

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045253.D
 Acq On : 08 Oct 2021 15:53
 Operator : SY/MD
 Sample : M4070-07ME
 Misc : 2.54g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:32:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	289996	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	285546	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	137017	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	81340	25.622	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	51.240%#
7) Chloroethane-d5	1.871	69	32151	12.780	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	25.560%#
11) 1,1-Dichloroethene-d2	2.523	63	132985	24.944	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.880%#
21) 2-Butanone-d5	4.645	46	215210	85.749	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.750%
24) Chloroform-d	5.063	84	195781	39.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.100%
26) 1,2-Dichloroethane-d4	5.703	65	146860	43.242	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.480%
32) Benzene-d6	5.723	84	415468	41.931	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.860%
36) 1,2-Dichloropropane-d6	6.694	67	137662	42.609	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.220%
41) Toluene-d8	7.903	98	366031	42.807	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.620%
43) trans-1,3-Dichloroprop...	8.185	79	60228	41.908	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.820%
47) 2-Hexanone-d5	8.649	63	154088	86.063	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.060%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	228148	45.349	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.700%
66) 1,2-Dichlorobenzene-d4	12.198	152	141169	47.342	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.680%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	2346	0.678	ug/L	97
16) Methylene chloride	3.031	84	4400	1.547	ug/L	98
22) 2-Butanone	4.726	43	122802	37.820	ug/L	99
25) Chloroform	5.089	83	5647	1.154	ug/L	92
29) Cyclohexane	5.375	56	2091	0.487	ug/L #	22
30) 1,1,1-Trichloroethane	5.311	97	6943	1.757	ug/L	98
35) Methylcyclohexane	6.758	83	12120	2.846	ug/L	99
37) 1,2-Dichloropropane	6.694	63	14987	5.197	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	3706	0.898	ug/L #	68
40) 4-Methyl-2-pentanone	7.813	43	24383	5.062	ug/L	98
42) Toluene	7.973	91	181769	16.892	ug/L	100
44) trans-1,3-Dichloropropene	8.185	75	2764	0.705	ug/L #	75
45) 1,1,2-Trichloroethane	8.369	97	3024	1.157	ug/L #	23
46) Tetrachloroethene	8.552	164	2120	1.166	ug/L	95
48) 2-Hexanone	8.649	43	21253	4.976	ug/L #	62
49) Dibromochloromethane	8.555	129	2125	0.822	ug/L #	11
52) Ethylbenzene	9.578	91	383240	33.713	ug/L	100
53) m,p-Xylene	9.700	106	666181	154.698	ug/L	99
54) o-xylene	10.108	106	196492	46.434	ug/L	98

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 QLast Update : Sat Oct 09 05:29:23 2021
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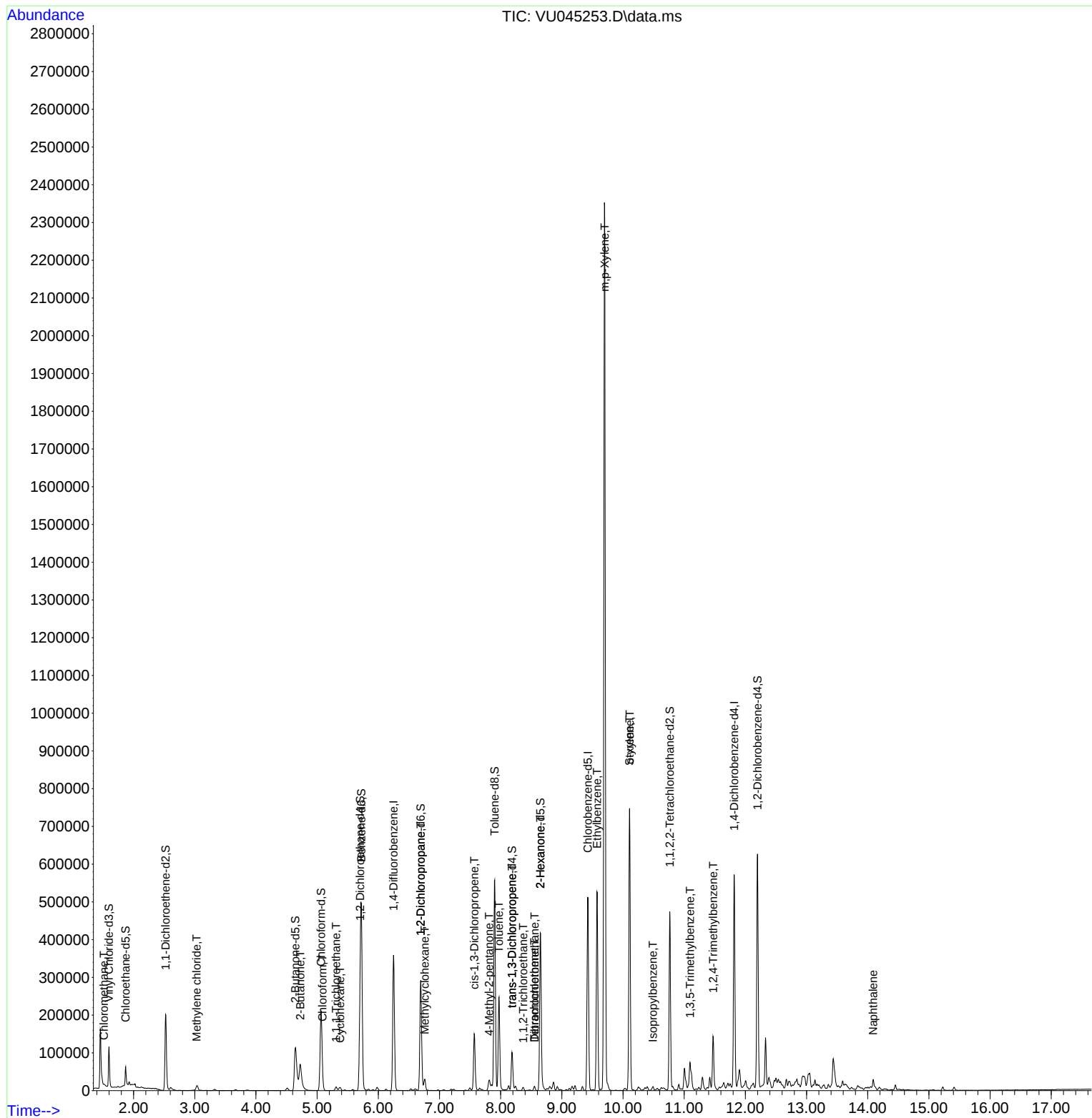
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	10.105	104	10070	1.384	ug/L #	1
61) Isopropylbenzene	10.491	105	6823	0.680	ug/L	97
62) 1,3,5-Trimethylbenzene	11.095	105	36476	4.356	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	70336	8.202	ug/L	100
71) Naphthalene	14.089	128	19246	2.078	ug/L	99

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

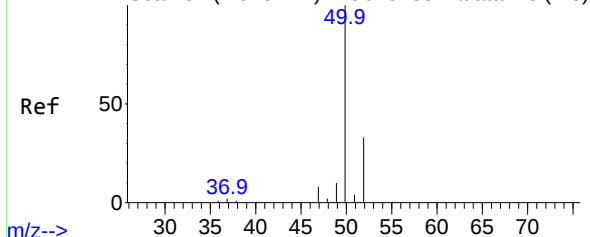
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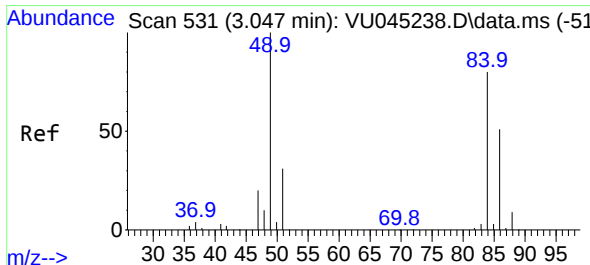
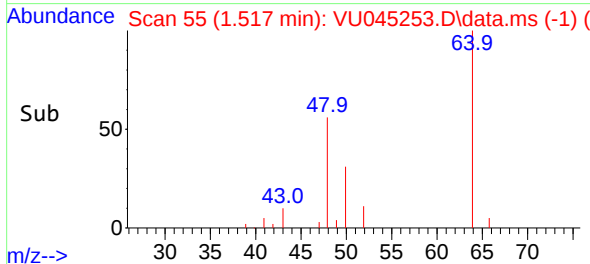
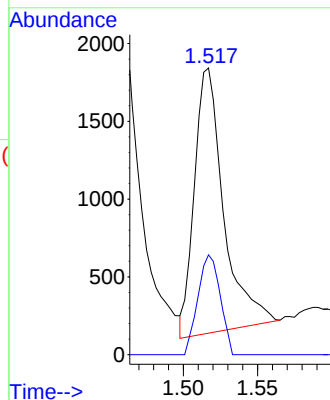
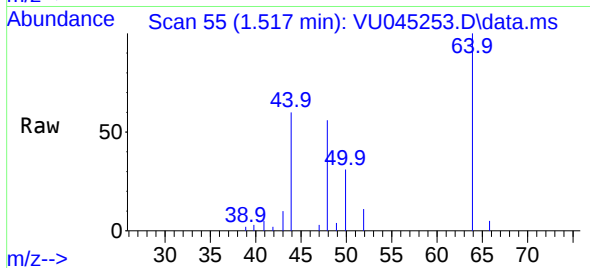
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#3
Chloromethane
Concen: 0.678 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

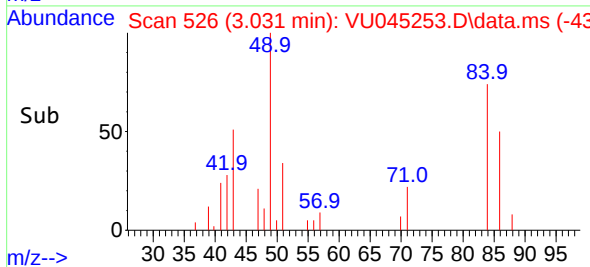
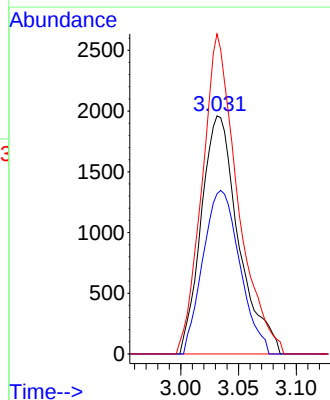
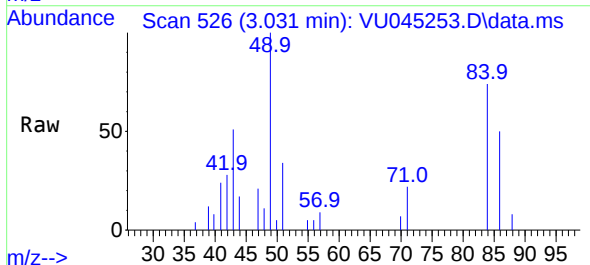
Tgt Ion: 50 Resp: 2346
Ion Ratio Lower Upper
50 100
52 34.8 23.0 42.8

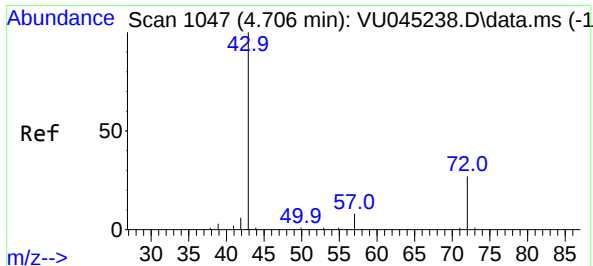
Instrument :
MSVOA_U
ClientSampled :



#16
Methylene chloride
Concen: 1.547 ug/L
RT: 3.031 min Scan# 526
Delta R.T. -0.016 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion: 84 Resp: 4400
Ion Ratio Lower Upper
84 100
86 67.3 44.7 83.1
49 134.4 92.9 172.5

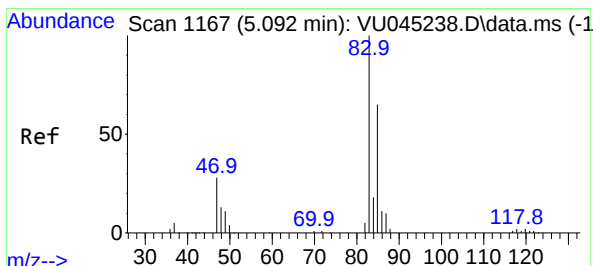
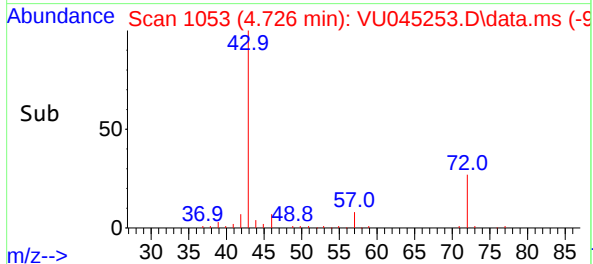
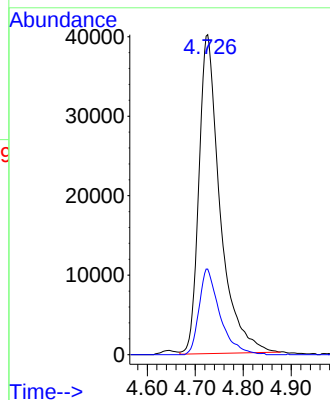
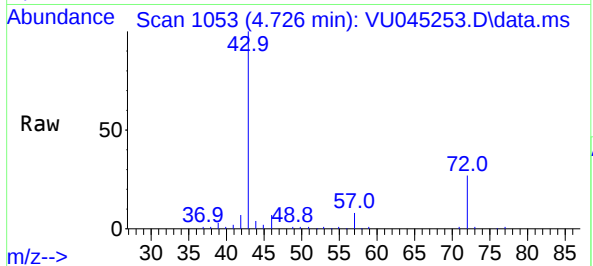




#22
2-Butanone
Concen: 37.820 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. 0.019 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

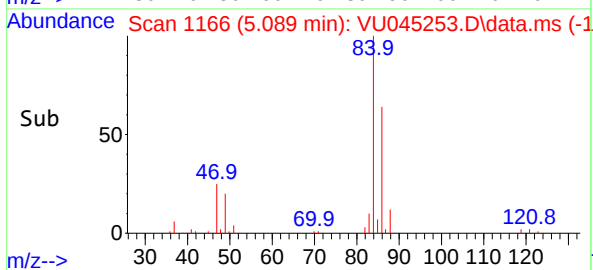
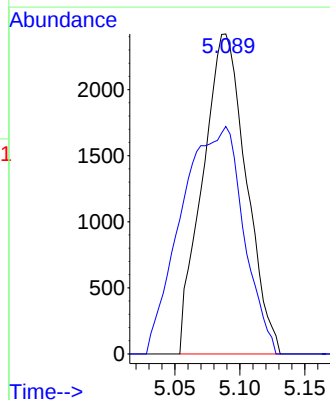
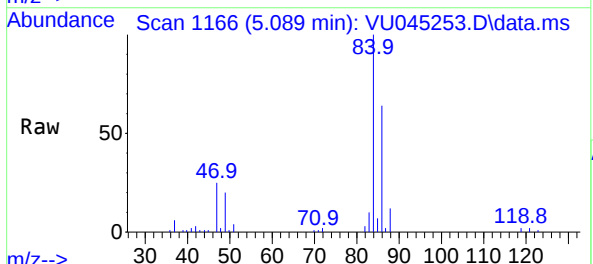
Instrument :
MSVOA_U
ClientSampled :

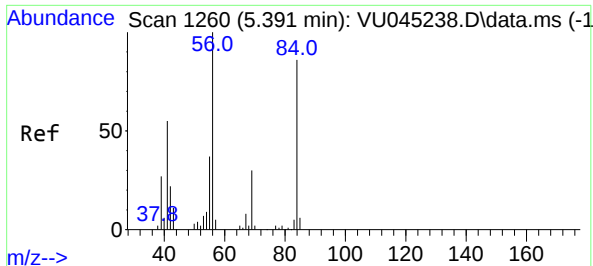
Tgt Ion: 43 Resp: 122802
Ion Ratio Lower Upper
43 100
72 26.3 13.3 39.9



#25
Chloroform
Concen: 1.154 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion: 83 Resp: 5647
Ion Ratio Lower Upper
83 100
85 71.1 45.6 84.6



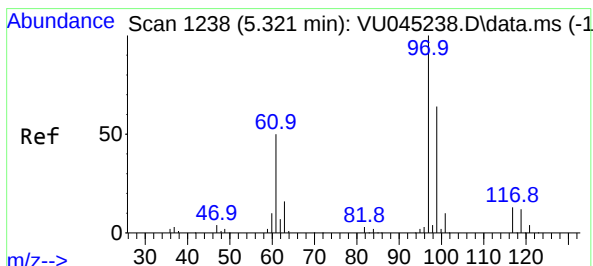
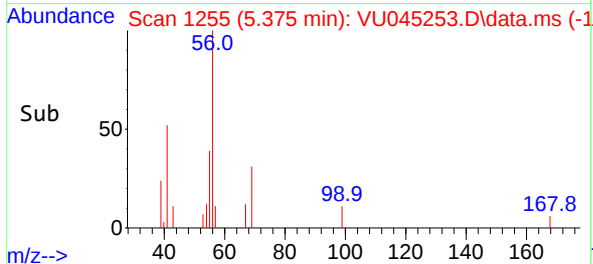
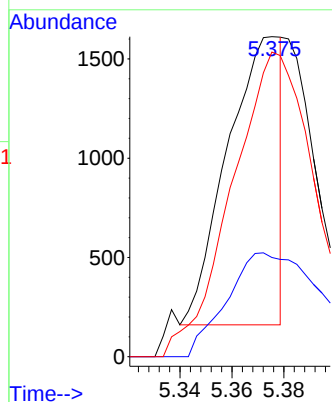
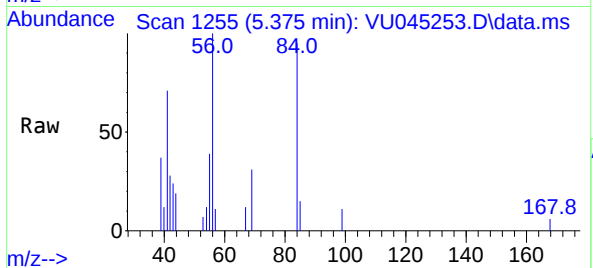


#29
Cyclohexane
Concen: 0.487 ug/L
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 56 Resp: 2091

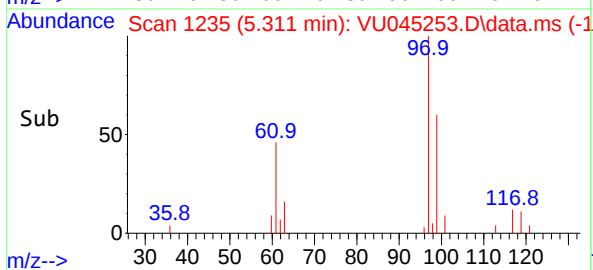
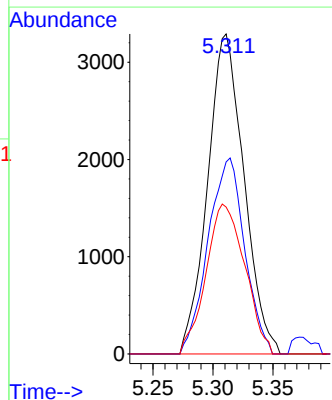
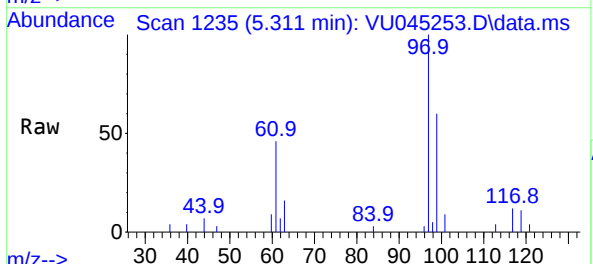
Ion	Ratio	Lower	Upper
56	100		
69	60.1	23.8	35.8#
84	161.3	66.8	100.2#

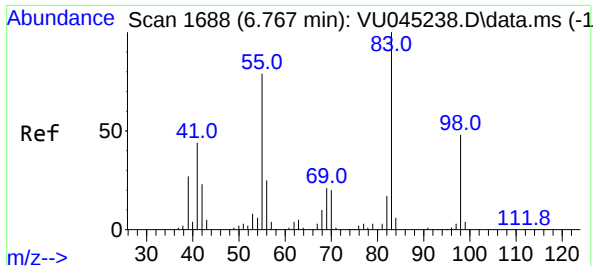


#30
1,1,1-Trichloroethane
Concen: 1.757 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.010 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion: 97 Resp: 6943

Ion	Ratio	Lower	Upper
97	100		
99	61.6	50.6	75.8
61	50.0	41.3	61.9

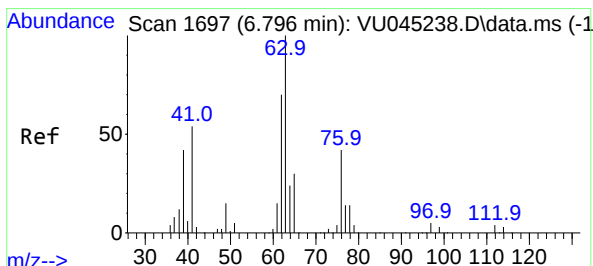
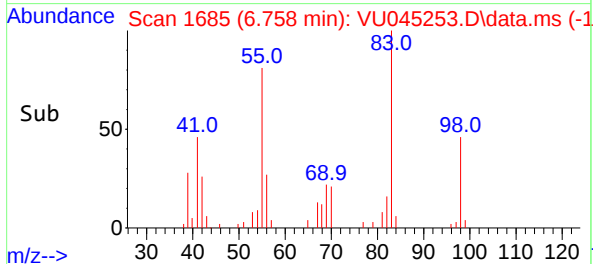
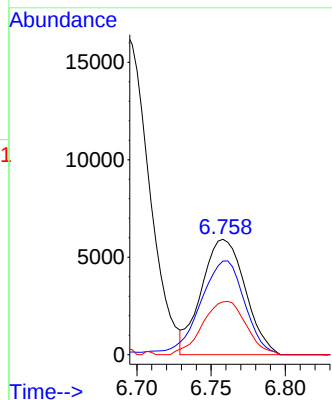
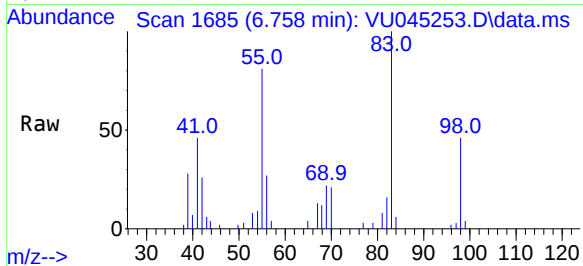




#35
Methylcyclohexane
Concen: 2.846 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.010 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

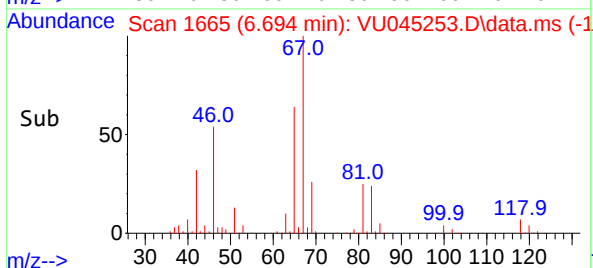
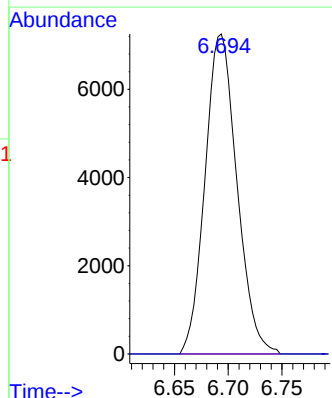
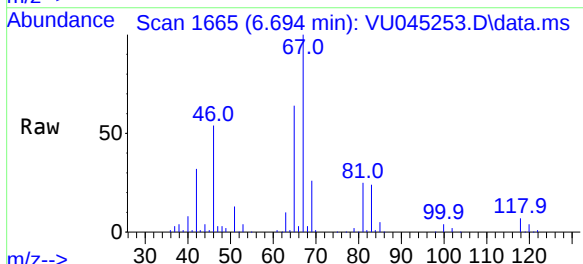
Instrument :
MSVOA_U
ClientSampled :

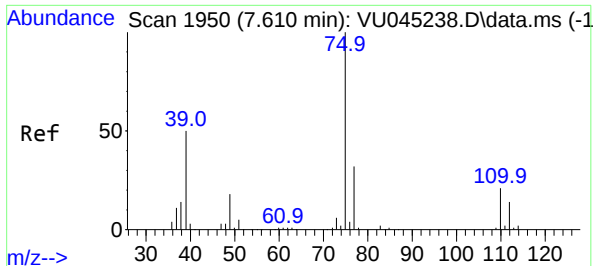
Tgt Ion:	83	Resp:	12120
Ion	Ratio	Lower	Upper
83	100		
55	82.7	65.8	98.6
98	45.7	37.1	55.7



#37
1,2-Dichloropropane
Concen: 5.197 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion:	63	Resp:	14987
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#



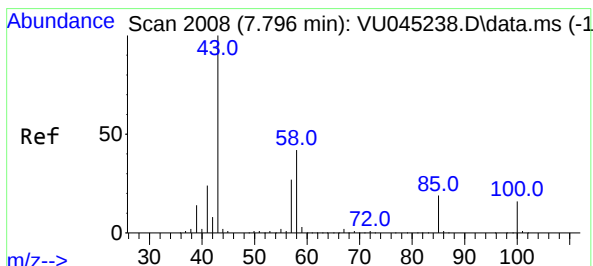
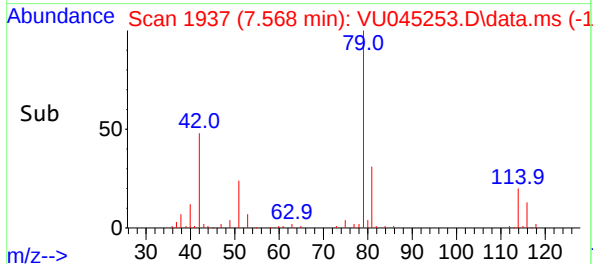
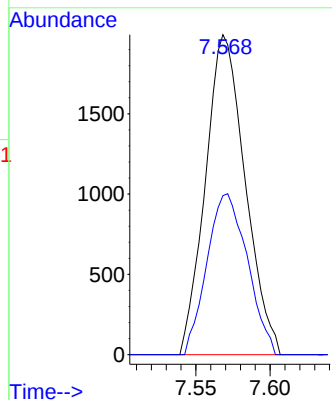
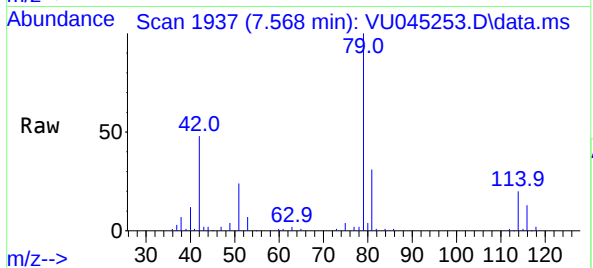


#39

cis-1,3-Dichloropropene
Concen: 0.898 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Instrument :
MSVOA_U
ClientSampled :

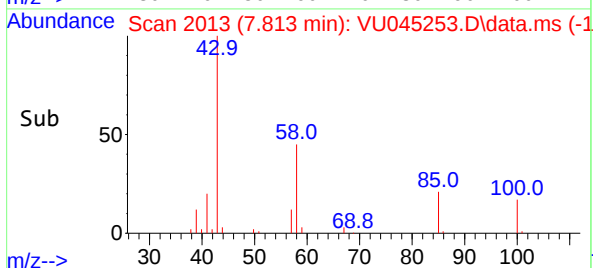
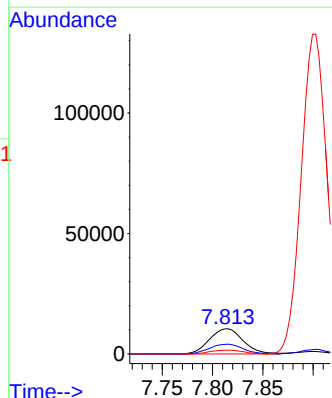
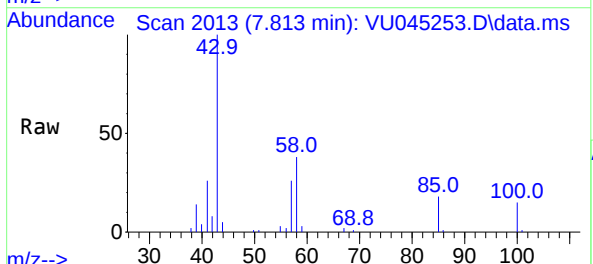
Tgt Ion: 75 Resp: 3706
Ion Ratio Lower Upper
75 100
77 49.7 22.4 41.6#

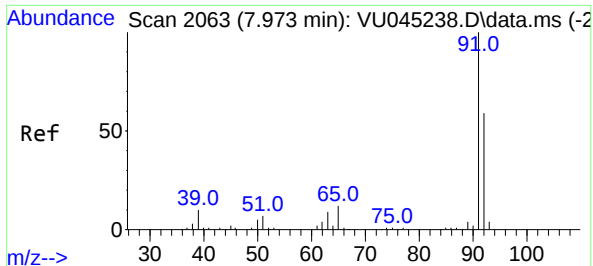


#40

4-Methyl-2-pentanone
Concen: 5.062 ug/L
RT: 7.813 min Scan# 2013
Delta R.T. 0.016 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion: 43 Resp: 24383
Ion Ratio Lower Upper
43 100
58 38.3 31.8 47.8
100 14.7 11.8 17.6

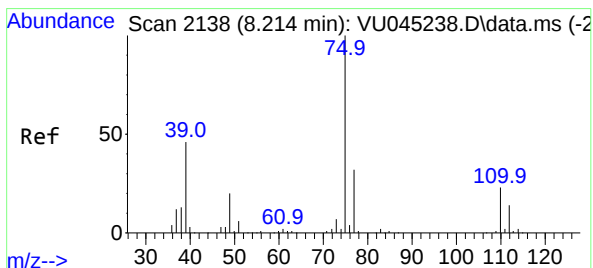
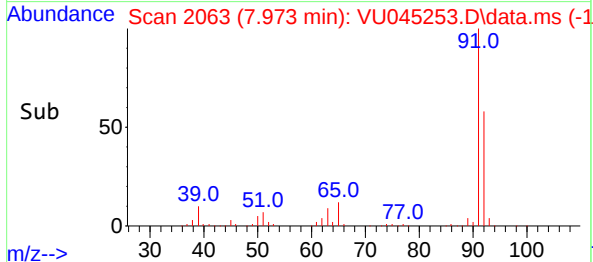
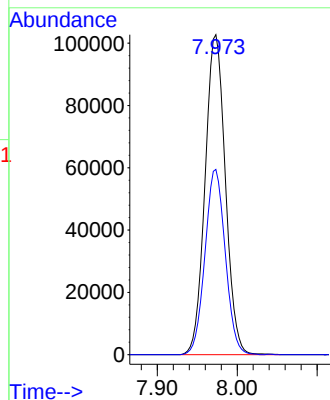
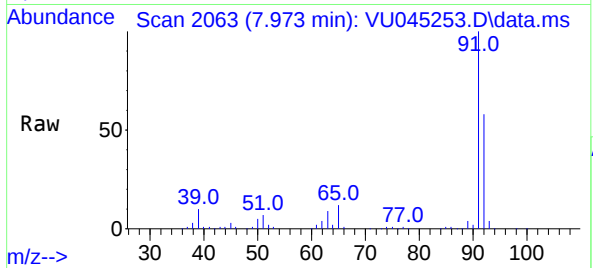




#42
Toluene
Concen: 16.892 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

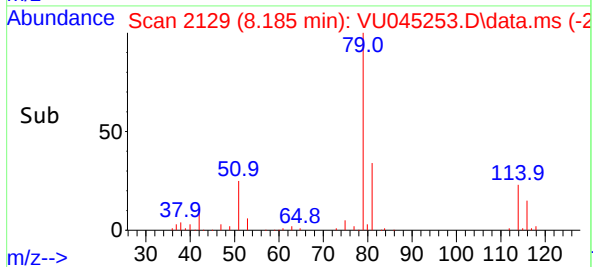
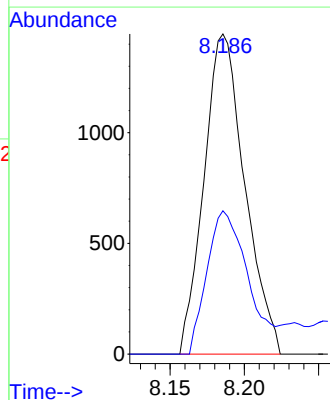
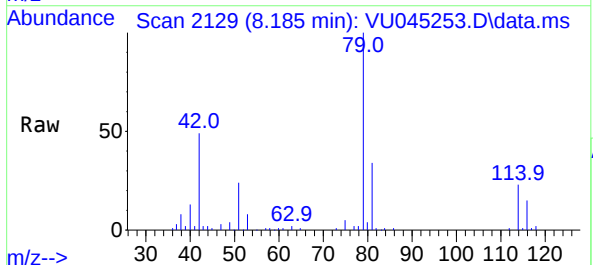
Instrument :
MSVOA_U
ClientSampled :

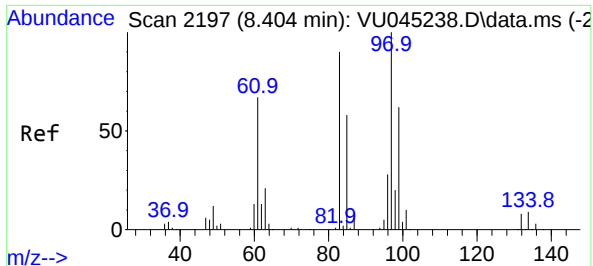
Tgt Ion: 91 Resp: 181769
Ion Ratio Lower Upper
91 100
92 57.9 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.705 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion: 75 Resp: 2764
Ion Ratio Lower Upper
75 100
77 44.7 21.7 40.3#



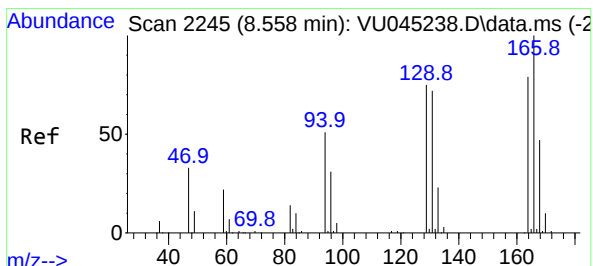
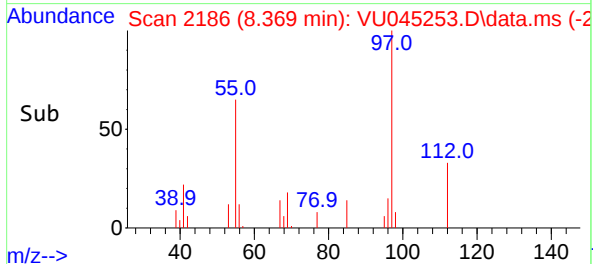
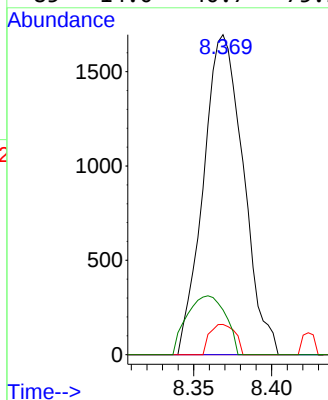
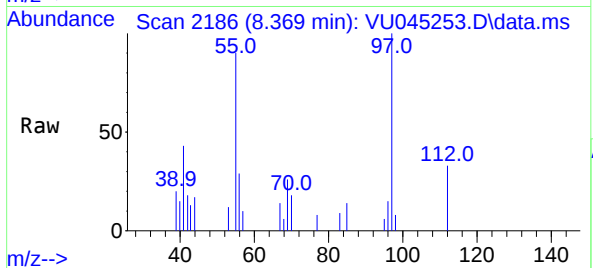


#45
1,1,2-Trichloroethane
Concen: 1.157 ug/L
RT: 8.369 min Scan# 2186
Delta R.T. -0.035 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 97 Resp: 3024

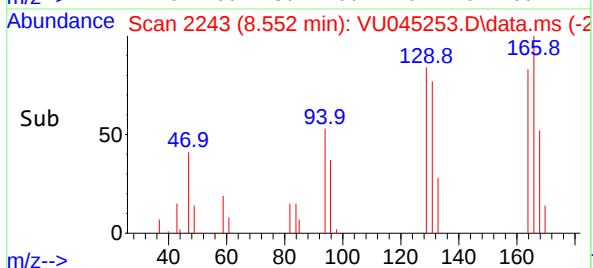
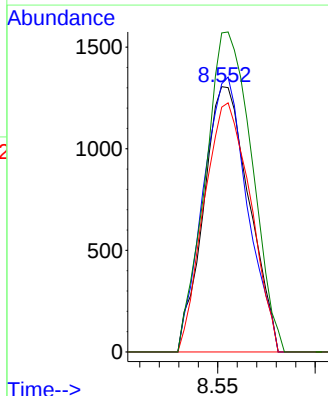
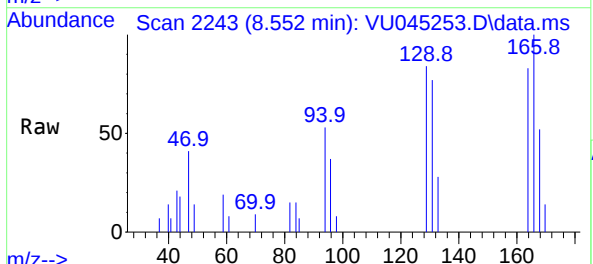
Ion	Ratio	Lower	Upper
97	100		
99	0.0	43.7	81.1#
83	9.4	61.9	115.1#
85	14.0	40.7	75.5#

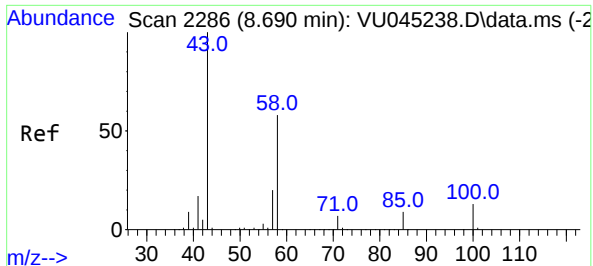


#46
Tetrachloroethene
Concen: 1.166 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.006 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion: 164 Resp: 2120

Ion	Ratio	Lower	Upper
164	100		
129	101.1	69.8	129.6
131	92.3	66.4	123.2
166	120.2	91.1	169.3

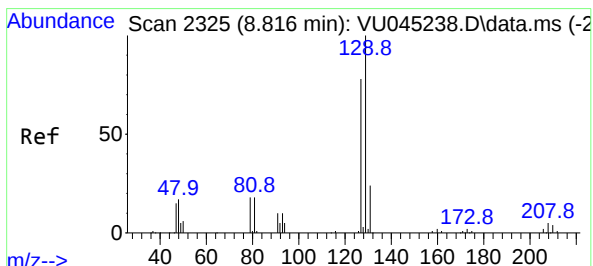
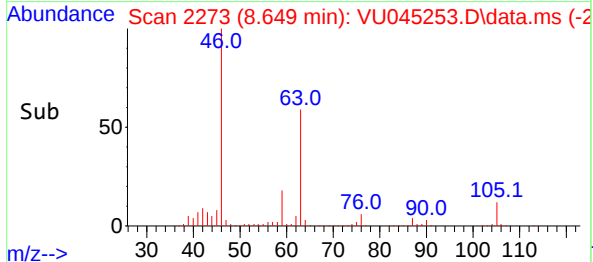
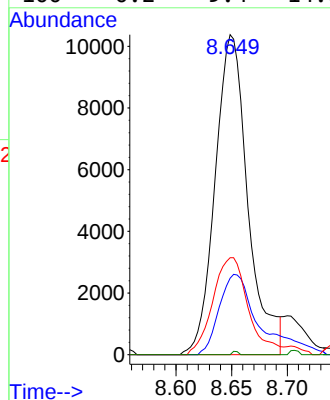
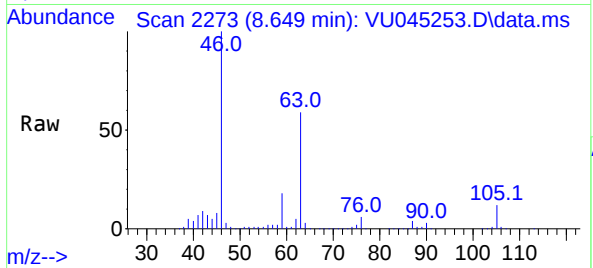




#48
2-Hexanone
Concen: 4.976 ug/L
RT: 8.649 min Scan# 2273
Delta R.T. -0.042 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

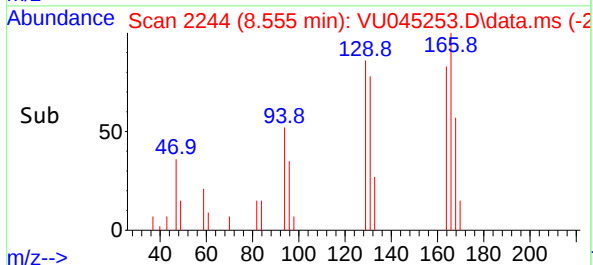
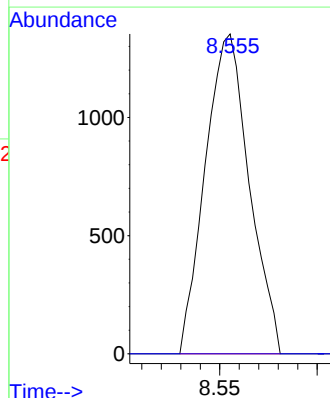
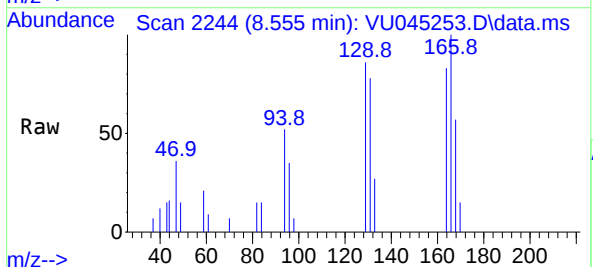
Instrument :
MSVOA_U
ClientSampleId :

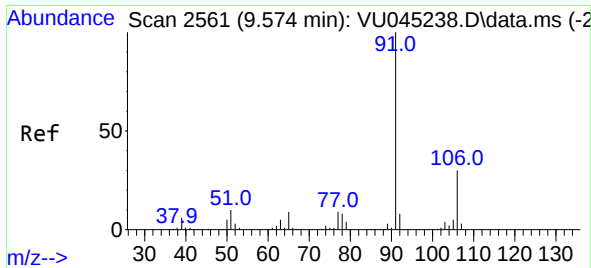
Tgt Ion: 43	Resp: 21253
Ion Ratio	Lower Upper
43 100	
58 25.3	44.9 67.3#
57 32.9	15.5 23.3#
100 0.2	9.4 14.0#



#49
Dibromochloromethane
Concen: 0.822 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.260 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion: 129	Resp: 2125
Ion Ratio	Lower Upper
129 100	
127 0.0	54.3 100.8#

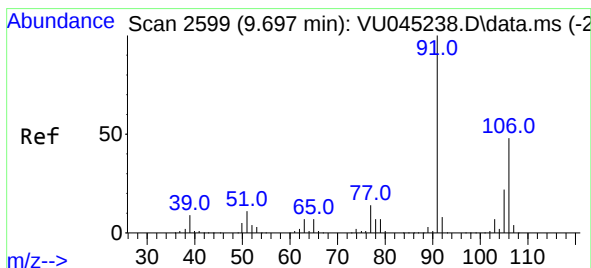
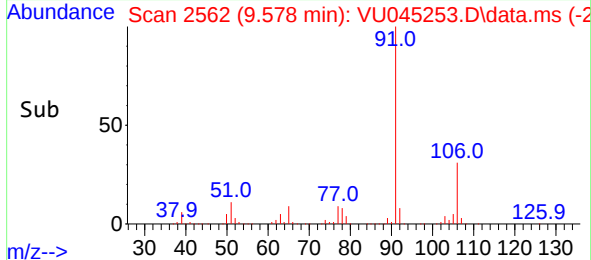
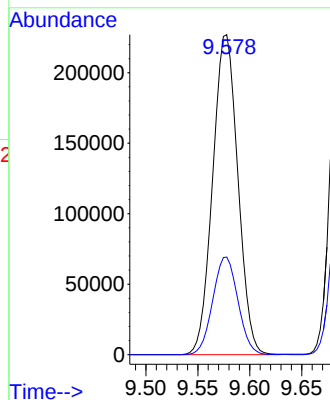
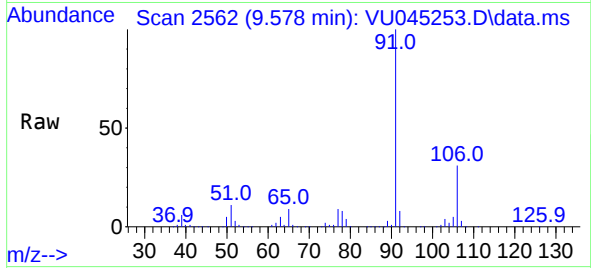




#52
Ethylbenzene
Concen: 33.713 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.003 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

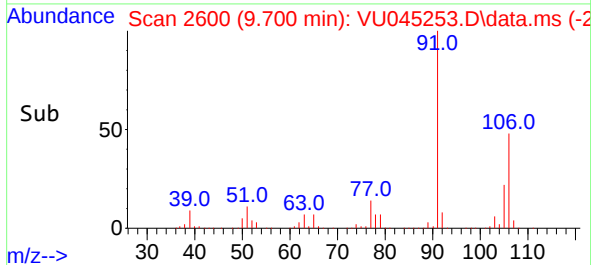
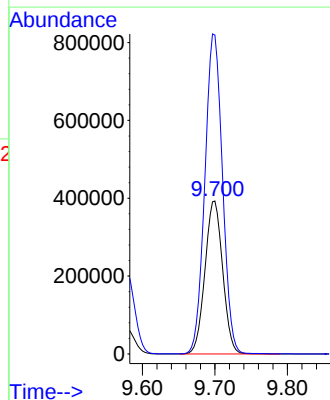
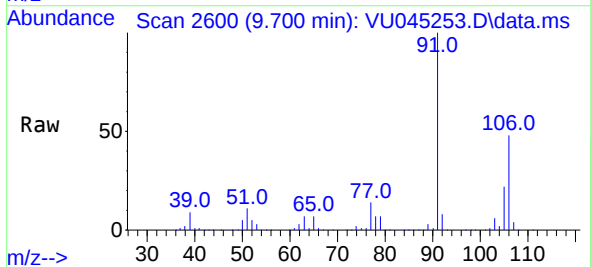
Instrument :
MSVOA_U
ClientSampled :

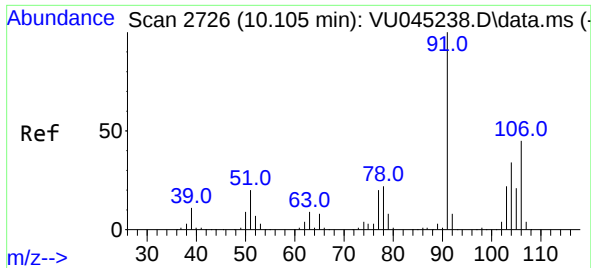
Tgt Ion: 91 Resp: 383240
Ion Ratio Lower Upper
91 100
106 30.5 21.2 39.4



#53
m,p-Xylene
Concen: 154.698 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion:106 Resp: 666181
Ion Ratio Lower Upper
106 100
91 208.4 146.7 272.4

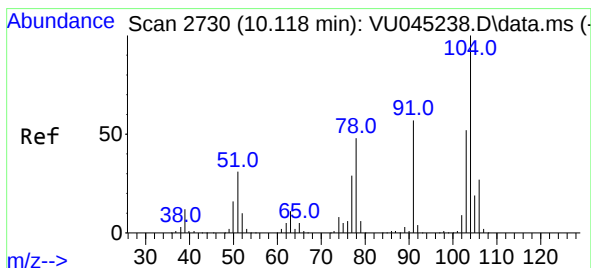
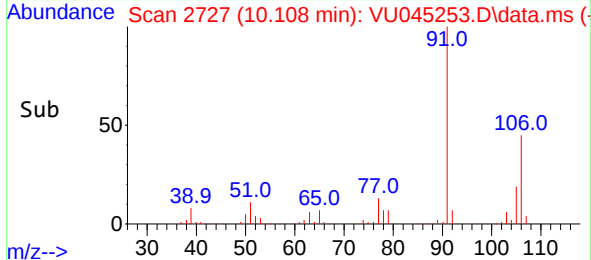
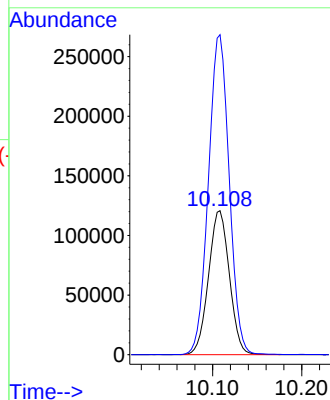
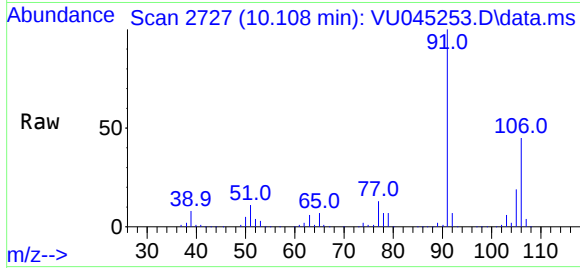




#54
o-xylene
Concen: 46.434 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

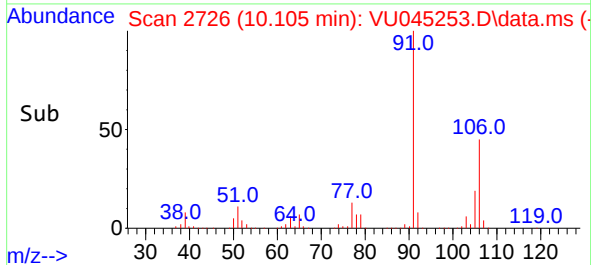
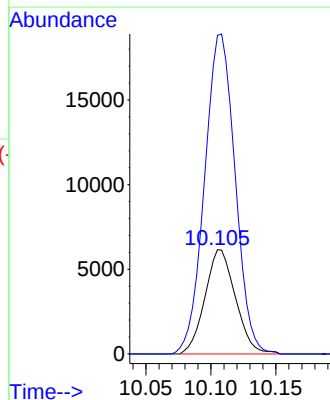
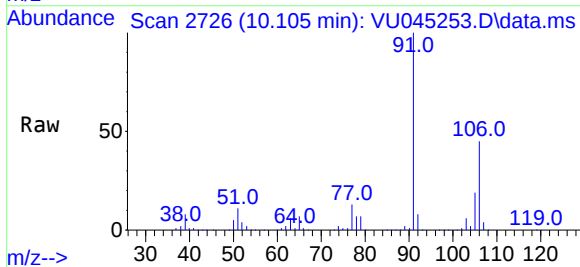
Instrument :
MSVOA_U
ClientSampled :

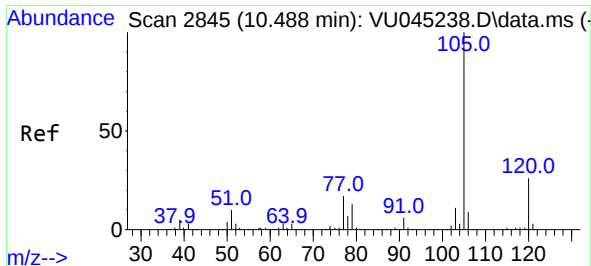
Tgt Ion:106 Resp: 196492
Ion Ratio Lower Upper
106 100
91 222.3 152.9 283.9



#55
Styrene
Concen: 1.384 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.013 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion:104 Resp: 10070
Ion Ratio Lower Upper
104 100
78 305.2 33.3 61.9#

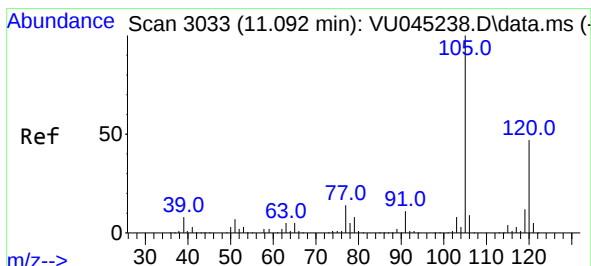
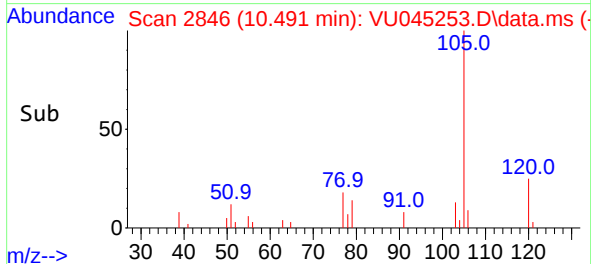
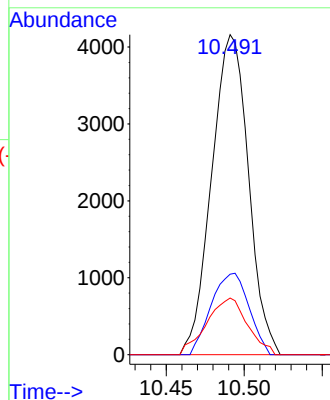
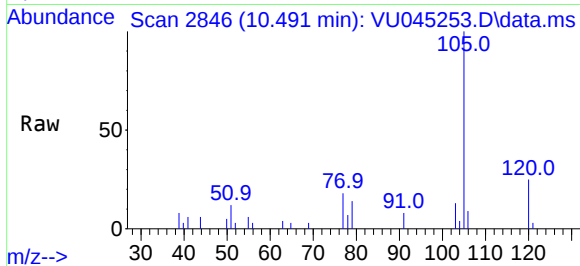




#61
Isopropylbenzene
Concen: 0.680 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.003 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

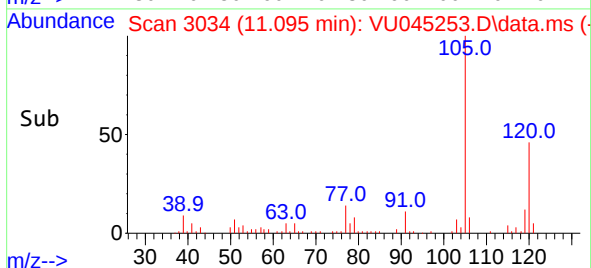
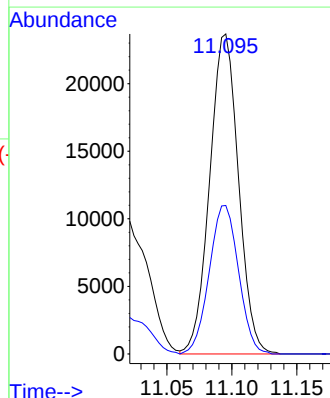
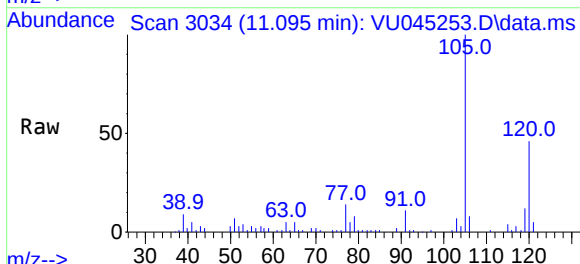
Instrument :
MSVOA_U
ClientSampled :

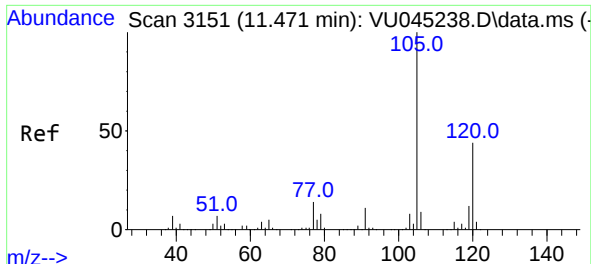
Tgt Ion:105	Resp:	6823
Ion Ratio	Lower	Upper
105	100	
120	26.1	20.5 30.7
77	19.6	13.5 20.3



#62
1,3,5-Trimethylbenzene
Concen: 4.356 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.003 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion:105	Resp:	36476
Ion Ratio	Lower	Upper
105	100	
120	47.3	38.8 58.2

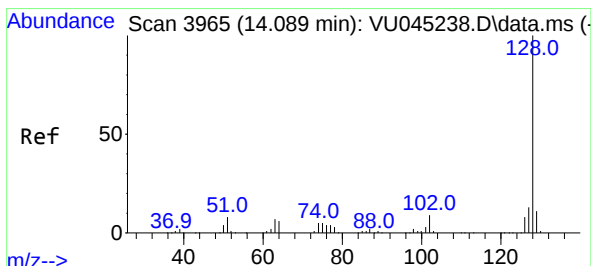
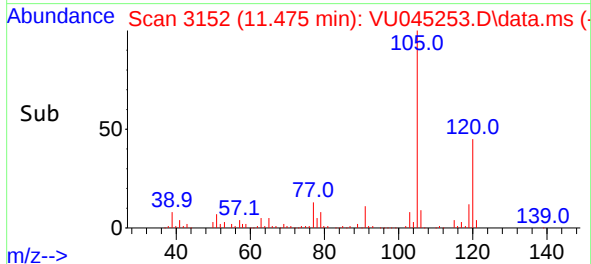
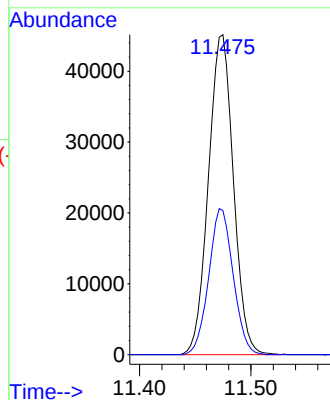
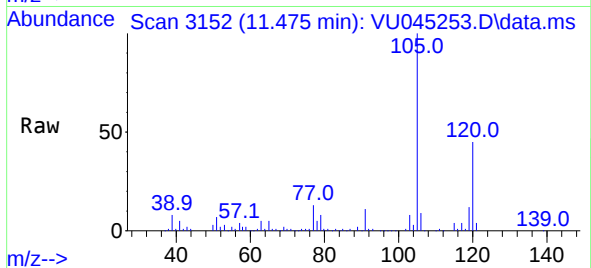




#63
1,2,4-Trimethylbenzene
Concen: 8.202 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 70336
Ion Ratio Lower Upper
105 100
120 44.6 35.7 53.5



#71
Naphthalene
Concen: 2.078 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045253.D
Acq: 08 Oct 2021 15:53

Tgt Ion:128 Resp: 19246
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.5 8.8 13.2

