Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032822\
Data File : VU047726.D
Acq On : 28 Mar 2022 14:45
Operator : SY/MD
Sample : N2081-06DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Quant Time: Mar 29 01:44:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 29 01:43:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	319694	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	332048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	193476	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	87884	37.909	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 75.820%			
7) Chloroethane-d5	1.919	69	77621	42.463	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.920%			
11) 1,1-Dichloroethene-d2	2.571	63	131535	31.011	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 62.020%			
21) 2-Butanone-d5	4.645	46	237895	119.554	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 119.550%			
24) Chloroform-d	5.067	84	193909	45.713	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.420%			
26) 1,2-Dichloroethane-d4	5.703	65	130294	50.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.160%			
32) Benzene-d6	5.729	84	385294	46.114	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.220%			
36) 1,2-Dichloropropane-d6	6.693	67	126312	49.226	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 98.460%			
41) Toluene-d8	7.899	98	347436	42.680	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 85.360%			
43) trans-1,3-Dichloroprop...	8.179	79	58337	44.876	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 89.760%			
47) 2-Hexanone-d5	8.636	63	167260	111.349	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 111.350%			
56) 1,1,2,2-Tetrachloroeth...	10.754	84	212551	48.267	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.540%			
66) 1,2-Dichlorobenzene-d4	12.192	152	166161	48.273	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.540%			
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	33234	11.496	ug/L	98
8) Chloroethane	1.941	64	10661	5.875	ug/L	100
12) 1,1-Dichloroethene	2.584	96	3273	1.493	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	1496	0.632	ug/L	100
19) 1,1-Dichloroethane	3.874	63	152997	37.505	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	160258	61.801	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	72583	19.278	ug/L	97
42) Toluene	7.970	91	22565	2.140	ug/L	95
46) Tetrachloroethene	8.555	164	12272	5.420	ug/L	94
52) Ethylbenzene	9.571	91	28157	2.539	ug/L	98
53) m,p-Xylene	9.693	106	10486	2.410	ug/L	92
54) o-Xylene	10.098	106	11784	2.760	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	61457	10.833	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	288578	33.487	ug/L	100

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

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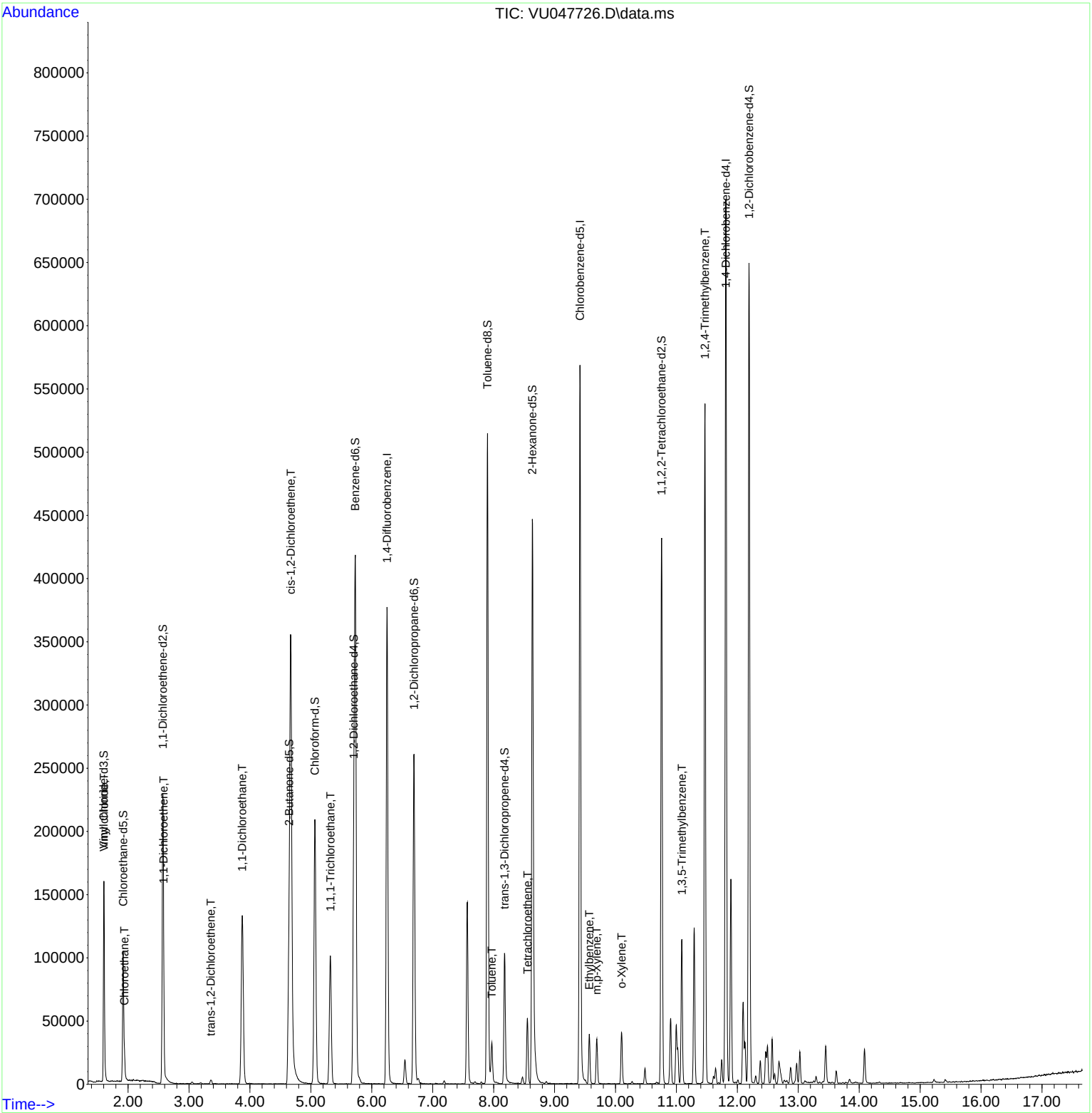
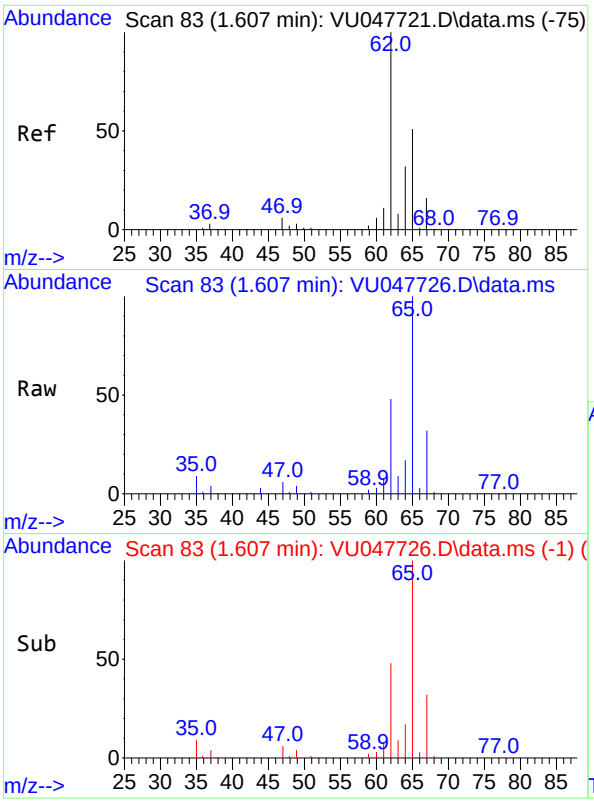


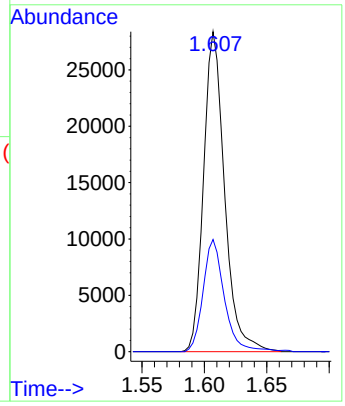


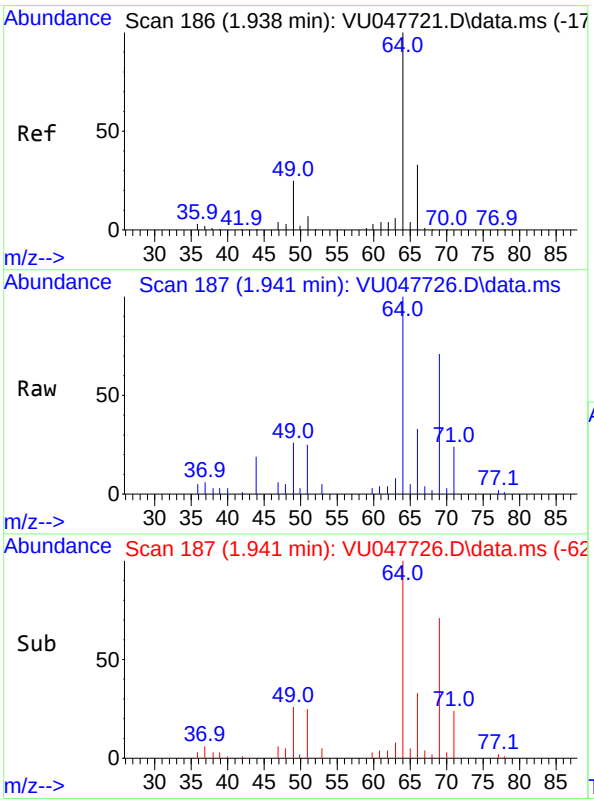
#5
Vinyl chloride
Concen: 11.496 ug/L
RT: 1.607 min Scan# 8
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion: 62 Resp: 33234

Ion	Ratio	Lower	Upper
62	100		
64	35.1	23.7	43.9

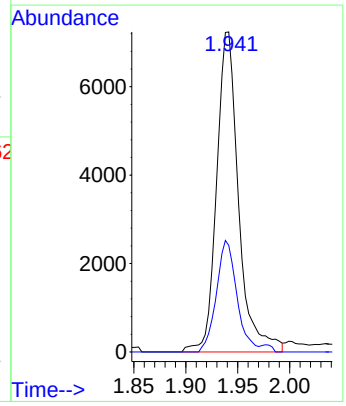


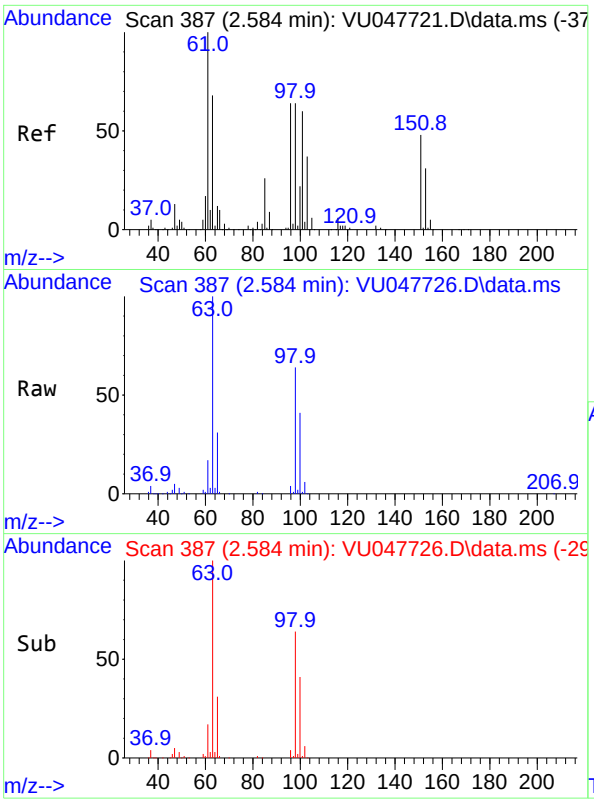


#8
Chloroethane
Concen: 5.875 ug/L
RT: 1.941 min Scan# 187
Delta R.T. 0.003 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion: 64 Resp: 10661

Ion	Ratio	Lower	Upper
64	100		
66	33.3	23.3	43.3



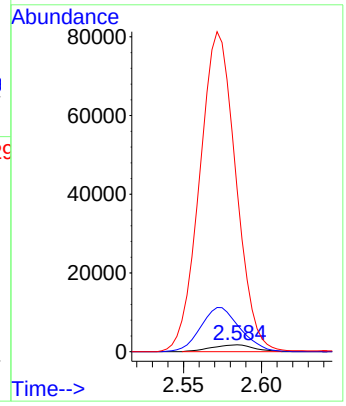


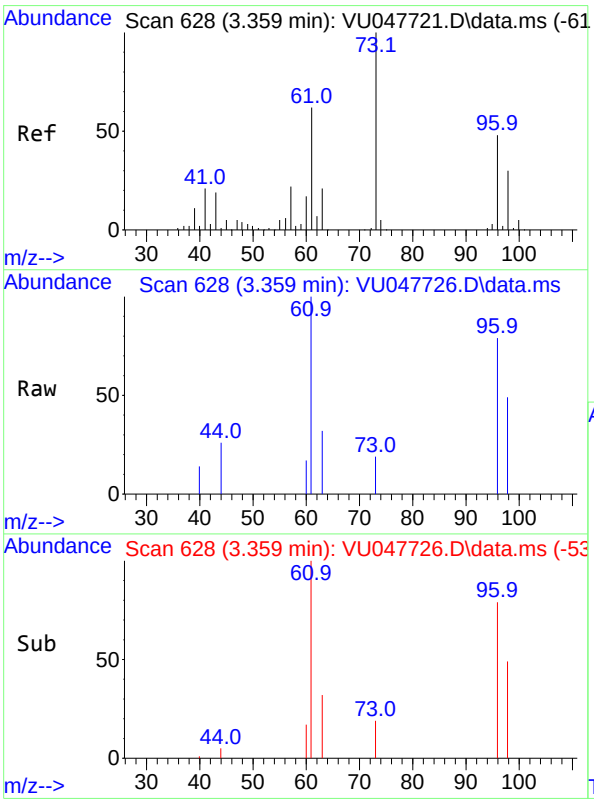
#12
1,1-Dichloroethene
Concen: 1.493 ug/L
RT: 2.584 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion: 96 Resp: 3273

Ion	Ratio	Lower	Upper
96	100		
61	391.4	113.1	210.1#
63	2363.5	94.8	176.0#

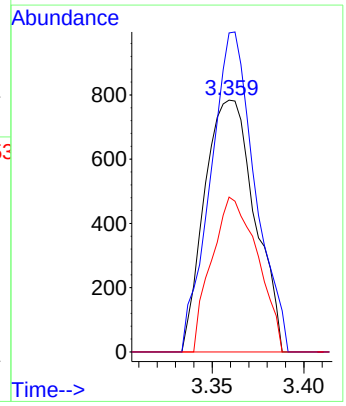


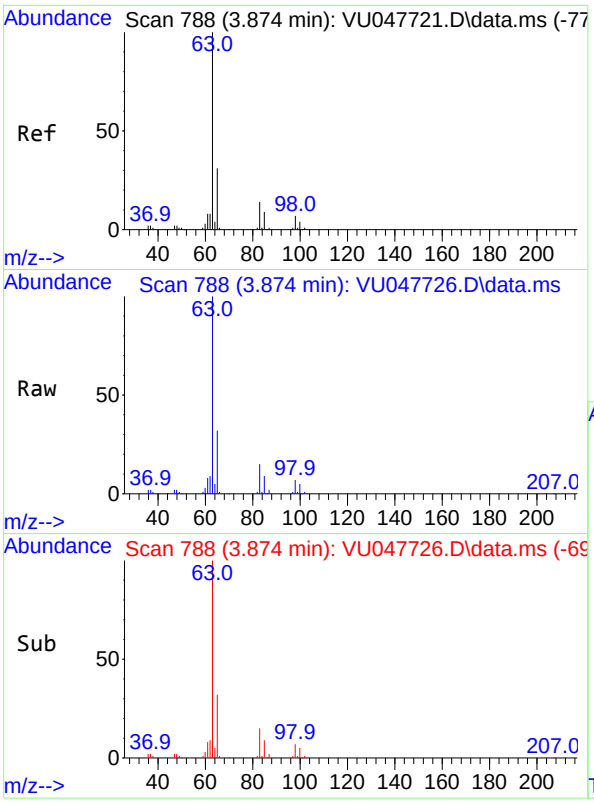


#17
trans-1,2-Dichloroethene
Concen: 0.632 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion: 96 Resp: 1496

Ion	Ratio	Lower	Upper
96	100		
61	126.7	88.4	164.2
98	61.5	43.3	80.5



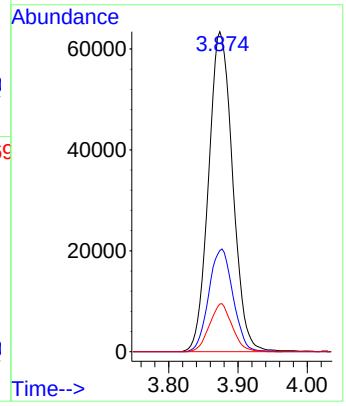


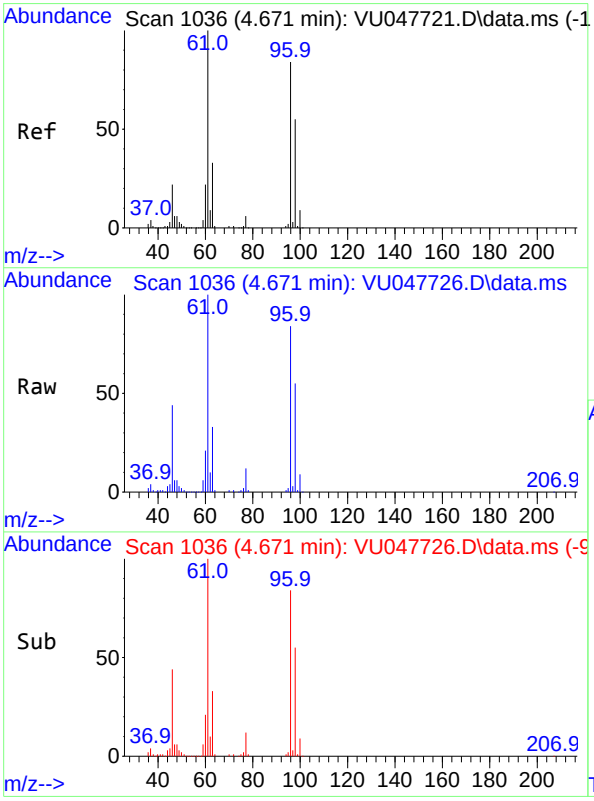
#19
1,1-Dichloroethane
Concen: 37.505 ug/L
RT: 3.874 min Scan# 7
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion: 63 Resp: 152997

Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.0	41.0
83	14.9	9.7	18.1

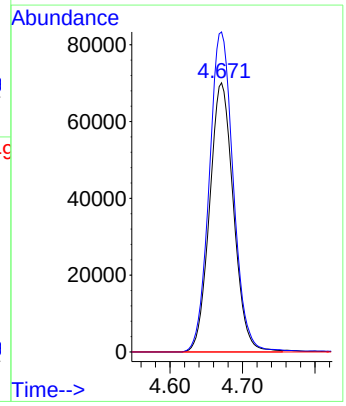


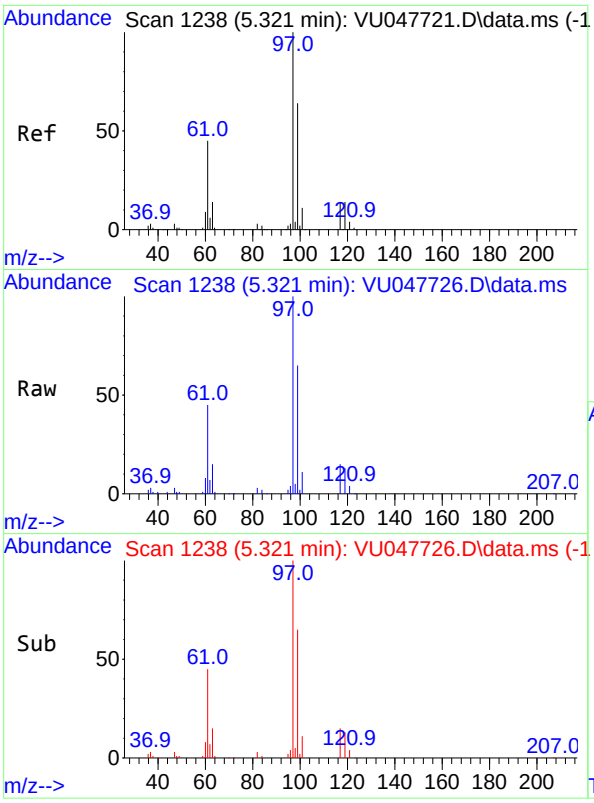


#20
cis-1,2-Dichloroethene
Concen: 61.801 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion: 96 Resp: 160258

Ion	Ratio	Lower	Upper
96	100		
61	118.9	80.7	149.9
68	0.0	0.0	0.0



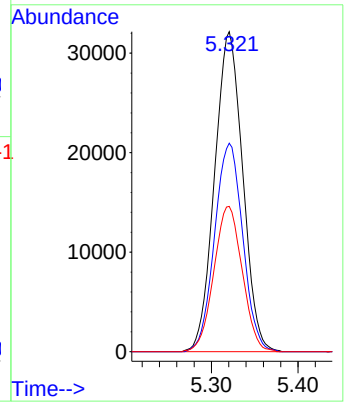


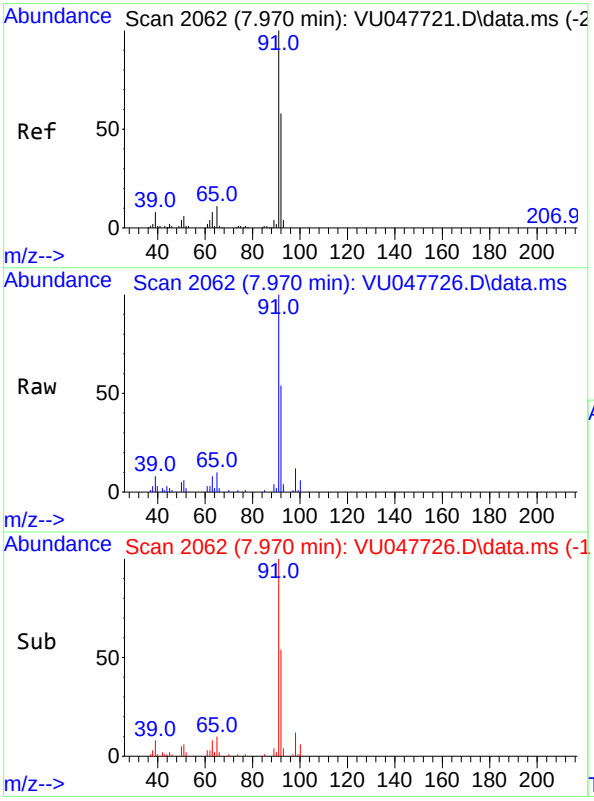
#30
1,1,1-Trichloroethane
Concen: 19.278 ug/L
RT: 5.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion: 97 Resp: 72583

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.6	77.4
61	45.9	34.2	51.4

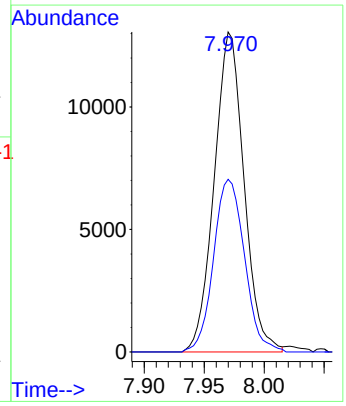


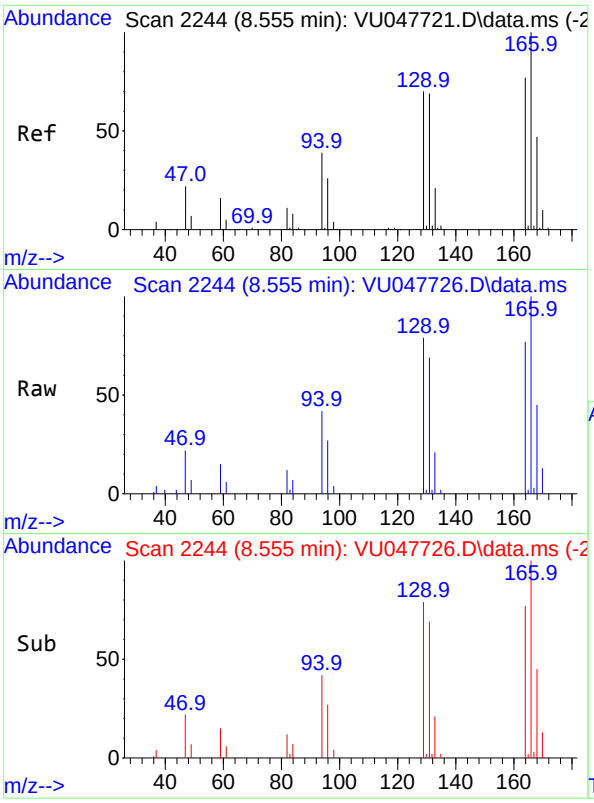


#42
Toluene
Concen: 2.140 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion: 91 Resp: 22565

Ion	Ratio	Lower	Upper
91	100		
92	54.0	40.4	75.0



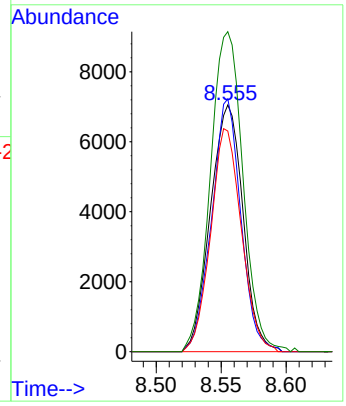


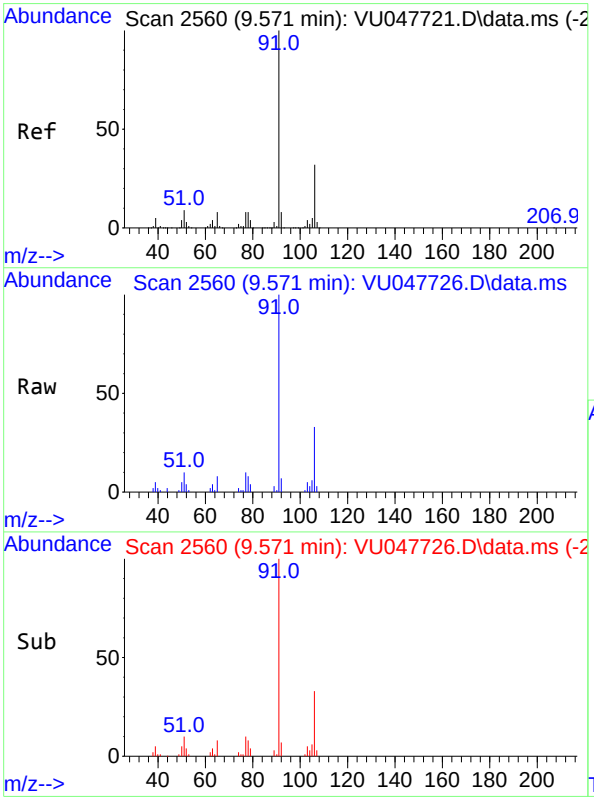
#46
Tetrachloroethene
Concen: 5.420 ug/L
RT: 8.555 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion:164 Resp: 12272

Ion	Ratio	Lower	Upper
164	100		
129	102.5	62.4	116.0
131	89.4	60.7	112.7
166	129.7	89.0	165.4

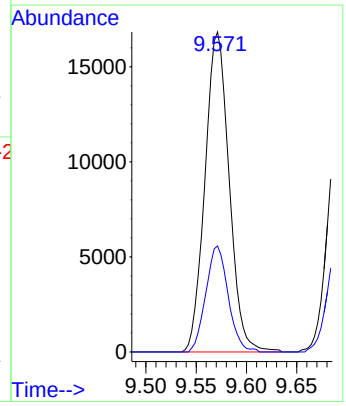


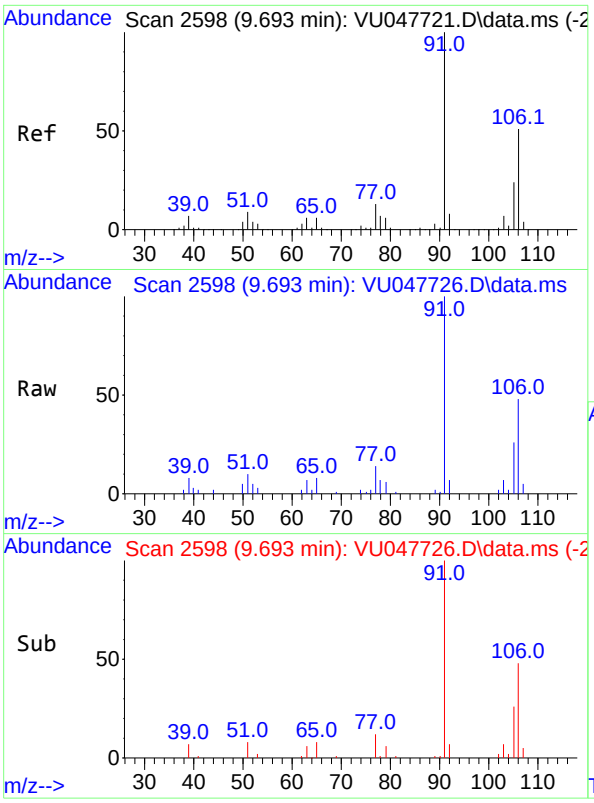


#52
Ethylbenzene
Concen: 2.539 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion: 91 Resp: 28157

Ion	Ratio	Lower	Upper
91	100		
106	33.1	22.4	41.6



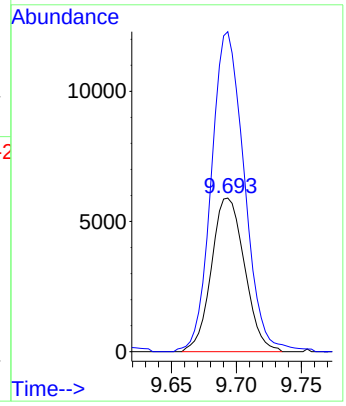


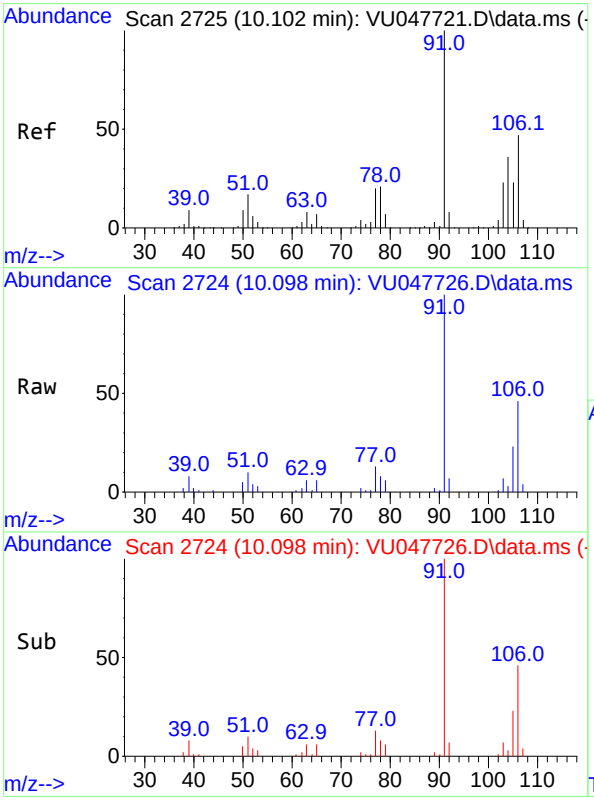
#53
m,p-Xylene
Concen: 2.410 ug/L
RT: 9.693 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion:106 Resp: 10486

Ion	Ratio	Lower	Upper
106	100		
91	208.2	137.7	255.7

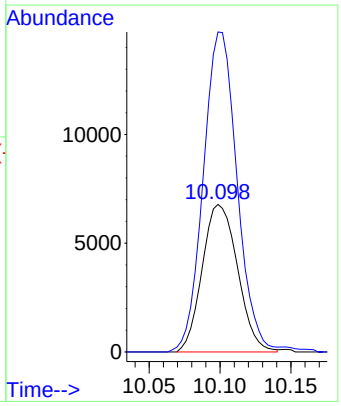


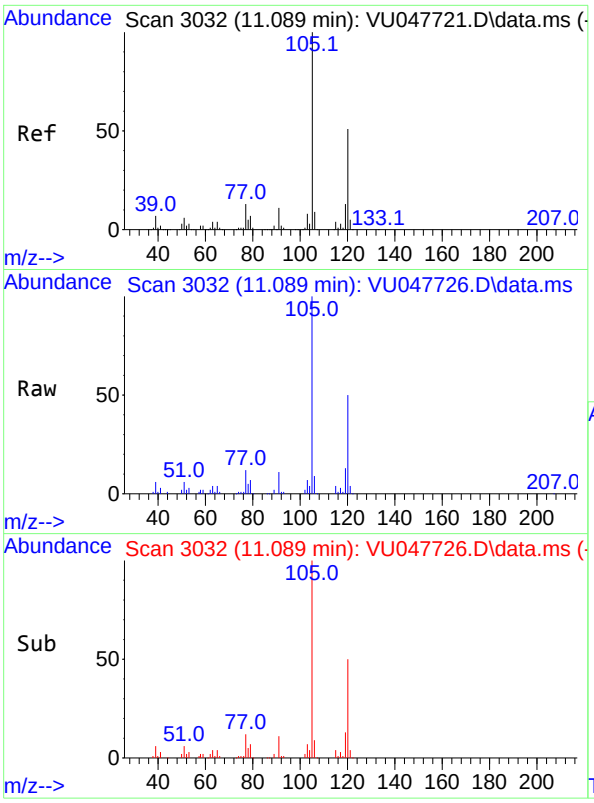


#54
o-Xylene
Concen: 2.760 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.003 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion:106 Resp: 11784

Ion	Ratio	Lower	Upper
106	100		
91	216.8	146.7	272.5



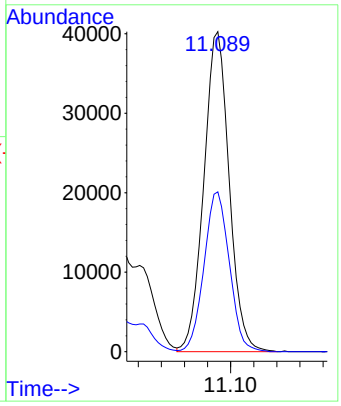


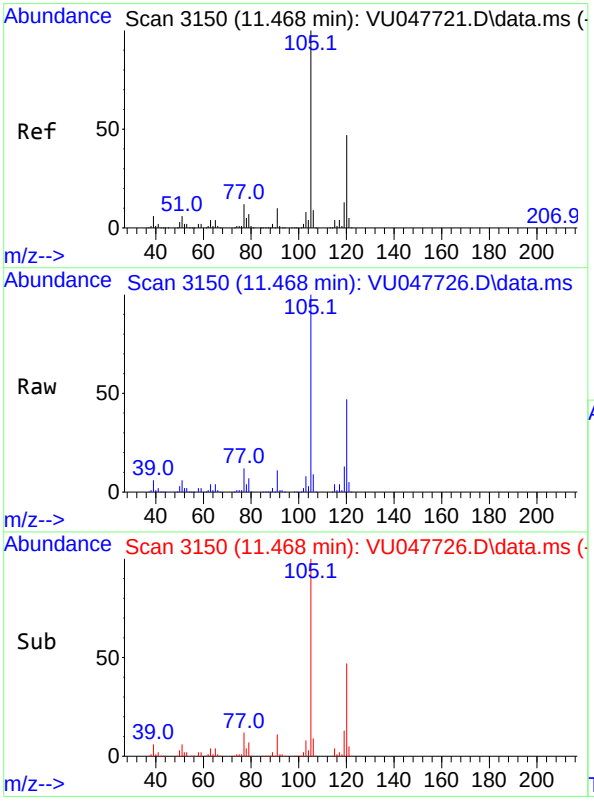
#62
1,3,5-Trimethylbenzene
Concen: 10.833 ug/L
RT: 11.089 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Instrument :
MSVOA_U
ClientSampleId :
EW5X5DL

Tgt Ion:105 Resp: 61457

Ion	Ratio	Lower	Upper
105	100		
120	49.8	40.8	61.2





#63
1,2,4-Trimethylbenzene
Concen: 33.487 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VU047726.D
Acq: 28 Mar 2022 14:45

Tgt Ion:105 Resp: 288578

Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.6	56.4