Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
Data File : VU047657.D
Acq On : 25 Mar 2022 00:54
Operator : SY/MD
Sample : N2081-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Quant Time: Mar 25 05:30:45 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	6.250	114	339277	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	346828	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	193008	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	98307	39.957	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 79.920%			
7) Chloroethane-d5	1.919	69	79554	41.008	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 82.020%			
11) 1,1-Dichloroethene-d2	2.572	63	143660	31.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 63.820%			
21) 2-Butanone-d5	4.639	46	204644	96.908	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.910%			
24) Chloroform-d	5.067	84	188890	41.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 83.920%			
26) 1,2-Dichloroethane-d4	5.703	65	121316	43.939	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.880%			
32) Benzene-d6	5.732	84	390742	44.773	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.540%			
36) 1,2-Dichloropropane-d6	6.694	67	122206	45.596	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 91.200%			
41) Toluene-d8	7.899	98	364990	42.926	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.860%			
43) trans-1,3-Dichloroprop...	8.179	79	58375	42.991	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.980%			
47) 2-Hexanone-d5	8.636	63	148376	94.568	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 94.570%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	197691	42.979	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 85.960%			
66) 1,2-Dichlorobenzene-d4	12.192	152	168322	49.019	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.040%			
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	206183	67.207	ug/L	99
8) Chloroethane	1.938	64	57227	29.714	ug/L	100
12) 1,1-Dichloroethene	2.584	96	15566	6.688	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	8043	3.204	ug/L	96
19) 1,1-Dichloroethane	3.874	63	853790	197.214	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	912902	331.726	ug/L	96
27) 1,2-Dichloroethane	5.800	62	6002	1.667	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	442042	112.403	ug/L	99
34) Trichloroethene	6.543	95	35287	13.407	ug/L	98
35) Methylcyclohexane	6.764	83	14228	3.553	ug/L	93
42) Toluene	7.970	91	98987	8.986	ug/L	98
46) Tetrachloroethene	8.555	164	73545	31.095	ug/L	98
52) Ethylbenzene	9.571	91	115791	9.997	ug/L	100
53) m,p-Xylene	9.694	106	66939	14.729	ug/L	98
54) o-Xylene	10.102	106	73864	16.560	ug/L	97
61) Isopropylbenzene	10.484	105	41319	3.961	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	478966	84.628	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	1962416	228.270	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	8727	1.504	ug/L	95

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
Data File : VU047657.D
Acq On : 25 Mar 2022 00:54
Operator : SY/MD
Sample : N2081-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Quant Time: Mar 25 05:30:45 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)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
Data File : VU047657.D
Acq On : 25 Mar 2022 00:54
Operator : SY/MD
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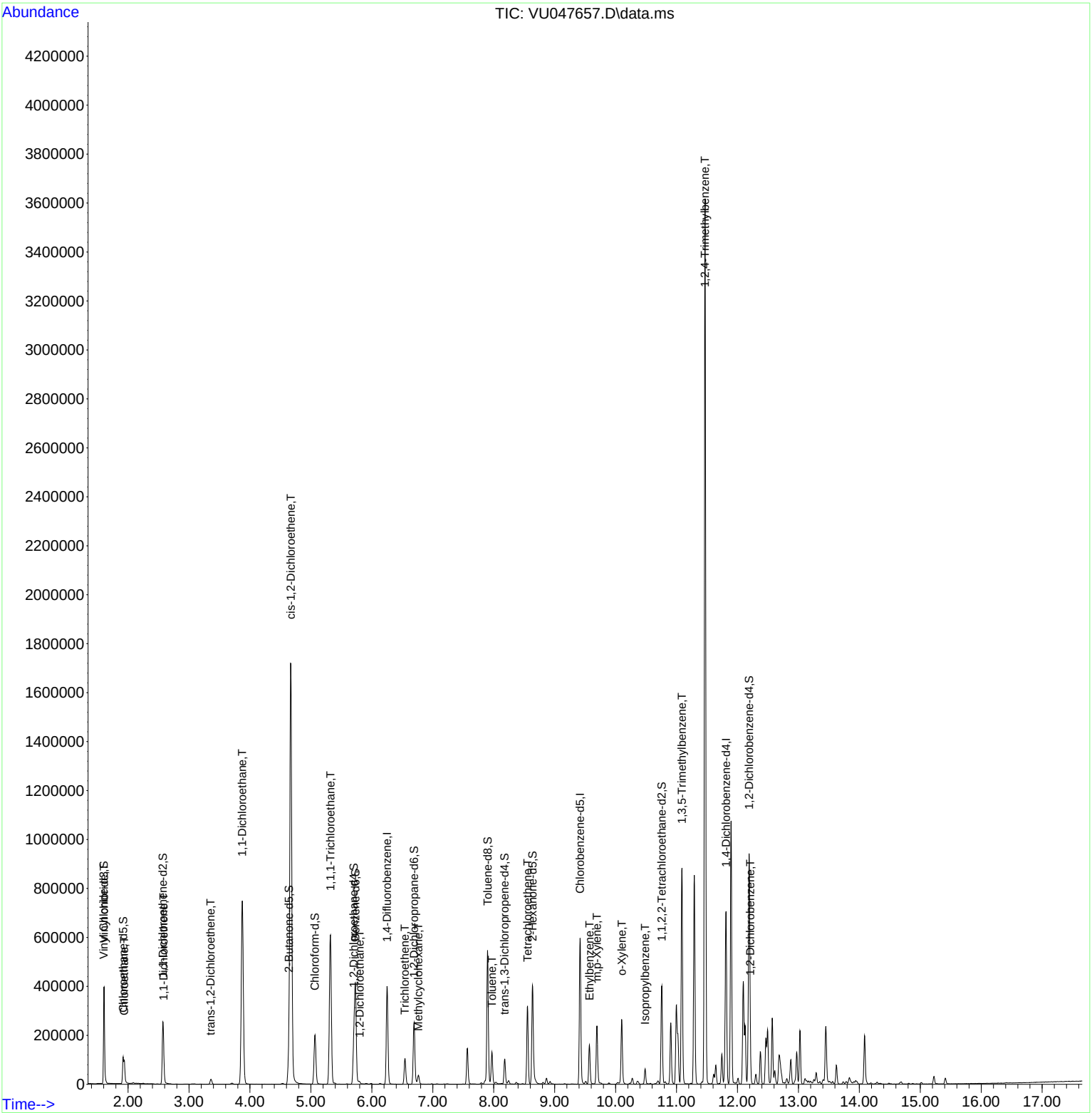
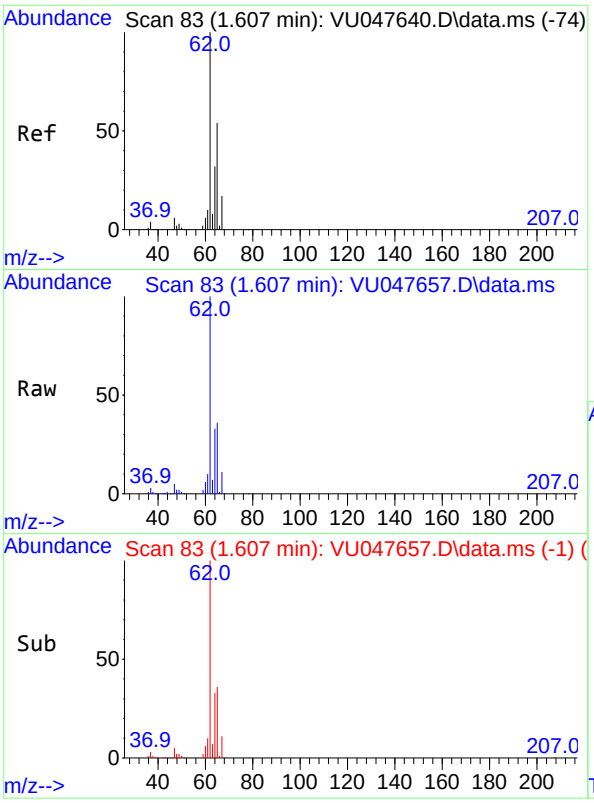
Quant Time: Mar 25 05:30:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 24 23:34:42 2022
Response via : Initial Calibration



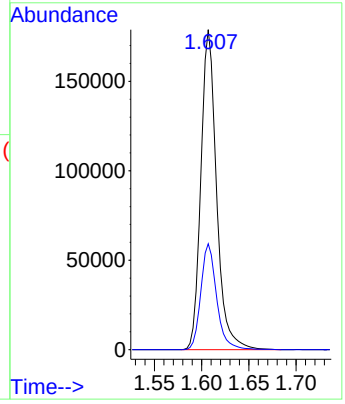


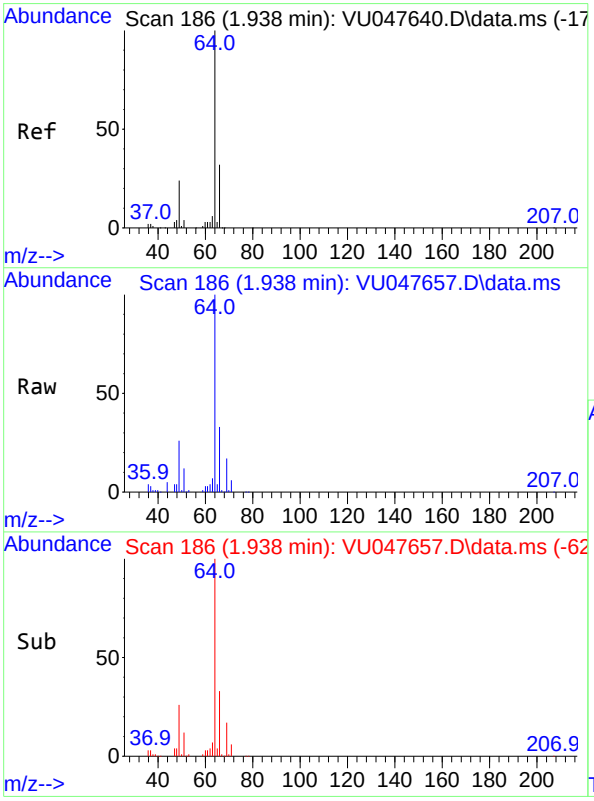
#5
Vinyl chloride
Concen: 67.207 ug/L
RT: 1.607 min Scan# 8
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion: 62 Resp: 206183

Ion	Ratio	Lower	Upper
62	100		
64	33.1	23.7	43.9

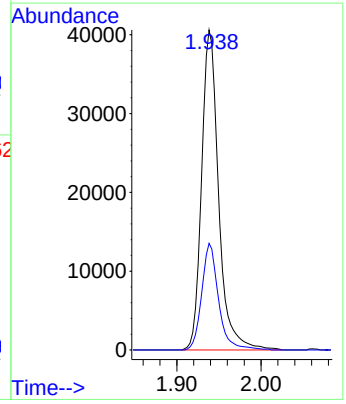


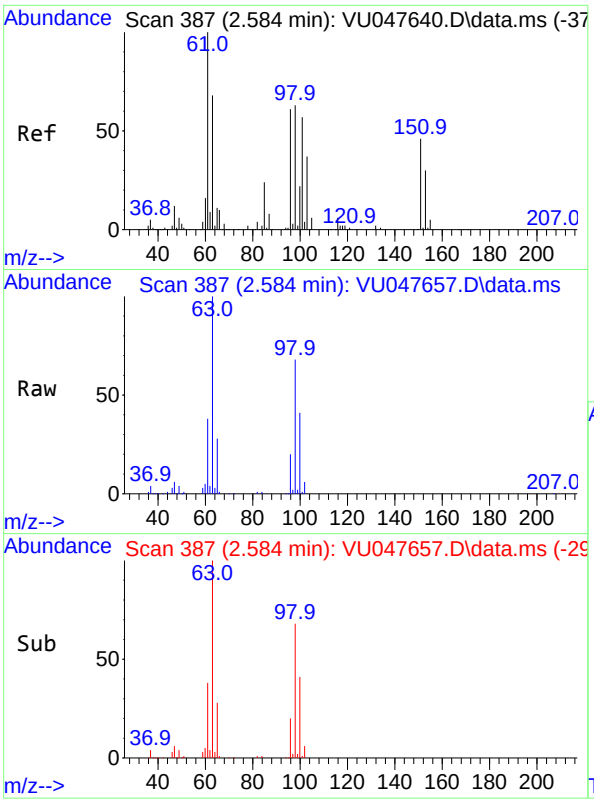


#8
Chloroethane
Concen: 29.714 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion: 64 Resp: 57227

Ion	Ratio	Lower	Upper
64	100		
66	33.3	23.3	43.3



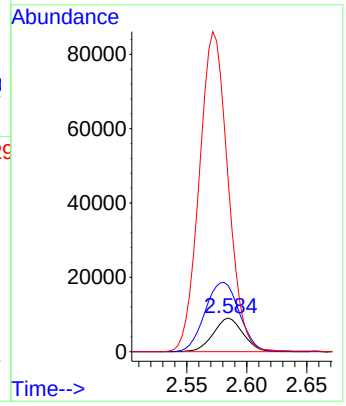


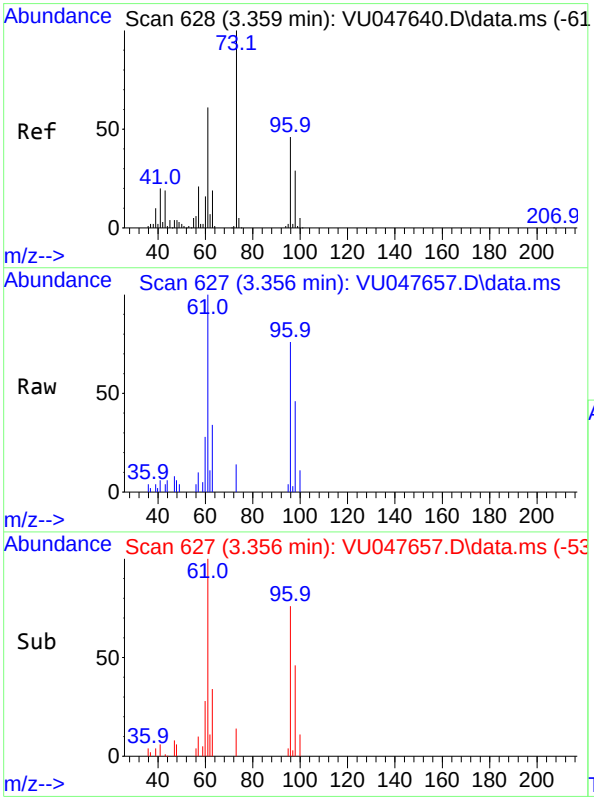
#12
1,1-Dichloroethene
Concen: 6.688 ug/L
RT: 2.584 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion: 96 Resp: 15566

Ion	Ratio	Lower	Upper
96	100		
61	196.4	113.1	210.1
63	512.8	94.8	176.0#

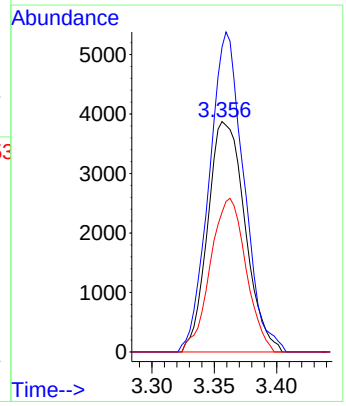


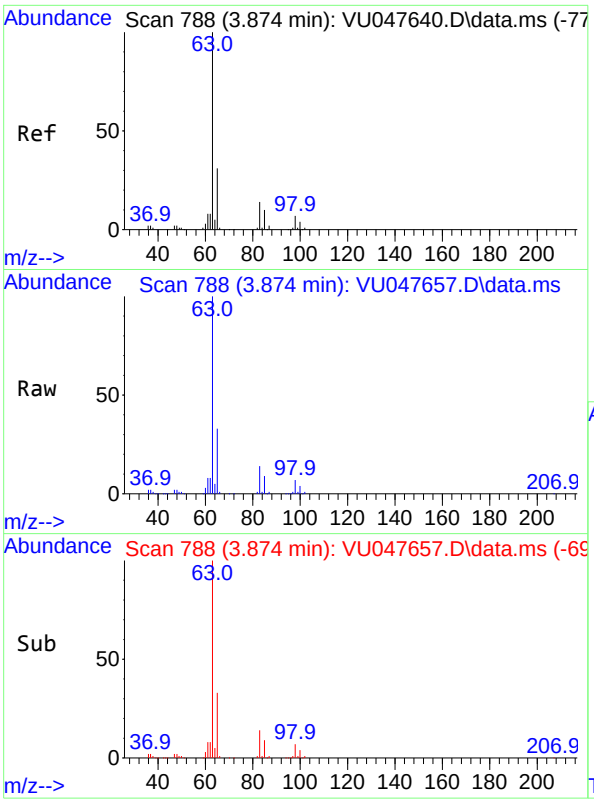


#17
trans-1,2-Dichloroethene
Concen: 3.204 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion: 96 Resp: 8043

Ion	Ratio	Lower	Upper
96	100		
61	132.3	88.4	164.2
98	60.6	43.3	80.5



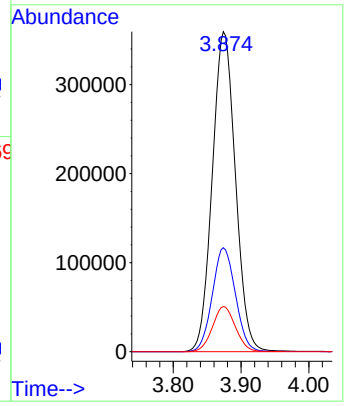


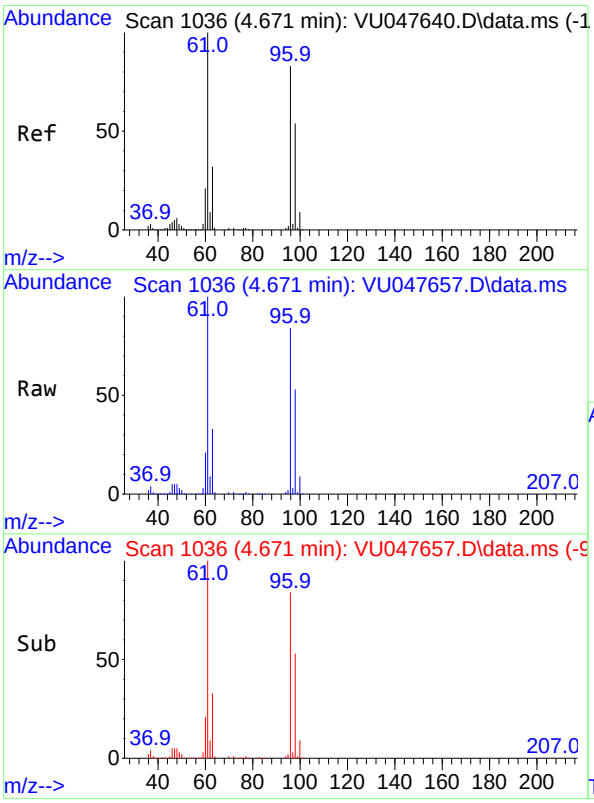
#19
1,1-Dichloroethane
Concen: 197.214 ug/L
RT: 3.874 min Scan# 7
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion: 63 Resp: 853790

Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.0	41.0
83	14.1	9.7	18.1

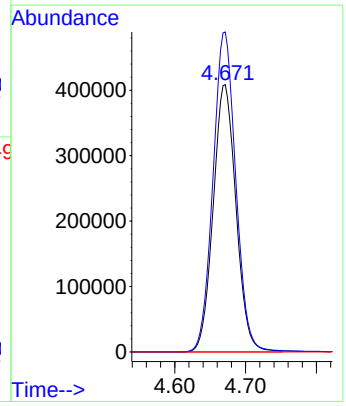


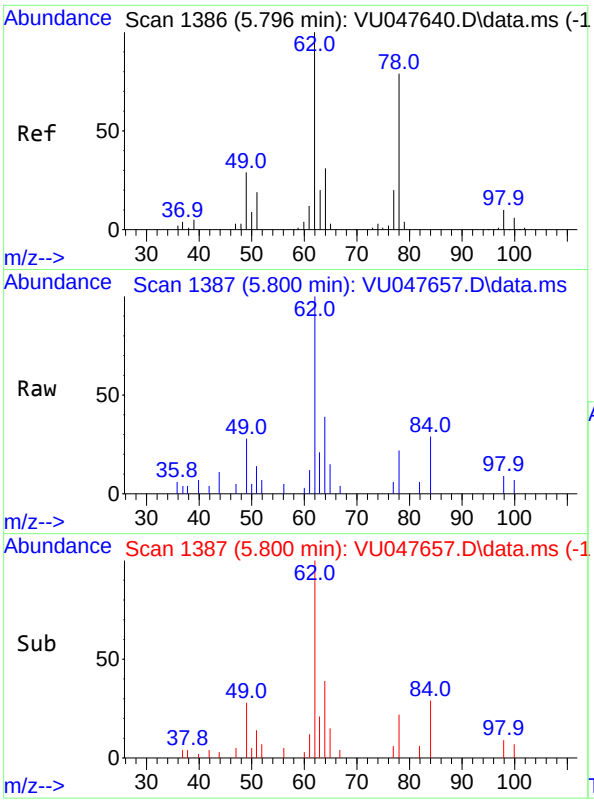


#20
cis-1,2-Dichloroethene
Concen: 331.726 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion: 96 Resp: 912902

Ion	Ratio	Lower	Upper
96	100		
61	119.7	80.7	149.9
68	0.0	0.0	0.0



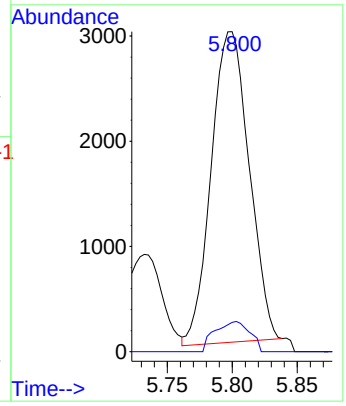


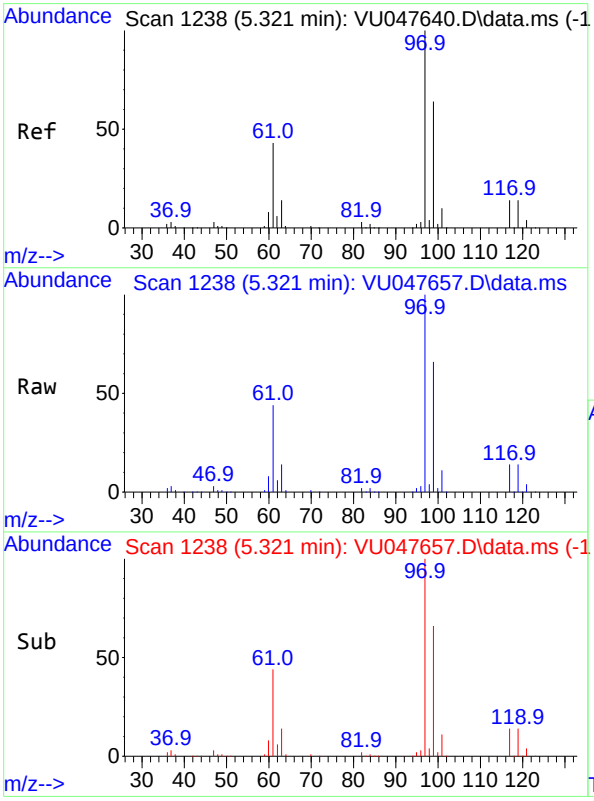
#27
1,2-Dichloroethane
Concen: 1.667 ug/L
RT: 5.800 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion: 62 Resp: 6002

Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.0

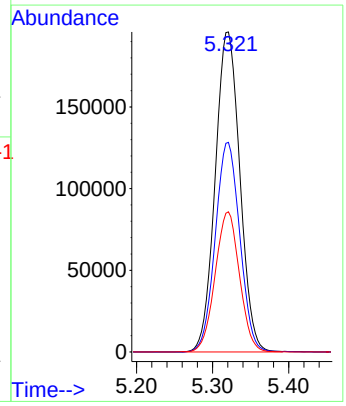


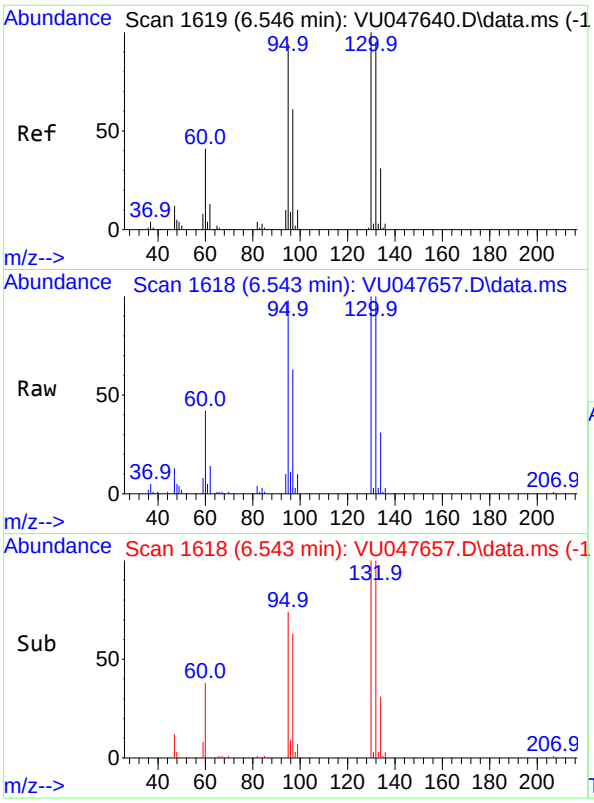


#30
1,1,1-Trichloroethane
Concen: 112.403 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion: 97 Resp: 442042

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	43.3	34.2	51.4



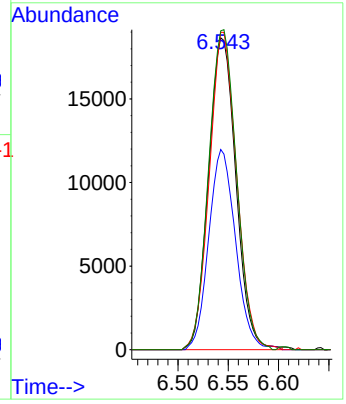


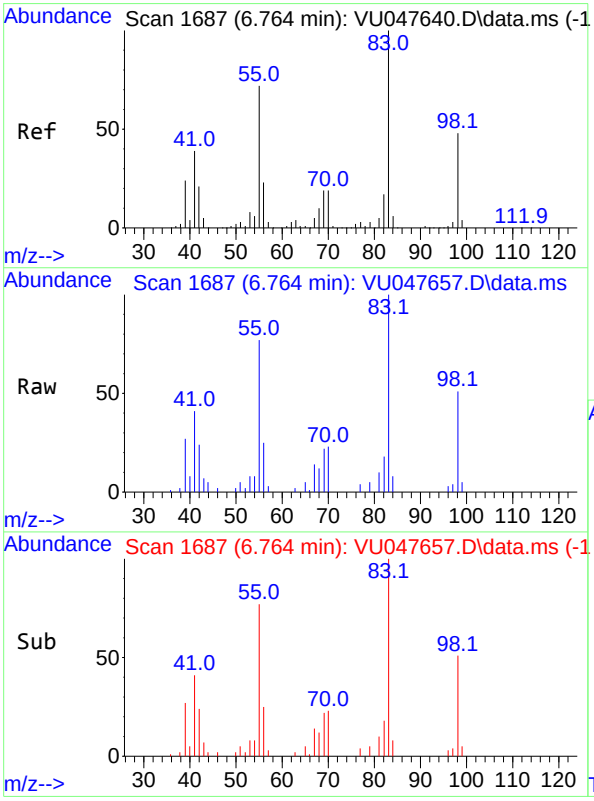
#34
Trichloroethene
Concen: 13.407 ug/L
RT: 6.543 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion: 95 Resp: 35287

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	82.9
132	101.8	70.4	130.8
130	102.3	73.6	136.8

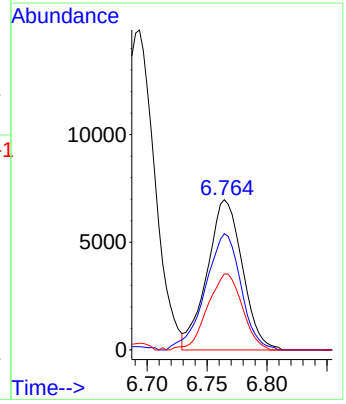


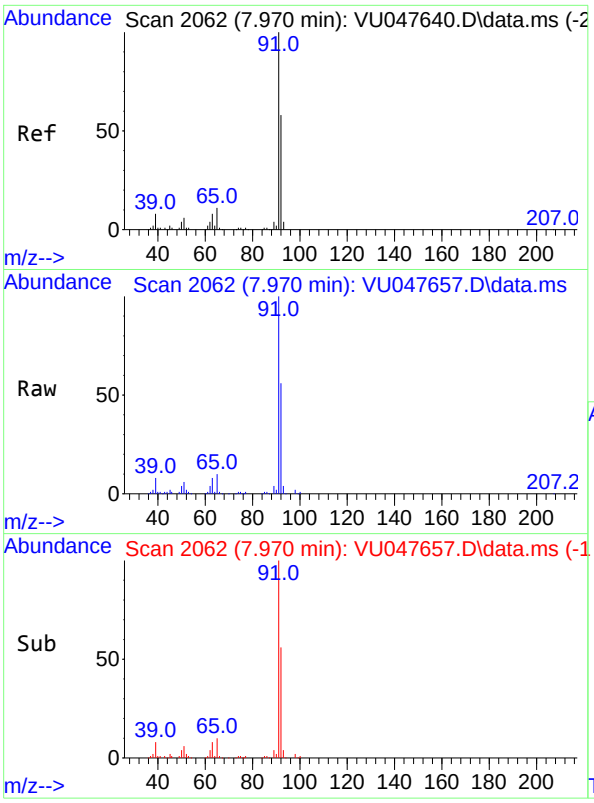


#35
Methylcyclohexane
Concen: 3.553 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion: 83 Resp: 14228

Ion	Ratio	Lower	Upper
83	100		
55	78.4	56.8	85.2
98	49.8	38.1	57.1



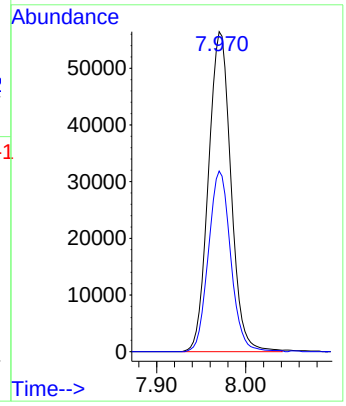


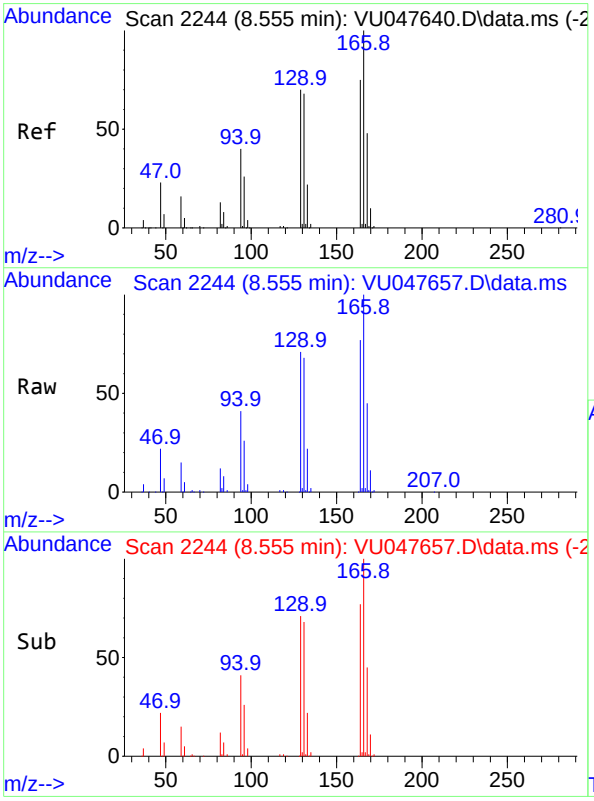
#42
Toluene
Concen: 8.986 ug/L
RT: 7.970 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion: 91 Resp: 98987

Ion	Ratio	Lower	Upper
91	100		
92	56.4	40.4	75.0

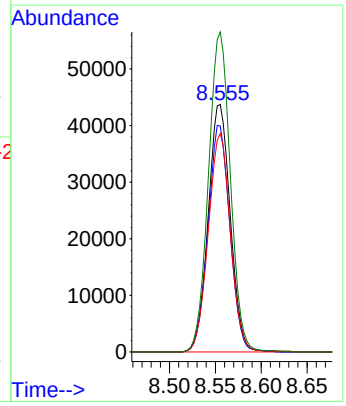


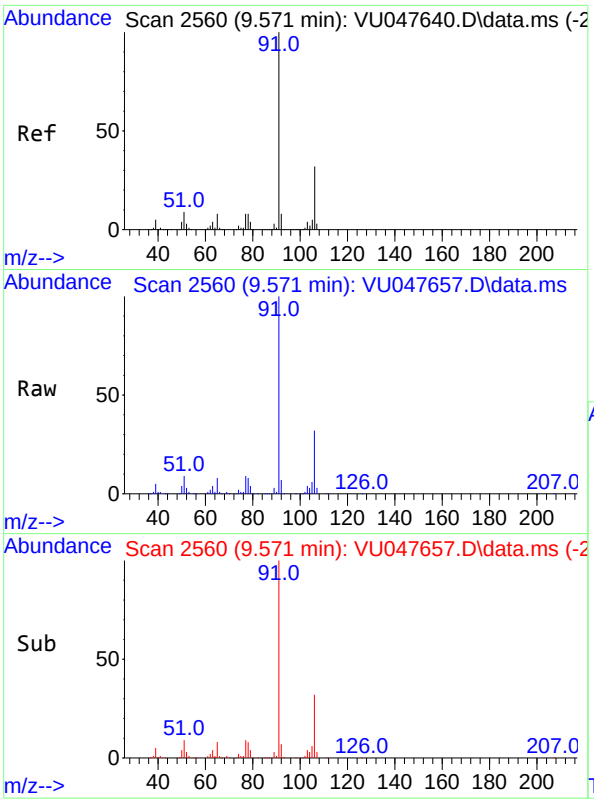


#46
Tetrachloroethene
Concen: 31.095 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion:164 Resp: 73545

Ion	Ratio	Lower	Upper
164	100		
129	91.3	62.4	116.0
131	88.2	60.7	112.7
166	129.3	89.0	165.4



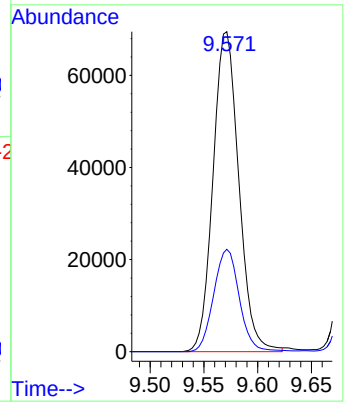


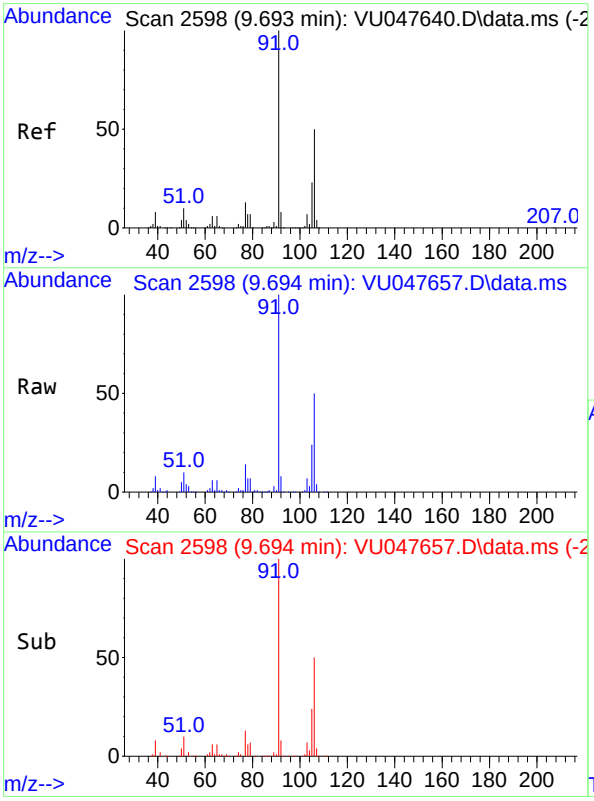
#52
Ethylbenzene
Concen: 9.997 ug/L
RT: 9.571 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion: 91 Resp: 115791

Ion	Ratio	Lower	Upper
91	100		
106	32.0	22.4	41.6

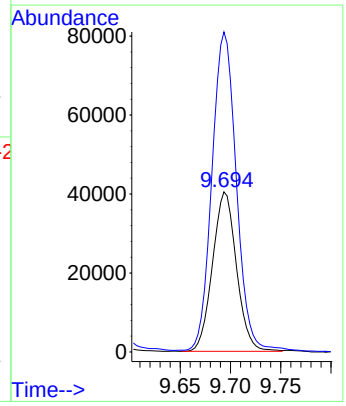


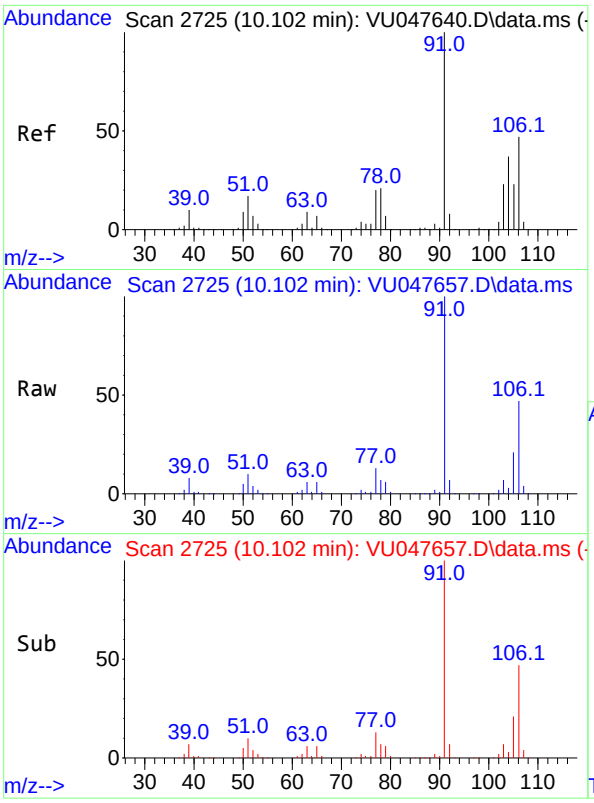


#53
m,p-Xylene
Concen: 14.729 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion:106 Resp: 66939

Ion	Ratio	Lower	Upper
106	100		
91	199.7	137.7	255.7



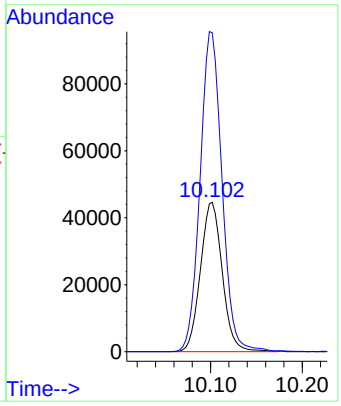


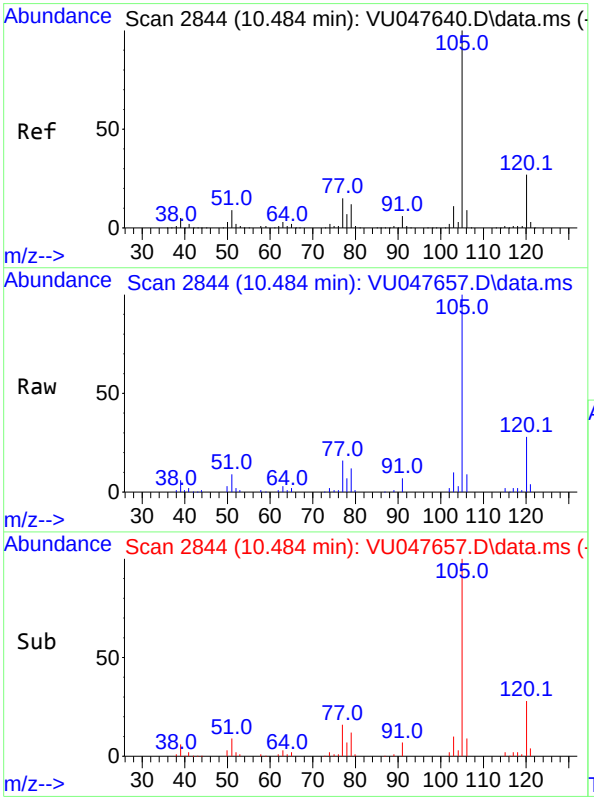
#54
o-Xylene
Concen: 16.560 ug/L
RT: 10.102 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion:106 Resp: 73864

Ion	Ratio	Lower	Upper
106	100		
91	213.5	146.7	272.5

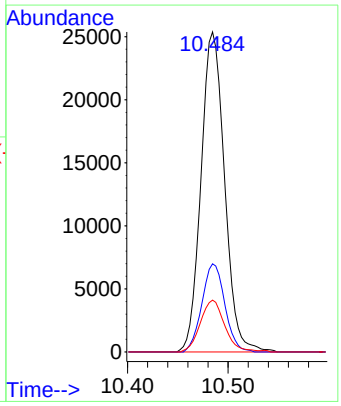


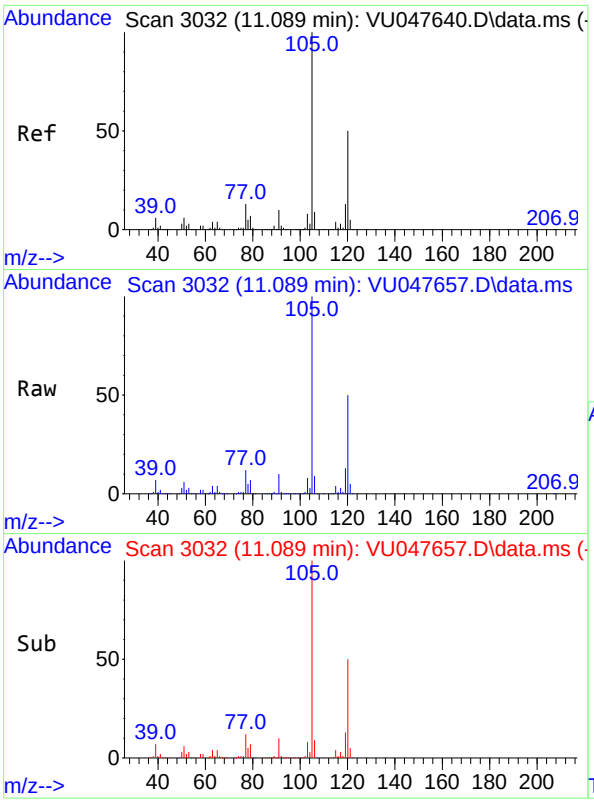


#61
Isopropylbenzene
Concen: 3.961 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion:105 Resp: 41319

Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.9	32.9
77	16.8	12.1	18.1



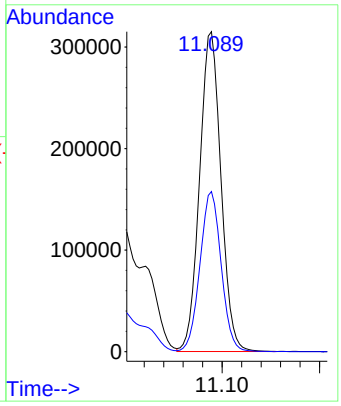


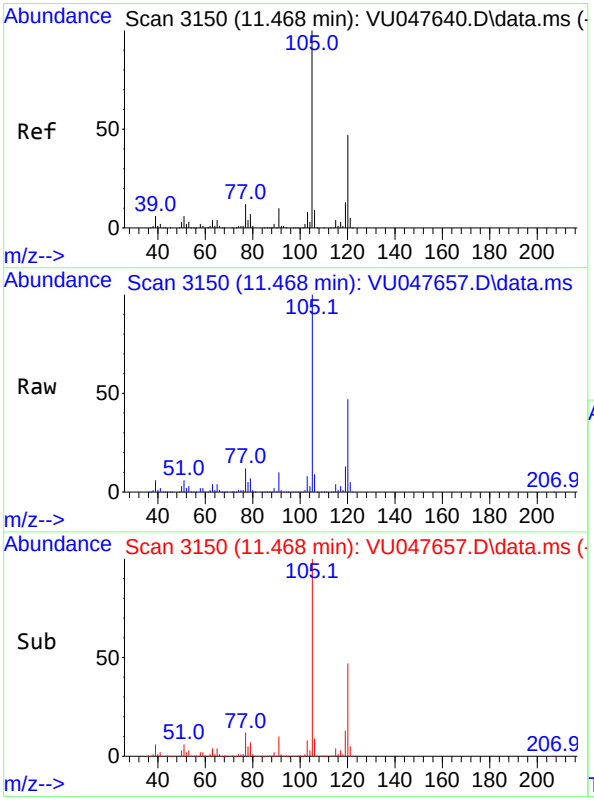
#62
1,3,5-Trimethylbenzene
Concen: 84.628 ug/L
RT: 11.089 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion:105 Resp: 478966

Ion	Ratio	Lower	Upper
105	100		
120	49.8	40.8	61.2

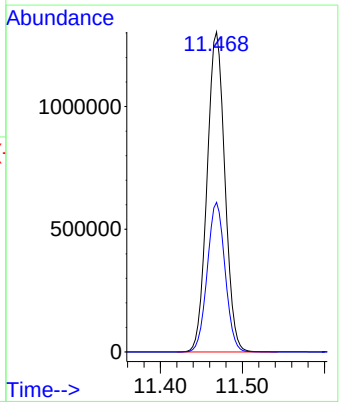


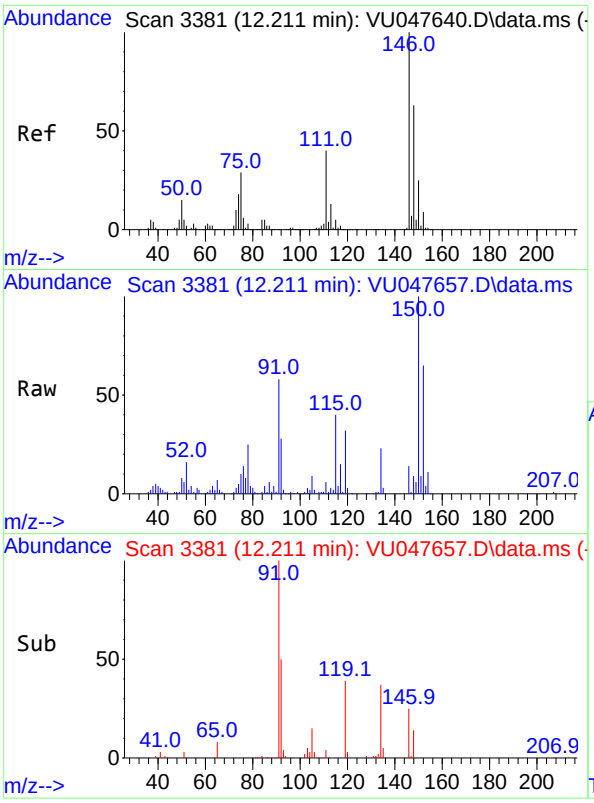


#63
1,2,4-Trimethylbenzene
Concen: 228.270 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Tgt Ion:105 Resp: 1962416

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.6	56.4





#67
1,2-Dichlorobenzene
Concen: 1.504 ug/L
RT: 12.211 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU047657.D
Acq: 25 Mar 2022 00:54

Instrument :
MSVOA_U
ClientSampleId :
EW5Y3

Tgt Ion:146 Resp: 8727

Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.7	47.5
148	58.4	51.4	77.2