

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045096.D
 Acq On : 04 Oct 2021 15:12
 Operator : SY/MD
 Sample : M3996-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A16

Quant Time: Oct 05 02:45:29 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	288806	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	272498	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	135949	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	130740	41.353	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.700%		
7) Chloroethane-d5	1.900	69	111711	44.589	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.180%		
11) 1,1-Dichloroethene-d2	2.565	63	177260	33.386	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.780%		
21) 2-Butanone-d5	4.623	46	232547	93.039	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.040%		
24) Chloroform-d	5.067	84	220649	44.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.380%		
26) 1,2-Dichloroethane-d4	5.704	65	155654	46.020	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.040%		
32) Benzene-d6	5.729	84	468792	49.578	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.160%		
36) 1,2-Dichloropropane-d6	6.694	67	148047	48.018	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.040%		
41) Toluene-d8	7.900	98	417754	51.195	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.400%		
43) trans-1,3-Dichloroprop...	8.183	79	69020	50.325	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.660%		
47) 2-Hexanone-d5	8.636	63	175824	102.906	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	102.910%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	235627	49.078	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.160%		
66) 1,2-Dichlorobenzene-d4	12.195	152	157556	53.253	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.500%		
Target Compounds						Qvalue
8) Chloroethane	1.842	64	4920	2.321	ug/L #	53
18) Methyl tert-butyl Ether	3.366	73	21496	2.767	ug/L	94
25) Chloroform	5.093	83	2524	0.518	ug/L	80
33) Benzene	5.778	78	102513	10.143	ug/L	100
34) Trichloroethene	6.546	95	3874	1.596	ug/L	94
37) 1,2-Dichloropropane	6.694	63	16377	5.951	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	4434	1.126	ug/L #	65
42) Toluene	7.974	91	89087	8.675	ug/L	98
44) trans-1,3-Dichloropropene	8.183	75	3067	0.819	ug/L #	74
46) Tetrachloroethene	8.559	164	1854562	1068.830	ug/L	98
49) Dibromochloromethane	8.559	129	1812185	734.757	ug/L #	11
52) Ethylbenzene	9.575	91	48927	4.510	ug/L	100
53) m,p-Xylene	9.700	106	18616	4.530	ug/L	94
54) o-xylene	10.102	106	13335	3.302	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	4962	0.597	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	28516	3.351	ug/L	100
71) Naphthalene	14.089	128	111694	12.156	ug/L	99

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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

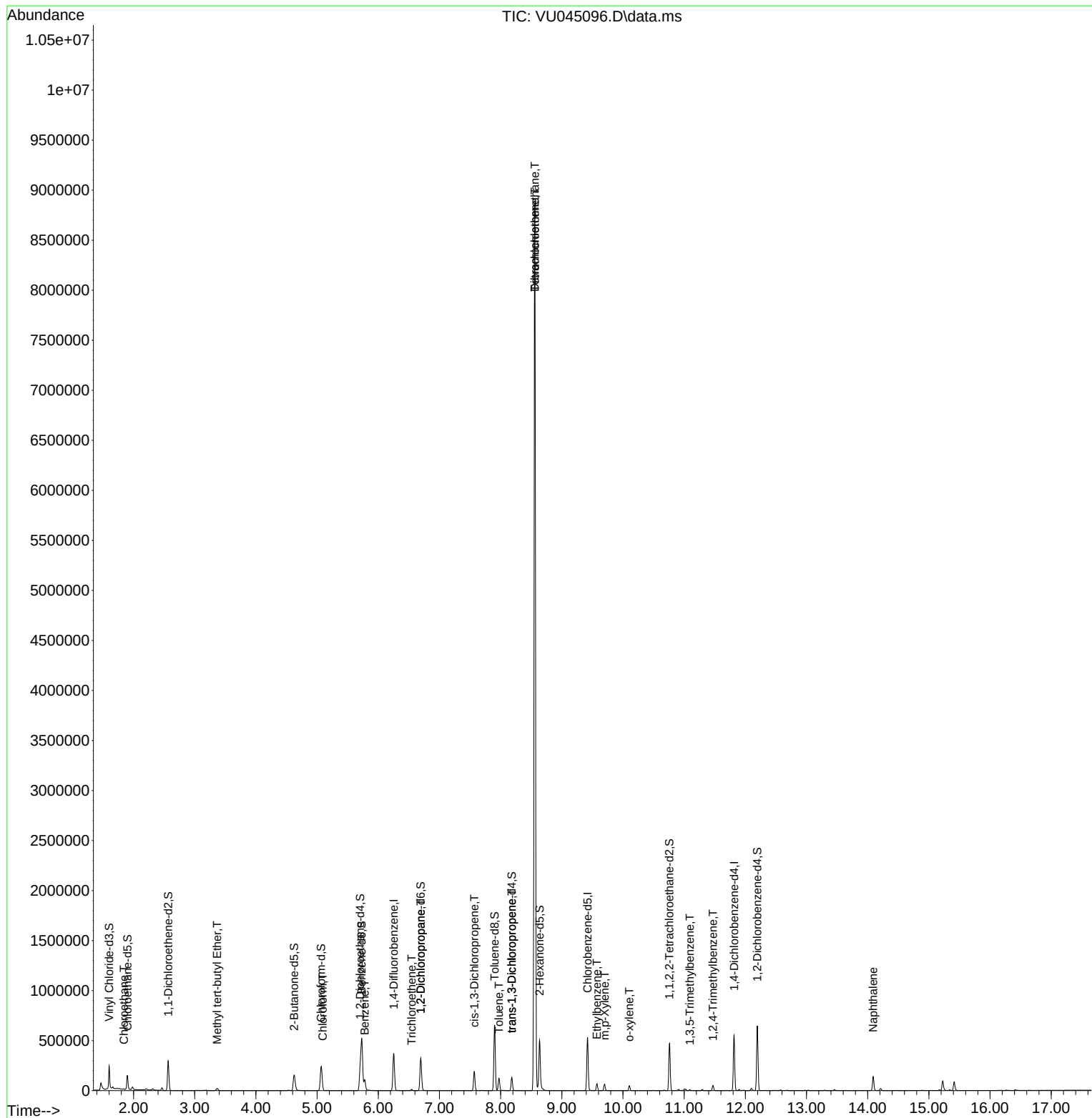
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

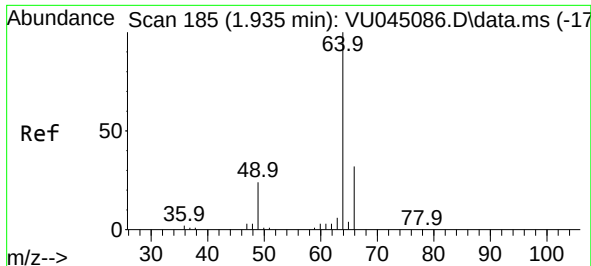
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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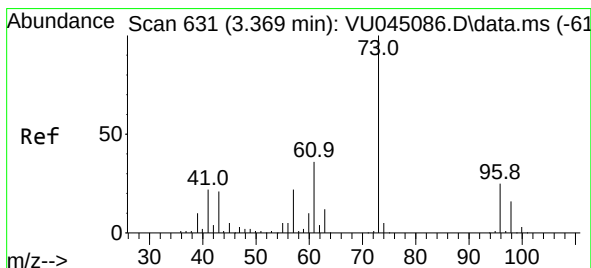
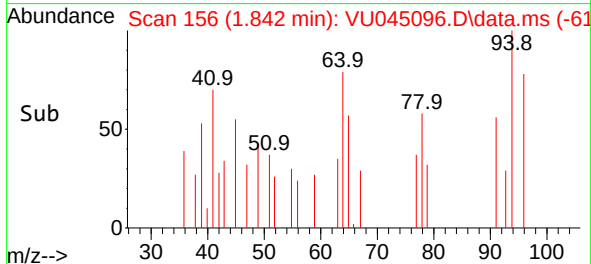
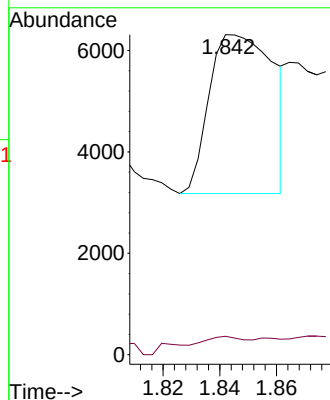
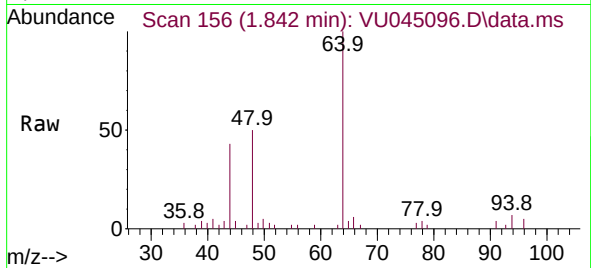




#8
Chloroethane
Concen: 2.321 ug/L
RT: 1.842 min Scan# 156
Delta R.T. -0.093 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

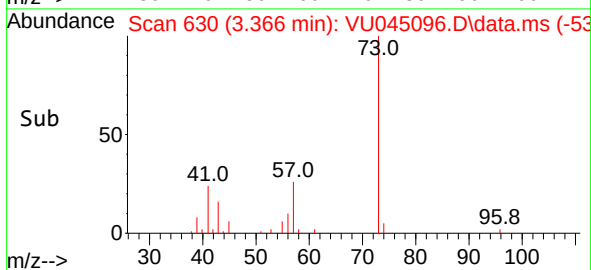
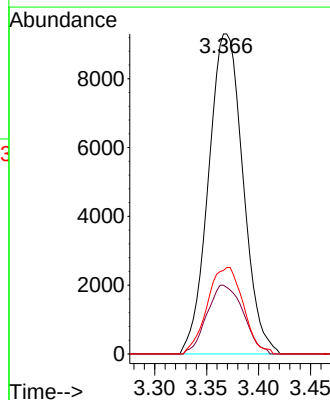
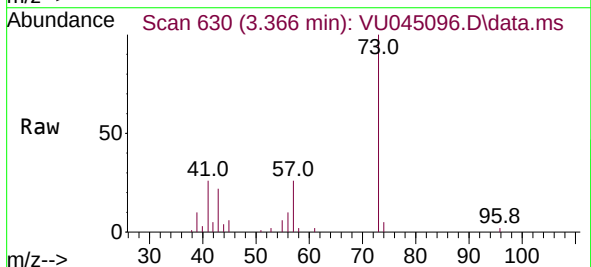
Instrument :
MSVOA_U
ClientSampleId :
F4A16

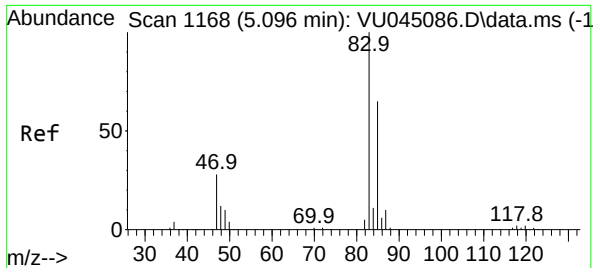
Tgt Ion: 64 Resp: 4920
Ion Ratio Lower Upper
64 100
66 5.8 22.3 41.3#



#18
Methyl tert-butyl Ether
Concen: 2.767 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.003 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Tgt Ion: 73 Resp: 21496
Ion Ratio Lower Upper
73 100
43 22.5 17.3 25.9
57 27.9 18.7 28.1





#25

Chloroform

Concen: 0.518 ug/L

RT: 5.093 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU045096.D

Acq: 04 Oct 2021 15:12

Instrument :

MSVOA_U

ClientSampleId :

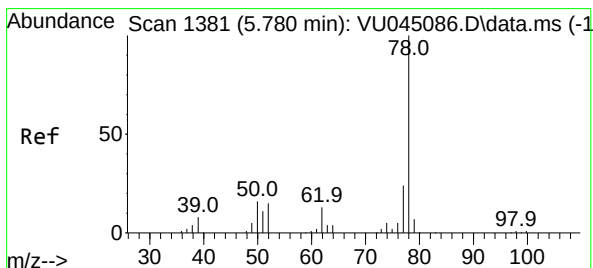
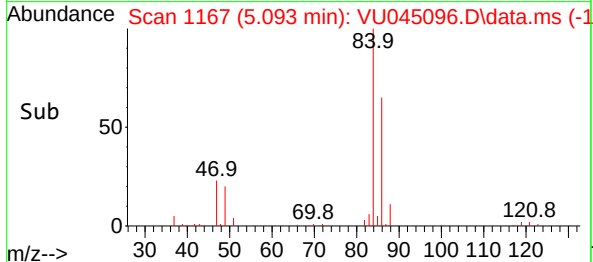
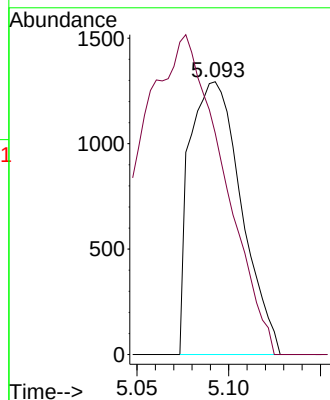
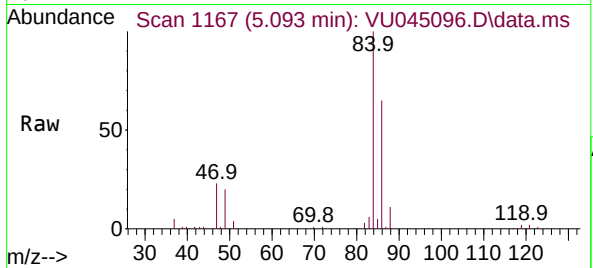
F4A16

Tgt Ion: 83 Resp: 2524

Ion Ratio Lower Upper

83 100

85 81.1 45.6 84.6



#33

Benzene

Concen: 10.143 ug/L

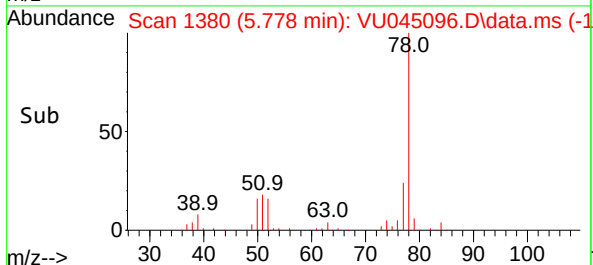
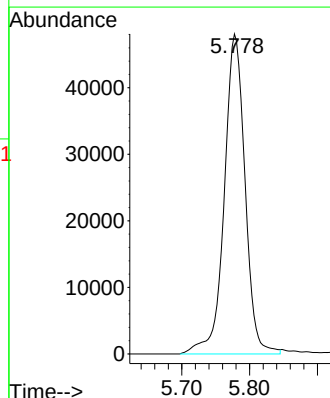
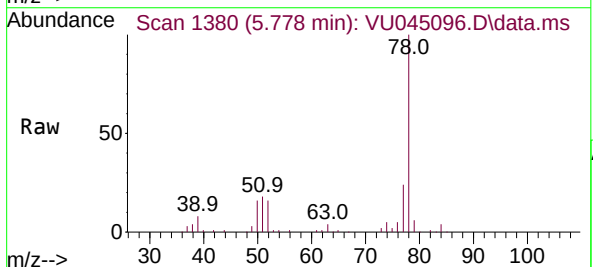
RT: 5.778 min Scan# 1380

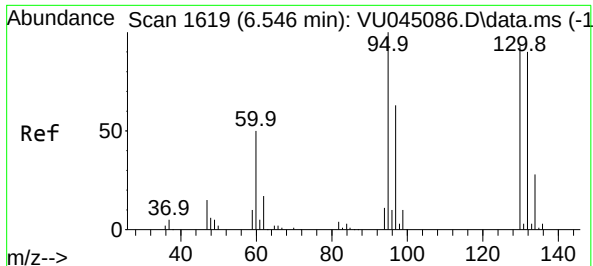
Delta R.T. -0.003 min

Lab File: VU045096.D

Acq: 04 Oct 2021 15:12

Tgt Ion: 78 Resp: 102513



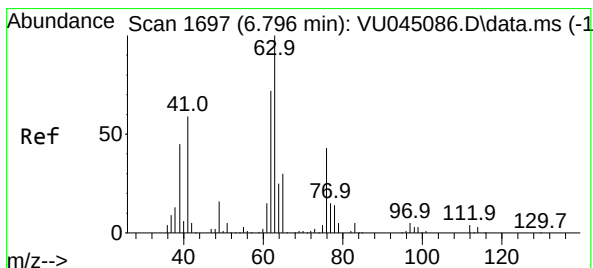
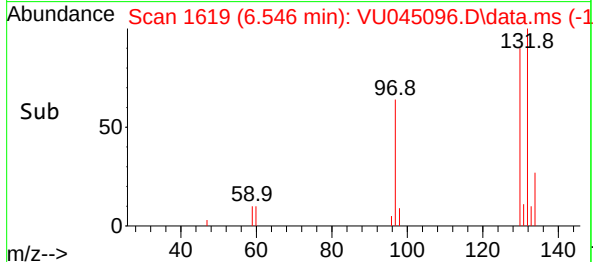
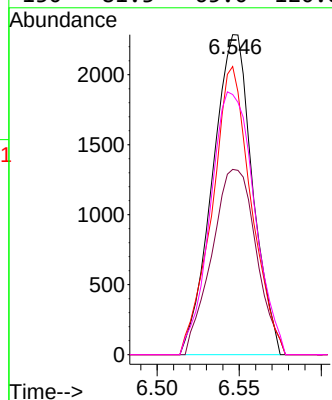
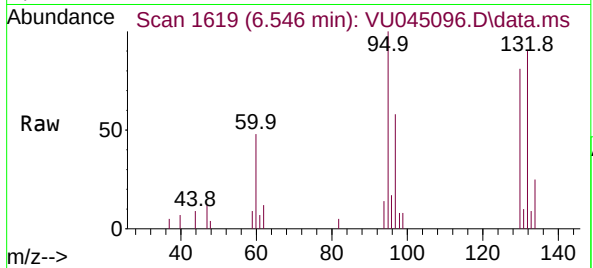


#34
Trichloroethene
Concen: 1.596 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Instrument :
MSVOA_U
ClientSampleId :
F4A16

Tgt Ion: 95 Resp: 3874

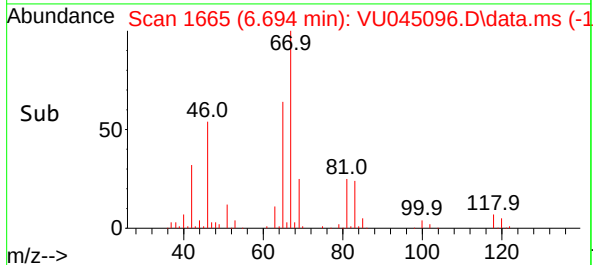
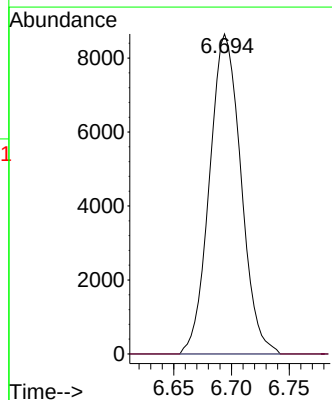
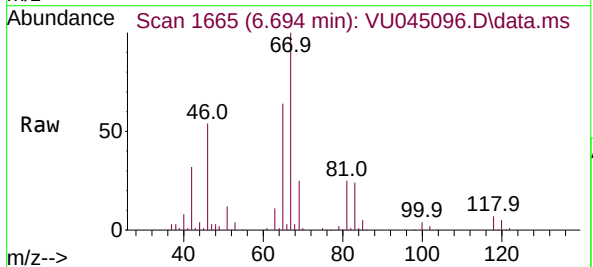
Ion	Ratio	Lower	Upper
95	100		
97	57.9	44.4	82.4
132	90.1	62.9	116.9
130	81.3	65.0	120.8

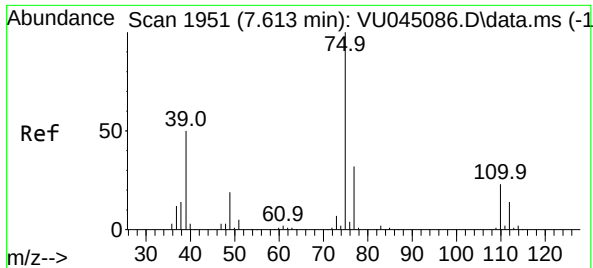


#37
1,2-Dichloropropane
Concen: 5.951 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Tgt Ion: 63 Resp: 16377

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#



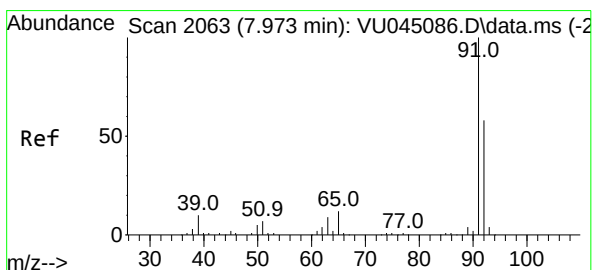
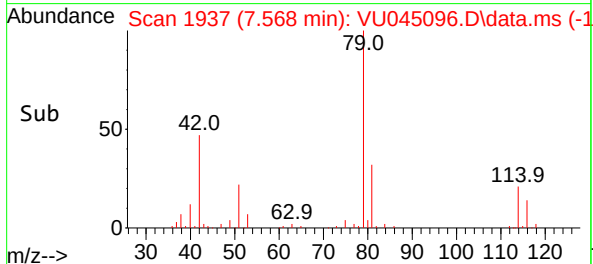
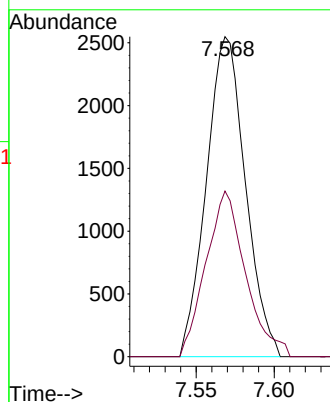
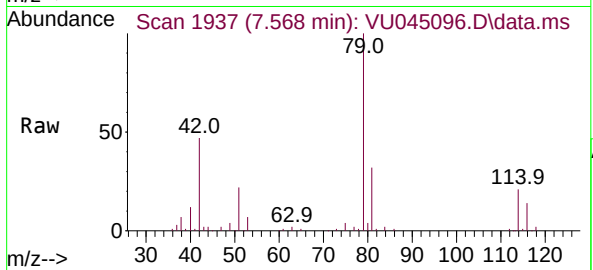


#39

cis-1,3-Dichloropropene
Concen: 1.126 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.045 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Instrument :
MSVOA_U
ClientSampled :
F4A16

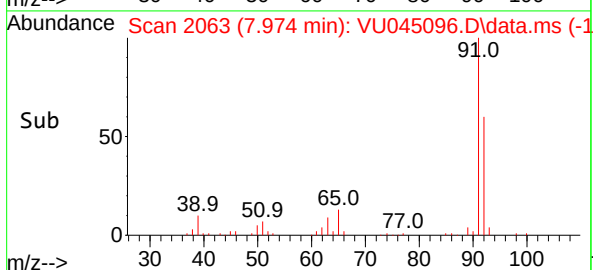
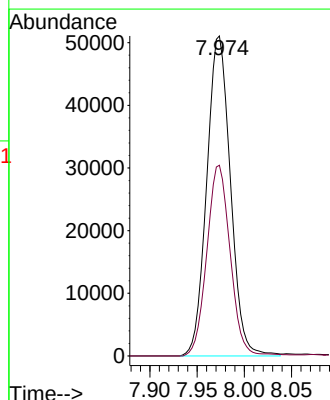
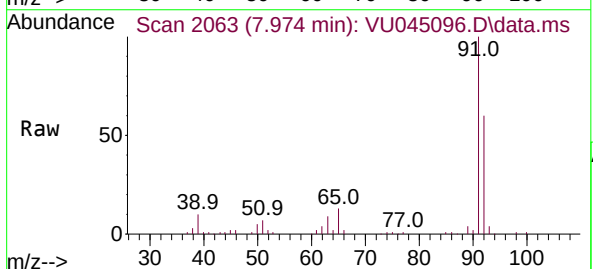
Tgt Ion: 75 Resp: 4434
Ion Ratio Lower Upper
75 100
77 51.8 22.4 41.6#

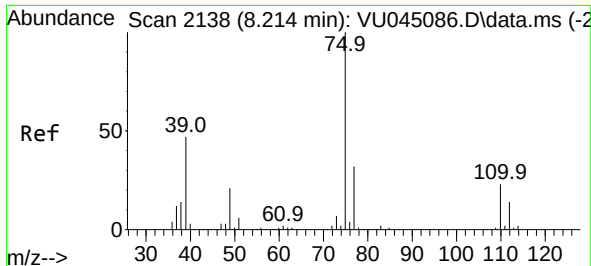


#42

Toluene
Concen: 8.675 ug/L
RT: 7.974 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Tgt Ion: 91 Resp: 89087
Ion Ratio Lower Upper
91 100
92 59.6 40.5 75.1

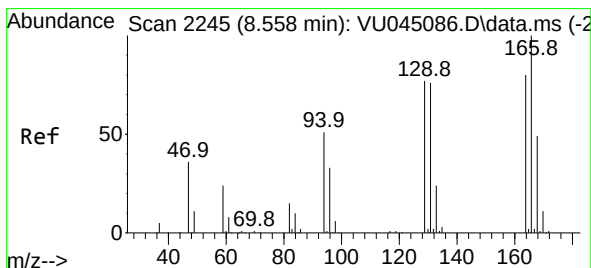
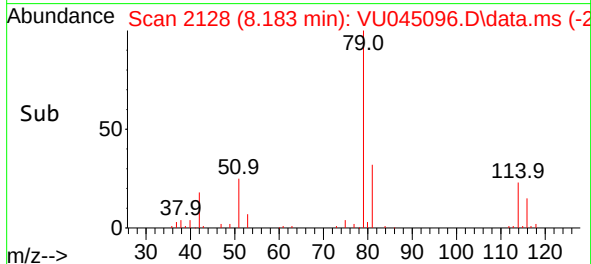
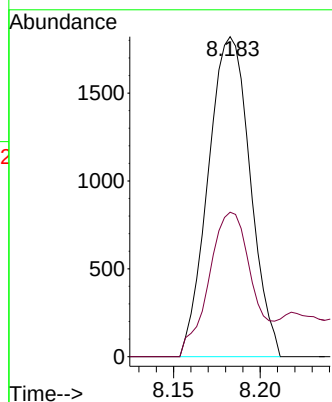
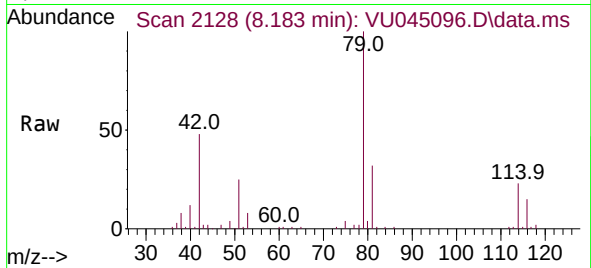




#44
trans-1,3-Dichloropropene
Concen: 0.819 ug/L
RT: 8.183 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

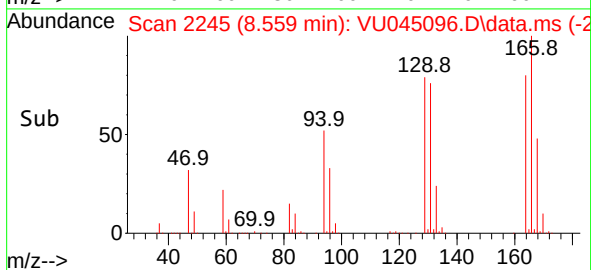
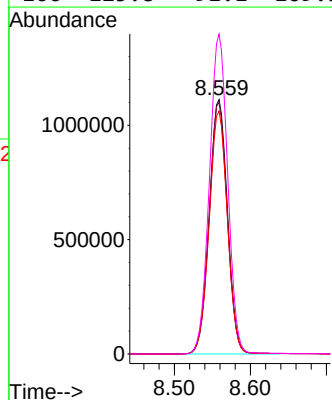
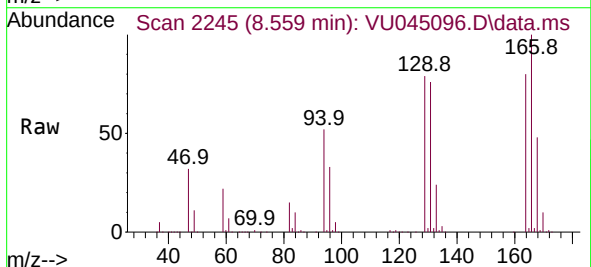
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F4A16

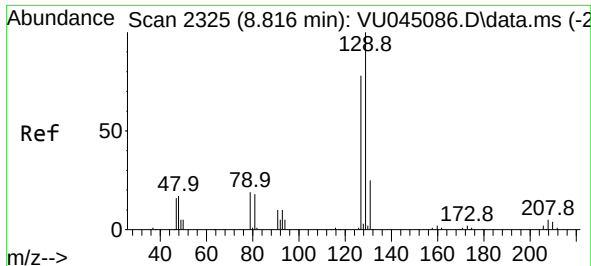
Tgt Ion: 75 Resp: 3067
Ion Ratio Lower Upper
75 100
77 45.1 21.7 40.3#



#46
Tetrachloroethene
Concen: 1068.830 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Tgt Ion:164 Resp: 1854562
Ion Ratio Lower Upper
164 100
129 98.8 69.8 129.6
131 95.4 66.4 123.2
166 125.8 91.1 169.3





#49

Dibromochloromethane

Concen: 734.757 ug/L

RT: 8.559 min Scan# 2245

Delta R.T. -0.257 min

Lab File: VU045096.D

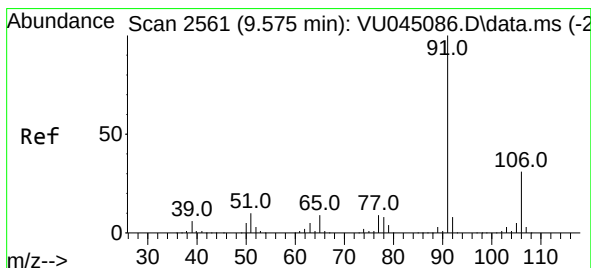
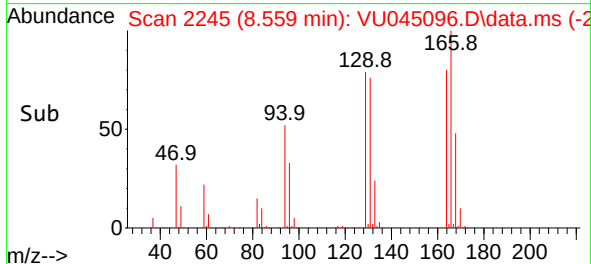
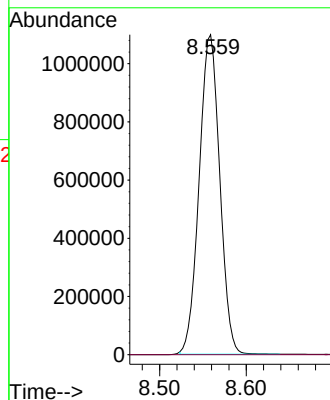
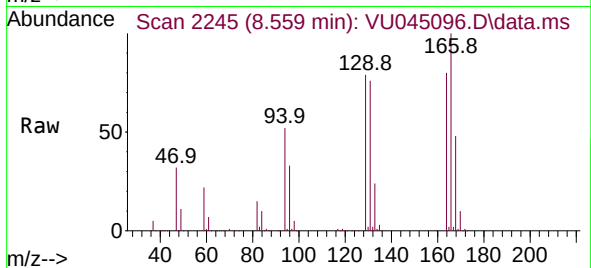
Acq: 04 Oct 2021 15:12

Tgt Ion:129 Resp: 1812185

Ion Ratio Lower Upper

129 100

127 0.0 54.3 100.8#



#52

Ethylbenzene

Concen: 4.510 ug/L

RT: 9.575 min Scan# 2561

Delta R.T. 0.000 min

Lab File: VU045096.D

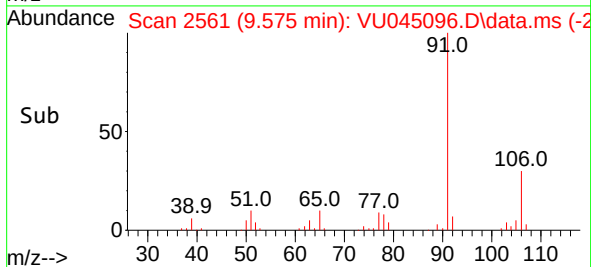
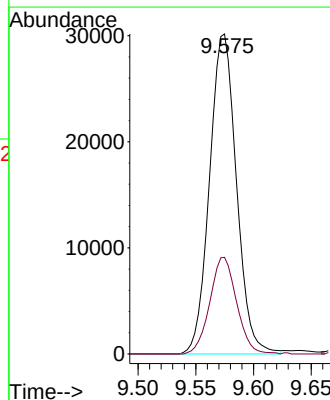
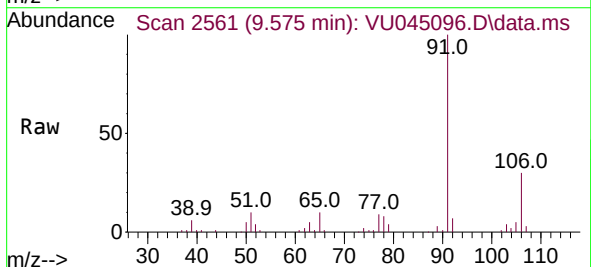
Acq: 04 Oct 2021 15:12

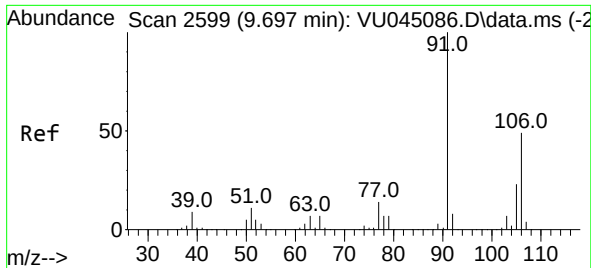
Tgt Ion: 91 Resp: 48927

Ion Ratio Lower Upper

91 100

106 30.2 21.2 39.4

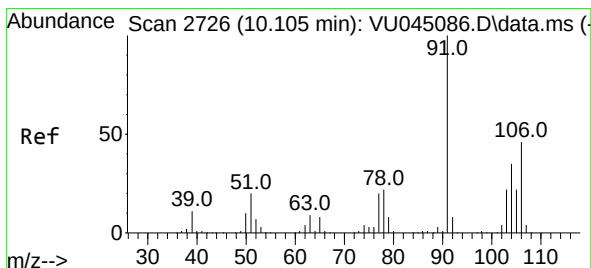
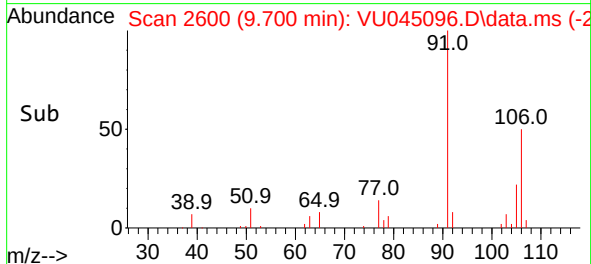
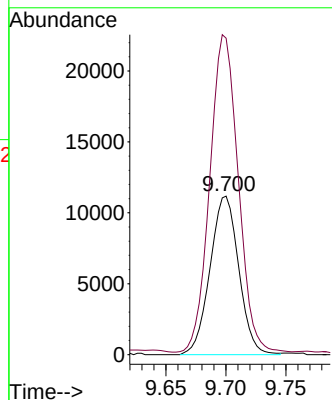
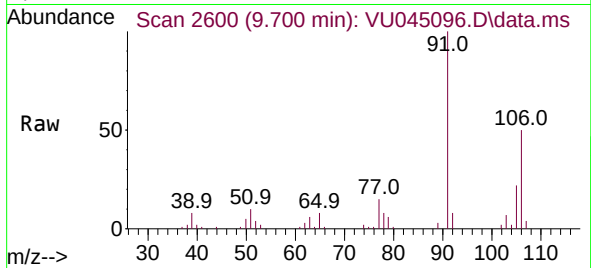




#53
m,p-Xylene
Concen: 4.530 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.004 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

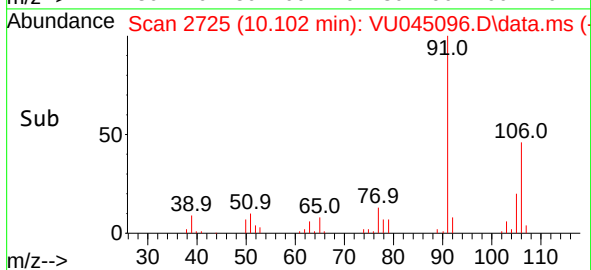
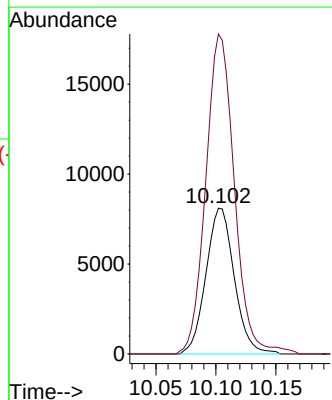
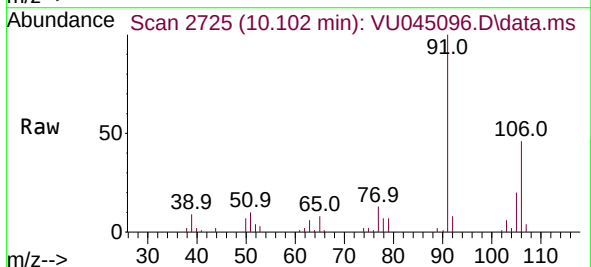
Instrument :
MSVOA_U
ClientSampled :
F4A16

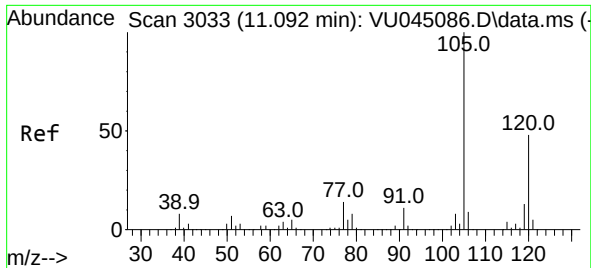
Tgt Ion:106 Resp: 18616
Ion Ratio Lower Upper
106 100
91 199.5 146.7 272.4



#54
o-xylene
Concen: 3.302 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Tgt Ion:106 Resp: 13335
Ion Ratio Lower Upper
106 100
91 219.5 152.9 283.9

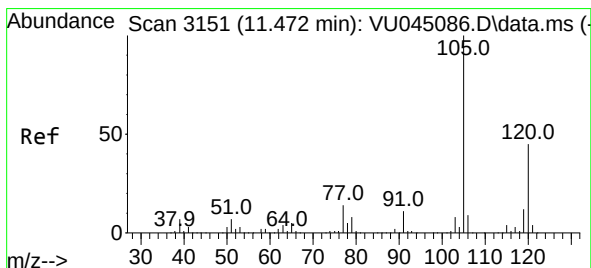
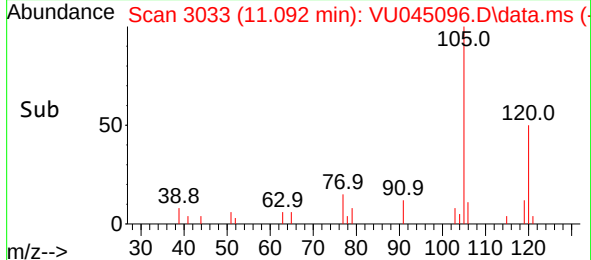
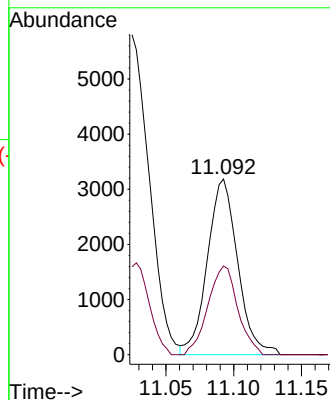
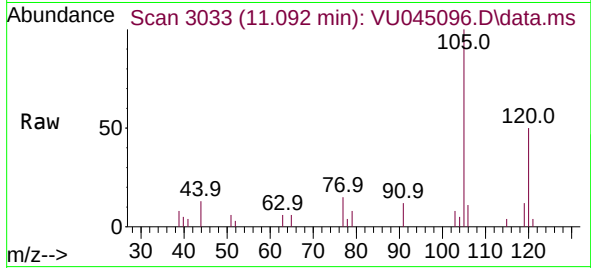




#62
1,3,5-Trimethylbenzene
Concen: 0.597 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. 0.000 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

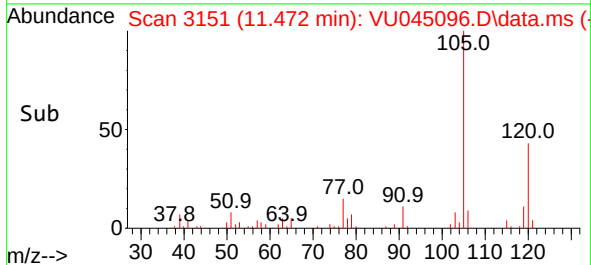
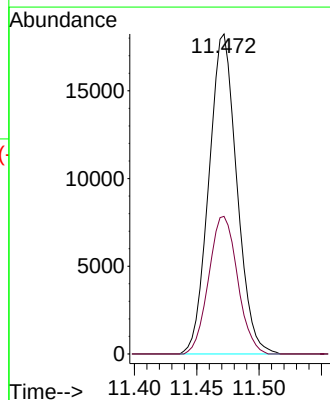
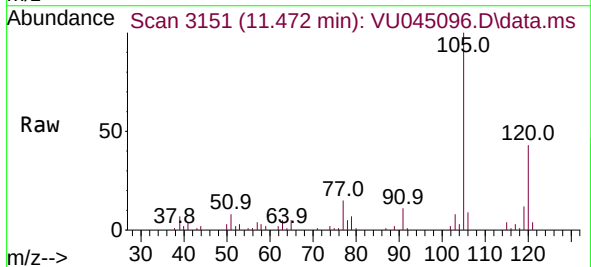
Instrument :
MSVOA_U
ClientSampled :
F4A16

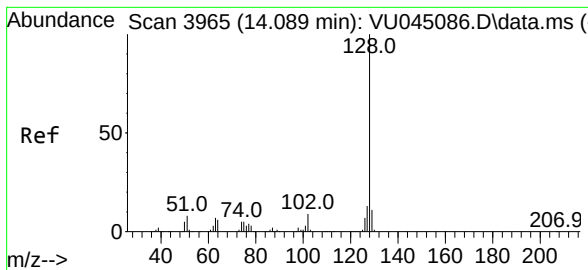
Tgt Ion:105 Resp: 4962
Ion Ratio Lower Upper
105 100
120 49.5 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 3.351 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

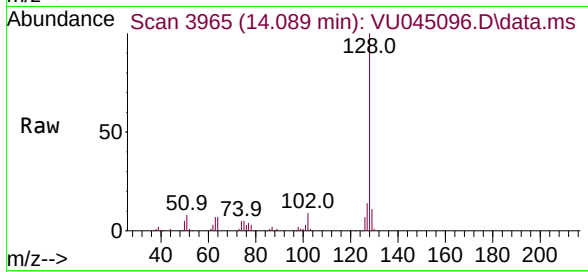
Tgt Ion:105 Resp: 28516
Ion Ratio Lower Upper
105 100
120 44.3 35.7 53.5





#71
Naphthalene
Concen: 12.156 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045096.D
Acq: 04 Oct 2021 15:12

Instrument :
MSVOA_U
ClientSampleId :
F4A16



Tgt Ion:128 Resp: 111694
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.8 8.8 13.2

