

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100621\
 Data File : VU045180.D
 Acq On : 06 Oct 2021 13:01
 Operator : SY/MD
 Sample : M4024-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AM2

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 12:35:22 PM

Quant Time: Oct 07 03:01:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 03:00:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	289790	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	290749	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	136162	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	111577	35.172	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.340%		
7) Chloroethane-d5	1.906	69	95376	37.940	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.880%		
11) 1,1-Dichloroethene-d2	2.578	63	496127	93.126	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	186.260%#		
21) 2-Butanone-d5	4.661	46	256337	102.209	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.210%		
24) Chloroform-d	5.070	84	193453	38.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	77.220%		
26) 1,2-Dichloroethane-d4	5.706	65	141528	41.701	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.400%		
32) Benzene-d6	5.732	84	405110	40.154	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.300%		
36) 1,2-Dichloropropane-d6	6.697	67	134743	40.960	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.920%		
41) Toluene-d8	7.902	98	363301	41.727	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.460%		
43) trans-1,3-Dichloroprop...	8.182	79	60655	41.450	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.900%		
47) 2-Hexanone-d5	8.635	63	158669	87.036	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.040%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	214672	41.907	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.820%		
66) 1,2-Dichlorobenzene-d4	12.195	152	133648	45.102	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.200%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	1001815	295.652	ug/L	100
12) 1,1-Dichloroethene	2.581	96	619659	276.128	ug/L #	68
13) Acetone	2.632	43	31429	10.841	ug/L	98
14) Carbon disulfide	2.803	76	112681	15.673	ug/L	99
15) Methyl Acetate	2.954	43	3815	1.067	ug/L	98
16) Methylene chloride	3.050	84	35990	12.659	ug/L	95
17) trans-1,2-Dichloroethene	3.366	96	291564	123.336	ug/L	99
19) 1,1-Dichloroethane	3.877	63	619093	125.884	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	25825958m	9914.291	ug/L	
25) Chloroform	5.099	83	10706	2.190	ug/L	96
27) 1,2-Dichloroethane	5.800	62	35054	8.572	ug/L	100
30) 1,1,1-Trichloroethane	5.324	97	6282637	1560.993	ug/L	98
33) Benzene	5.777	78	18184	1.686	ug/L	100
34) Trichloroethene	6.546	95	578677	223.415	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	18936	3.861	ug/L	100
42) Toluene	7.973	91	155818	14.221	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	38195	14.355	ug/L	98
52) Ethylbenzene	9.574	91	1110831	95.970	ug/L	100
53) m,p-Xylene	9.697	106	2048390	467.156	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	10.102	106	222868	51.724	ug/L	99
61) Isopropylbenzene	10.487	105	243869	24.473	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	13491	1.621	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	98326	11.538	ug/L	98

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

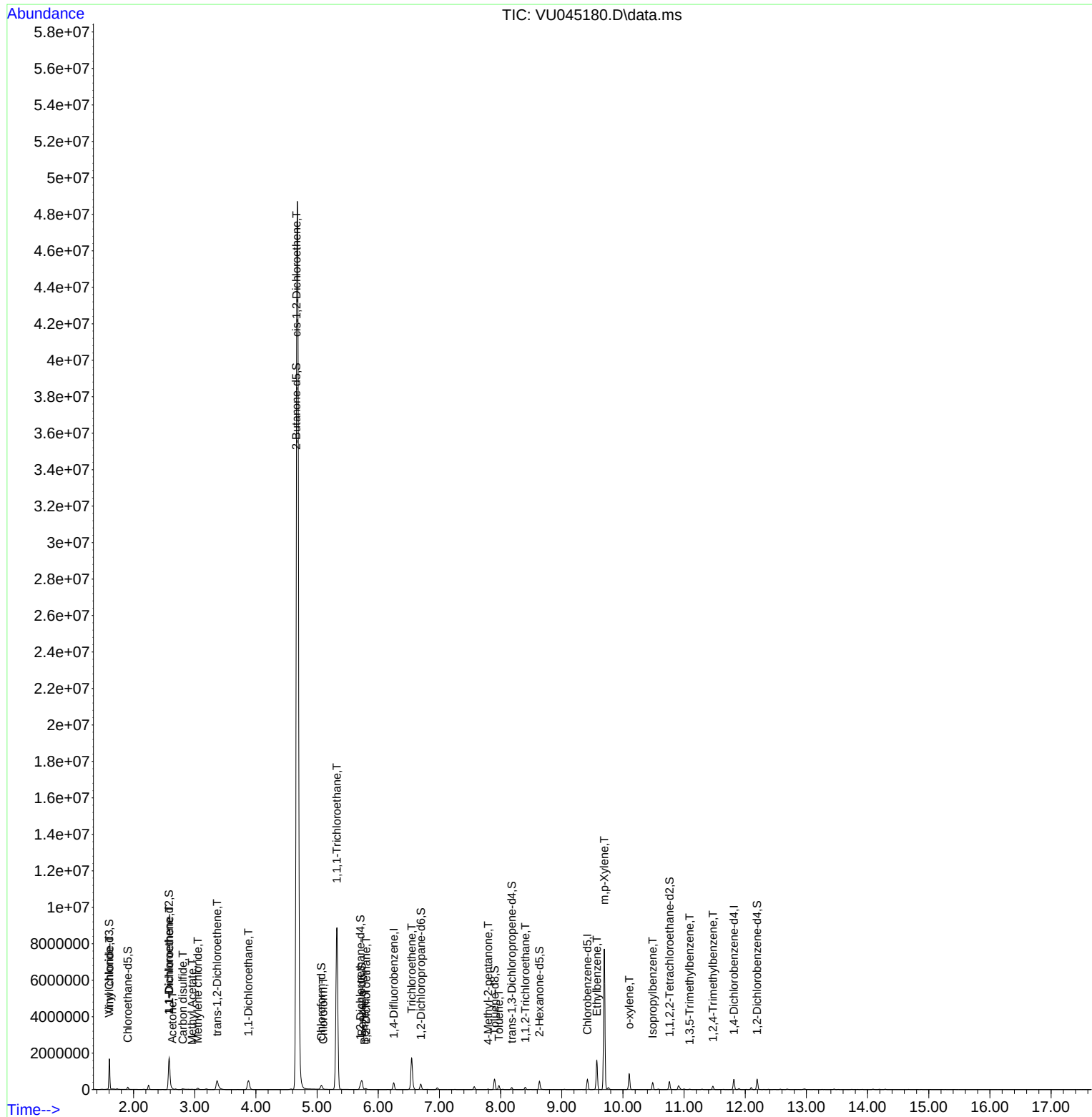
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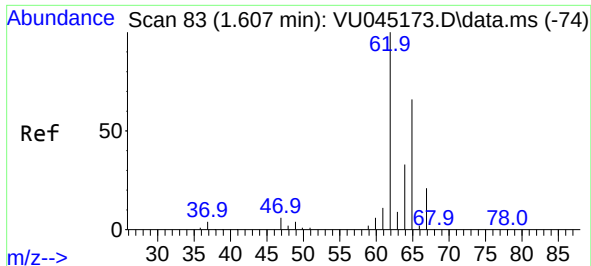
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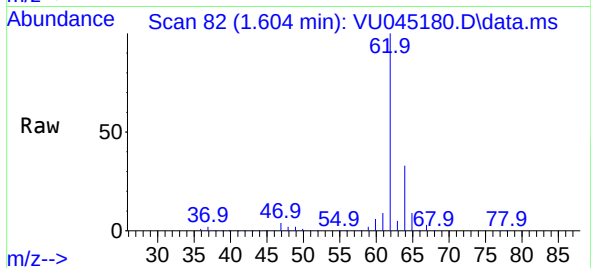
Quant Time: Oct 07 03:01:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 03:00:32 2021
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 295.652 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.003 min
 Lab File: VU045180.D
 Acq: 06 Oct 2021 13:01

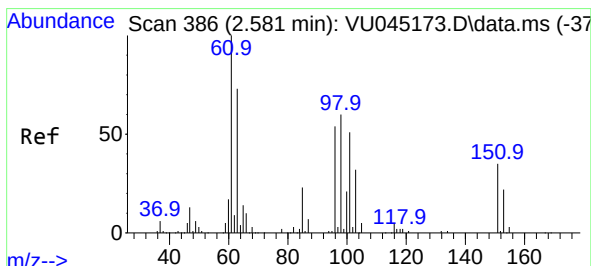
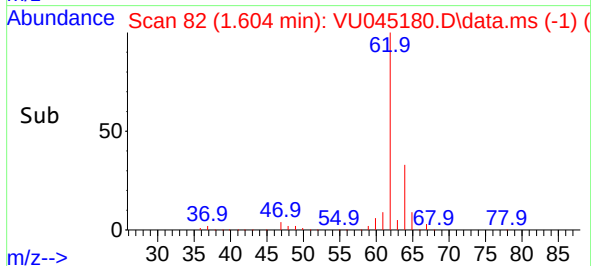
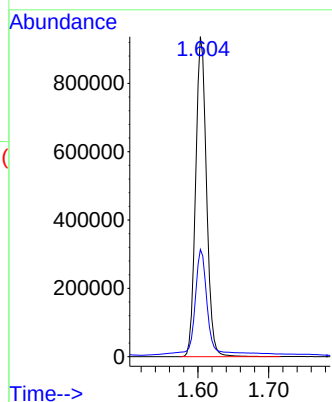
Instrument :
 MSVOA_U
 ClientSampled :
 C0AM2



Tgt Ion: 62 Resp: 1001815
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6

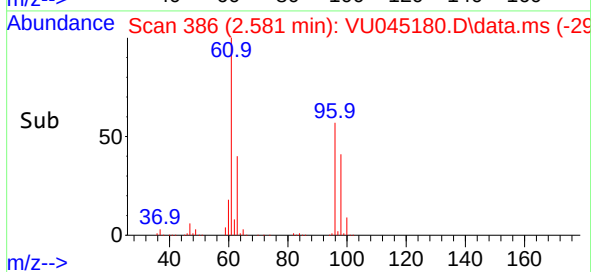
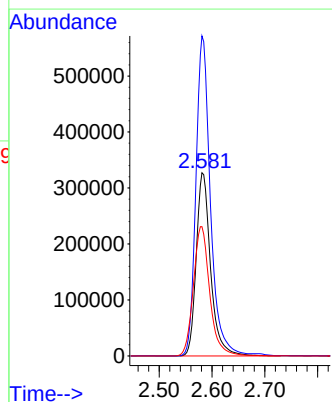
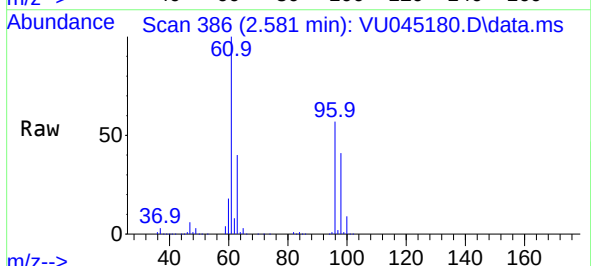
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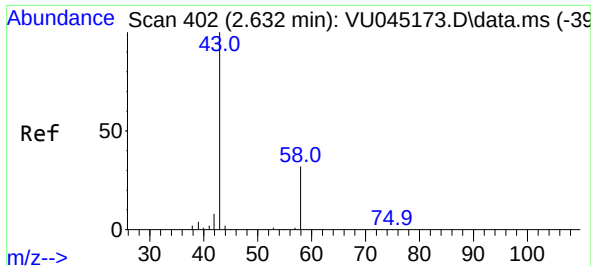
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#12
 1,1-Dichloroethene
 Concen: 276.128 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU045180.D
 Acq: 06 Oct 2021 13:01

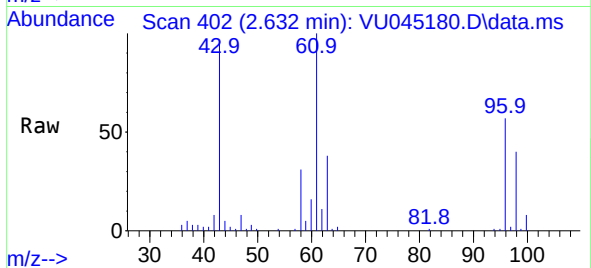
Tgt Ion: 96 Resp: 619659
 Ion Ratio Lower Upper
 96 100
 61 174.7 131.3 243.9
 63 70.5 102.5 190.3





#13
Acetone
Concen: 10.841 ug/L
RT: 2.632 min Scan# 402
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

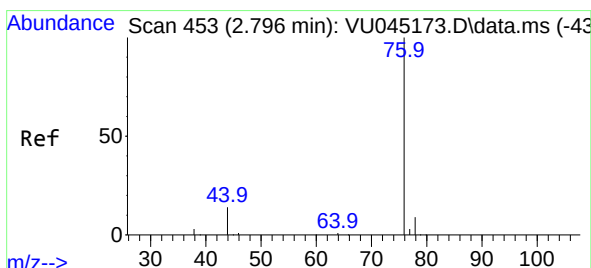
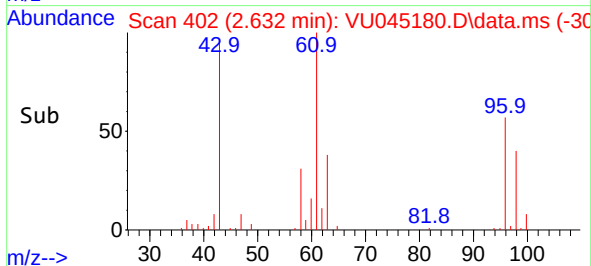
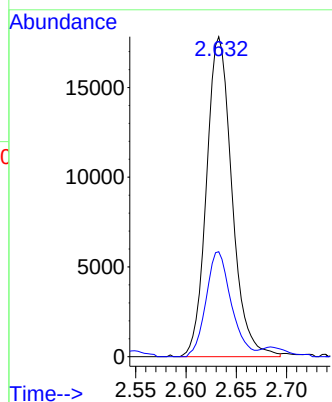
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MSVOA_U
ClientSampleId :
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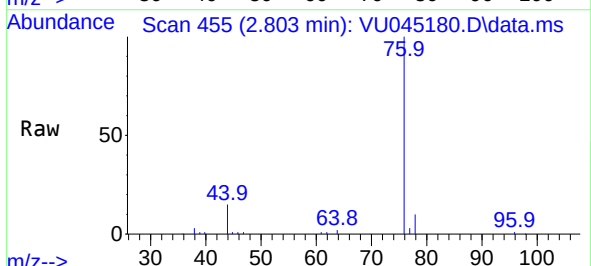
Tgt Ion: 43 Resp: 31429
Ion Ratio Lower Upper
43 100
58 32.3 0.0 62.8

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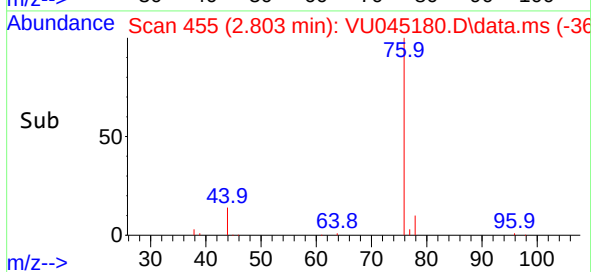
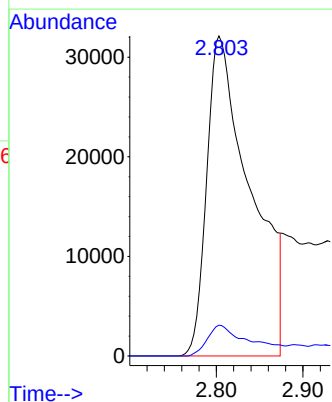
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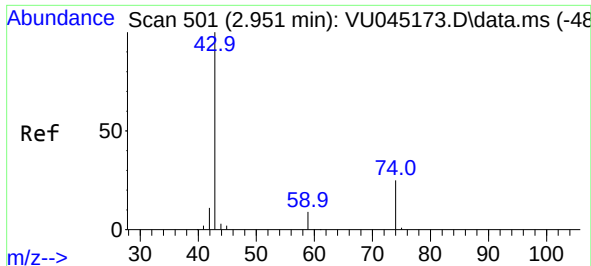


#14
Carbon disulfide
Concen: 15.673 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.006 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

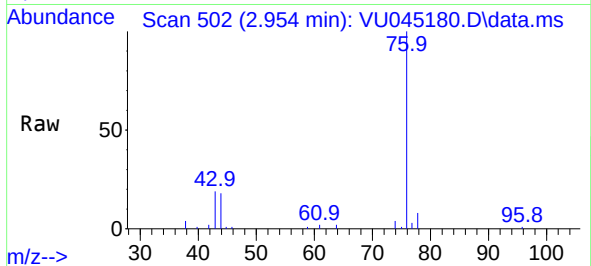


Tgt Ion: 76 Resp: 112681
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9

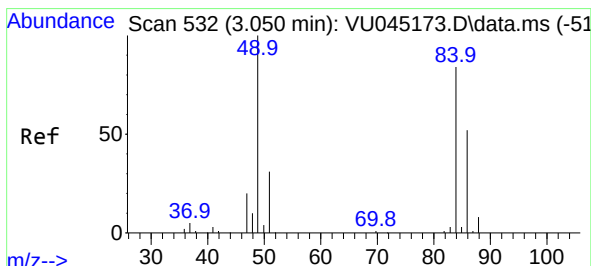
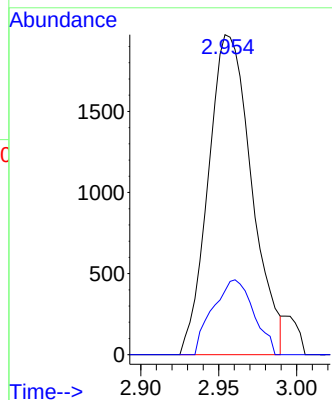
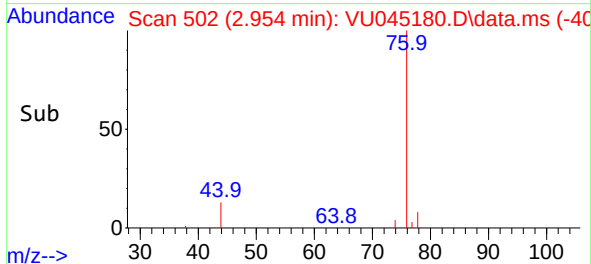




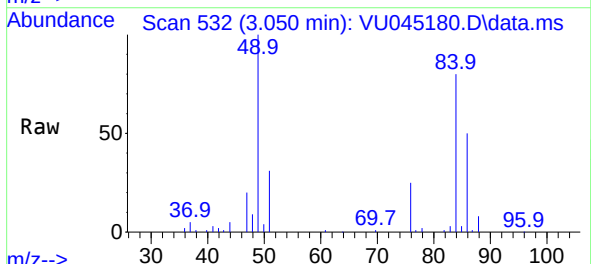
#15
Methyl Acetate
Concen: 1.067 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



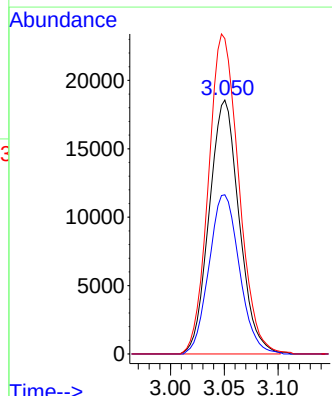
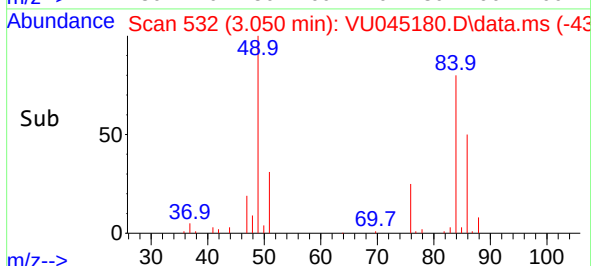
Tgt Ion: 43 Resp: 3815
Ion Ratio Lower Upper
43 100
74 22.1 18.4 27.6



#16
Methylene chloride
Concen: 12.659 ug/L
RT: 3.050 min Scan# 532
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



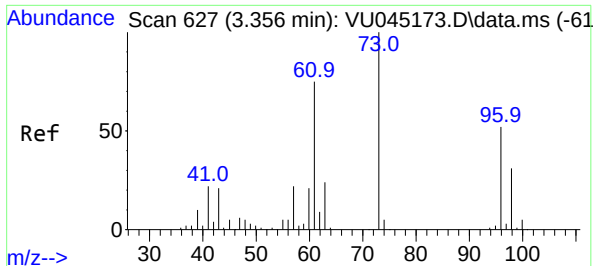
Tgt Ion: 84 Resp: 35990
Ion Ratio Lower Upper
84 100
86 62.7 44.7 83.1
49 124.2 92.9 172.5



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C0AM2

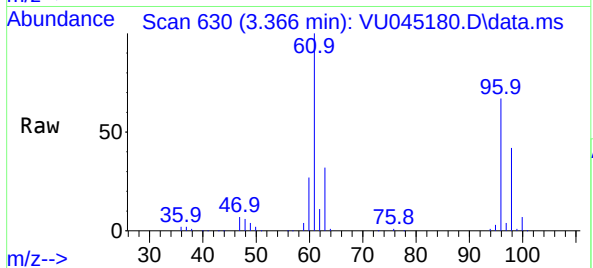
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#17
trans-1,2-Dichloroethene
Concen: 123.336 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.010 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

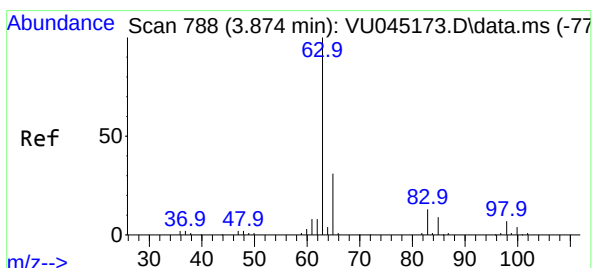
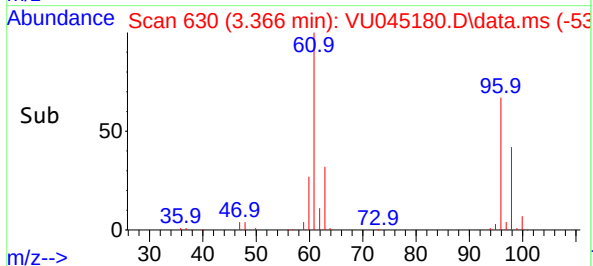
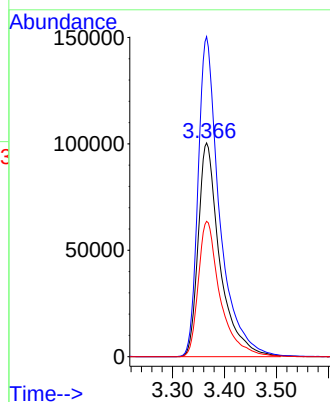
Instrument :
MSVOA_U
ClientSampled :
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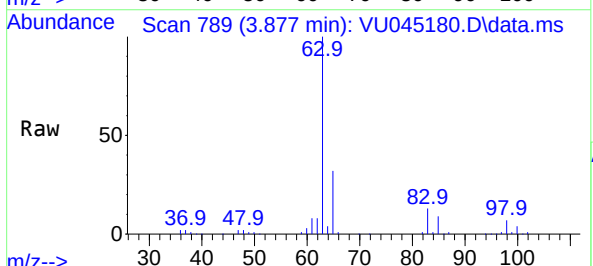
Tgt Ion: 96 Resp: 291564
Ion Ratio Lower Upper
96 100
61 149.7 105.1 195.3
98 63.3 43.0 79.8

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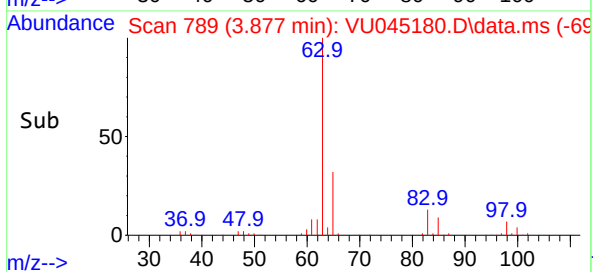
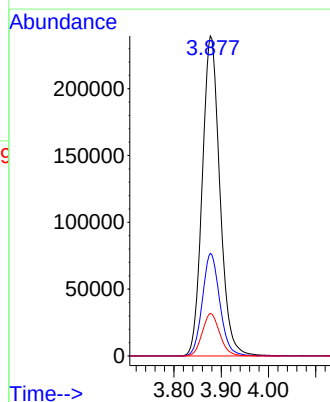
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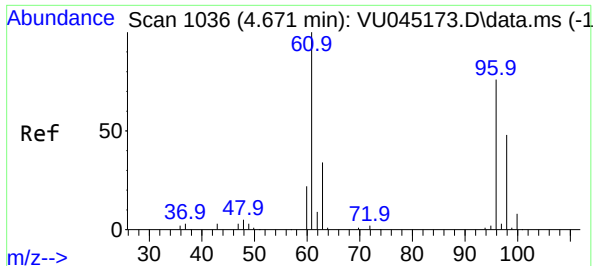


#19
1,1-Dichloroethane
Concen: 125.884 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



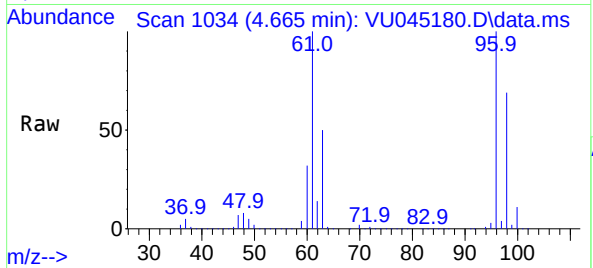
Tgt Ion: 63 Resp: 619093
Ion Ratio Lower Upper
63 100
65 32.0 22.0 40.8
83 13.3 9.0 16.6





#20
cis-1,2-Dichloroethene
Concen: 9914.291 ug/L m
RT: 4.665 min Scan# 1034
Delta R.T. -0.006 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

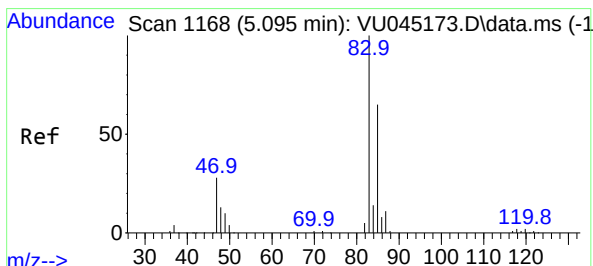
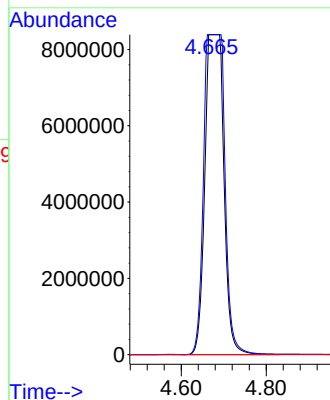
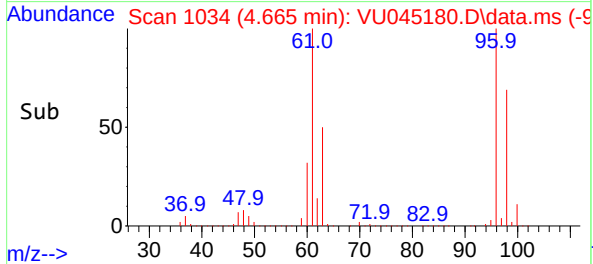
Instrument :
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ClientSampled :
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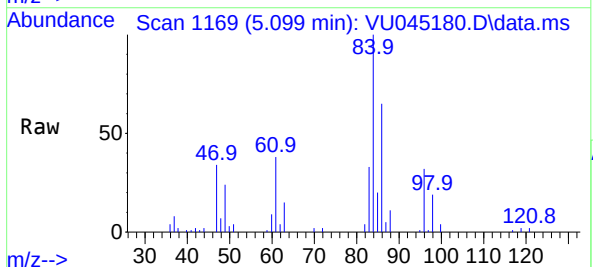
Tgt Ion: 96 Resp: 25825958
Ion Ratio Lower Upper
96 100
61 100.0 100.2 186.0#
68 0.0 0.0 0.0#

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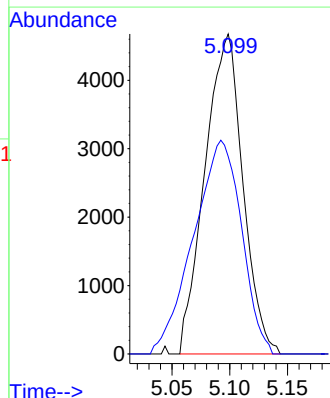
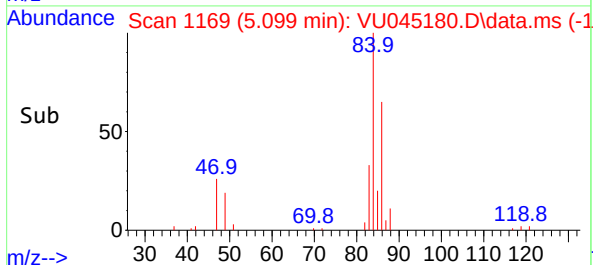
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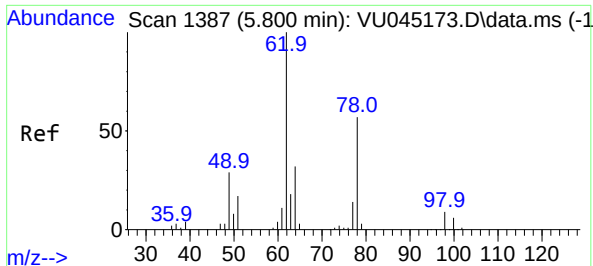


#25
Chloroform
Concen: 2.190 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.003 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



Tgt Ion: 83 Resp: 10706
Ion Ratio Lower Upper
83 100
85 61.7 45.6 84.6





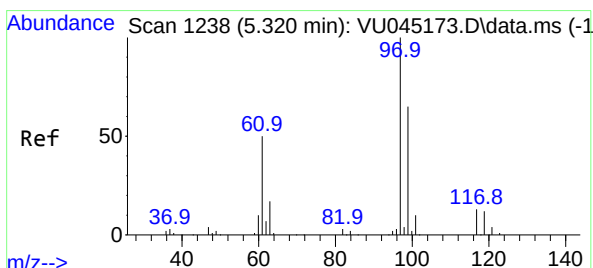
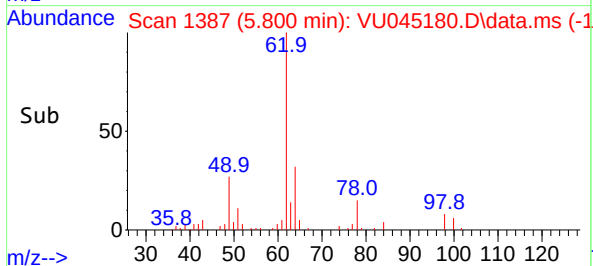
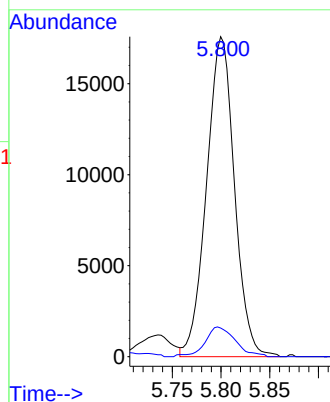
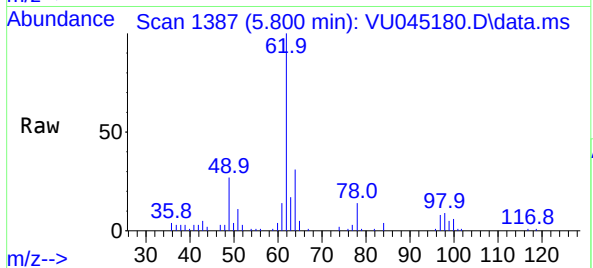
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1,2-Dichloroethane
Concen: 8.572 ug/L
RT: 5.800 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

Tgt Ion: 62 Resp: 35054
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

Instrument :
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C0AM2

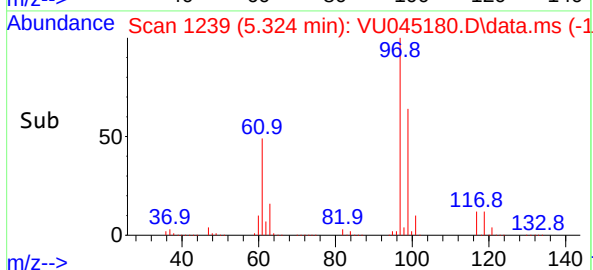
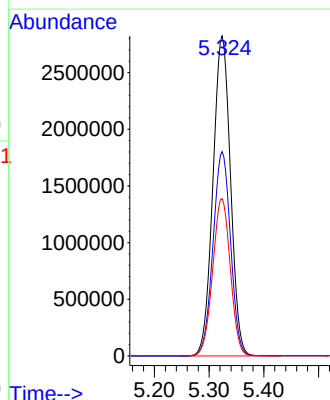
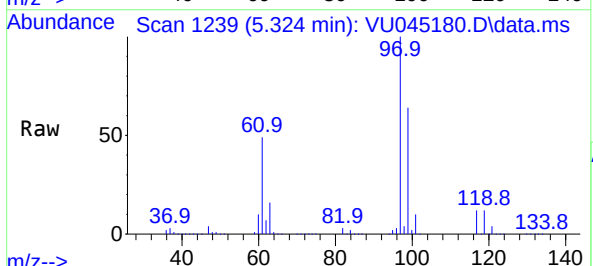
Manual Integrations
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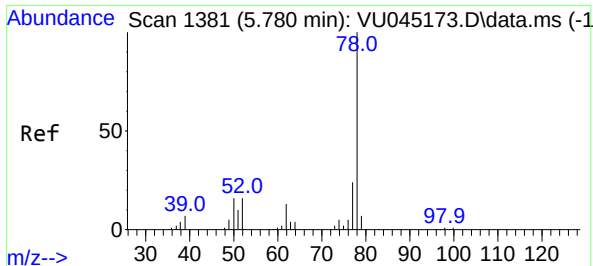
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#30
1,1,1-Trichloroethane
Concen: 1560.993 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.003 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

Tgt Ion: 97 Resp: 6282637
Ion Ratio Lower Upper
97 100
99 63.9 50.6 75.8
61 49.3 41.3 61.9





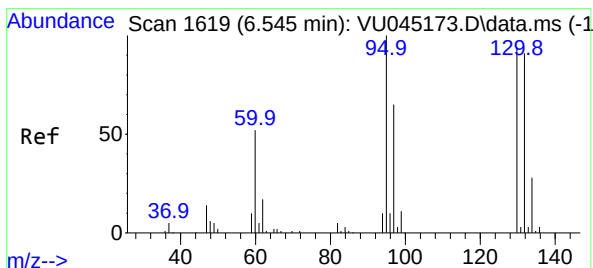
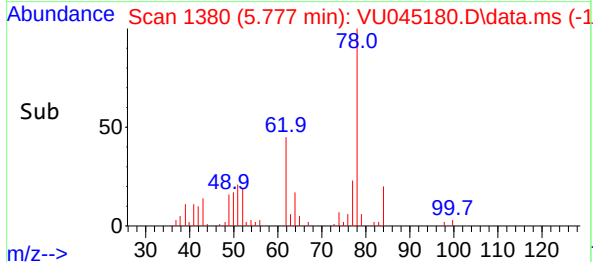
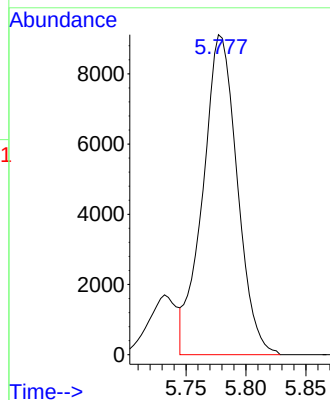
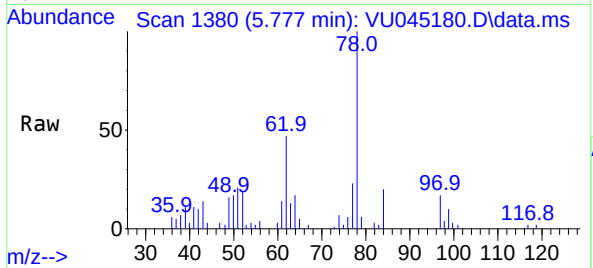
#33
Benzene
Concen: 1.686 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

Tgt Ion: 78 Resp: 18184

Instrument :
MSVOA_U
ClientSampled :
C0AM2

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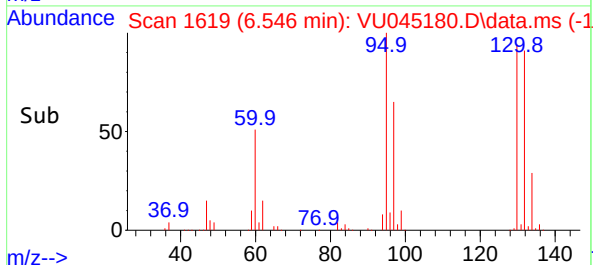
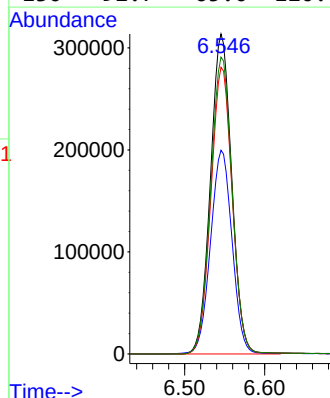
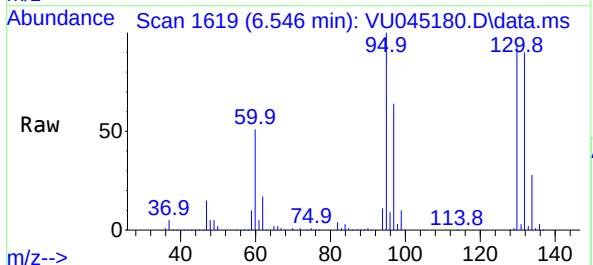
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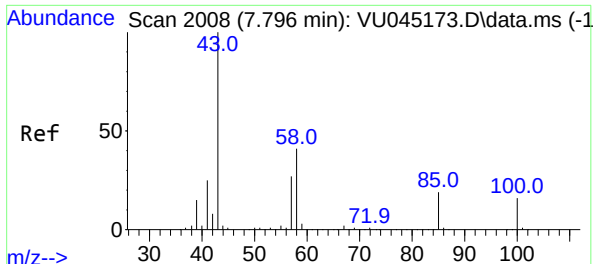


#34
Trichloroethene
Concen: 223.415 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

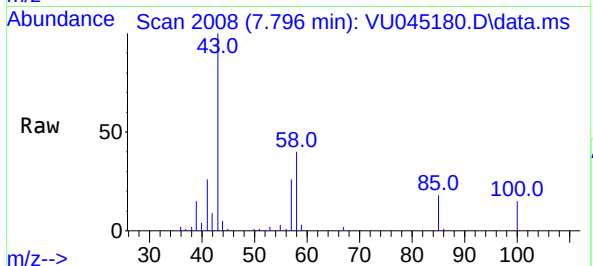
Tgt Ion: 95 Resp: 578677

Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.4	82.4
132	89.6	62.9	116.9
130	92.7	65.0	120.8

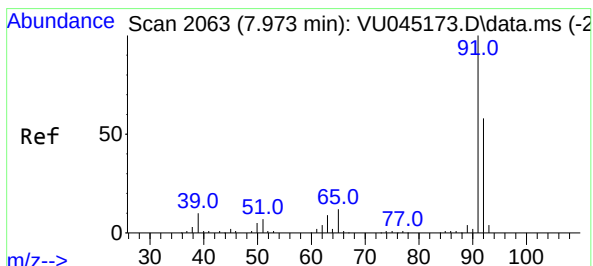
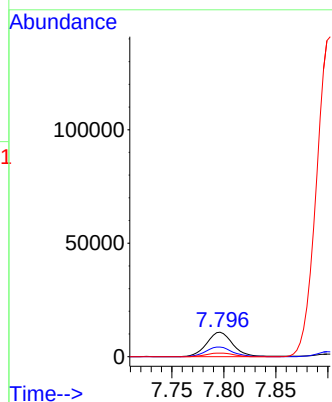
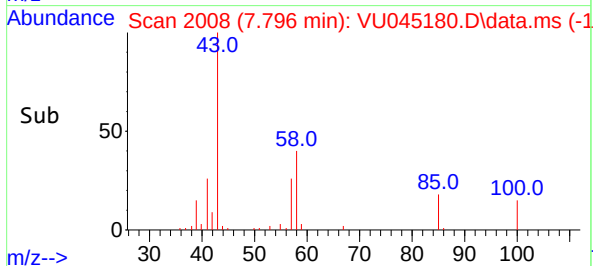




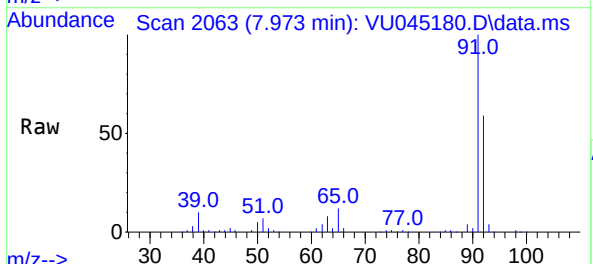
#40
4-Methyl-2-pentanone
Concen: 3.861 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



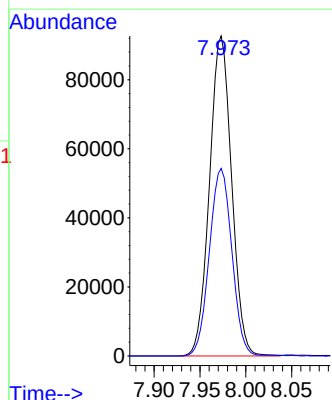
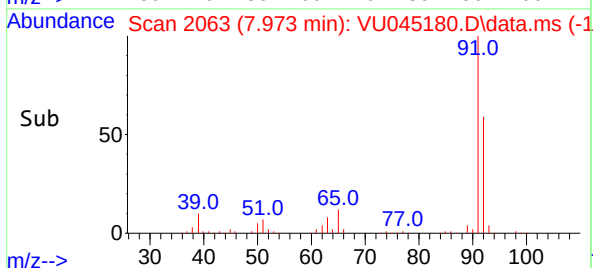
Tgt Ion: 43 Resp: 18936
Ion Ratio Lower Upper
43 100
58 40.0 31.8 47.8
100 15.0 11.8 17.6



#42
Toluene
Concen: 14.221 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



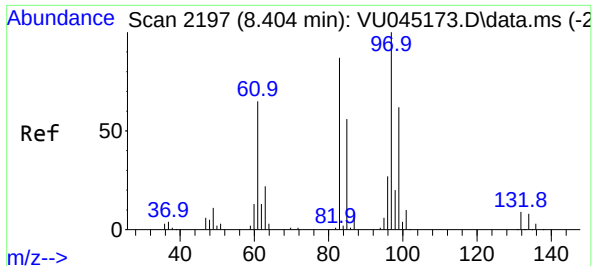
Tgt Ion: 91 Resp: 155818
Ion Ratio Lower Upper
91 100
92 58.6 40.5 75.1



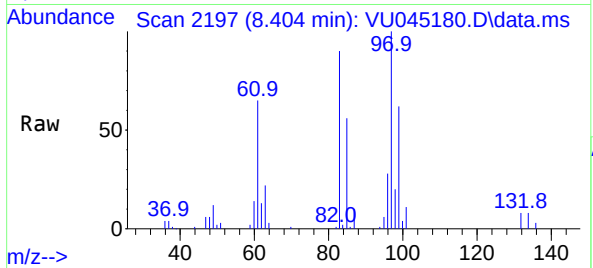
Instrument :
MSVOA_U
ClientSampled :
C0AM2

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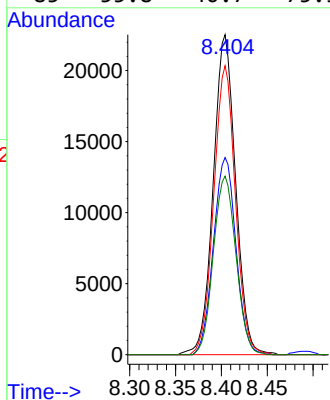


#45
1,1,2-Trichloroethane
Concen: 14.355 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



Tgt Ion: 97 Resp: 38195

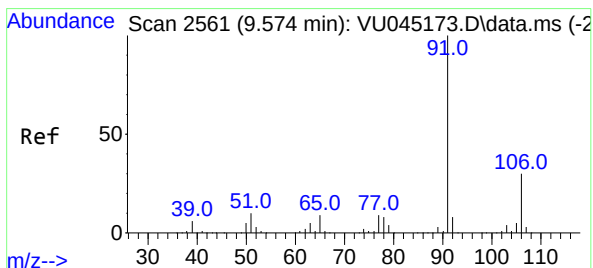
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.7	81.1
83	90.3	61.9	115.1
85	55.8	40.7	75.5



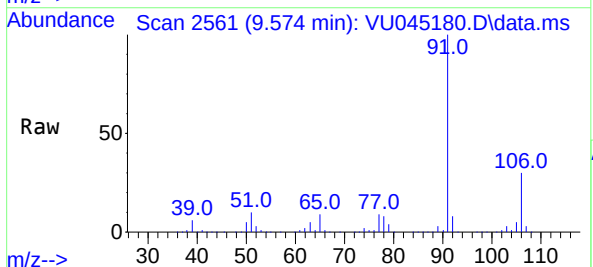
Instrument :
MSVOA_U
ClientSampled :
C0AM2

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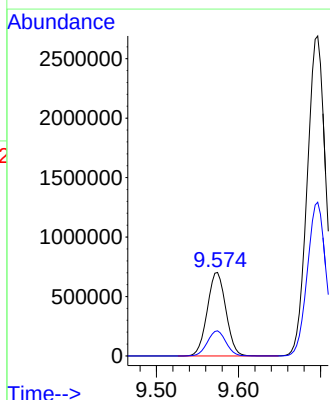
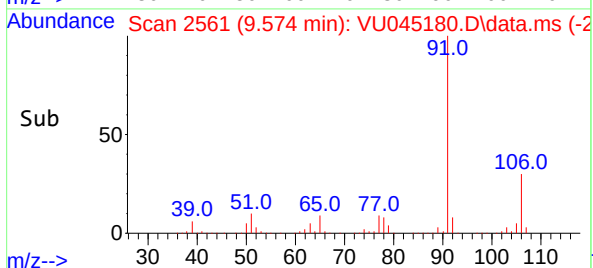


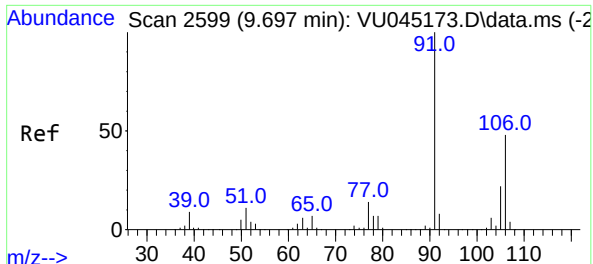
#52
Ethylbenzene
Concen: 95.970 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



Tgt Ion: 91 Resp: 1110831

Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.2	39.4





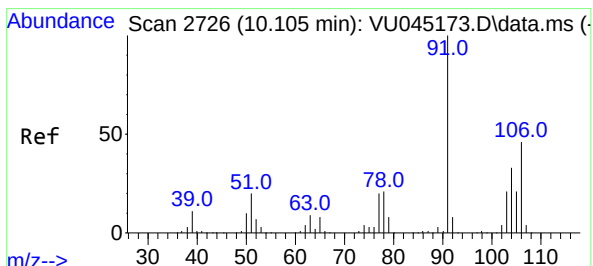
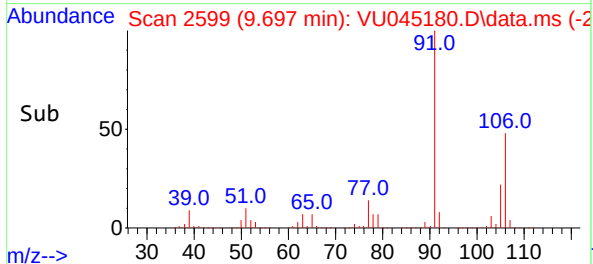
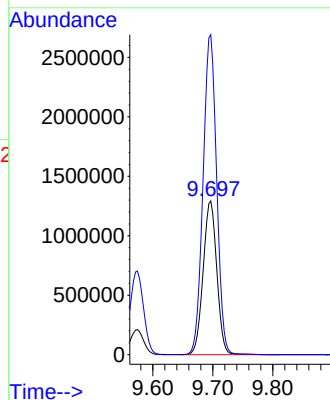
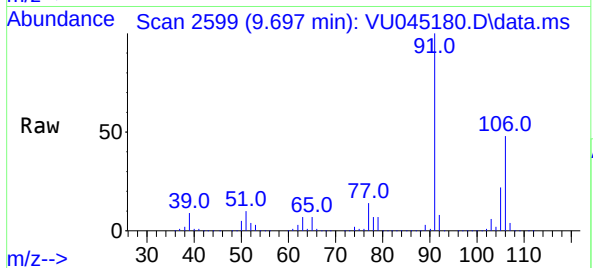
#53
m,p-Xylene
Concen: 467.156 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

Tgt Ion:106 Resp: 2048390
Ion Ratio Lower Upper
106 100
91 208.1 146.7 272.4

Instrument :
MSVOA_U
ClientSampled :
C0AM2

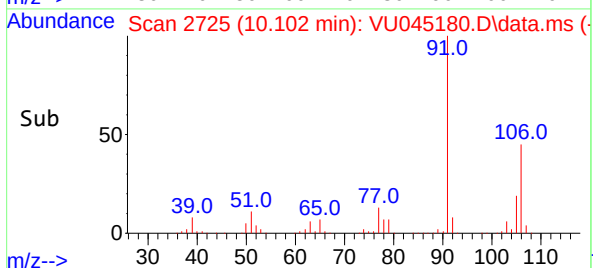
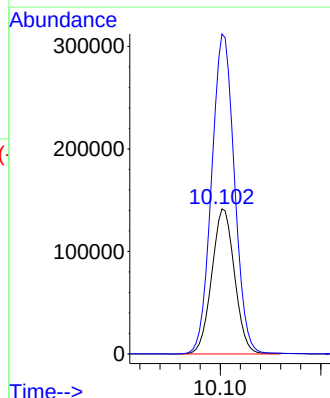
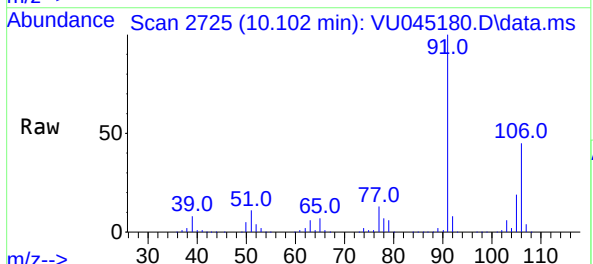
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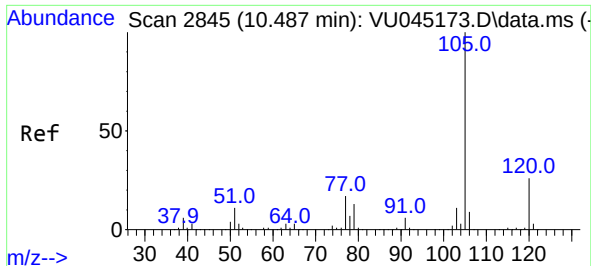
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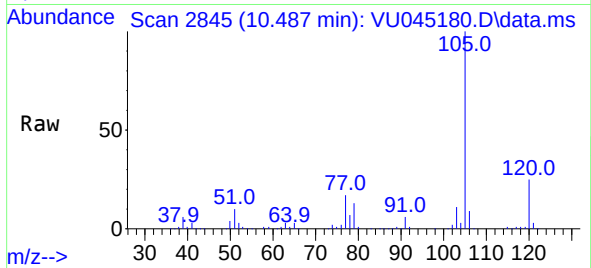
#54
o-xylene
Concen: 51.724 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.003 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01

Tgt Ion:106 Resp: 222868
Ion Ratio Lower Upper
106 100
91 220.6 152.9 283.9

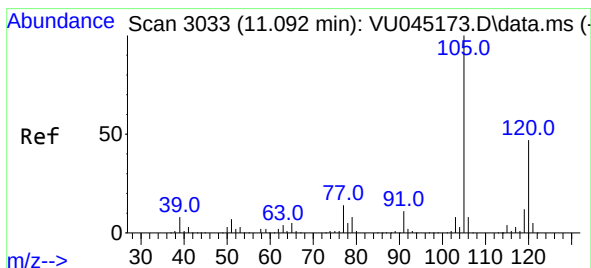
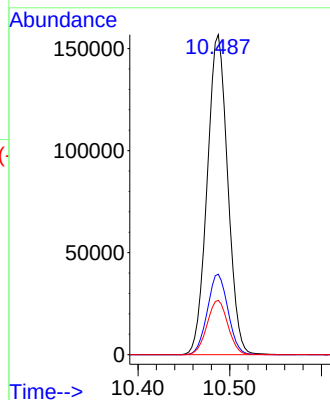
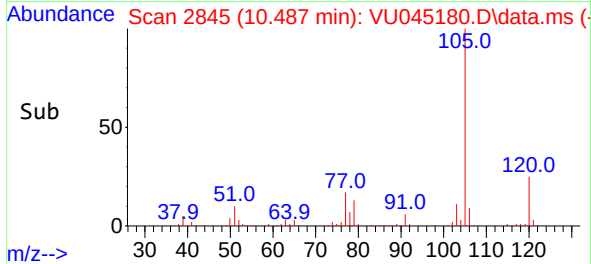




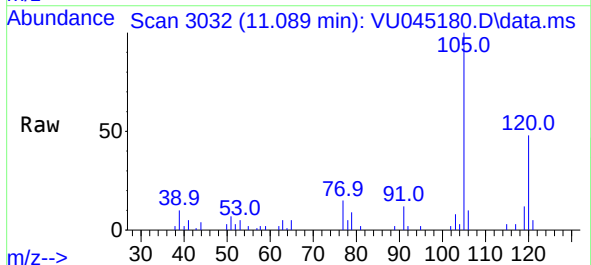
#61
Isopropylbenzene
Concen: 24.473 ug/L
RT: 10.487 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



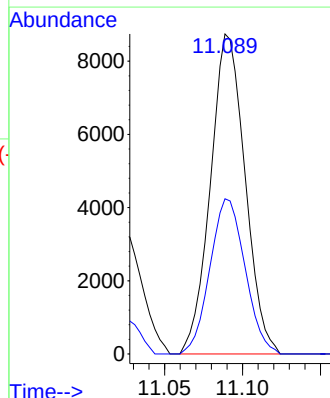
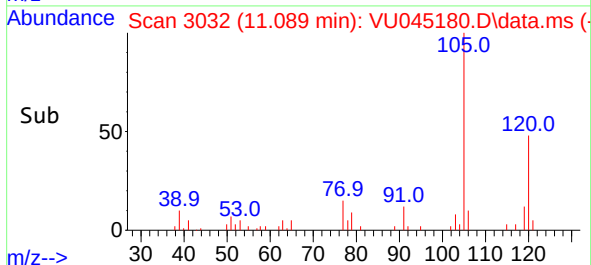
Tgt Ion:105 Resp: 243869
Ion Ratio Lower Upper
105 100
120 25.3 20.5 30.7
77 17.2 13.5 20.3



#62
1,3,5-Trimethylbenzene
Concen: 1.621 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU045180.D
Acq: 06 Oct 2021 13:01



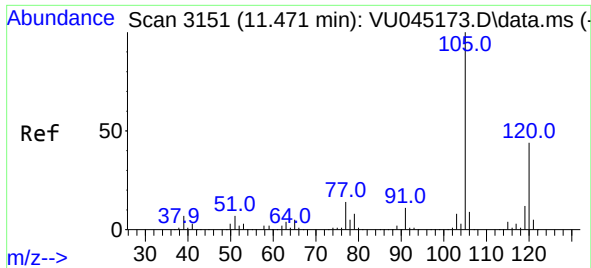
Tgt Ion:105 Resp: 13491
Ion Ratio Lower Upper
105 100
120 49.2 38.8 58.2



Instrument :
MSVOA_U
ClientSampled :
C0AM2

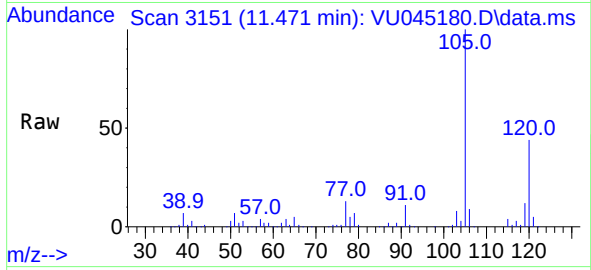
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#63
 1,2,4-Trimethylbenzene
 Concen: 11.538 ug/L
 RT: 11.471 min Scan# 3151
 Delta R.T. 0.000 min
 Lab File: VU045180.D
 Acq: 06 Oct 2021 13:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AM2



Tgt Ion:105 Resp: 98326
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.7 53.5

Manual Integrations
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