Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053289.D
Acq On : 18 Mar 2023 00:20
Operator : JC/MD
Sample : 01956-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0287

Quant Time: Mar 18 05:00:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 18 04:29:10 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	143070	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	134589	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	66446	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55130	41.768	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.540%			
7) Chloroethane-d5	1.909	69	46360	43.423	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.840%			
11) 1,1-Dichloroethene-d2	2.562	63	70412	30.795	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 61.580%			
21) 2-Butanone-d5	4.610	46	82779	135.221	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 135.220%#			
24) Chloroform-d	5.057	84	100075	46.034	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.060%			
26) 1,2-Dichloroethane-d4	5.697	65	68288	50.579	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.160%			
32) Benzene-d6	5.722	84	209191	47.920	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.840%			
36) 1,2-Dichloropropane-d6	6.684	67	73482	52.155	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.300%			
41) Toluene-d8	7.893	98	194127	47.763	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.520%			
43) trans-1,3-Dichloroprop...	8.172	79	32134	46.226	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.460%			
47) 2-Hexanone-d5	8.626	63	69936	158.771	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 158.770%#			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	106164	58.167	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 116.340%			
66) 1,2-Dichlorobenzene-d4	12.188	152	67195	52.228	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.460%			
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	2457	1.632	ug/L #	1
13) Acetone	2.616	43	27866	39.967	ug/L	99
15) Methyl Acetate	2.941	43	17783	18.608	ug/L	95
20) cis-1,2-Dichloroethene	4.665	96	2714	2.167	ug/L	96
22) 2-Butanone	4.697	43	25087	31.583	ug/L	98
29) Cyclohexane	5.385	56	200233	99.845	ug/L	99
33) Benzene	5.771	78	4385992	939.973	ug/L	100
35) Methylcyclohexane	6.758	83	113618	53.276	ug/L	95
40) 4-Methyl-2-pentanone	7.783	43	28075	20.982	ug/L	99
42) Toluene	7.963	91	142824	28.471	ug/L	97
51) Chlorobenzene	9.443	112	1817806	581.423	ug/L	99
52) Ethylbenzene	9.565	91	553230	97.251	ug/L	99
53) m,p-Xylene	9.690	106	227498	107.147	ug/L	100
54) o-Xylene	10.095	106	9896	4.712	ug/L	93
55) Styrene	10.111	104	10015	2.862	ug/L	92
61) Isopropylbenzene	10.481	105	85489	16.284	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	134763	31.011	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	220947	52.161	ug/L	100

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053289.D
Acq On : 18 Mar 2023 00:20
Operator : JC/MD
Sample : 01956-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0287

Quant Time: Mar 18 05:00:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 18 04:29:10 2023
Response via : Initial Calibration

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

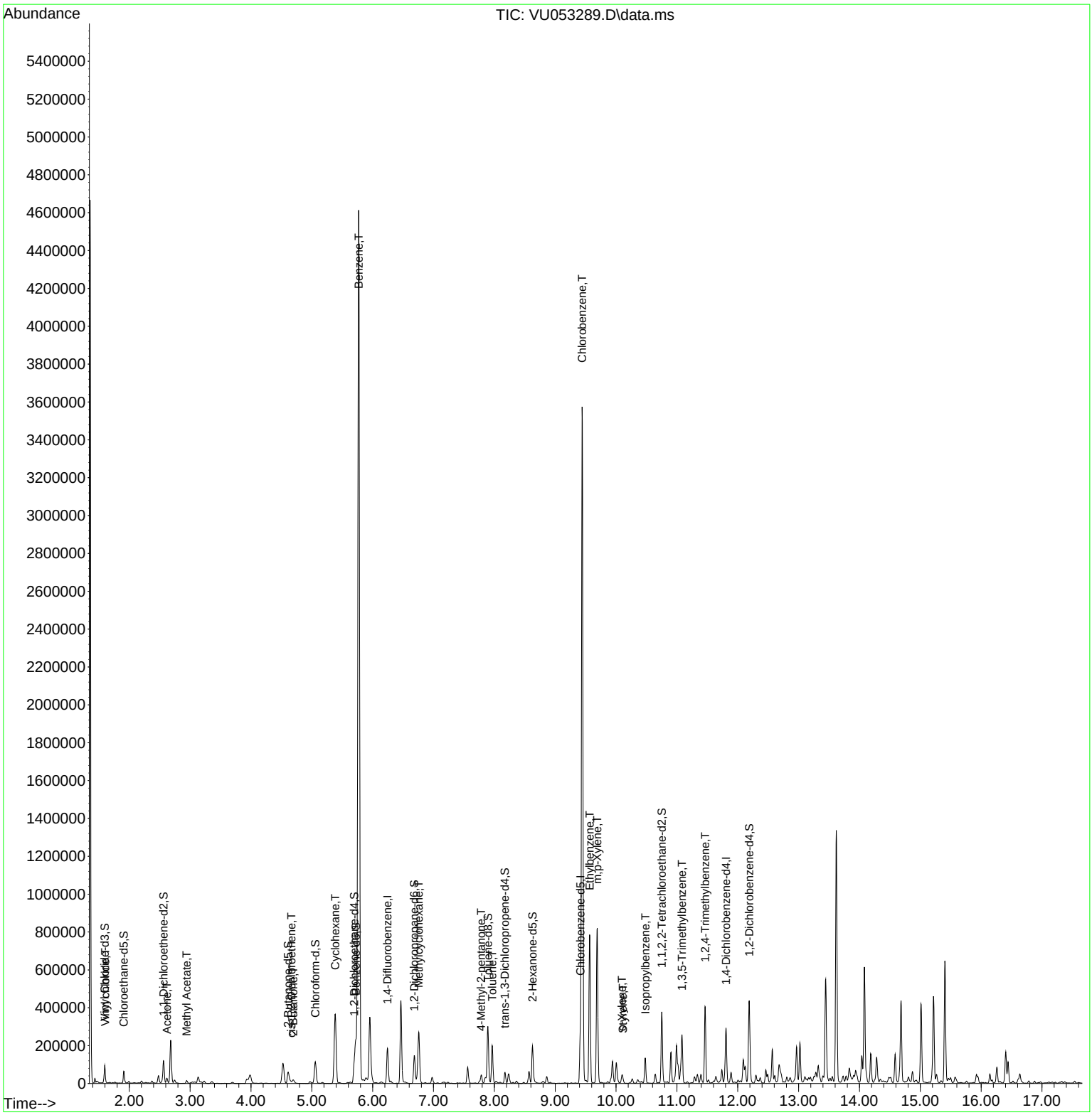
(#) = qualifier out of range (m) = manual integration (+) = signals summed

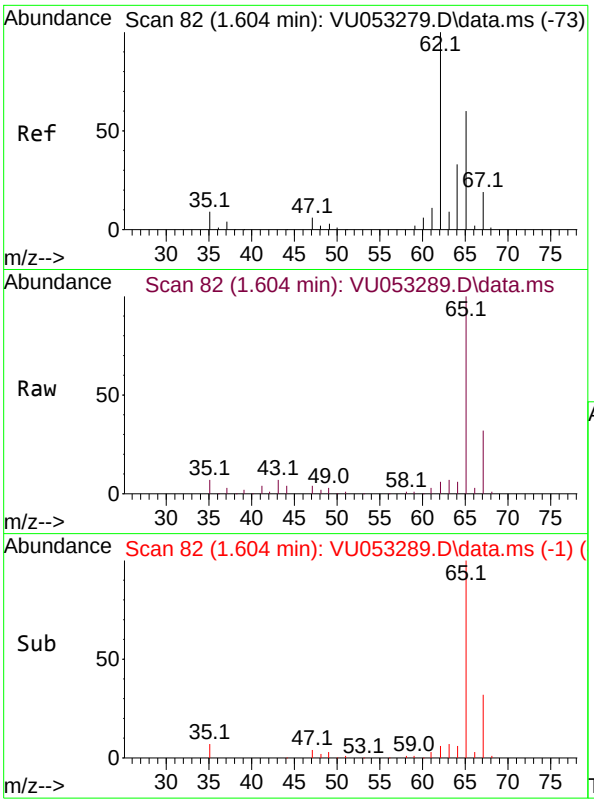
Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053289.D
Acq On : 18 Mar 2023 00:20
Operator : JC/MD
Sample : 01956-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E0287

Quant Time: Mar 18 05:00:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 18 04:29:10 2023
Response via : Initial Calibration



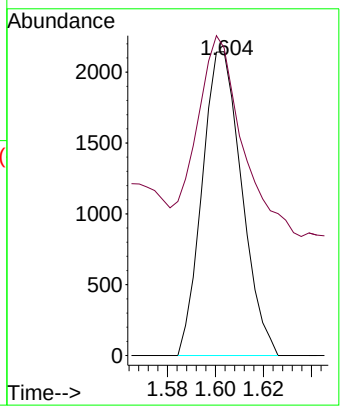


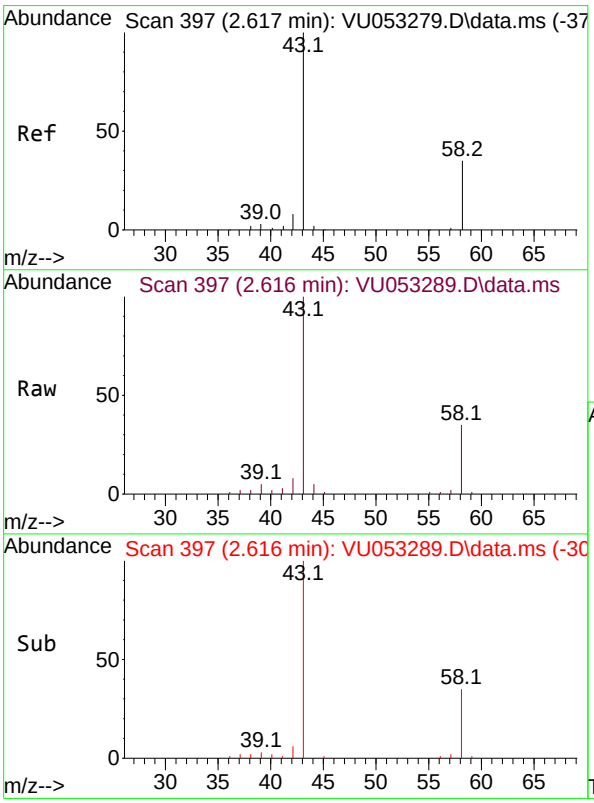
#5
Vinyl chloride
Concen: 1.632 ug/L
RT: 1.604 min Scan# 8
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion: 62 Resp: 2457

Ion	Ratio	Lower	Upper
62	100		
64	101.3	23.2	43.0#

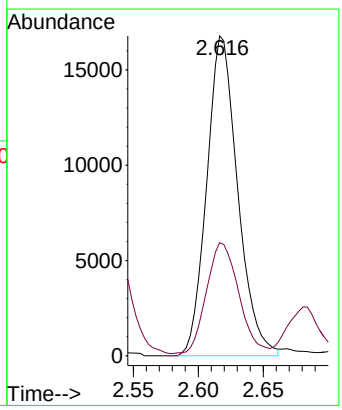


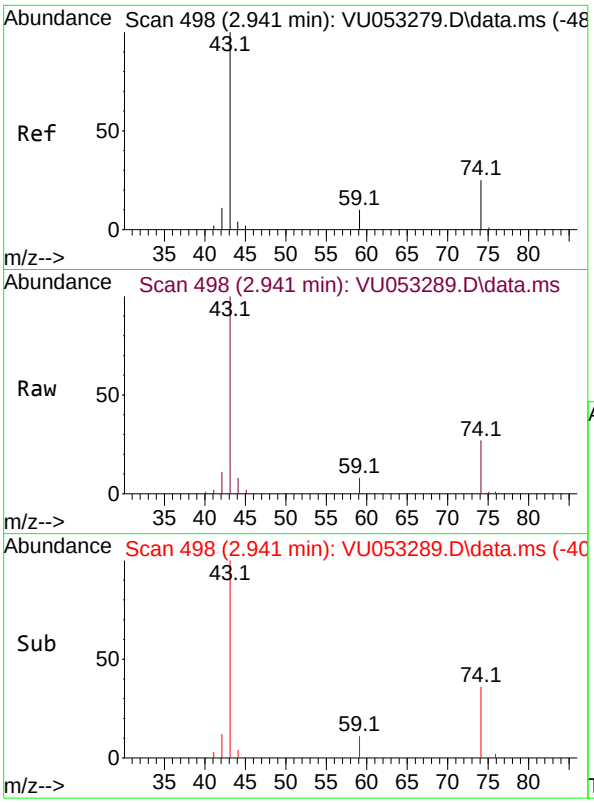


#13
Acetone
Concen: 39.967 ug/L
RT: 2.616 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion: 43 Resp: 27866

Ion	Ratio	Lower	Upper
43	100		
58	37.9	0.0	75.0



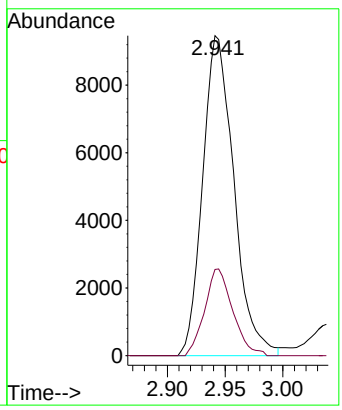


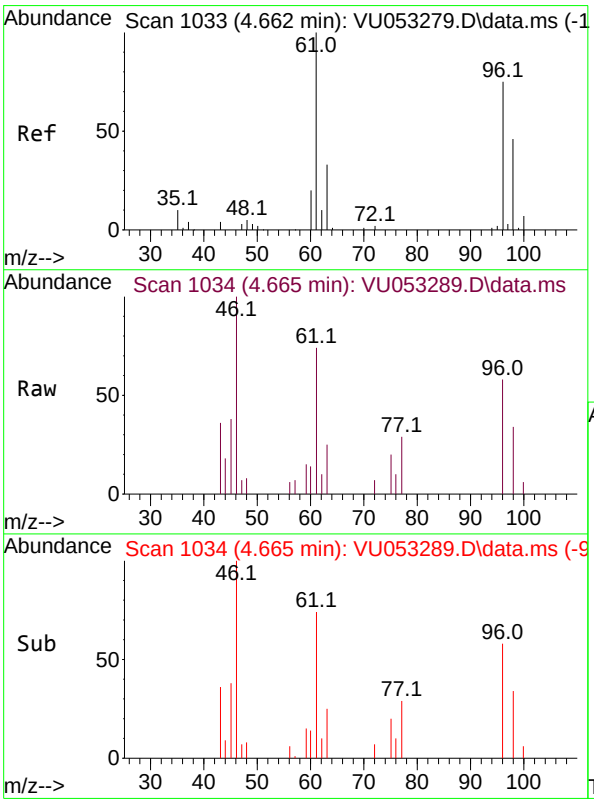
#15
Methyl Acetate
Concen: 18.608 ug/L
RT: 2.941 min Scan# 49
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion: 43 Resp: 17783

Ion	Ratio	Lower	Upper
43	100		
74	24.3	21.4	32.0

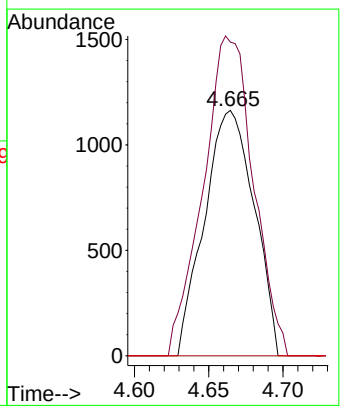


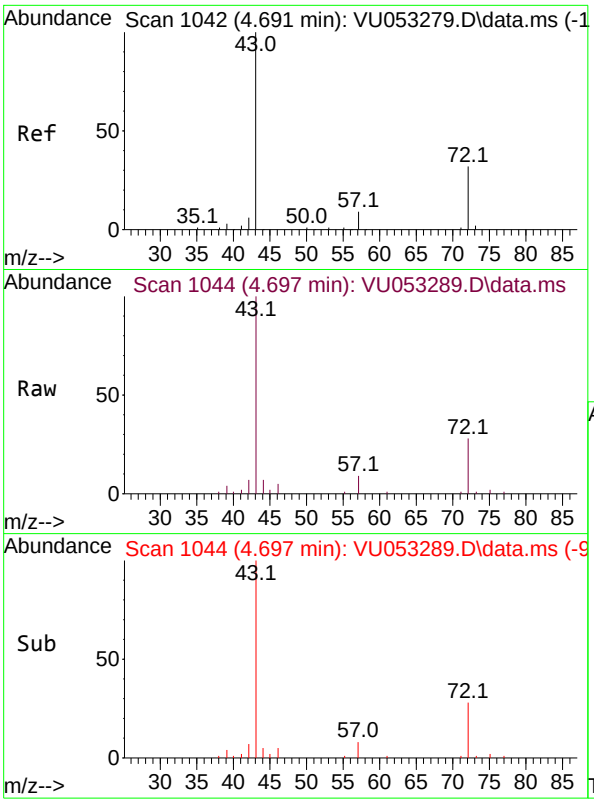


#20
cis-1,2-Dichloroethene
Concen: 2.167 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.003 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion: 96 Resp: 2714

Ion	Ratio	Lower	Upper
96	100		
61	127.8	92.5	171.7
68	0.0	0.0	0.0



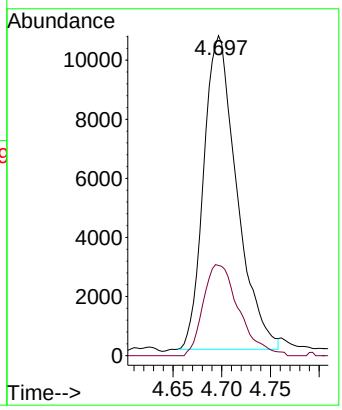


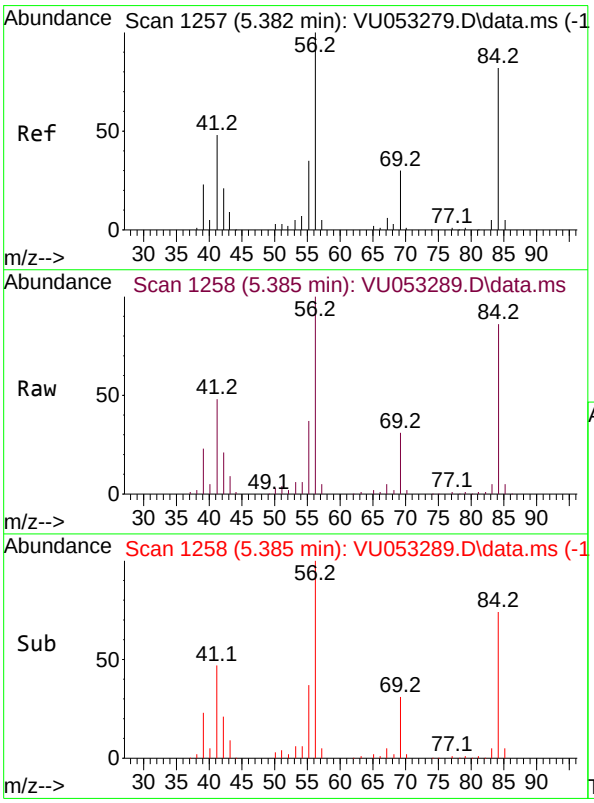
#22
2-Butanone
Concen: 31.583 ug/L
RT: 4.697 min Scan# 10
Delta R.T. 0.006 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion: 43 Resp: 25087

Ion	Ratio	Lower	Upper
43	100		
72	31.1	16.0	47.9

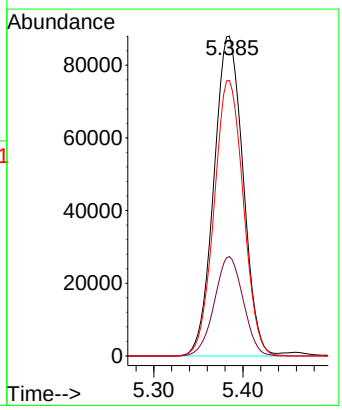


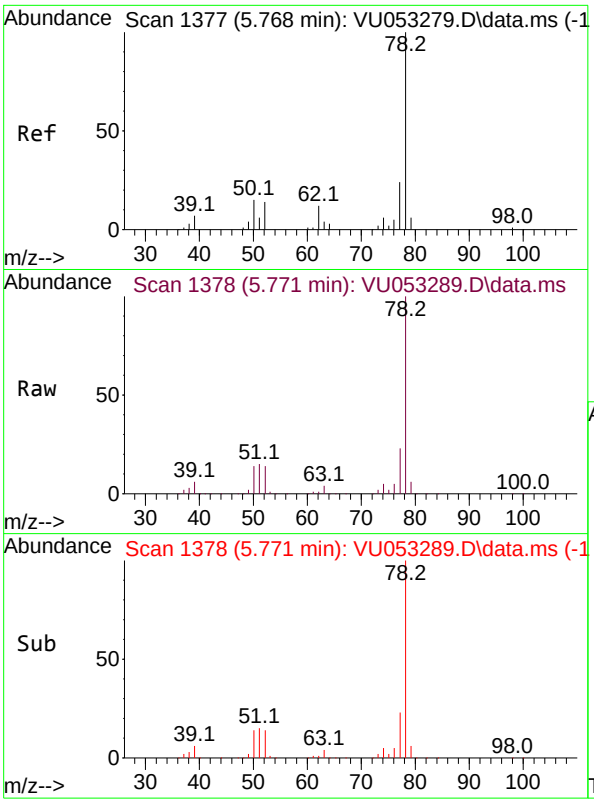


#29
Cyclohexane
Concen: 99.845 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion: 56 Resp: 200233

Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.4	38.0
84	86.2	69.0	103.6

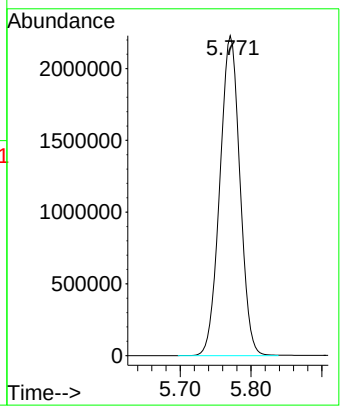


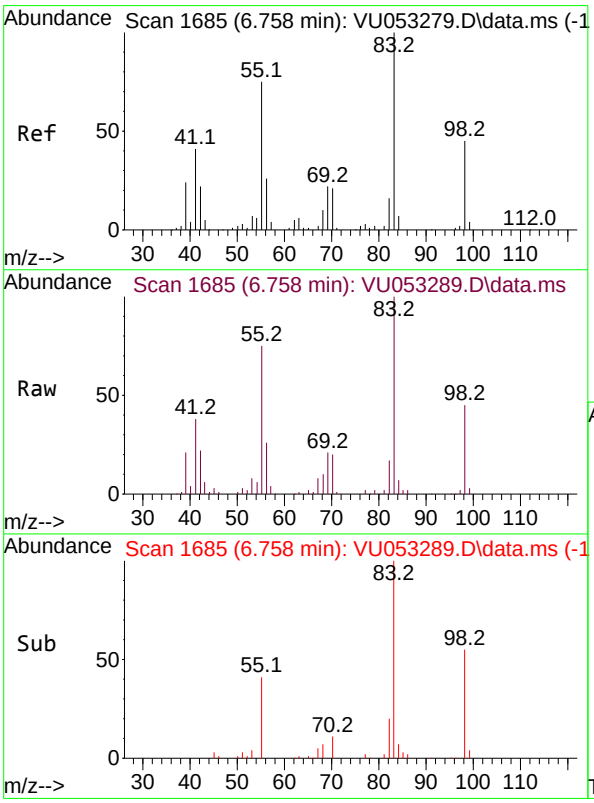


#33
Benzene
Concen: 939.973 ug/L
RT: 5.771 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion: 78 Resp: 4385992

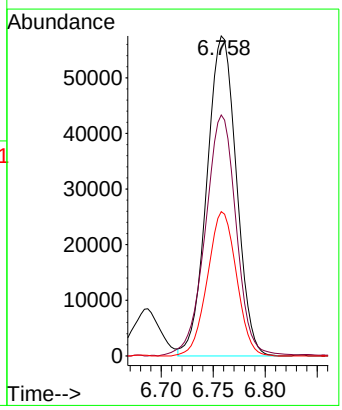


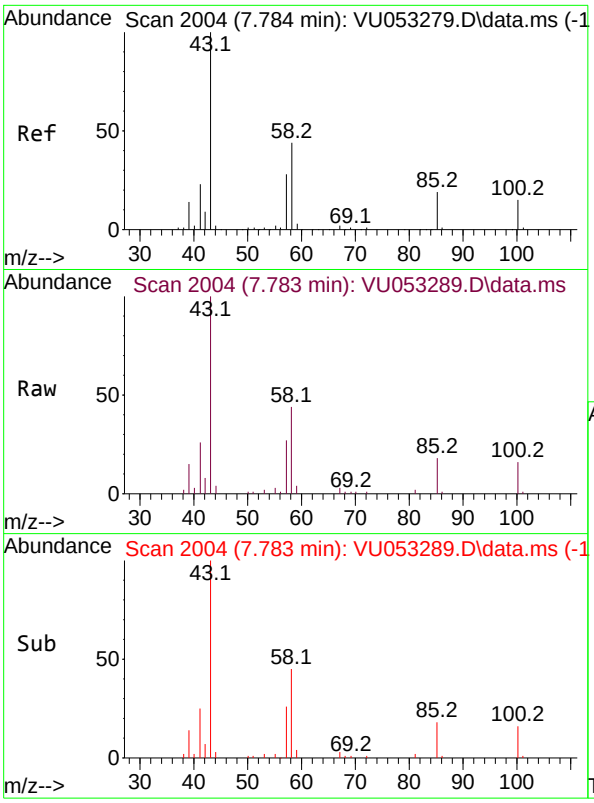


#35
Methylcyclohexane
Concen: 53.276 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion: 83 Resp: 113618

Ion	Ratio	Lower	Upper
83	100		
55	78.9	58.2	87.4
98	44.3	35.4	53.2



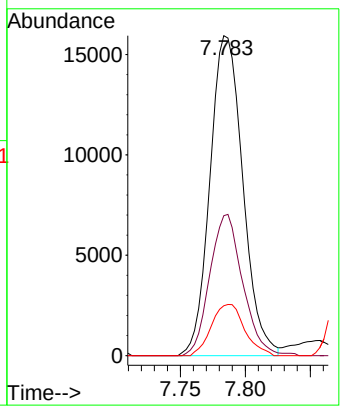


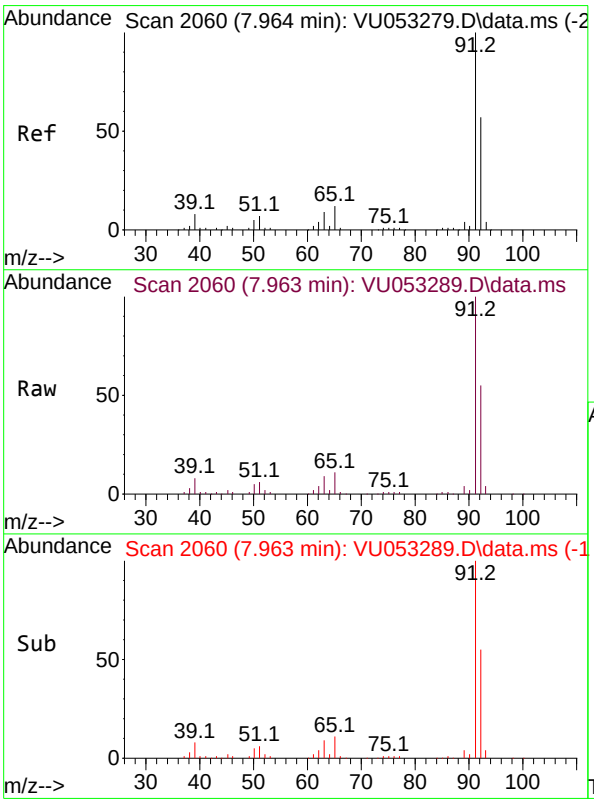
#40
4-Methyl-2-pentanone
Concen: 20.982 ug/L
RT: 7.783 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion: 43 Resp: 28075

Ion	Ratio	Lower	Upper
43	100		
58	43.9	35.8	53.6
100	16.2	13.0	19.6

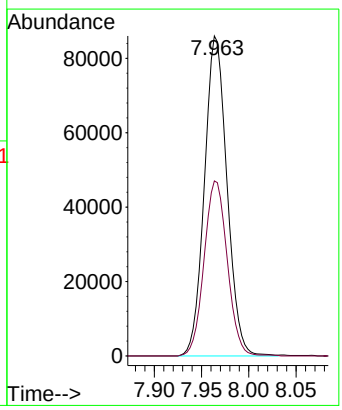


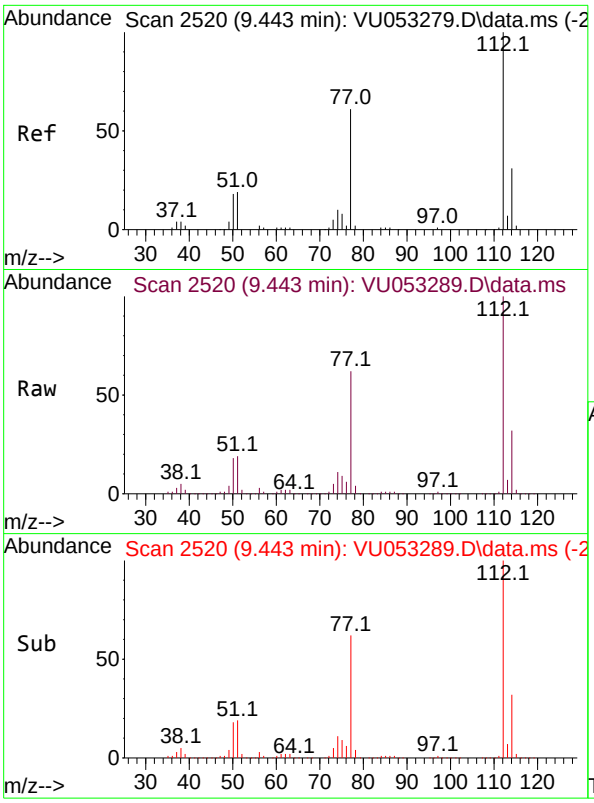


#42
Toluene
Concen: 28.471 ug/L
RT: 7.963 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion: 91 Resp: 142824

Ion	Ratio	Lower	Upper
91	100		
92	54.7	39.6	73.6



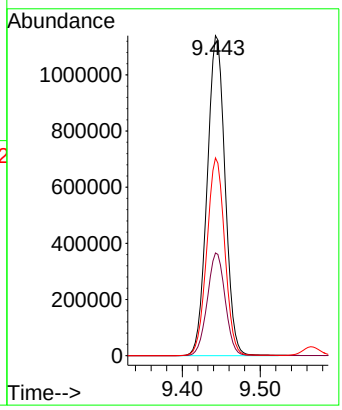


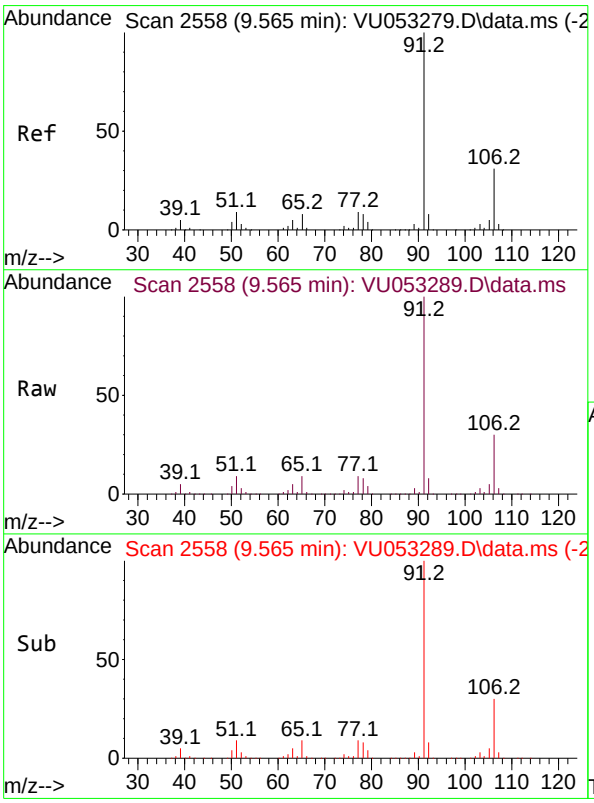
#51
Chlorobenzene
Concen: 581.423 ug/L
RT: 9.443 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion:112 Resp: 1817806

Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.8	40.6
77	61.8	48.8	73.2

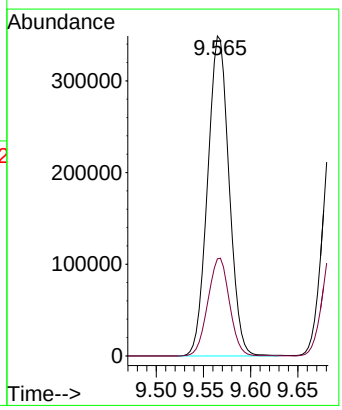


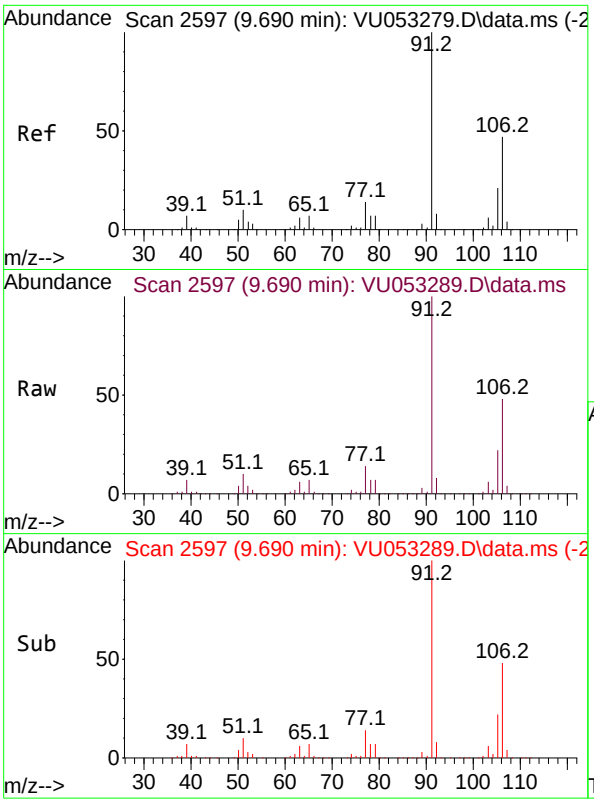


#52
Ethylbenzene
Concen: 97.251 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion: 91 Resp: 553230

Ion	Ratio	Lower	Upper
91	100		
106	30.3	21.6	40.0



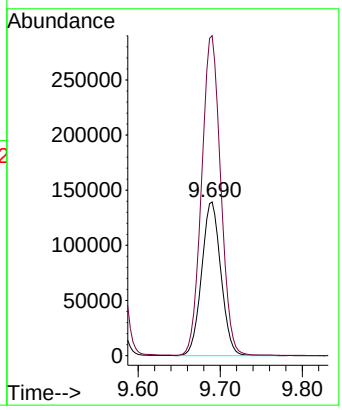


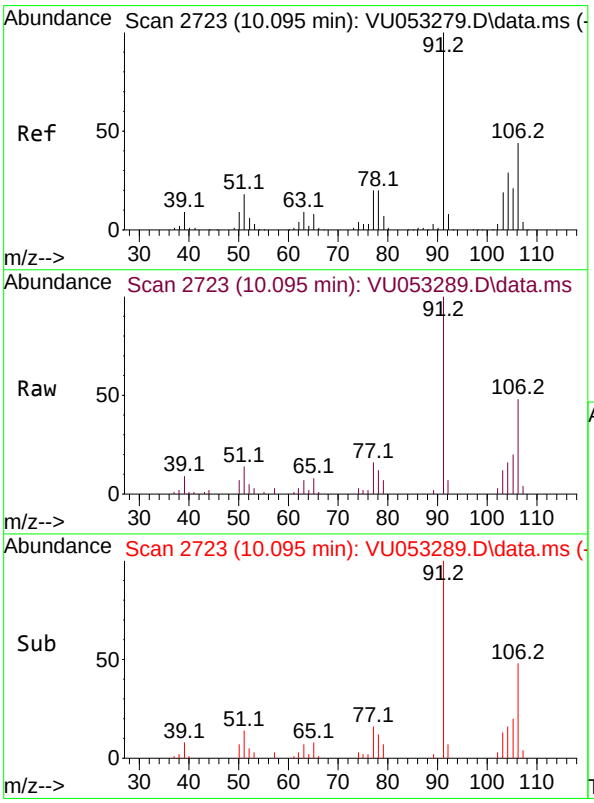
#53
m,p-Xylene
Concen: 107.147 ug/L
RT: 9.690 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion:106 Resp: 227498

Ion	Ratio	Lower	Upper
106	100		
91	208.2	145.3	269.8

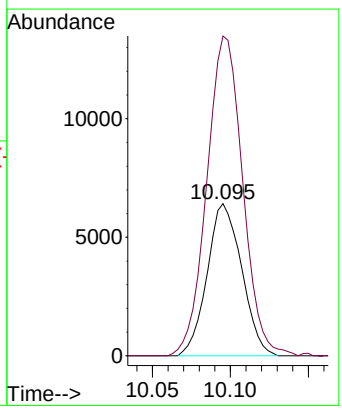


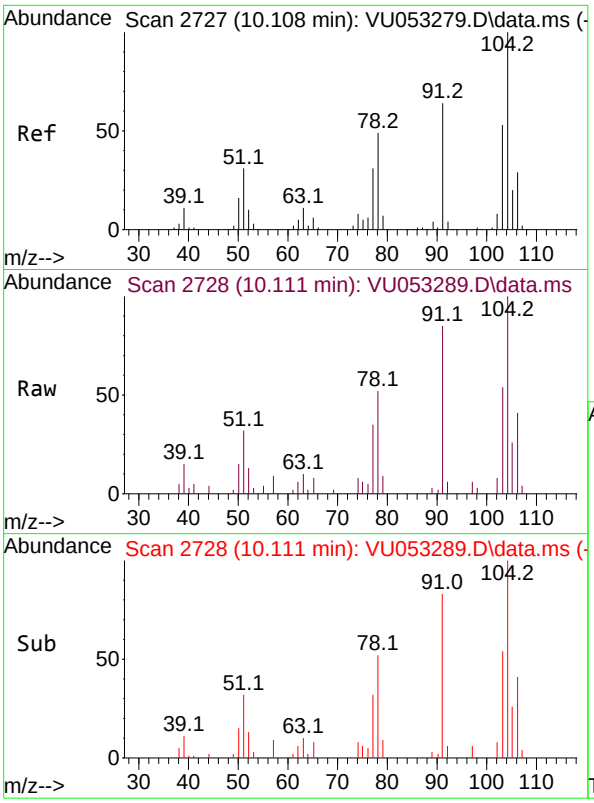


#54
o-Xylene
Concen: 4.712 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion:106 Resp: 9896

Ion	Ratio	Lower	Upper
106	100		
91	210.2	154.9	287.7



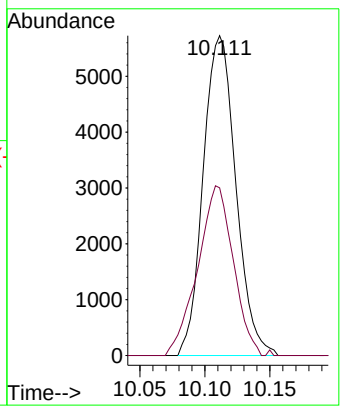


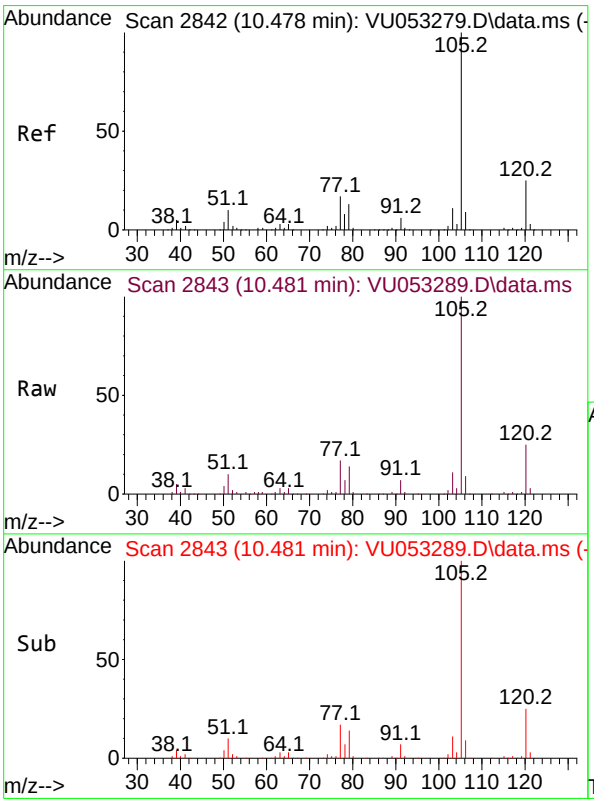
#55
Styrene
Concen: 2.862 ug/L
RT: 10.111 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion:104 Resp: 10015

Ion	Ratio	Lower	Upper
104	100		
78	52.4	32.9	61.1

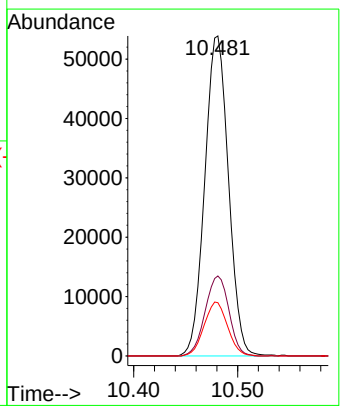


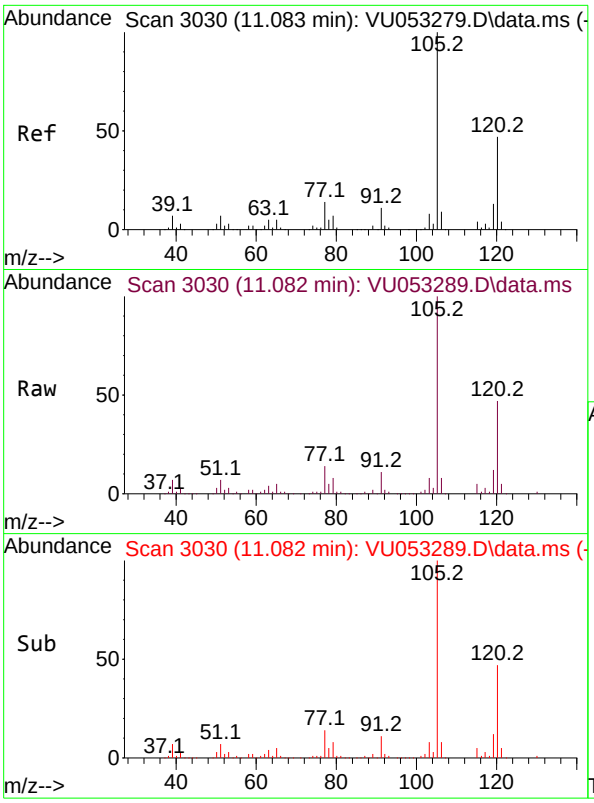


#61
Isopropylbenzene
Concen: 16.284 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion:105 Resp: 85489

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.4	30.6
77	16.7	13.0	19.4



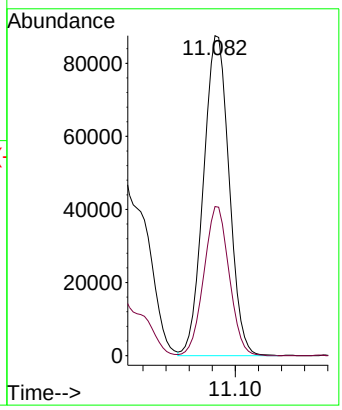


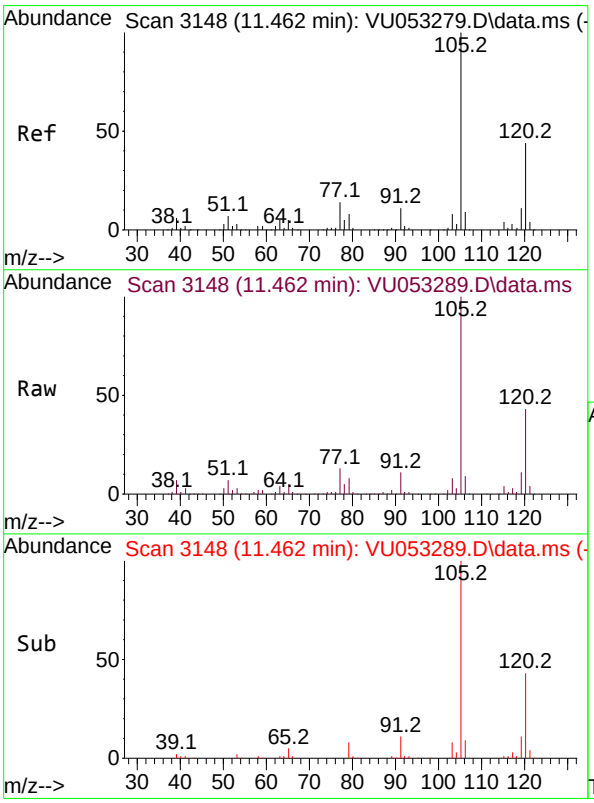
#62
1,3,5-Trimethylbenzene
Concen: 31.011 ug/L
RT: 11.082 min Scan# 30
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
E0287

Tgt Ion:105 Resp: 134763

Ion	Ratio	Lower	Upper
105	100		
120	46.0	37.0	55.4





#63
1,2,4-Trimethylbenzene
Concen: 52.161 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU053289.D
Acq: 18 Mar 2023 00:20

Tgt Ion:105 Resp: 220947

Ion	Ratio	Lower	Upper
105	100		
120	43.5	34.6	52.0