

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045099.D
 Acq On : 04 Oct 2021 16:22
 Operator : SY/MD
 Sample : M3996-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A24

Quant Time: Oct 05 02:46:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	281128	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	267051	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	124189	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	95612	31.068	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	62.140%		
7) Chloroethane-d5	1.909	69	90705	37.193	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.380%		
11) 1,1-Dichloroethene-d2	2.568	63	140163	27.120	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.240%#		
21) 2-Butanone-d5	4.629	46	243015	99.882	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.880%		
24) Chloroform-d	5.067	84	200018	41.151	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.300%		
26) 1,2-Dichloroethane-d4	5.707	65	144305	43.830	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.660%		
32) Benzene-d6	5.732	84	400876	43.260	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.520%		
36) 1,2-Dichloropropane-d6	6.694	67	133026	44.026	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.060%		
41) Toluene-d8	7.903	98	342311	42.805	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.620%		
43) trans-1,3-Dichloroprop...	8.182	79	60366	44.913	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.820%		
47) 2-Hexanone-d5	8.636	63	179919	107.450	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.450%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	211433	44.937	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.880%		
66) 1,2-Dichlorobenzene-d4	12.195	152	127620	47.219	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.440%		
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	3.369	73	3656	0.483	ug/L	97
25) Chloroform	5.092	83	2931	0.618	ug/L	97
33) Benzene	5.777	78	9998	1.009	ug/L	100
34) Trichloroethene	6.546	95	9306	3.912	ug/L	99
35) Methylcyclohexane	6.694	83	32118	8.064	ug/L #	16
37) 1,2-Dichloropropane	6.697	63	14906	5.527	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3947	1.023	ug/L #	69
42) Toluene	7.973	91	14509	1.442	ug/L	95
44) trans-1,3-Dichloropropene	8.182	75	2738	0.746	ug/L #	80
45) 1,1,2-Trichloroethane	8.558	97	21012	8.598	ug/L #	1
46) Tetrachloroethene	8.558	164	2233304	1313.361	ug/L	98
49) Dibromochloromethane	8.558	129	2197638	909.215	ug/L #	11
52) Ethylbenzene	9.575	91	4941	0.465	ug/L	97
53) m,p-Xylene	9.700	106	1995	0.495	ug/L	89
60) 1,2,3-Trichloropropane	11.816	75	16324	4.752	ug/L #	67
63) 1,2,4-Trimethylbenzene	11.475	105	2462	0.317	ug/L	97
71) Naphthalene	14.092	128	6924	0.825	ug/L	97

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Quant Time: Oct 05 02:46:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 05 02:41:56 2021
Response via : Initial Calibration

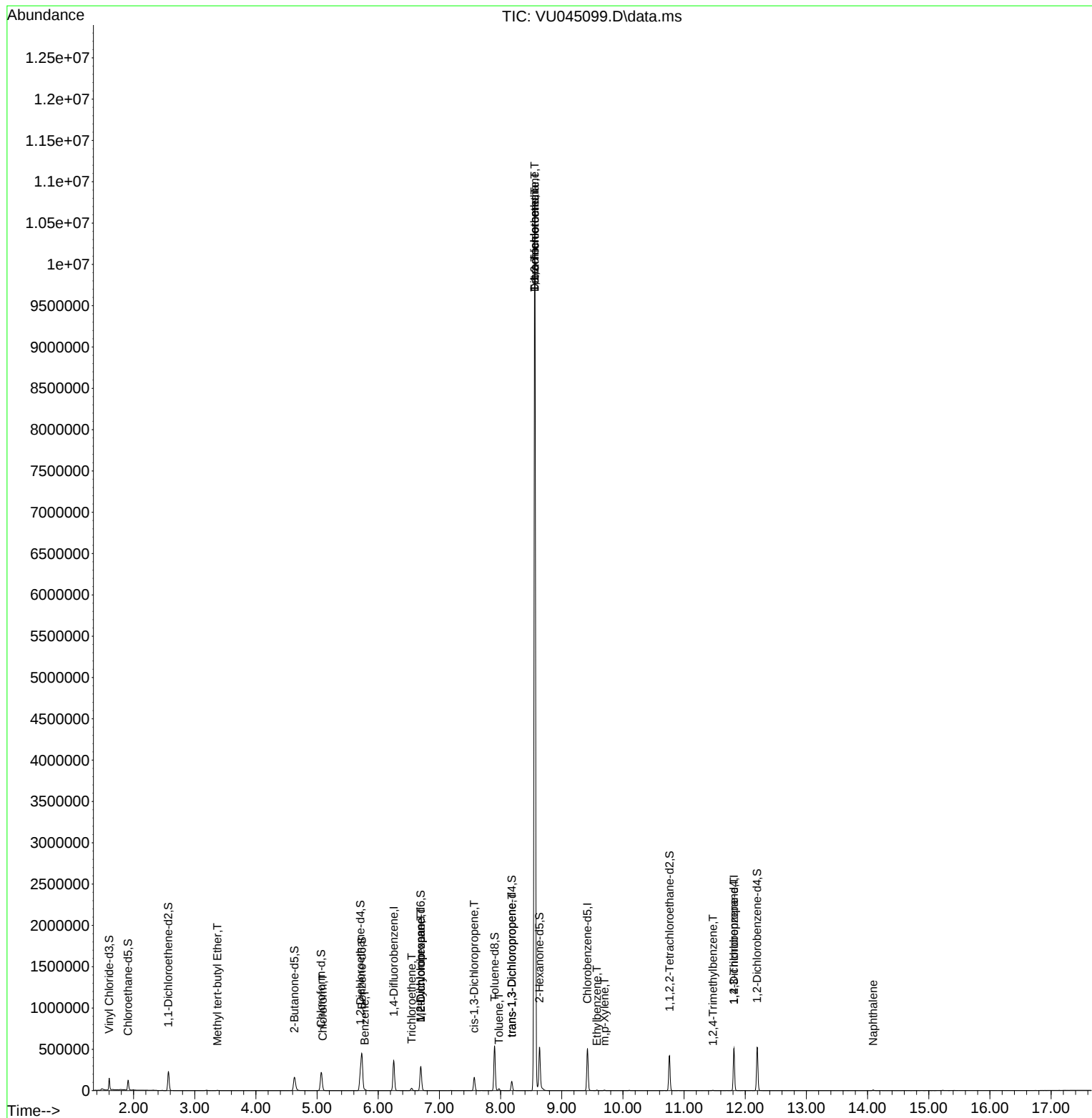
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

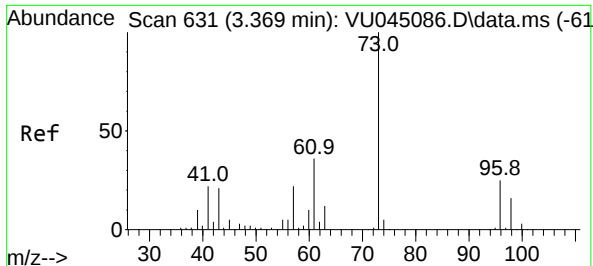
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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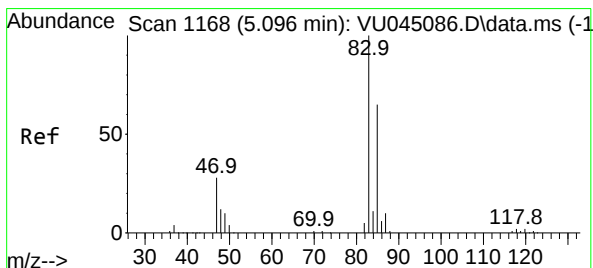
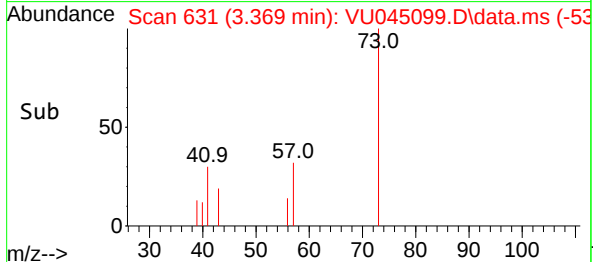
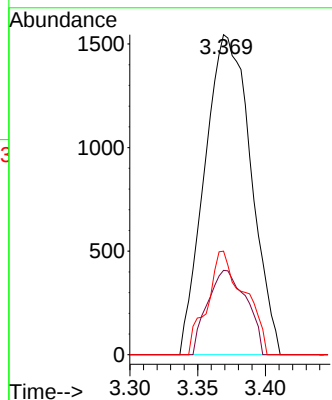
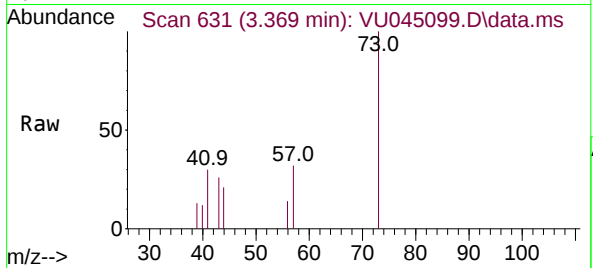




#18
Methyl tert-butyl Ether
Concen: 0.483 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

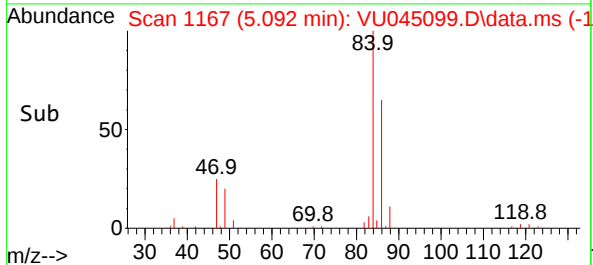
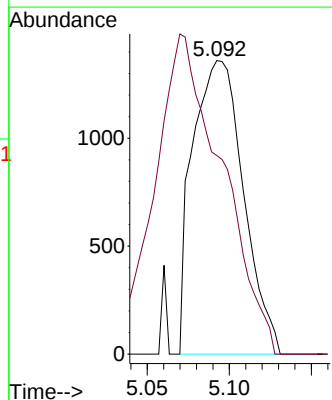
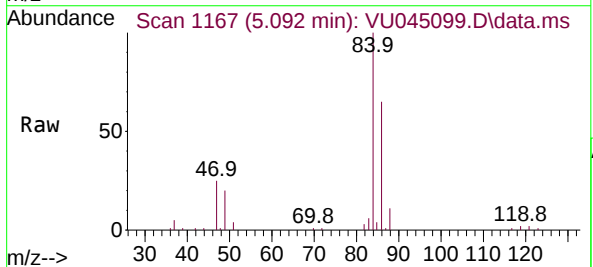
Instrument :
MSVOA_U
ClientSampled :
F4A24

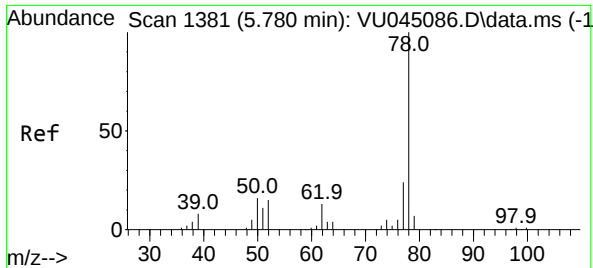
Tgt Ion: 73 Resp: 3656
Ion Ratio Lower Upper
73 100
43 22.2 17.3 25.9
57 26.0 18.7 28.1



#25
Chloroform
Concen: 0.618 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion: 83 Resp: 2931
Ion Ratio Lower Upper
83 100
85 67.6 45.6 84.6

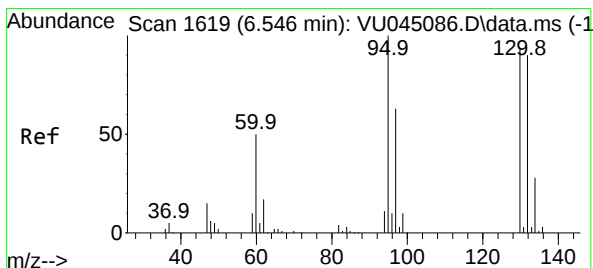
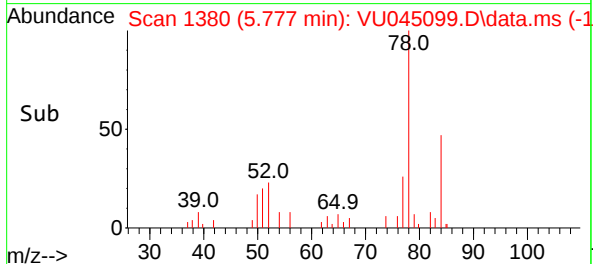
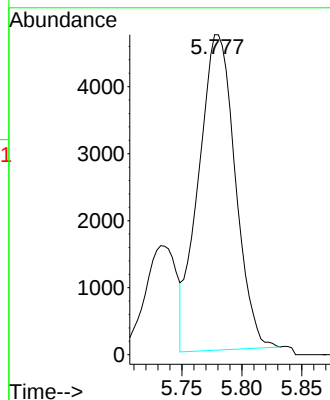
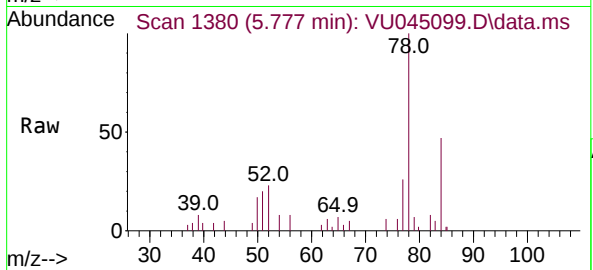




#33
Benzene
Concen: 1.009 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Instrument :
MSVOA_U
ClientSampleId :
F4A24

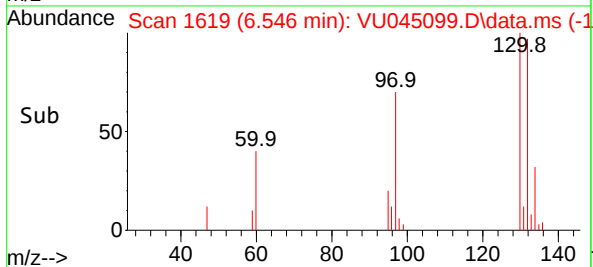
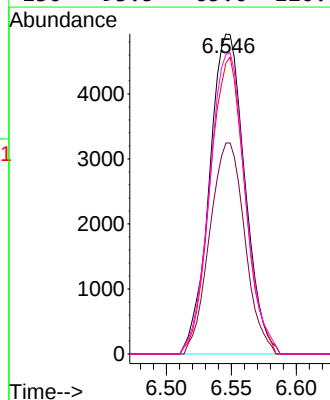
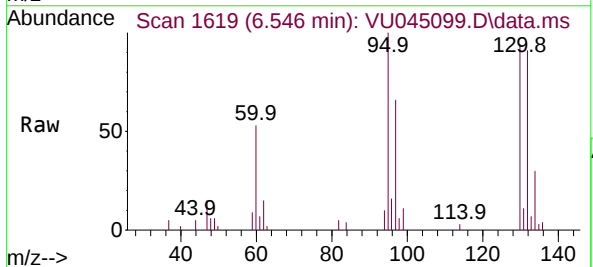
Tgt Ion: 78 Resp: 9998

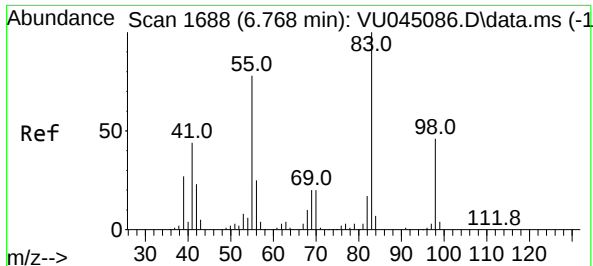


#34
Trichloroethene
Concen: 3.912 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion: 95 Resp: 9306

Ion	Ratio	Lower	Upper
95	100		
97	65.9	44.4	82.4
132	90.9	62.9	116.9
130	93.5	65.0	120.8





#35

Methylcyclohexane

Concen: 8.064 ug/L

RT: 6.694 min Scan# 1665

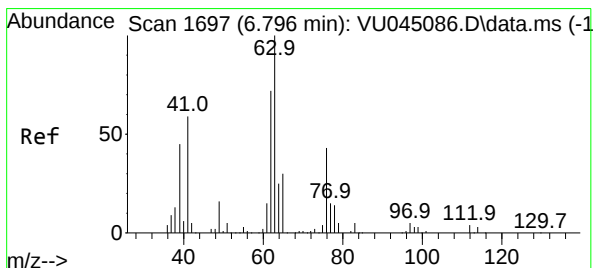
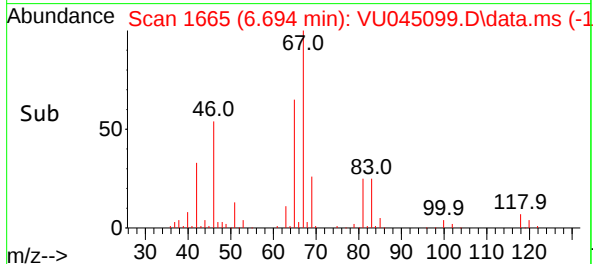
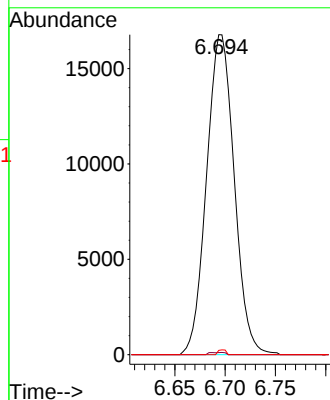
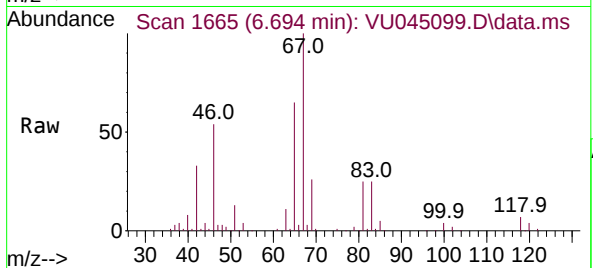
Delta R.T. -0.074 min

Lab File: VU045099.D

Acq: 04 Oct 2021 16:22

Tgt Ion:	83	Resp:	32118
Ion Ratio	Lower	Upper	
83	100		
55	0.2	65.8	98.6#
98	0.4	37.1	55.7#

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#37

1,2-Dichloropropane

Concen: 5.527 ug/L

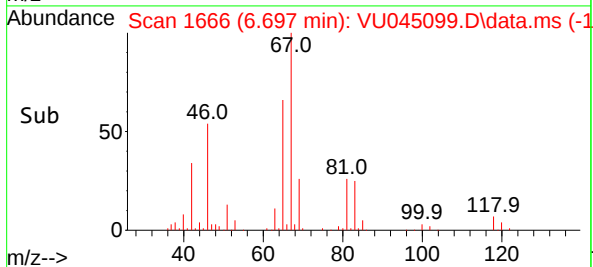
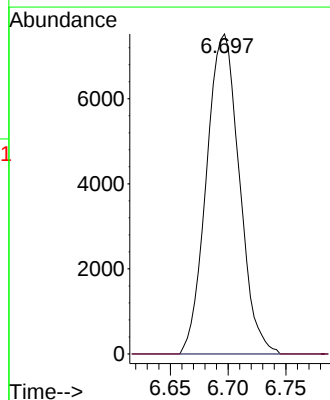
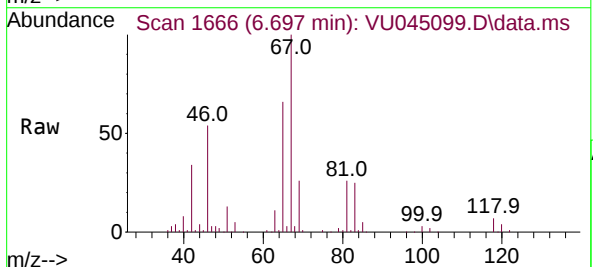
RT: 6.697 min Scan# 1666

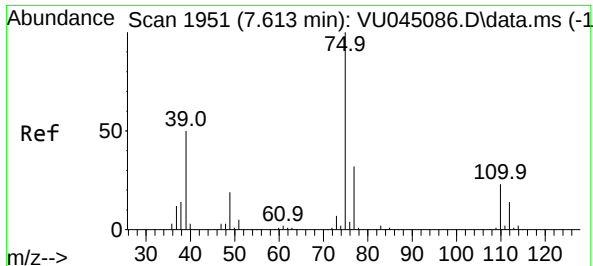
Delta R.T. -0.100 min

Lab File: VU045099.D

Acq: 04 Oct 2021 16:22

Tgt Ion:	63	Resp:	14906
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.2	4.8#



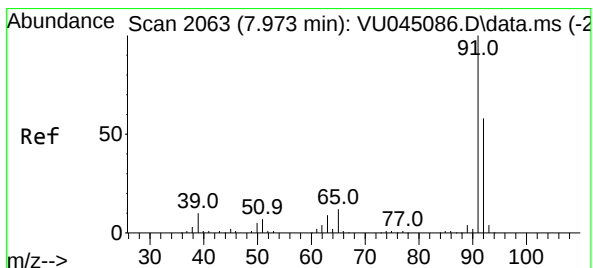
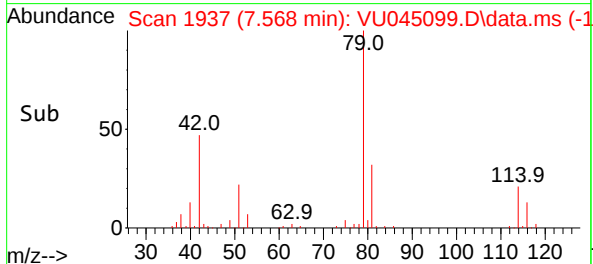
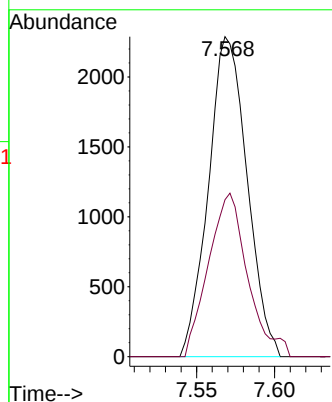
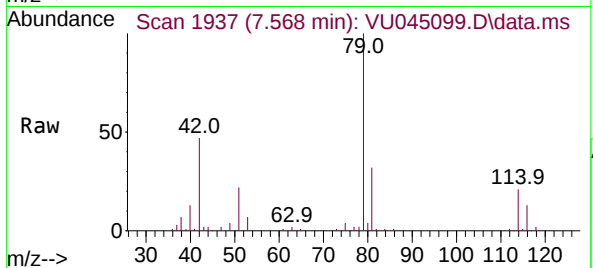


#39

cis-1,3-Dichloropropene
Concen: 1.023 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Instrument :
MSVOA_U
ClientSampled :
F4A24

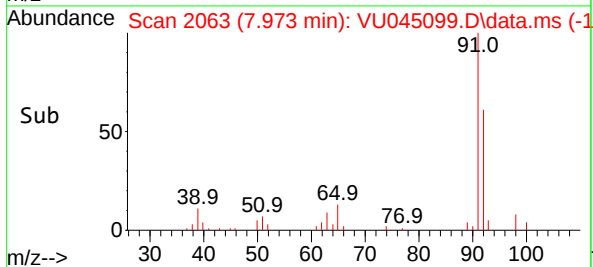
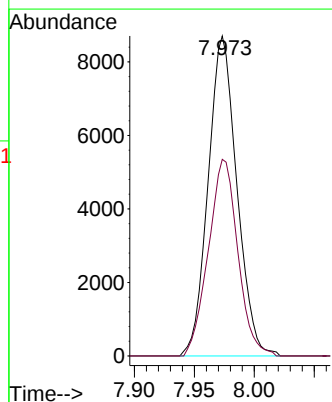
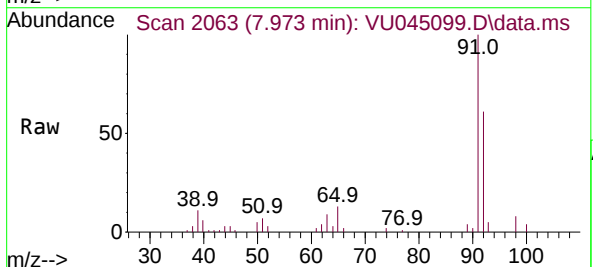
Tgt Ion: 75 Resp: 3947
Ion Ratio Lower Upper
75 100
77 49.0 22.4 41.6#

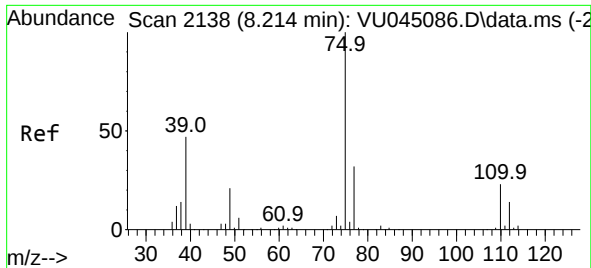


#42

Toluene
Concen: 1.442 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion: 91 Resp: 14509
Ion Ratio Lower Upper
91 100
92 61.5 40.5 75.1

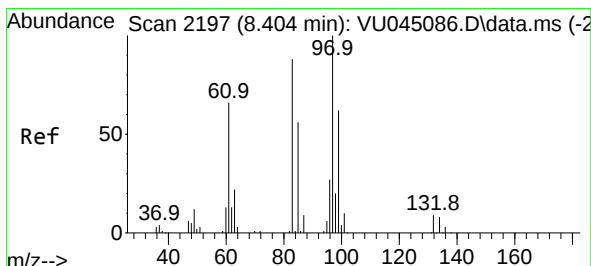
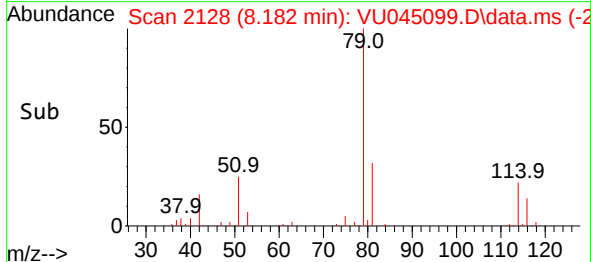
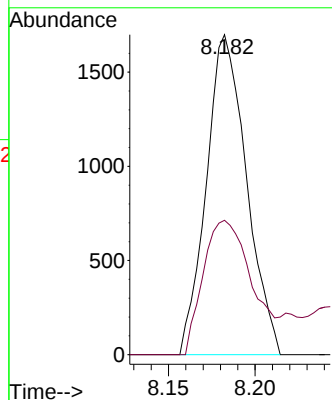
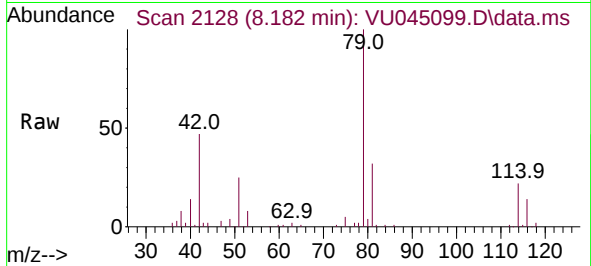




#44
trans-1,3-Dichloropropene
Concen: 0.746 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

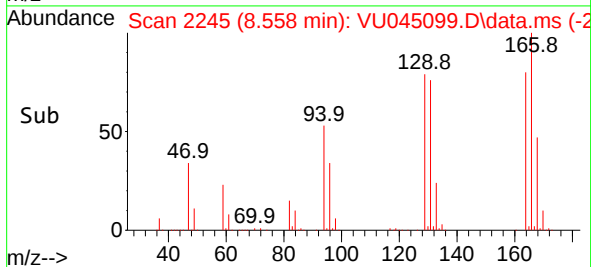
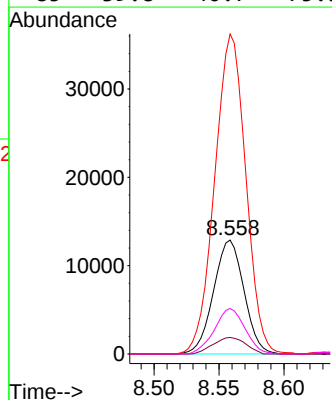
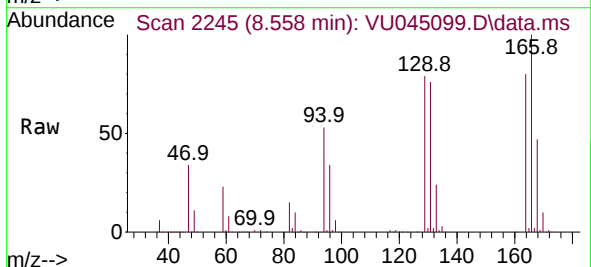
Instrument :
MSVOA_U
ClientSampleId :
F4A24

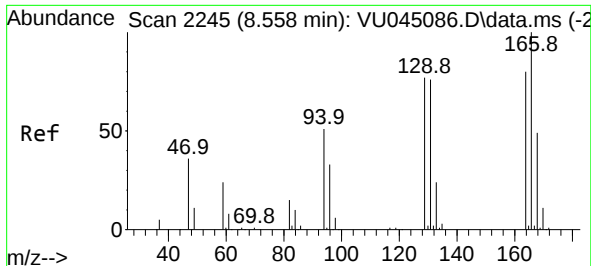
Tgt Ion: 75 Resp: 2738
Ion Ratio Lower Upper
75 100
77 42.0 21.7 40.3#



#45
1,1,2-Trichloroethane
Concen: 8.598 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.154 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

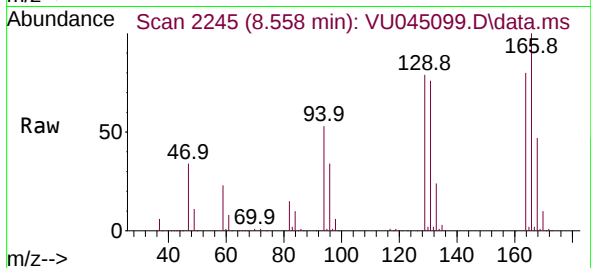
Tgt Ion: 97 Resp: 21012
Ion Ratio Lower Upper
97 100
99 14.5 43.7 81.1#
83 280.7 61.9 115.1#
85 39.8 40.7 75.5#



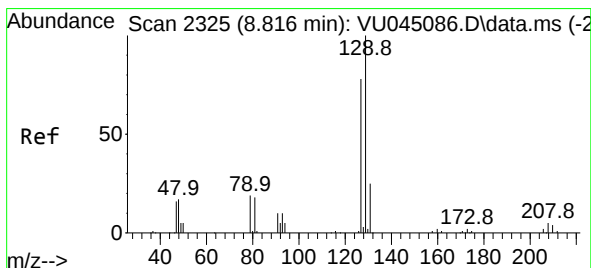
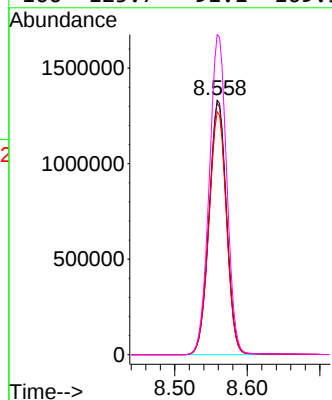
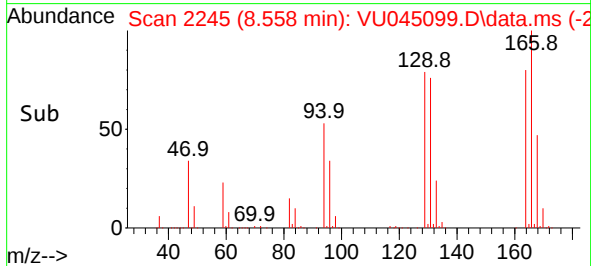


#46
Tetrachloroethene
Concen: 1313.361 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

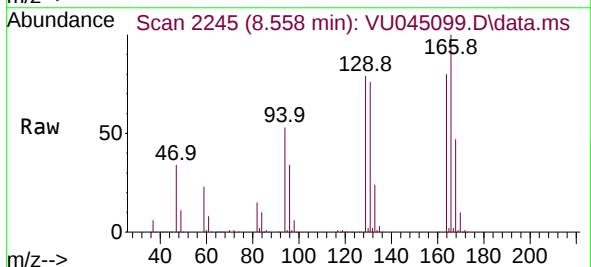
Instrument :
MSVOA_U
ClientSampleId :
F4A24



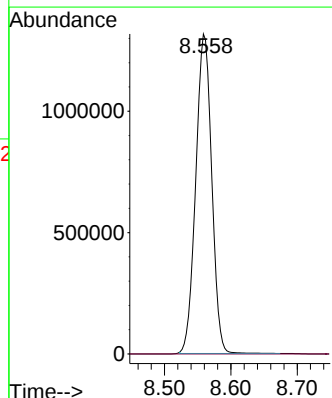
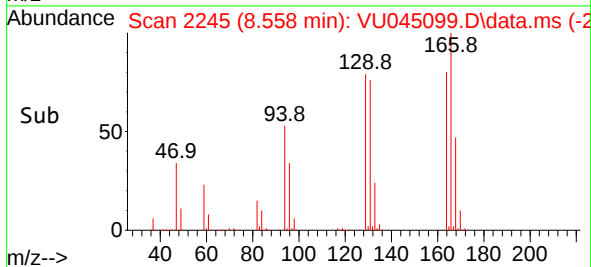
Tgt Ion:164 Resp: 2233304
Ion Ratio Lower Upper
164 100
129 99.0 69.8 129.6
131 95.5 66.4 123.2
166 125.7 91.1 169.3

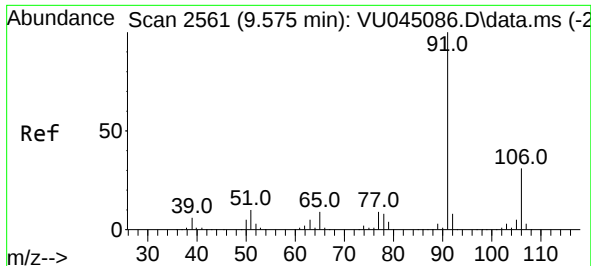


#49
Dibromochloromethane
Concen: 909.215 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.257 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22



Tgt Ion:129 Resp: 2197638
Ion Ratio Lower Upper
129 100
127 0.0 54.3 100.8#

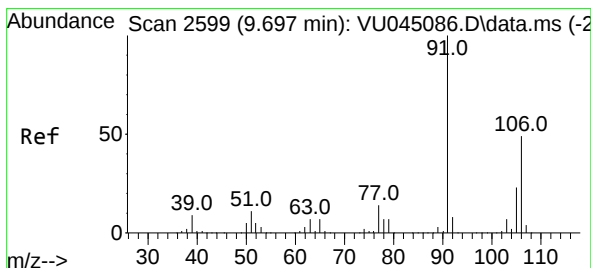
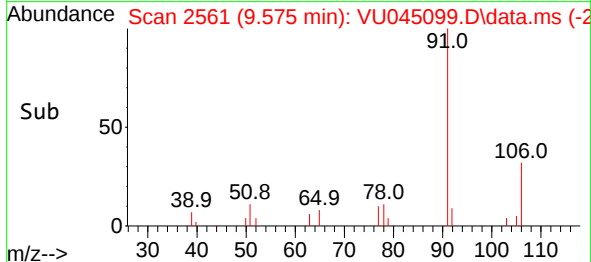
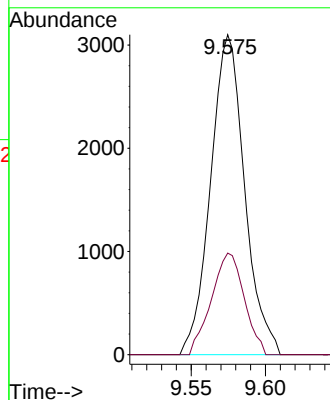
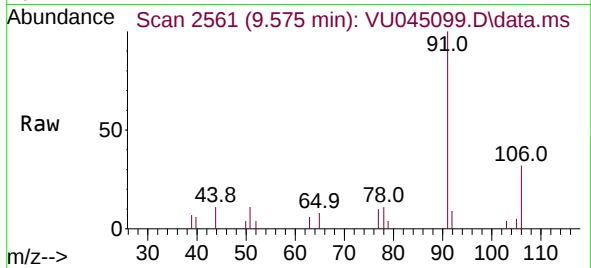




#52
Ethylbenzene
Concen: 0.465 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

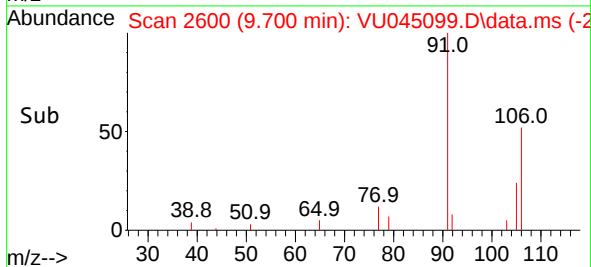
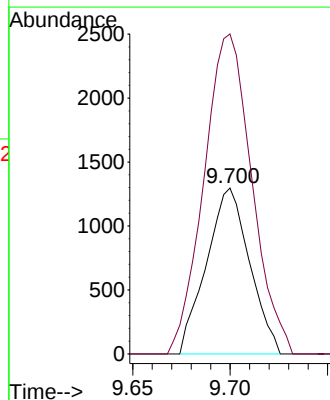
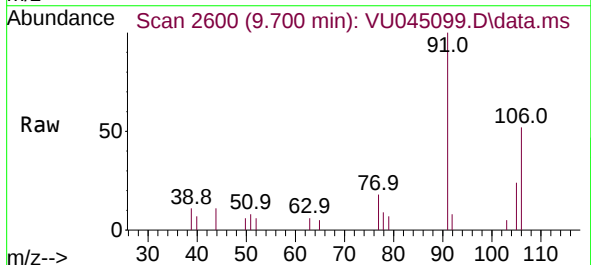
Instrument :
MSVOA_U
ClientSampled :
F4A24

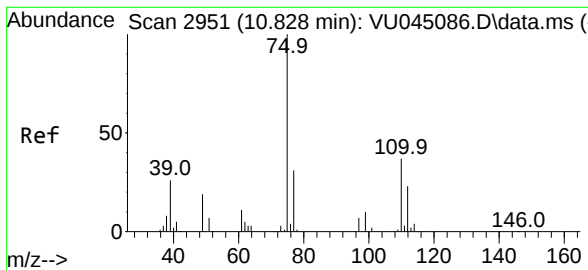
Tgt Ion: 91 Resp: 4941
Ion Ratio Lower Upper
91 100
106 31.7 21.2 39.4



#53
m,p-Xylene
Concen: 0.495 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Tgt Ion: 106 Resp: 1995
Ion Ratio Lower Upper
106 100
91 192.8 146.7 272.4

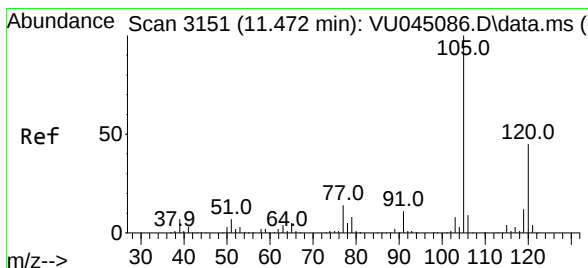
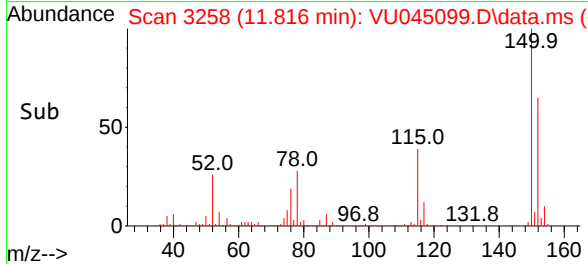
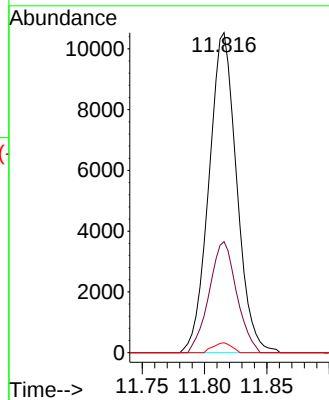
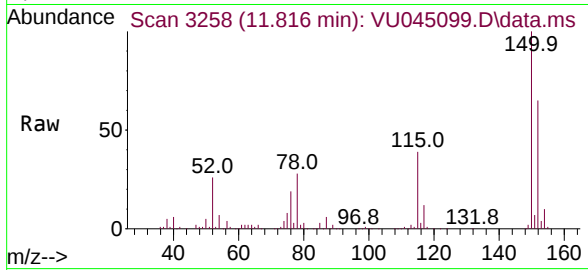




#60
1,2,3-Trichloropropane
Concen: 4.752 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.987 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

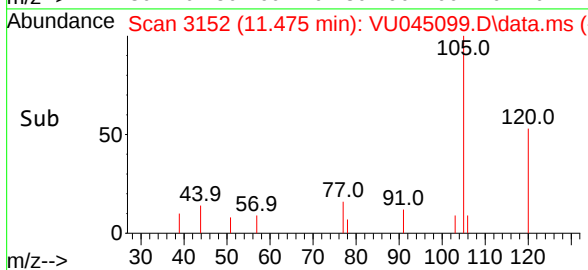
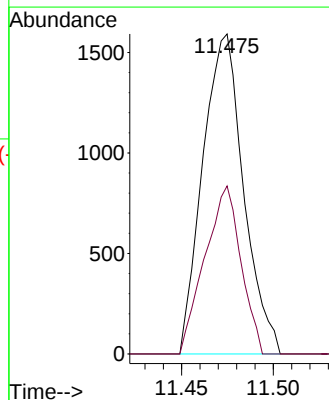
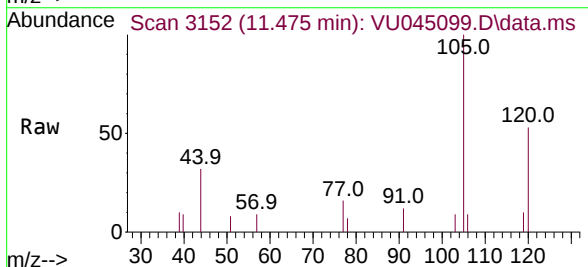
Instrument :
MSVOA_U
ClientSampled :
F4A24

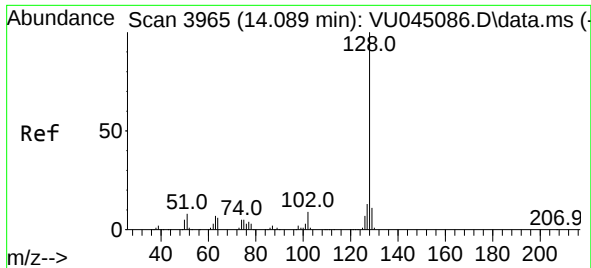
Tgt Ion: 75 Resp: 16324
Ion Ratio Lower Upper
75 100
77 34.4 25.5 38.3
110 2.1 29.0 43.4#



#63
1,2,4-Trimethylbenzene
Concen: 0.317 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

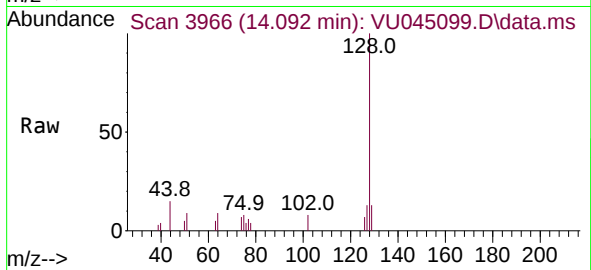
Tgt Ion: 105 Resp: 2462
Ion Ratio Lower Upper
105 100
120 46.3 35.7 53.5





#71
Naphthalene
Concen: 0.825 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045099.D
Acq: 04 Oct 2021 16:22

Instrument :
MSVOA_U
ClientSampleId :
F4A24



Tgt Ion:	128	Resp:	6924
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.4	15.6
129	9.8	8.8	13.2

