

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061022\
 Data File : U061022.D
 Acq On : 11 Jun 2022 09:30
 Operator : SY/MD
 Sample : N3249-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ2

Quant Time: Jun 11 10:46:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		6.246	114	235676	50.000	ug/L	0.00
28) Chlorobenzene-d5		9.417	117	227039	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.812	152	113712	50.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.597	65	73701	50.763	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 101.520%		
7) Chloroethane-d5		1.903	69	54725	51.336	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 102.680%		
11) 1,1-Dichloroethene-d2		2.565	63	117934	43.048	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 86.100%		
21) 2-Butanone-d5		4.620	46	163006	102.402	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 102.400%		
24) Chloroform-d		5.063	84	160507	51.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.640%		
26) 1,2-Dichloroethane-d4		5.700	65	110569	55.103	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.200%		
32) Benzene-d6		5.726	84	300801	53.430	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.860%		
36) 1,2-Dichloropropane-d6		6.690	67	105273	55.624	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 111.240%		
41) Toluene-d8		7.896	98	268496	54.077	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 108.160%		
43) trans-1,3-Dichloroprop...		8.179	79	39893	44.805	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 89.600%		
47) 2-Hexanone-d5		8.632	63	93276	94.167	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 94.170%		
56) 1,1,2,2-Tetrachloroeth...		10.754	84	166721	52.742	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 105.480%		
66) 1,2-Dichlorobenzene-d4		12.192	152	113206	57.217	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 114.440%		
Target Compounds							
						Qvalue	
5) Vinyl chloride		1.604	62	99078	47.676	ug/L	97
8) Chloroethane		1.925	64	179302	154.476	ug/L	96
9) Trichlorofluoromethane		2.137	101	2700	0.923	ug/L	96
12) 1,1-Dichloroethene		2.578	96	30742	21.153	ug/L #	61
13) Acetone		2.626	43	4751	3.793	ug/L	86
17) trans-1,2-Dichloroethene		3.353	96	15670	9.806	ug/L	92
19) 1,1-Dichloroethane		3.867	63	1253840	364.217	ug/L	100
20) cis-1,2-Dichloroethene		4.665	96	2077791	1068.758	ug/L	100
27) 1,2-Dichloroethane		5.796	62	11454	3.922	ug/L	99
30) 1,1,1-Trichloroethane		5.317	97	1551024	489.863	ug/L	99
33) Benzene		5.774	78	8322	1.131	ug/L	100
34) Trichloroethene		6.542	95	17109	9.228	ug/L	97
35) Methylcyclohexane		6.764	83	3306	1.277	ug/L	96
40) 4-Methyl-2-pentanone		7.790	43	6764	1.936	ug/L	95
42) Toluene		7.970	91	49894	6.563	ug/L	100
45) 1,1,2-Trichloroethane		8.398	97	1605	0.799	ug/L	91
46) Tetrachloroethene		8.552	164	27204	18.925	ug/L	97
52) Ethylbenzene		9.571	91	18947	2.292	ug/L	97
53) m,p-Xylene		9.693	106	15327	4.722	ug/L	90

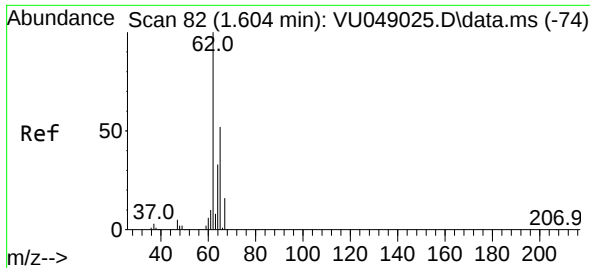
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049042.D
 Acq On : 11 Jun 2022 09:30
 Operator : SY/MD
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Quant Time: Jun 11 10:46:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.098	106	34666	10.600	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	68302	10.358	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	57117	10.879	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	3327	0.846	ug/L #	80

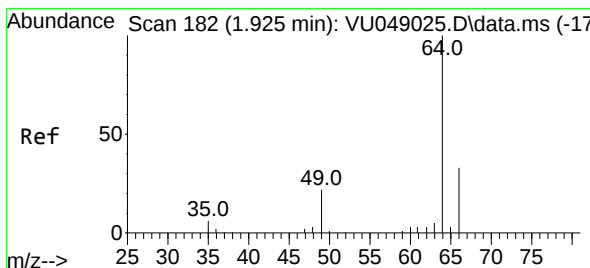
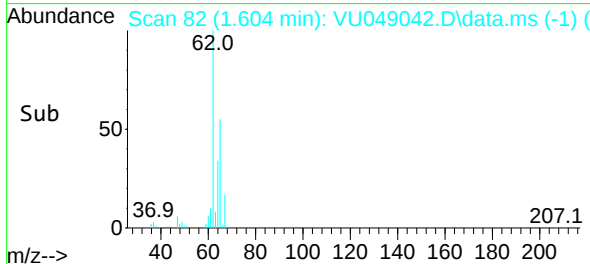
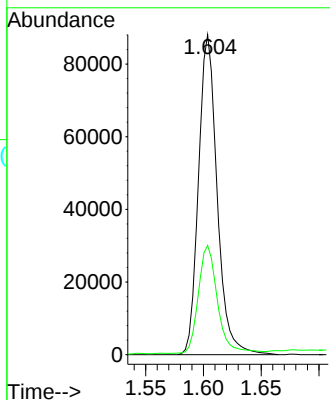
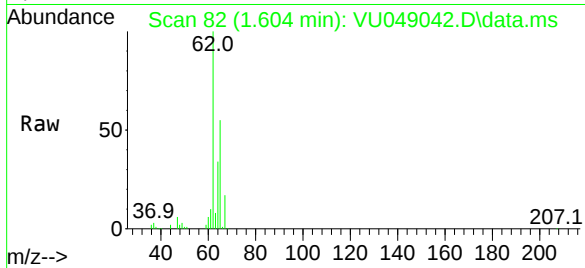
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 47.676 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

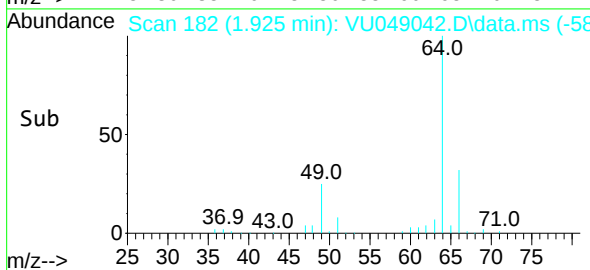
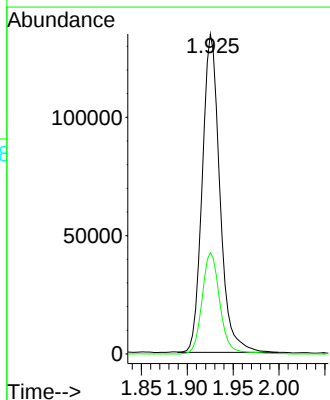
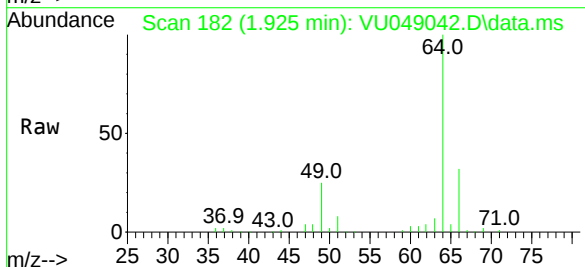
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ2

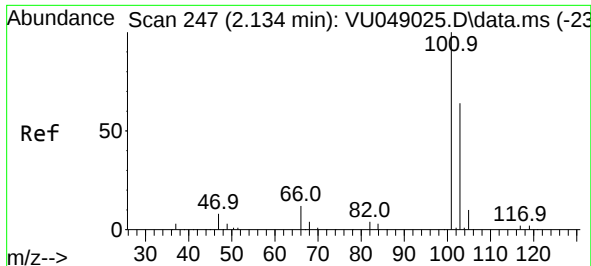
Tgt Ion: 62 Resp: 99078
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.7 42.3



#8
 Chloroethane
 Concen: 154.476 ug/L
 RT: 1.925 min Scan# 182
 Delta R.T. -0.000 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

Tgt Ion: 64 Resp: 179302
 Ion Ratio Lower Upper
 64 100
 66 31.7 23.7 43.9

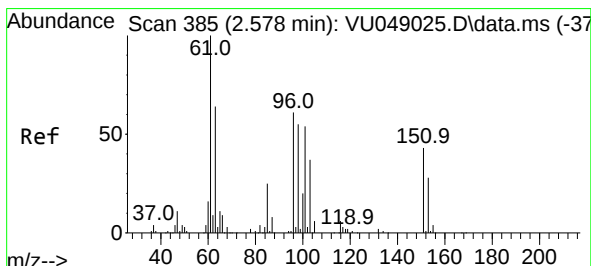
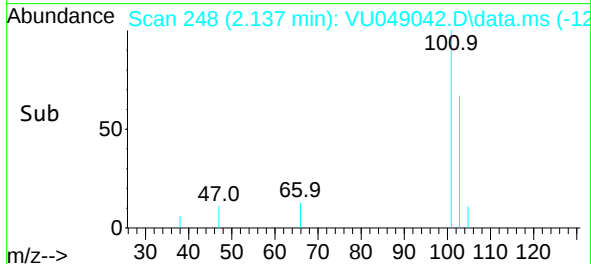
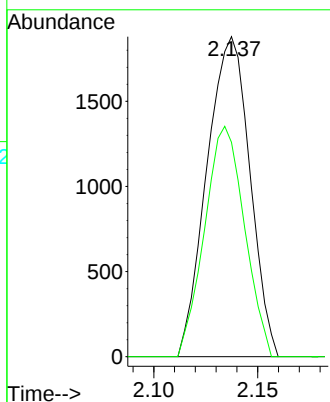
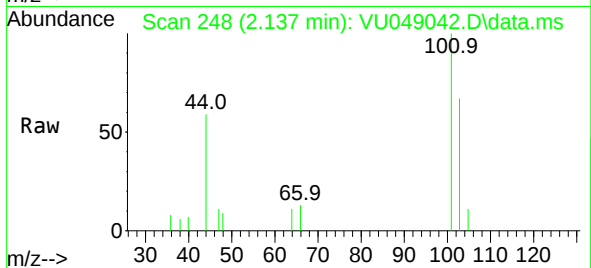




#9
 Trichlorofluoromethane
 Concen: 0.923 ug/L
 RT: 2.137 min Scan# 247
 Delta R.T. 0.003 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

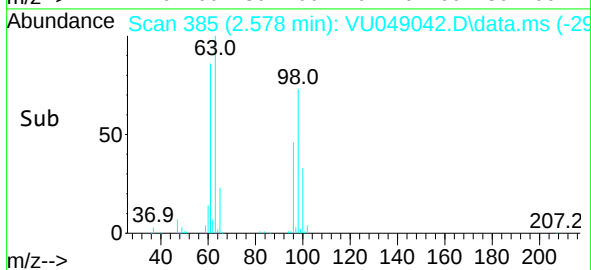
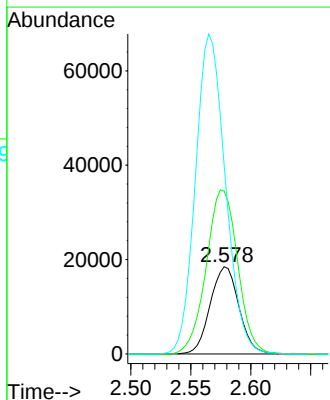
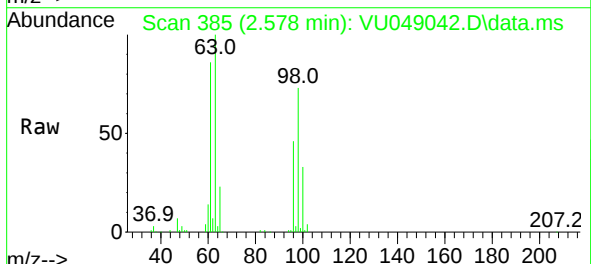
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ2

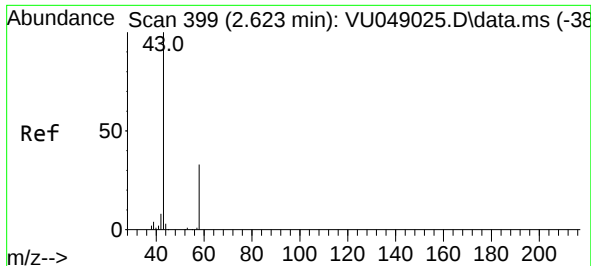
Tgt Ion:101 Resp: 2700
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.3 76.9



#12
 1,1-Dichloroethene
 Concen: 21.153 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

Tgt Ion: 96 Resp: 30742
 Ion Ratio Lower Upper
 96 100
 61 186.8 123.5 229.3
 63 216.7 86.0 159.8#





#13

Acetone

Concen: 3.793 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

Instrument :

MSVOA_U

ClientSampleId :

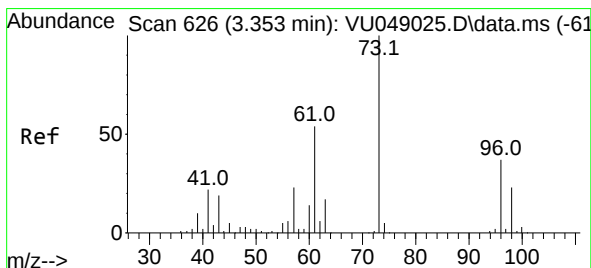
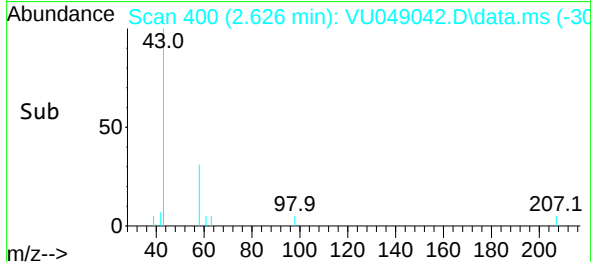
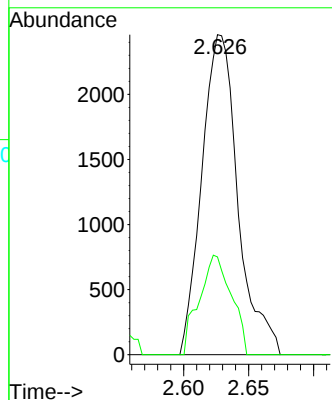
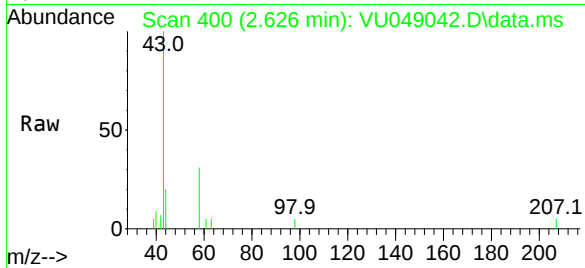
XYZZ

Tgt Ion: 43 Resp: 4751

Ion Ratio Lower Upper

43 100

58 25.1 0.0 66.4



#17

trans-1,2-Dichloroethene

Concen: 9.806 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

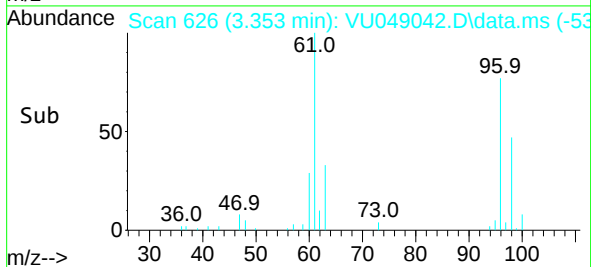
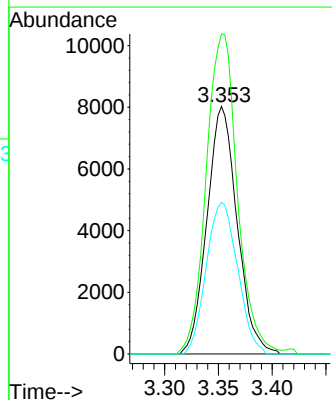
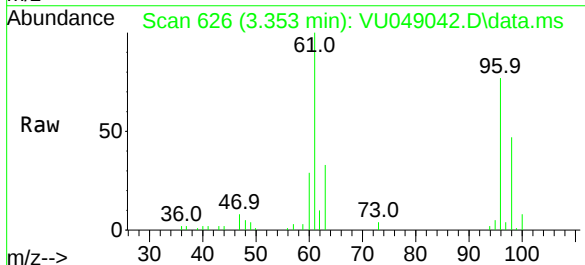
Tgt Ion: 96 Resp: 15670

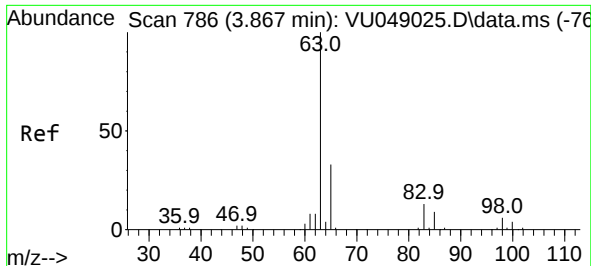
Ion Ratio Lower Upper

96 100

61 129.3 99.3 184.3

98 61.3 44.7 83.1





#19

1,1-Dichloroethane

Concen: 364.217 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

Instrument :

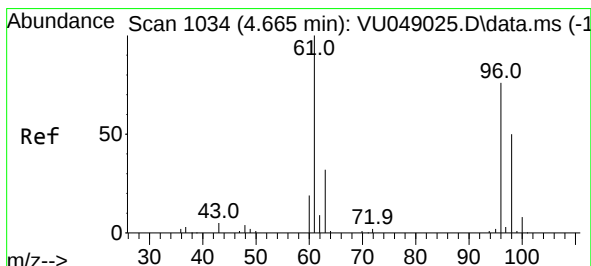
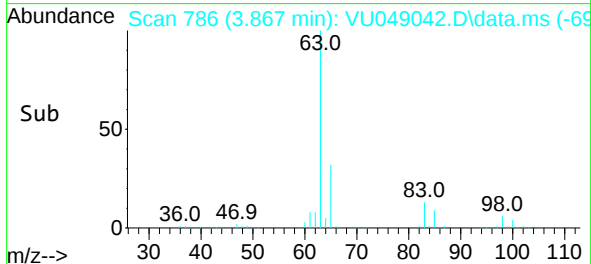
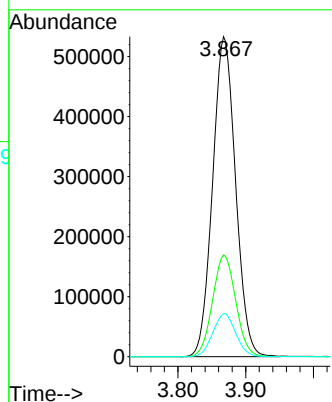
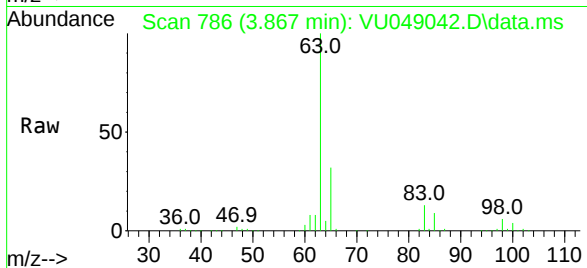
MSVOA_U

ClientSampleId :

EXYZ2

Tgt Ion: 63 Resp: 1253840

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.3	41.5
83	13.5	9.5	17.7



#20

cis-1,2-Dichloroethene

Concen: 1068.758 ug/L

RT: 4.665 min Scan# 1034

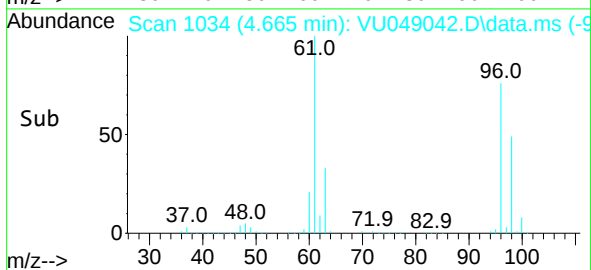
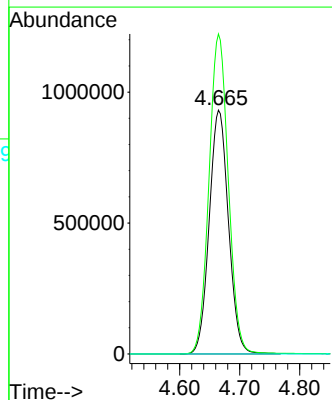
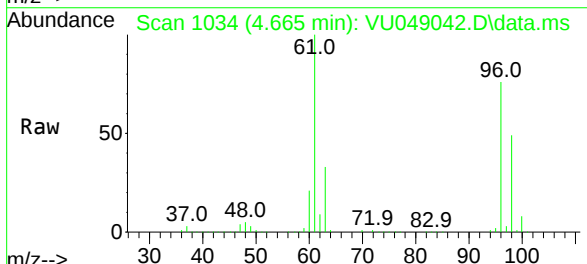
Delta R.T. -0.000 min

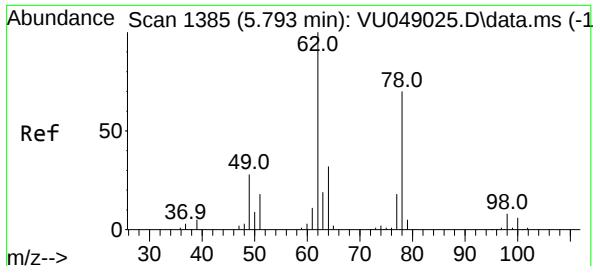
Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

Tgt Ion: 96 Resp: 2077791

Ion	Ratio	Lower	Upper
96	100		
61	131.2	91.6	170.2
68	0.0	0.0	0.0

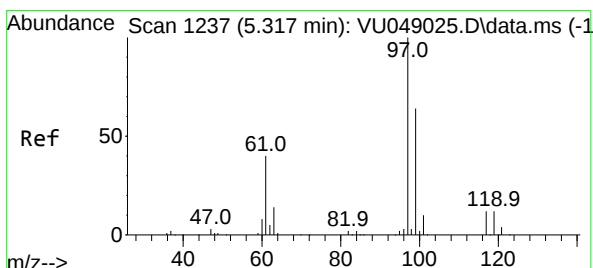
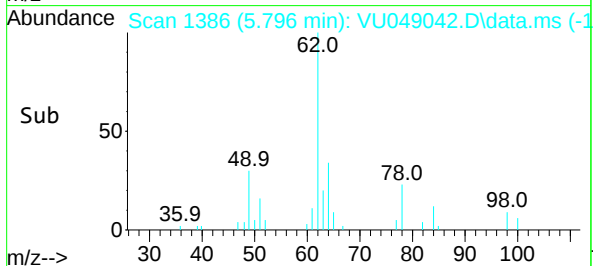
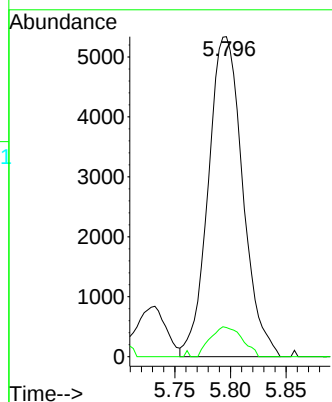
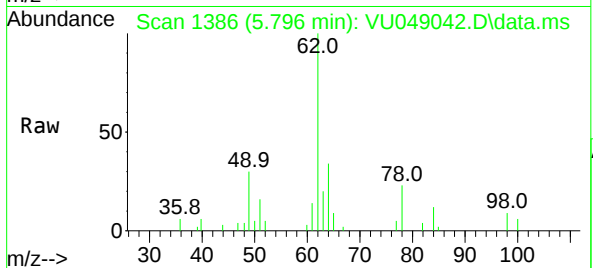




#27
 1,2-Dichloroethane
 Concen: 3.922 ug/L
 RT: 5.796 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

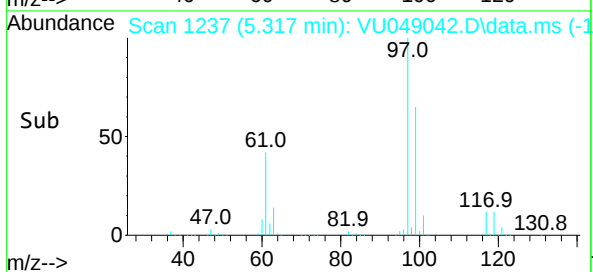
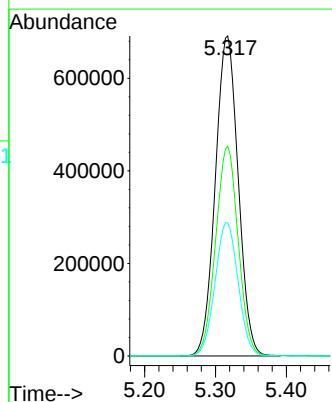
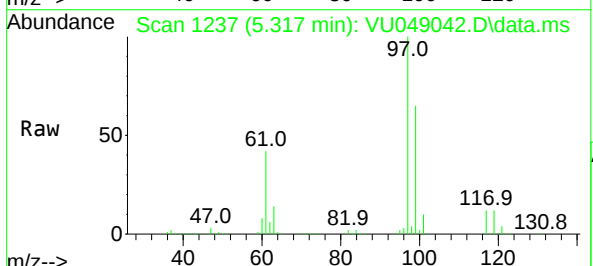
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ2

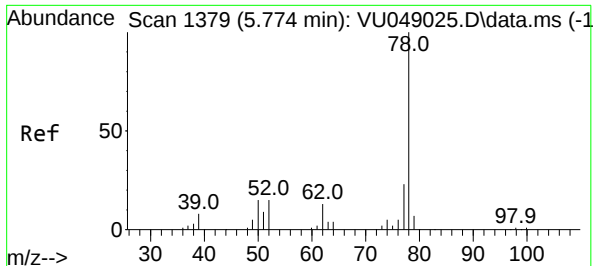
Tgt Ion: 62 Resp: 11454
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.0 10.4



#30
 1,1,1-Trichloroethane
 Concen: 489.863 ug/L
 RT: 5.317 min Scan# 1237
 Delta R.T. -0.000 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

Tgt Ion: 97 Resp: 1551024
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.9 76.3
 61 41.9 34.2 51.2

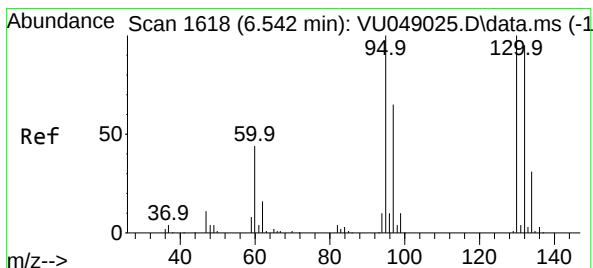
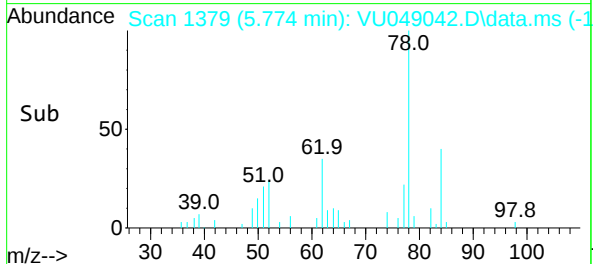
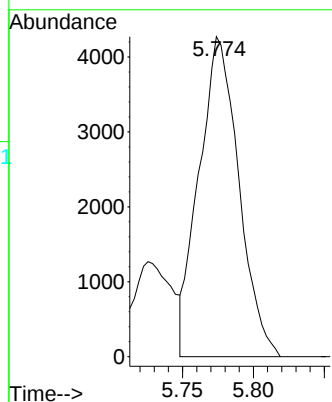
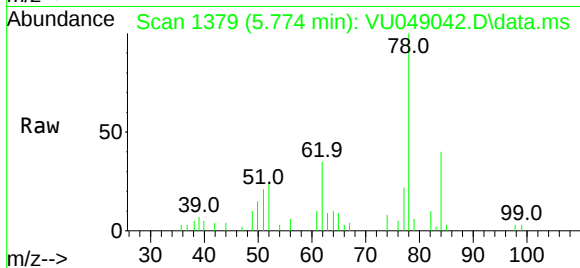




#33
Benzene
Concen: 1.131 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049042.D
Acq: 11 Jun 2022 09:30

Instrument : MSVOA_U
ClientSampleId : EXYZ2

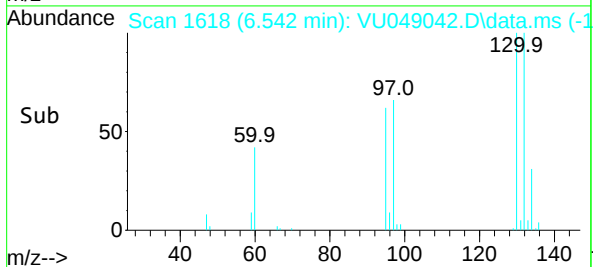
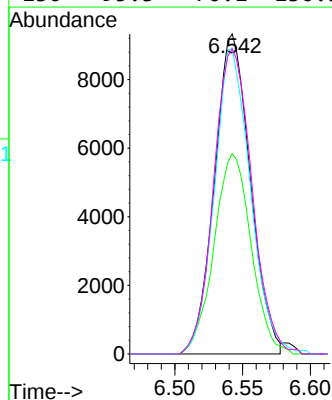
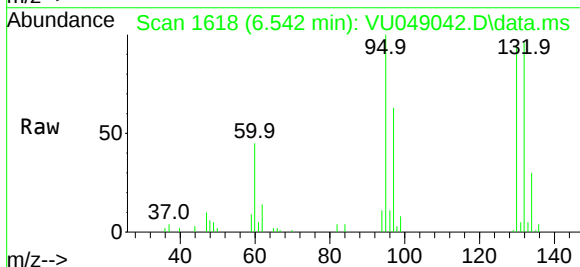
Tgt Ion: 78 Resp: 8322

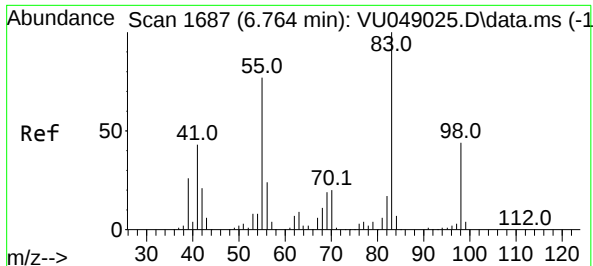


#34
Trichloroethene
Concen: 9.228 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU049042.D
Acq: 11 Jun 2022 09:30

Tgt Ion: 95 Resp: 17109

Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.4	84.4
132	95.5	67.6	125.6
130	95.3	70.1	130.3





#35

Methylcyclohexane

Concen: 1.277 ug/L

RT: 6.764 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

Instrument :

MSVOA_U

ClientSampleId :

XYZZ

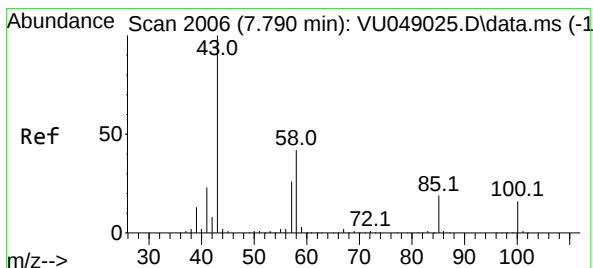
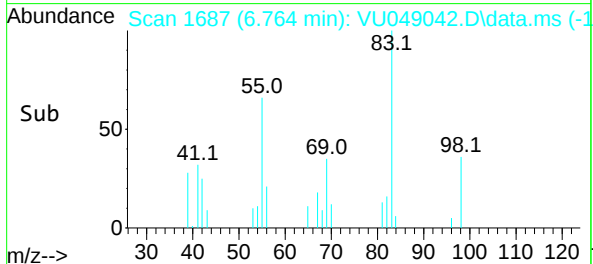
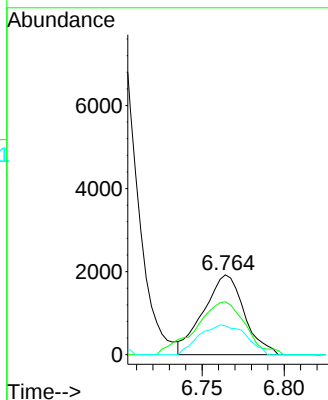
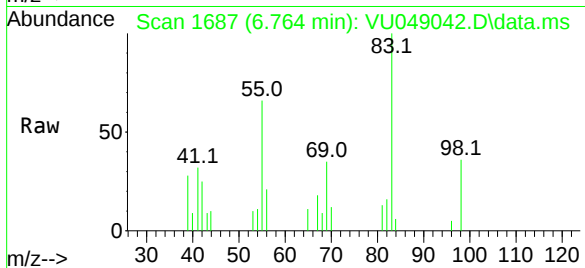
Tgt Ion: 83 Resp: 3306

Ion Ratio Lower Upper

83 100

55 79.2 61.0 91.6

98 42.7 36.8 55.2



#40

4-Methyl-2-pentanone

Concen: 1.936 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

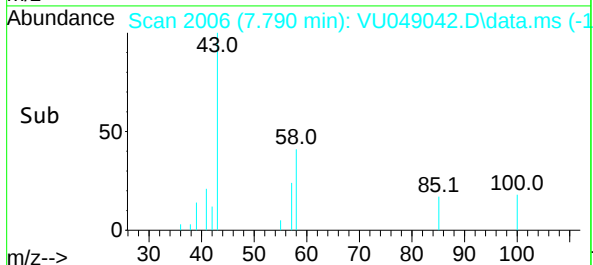
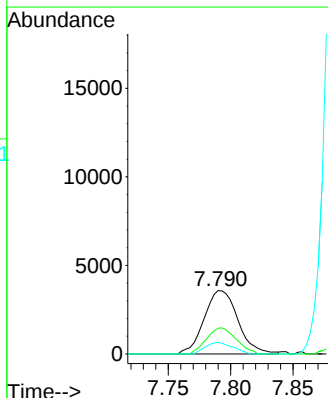
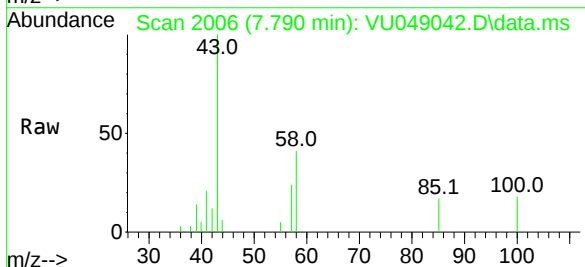
Tgt Ion: 43 Resp: 6764

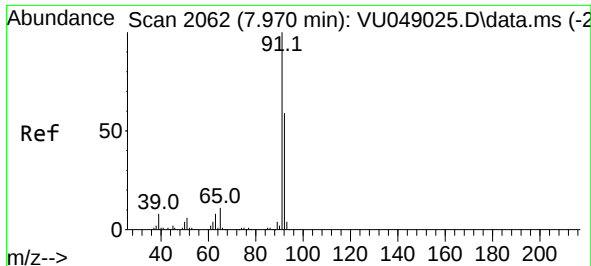
Ion Ratio Lower Upper

43 100

58 36.1 32.2 48.4

100 14.7 12.3 18.5





#42

Toluene

Concen: 6.563 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

Instrument :

MSVOA_U

ClientSampleId :

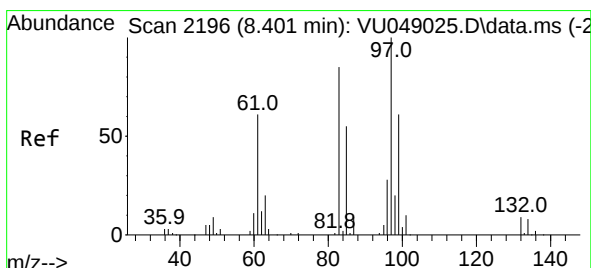
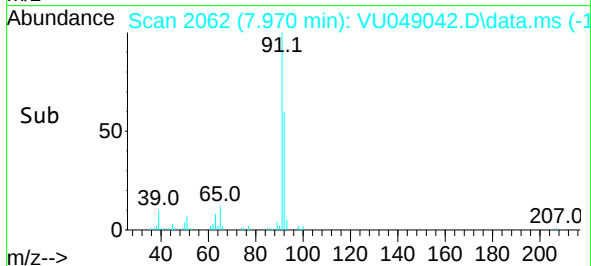
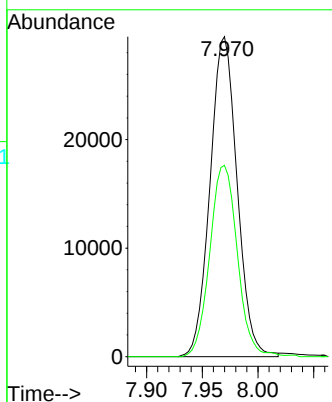
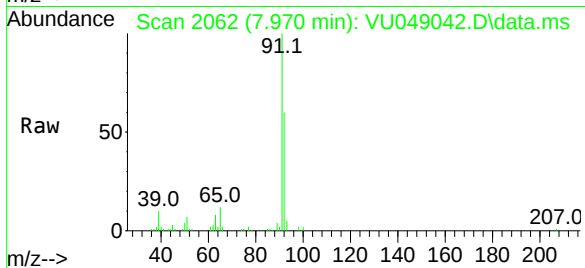
EXYZ2

Tgt Ion: 91 Resp: 49894

Ion Ratio Lower Upper

91 100

92 59.8 41.6 77.3



#45

1,1,2-Trichloroethane

Concen: 0.799 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU049042.D

Acq: 11 Jun 2022 09:30

Tgt Ion: 97 Resp: 1605

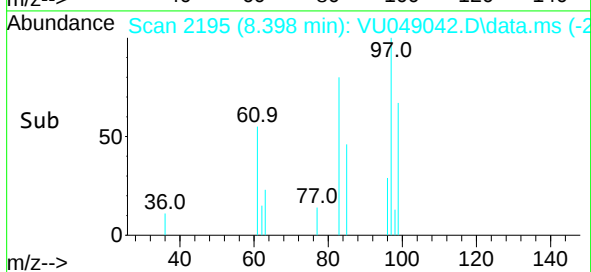
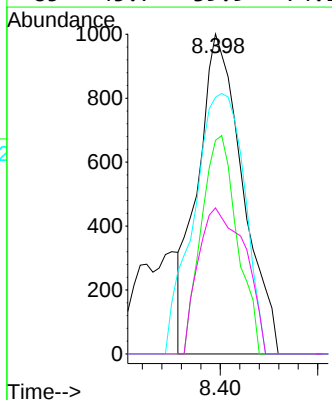
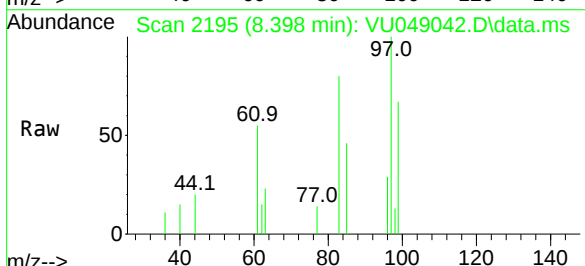
Ion Ratio Lower Upper

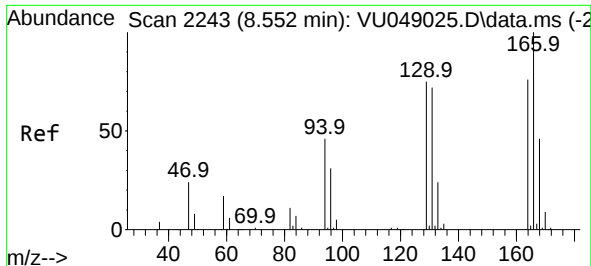
97 100

99 66.7 43.5 80.9

83 80.2 60.3 112.1

85 45.7 39.9 74.1

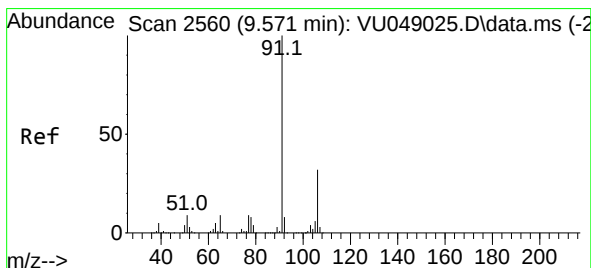
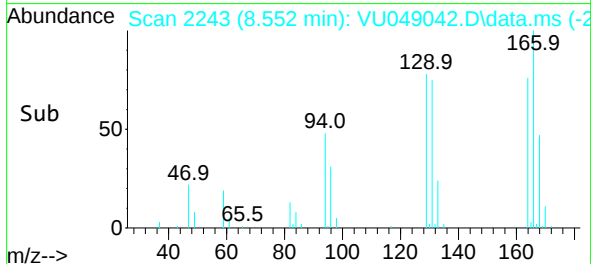
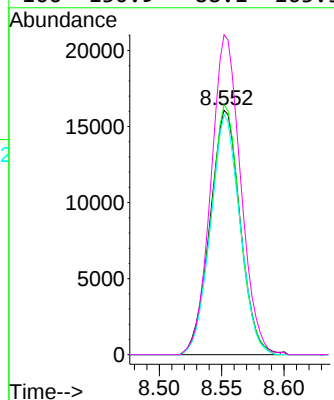
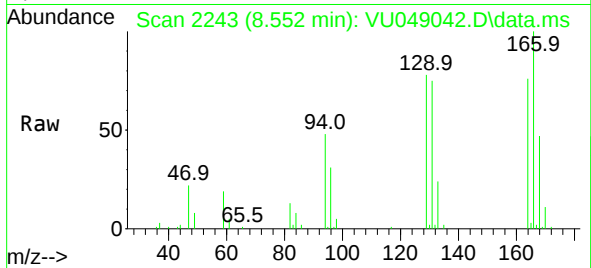




#46
Tetrachloroethene
Concen: 18.925 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049042.D
Acq: 11 Jun 2022 09:30

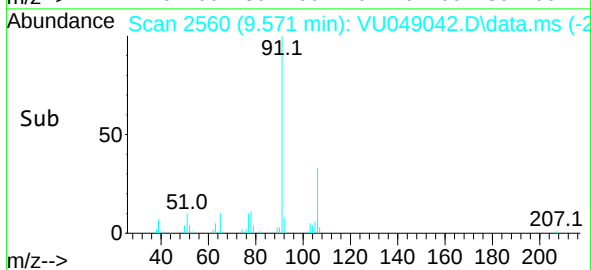
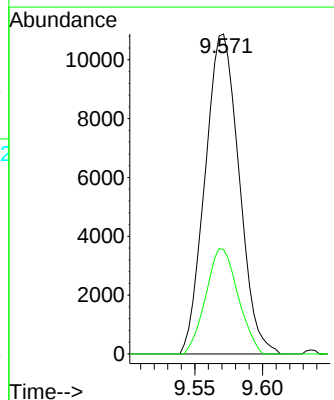
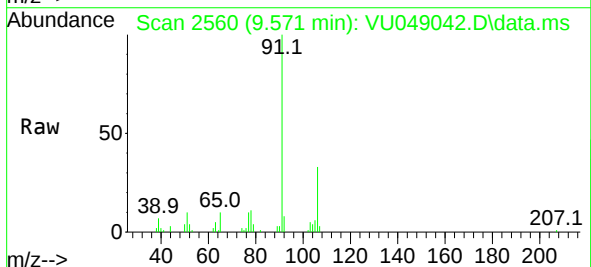
Instrument :
MSVOA_U
ClientSampleId :
XYZZ

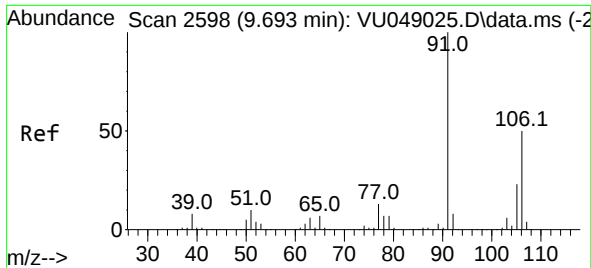
Tgt Ion:164	Resp:	27204	
Ion	Ratio	Lower	Upper
164	100		
129	102.2	70.9	131.7
131	98.3	66.2	123.0
166	130.9	88.1	163.5



#52
Ethylbenzene
Concen: 2.292 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049042.D
Acq: 11 Jun 2022 09:30

Tgt Ion: 91	Resp:	18947	
Ion Ratio	Lower	Upper	
91 100			
106 32.7	21.6	40.2	

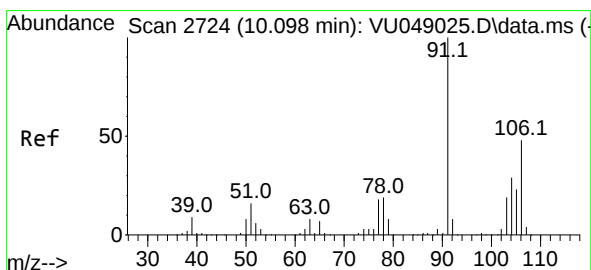
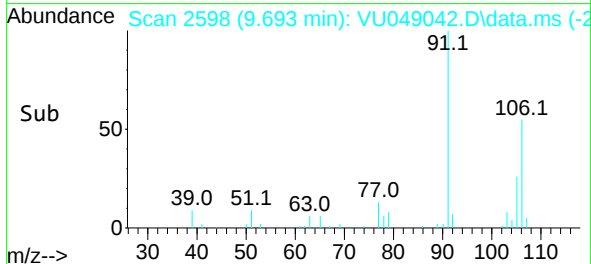
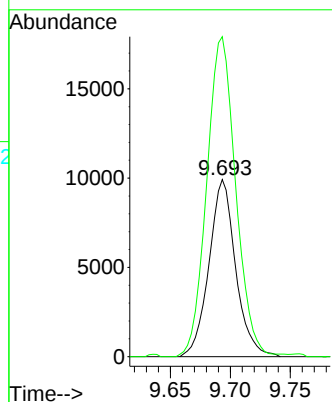
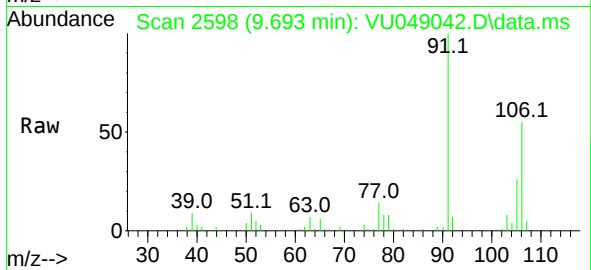




#53
m,p-Xylene
Concen: 4.722 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049042.D
Acq: 11 Jun 2022 09:30

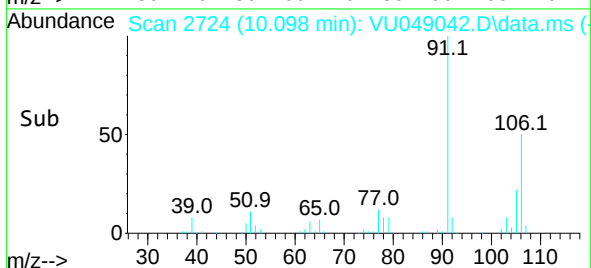
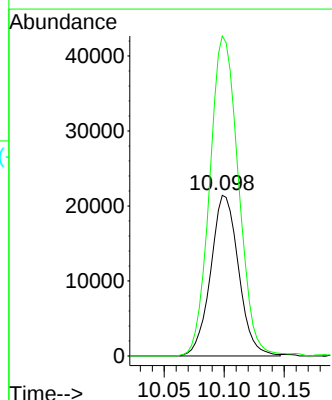
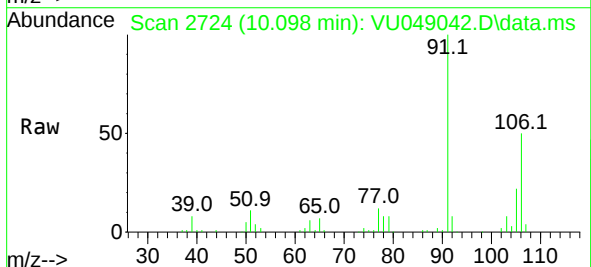
Instrument :
MSVOA_U
ClientSampleId :
XYZZ

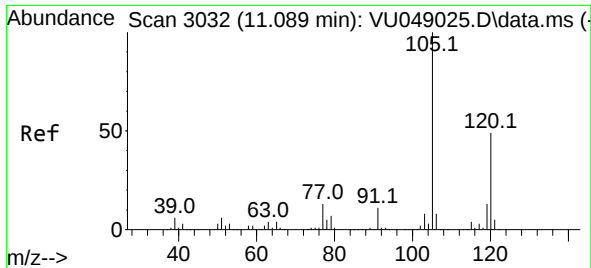
Tgt Ion:106 Resp: 15327
Ion Ratio Lower Upper
106 100
91 180.6 137.4 255.2



#54
o-Xylene
Concen: 10.600 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049042.D
Acq: 11 Jun 2022 09:30

Tgt Ion:106 Resp: 34666
Ion Ratio Lower Upper
106 100
91 199.1 145.2 269.6

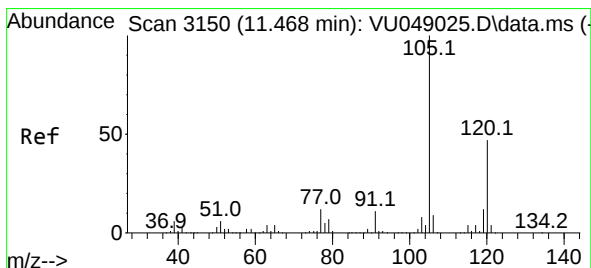
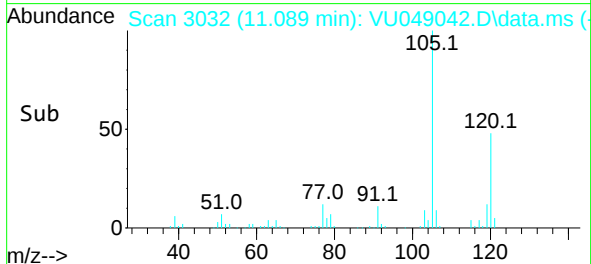
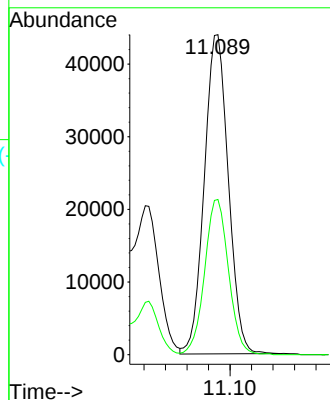
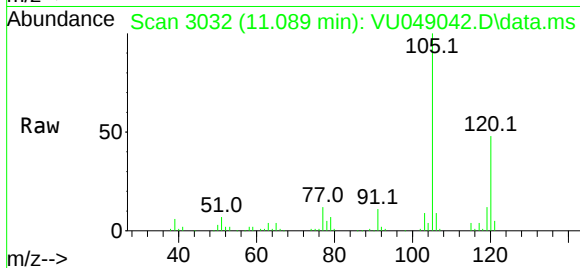




#62
 1,3,5-Trimethylbenzene
 Concen: 10.358 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. -0.000 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

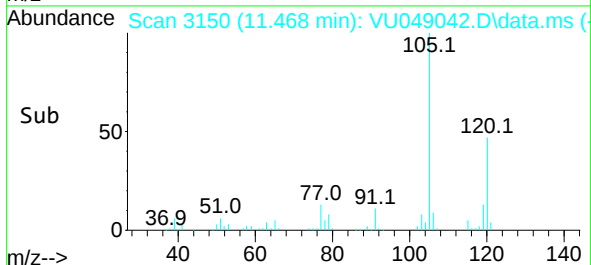
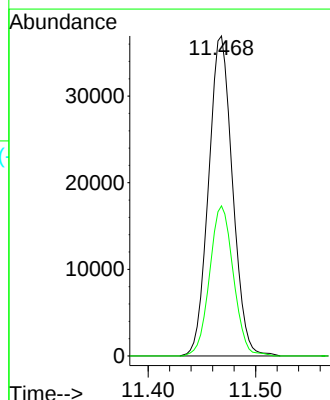
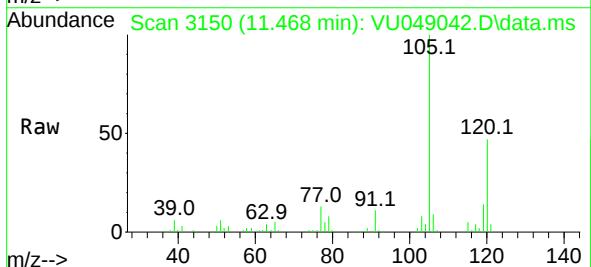
Instrument :
 MSVOA_U
 ClientSampleId :
 EXYZ2

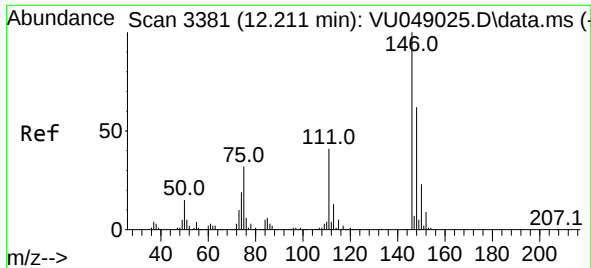
Tgt Ion:105 Resp: 68302
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 10.879 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. -0.000 min
 Lab File: VU049042.D
 Acq: 11 Jun 2022 09:30

Tgt Ion:105 Resp: 57117
 Ion Ratio Lower Upper
 105 100
 120 46.5 36.3 54.5





#67

1,2-Dichlorobenzene

Concen: 0.846 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU049042.D

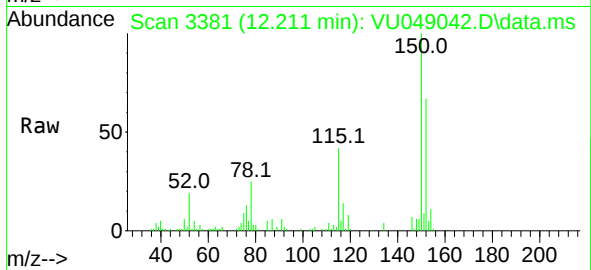
Acq: 11 Jun 2022 09:30

Instrument :

MSVOA_U

ClientSampleId :

EXYZ2



Tgt Ion:	146	Resp:	3327
Ion	Ratio	Lower	Upper
146	100		
111	49.7	33.9	50.9
148	82.2	50.2	75.2#

