Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072419\

Quantitation Report (Not Reviewed)

Data File : VV012005.D
Acq On : 24 Jul 2019 12:34
Operator : SY/MD
Sample : K3890-12DL 4X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Quant Time: Jul 25 04:15:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	139410	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	130764	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	67580	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	32088	4.43	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.60%			
7) Chloroethane-d5	1.59	69	28639	5.02	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 100.40%			
11) 1,1-Dichloroethene-d2	2.13	63	55893	3.88	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 77.60%			
20) 2-Butanone-d5	3.97	46	111988	52.88	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 105.76%			
24) Chloroform-d	4.40	84	90506	4.76	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 95.20%			
26) 1,2-Dichloroethane-d4	5.08	65	52841	5.45	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 109.00%			
32) Benzene-d6	5.10	84	189181	5.19	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.80%			
36) 1,2-Dichloropropane-d6	6.12	67	54506	5.22	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.40%			
41) Toluene-d8	7.36	98	171929	5.08	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 101.60%			
43) trans-1,3-Dichloropropene-	7.67	79	21305	5.03	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 100.60%			
46) 2-Hexanone-d5	8.14	63	91307	53.68	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 107.36%			
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38977	5.25	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 105.00%			
64) 1,2-Dichlorobenzene-d4	11.67	152	69486	5.34	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 106.80%			
Target Compounds						Qvalue
6) Bromomethane	1.54	94	2408	0.478	ug/L	78
12) 1,1-Dichloroethene	2.14	96	3702	0.583	ug/L #	1
13) Acetone	2.21	43	19494	17.075	ug/L	88
14) Carbon disulfide	2.32	76	34232	1.893	ug/L	98
15) Methyl Acetate	2.47	43	22427	8.998	ug/L	97
16) Methylene chloride	2.54	84	9703	1.364	ug/L	89
17) Methyl tert-butyl Ether	2.81	73	60825	2.809	ug/L	98
21) 2-Butanone	4.05	43	19658	8.976	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	16053	1.512	ug/L	92
25) Chloroform	4.43	83	10677	0.507	ug/L	97
27) 1,2-Dichloroethane	5.18	62	15994	1.365	ug/L	98
30) Cyclohexane	4.72	56	41103	2.600	ug/L	100
33) Benzene	5.15	78	51164	1.330	ug/L	100
34) Trichloroethene	5.96	95	9690	0.907	ug/L	96
35) Methylcyclohexane	6.18	83	83756	5.038	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	34213	6.622	ug/L	98
42) Toluene	7.43	91	170595	4.132	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072419\

Quantitation Report (Not Reviewed)

Data File : VV012005.D
Acq On : 24 Jul 2019 12:34
Operator : SY/MD
Sample : K3890-12DL 4X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Quant Time: Jul 25 04:15:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) trans-1,3-Dichloropropene	7.67	75	1224	0.112	ug/L		93
47) Tetrachloroethene	8.02	164	10672	1.158	ug/L		97
48) 2-Hexanone	8.19	43	23351	6.442	ug/L		99
49) Dibromochloromethane	8.02	129	9494	1.214	ug/L	#	10
50) 1,2-Dibromoethane	8.40	107	3053	0.506	ug/L	#	93
52) Ethylbenzene	9.05	91	114098	2.421	ug/L		99
53) m,p-xylene	9.19	106	37182	2.073	ug/L		95
62) 1,3-Dichlorobenzene	11.22	146	34329	1.553	ug/L		97
63) 1,4-Dichlorobenzene	11.22	146	34329	1.509	ug/L		100

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072419\

Quantitation Report (Not Reviewed)

Data File : VV012005.D
Acq On : 24 Jul 2019 12:34
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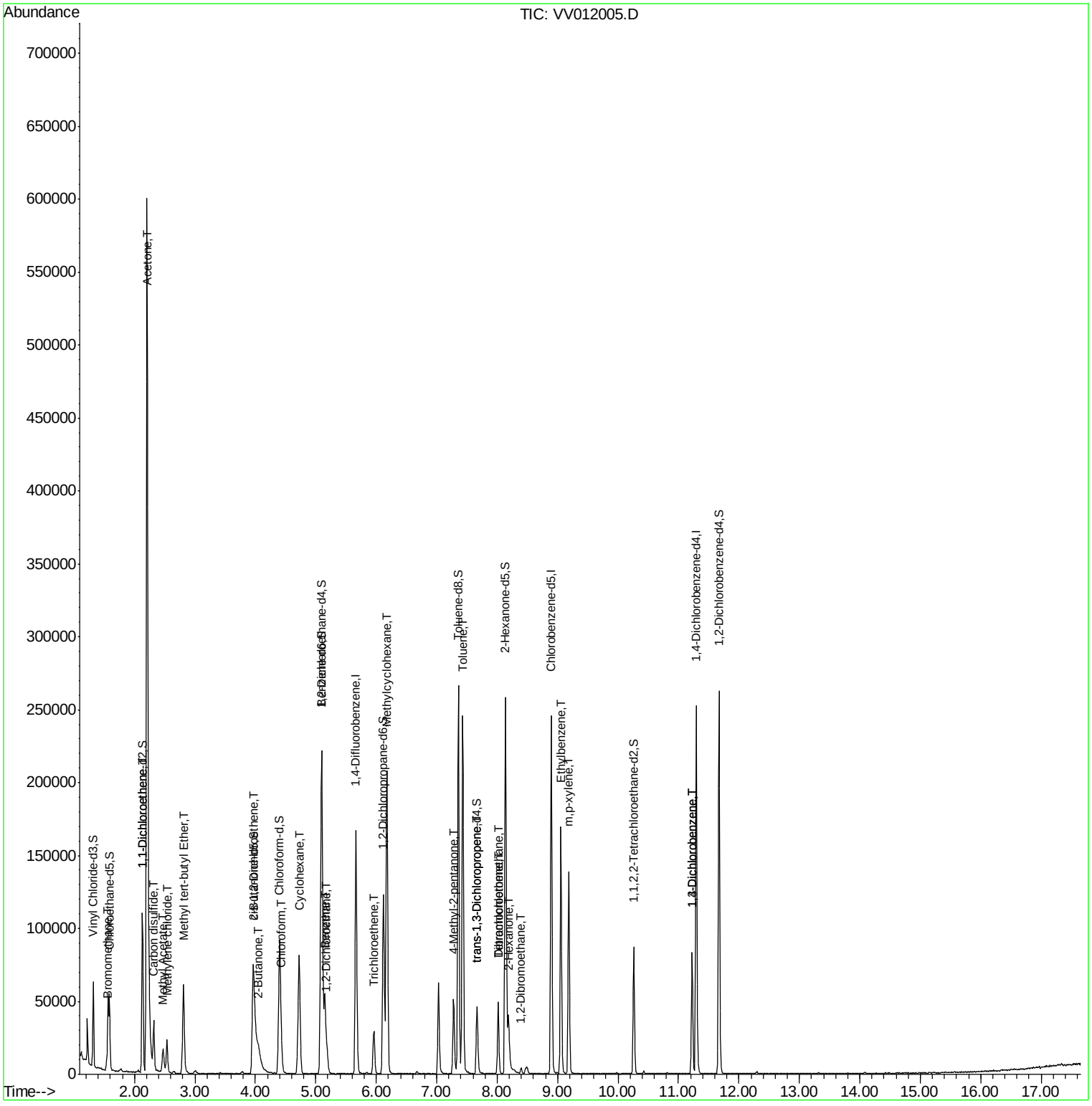
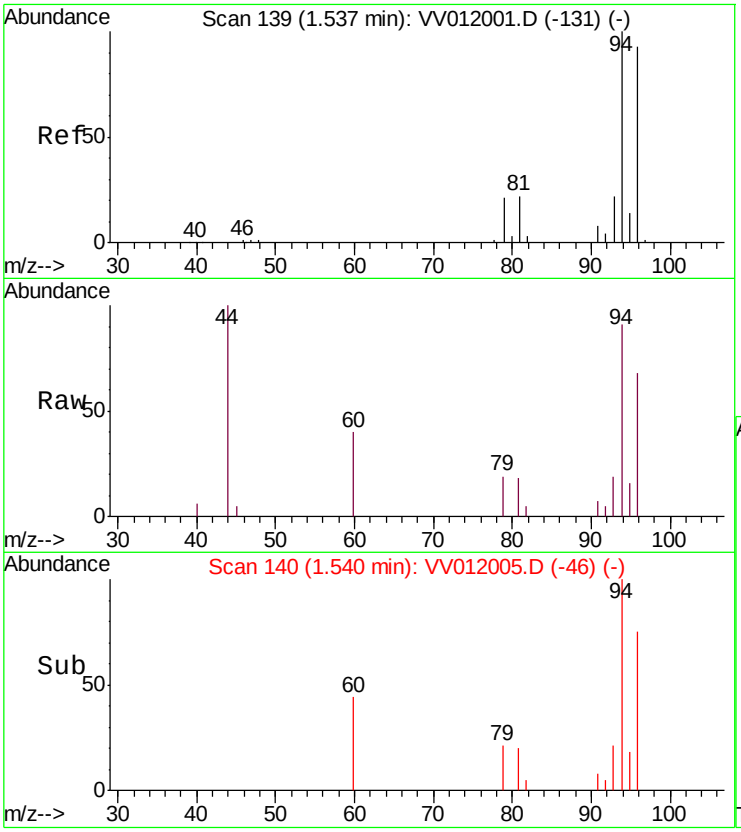
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration



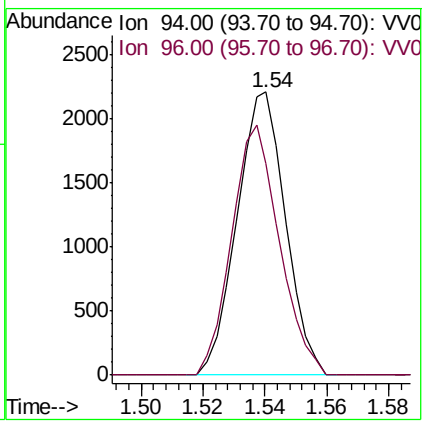


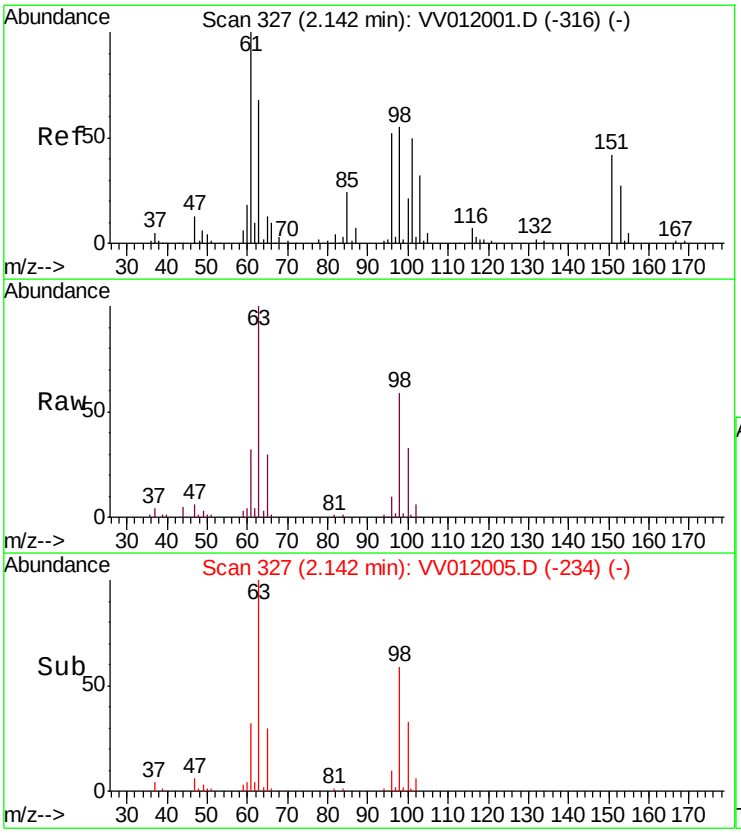
#6
Bromomethane
Concen: 0.478 ug/L
RT: 1.54 min Scan# 140
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4DL

Tgt Ion: 94 Resp: 2408

Ion	Ratio	Lower	Upper
94	100		
96	74.8	67.3	125.1

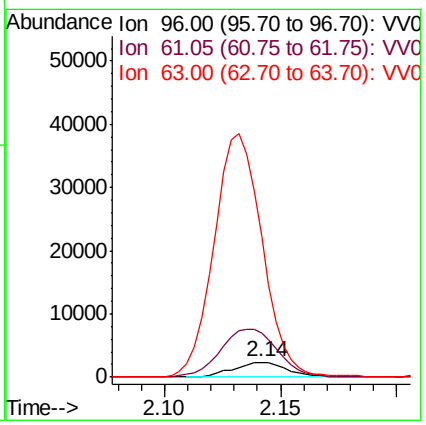


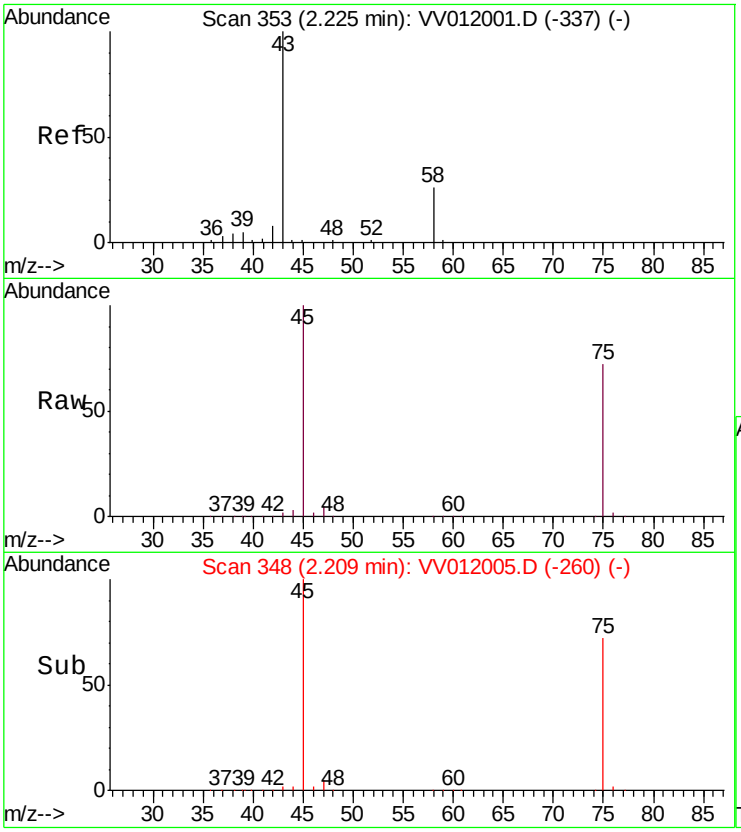


#12
1,1-Dichloroethene
Concen: 0.583 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 96 Resp: 3702

Ion	Ratio	Lower	Upper
96	100		
61	306.1	132.7	246.5#
63	961.3	104.0	193.1#



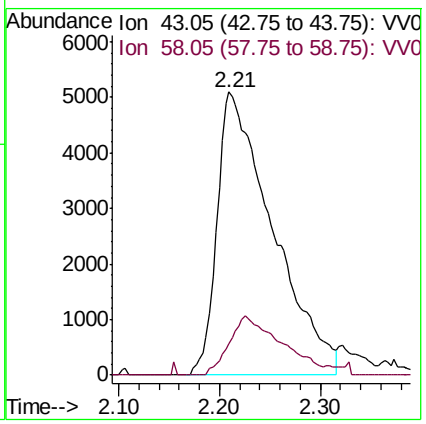


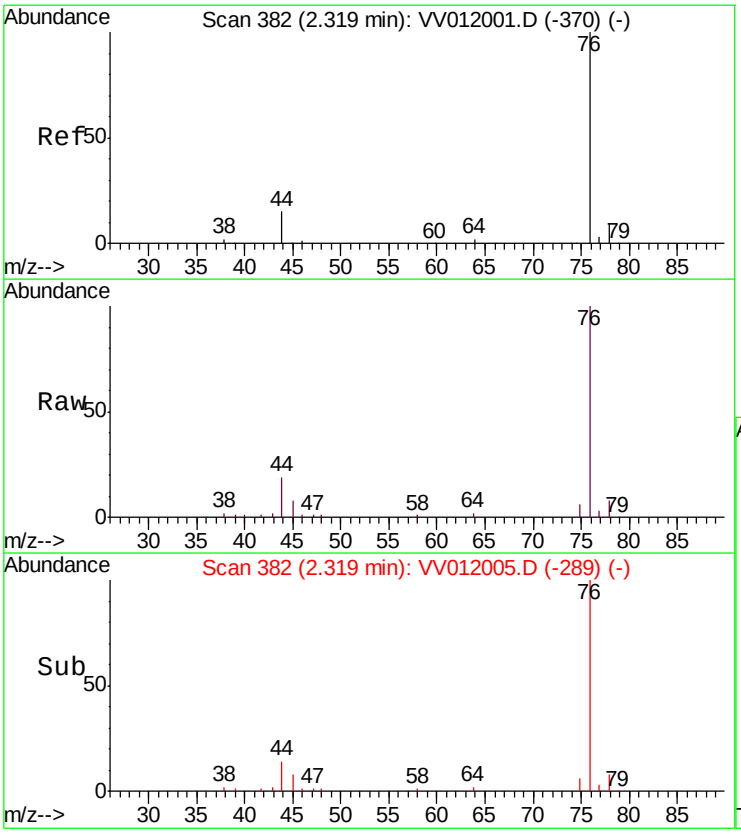
#13
Acetone
Concen: 17.075 ug/L
RT: 2.21 min Scan# 348
Delta R.T. -0.02 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Tgt Ion: 43 Resp: 19494

Ion	Ratio	Lower	Upper
43	100		
58	19.6	0.0	51.8

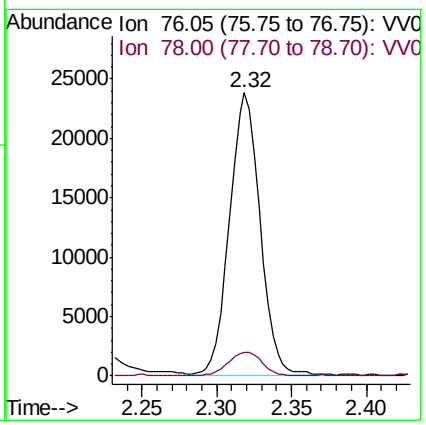


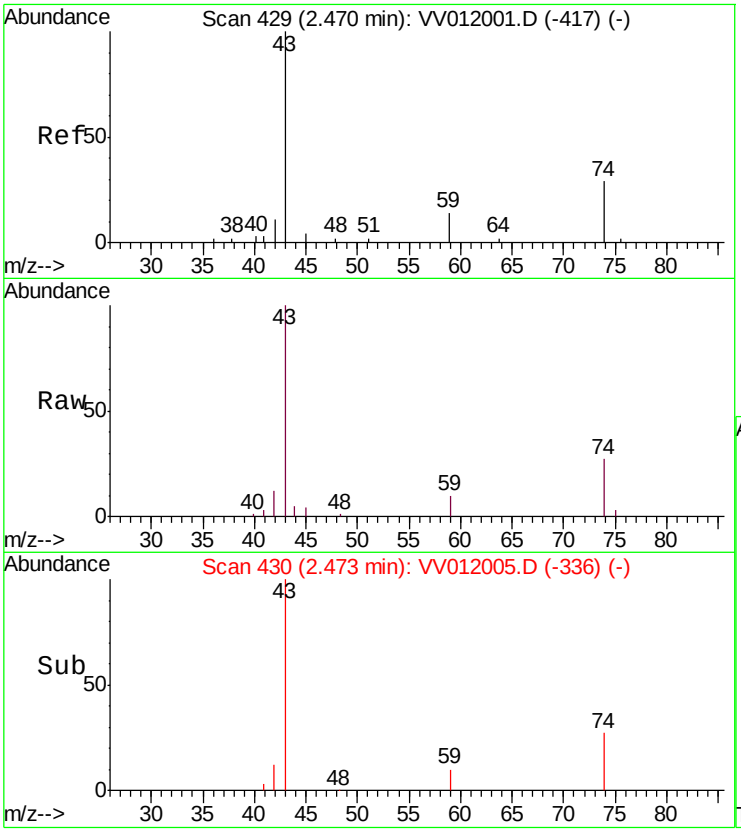


#14
Carbon disulfide
Concen: 1.893 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 76 Resp: 34232

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9



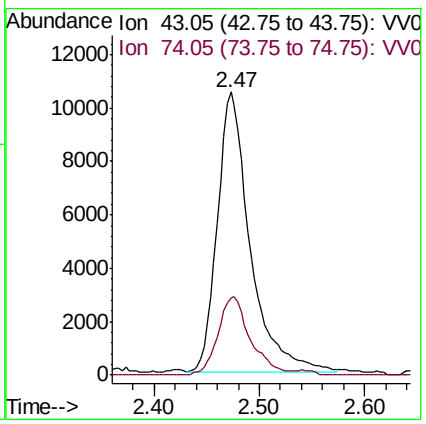


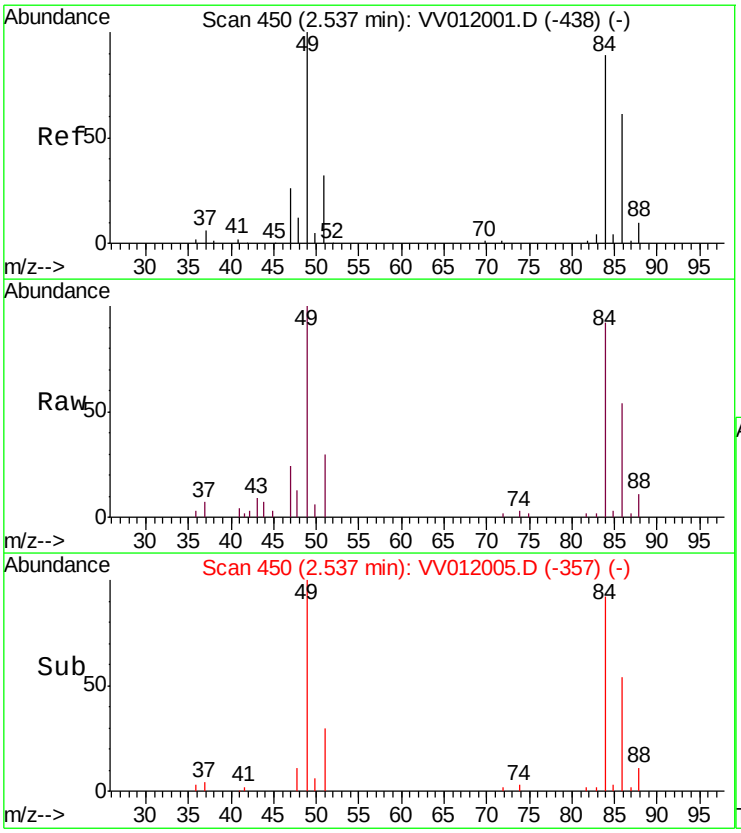
#15
Methyl Acetate
Concen: 8.998 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Tgt Ion: 43 Resp: 22427

Ion	Ratio	Lower	Upper
43	100		
74	27.8	23.4	35.2

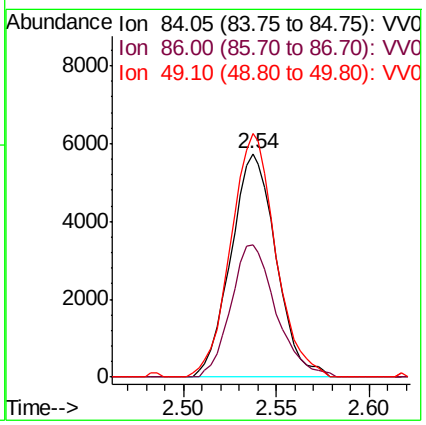


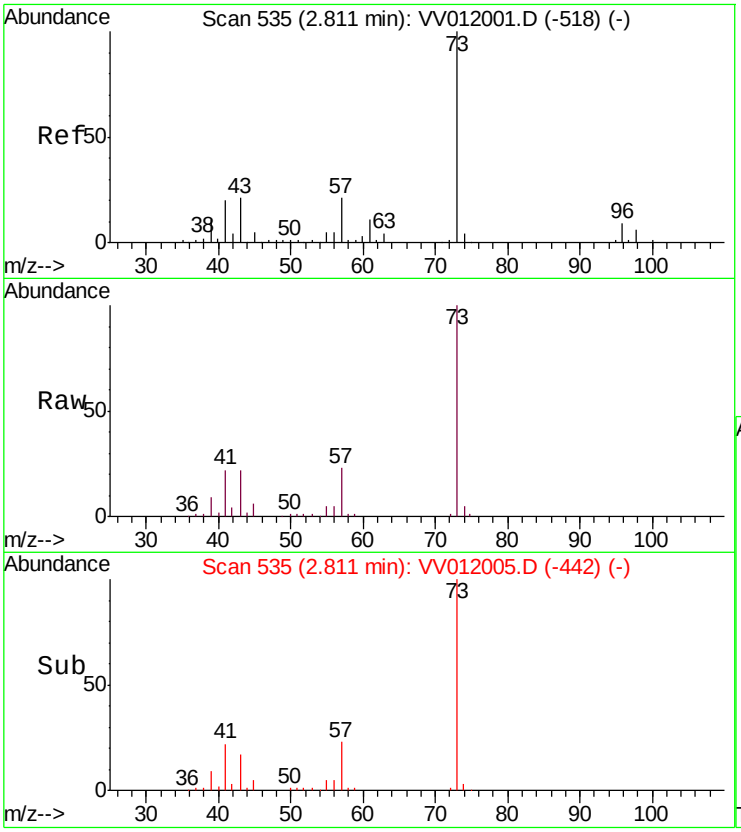


#16
Methylene chloride
Concen: 1.364 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 84 Resp: 9703

Ion	Ratio	Lower	Upper
84	100		
86	59.2	47.6	88.4
49	109.0	84.3	156.5



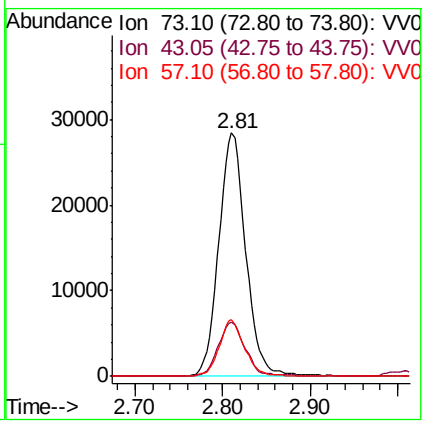


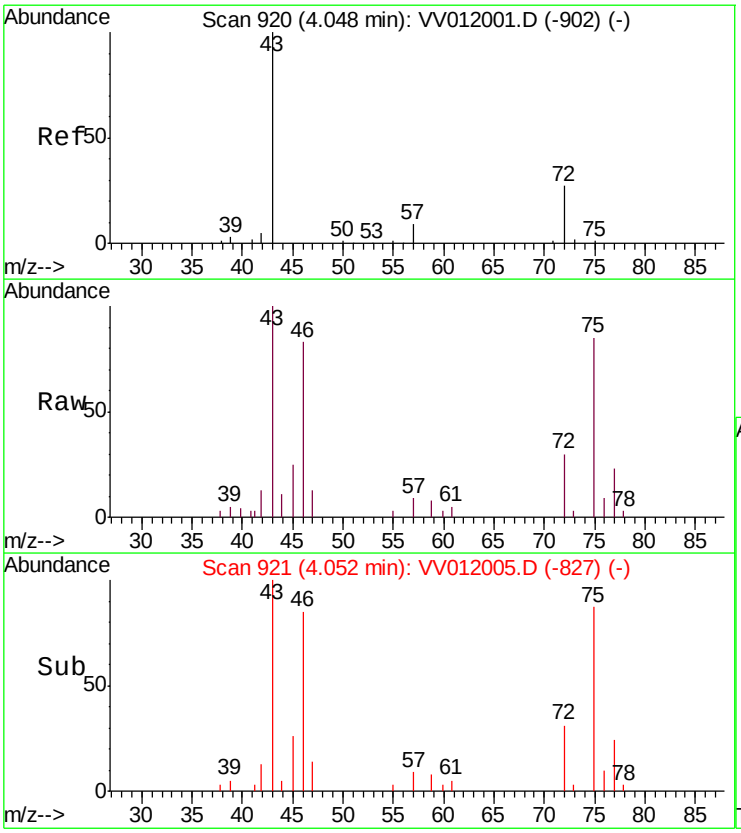
#17
Methyl tert-butyl Ether
Concen: 2.809 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Tgt Ion: 73 Resp: 60825

Ion	Ratio	Lower	Upper
73	100		
43	22.5	17.0	25.4
57	21.5	17.0	25.6

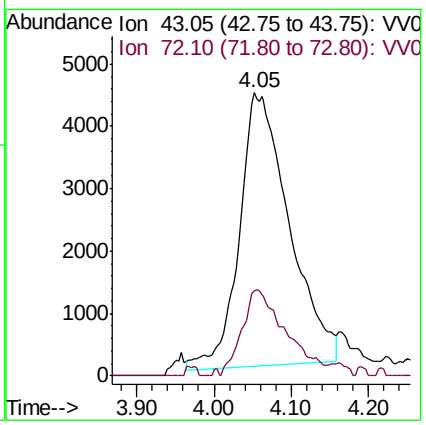


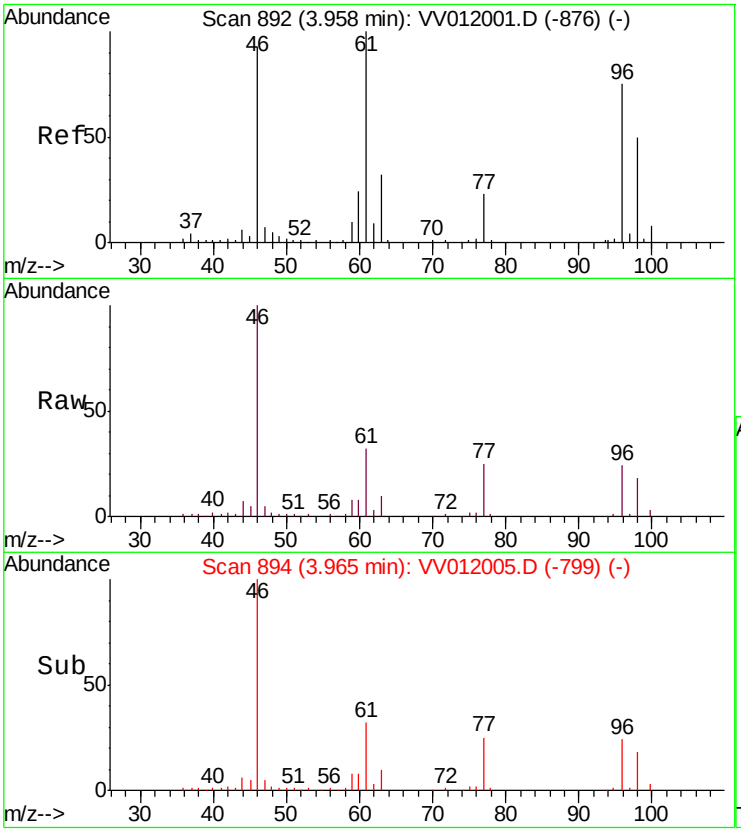


#21
2-Butanone
Concen: 8.976 ug/L
RT: 4.05 min Scan# 921
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 43 Resp: 19658

Ion	Ratio	Lower	Upper
43	100		
72	27.9	13.6	40.8



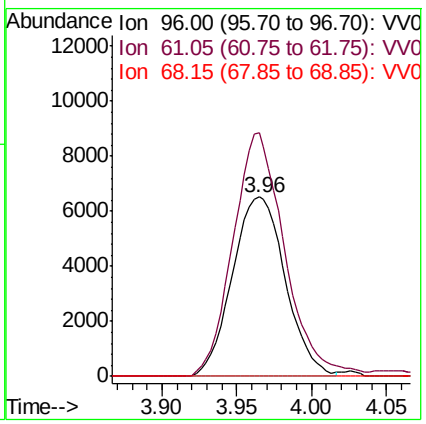


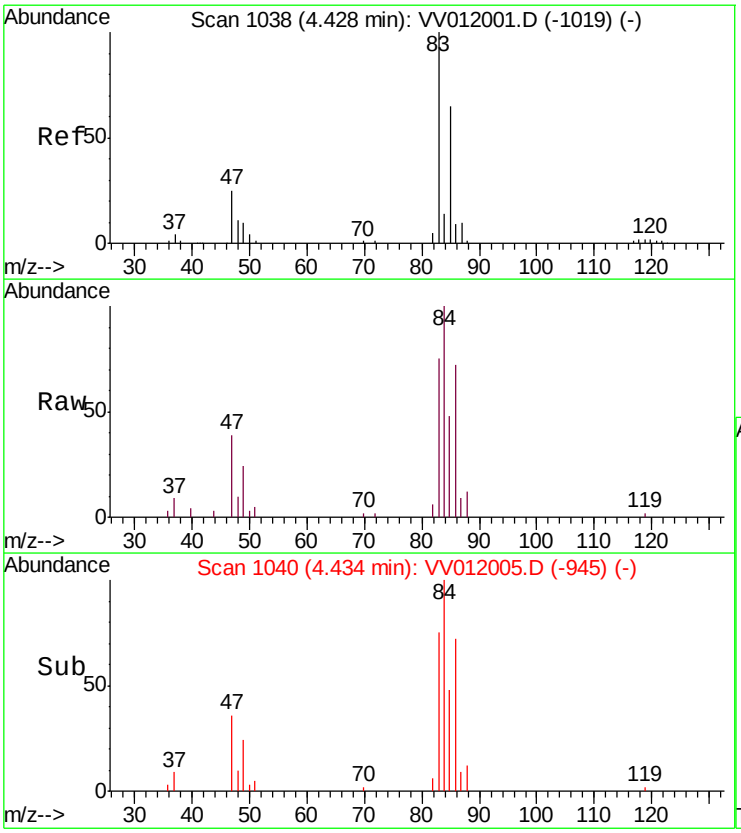
#22
cis-1,2-Dichloroethene
Concen: 1.512 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4DL

Tgt Ion: 96 Resp: 16053

Ion	Ratio	Lower	Upper
96	100		
61	135.9	89.0	165.2
68	0.0	0.0	0.0

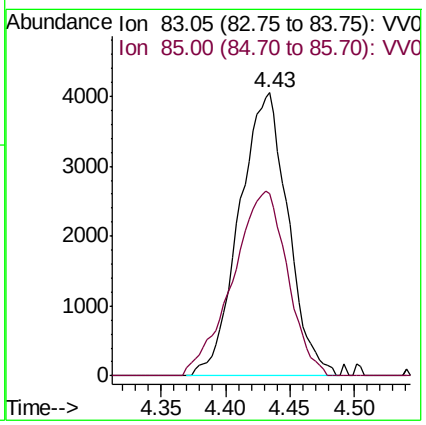


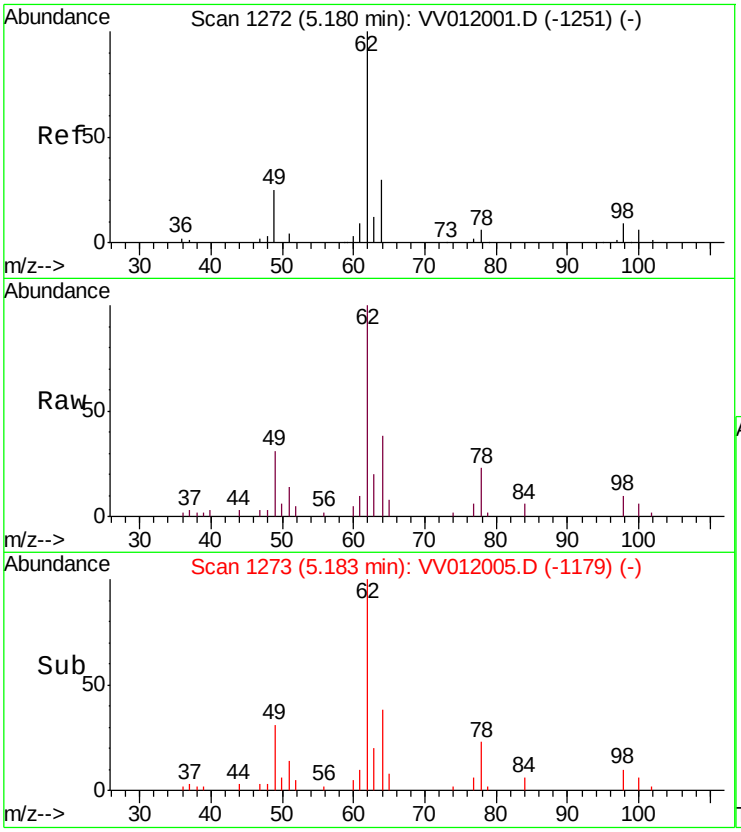


#25
Chloroform
Concen: 0.507 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 83 Resp: 10677

Ion	Ratio	Lower	Upper
83	100		
85	64.3	46.5	86.3



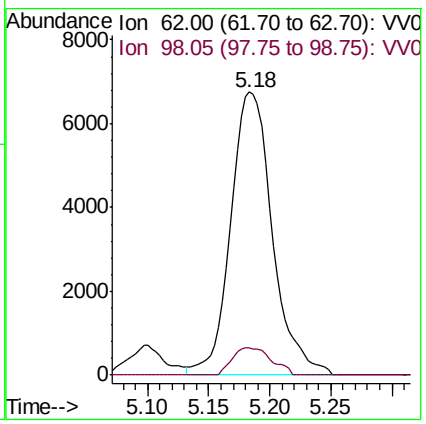


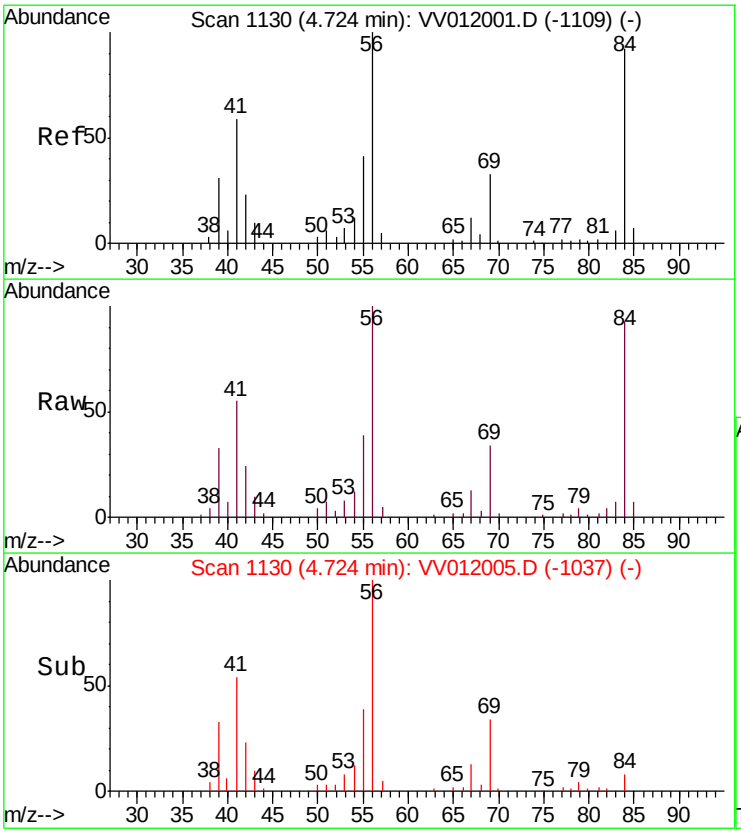
#27
1,2-Dichloroethane
Concen: 1.365 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Tgt Ion: 62 Resp: 15994

Ion	Ratio	Lower	Upper
62	100		
98	9.6	7.0	10.6

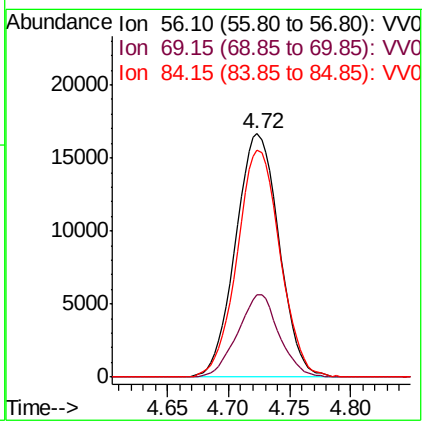


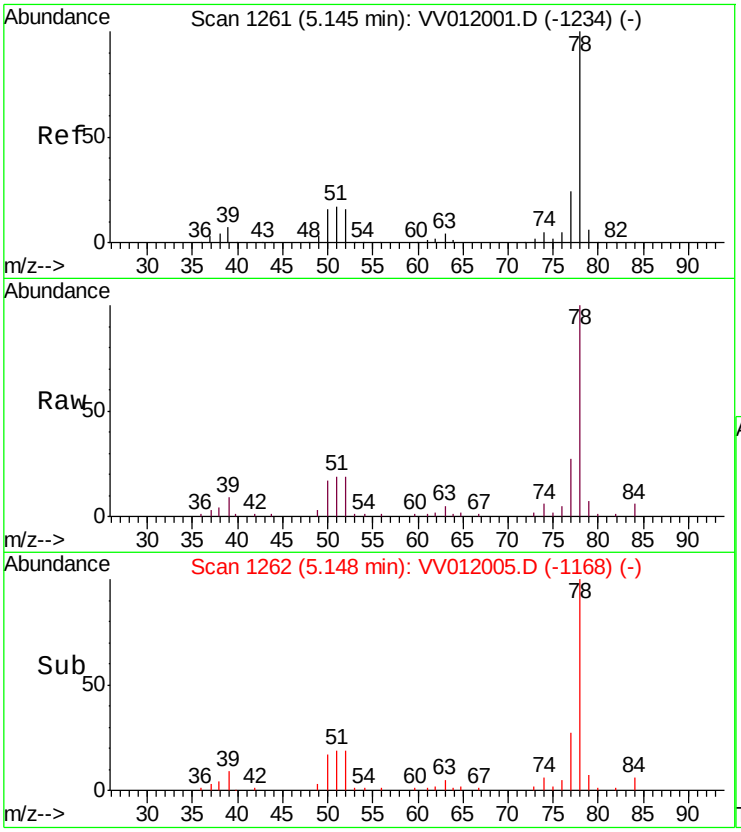


#30
Cyclohexane
Concen: 2.600 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 56 Resp: 41103

Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.4	38.2
84	92.1	73.4	110.0

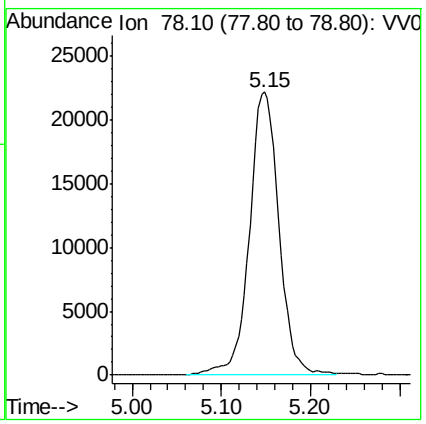


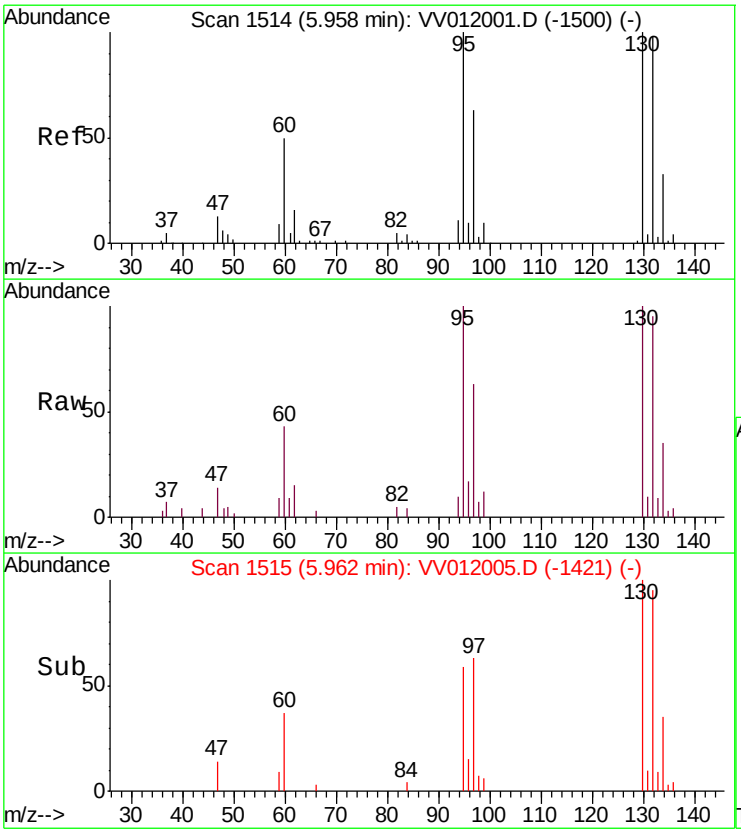


#33
Benzene
Concen: 1.330 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4DL

Tgt Ion: 78 Resp: 51164

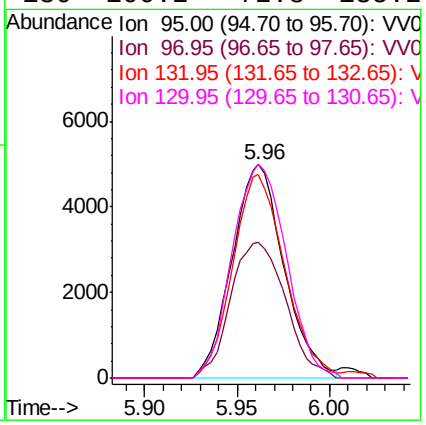


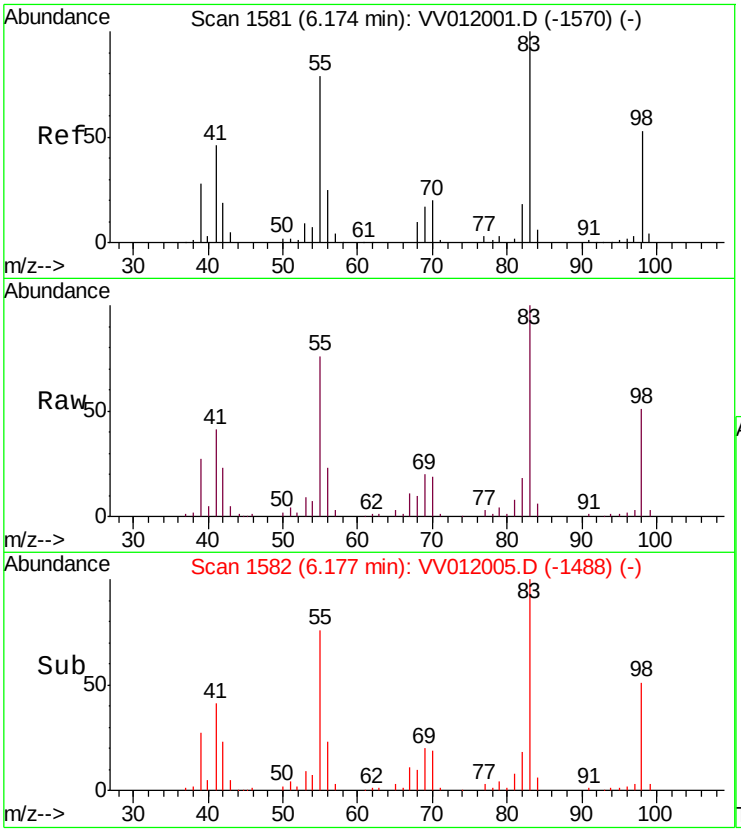


#34
Trichloroethene
Concen: 0.907 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 95 Resp: 9690

Ion	Ratio	Lower	Upper
95	100		
97	63.6	45.6	84.6
132	95.4	71.3	132.3
130	100.2	72.8	135.2



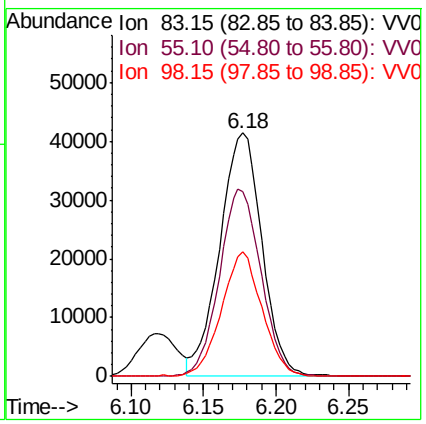


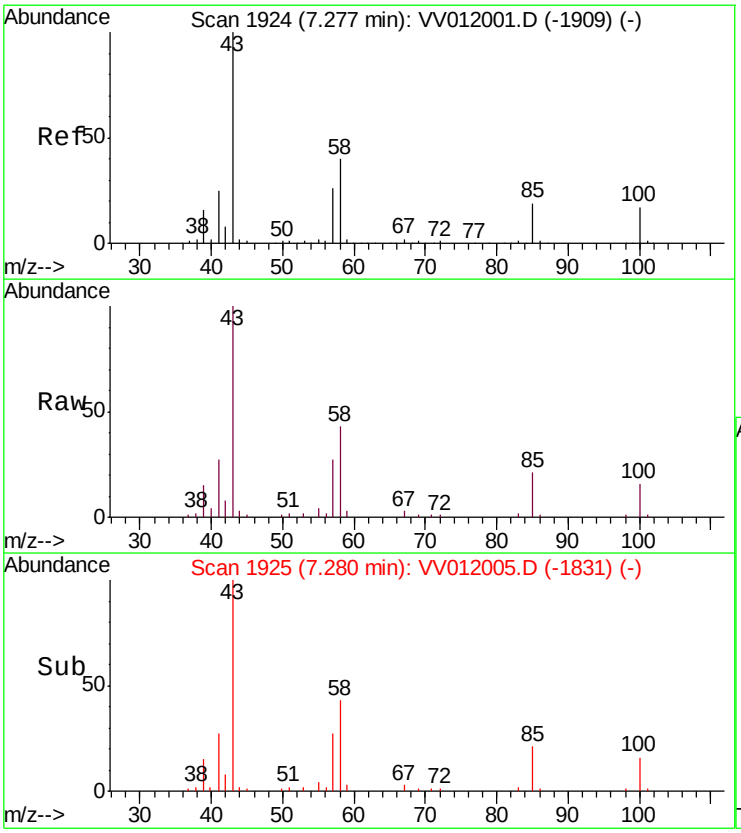
#35
Methylcyclohexane
Concen: 5.038 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4DL

Tgt Ion: 83 Resp: 83756

Ion	Ratio	Lower	Upper
83	100		
55	75.7	63.0	94.4
98	49.1	41.4	62.0

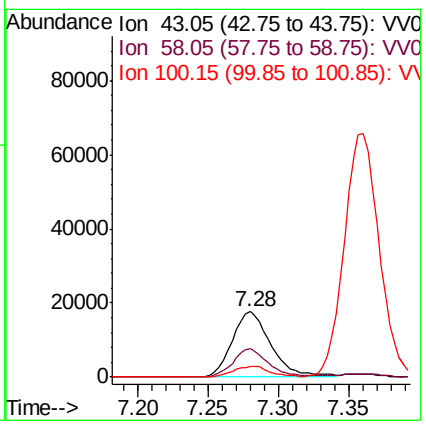


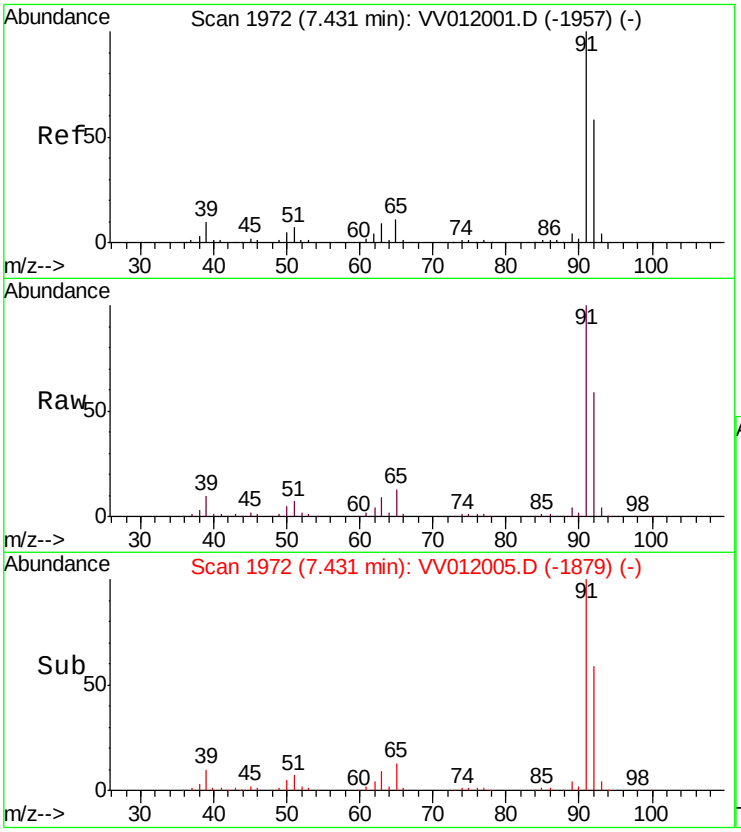


#40
4-Methyl-2-pentanone
Concen: 6.622 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 43 Resp: 34213

Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.2	46.8
100	16.2	13.5	20.3



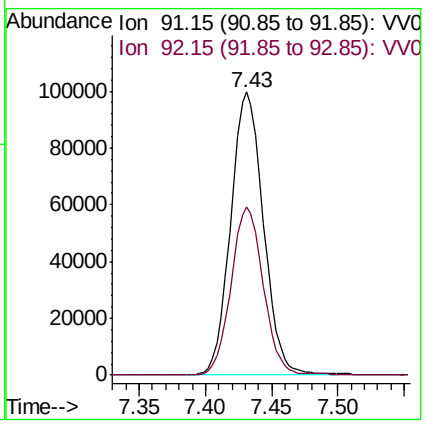


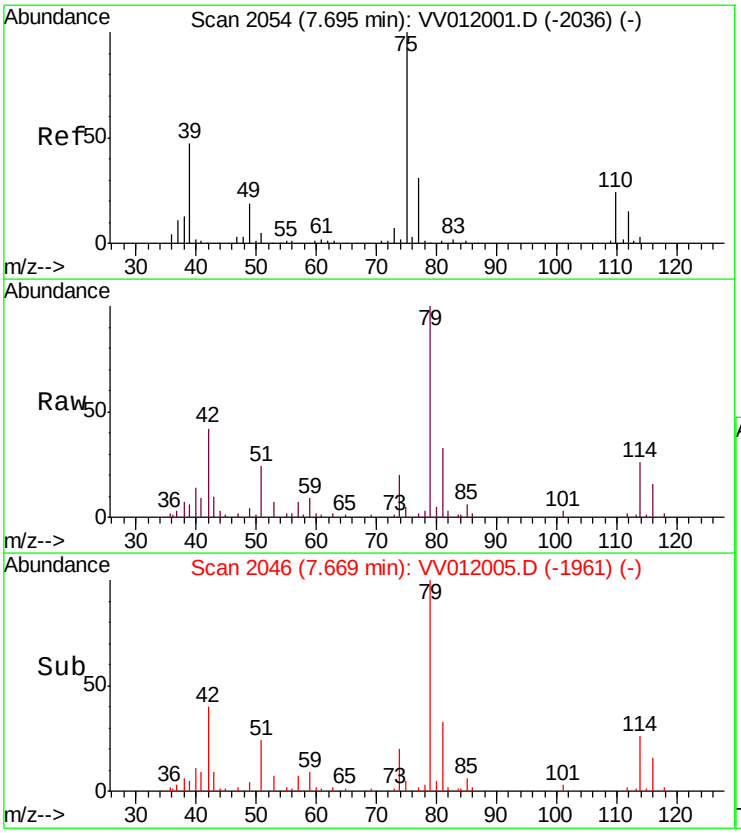
#42
Toluene
Concen: 4.132 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4DL

Tgt Ion: 91 Resp: 170595

Ion	Ratio	Lower	Upper
91	100		
92	59.2	41.9	77.9

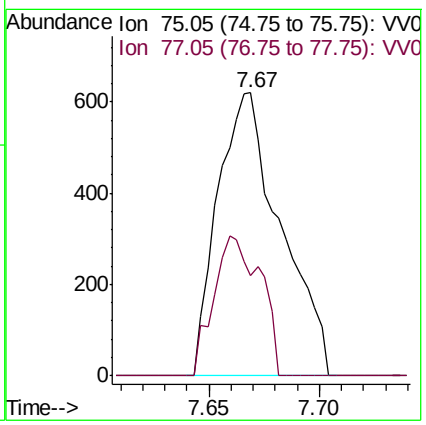


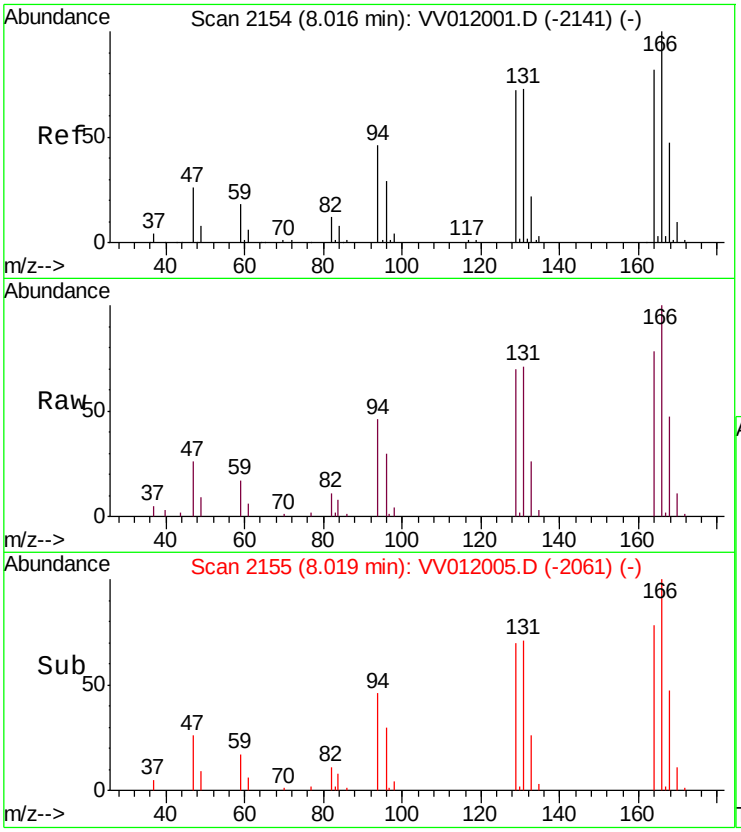


#44
trans-1,3-Dichloropropene
Concen: 0.112 ug/L
RT: 7.67 min Scan# 2046
Delta R.T. -0.03 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 75 Resp: 1224

Ion	Ratio	Lower	Upper
75	100		
77	35.3	22.0	40.8



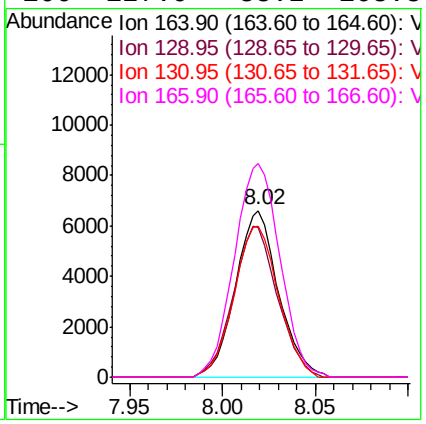


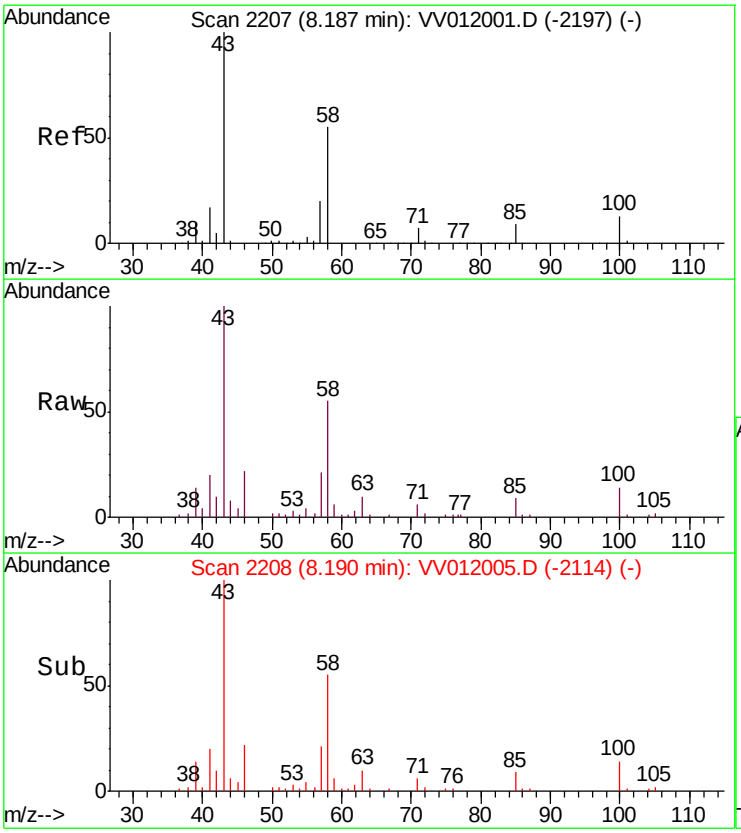
#47
Tetrachloroethene
Concen: 1.158 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Tgt Ion:164 Resp: 10672

Ion	Ratio	Lower	Upper
164	100		
129	89.9	62.5	116.1
131	90.5	58.6	108.8
166	127.9	88.2	163.8

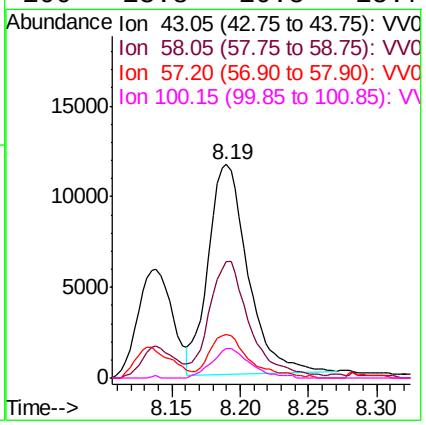


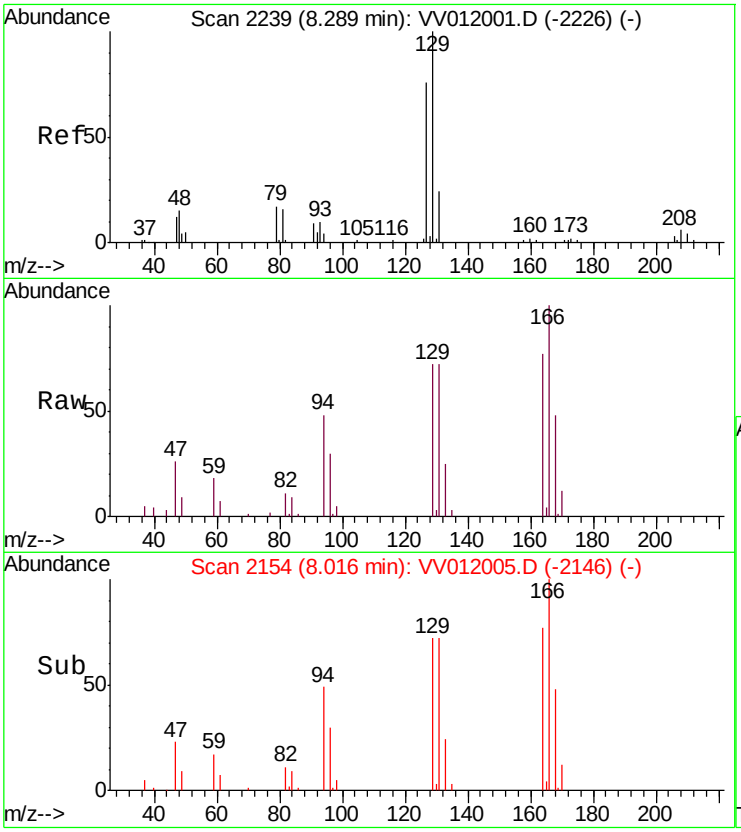


#48
2-Hexanone
Concen: 6.442 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion: 43 Resp: 23351

Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.7	65.5
57	21.1	16.0	24.0
100	13.8	10.5	15.7



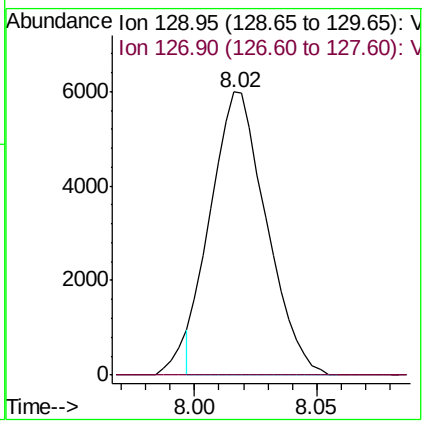


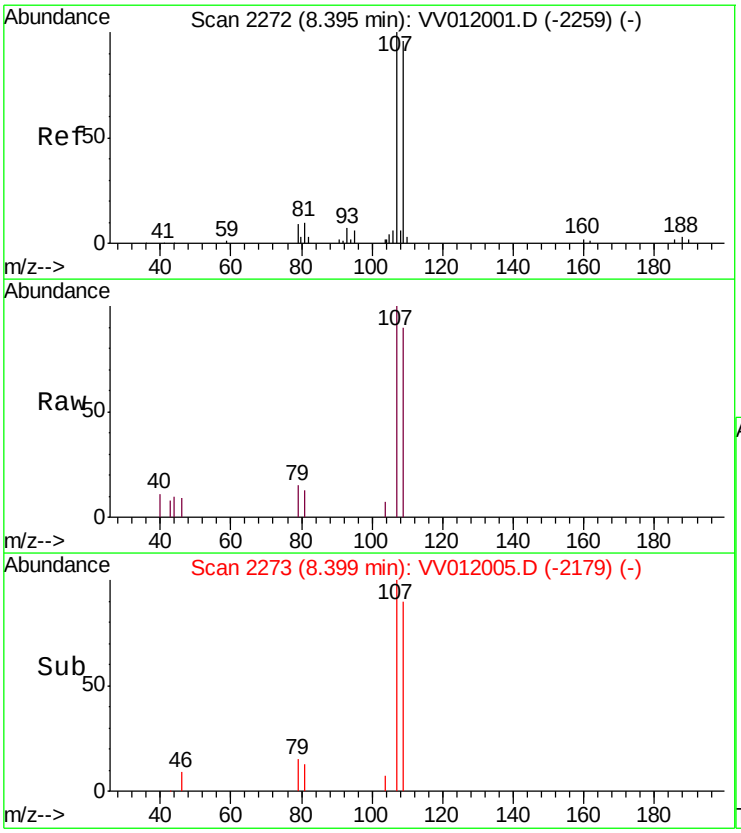
#49
Dibromochloromethane
Concen: 1.214 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4DL

Tgt Ion:129 Resp: 9494

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.3	102.7#

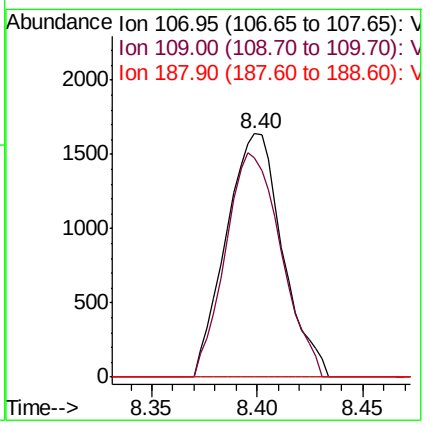


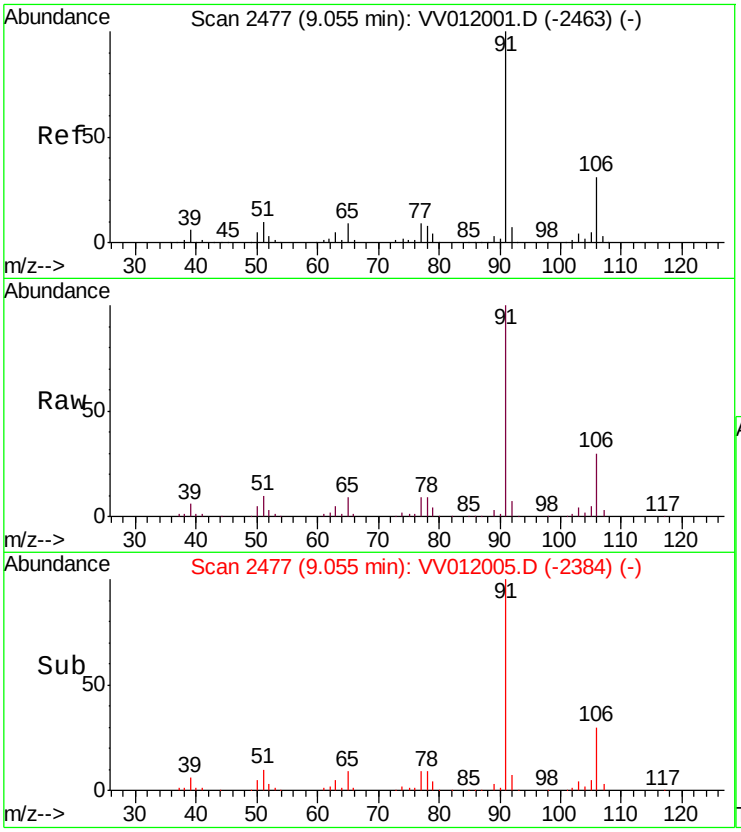


#50
1,2-Dibromoethane
Concen: 0.506 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion:107 Resp: 3053

Ion	Ratio	Lower	Upper
107	100		
109	90.3	68.1	126.5
188	0.0	3.5	5.3#



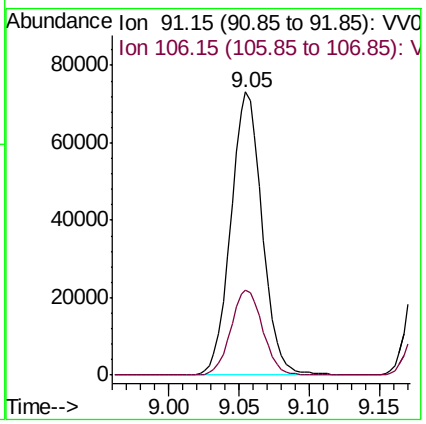


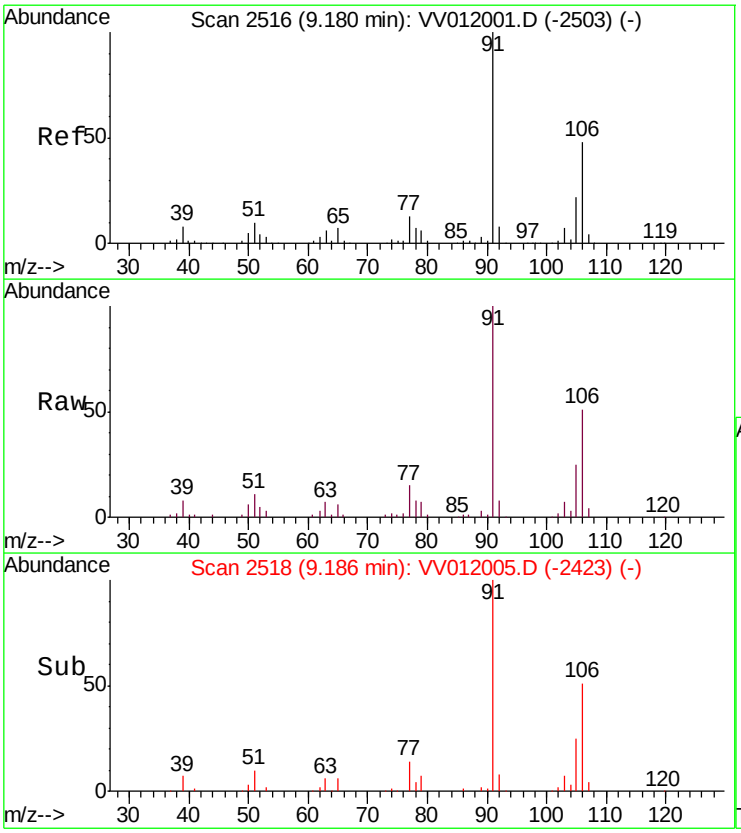
#52
Ethylbenzene
Concen: 2.421 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument : MSVOA_V
ClientSampleId : A52U4DL

Tgt Ion: 91 Resp: 114098

Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.6	40.0

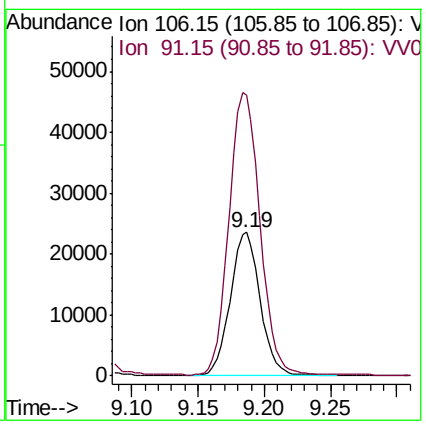


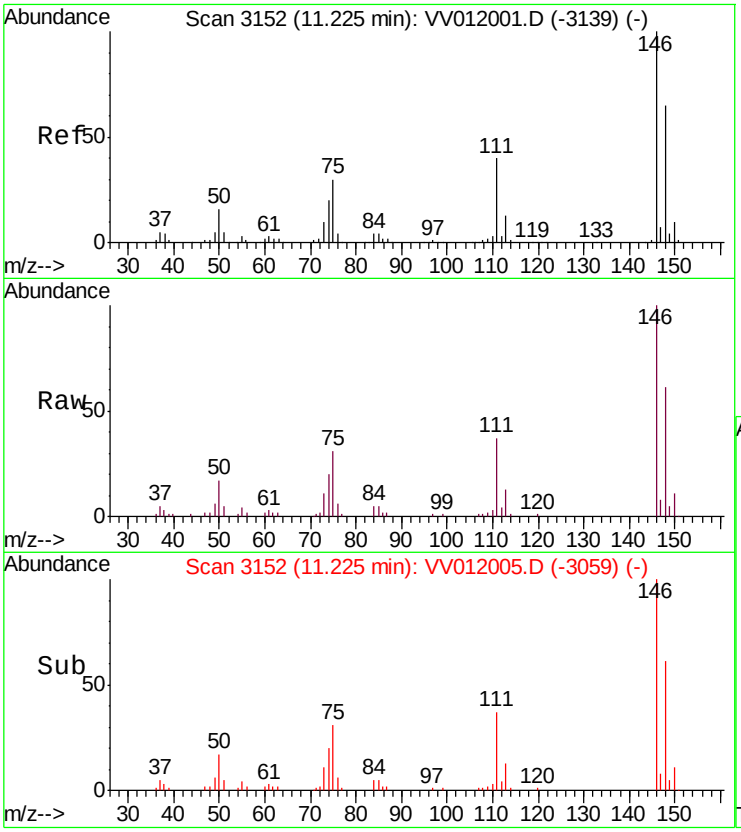


#53
m,p-xylene
Concen: 2.073 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.01 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion:106 Resp: 37182

Ion	Ratio	Lower	Upper
106	100		
91	196.1	142.7	265.1



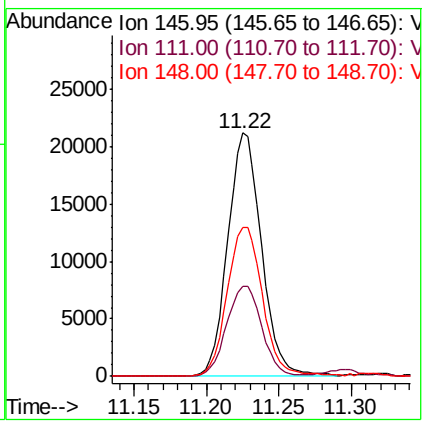


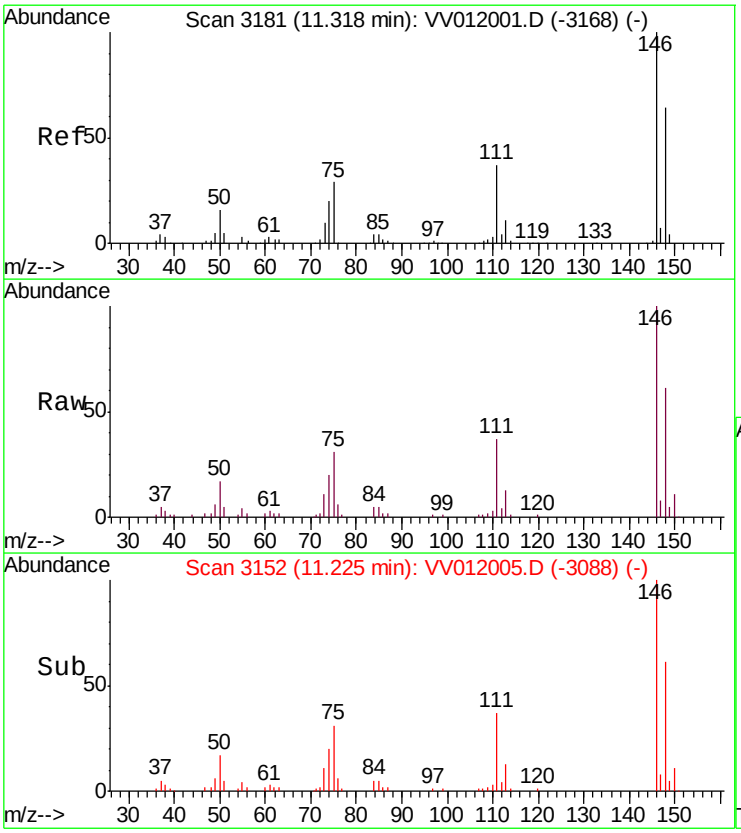
#62
1,3-Dichlorobenzene
Concen: 1.553 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.00 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Instrument :
MSVOA_V
ClientSampleId :
A52U4DL

Tgt Ion:146 Resp: 34329

Ion	Ratio	Lower	Upper
146	100		
111	36.9	27.1	50.3
148	61.2	44.5	82.7





#63
1,4-Dichlorobenzene
Concen: 1.509 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. -0.09 min
Lab File: VV012005.D
Acq: 24 Jul 2019 12:34

Tgt Ion:146 Resp: 34329

Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.0	48.2
148	61.2	43.0	80.0