

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047643.D
 Acq On : 24 Mar 2022 19:38
 Operator : SY/MD
 Sample : N2081-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X1

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 24 23:48:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:34:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	65009	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	69048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	44636	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	24285	51.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.020%	
7) Chloroethane-d5	1.919	69	18103	48.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 97.400%	
11) 1,1-Dichloroethene-d2	2.578	63	46846	54.314	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 108.620%	
21) 2-Butanone-d5	4.646	46	44012	108.770	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 108.770%	
24) Chloroform-d	5.067	84	42748	49.558	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.120%	
26) 1,2-Dichloroethane-d4	5.707	65	28168	53.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.480%	
32) Benzene-d6	5.729	84	86219	49.624	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.240%	
36) 1,2-Dichloropropane-d6	6.694	67	26555	49.767	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 99.540%	
41) Toluene-d8	7.899	98	76149	44.985	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 89.960%	
43) trans-1,3-Dichloroprop...	8.182	79	12658	46.825	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 93.660%	
47) 2-Hexanone-d5	8.639	63	27802	89.006	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 89.010%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44241	48.313	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 96.620%	
66) 1,2-Dichlorobenzene-d4	12.195	152	38884	48.965	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	503	0.835	ug/L	93
5) Vinyl chloride	1.607	62	85754	145.880	ug/L	97
8) Chloroethane	1.938	64	649195	1759.230	ug/L	100
9) Trichlorofluoromethane	2.144	101	4651	5.611	ug/L	100
12) 1,1-Dichloroethene	2.585	96	29849	66.936	ug/L	90
13) Acetone	2.665	43	2055m	5.457	ug/L	
17) trans-1,2-Dichloroethene	3.359	96	13097	27.230	ug/L	98
19) 1,1-Dichloroethane	3.874	63	1390639	1676.418	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	1137305	2156.817	ug/L	97
27) 1,2-Dichloroethane	5.803	62	4836	7.009	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	3009980	3844.493	ug/L	100
33) Benzene	5.781	78	9977	4.992	ug/L	100
34) Trichloroethene	6.543	95	19868	37.918	ug/L	94
35) Methylcyclohexane	6.764	83	3083	3.868	ug/L	92
40) 4-Methyl-2-pentanone	7.800	43	1466	1.826	ug/L #	76
42) Toluene	7.970	91	191271	87.221	ug/L	99
46) Tetrachloroethene	8.555	164	38942	82.703	ug/L	100
52) Ethylbenzene	9.571	91	52945	22.962	ug/L	100
53) m,p-Xylene	9.694	106	50012	55.277	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.102	106	29984	33.766	ug/L	97
61) Isopropylbenzene	10.485	105	9703	4.022	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	30742	23.487	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	153517	77.216	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	1382	0.995	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	9157	6.825	ug/L	98

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 Dadoda

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

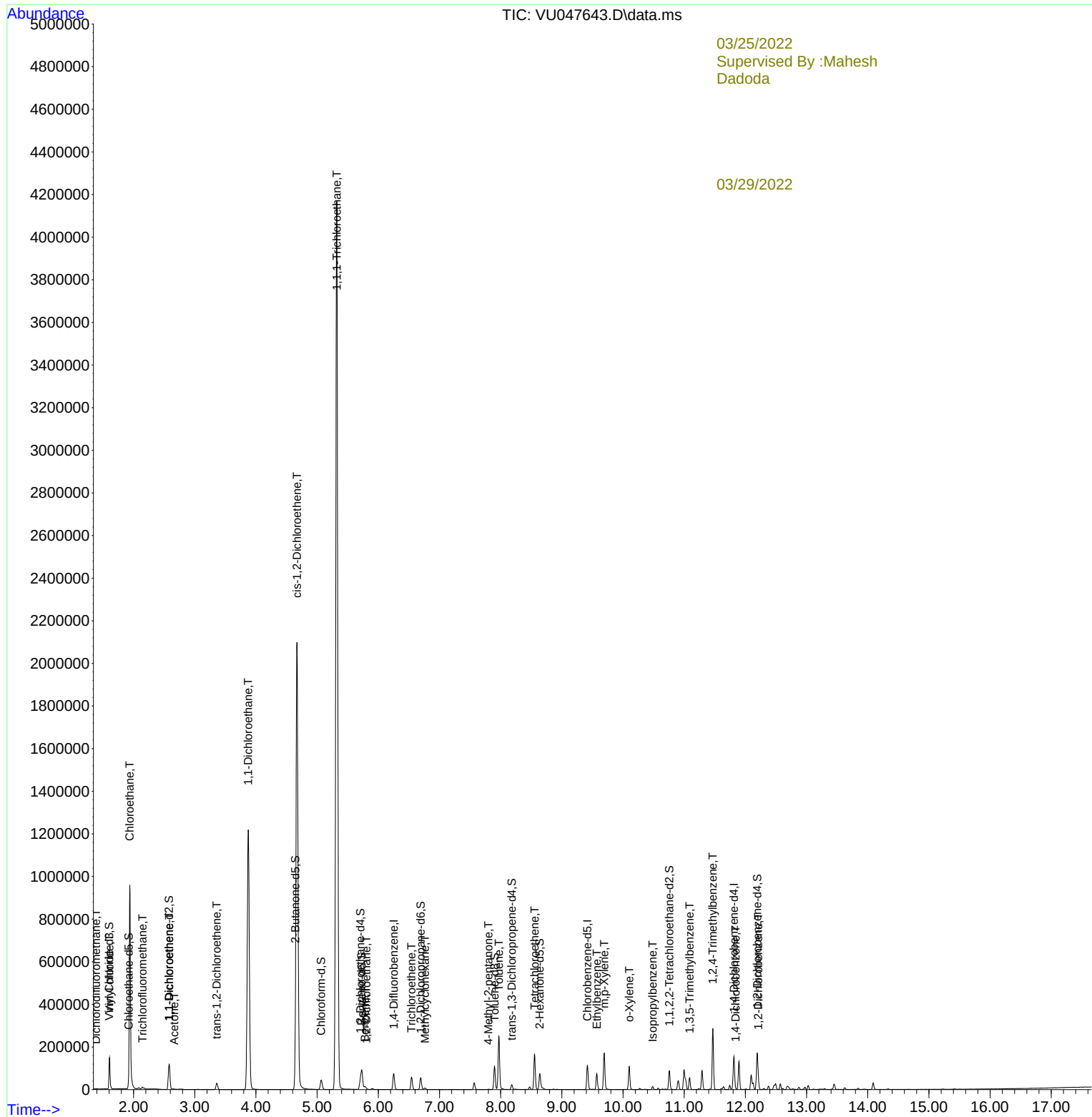
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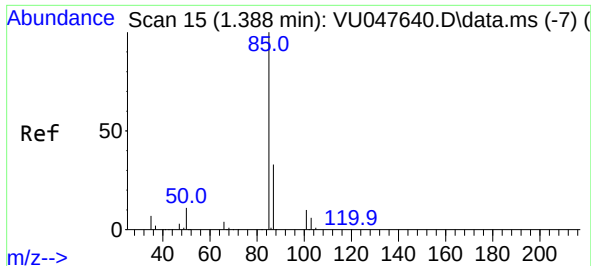
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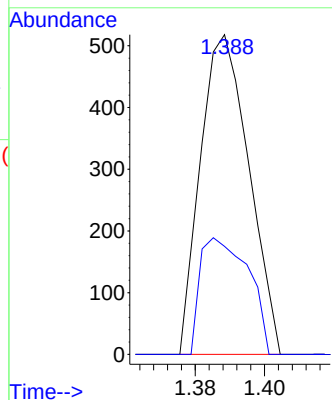
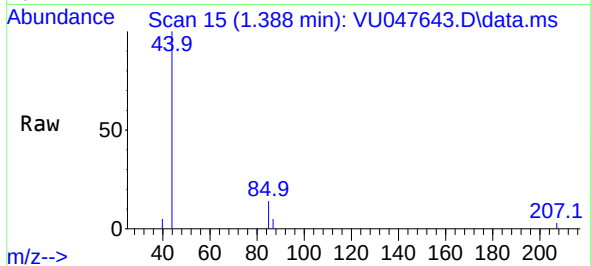
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Dichlorodifluoromethane
Concen: 0.835 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

Instrument :
MSVOA_U
ClientSampleId :
EW5X1

Tgt Ion: 85 Resp: 500
Ion Ratio Lower Upper
85 100
87 36.4 25.8 38.8

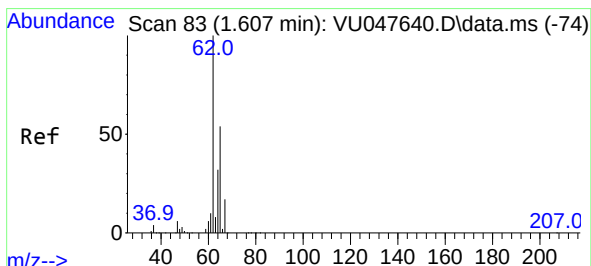
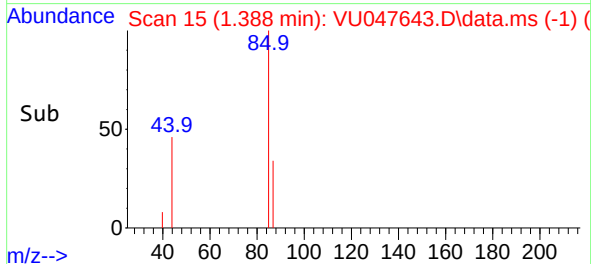
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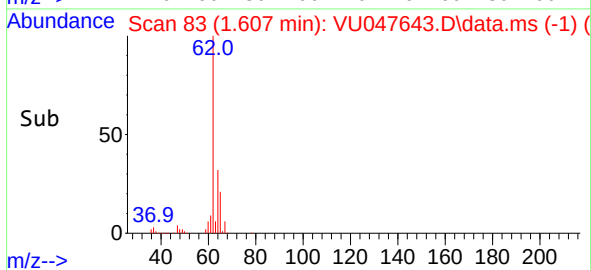
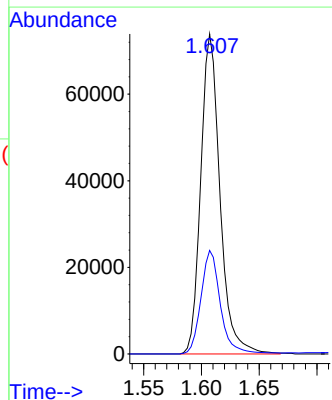
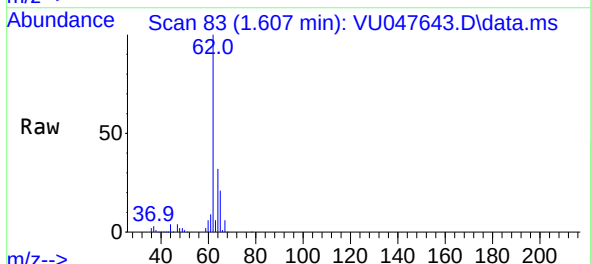
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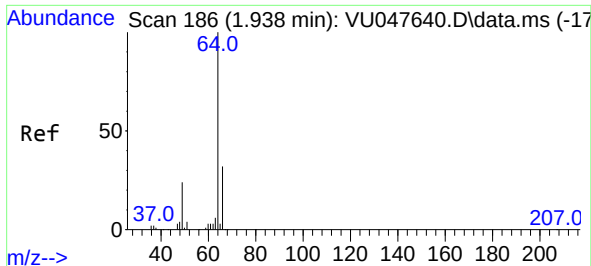
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#5
Vinyl chloride
Concen: 145.880 ug/L
RT: 1.607 min Scan# 83
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

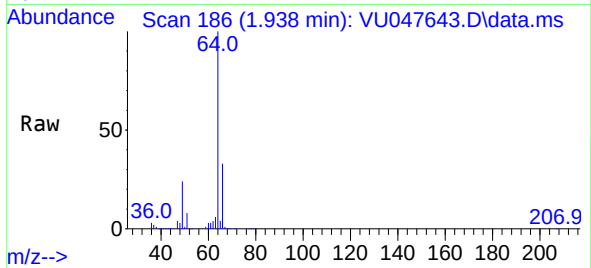
Tgt Ion: 62 Resp: 85754
Ion Ratio Lower Upper
62 100
64 32.4 23.7 43.9





#8
Chloroethane
Concen: 1759.230 ug/L
RT: 1.938 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

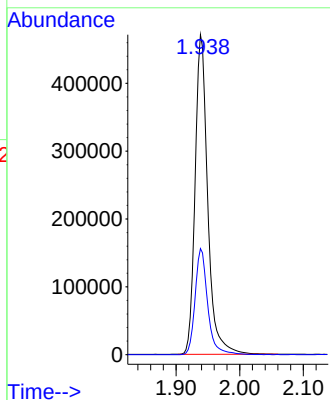
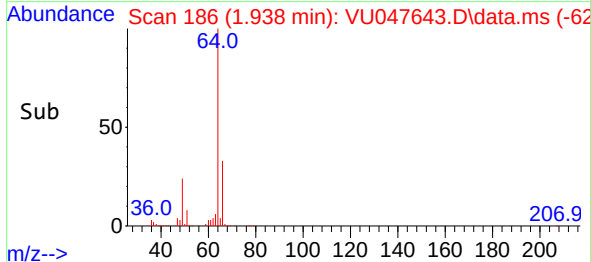
Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 64 Resp: 64919
Ion Ratio Lower Upper
64 100
66 33.2 23.3 43.3

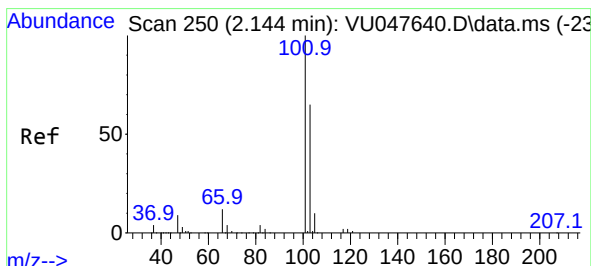
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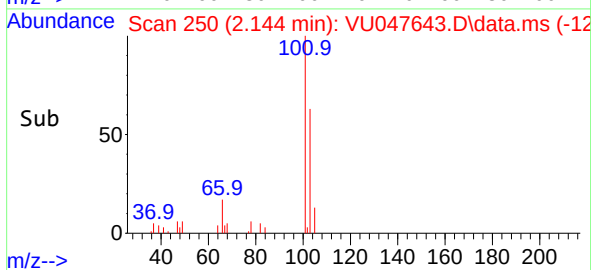
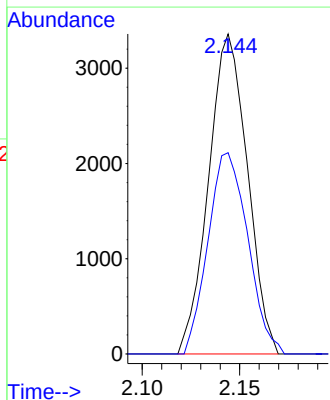
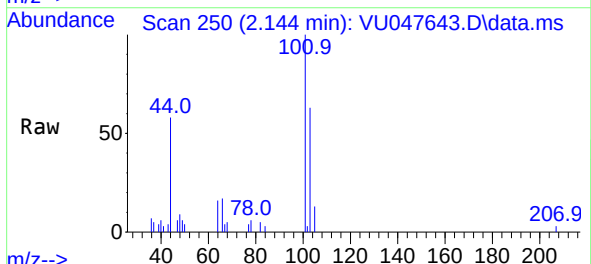
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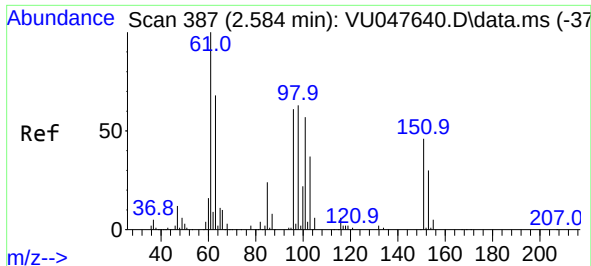
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#9
Trichlorofluoromethane
Concen: 5.611 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

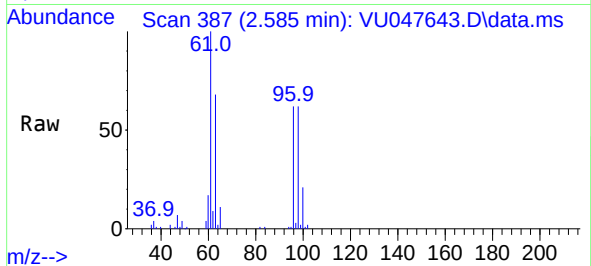
Tgt Ion:101 Resp: 4651
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.2





#12
1,1-Dichloroethene
Concen: 66.936 ug/L
RT: 2.585 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

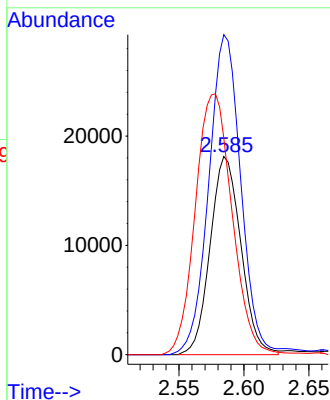
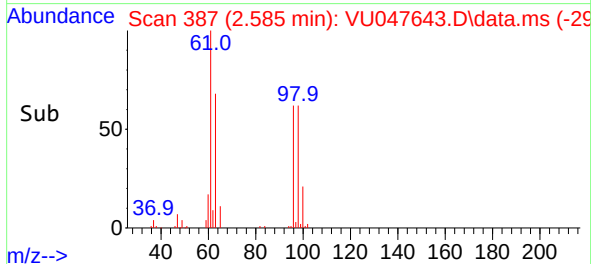
Instrument :
MSVOA_U
ClientSampleId :
EW5X1



Tgt Ion: 96 Resp: 29849
Ion Ratio Lower Upper
96 100
61 161.5 113.1 210.1
63 109.4 94.8 176.0

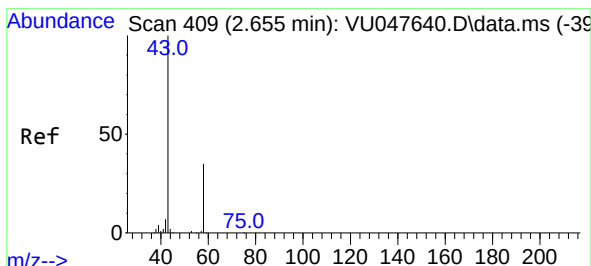
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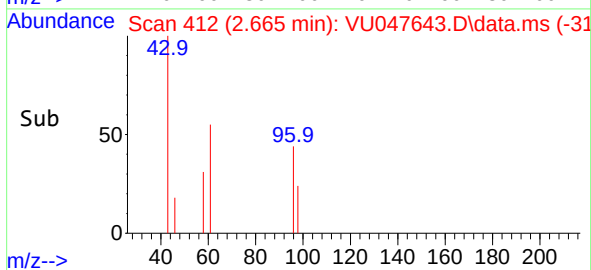
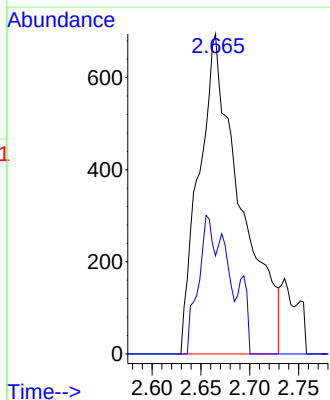
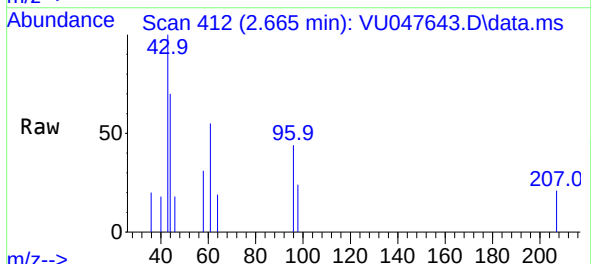
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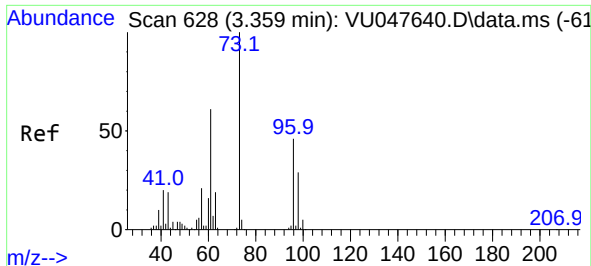
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#13
Acetone
Concen: 5.457 ug/L m
RT: 2.665 min Scan# 412
Delta R.T. 0.010 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

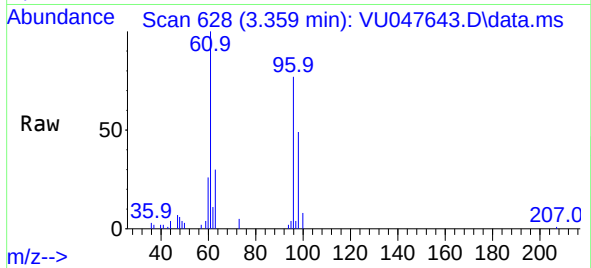
Tgt Ion: 43 Resp: 2055
Ion Ratio Lower Upper
43 100
58 11.1 0.0 70.0





#17
trans-1,2-Dichloroethene
Concen: 27.230 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

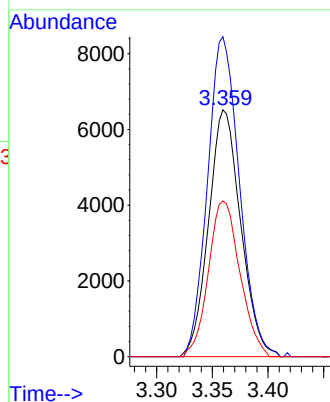
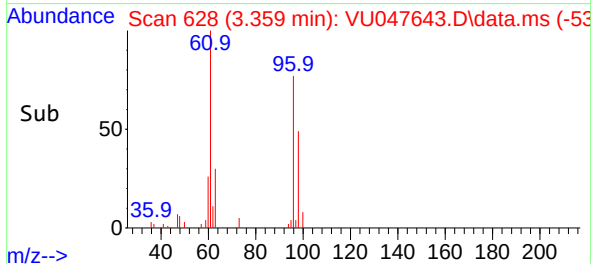
Instrument :
MSVOA_U
ClientSampleId :
EW5X1



Tgt Ion: 96 Resp: 1309
Ion Ratio Lower Upper
96 100
61 129.7 88.4 164.2
98 63.1 43.3 80.5

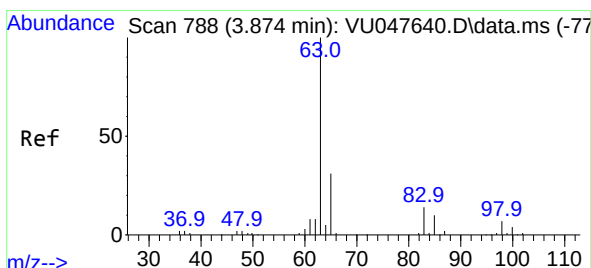
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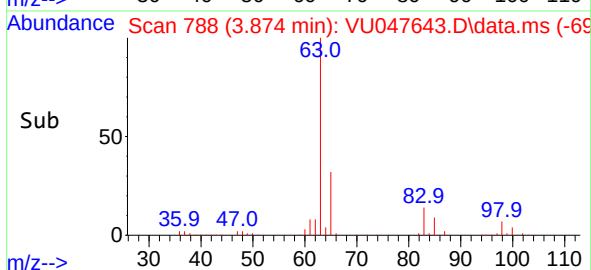
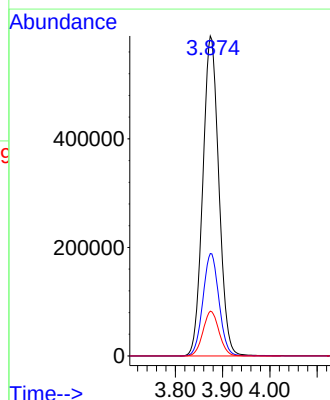
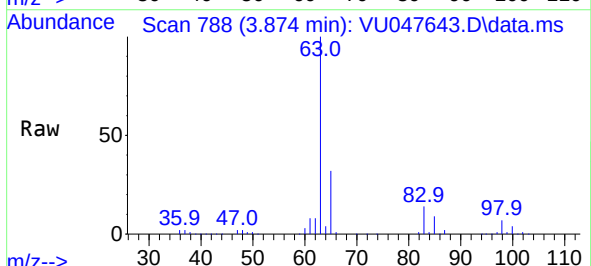
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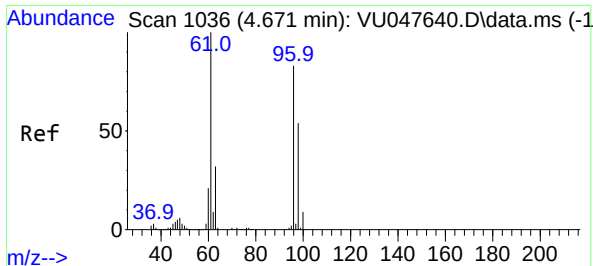
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#19
1,1-Dichloroethane
Concen: 1676.418 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

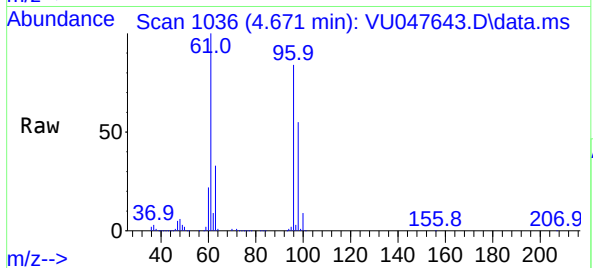
Tgt Ion: 63 Resp: 1390639
Ion Ratio Lower Upper
63 100
65 32.0 22.0 41.0
83 14.0 9.7 18.1





cis-1,2-Dichloroethene
Concen: 2156.817 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

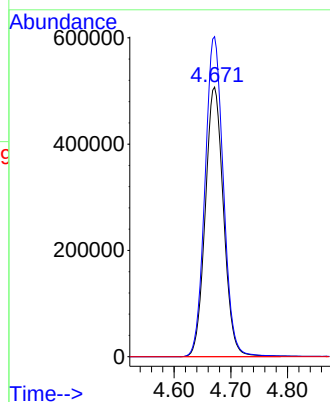
Instrument :
MSVOA_U
ClientSampleId :
EW5X1



Tgt Ion: 96 Resp: 113730
Ion Ratio Lower Upper
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61 118.7 80.7 149.9
68 0.0 0.0 0.0

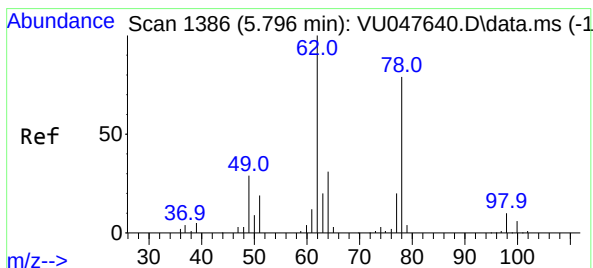
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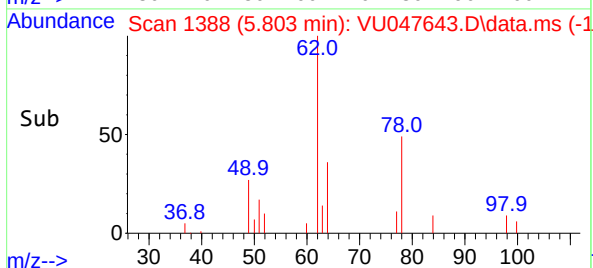
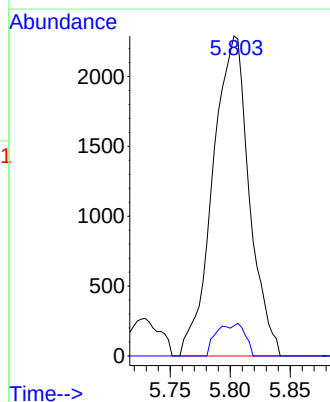
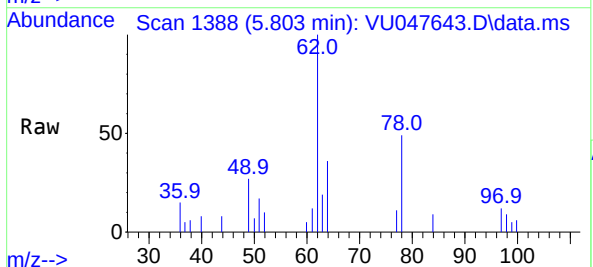
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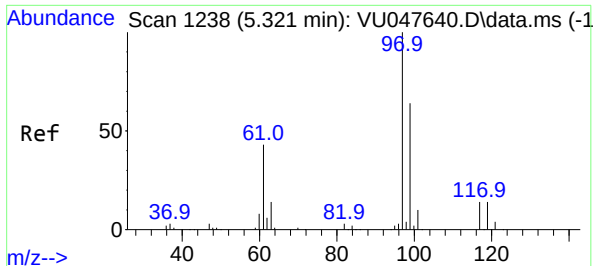
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1,2-Dichloroethane
Concen: 7.009 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.007 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

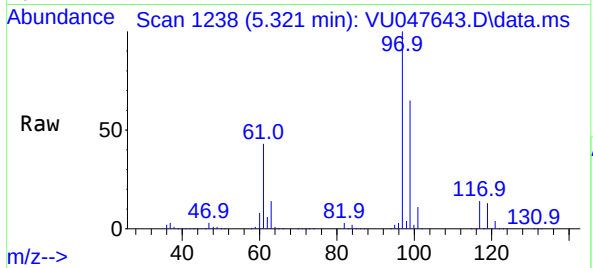
Tgt Ion: 62 Resp: 4836
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.0





#30
1,1,1-Trichloroethane
Concen: 3844.493 ug/L
RT: 5.321 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

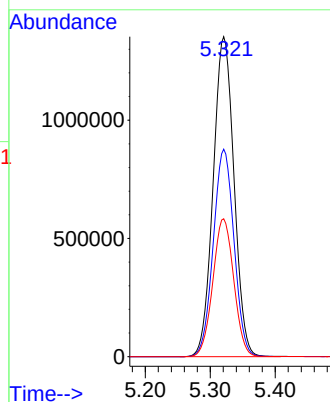
Instrument :
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Tgt Ion: 97 Resp: 3009980
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 43.3 34.2 51.4

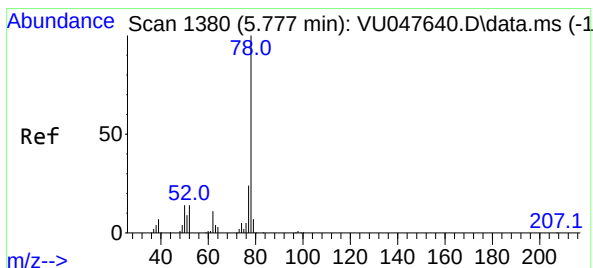
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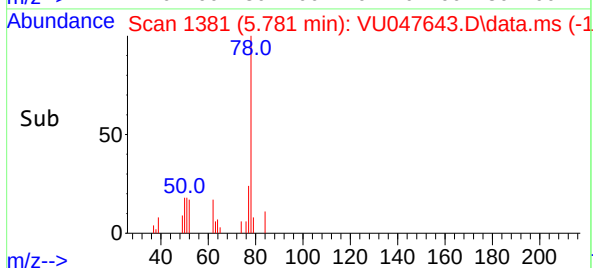
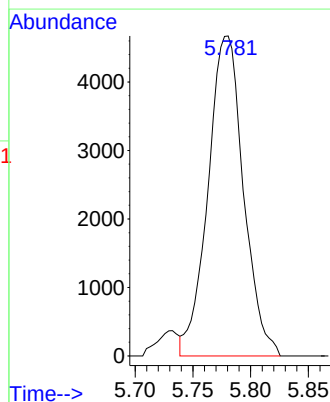
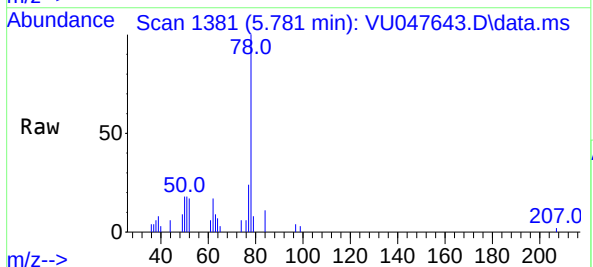
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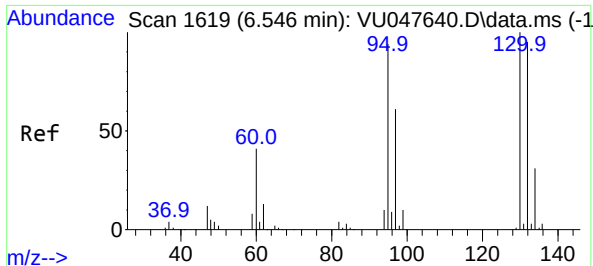
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#33
Benzene
Concen: 4.992 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

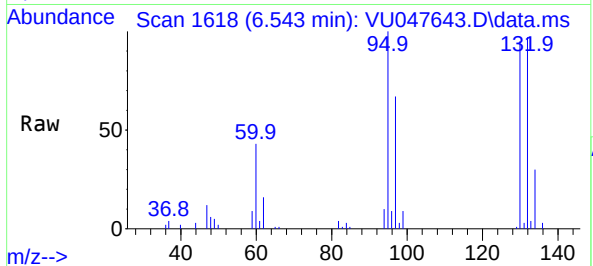
Tgt Ion: 78 Resp: 9977





#34
Trichloroethene
Concen: 37.918 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

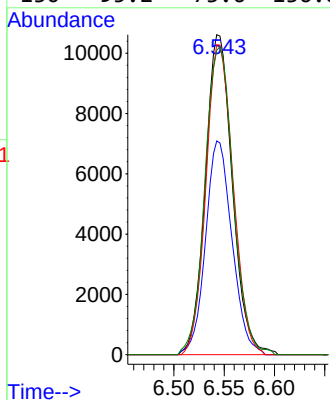
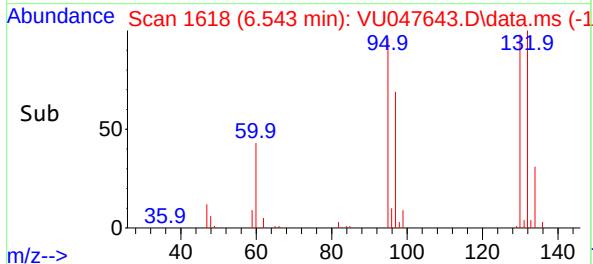
Instrument :
MSVOA_U
ClientSampleId :
EW5X1



Tgt Ion: 95 Resp: 1986
Ion Ratio Lower Upper
95 100
97 66.8 44.7 82.9
132 96.8 70.4 130.8
130 95.2 73.6 136.8

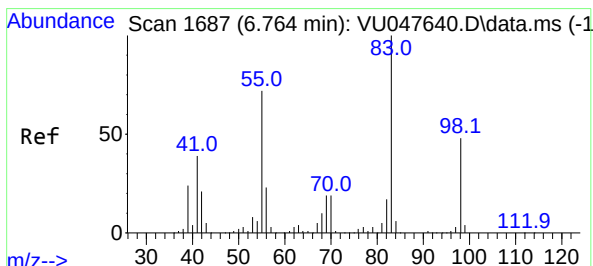
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Reviewed By :John
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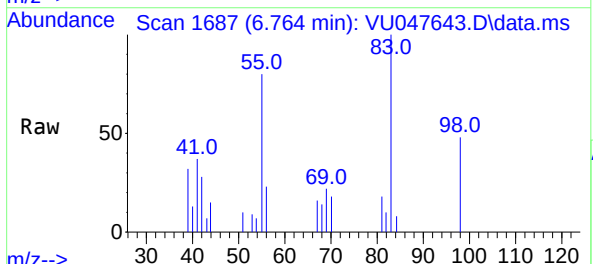


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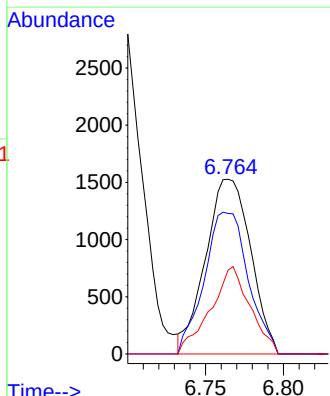
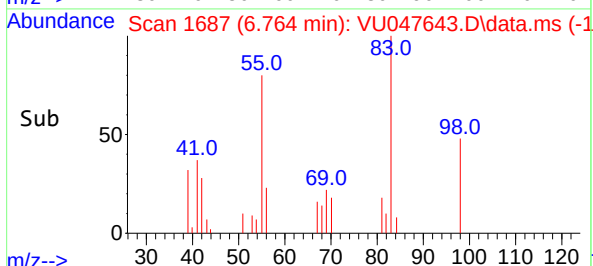
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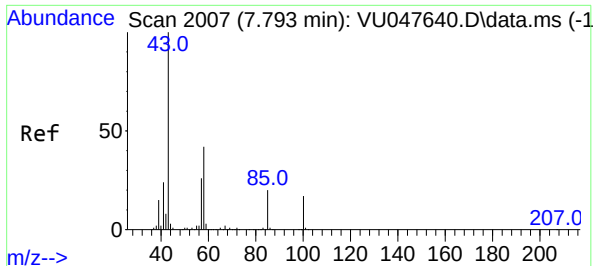


#35
Methylcyclohexane
Concen: 3.868 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38



Tgt Ion: 83 Resp: 3083
Ion Ratio Lower Upper
83 100
55 78.8 56.8 85.2
98 43.8 38.1 57.1





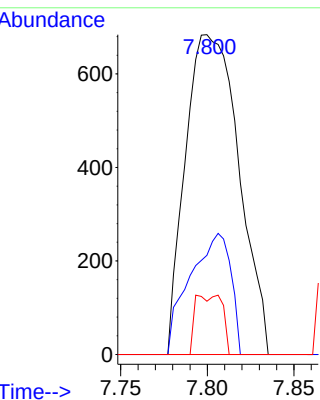
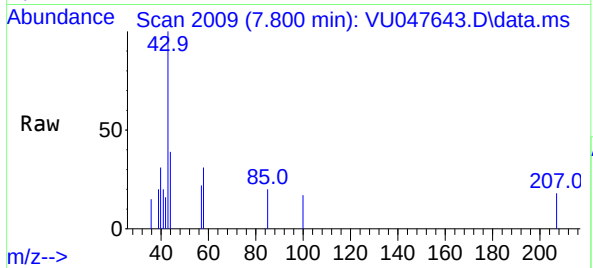
#40
4-Methyl-2-pentanone
Concen: 1.826 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.007 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

Instrument :
MSVOA_U
ClientSampleId :
EW5X1

Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
58 29.1 34.7 52.1
100 4.8 14.2 21.2

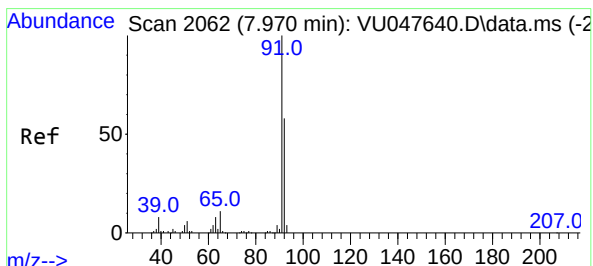
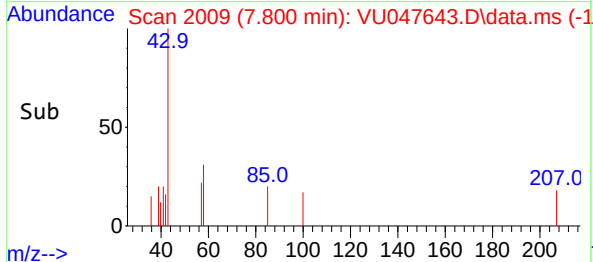
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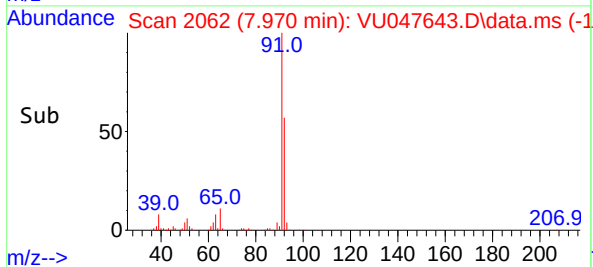
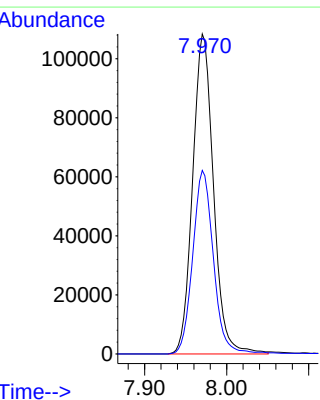
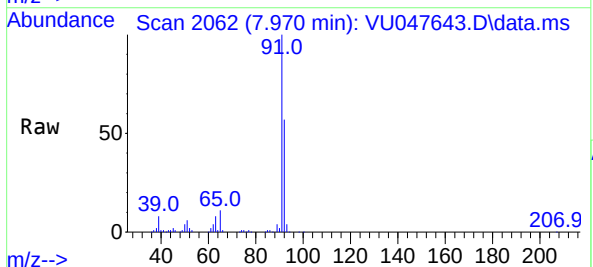
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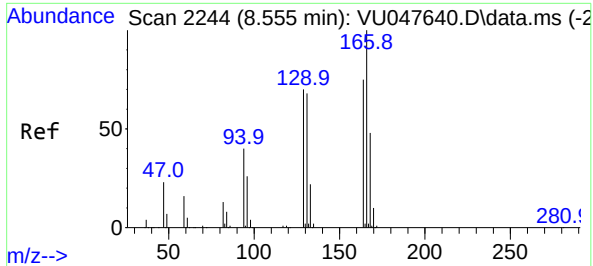
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#42
Toluene
Concen: 87.221 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

Tgt Ion: 91 Resp: 191271
Ion Ratio Lower Upper
91 100
92 57.3 40.4 75.0





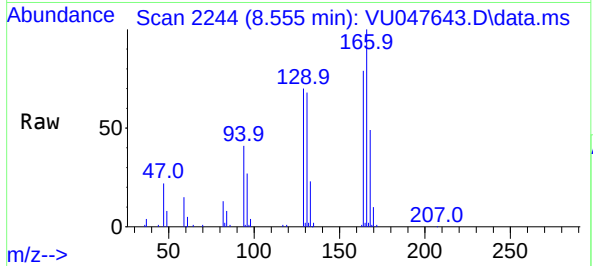
#46
Tetrachloroethene
Concen: 82.703 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

Instrument :

MSVOA_U

ClientSampleId :

EW5X1

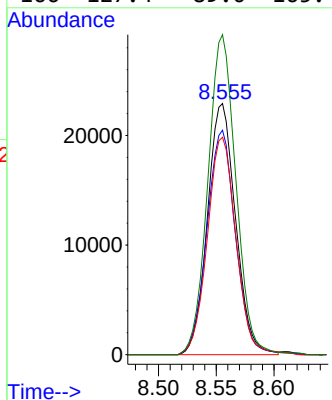


Tgt Ion:164 Resp: 3894

Ion	Ratio	Lower	Upper
164	100		
129	89.4	62.4	116.0
131	86.5	60.7	112.7
166	127.4	89.0	165.4

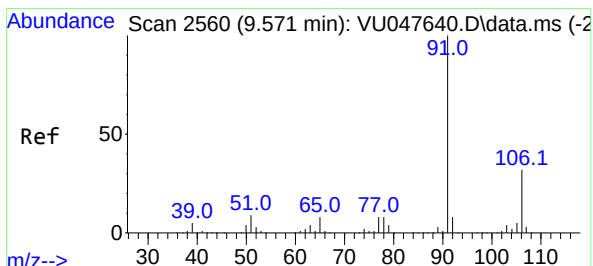
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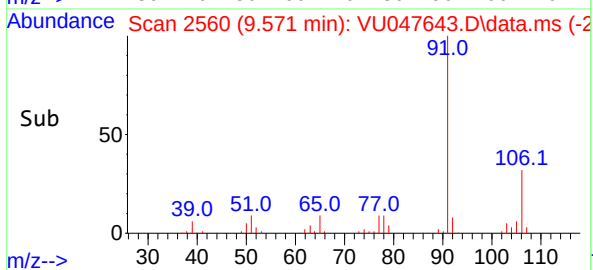
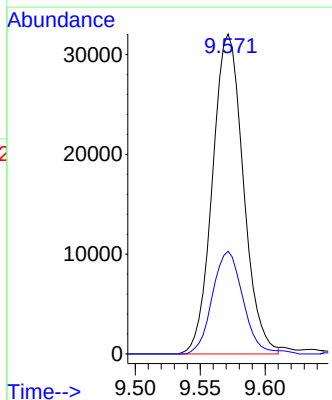
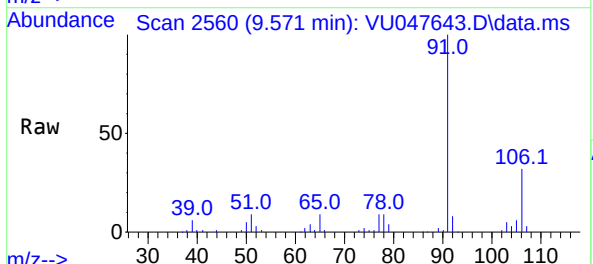
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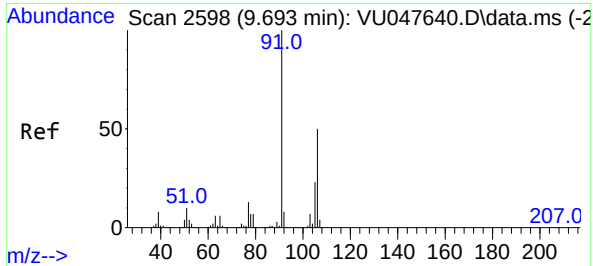


#52
Ethylbenzene
Concen: 22.962 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

Tgt Ion: 91 Resp: 52945

Ion	Ratio	Lower	Upper
91	100		
106	32.1	22.4	41.6





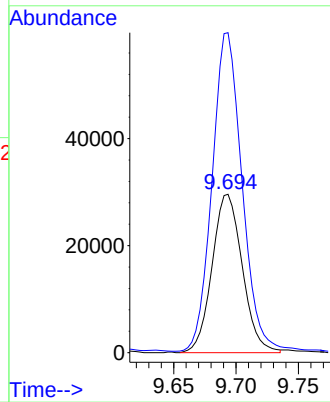
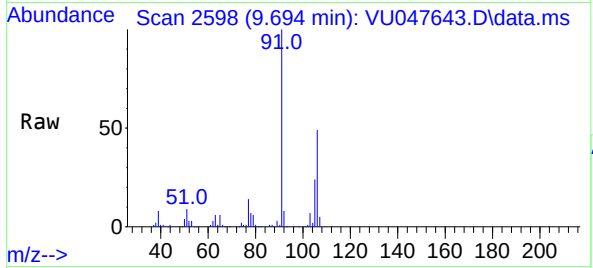
#53
m,p-Xylene
Concen: 55.277 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

Instrument :
MSVOA_U
ClientSampleId :
EW5X1

Tgt Ion:	106	Resp:	5001
Ion Ratio	Lower	Upper	
106	100		
91	202.1	137.7	255.7

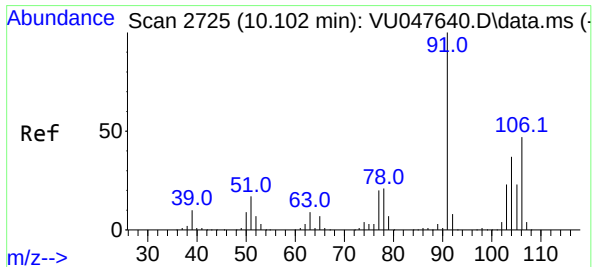
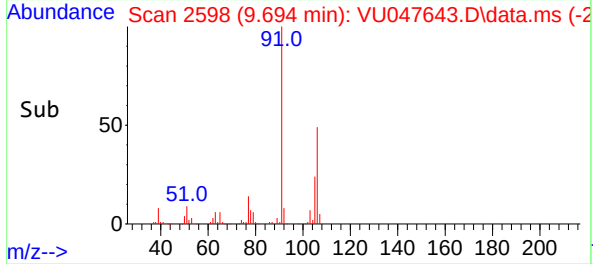
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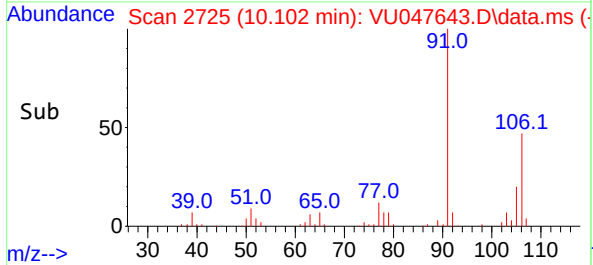
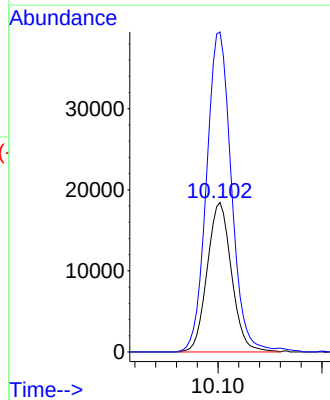
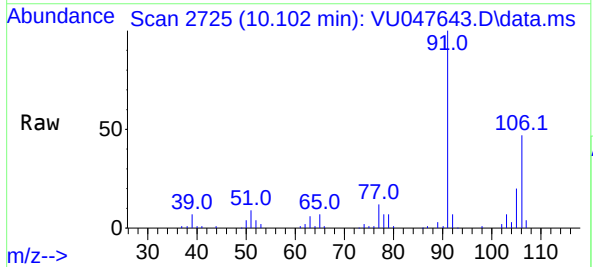
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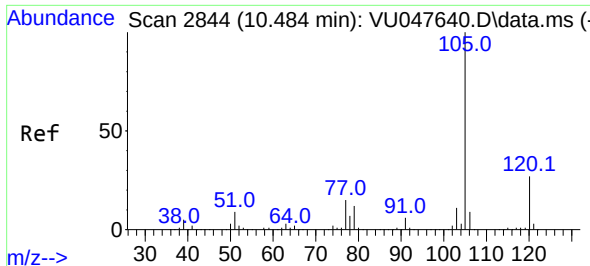
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#54
o-Xylene
Concen: 33.766 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

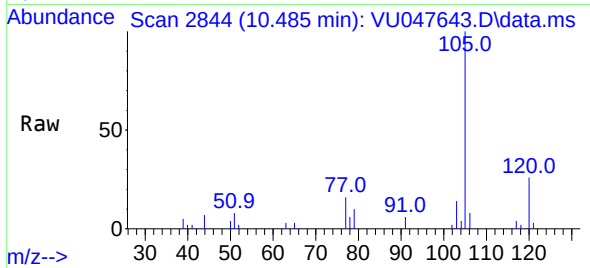
Tgt Ion:	106	Resp:	29984
Ion Ratio	Lower	Upper	
106	100		
91	214.1	146.7	272.5





#61
Isopropylbenzene
Concen: 4.022 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

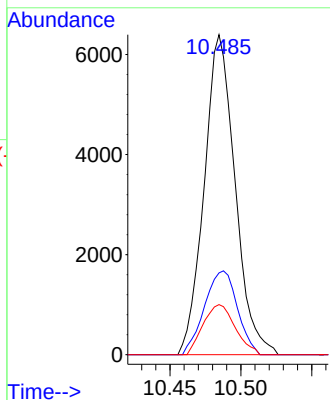
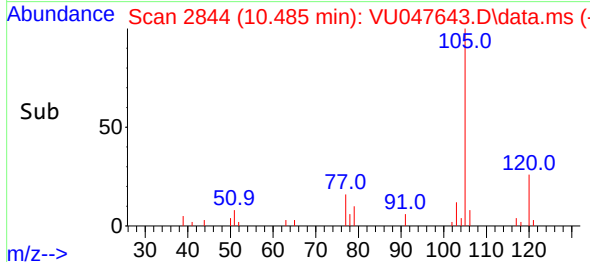
Instrument :
MSVOA_U
ClientSampleId :
EW5X1



Tgt Ion:105 Resp: 970
Ion Ratio Lower Upper
105 100
120 27.9 21.9 32.9
77 16.2 12.1 18.1

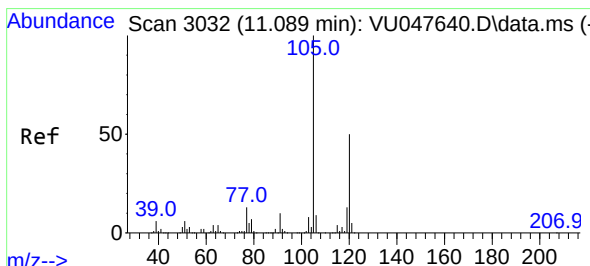
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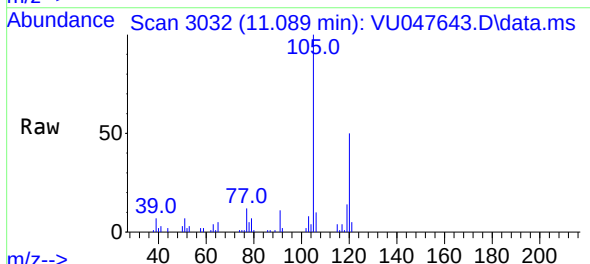


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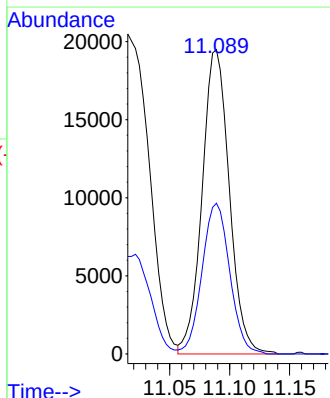
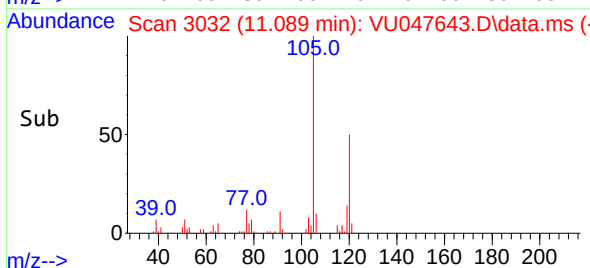
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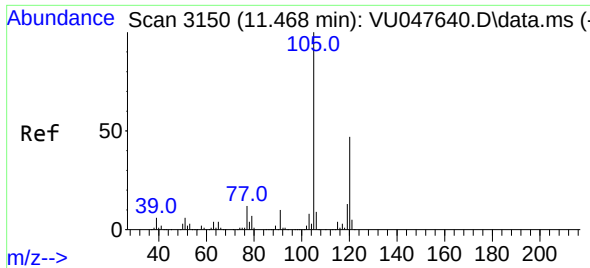


#62
1,3,5-Trimethylbenzene
Concen: 23.487 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38



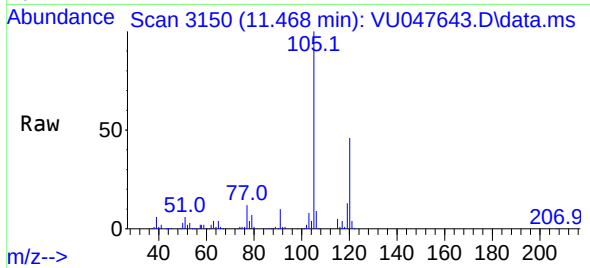
Tgt Ion:105 Resp: 30742
Ion Ratio Lower Upper
105 100
120 50.4 40.8 61.2





#63
1,2,4-Trimethylbenzene
Concen: 77.216 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38

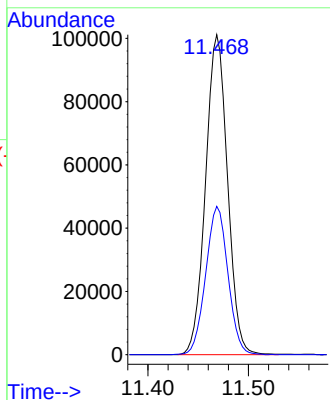
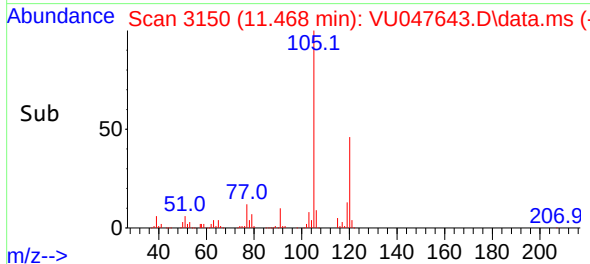
Instrument :
MSVOA_U
ClientSampleId :
EW5X1



Tgt Ion:105 Resp: 15351
Ion Ratio Lower Upper
105 100
120 47.0 37.6 56.4

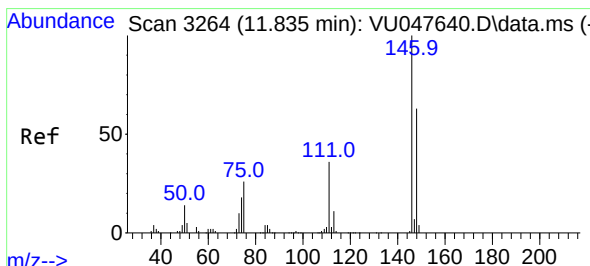
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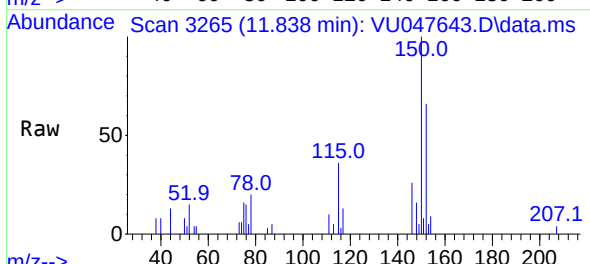


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Supervised By :Mahesh
Dadoda

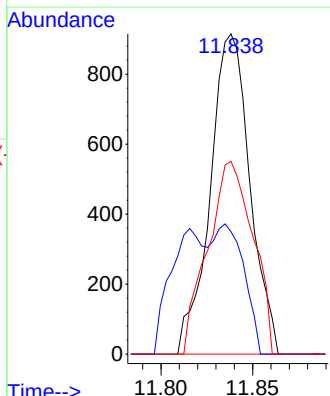
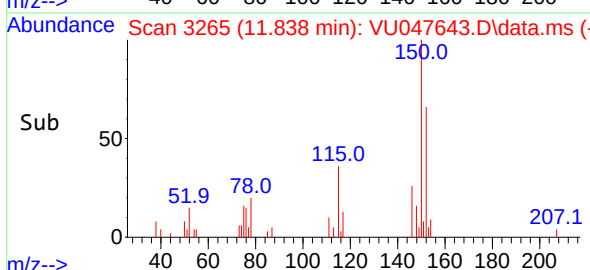
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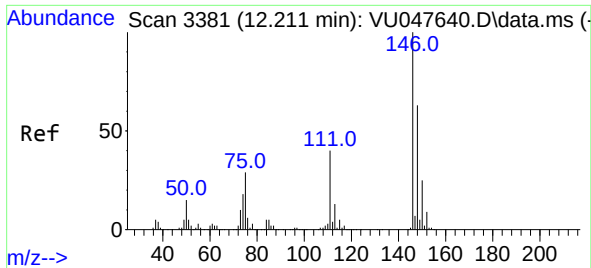


#65
1,4-Dichlorobenzene
Concen: 0.995 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU047643.D
Acq: 24 Mar 2022 19:38



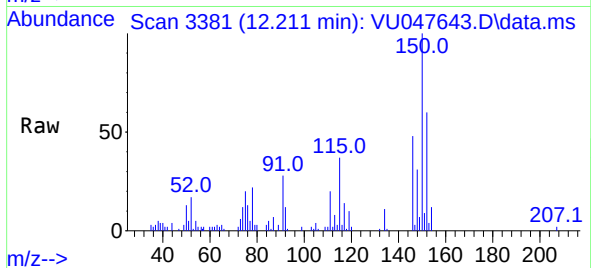
Tgt Ion:146 Resp: 1382
Ion Ratio Lower Upper
146 100
111 38.3 25.3 47.1
148 60.2 44.5 82.7





#67
 1,2-Dichlorobenzene
 Concen: 6.825 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU047643.D
 Acq: 24 Mar 2022 19:38

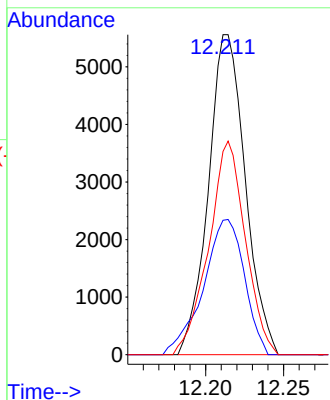
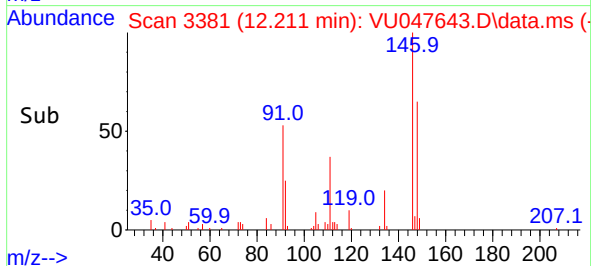
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X1



Tgt Ion:	146	Resp:	915
Ion	Ratio	Lower	Upper
146	100		
111	42.0	31.7	47.5
148	63.5	51.4	77.2

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