

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U041222\
 Data File : U047951.D
 Acq On : 12 Apr 2022 13:31
 Operator : SY/MD
 Sample : N2316-14
 Misc : 6.15g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 13 01:34:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 13 01:28:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	413185	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	454842	50.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	290418	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	80468	26.856	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	53.720%#
7) Chloroethane-d5	2.028	69	335	0.142	ug/L	0.11
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.280%#
11) 1,1-Dichloroethene-d2	2.536	63	116023	21.165	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	42.320%#
21) 2-Butanone-d5	4.636	46	213901	83.173	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.170%
24) Chloroform-d	5.060	84	193228	35.245	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.500%
26) 1,2-Dichloroethane-d4	5.700	65	131644	39.151	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.300%
32) Benzene-d6	5.722	84	394806	34.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.000%#
36) 1,2-Dichloropropane-d6	6.690	67	135819	38.641	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.280%
41) Toluene-d8	7.899	98	353408	31.693	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.380%#
43) trans-1,3-Dichloroprop...	8.185	79	61282	34.414	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.820%
47) 2-Hexanone-d5	8.655	63	185887	90.341	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.340%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	282908	46.900	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.198	152	195444	37.827	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.660%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.533	101	1078	0.354	ug/L	# 18
13) Acetone	2.645	43	14351	5.996	ug/L	94
20) cis-1,2-Dichloroethene	4.661	96	2207	0.659	ug/L	# 98
27) 1,2-Dichloroethane	5.790	62	199759	45.550	ug/L	98
29) Cyclohexane	5.362	56	28272	6.126	ug/L	# 62
30) 1,1,1-Trichloroethane	5.308	97	3107	0.602	ug/L	# 84
33) Benzene	5.768	78	2598197	197.349	ug/L	100
34) Trichloroethene	6.539	95	20468	5.930	ug/L	97
35) Methylcyclohexane	6.758	83	17545	3.341	ug/L	96
37) 1,2-Dichloropropane	6.793	63	7780	2.325	ug/L	# 93
39) cis-1,3-Dichloropropene	7.443	75	4465	0.860	ug/L	97
42) Toluene	7.970	91	765787	53.011	ug/L	100
46) Tetrachloroethene	8.552	164	5677	1.830	ug/L	95
49) Dibromochloromethane	8.552	129	5208	1.267	ug/L	# 11
50) 1,2-Dibromoethane	8.931	107	3130	0.787	ug/L	# 93
51) Chlorobenzene	9.452	112	1448407	147.669	ug/L	96
52) Ethylbenzene	9.574	91	15970	1.051	ug/L	92
53) m,p-Xylene	9.697	106	15931	2.673	ug/L	97
54) o-Xylene	10.105	106	11909	2.036	ug/L	96

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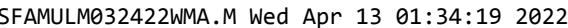
Instrument :
 MSVOA_U
 ClientSampleId :

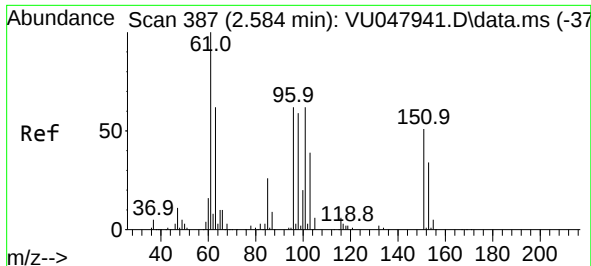
Quant Time: Apr 13 01:34:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 13 01:28:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	10.787	83	515948	77.534	ug/L #	27
62) 1,3,5-Trimethylbenzene	11.092	105	8032	0.943	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	14015	1.083	ug/L	95
65) 1,4-Dichlorobenzene	11.841	146	72853	8.062	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	665933	76.289	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.979	75	7599828	4333.535	ug/L #	1

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

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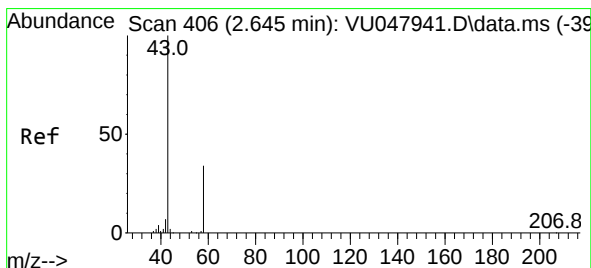
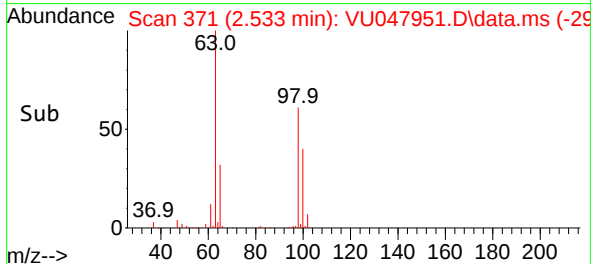
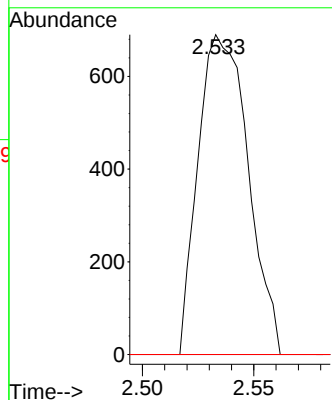
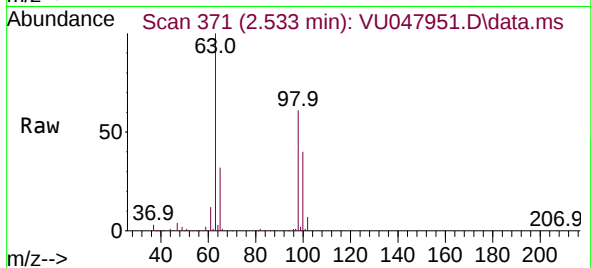




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.354 ug/L
RT: 2.533 min Scan# 31
Delta R.T. -0.051 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

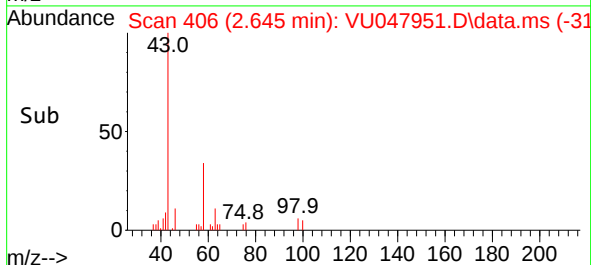
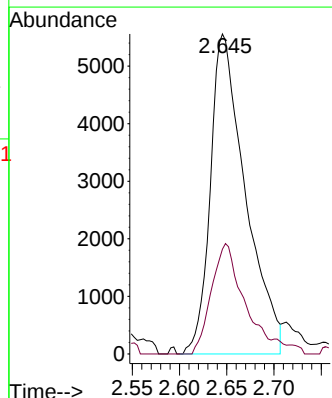
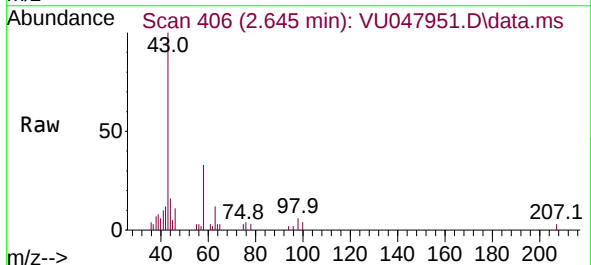
Instrument :
MSVOA_U
ClientSampleId :

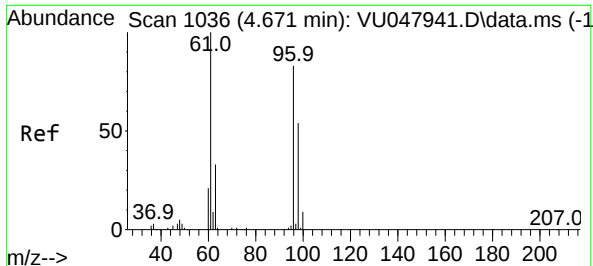
Tgt Ion:101 Resp: 1078
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#13
Acetone
Concen: 5.996 ug/L
RT: 2.645 min Scan# 406
Delta R.T. -0.000 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

Tgt Ion: 43 Resp: 14351
Ion Ratio Lower Upper
43 100
58 31.6 0.0 70.0





#20

cis-1,2-Dichloroethene

Concen: 0.659 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.010 min

Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

Instrument :

MSVOA_U

ClientSampleId :

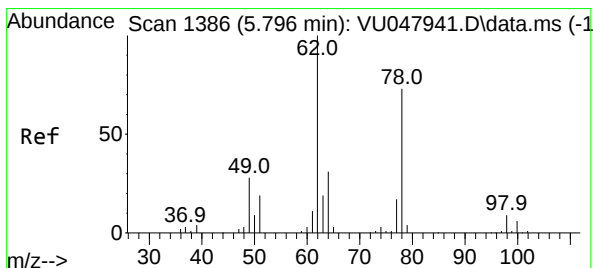
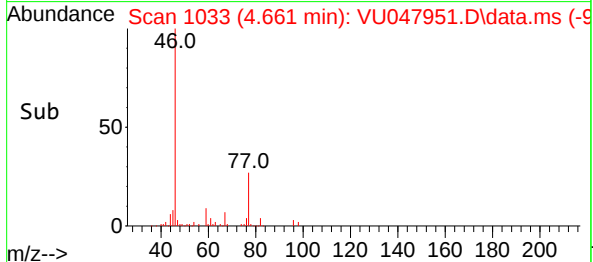
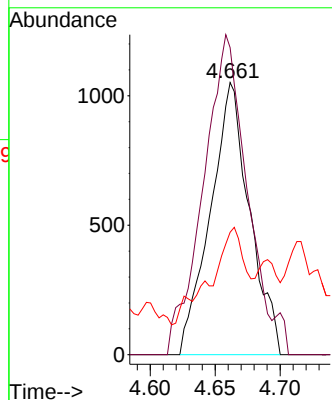
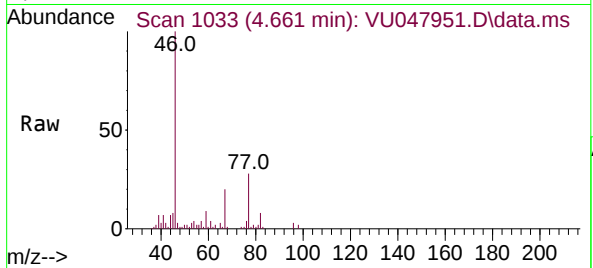
Tgt Ion: 96 Resp: 2207

Ion Ratio Lower Upper

96 100

61 112.8 80.7 149.9

68 45.0 0.0 0.0#



#27

1,2-Dichloroethane

Concen: 45.550 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.006 min

Lab File: VU047951.D

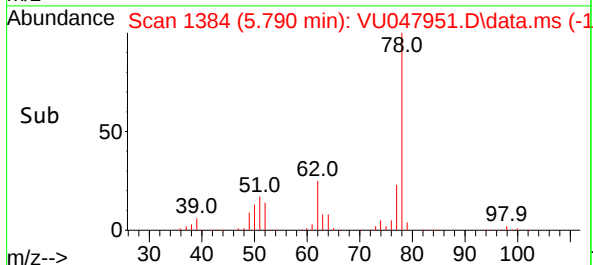
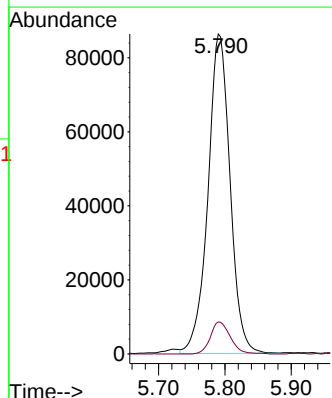
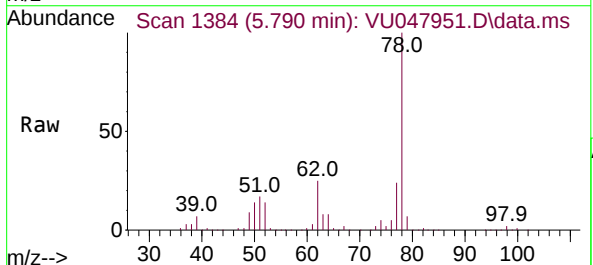
Acq: 12 Apr 2022 13:31

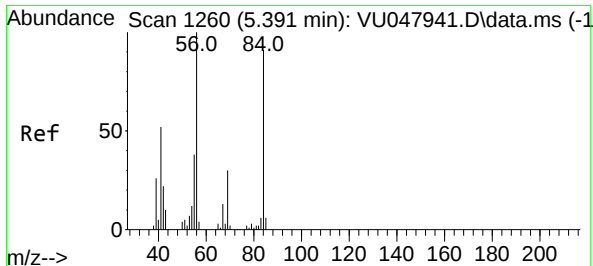
Tgt Ion: 62 Resp: 199759

Ion Ratio Lower Upper

62 100

98 10.0 7.4 11.0





#29

Cyclohexane

Concen: 6.126 ug/L

RT: 5.362 min Scan# 1251

Delta R.T. -0.029 min

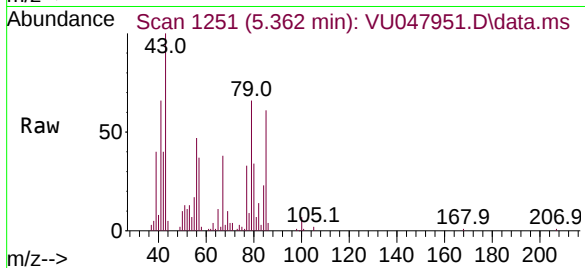
Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

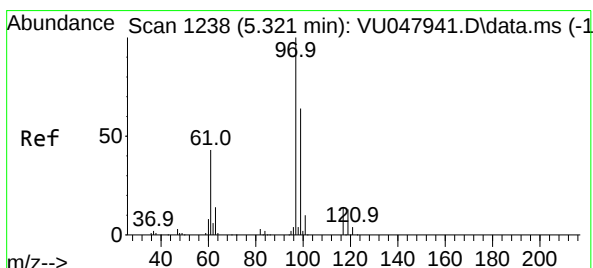
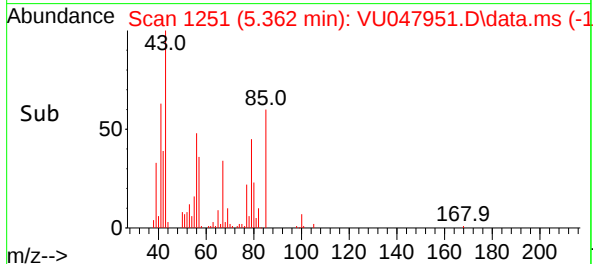
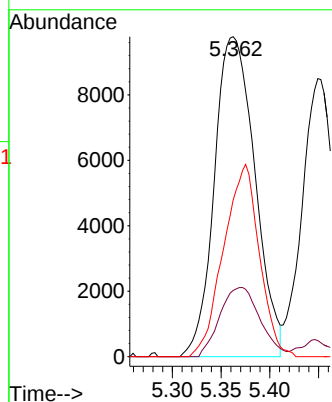
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	56	Resp:	28272
Ion	Ratio	Lower	Upper
56	100		
69	21.4	25.4	38.2#
84	52.9	77.0	115.6#



#30

1,1,1-Trichloroethane

Concen: 0.602 ug/L

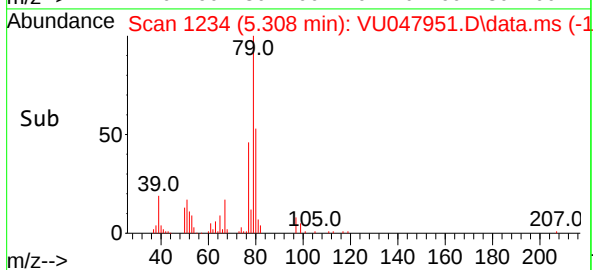
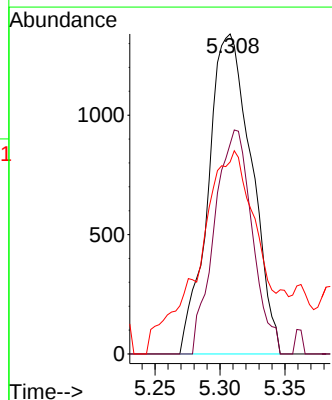
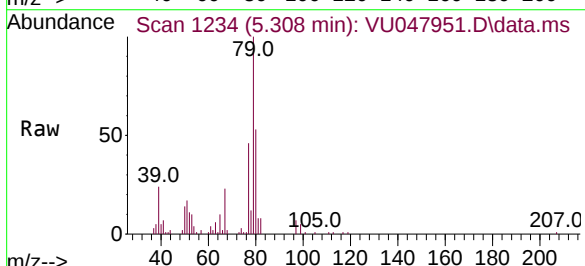
RT: 5.308 min Scan# 1234

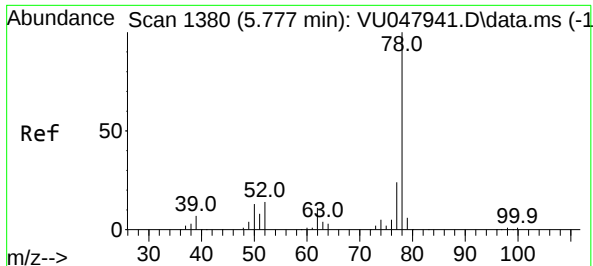
Delta R.T. -0.013 min

Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

Tgt Ion:	97	Resp:	3107
Ion	Ratio	Lower	Upper
97	100		
99	60.5	51.6	77.4
61	62.9	34.2	51.4#





#33

Benzene

Concen: 197.349 ug/L

RT: 5.768 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU047951.D

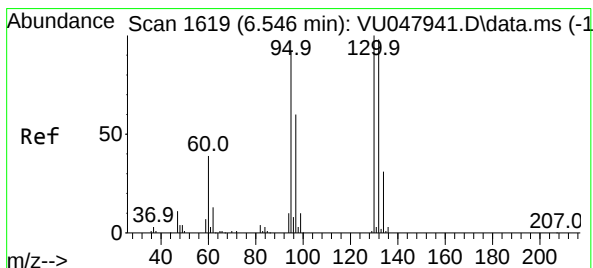
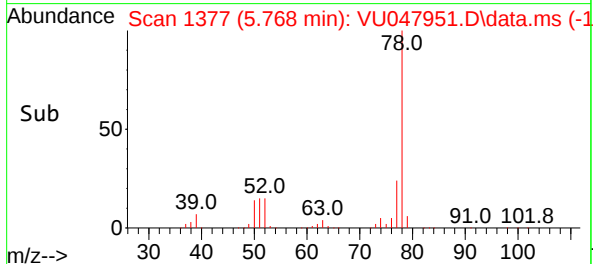
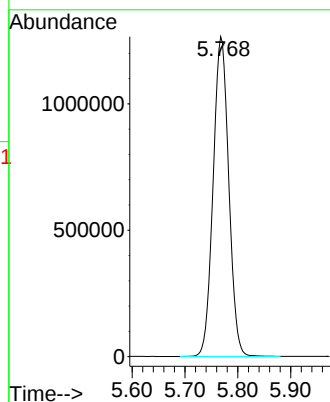
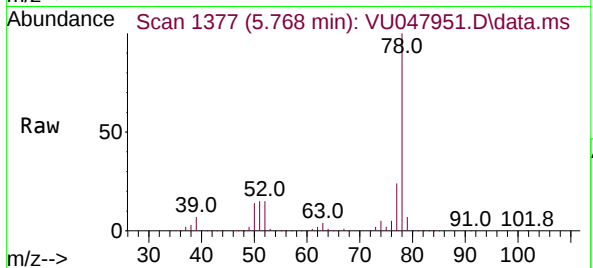
Acq: 12 Apr 2022 13:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 2598197



#34

Trichloroethene

Concen: 5.930 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.006 min

Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

Tgt Ion: 95 Resp: 20468

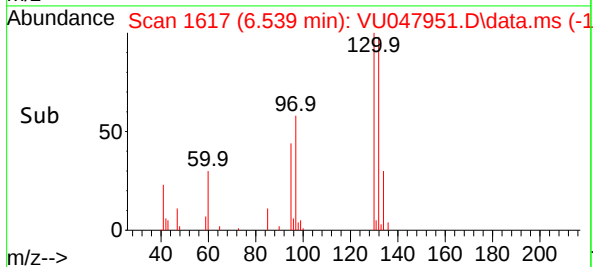
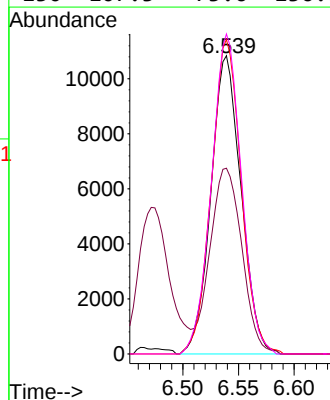
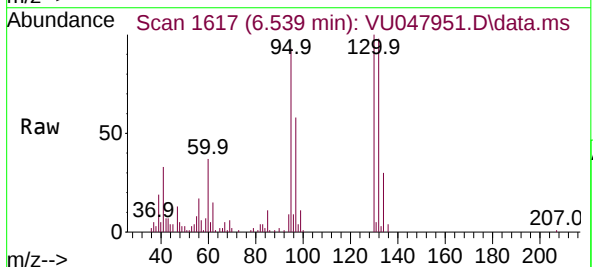
Ion Ratio Lower Upper

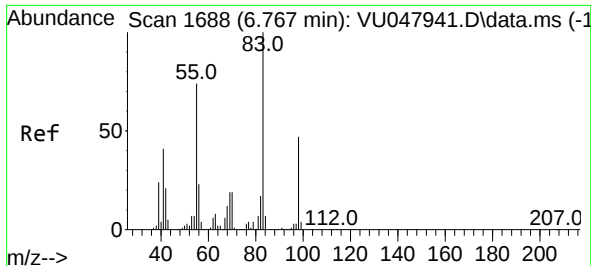
95 100

97 62.3 44.7 82.9

132 105.5 70.4 130.8

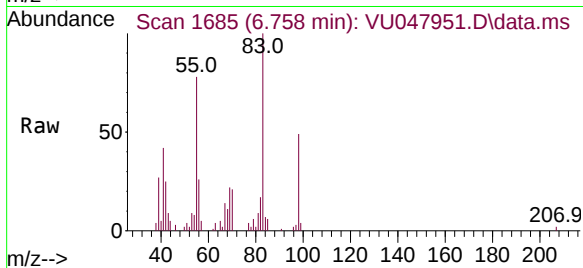
130 107.3 73.6 136.8



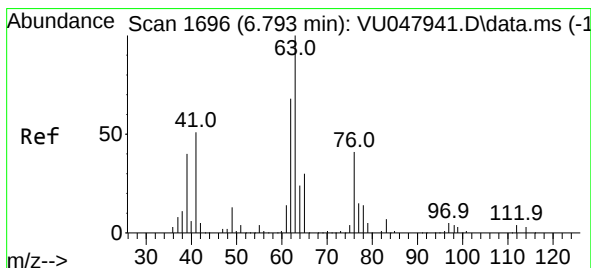
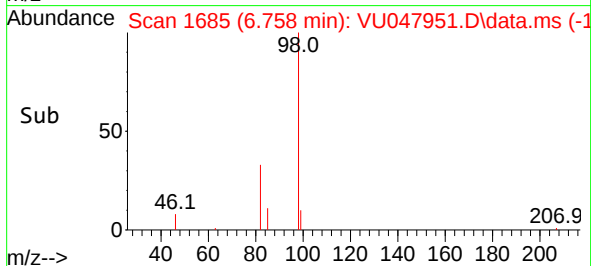
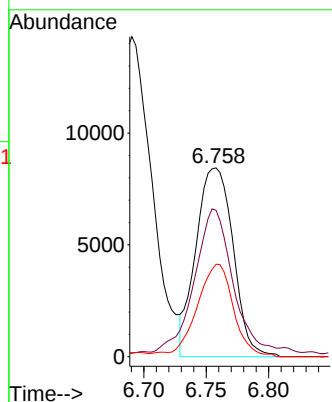


#35
Methylcyclohexane
Concen: 3.341 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.010 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

Instrument :
MSVOA_U
ClientSampleId :

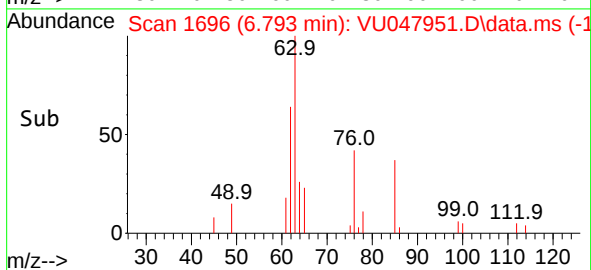
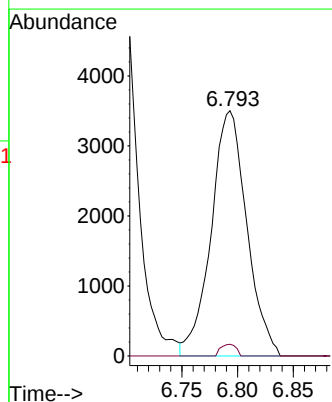
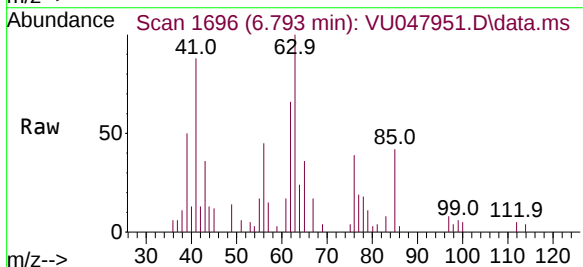


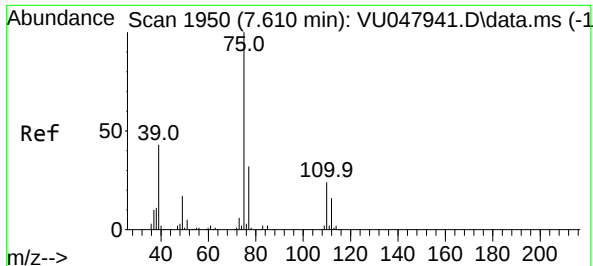
Tgt Ion: 83 Resp: 17545
Ion Ratio Lower Upper
83 100
55 76.7 56.8 85.2
98 47.2 38.1 57.1



#37
1,2-Dichloropropane
Concen: 2.325 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. -0.000 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

Tgt Ion: 63 Resp: 7780
Ion Ratio Lower Upper
63 100
112 2.1 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.860 ug/L

RT: 7.443 min Scan# 1898

Delta R.T. -0.167 min

Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

Instrument :

MSVOA_U

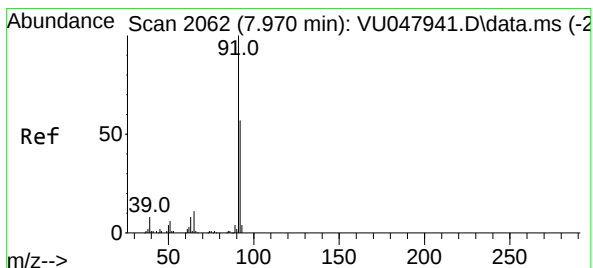
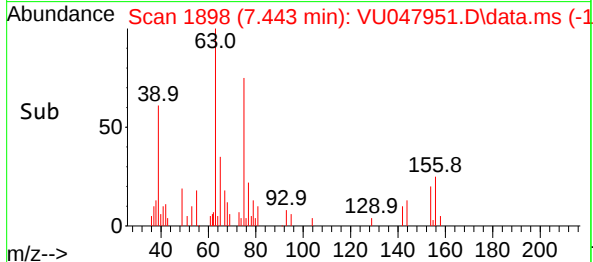
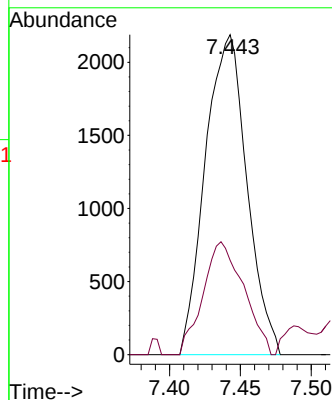
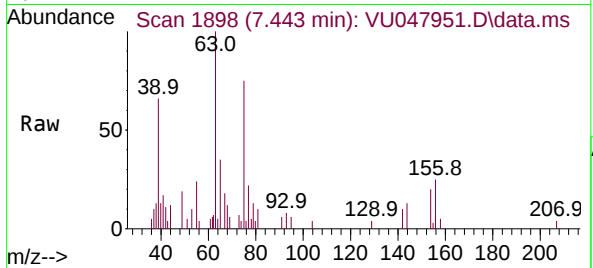
ClientSampleId :

Tgt Ion: 75 Resp: 4465

Ion Ratio Lower Upper

75 100

77 29.5 21.8 40.6



#42

Toluene

Concen: 53.011 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU047951.D

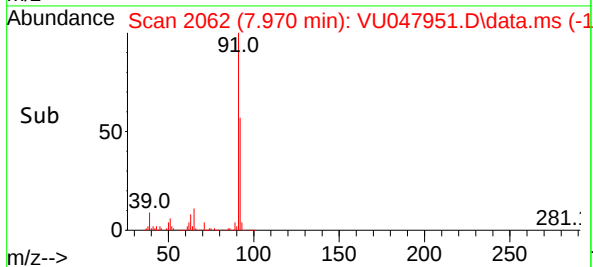
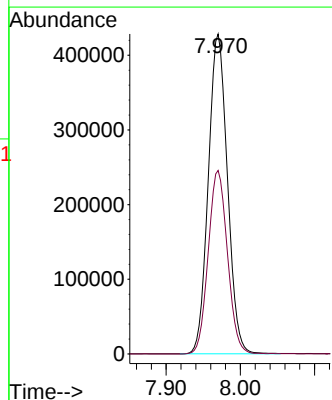
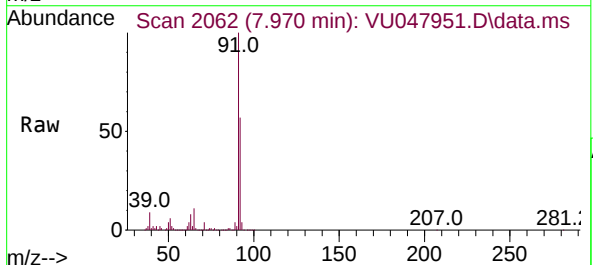
Acq: 12 Apr 2022 13:31

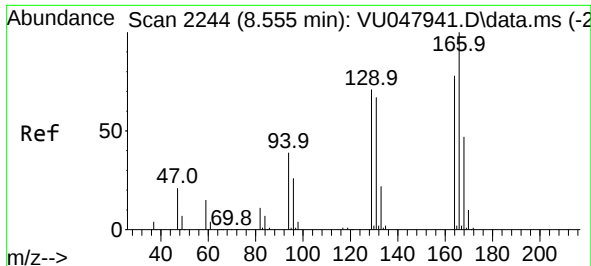
Tgt Ion: 91 Resp: 765787

Ion Ratio Lower Upper

91 100

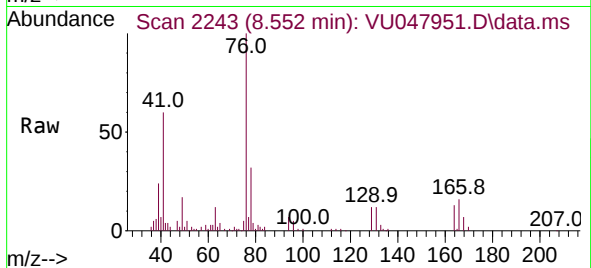
92 57.3 40.4 75.0





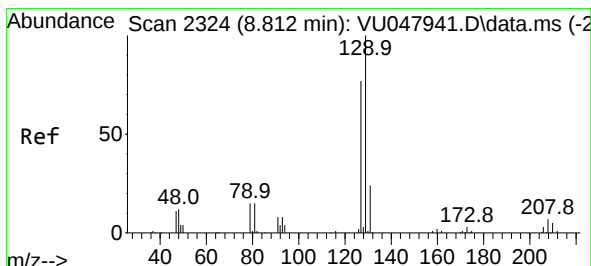
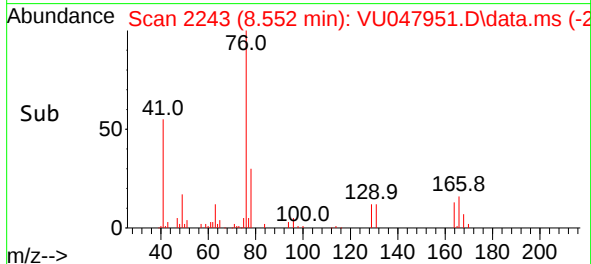
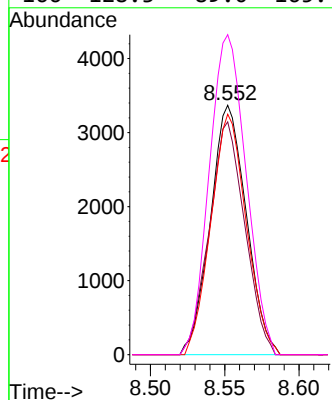
#46
Tetrachloroethene
Concen: 1.830 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 5677

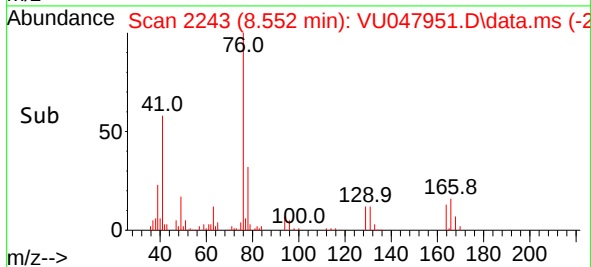
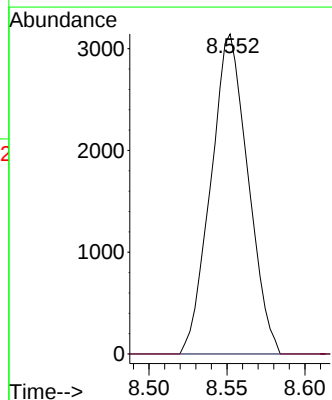
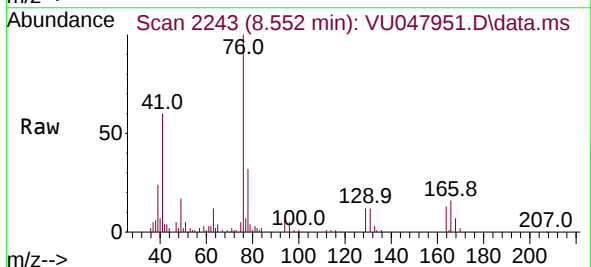
Ion	Ratio	Lower	Upper
164	100		
129	93.4	62.4	116.0
131	96.4	60.7	112.7
166	128.3	89.0	165.4

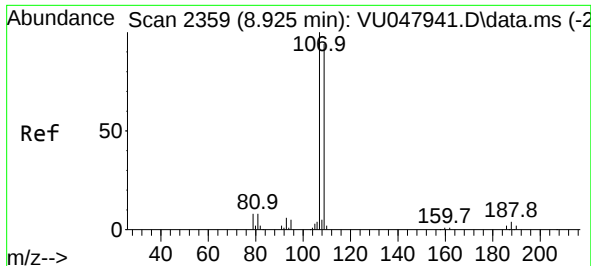


#49
Dibromochloromethane
Concen: 1.267 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.260 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

Tgt Ion:129 Resp: 5208

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.2	100.6





#50

1,2-Dibromoethane

Concen: 0.787 ug/L

RT: 8.931 min Scan# 21

Delta R.T. 0.006 min

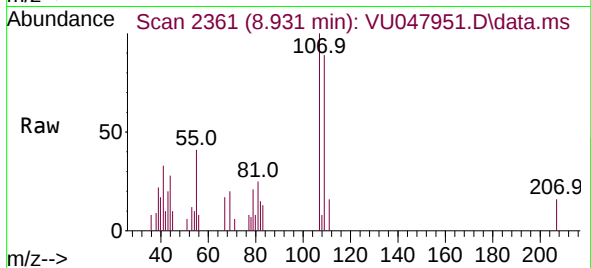
Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

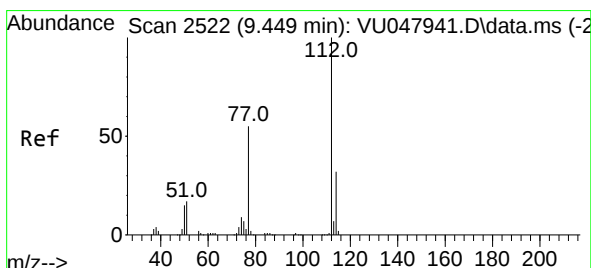
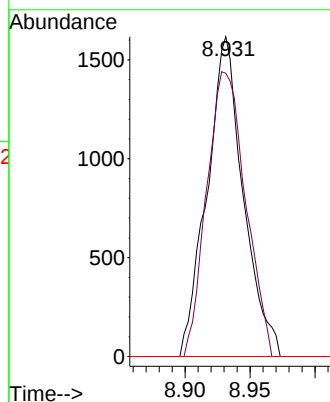
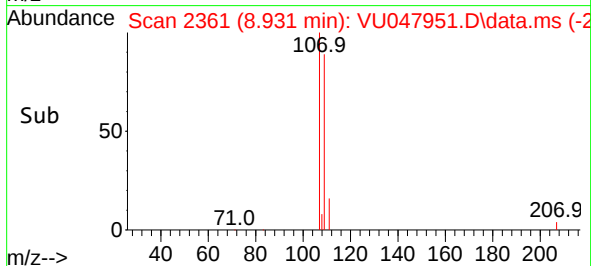
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	3130
Ion	Ratio	Lower	Upper
107	100		
109	88.6	66.6	123.6
188	0.0	3.4	5.2#



#51

Chlorobenzene

Concen: 147.669 ug/L

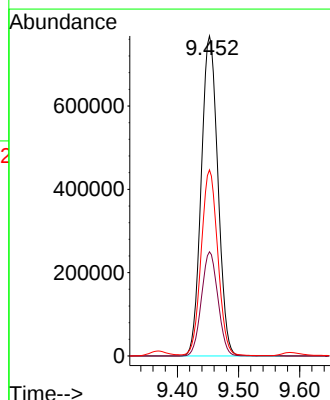
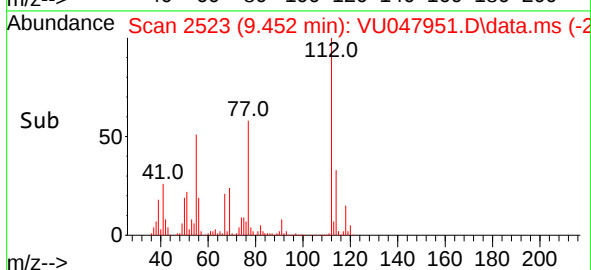
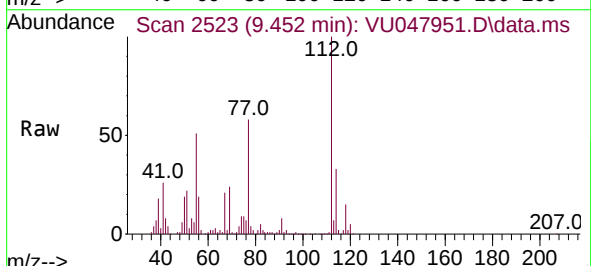
RT: 9.452 min Scan# 2523

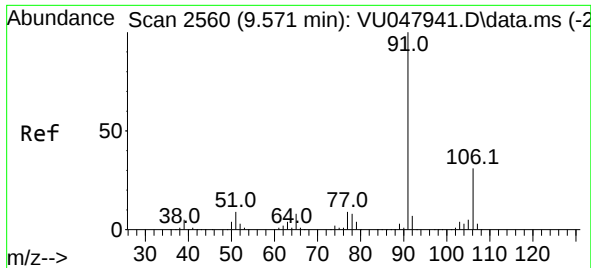
Delta R.T. 0.003 min

Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

Tgt Ion:	112	Resp:	1448407
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.1	41.1
77	58.2	43.4	65.0

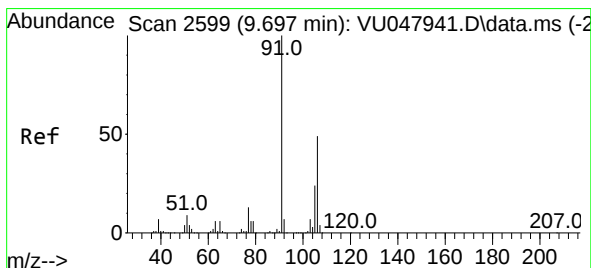
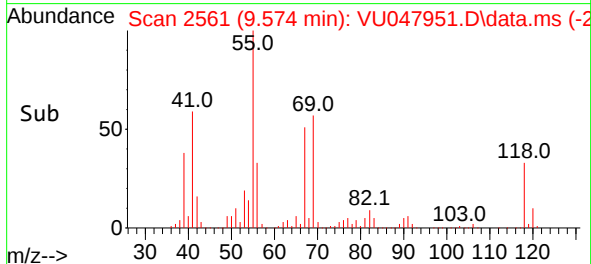
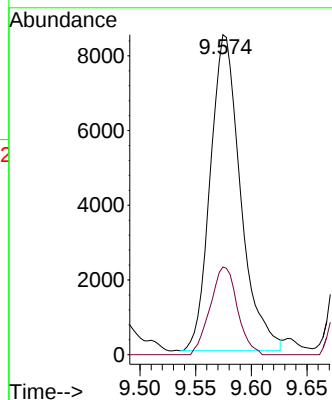
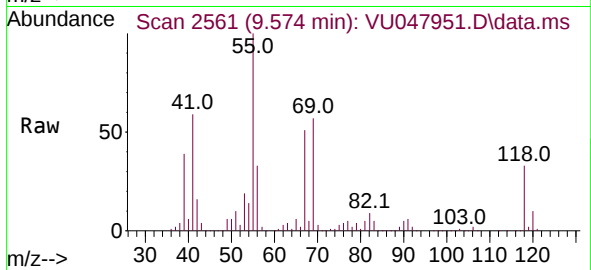




#52
Ethylbenzene
Concen: 1.051 ug/L
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

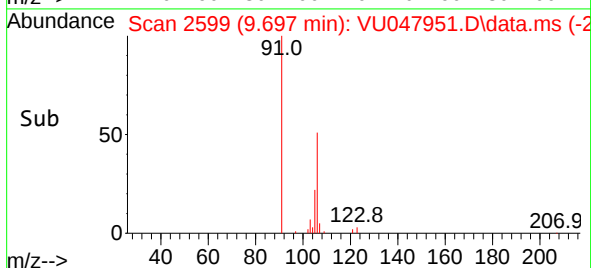
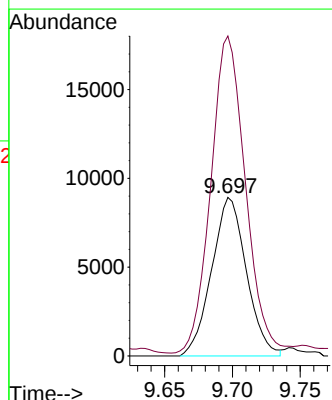
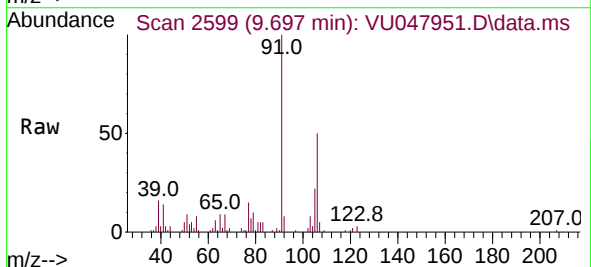
Instrument :
MSVOA_U
ClientSampleId :

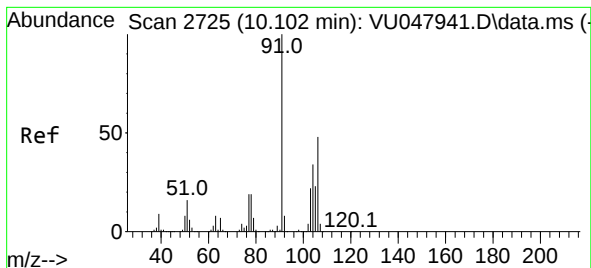
Tgt Ion: 91 Resp: 15970
Ion Ratio Lower Upper
91 100
106 27.4 22.4 41.6



#53
m,p-Xylene
Concen: 2.673 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

Tgt Ion: 106 Resp: 15931
Ion Ratio Lower Upper
106 100
91 201.9 137.7 255.7





#54

o-Xylene

Concen: 2.036 ug/L

RT: 10.105 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

Instrument :

MSVOA_U

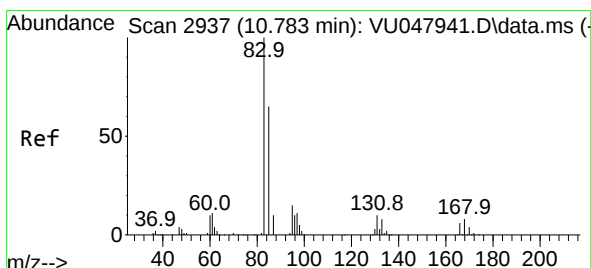
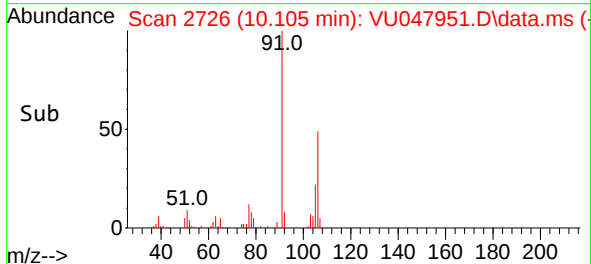
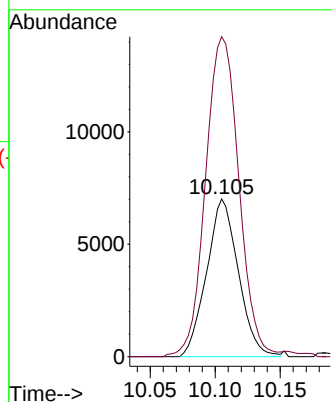
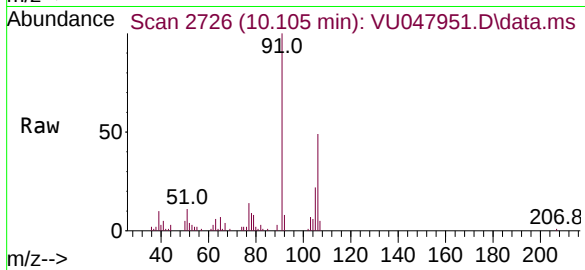
ClientSampleId :

Tgt Ion:106 Resp: 11909

Ion Ratio Lower Upper

106 100

91 202.7 146.7 272.5



#57

1,1,2,2-Tetrachloroethane

Concen: 77.534 ug/L

RT: 10.787 min Scan# 2938

Delta R.T. 0.003 min

Lab File: VU047951.D

Acq: 12 Apr 2022 13:31

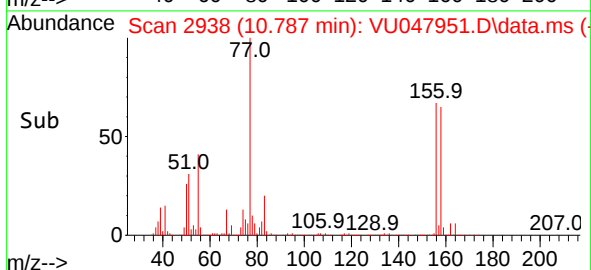
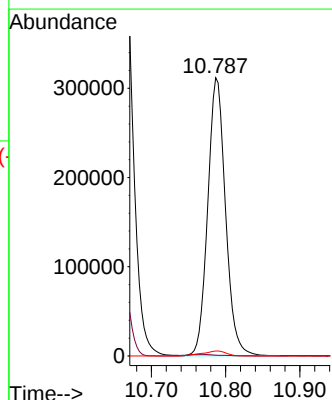
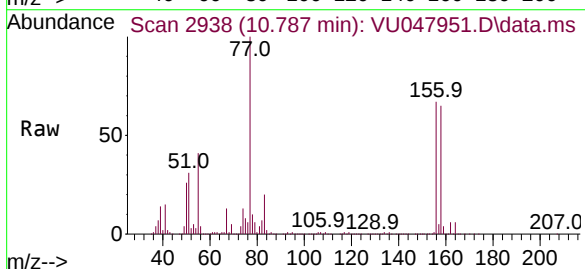
Tgt Ion: 83 Resp: 515948

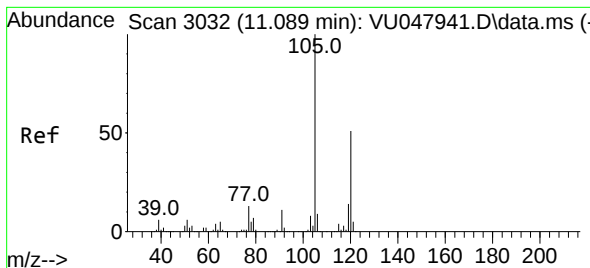
Ion Ratio Lower Upper

83 100

85 0.3 44.9 83.3#

131 1.8 8.6 13.0#

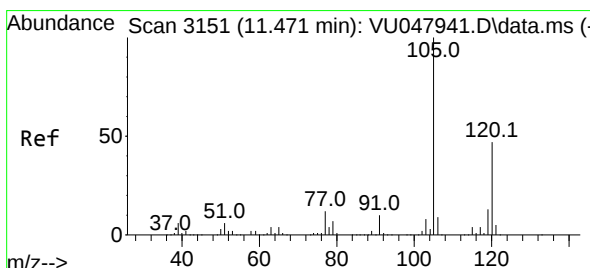
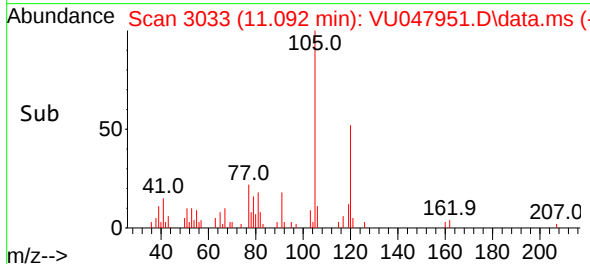
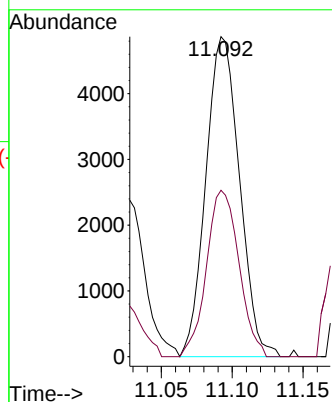
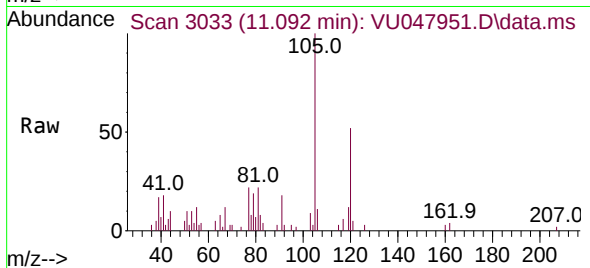




#62
 1,3,5-Trimethylbenzene
 Concen: 0.943 ug/L
 RT: 11.092 min Scan# 3033
 Delta R.T. 0.003 min
 Lab File: VU047951.D
 Acq: 12 Apr 2022 13:31

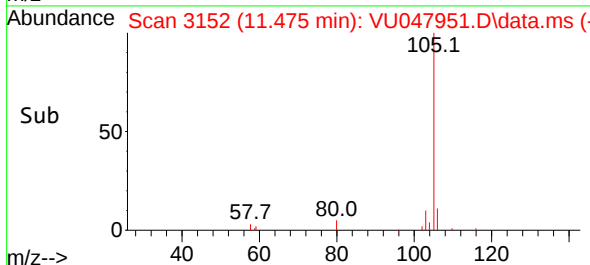
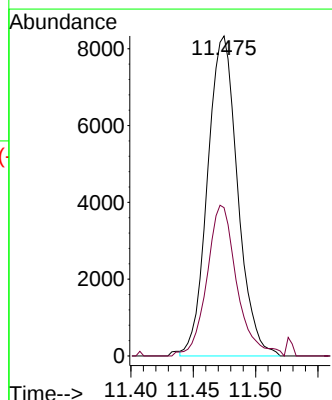
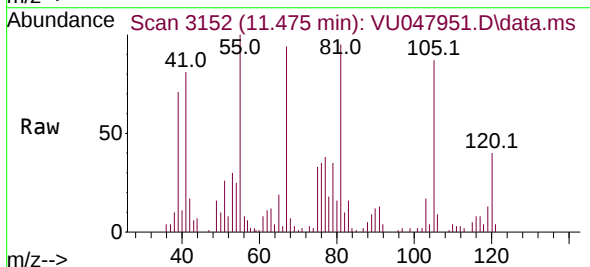
Instrument :
 MSVOA_U
 ClientSampleId :

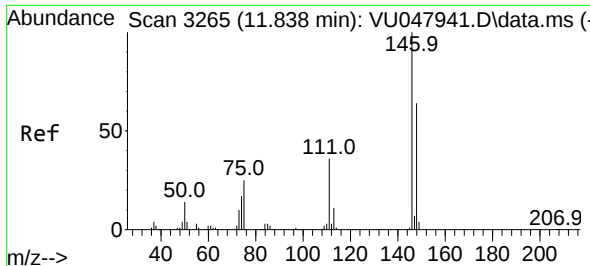
Tgt Ion:105 Resp: 8032
 Ion Ratio Lower Upper
 105 100
 120 50.2 40.8 61.2



#63
 1,2,4-Trimethylbenzene
 Concen: 1.083 ug/L
 RT: 11.475 min Scan# 3152
 Delta R.T. 0.003 min
 Lab File: VU047951.D
 Acq: 12 Apr 2022 13:31

Tgt Ion:105 Resp: 14015
 Ion Ratio Lower Upper
 105 100
 120 43.9 37.6 56.4

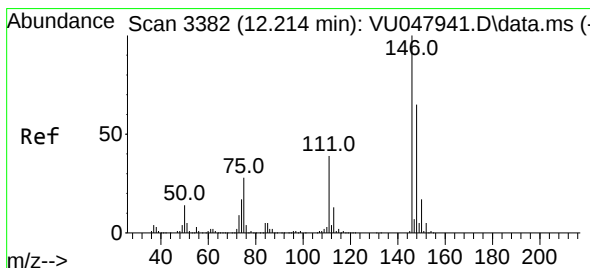
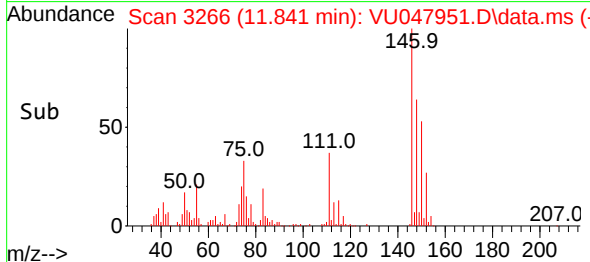
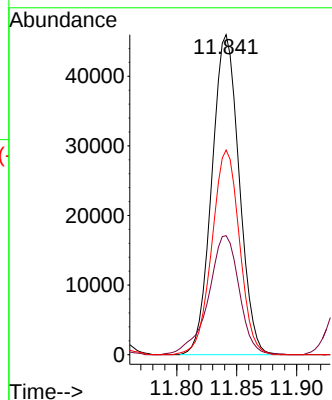
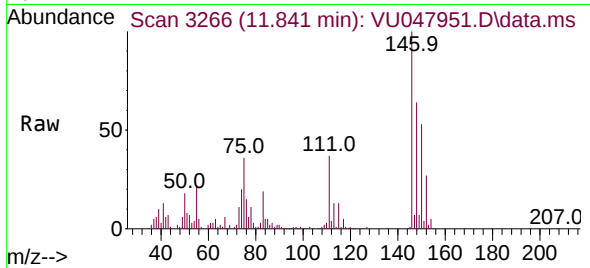




#65
1,4-Dichlorobenzene
Concen: 8.062 ug/L
RT: 11.841 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

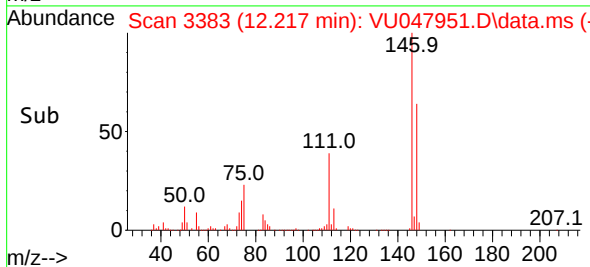
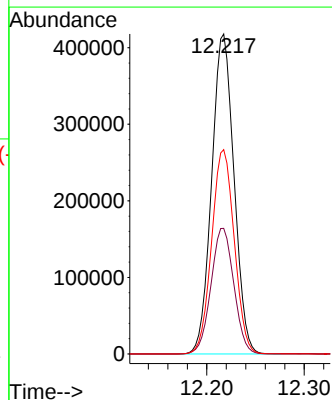
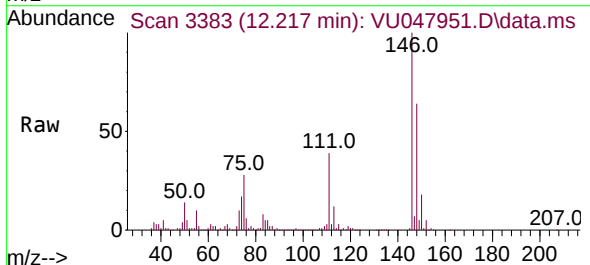
Instrument :
MSVOA_U
ClientSampleId :

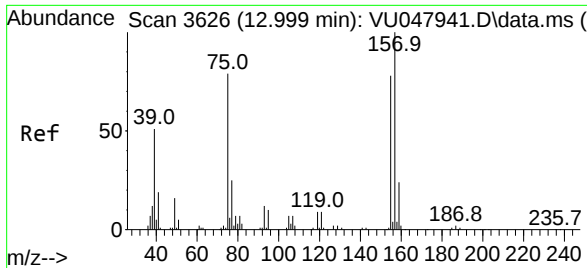
Tgt Ion:146 Resp: 72853
Ion Ratio Lower Upper
146 100
111 37.2 25.3 47.1
148 63.9 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 76.289 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU047951.D
Acq: 12 Apr 2022 13:31

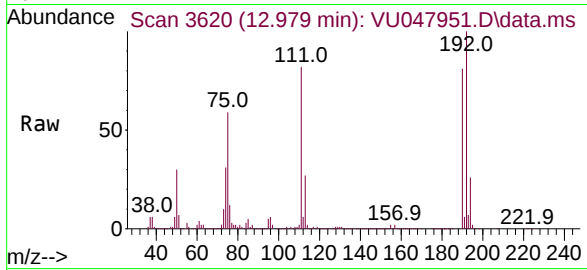
Tgt Ion:146 Resp: 665933
Ion Ratio Lower Upper
146 100
111 39.3 31.7 47.5
148 63.8 51.4 77.2





#68
 1,2-Dibromo-3-chloropropane
 Concen: 4333.535 ug/L
 RT: 12.979 min Scan# 30
 Delta R.T. -0.019 min
 Lab File: VU047951.D
 Acq: 12 Apr 2022 13:31

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 7599828
 Ion Ratio Lower Upper
 75 100
 155 3.0 78.9 118.3#
 157 2.6 97.5 146.3#

