Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071719\
Data File : VU033279.D
Acq On : 17 Jul 2019 09:56
Operator : JC/SP
Sample : K3772-01DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Quant Time: Jul 18 08:23:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	128525	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	135493	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	59755	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	58388	4.51	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 90.20%			
7) Chloroethane-d5	1.67	69	54309	5.03	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 100.60%			
11) 1,1-Dichloroethene-d2	2.26	63	94780	3.79	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 75.80%			
20) 2-Butanone-d5	4.17	46	122520	50.23	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 100.46%			
24) Chloroform-d	4.62	84	94857	4.97	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 99.40%			
26) 1,2-Dichloroethane-d4	5.29	65	52094	5.05	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.00%			
32) Benzene-d6	5.32	84	181363	4.81	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 96.20%			
36) 1,2-Dichloropropane-d6	6.31	67	58530	4.87	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 97.40%			
41) Toluene-d8	7.55	98	160618	4.50	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 90.00%			
43) trans-1,3-Dichloropropene-	7.84	79	22646	4.71	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 94.20%			
46) 2-Hexanone-d5	8.30	63	97355	49.26	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 98.52%			
57) 1,1,2,2-Tetrachloroethane-	10.42	84	49781	4.99	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.80%			
64) 1,2-Dichlorobenzene-d4	11.85	152	59204	5.09	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.80%			
Target Compounds						Qvalue
6) Bromomethane	1.62	94	5876	0.670	ug/L	93
12) 1,1-Dichloroethene	2.27	96	6948	0.658	ug/L #	1
13) Acetone	2.32	43	38677	18.111	ug/L	82
14) Carbon disulfide	2.46	76	76257	2.231	ug/L	100
15) Methyl Acetate	2.60	43	52496	9.842	ug/L	98
16) Methylene chloride	2.68	84	18089	1.405	ug/L	93
17) Methyl tert-butyl Ether	2.99	73	81759	2.956	ug/L	99
21) 2-Butanone	4.26	43	24414	9.947	ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	16847	1.709	ug/L	97
27) 1,2-Dichloroethane	5.39	62	16910	1.464	ug/L	98
30) Cyclohexane	4.97	56	35562	2.530	ug/L	99
33) Benzene	5.37	78	51554	1.344	ug/L	100
34) Trichloroethene	6.16	95	9563	0.942	ug/L	96
35) Methylcyclohexane	6.39	83	73118	4.779	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	38419	6.461	ug/L	98
42) Toluene	7.62	91	166831	4.050	ug/L	100
47) Tetrachloroethene	8.21	164	9333	1.147	ug/L	97

Quantitation Report (QT/LSC Reviewed)

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Data File : VU033279.D
Acq On : 17 Jul 2019 09:56
Operator : JC/SP
Sample : K3772-01DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Quant Time: Jul 18 08:23:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 2-Hexanone	8.35	43	30677	7.054	ug/L		97
50) 1,2-Dibromoethane	8.58	107	3502	0.492	ug/L	#	97
52) Ethylbenzene	9.23	91	97121	2.209	ug/L		100
53) m,p-Xylene	9.36	106	32562	1.960	ug/L		91
62) 1,3-Dichlorobenzene	11.40	146	27377	1.533	ug/L		98

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

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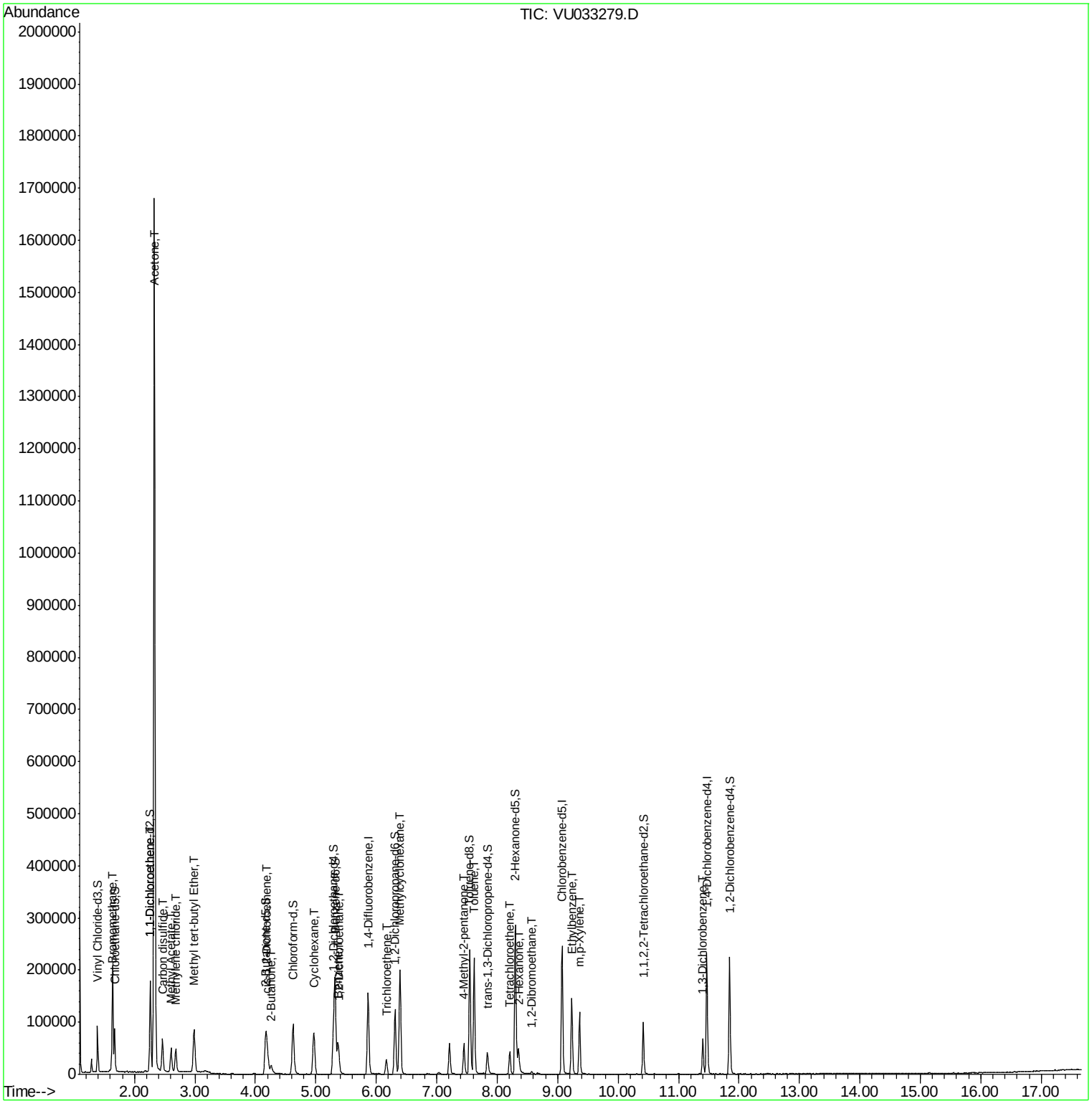
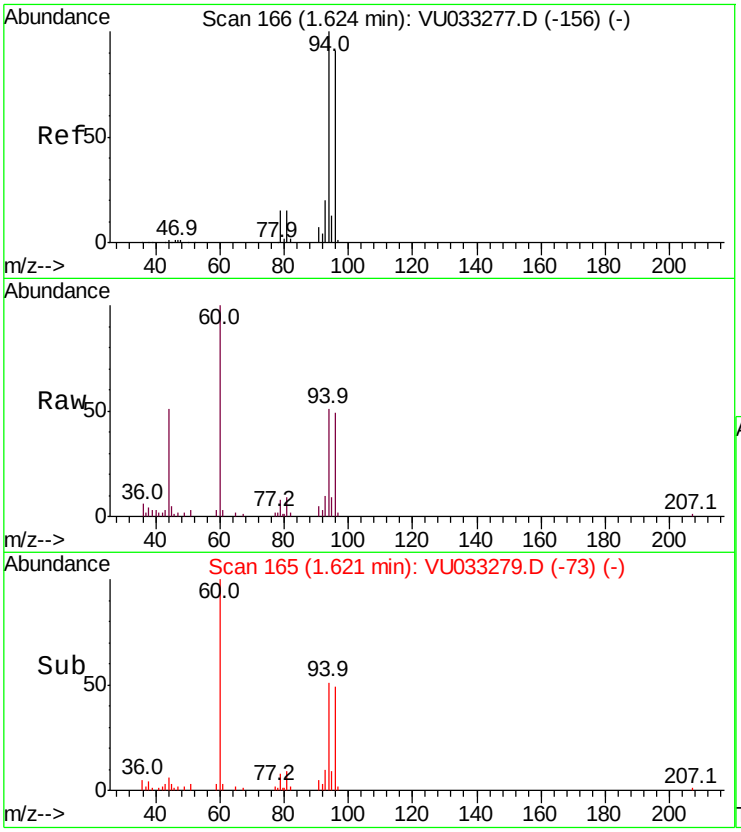
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration



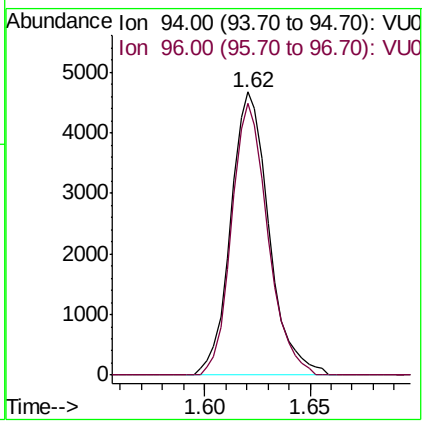


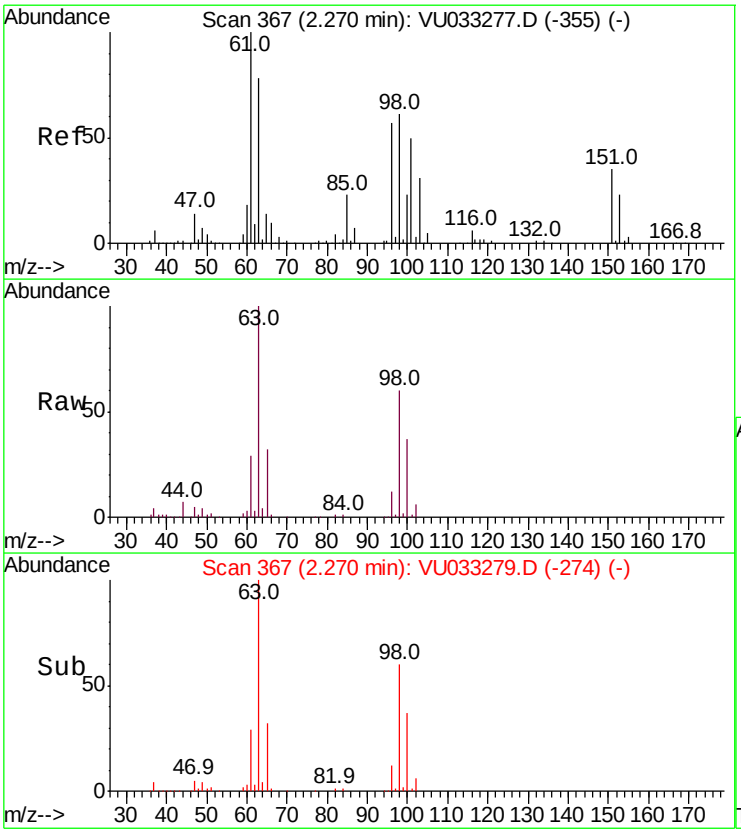
#6
Bromomethane
Concen: 0.670 ug/L
RT: 1.62 min Scan# 165
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument :
MSVOA_U
ClientSampleId :
A52T8DL

Tgt Ion: 94 Resp: 5876

Ion	Ratio	Lower	Upper
94	100		
96	96.1	62.4	116.0

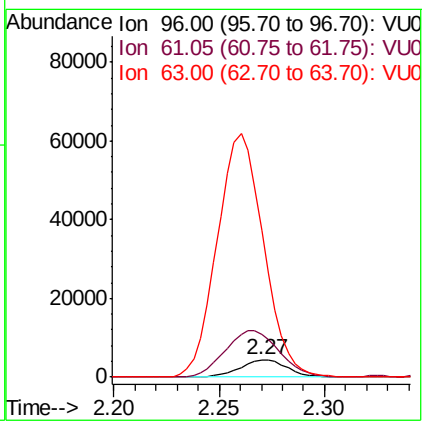


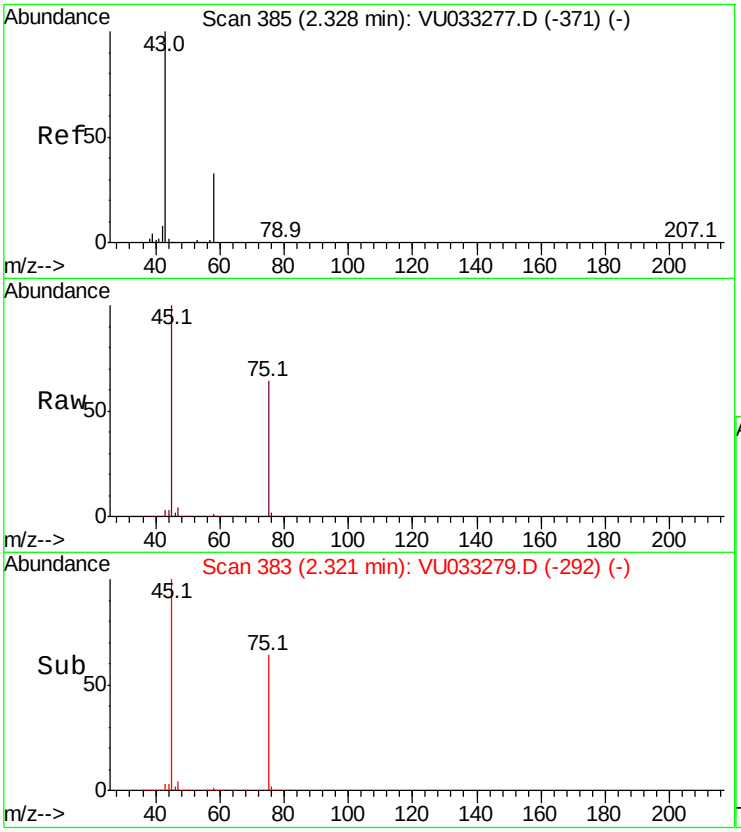


#12
1,1-Dichloroethene
Concen: 0.658 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 96 Resp: 6948

Ion	Ratio	Lower	Upper
96	100		
61	246.3	129.3	240.1#
63	839.0	108.9	202.3#



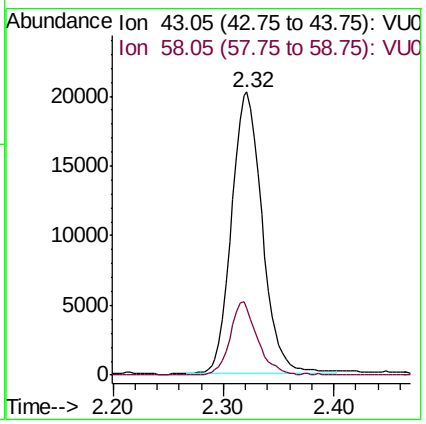


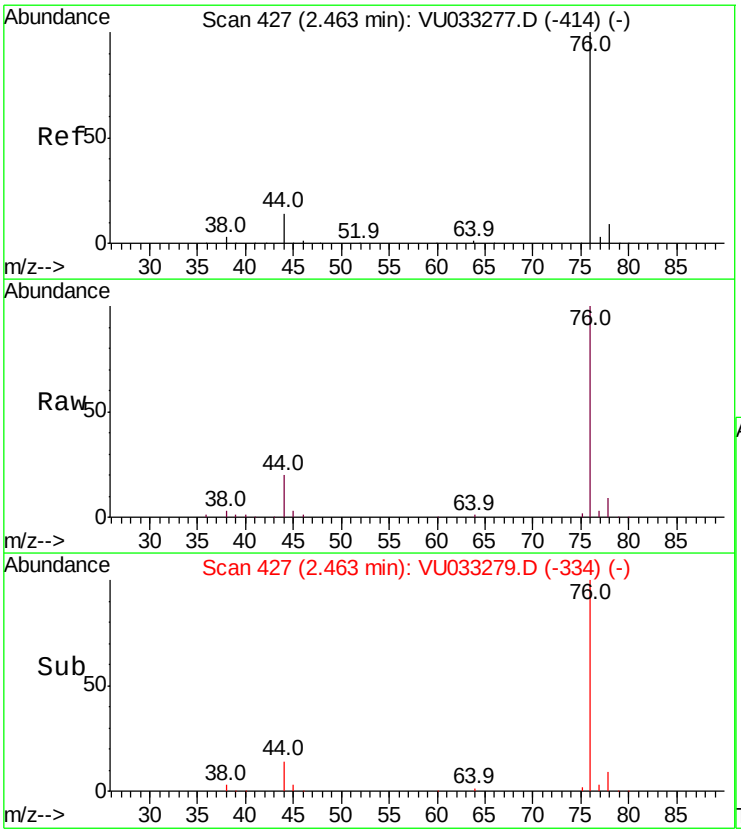
#13
Acetone
Concen: 18.111 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.01 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Tgt Ion: 43 Resp: 38677

Ion	Ratio	Lower	Upper
43	100		
58	23.3	0.0	66.6

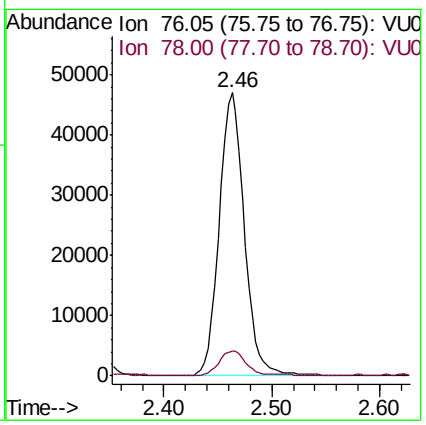


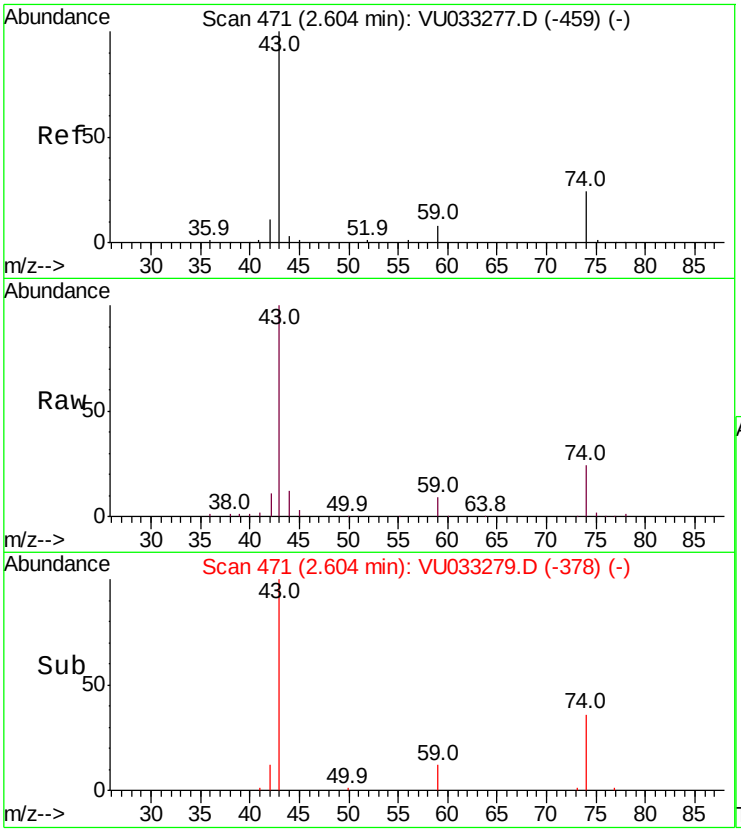


#14
Carbon disulfide
Concen: 2.231 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 76 Resp: 76257

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7



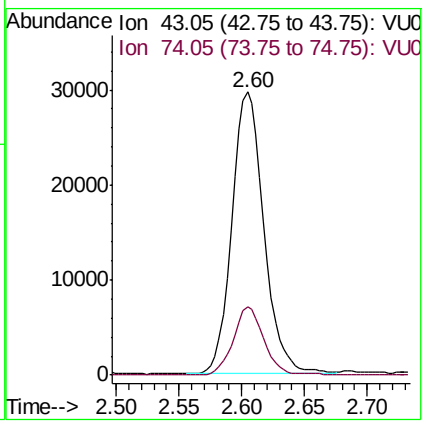


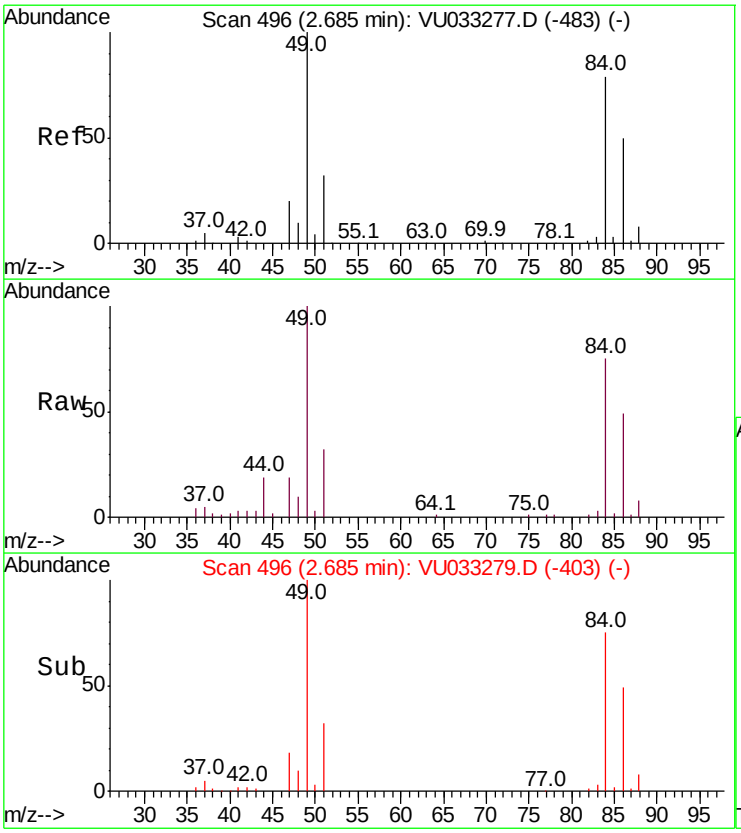
#15
Methyl Acetate
Concen: 9.842 ug/L
RT: 2.60 min Scan# 471
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Tgt Ion: 43 Resp: 52496

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.8	26.8

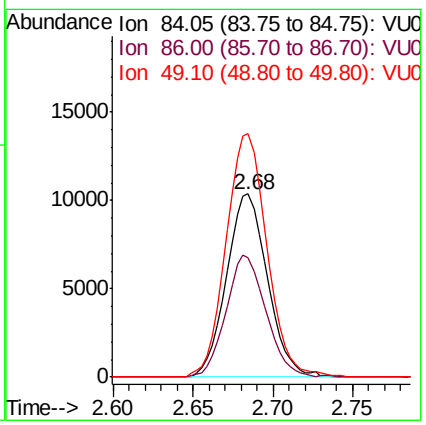


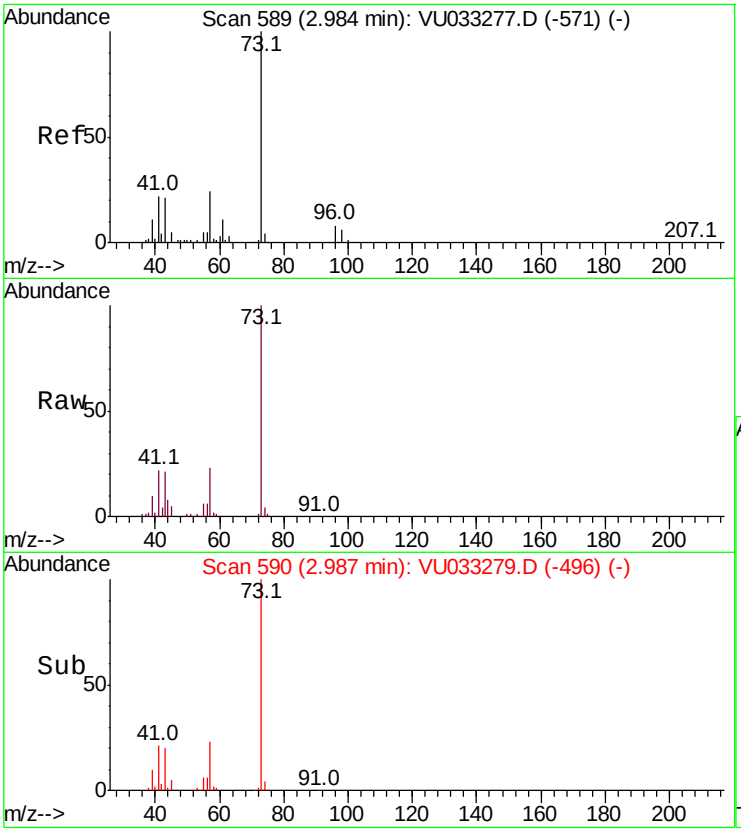


#16
Methylene chloride
Concen: 1.405 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 84 Resp: 18089

Ion	Ratio	Lower	Upper
84	100		
86	65.0	42.5	78.9
49	132.9	86.9	161.3



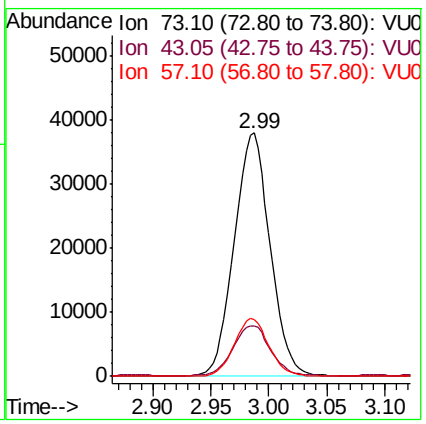


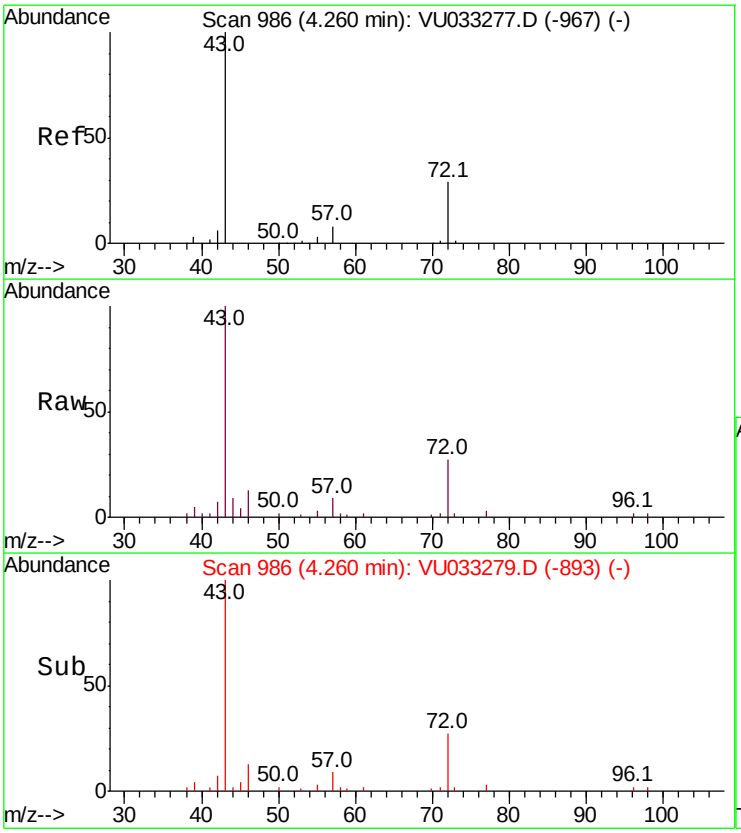
#17
Methyl tert-butyl Ether
Concen: 2.956 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Tgt Ion: 73 Resp: 81759

Ion	Ratio	Lower	Upper
73	100		
43	21.3	16.3	24.5
57	22.8	18.6	28.0

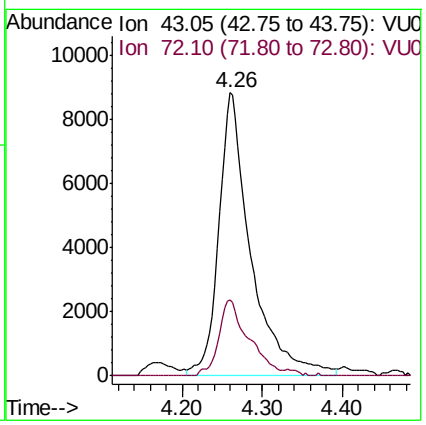


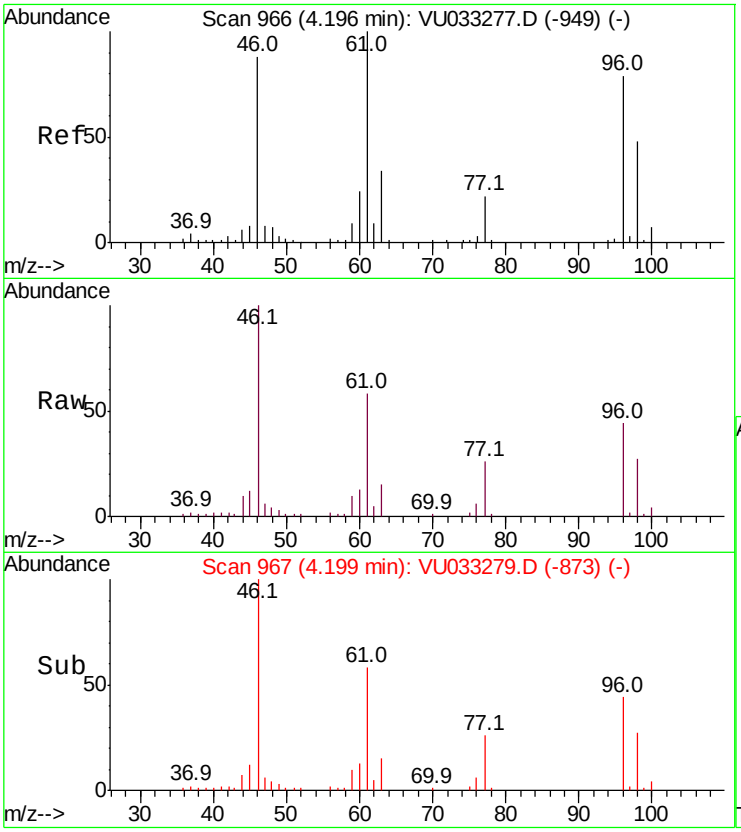


#21
2-Butanone
Concen: 9.947 ug/L
RT: 4.26 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 43 Resp: 24414

Ion	Ratio	Lower	Upper
43	100		
72	24.9	13.5	40.4



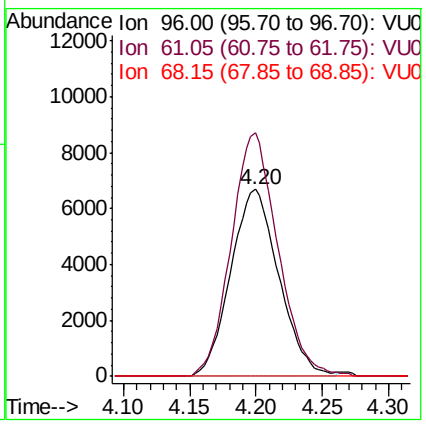


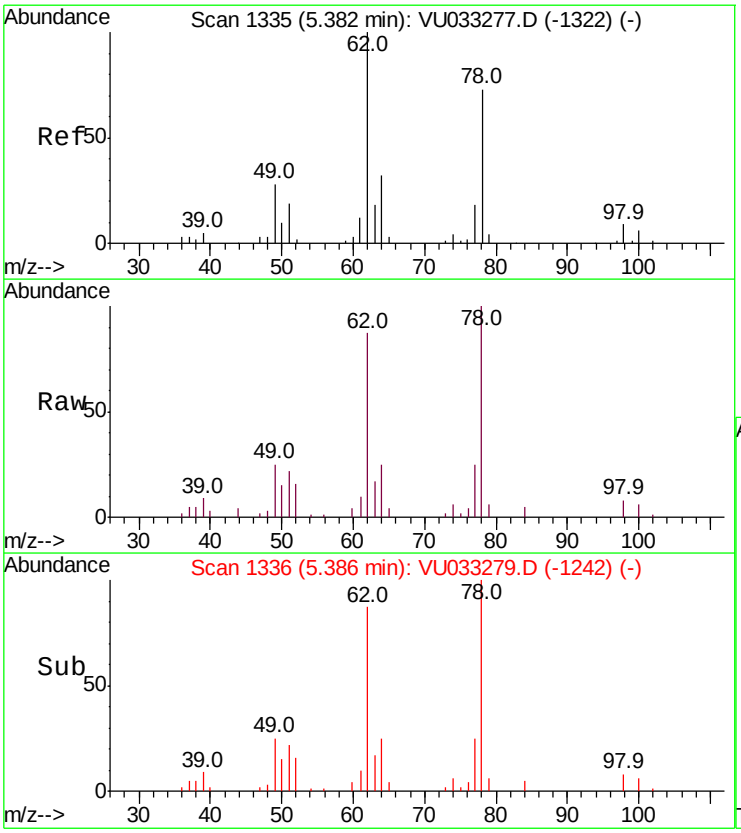
#22
cis-1,2-Dichloroethene
Concen: 1.709 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument :
MSVOA_U
ClientSampleId :
A52T8DL

Tgt Ion: 96 Resp: 16847

Ion	Ratio	Lower	Upper
96	100		
61	130.4	89.2	165.6
68	0.0	0.0	0.0

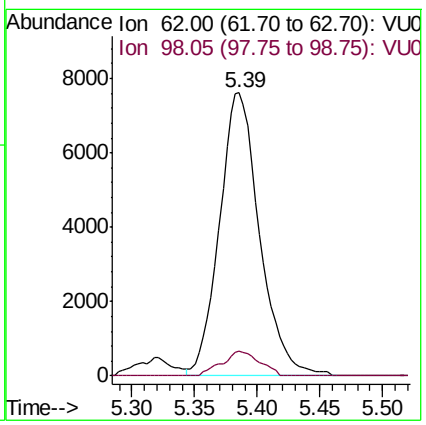


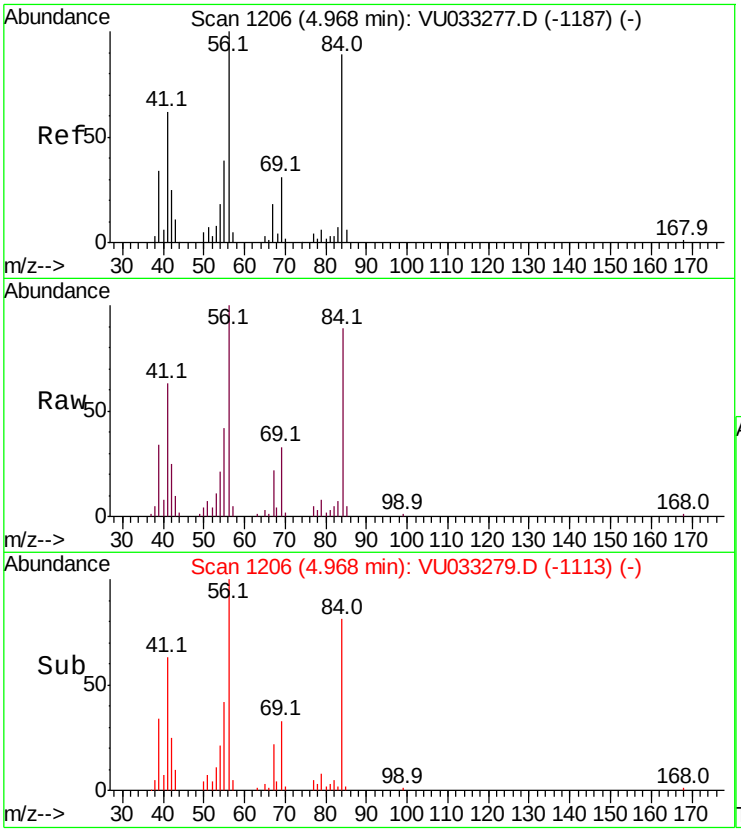


#27
1,2-Dichloroethane
Concen: 1.464 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 62 Resp: 16910

Ion	Ratio	Lower	Upper
62	100		
98	8.9	6.6	10.0



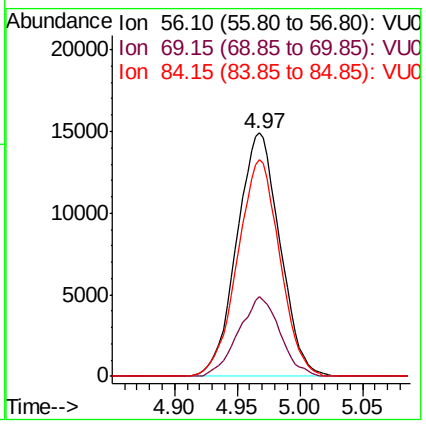


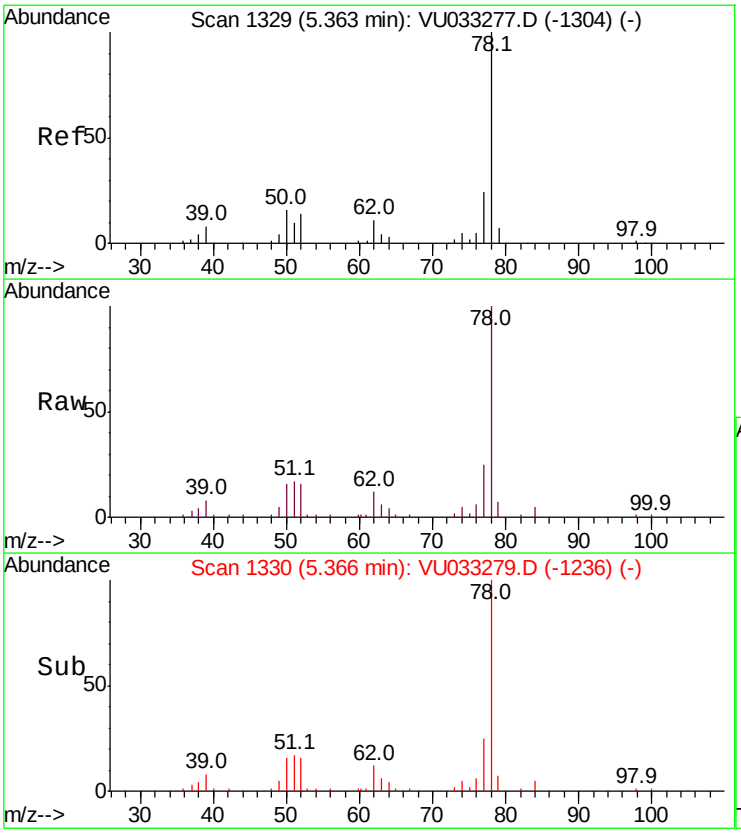
#30
Cyclohexane
Concen: 2.530 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument :
MSVOA_U
ClientSampleId :
A52T8DL

Tgt Ion: 56 Resp: 35562

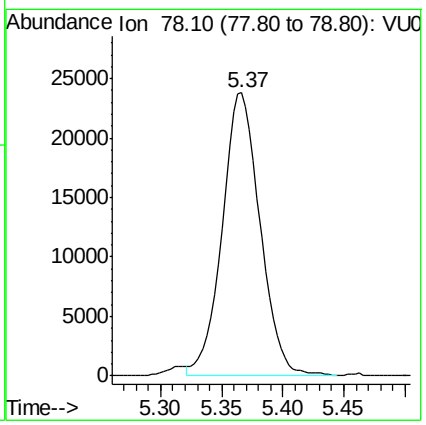
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.9	35.9
84	87.3	69.5	104.3

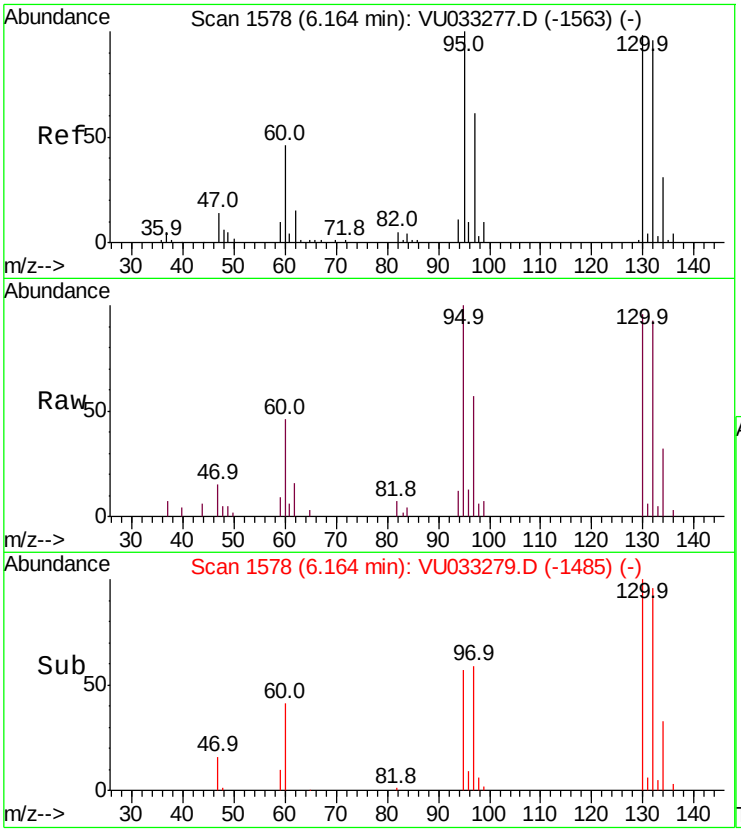




#33
Benzene
Concen: 1.344 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 78 Resp: 51554



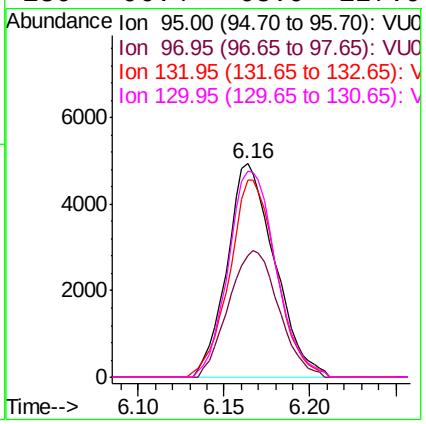


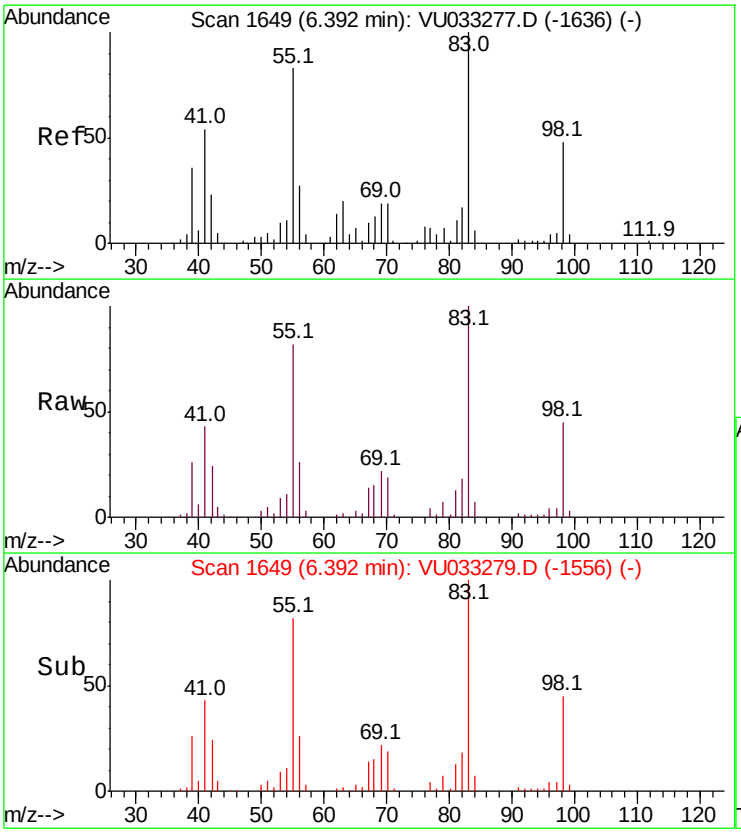
#34
Trichloroethene
Concen: 0.942 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument :
MSVOA_U
ClientSampleId :
A52T8DL

Tgt Ion: 95 Resp: 9563

Ion	Ratio	Lower	Upper
95	100		
97	56.7	44.5	82.7
132	92.6	66.6	123.8
130	96.4	68.9	127.9

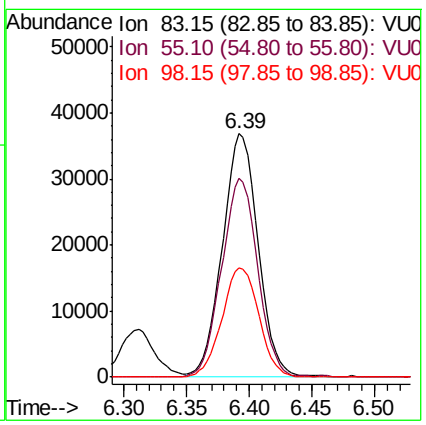


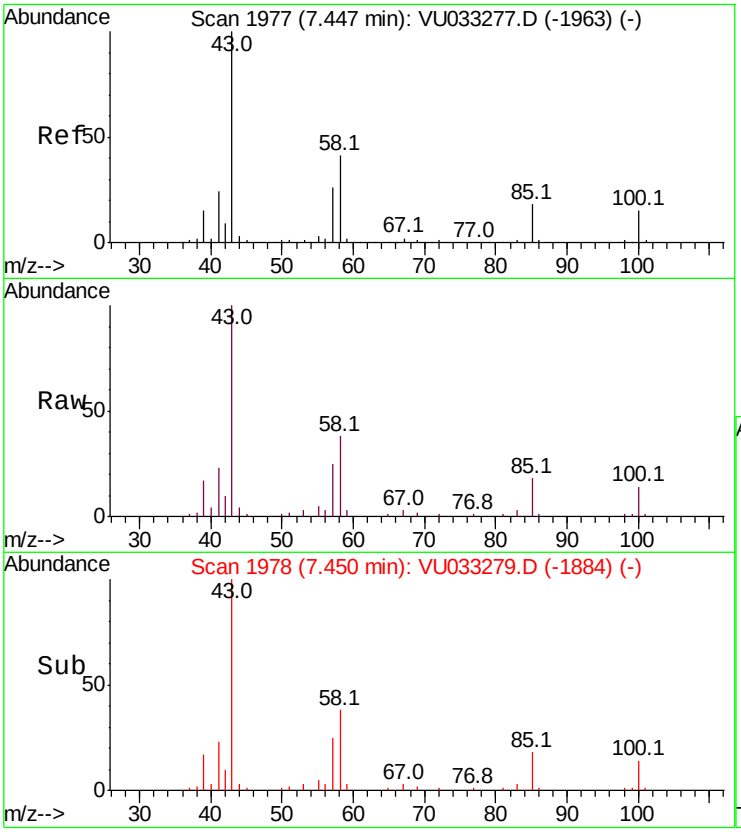


#35
Methylcyclohexane
Concen: 4.779 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 83 Resp: 73118

Ion	Ratio	Lower	Upper
83	100		
55	82.3	62.6	94.0
98	46.2	36.2	54.2



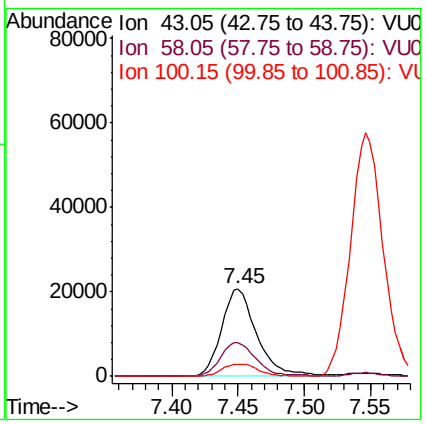


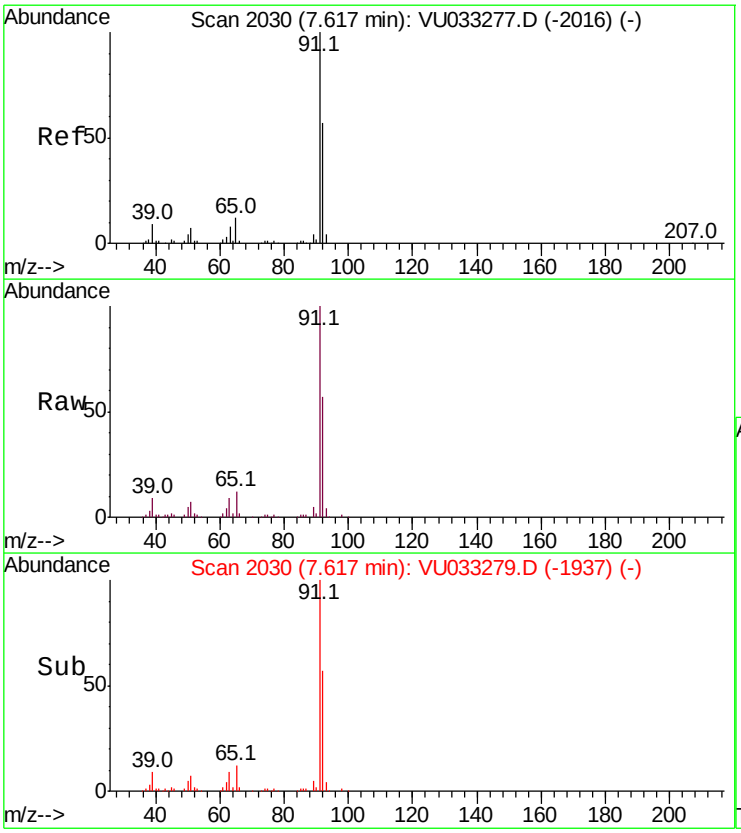
#40
4-Methyl-2-pentanone
Concen: 6.461 ug/L
RT: 7.45 min Scan# 1978
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Tgt Ion: 43 Resp: 38419

Ion	Ratio	Lower	Upper
43	100		
58	39.2	32.4	48.6
100	14.3	11.9	17.9

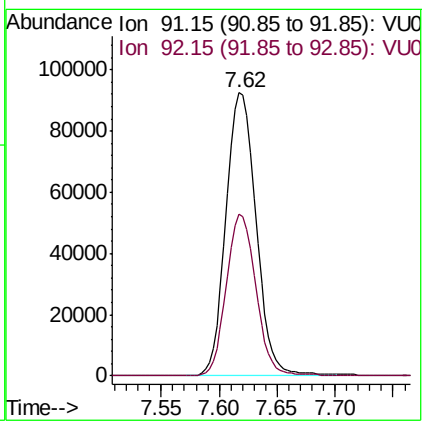


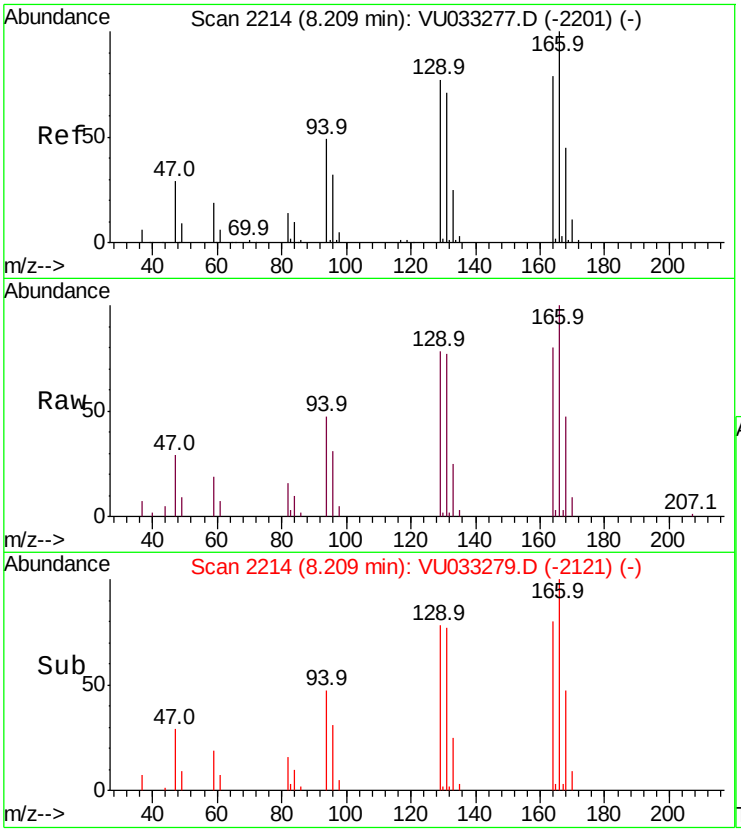


#42
Toluene
Concen: 4.050 ug/L
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 91 Resp: 166831

Ion	Ratio	Lower	Upper
91	100		
92	57.0	40.0	74.2



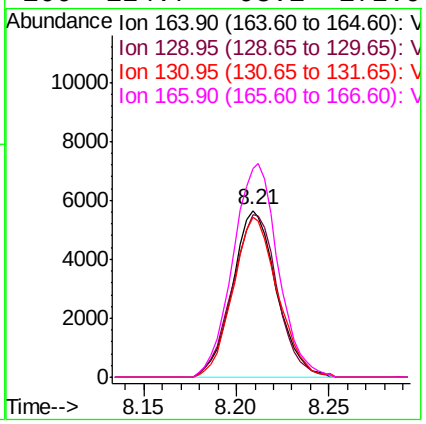


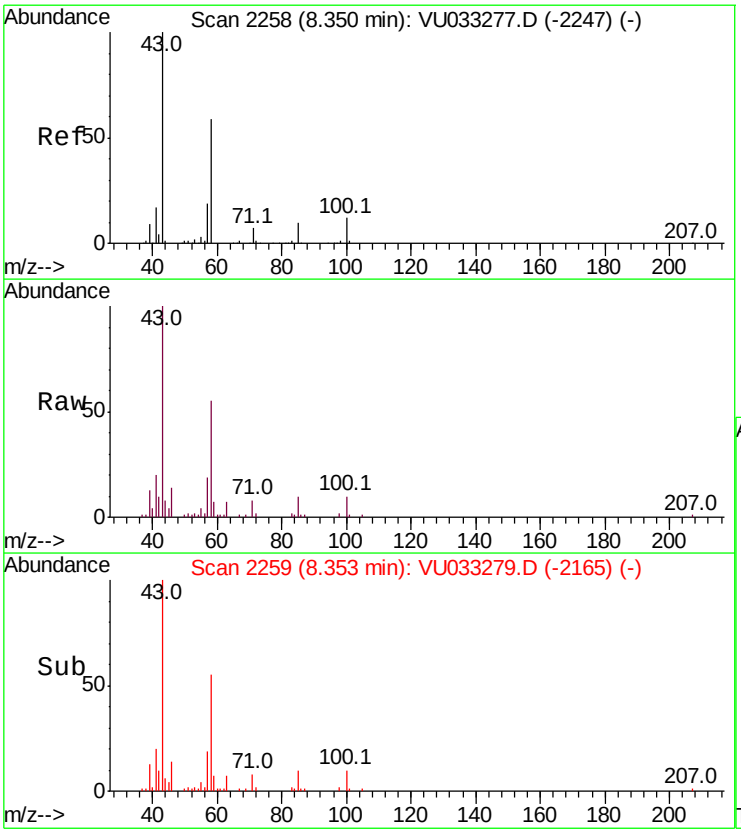
#47
Tetrachloroethene
Concen: 1.147 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Tgt Ion:164 Resp: 9333

Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.5	127.1
131	95.5	67.3	124.9
166	124.7	93.1	172.9

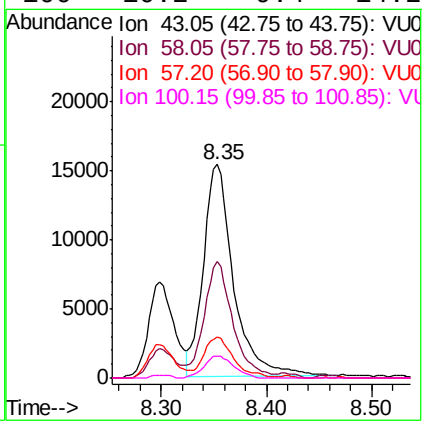


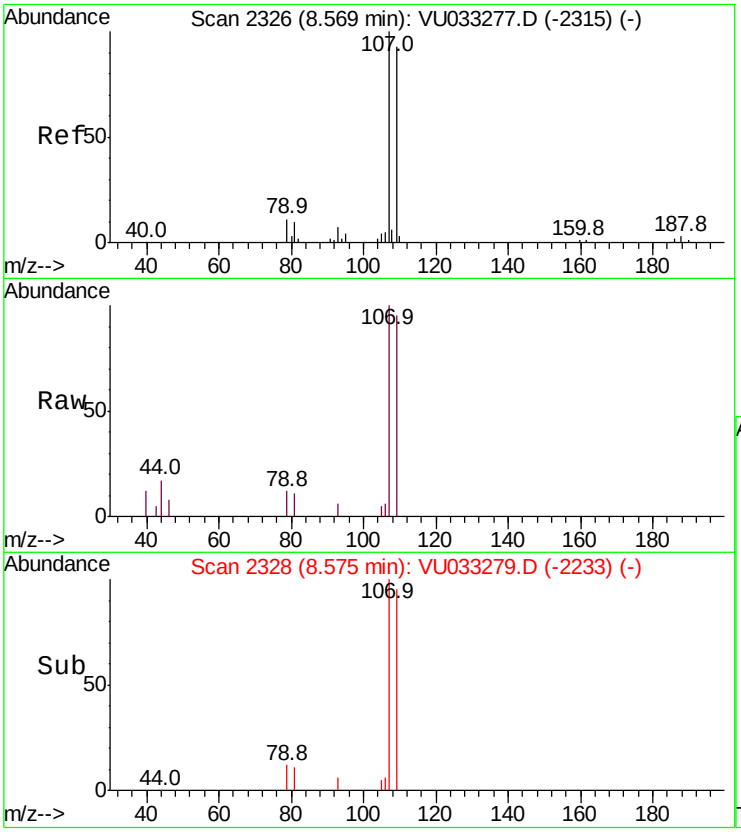


#48
2-Hexanone
Concen: 7.054 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 43 Resp: 30677

Ion	Ratio	Lower	Upper
43	100		
58	52.5	44.1	66.1
57	19.2	15.8	23.8
100	10.2	9.4	14.2



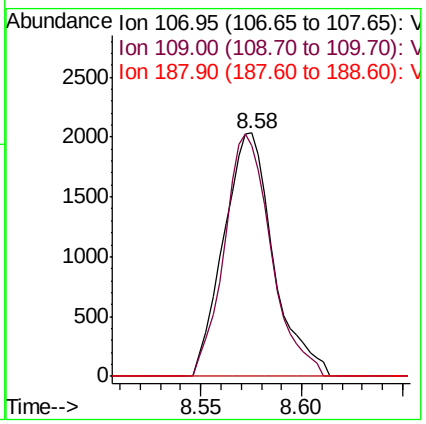


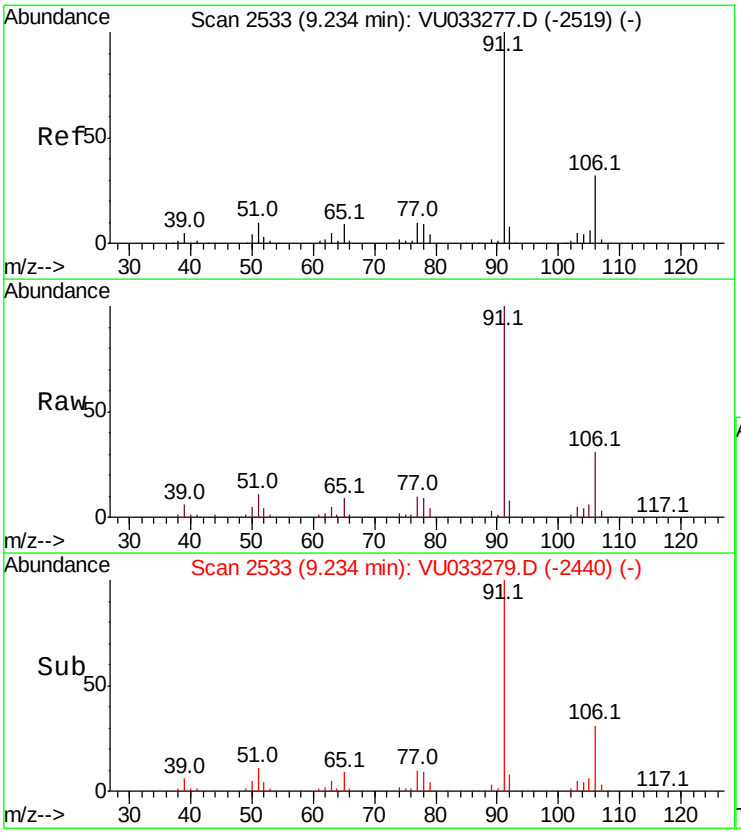
#50
1,2-Dibromoethane
Concen: 0.492 ug/L
RT: 8.58 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Tgt Ion:107 Resp: 3502

Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.8	120.4
188	0.0	3.0	4.6#

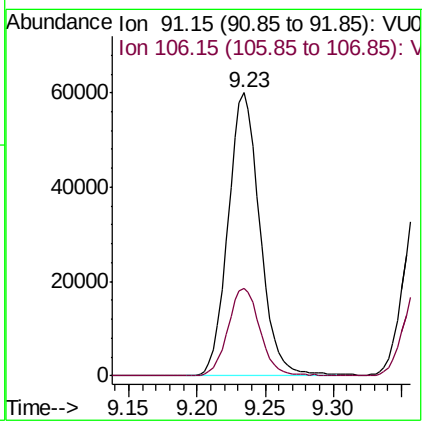


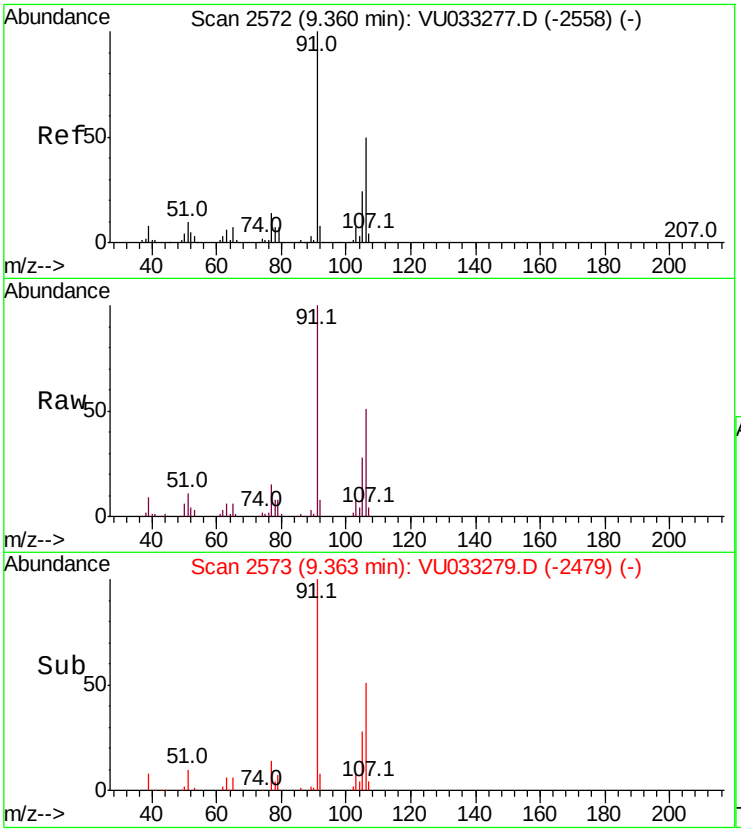


#52
Ethylbenzene
Concen: 2.209 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion: 91 Resp: 97121

Ion	Ratio	Lower	Upper
91	100		
106	30.9	21.6	40.2



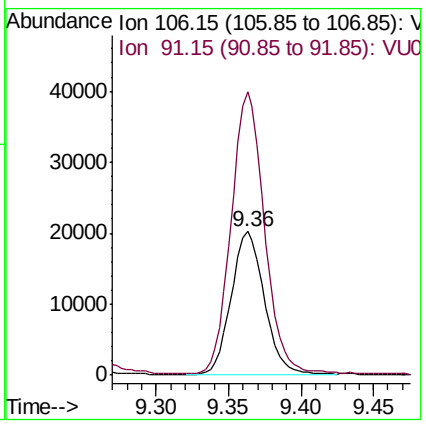


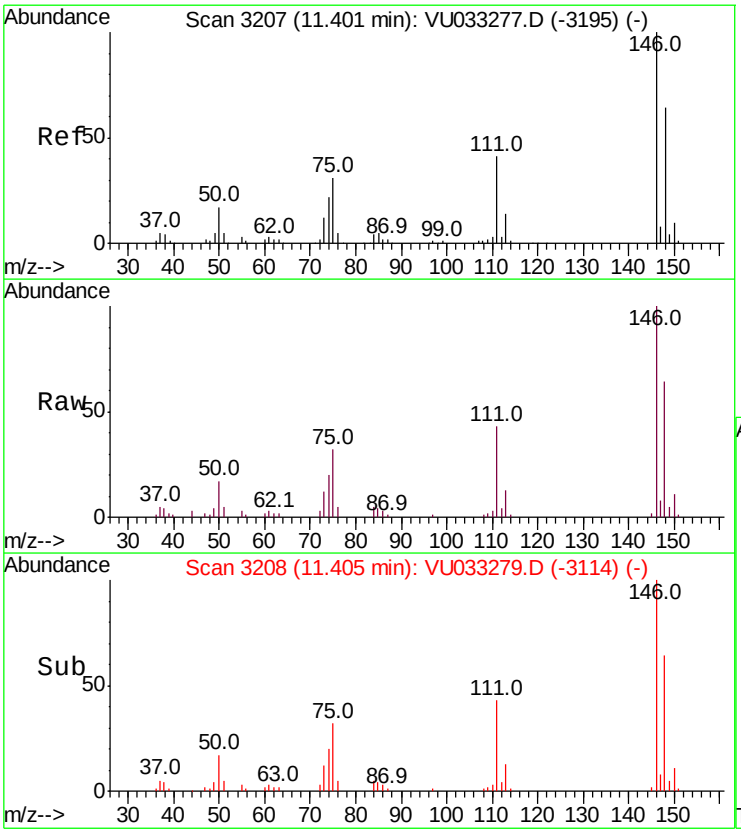
#53
m,p-Xylene
Concen: 1.960 ug/L
RT: 9.36 min Scan# 2573
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Instrument : MSVOA_U
ClientSampleId : A52T8DL

Tgt Ion:106 Resp: 32562

Ion	Ratio	Lower	Upper
106	100		
91	197.0	147.6	274.0





#62
1,3-Dichlorobenzene
Concen: 1.533 ug/L
RT: 11.40 min Scan# 3208
Delta R.T. 0.00 min
Lab File: VU033279.D
Acq: 17 Jul 2019 09:56

Tgt Ion:146 Resp: 27377

Ion	Ratio	Lower	Upper
146	100		
111	42.9	28.6	53.2
148	63.7	45.0	83.6