

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045158.D
 Acq On : 05 Oct 2021 20:27
 Operator : SY/MD
 Sample : M4023-03DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A14DL

Quant Time: Oct 06 01:48:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 01:40:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	311260	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	290949	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	138028	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	115395	33.866	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.740%		
7) Chloroethane-d5	1.909	69	103434	38.307	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.620%		
11) 1,1-Dichloroethene-d2	2.568	63	167260	29.230	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.460%#		
21) 2-Butanone-d5	4.626	46	231145	85.807	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.810%		
24) Chloroform-d	5.070	84	218529	40.607	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.220%		
26) 1,2-Dichloroethane-d4	5.706	65	156022	42.801	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.600%		
32) Benzene-d6	5.732	84	453444	44.914	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.820%		
36) 1,2-Dichloropropane-d6	6.693	67	144282	43.829	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.660%		
41) Toluene-d8	7.902	98	396117	45.465	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.940%		
43) trans-1,3-Dichloroprop...	8.182	79	65509	44.736	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.480%		
47) 2-Hexanone-d5	8.636	63	163637	89.699	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.700%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	216839	42.301	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.600%		
66) 1,2-Dichlorobenzene-d4	12.195	152	146229	48.680	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.360%		
Target Compounds					Qvalue	
27) 1,2-Dichloroethane	5.780	62	15736	3.583	ug/L #	75
29) Cyclohexane	5.391	56	11718	2.679	ug/L #	92
33) Benzene	5.780	78	1613945	149.562	ug/L	100
35) Methylcyclohexane	6.767	83	3953	0.911	ug/L	92
37) 1,2-Dichloropropane	6.693	63	16891	5.749	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	4146	0.986	ug/L #	59
42) Toluene	7.973	91	1022032	93.214	ug/L	98
44) trans-1,3-Dichloropropene	8.182	75	2829	0.708	ug/L #	74
48) 2-Hexanone	8.636	43	19306	4.436	ug/L #	69
52) Ethylbenzene	9.574	91	383400	33.101	ug/L	100
53) m,p-Xylene	9.697	106	126281	28.780	ug/L	98
54) o-xylene	10.105	106	111732	25.913	ug/L	96
55) Styrene	10.105	104	5739	0.774	ug/L #	1
61) Isopropylbenzene	10.488	105	10403	1.030	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	26765	3.173	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	129382	14.977	ug/L	99
71) Naphthalene	14.089	128	47543	5.096	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Wed Oct 06 01:40:56 2021
Response via : Initial Calibration

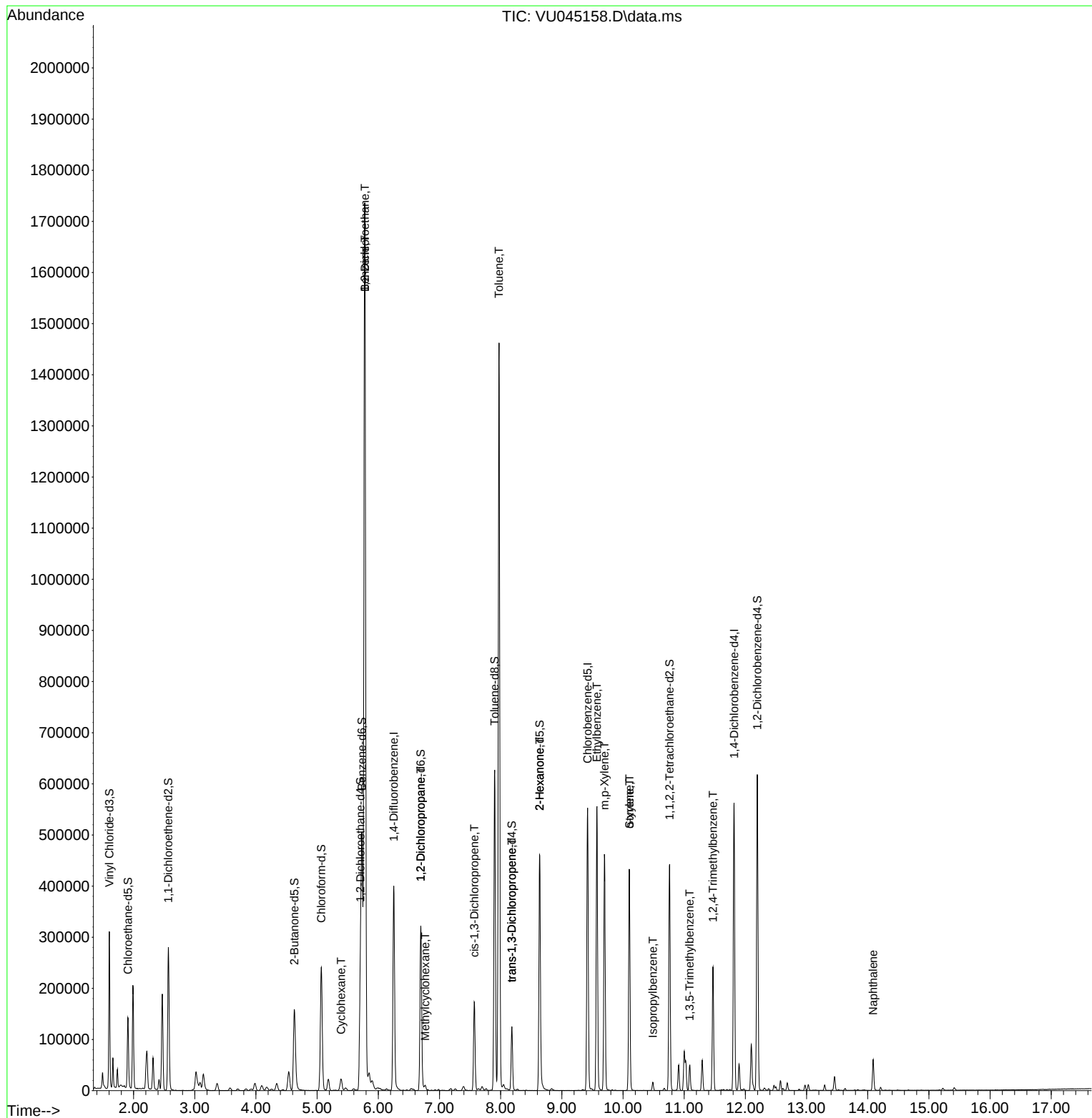
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

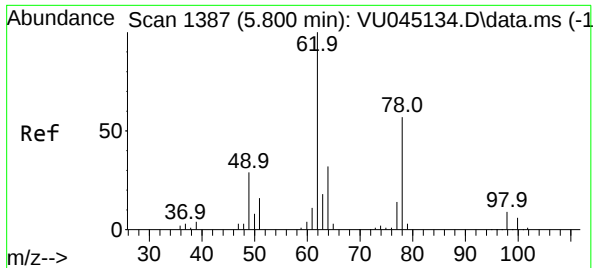
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#27

1,2-Dichloroethane

Concen: 3.583 ug/L

RT: 5.780 min Scan# 1381

Delta R.T. -0.019 min

Lab File: VU045158.D

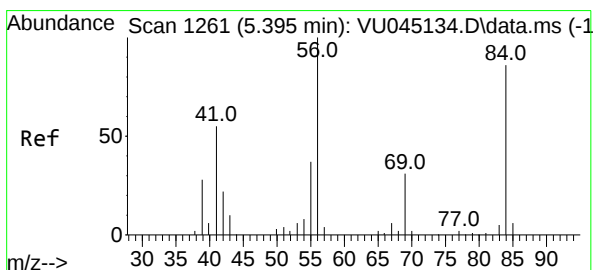
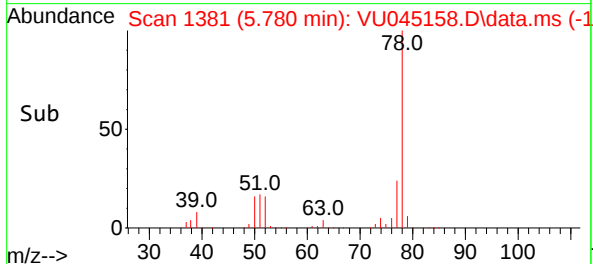
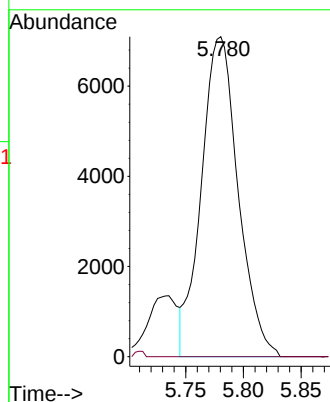
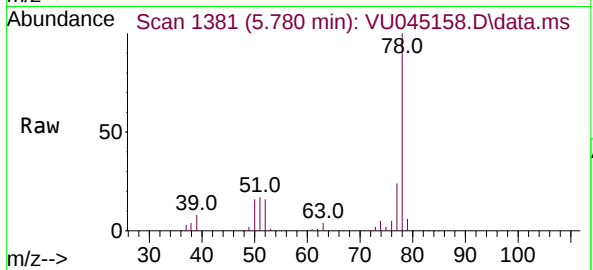
Acq: 05 Oct 2021 20:27

Tgt Ion: 62 Resp: 15736

Ion Ratio Lower Upper

62 100

98 0.0 7.1 10.7#



#29

Cyclohexane

Concen: 2.679 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.003 min

Lab File: VU045158.D

Acq: 05 Oct 2021 20:27

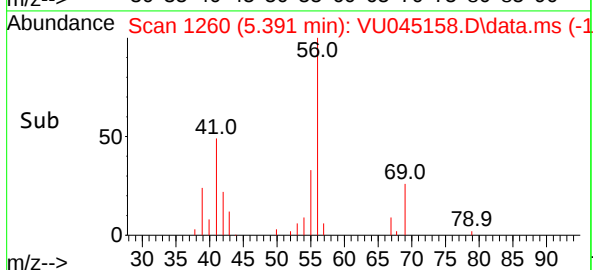
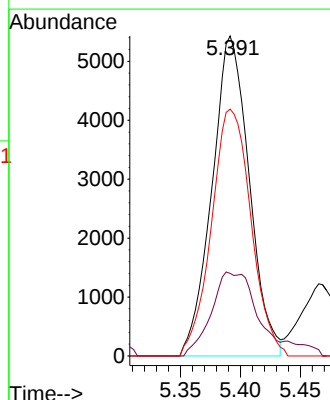
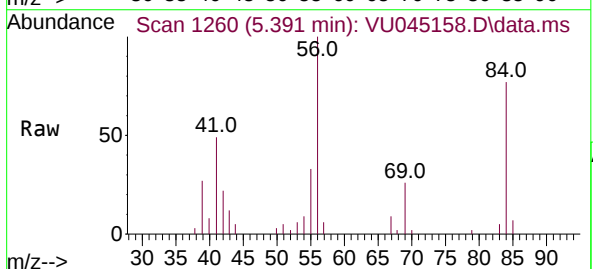
Tgt Ion: 56 Resp: 11718

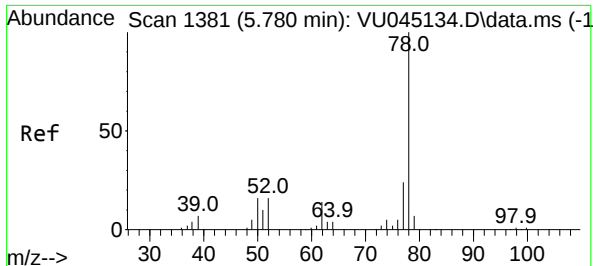
Ion Ratio Lower Upper

56 100

69 16.5 23.8 35.8#

84 81.7 66.8 100.2

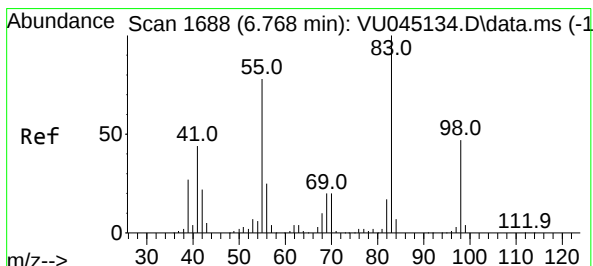
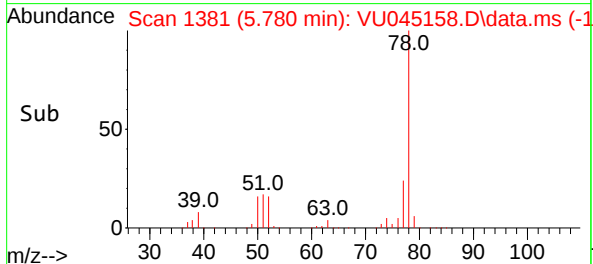
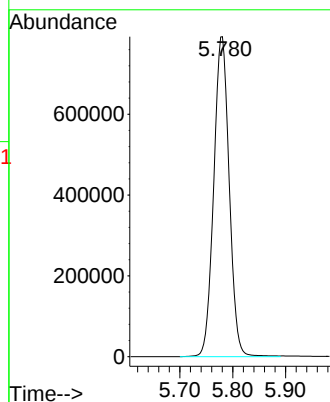
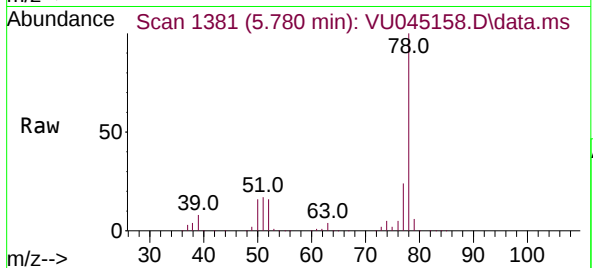




#33
Benzene
Concen: 149.562 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

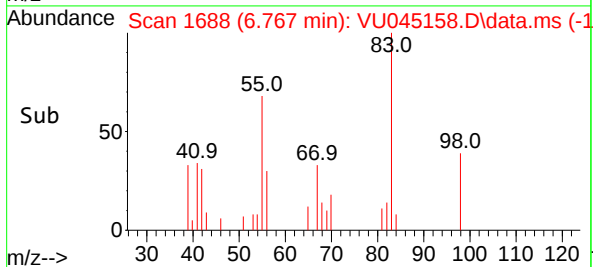
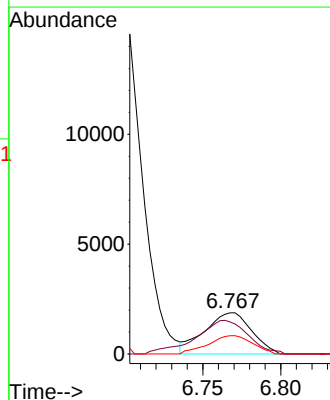
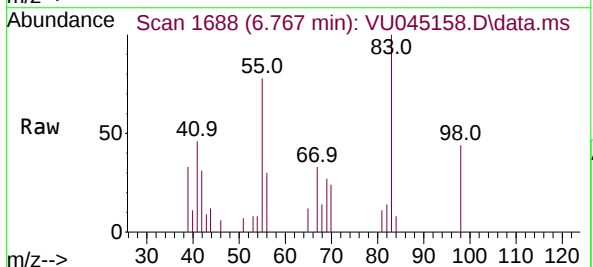
Tgt Ion: 78 Resp: 1613945

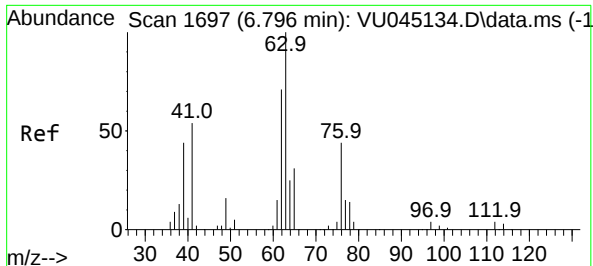


#35
Methylcyclohexane
Concen: 0.911 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion: 83 Resp: 3953

Ion	Ratio	Lower	Upper
83	100		
55	90.4	65.8	98.6
98	41.5	37.1	55.7



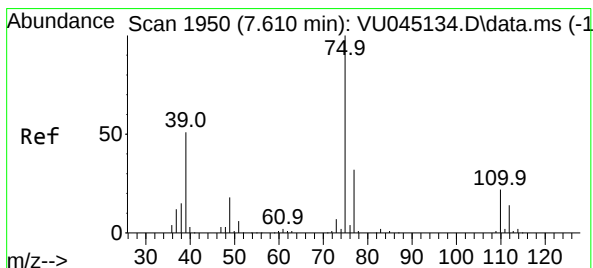
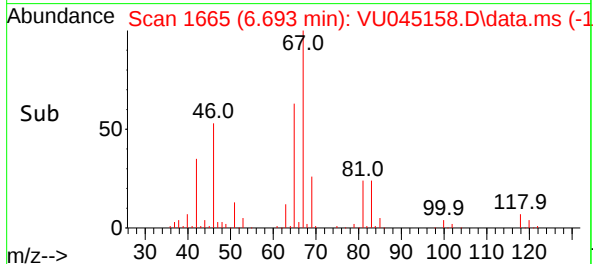
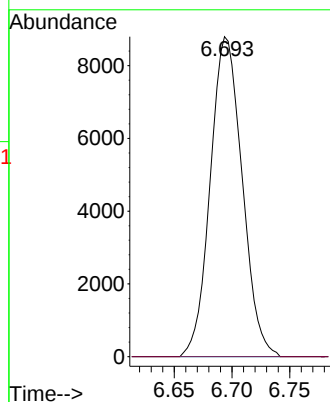
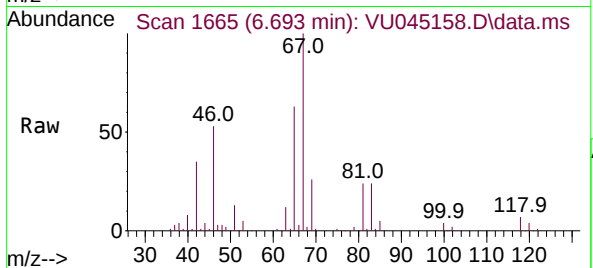


#37

1,2-Dichloropropane
Concen: 5.749 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Instrument :
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F4A14DL

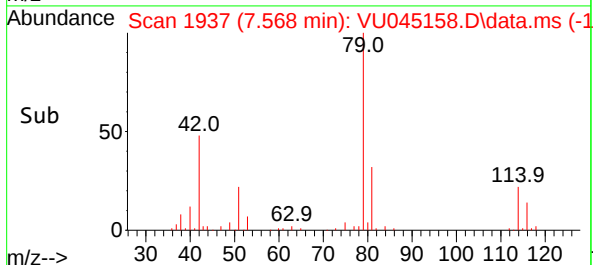
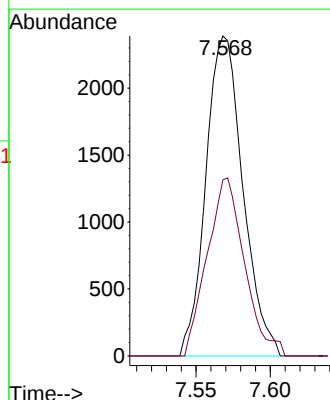
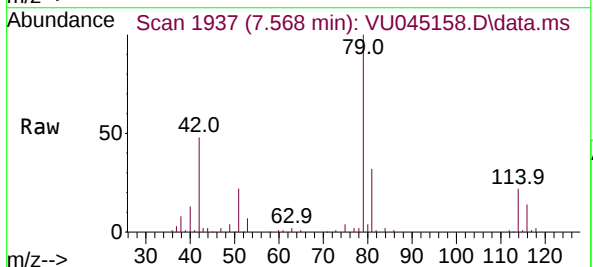
Tgt Ion: 63 Resp: 16891
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

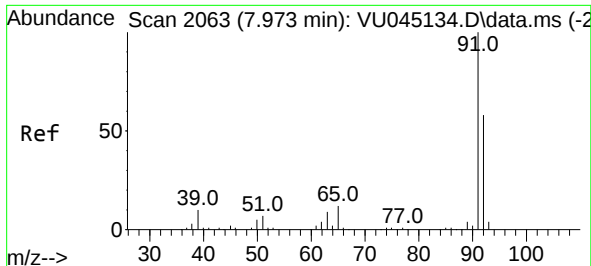


#39

cis-1,3-Dichloropropene
Concen: 0.986 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion: 75 Resp: 4146
Ion Ratio Lower Upper
75 100
77 55.1 22.4 41.6#

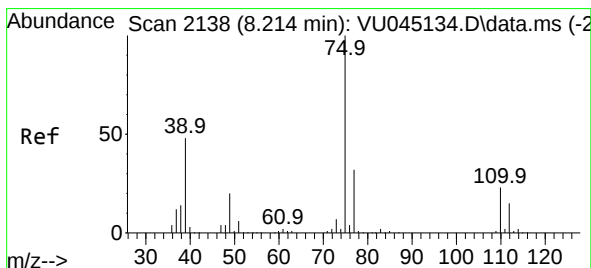
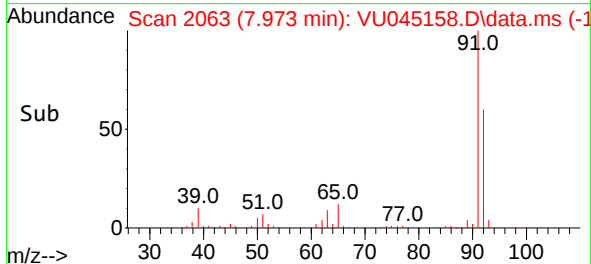
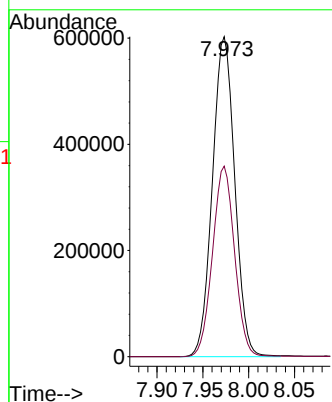
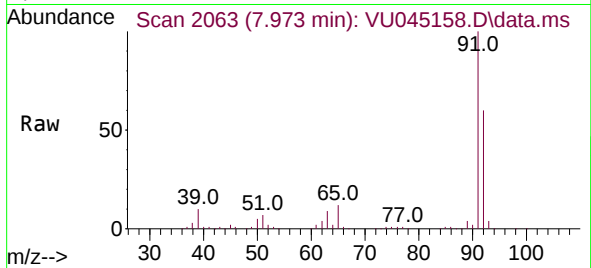




#42
Toluene
Concen: 93.214 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

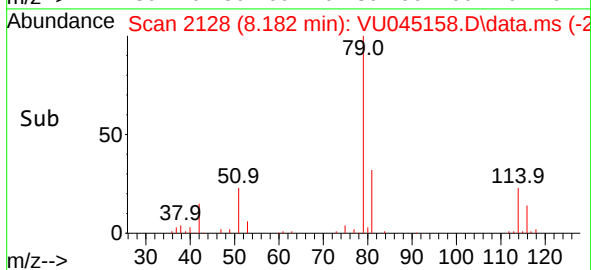
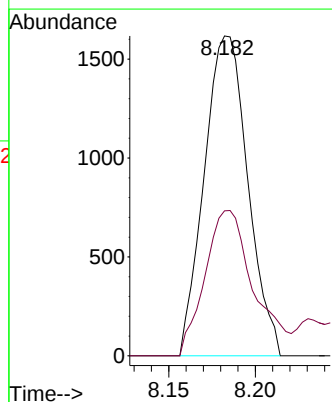
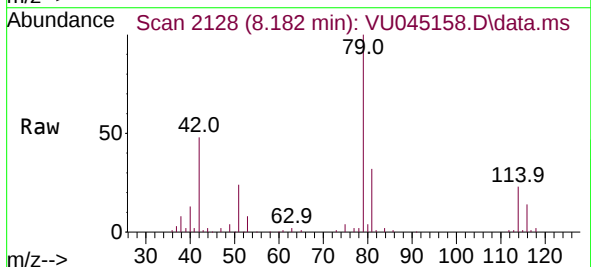
Instrument :
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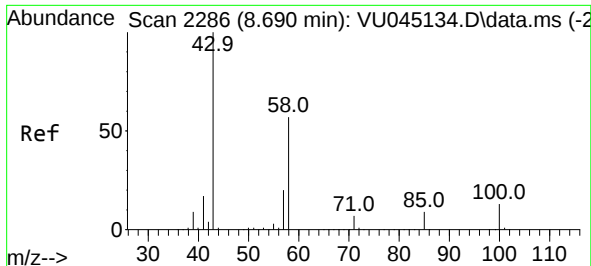
Tgt Ion: 91 Resp: 1022032
Ion Ratio Lower Upper
91 100
92 59.5 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.708 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion: 75 Resp: 2829
Ion Ratio Lower Upper
75 100
77 45.3 21.7 40.3#

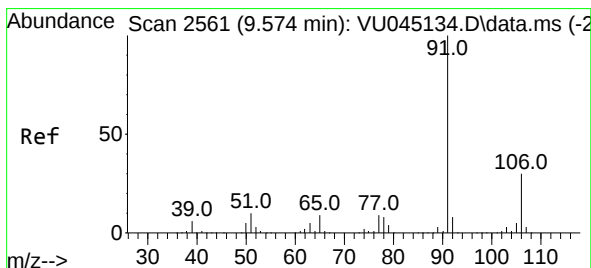
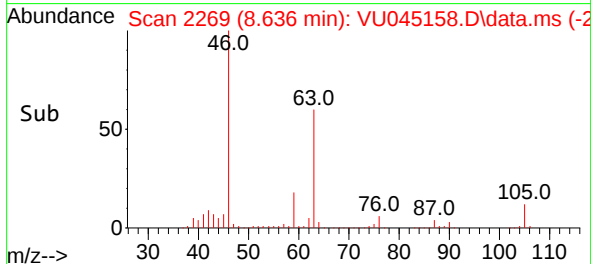
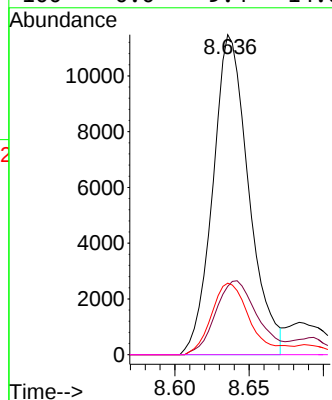
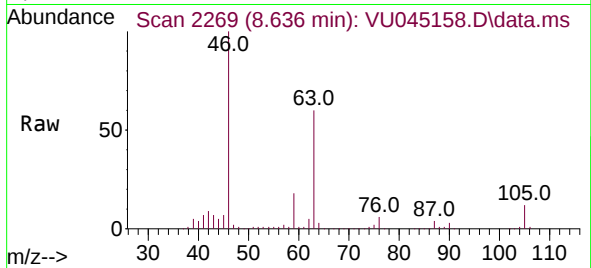




#48
2-Hexanone
Concen: 4.436 ug/L
RT: 8.636 min Scan# 2269
Delta R.T. -0.055 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

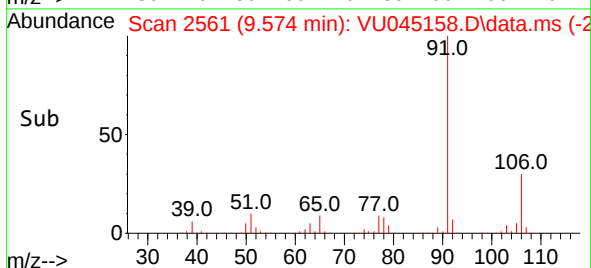
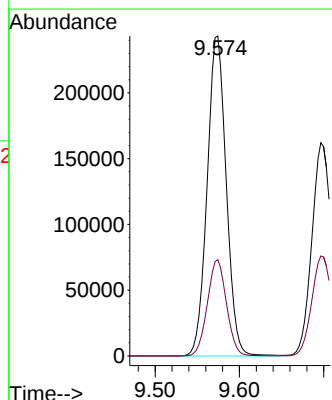
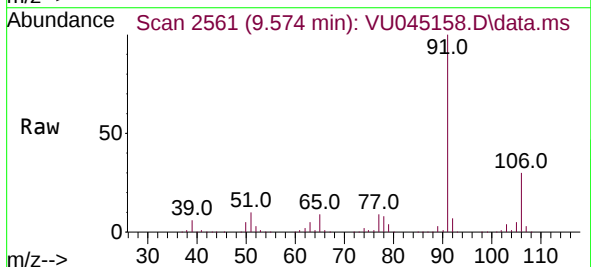
Instrument :
MSVOA_U
ClientSampleID :
F4A14DL

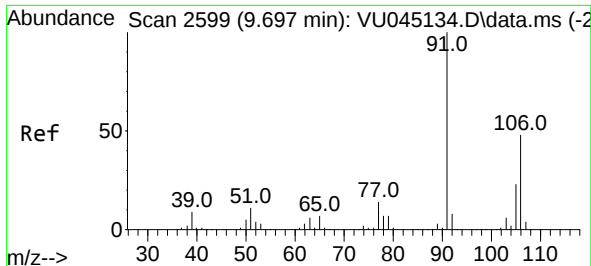
Tgt Ion:	43	Resp:	19306
Ion	Ratio	Lower	Upper
43	100		
58	27.2	44.9	67.3#
57	23.2	15.5	23.3
100	0.0	9.4	14.0#



#52
Ethylbenzene
Concen: 33.101 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:	91	Resp:	383400
Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.2	39.4

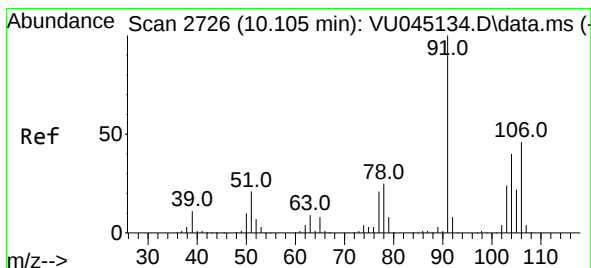
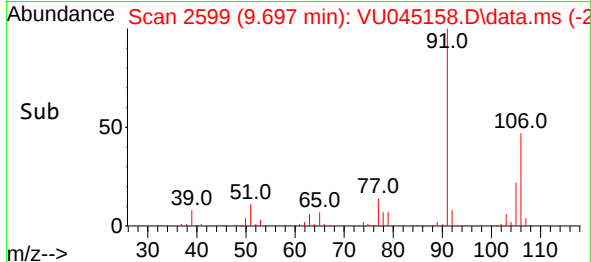
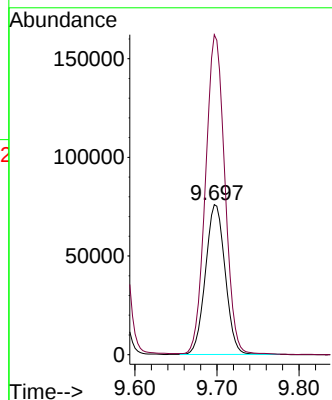
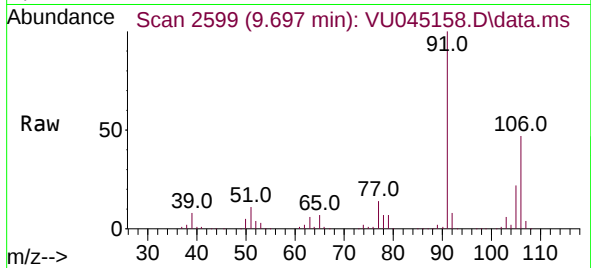




#53
m,p-Xylene
Concen: 28.780 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

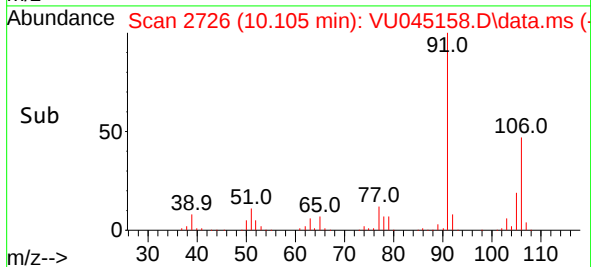
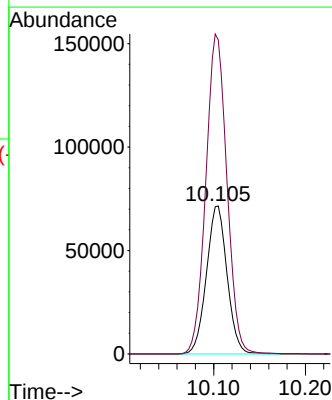
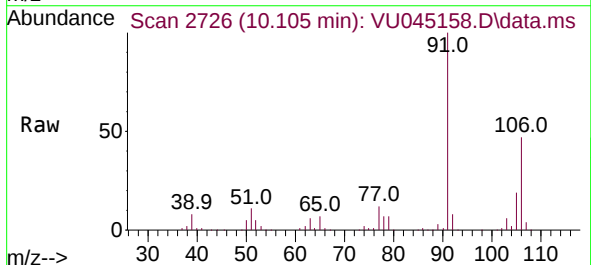
Instrument :
MSVOA_U
ClientSampled :
F4A14DL

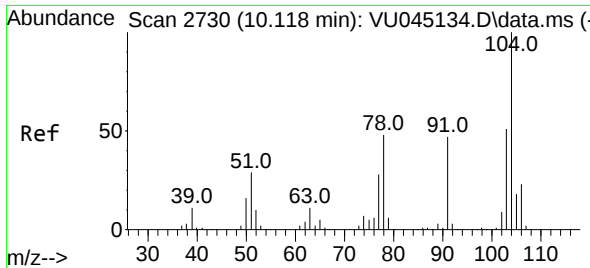
Tgt Ion:106 Resp: 126281
Ion Ratio Lower Upper
106 100
91 213.2 146.7 272.4



#54
o-xylene
Concen: 25.913 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:106 Resp: 111732
Ion Ratio Lower Upper
106 100
91 212.1 152.9 283.9

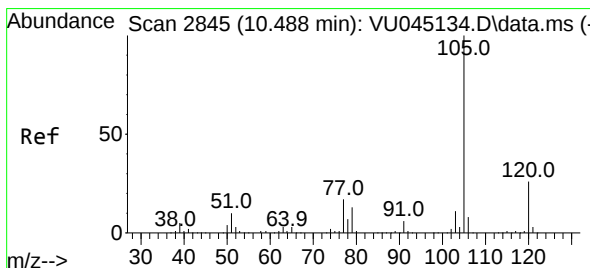
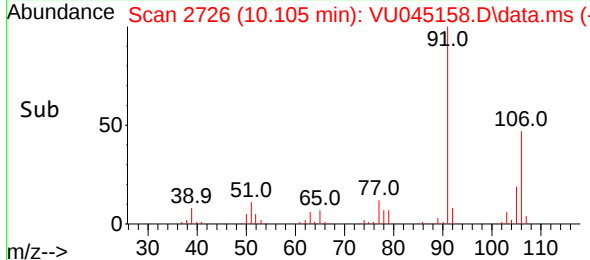
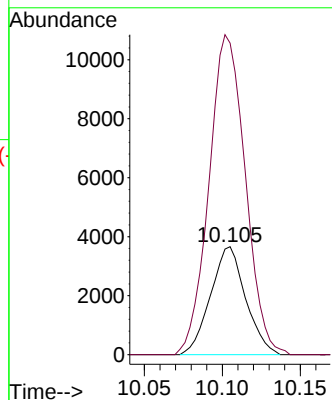
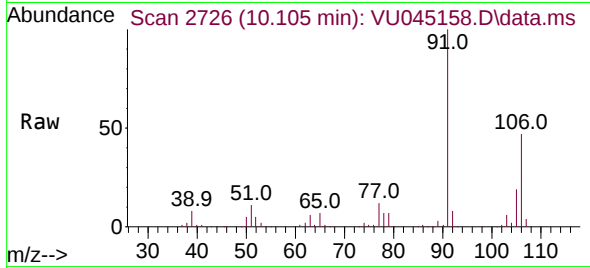




#55
Styrene
Concen: 0.774 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.013 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

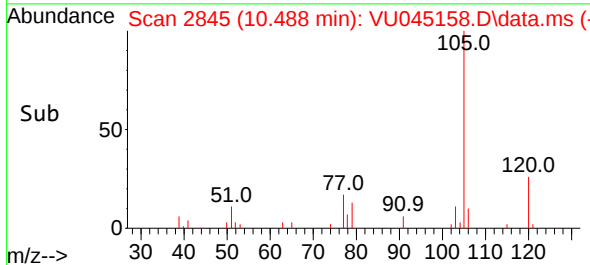
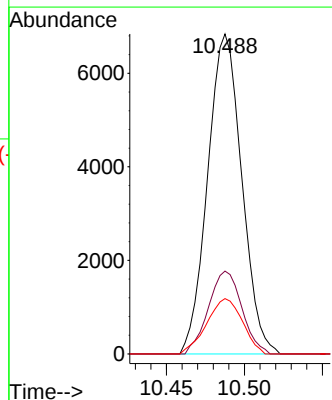
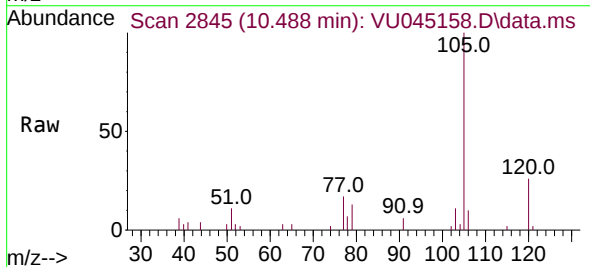
Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

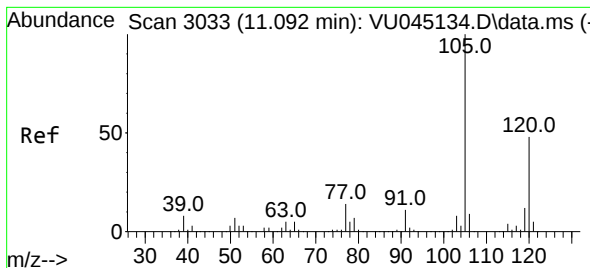
Tgt Ion:104 Resp: 5739
Ion Ratio Lower Upper
104 100
78 288.5 33.3 61.9#



#61
Isopropylbenzene
Concen: 1.030 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:105 Resp: 10403
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 18.1 13.5 20.3

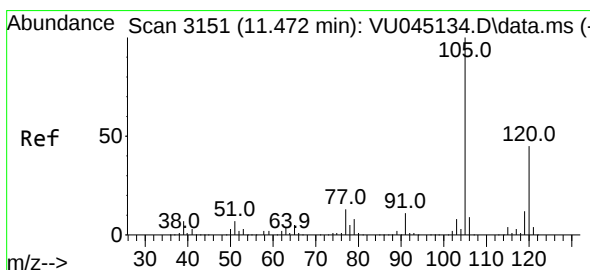
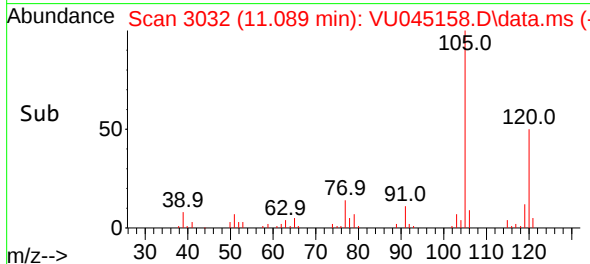
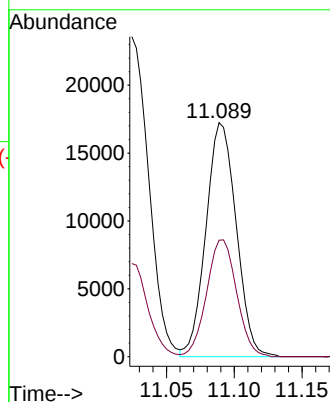
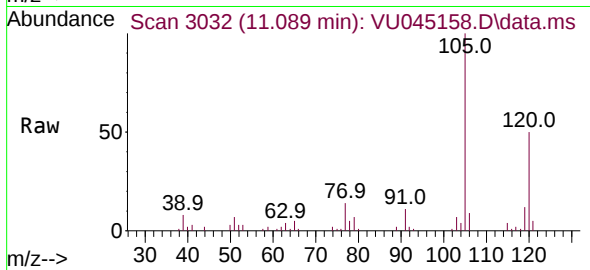




#62
1,3,5-Trimethylbenzene
Concen: 3.173 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

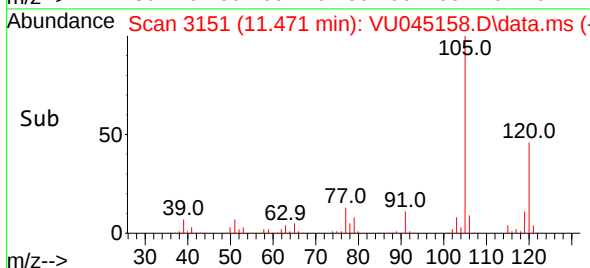
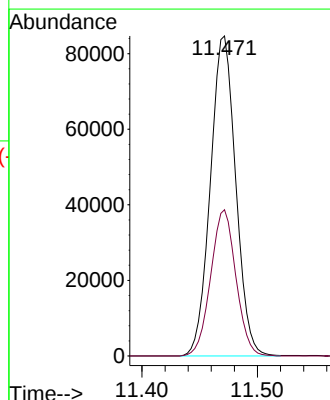
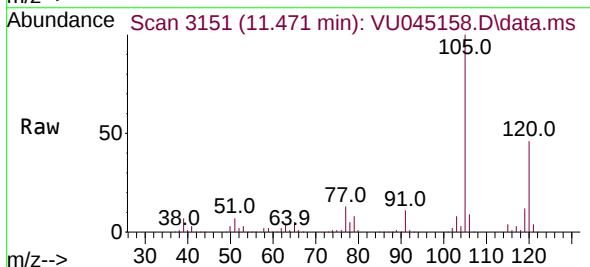
Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

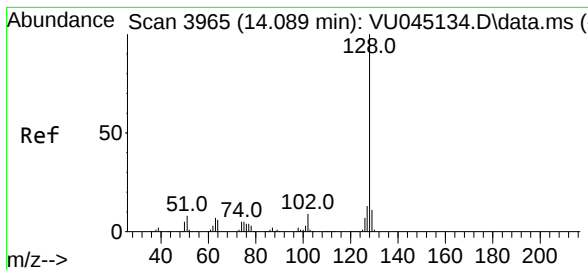
Tgt Ion:105 Resp: 26765
Ion Ratio Lower Upper
105 100
120 49.5 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 14.977 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Tgt Ion:105 Resp: 129382
Ion Ratio Lower Upper
105 100
120 45.4 35.7 53.5





#71
Naphthalene
Concen: 5.096 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU045158.D
Acq: 05 Oct 2021 20:27

Instrument :
MSVOA_U
ClientSampleId :
F4A14DL

Tgt Ion:	128	Resp:	47543
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.8	13.2

