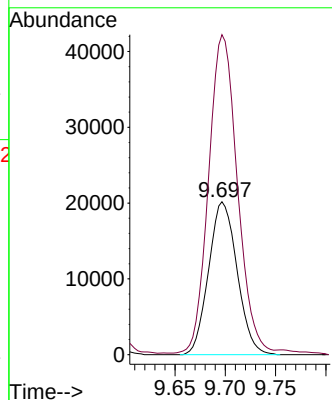
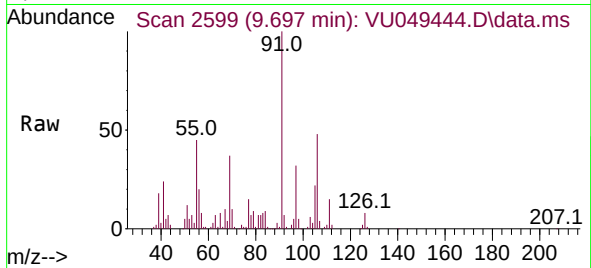




#68
m/p-Xylenes
Concen: 5.773 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

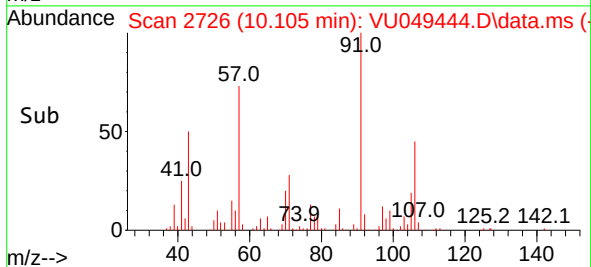
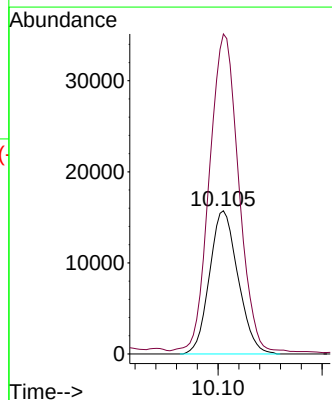
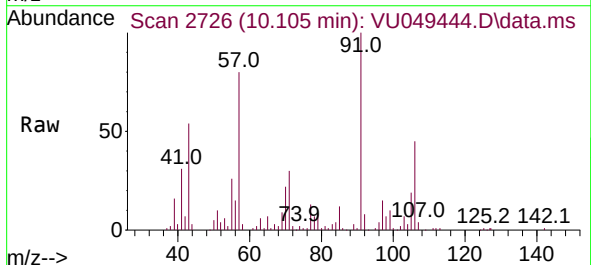
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-5-GR

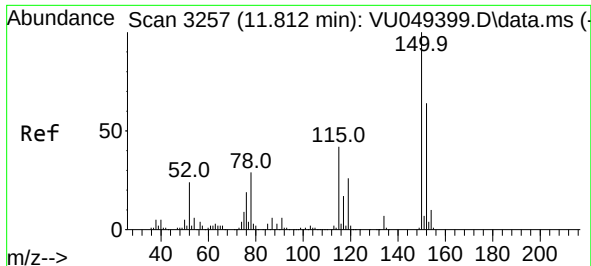
Tgt Ion:106 Resp: 39748
Ion Ratio Lower Upper
106 100
91 209.7 157.2 235.8



#69
o-Xylene
Concen: 4.382 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion:106 Resp: 29952
Ion Ratio Lower Upper
106 100
91 229.5 103.5 310.5

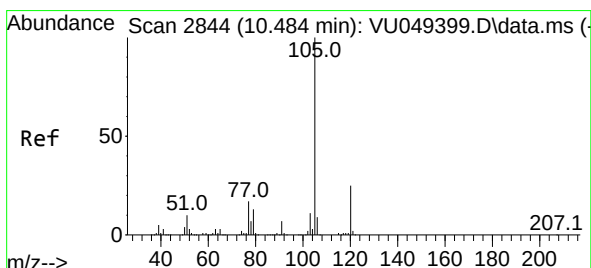
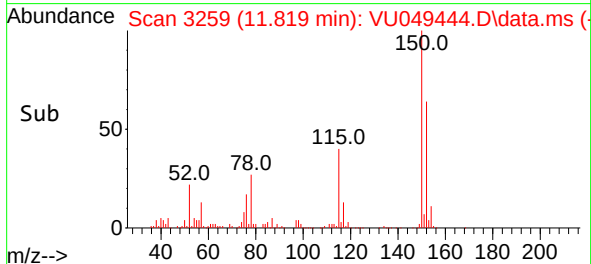
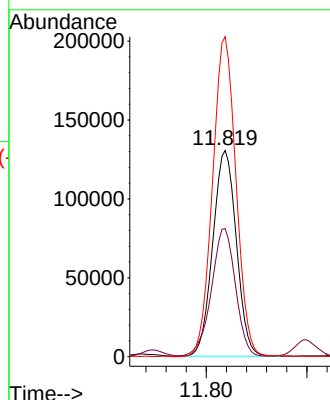
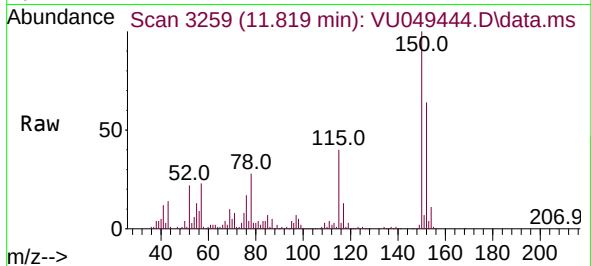




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

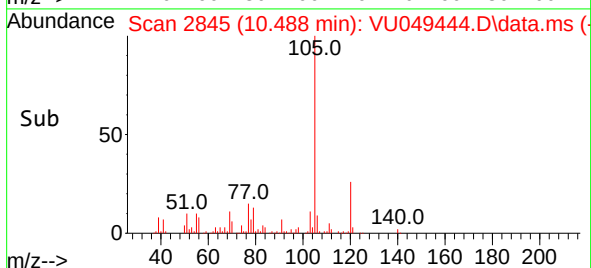
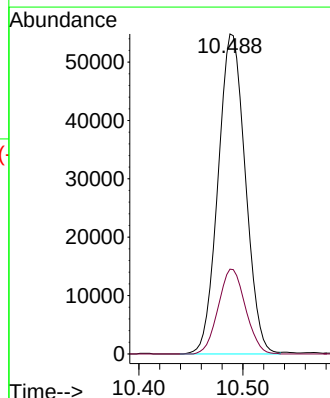
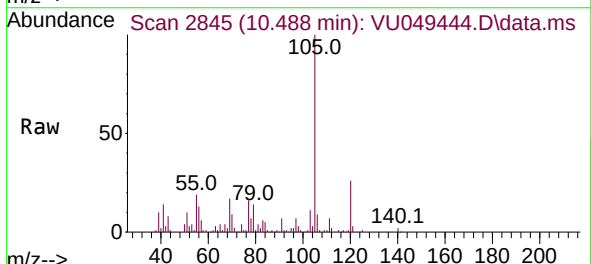
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-5-GR

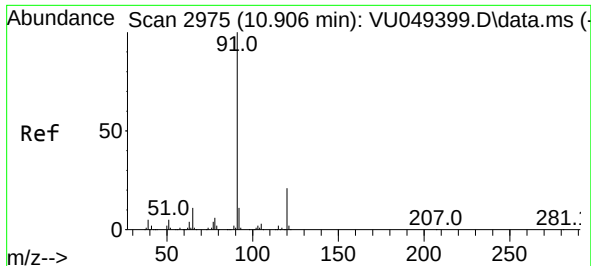
Tgt Ion:152 Resp: 212414
Ion Ratio Lower Upper
152 100
115 63.7 37.0 110.9
150 155.1 0.0 342.2



#73
Isopropylbenzene
Concen: 6.596 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion:105 Resp: 99808
Ion Ratio Lower Upper
105 100
120 26.4 13.8 41.4

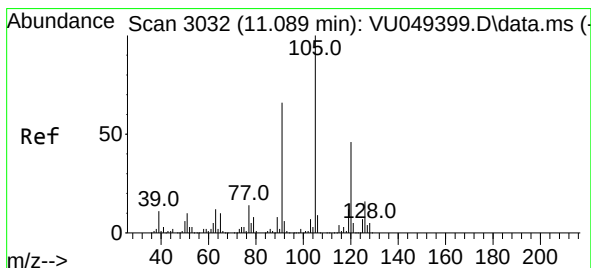
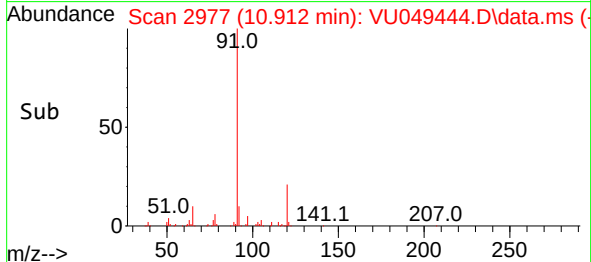
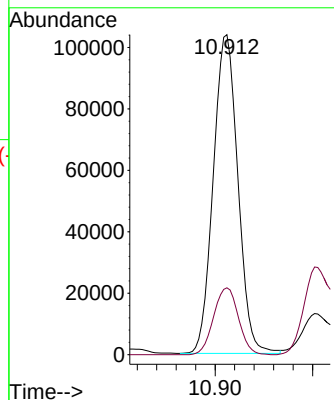
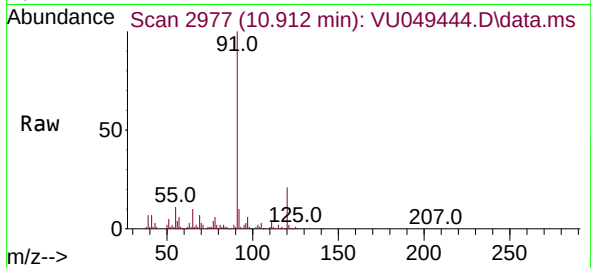




#78
n-propylbenzene
Concen: 9.892 ug/l
RT: 10.912 min Scan# 2977
Delta R.T. 0.007 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

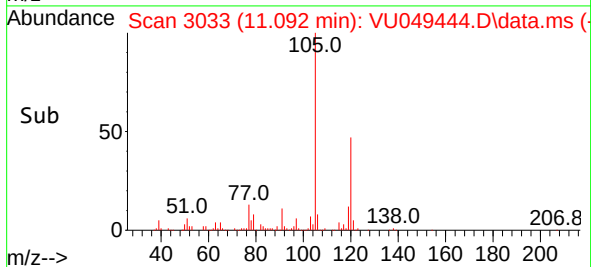
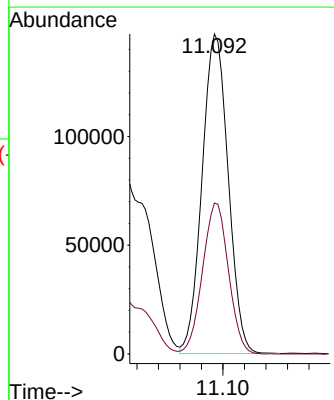
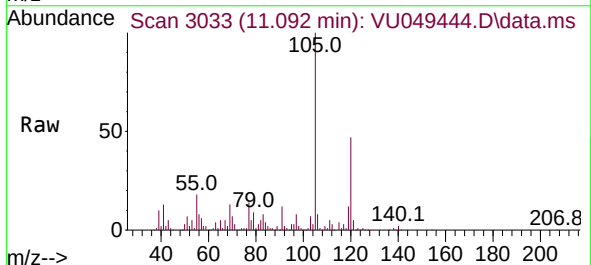
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-5-GR

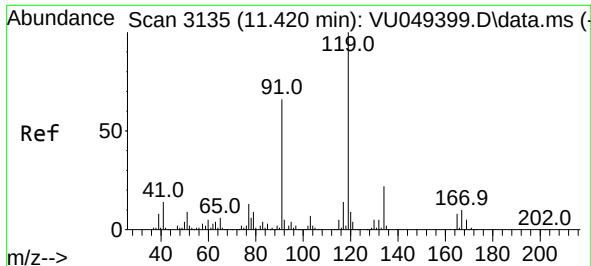
Tgt Ion: 91 Resp: 181882
Ion Ratio Lower Upper
91 100
120 21.2 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 18.722 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion: 105 Resp: 247321
Ion Ratio Lower Upper
105 100
120 47.0 25.3 75.9

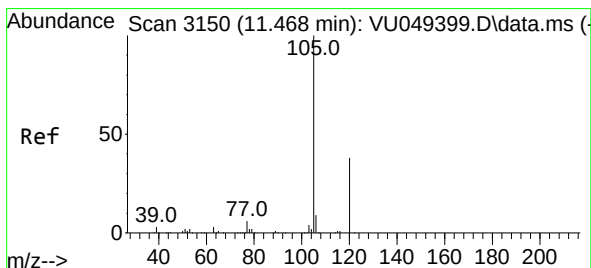
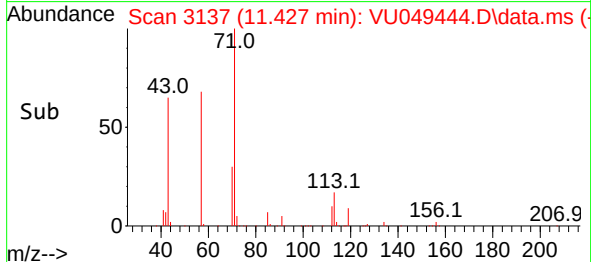
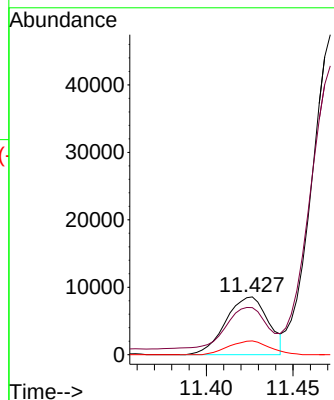
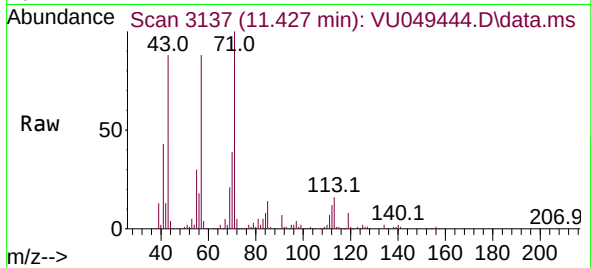




#83
tert-Butylbenzene
Concen: 1.127 ug/l
RT: 11.427 min Scan# 3135
Delta R.T. 0.007 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

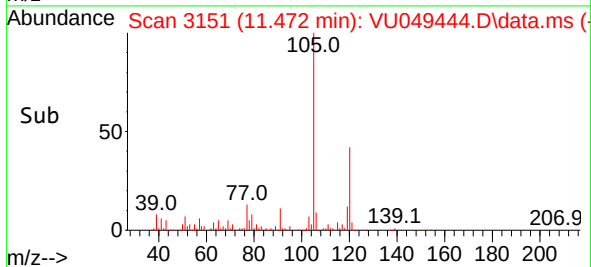
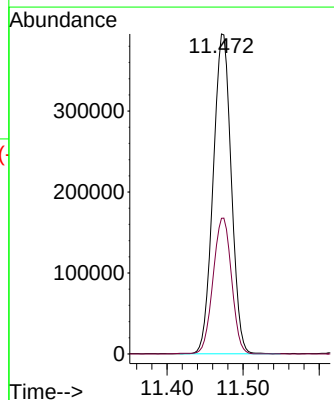
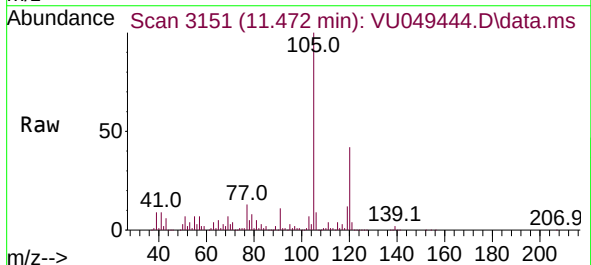
Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-5-GR

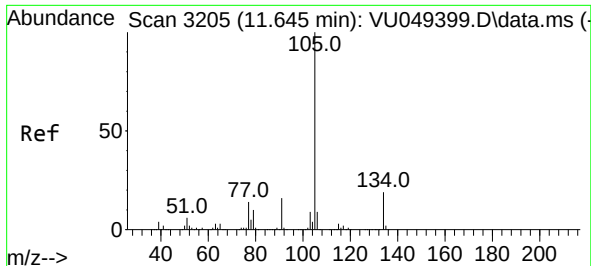
Tgt Ion:119 Resp: 14641
Ion Ratio Lower Upper
119 100
91 70.1 26.8 80.3
134 22.8 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 50.253 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion:105 Resp: 652159
Ion Ratio Lower Upper
105 100
120 43.3 23.4 70.3

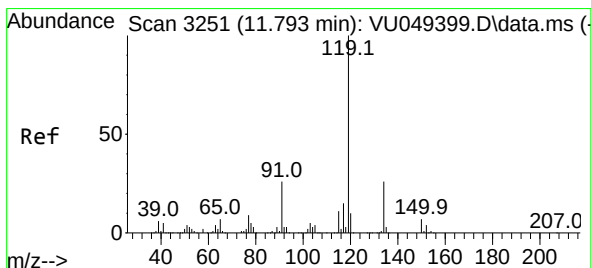
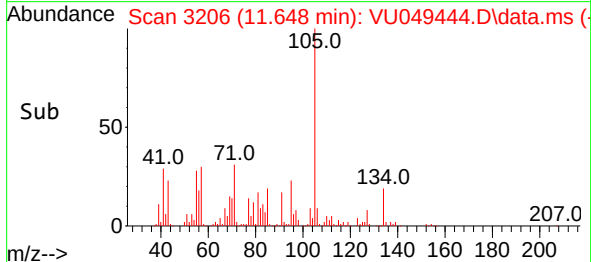
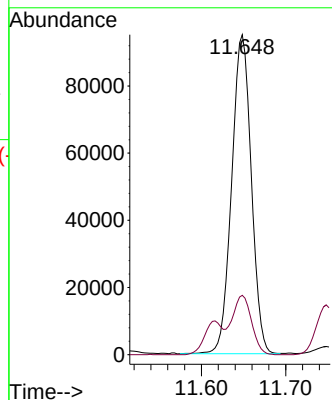
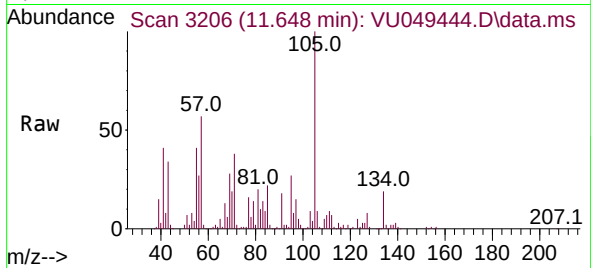




#85
 sec-Butylbenzene
 Concen: 9.393 ug/l
 RT: 11.648 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU049444.D
 Acq: 28 Jun 2022 08:10

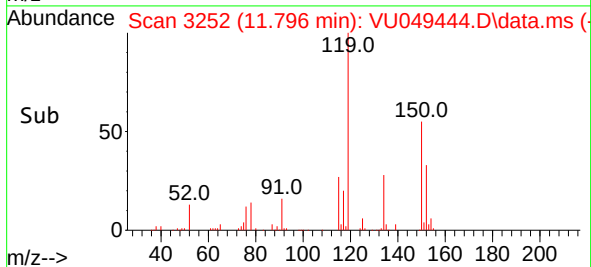
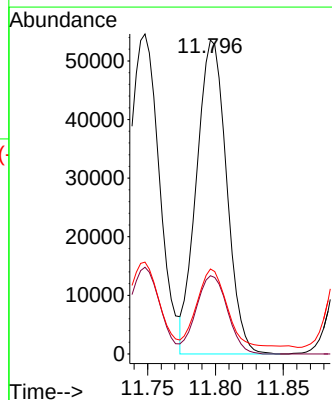
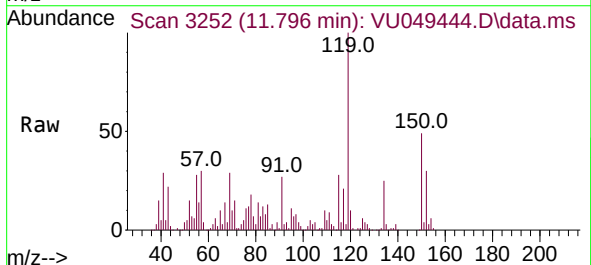
Instrument :
 MSVOA_U
 ClientSampleId :
 WC-14A-1A-5-GR

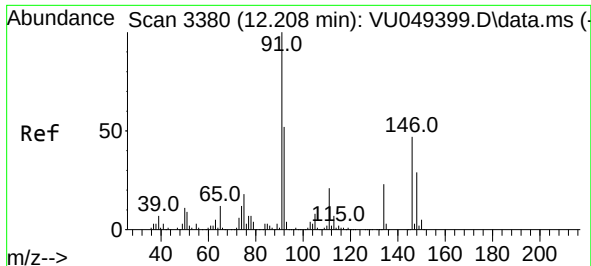
Tgt Ion:105 Resp: 153438
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 6.237 ug/l
 RT: 11.796 min Scan# 3252
 Delta R.T. 0.003 min
 Lab File: VU049444.D
 Acq: 28 Jun 2022 08:10

Tgt Ion:119 Resp: 82394
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.5 40.4
 91 23.8 11.2 33.5

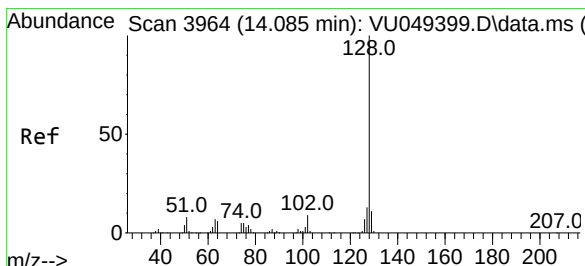
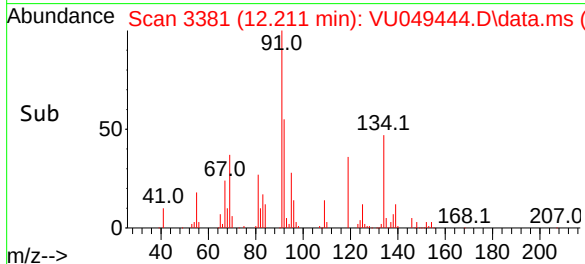
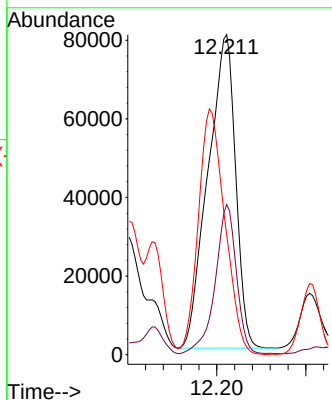
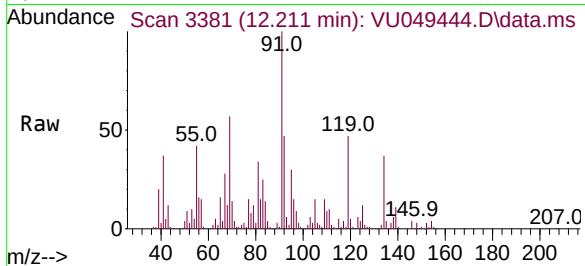




#89
n-Butylbenzene
Concen: 14.008 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Instrument :
MSVOA_U
ClientSampleId :
WC-14A-1A-5-GR

Tgt Ion: 91 Resp: 171308
Ion Ratio Lower Upper
91 100
92 36.4 26.2 78.6
134 75.6 13.5 40.4#



#95
Naphthalene
Concen: 27.673 ug/l
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049444.D
Acq: 28 Jun 2022 08:10

Tgt Ion:128 Resp: 446852
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 16.2 8.6 13.0#

