Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032638.D
Acq On : 17 Oct 2018 13:12
Operator : SY/AP
Sample : J5500-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS04-MIVI

Manual Integrations APPROVED
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10/19/2018 4:36:34 PM

Quant Time: Oct 19 02:13:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 1
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.85	49	567598m	10.00	ppbv		0.07
33) 1,4-Difluorobenzene	7.39	114	2349463	10.00	ppbv		0.08
55) Chlorobenzene-d5	12.29	117	3223896	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2517377	10.37	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.70%				
Target Compounds							Qvalue
4) Chloromethane	3.18	50	58164m	2.24	ppbv		
5) Vinyl Chloride	3.30	62	44877	1.72	ppbv		94
7) Chloroethane	3.62	64	78142	7.64	ppbv		99
9) Propene	3.05	41	6031861	346.45	ppbv		94
10) Heptane	8.33	43	5751656m	88.22	ppbv		
11) Trichlorofluoromethane	4.02	101	73669	1.01	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.58	101	19857	0.37	ppbv		98
13) Ethanol	3.71	45	6602216	1225.49	ppbv		98
15) Acetone	4.05	43	23776014	470.70	ppbv	#	71
18) 1,1-Dichloroethene	4.37	96	6783355	281.76	ppbv		82
19) Isopropyl Alcohol	4.15	45	4343122m	121.75	ppbv		
20) Methylene Chloride	4.43	84	2245734	99.25	ppbv		94
26) Hexane	5.81	57	6079982	112.94	ppbv	#	42
27) Carbon Disulfide	4.64	76	1791835	27.54	ppbv		100
29) Chloroform	5.87	83	89850843m	952.27	ppbv		
30) Cyclohexane	7.35	84	1507513	35.51	ppbv	#	42
31) cis-1,2-Dichloroethene	5.70	61	991773m	19.18	ppbv		
34) 2-Butanone	5.42	43	2046649	15.70	ppbv	#	6
35) Carbon Tetrachloride	7.20	117	68386821m	375.58	ppbv		
36) Benzene	7.13	78	23299915	122.35	ppbv	#	86
38) Trichloroethene	8.05	130	5905626	82.48	ppbv		99
50) 4-Methyl-2-Pentanone	8.94	43	2578088m	13.43	ppbv		
51) 2-Hexanone	10.32	43	2865523m	18.99	ppbv		
52) Tetrachloroethene	11.43	164	738787	11.78	ppbv		96
53) Toluene	10.02	91	20216895	93.12	ppbv		88
58) Ethyl Benzene	12.91	91	4693602	12.96	ppbv		99
59) m/p-Xylene	13.16	91	7763319	24.02	ppbv		97
60) o-Xylene	13.89	91	3139303	9.75	ppbv		98
61) Styrene	13.72	104	1164739	5.97	ppbv		98
62) Isopropylbenzene	14.86	105	353940	0.77	ppbv		98
64) n-propylbenzene	15.76	120	165310	1.42	ppbv		86
67) sec-Butylbenzene	17.49	105	226367	0.39	ppbv		98
69) p-Isopropyltoluene	17.85	119	150983	0.34	ppbv		96
70) n-Butylbenzene	18.75	91	216110	0.44	ppbv	#	56
72) 4-Ethyltoluene	16.04	105	747651	2.15	ppbv		98
73) 1,3,5-Trimethylbenzene	16.19	105	597963	1.73	ppbv		100
74) 1,2,4-Trimethylbenzene	16.96	105	1932871	5.07	ppbv	#	78
79) Naphthalene	22.44	128	302800	1.17	ppbv		99
80) Naphthalene,2-methyl-	25.14	142	31141	1.08	ppbv	#	94

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Misc : 400ml/MSVOA_L
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Quant Time: Oct 19 02:13:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 1
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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MSVOA_L
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SS04-MIVI

Manual Integrations APPROVED
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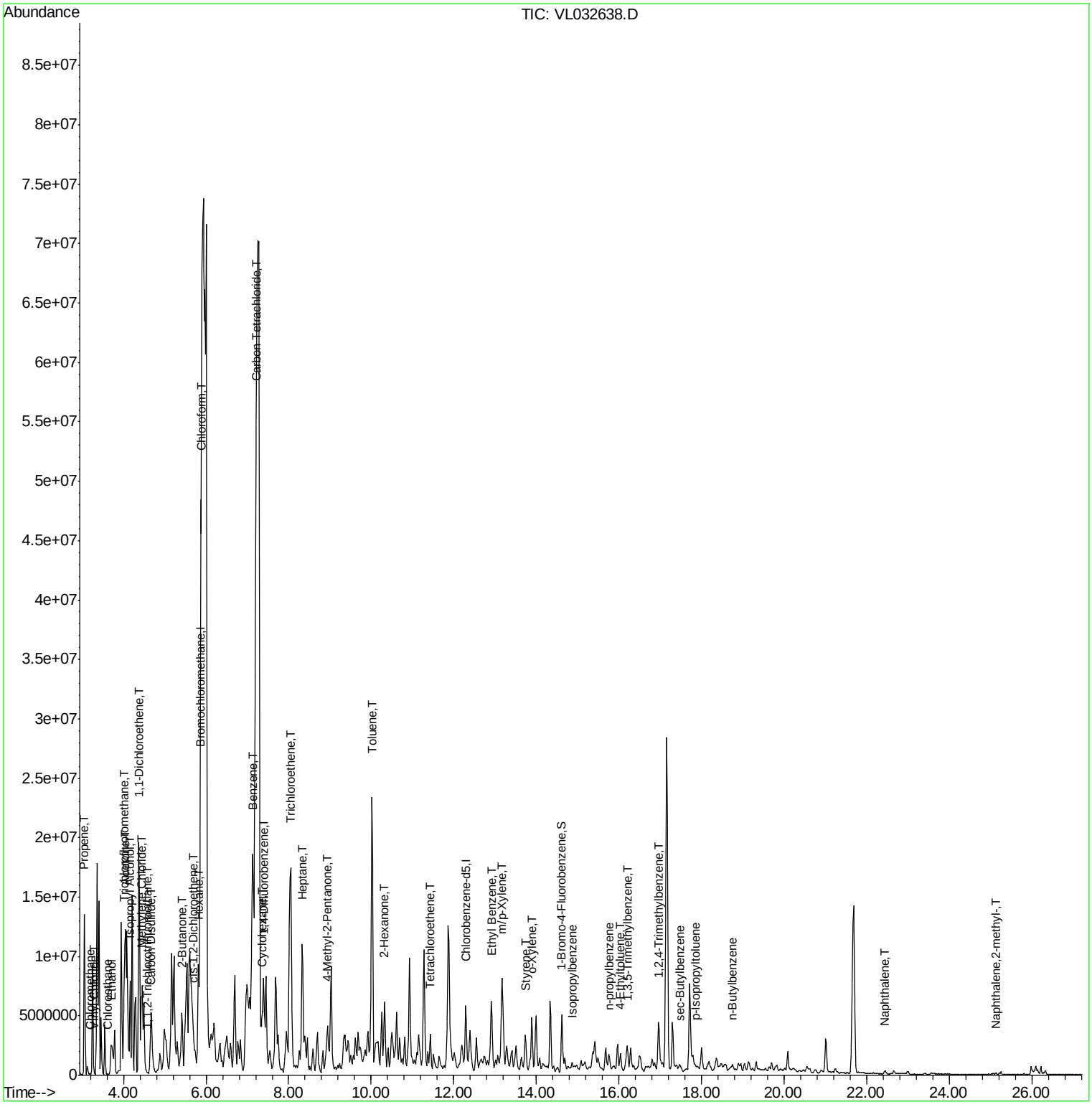
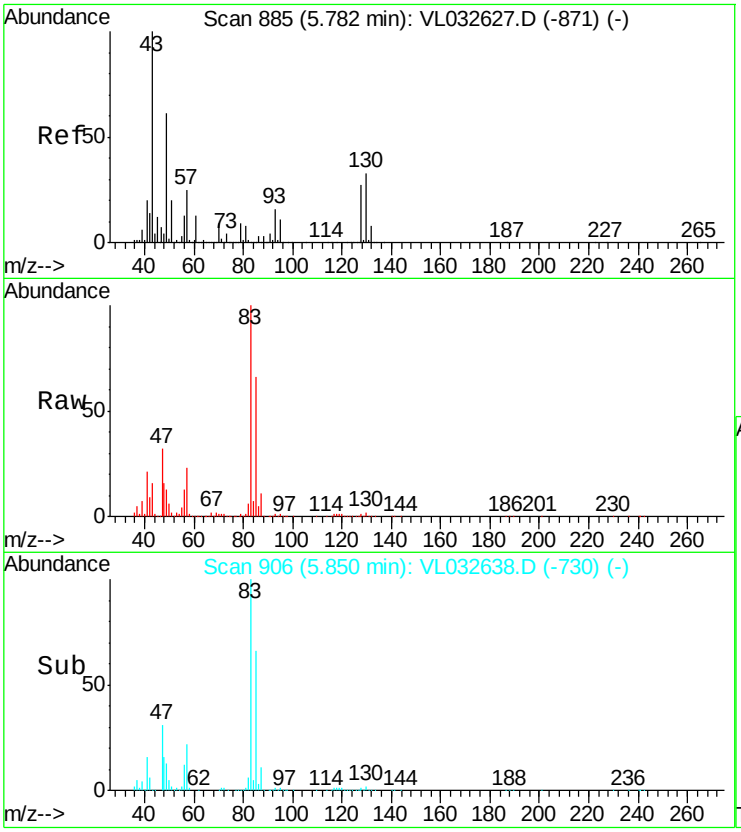
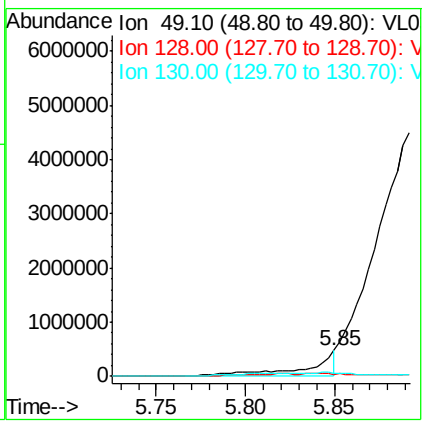




#1
Bromochloromethane
Concen: 10.00 ppbv m
RT: 5.85 min Scan# 906
Delta R.T. 0.07 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 49 Resp: 567598

Ion	Ratio	Lower	Upper
49	100		
128	16.2	22.3	66.8#
130	26.2	28.4	85.3#



Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

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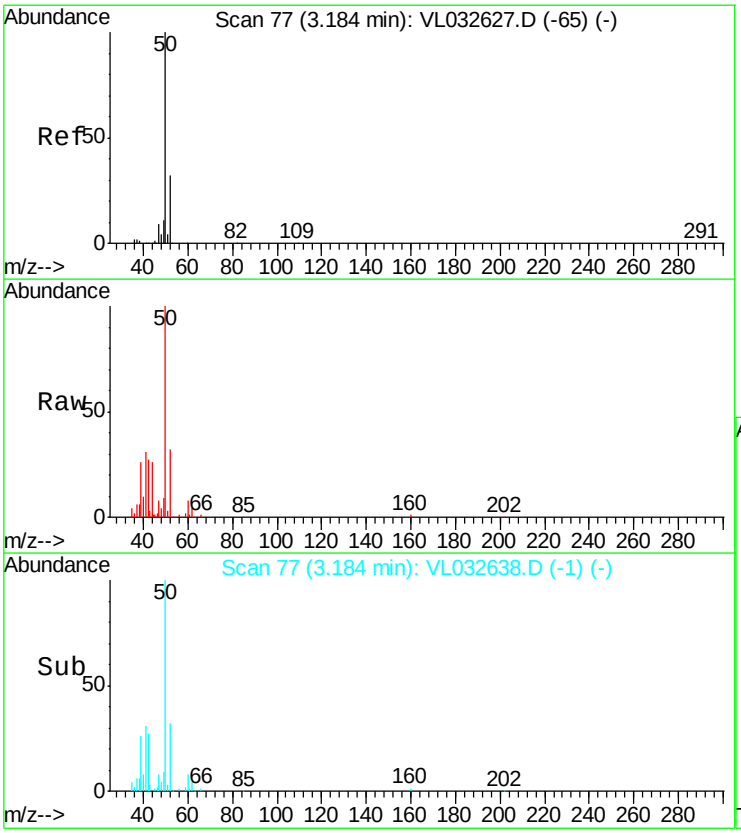
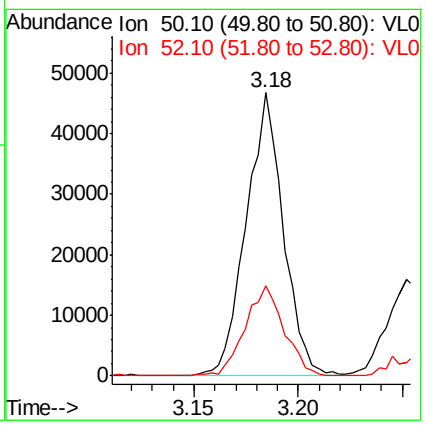
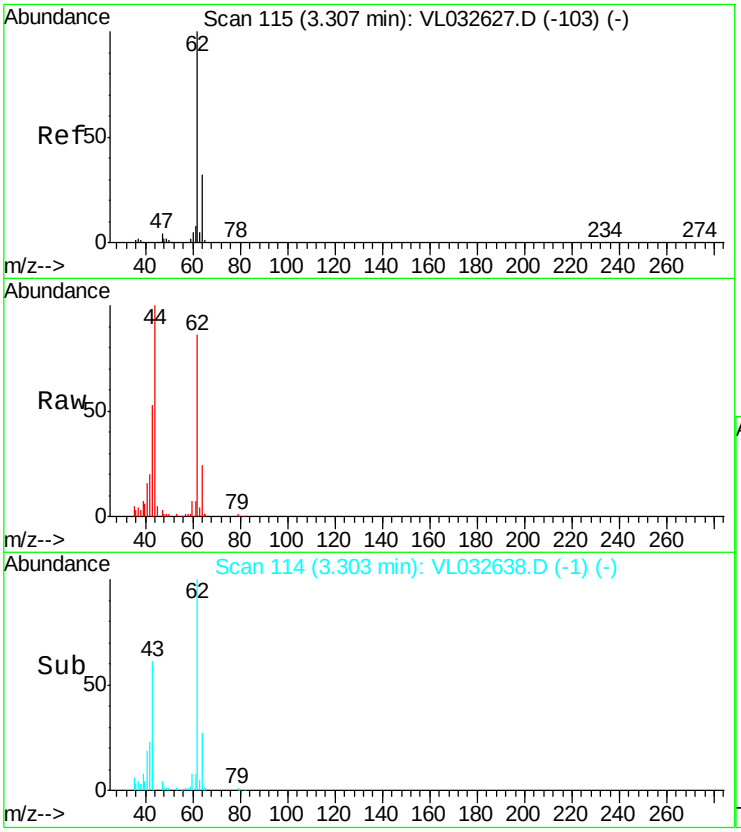


#4
Chloromethane
Concen: 2.24 ppbv m
RT: 3.18 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 50 Resp: 58164

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.9	38.9

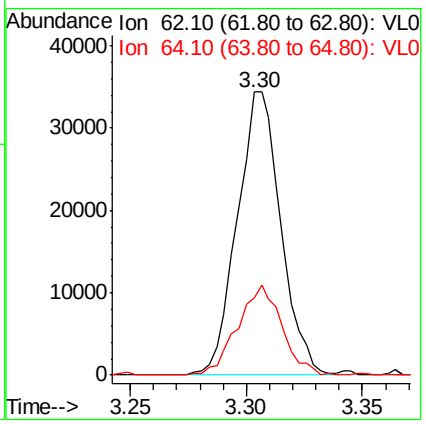




#5
Vinyl Chloride
Concen: 1.72 ppbv
RT: 3.30 min Scan# 114
Delta R.T. -0.00 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 62 Resp: 44877

Ion	Ratio	Lower	Upper
62	100		
64	28.7	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

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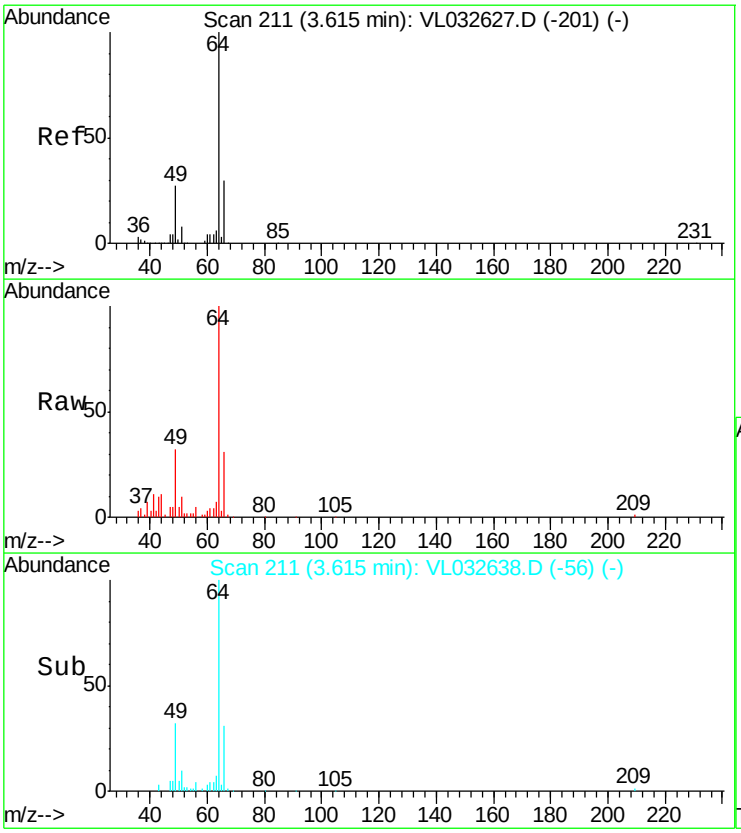
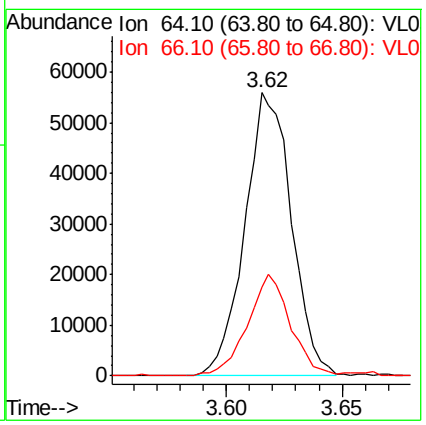
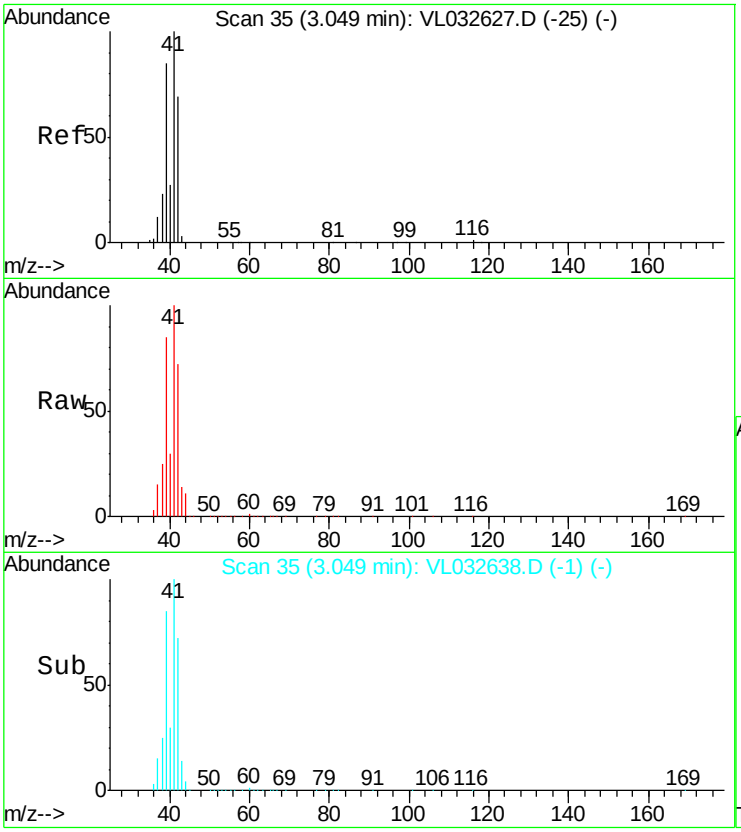


#7
Chloroethane
Concen: 7.64 ppbv
RT: 3.62 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 64 Resp: 78142

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.4	36.6

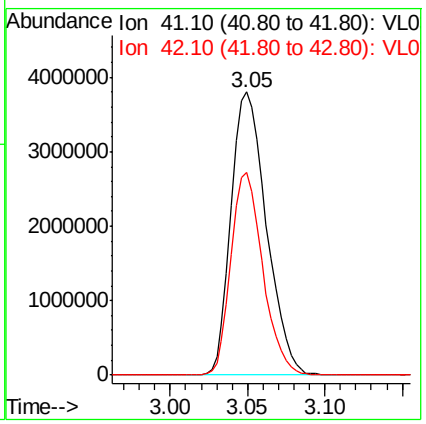




#9
Propene
Concen: 346.45 ppbv
RT: 3.05 min Scan# 35
Delta R.T. -0.00 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 41 Resp: 6031861

Ion	Ratio	Lower	Upper
41	100		
42	64.4	55.4	83.0



Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Manual Integrations APPROVED
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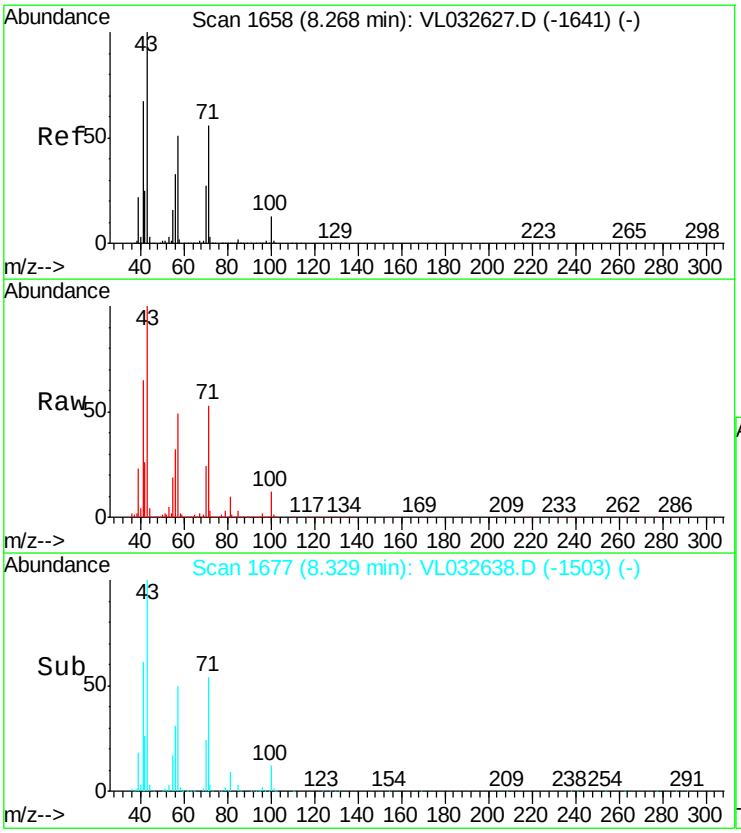
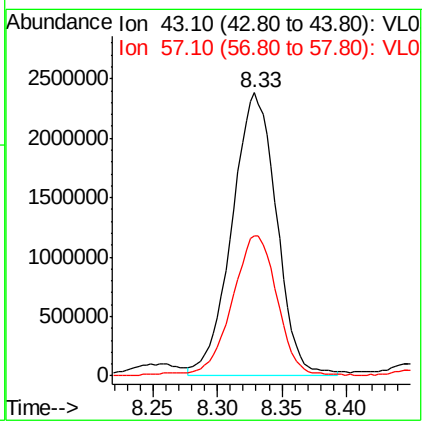
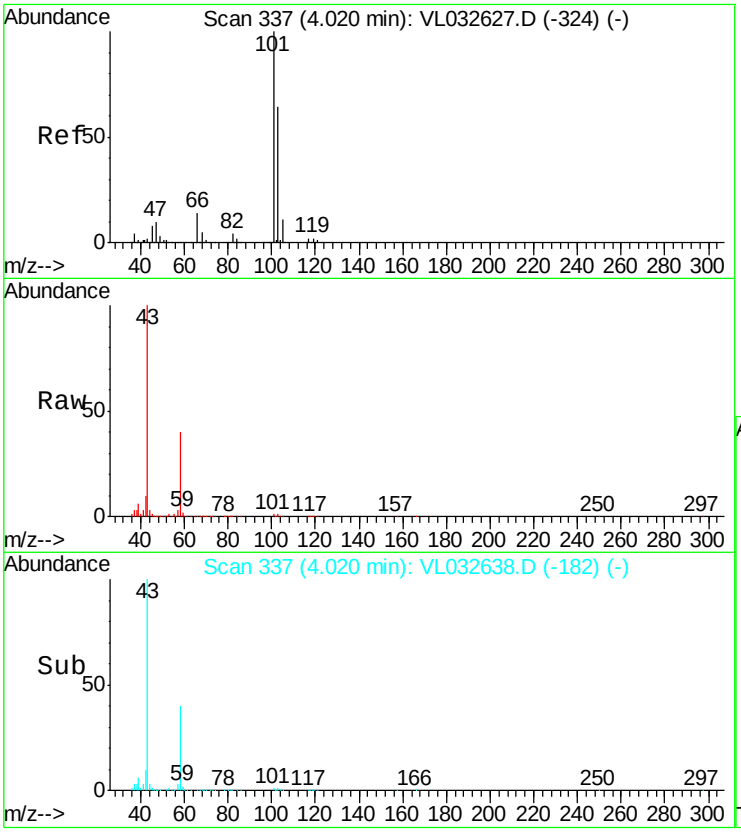


#10
Heptane
Concen: 88.22 ppbv m
RT: 8.33 min Scan# 1677
Delta R.T. 0.06 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 43 Resp: 5751656

Ion	Ratio	Lower	Upper
43	100		
57	1.9	41.5	62.3#





#11
Trichlorofluoromethane
Concen: 1.01 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion:101 Resp: 73669

Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Manual Integrations APPROVED
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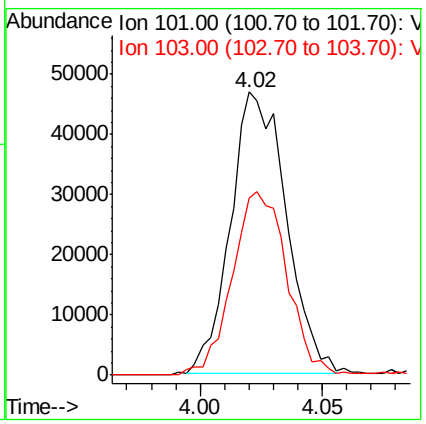
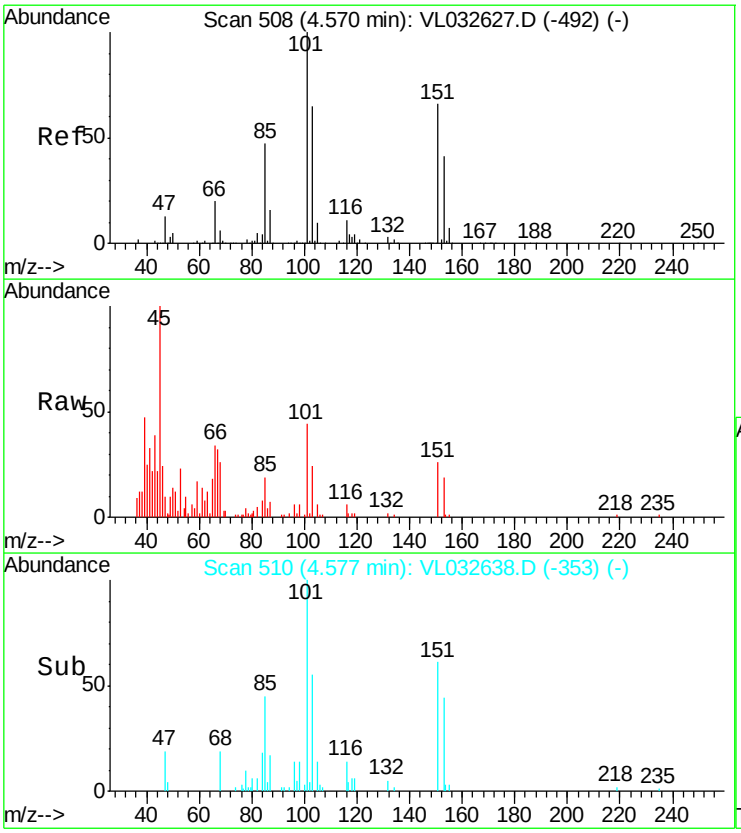
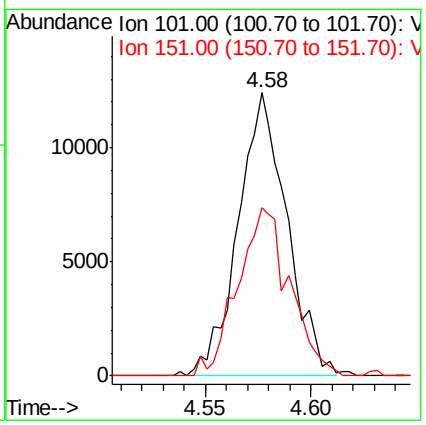


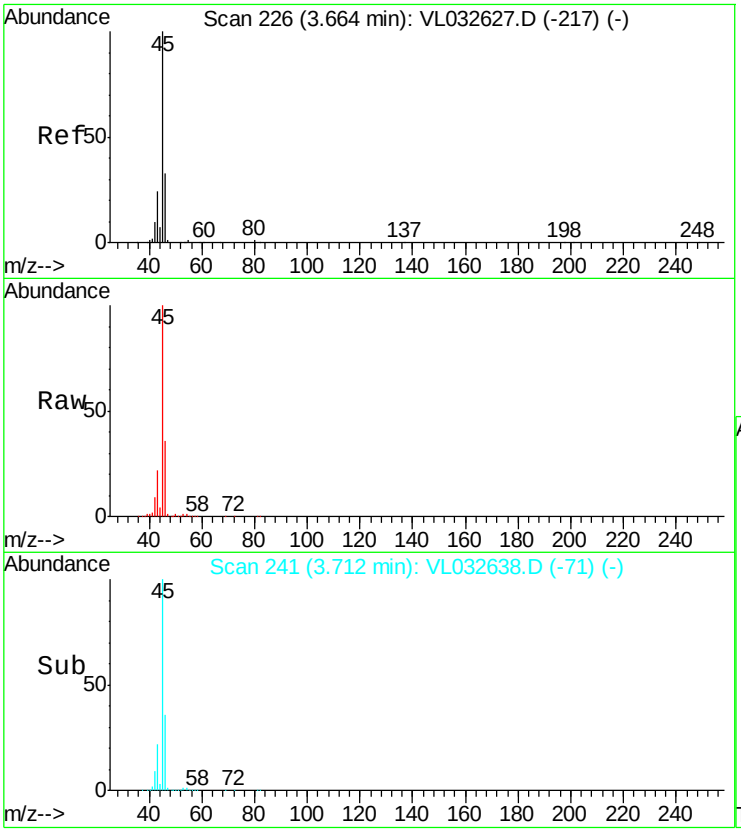


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.37 ppbv
RT: 4.58 min Scan# 510
Delta R.T. 0.01 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion:101 Resp: 19857

Ion	Ratio	Lower	Upper
101	100		
151	64.1	52.3	78.5





#13
Ethanol
Concen: 1225.49 ppbv
RT: 3.71 min Scan# 241
Delta R.T. 0.05 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 45 Resp: 6602216

Ion	Ratio	Lower	Upper
45	100		
46	37.1	15.4	61.8

Instrument :
MSVOA_L
ClientSampleId :
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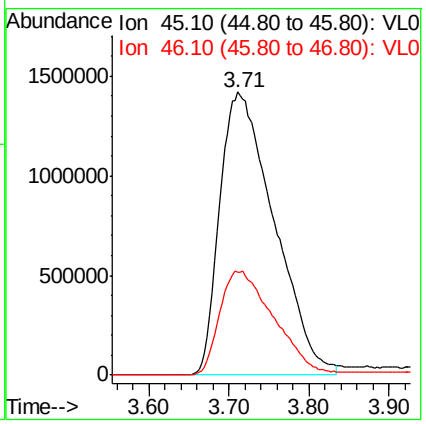
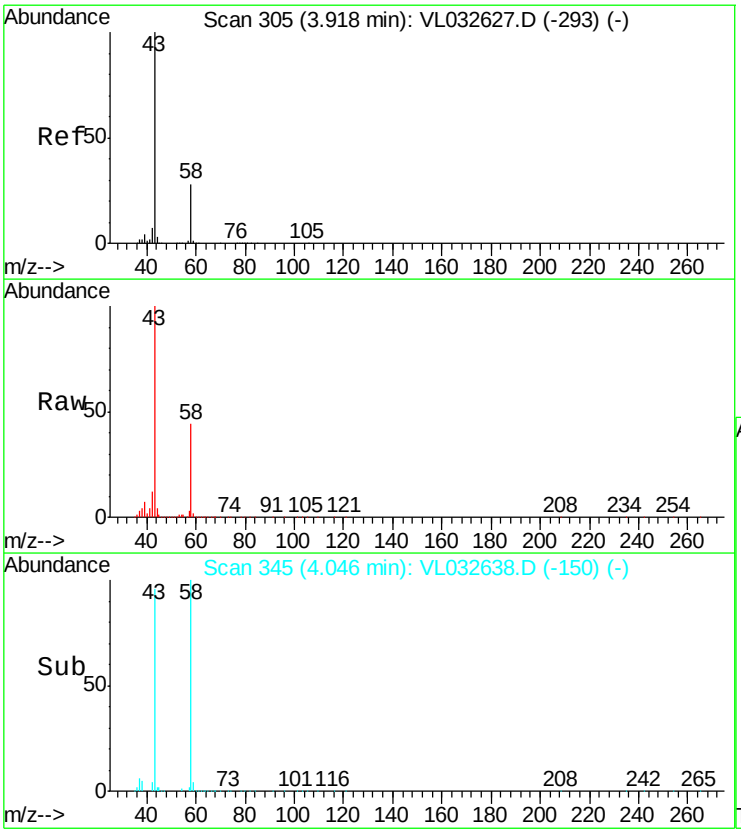
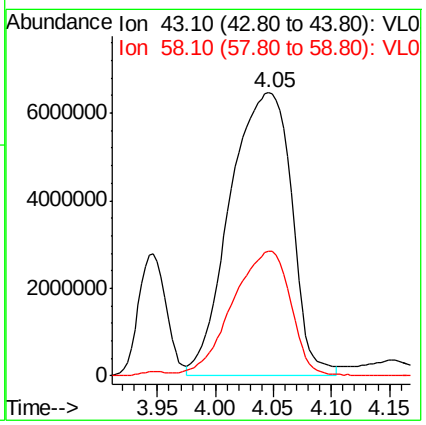


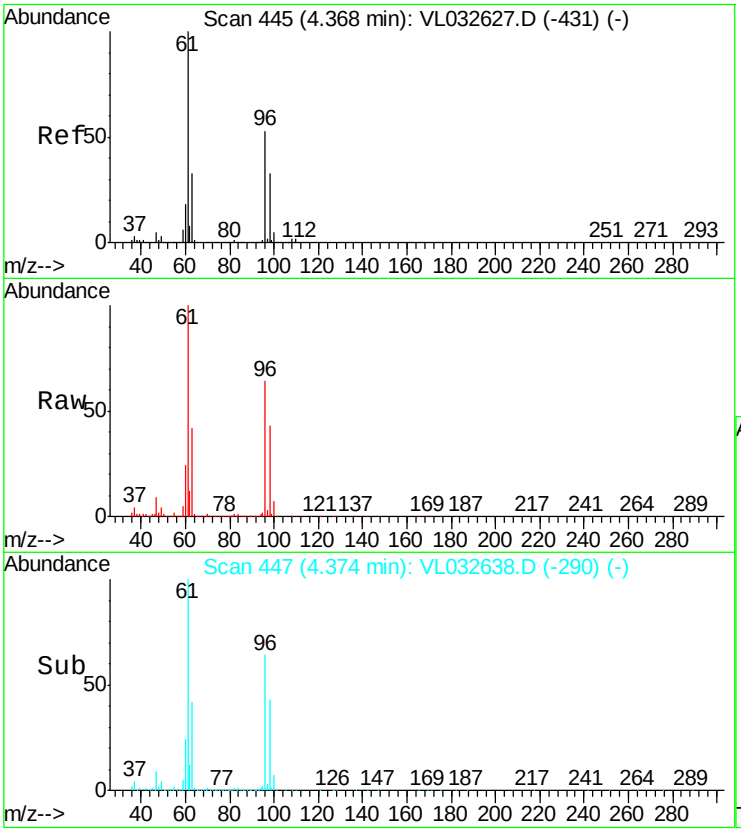


#15
Acetone
Concen: 470.70 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.13 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 43 Resp:23776014

Ion	Ratio	Lower	Upper
43	100		
58	42.9	22.1	33.1#

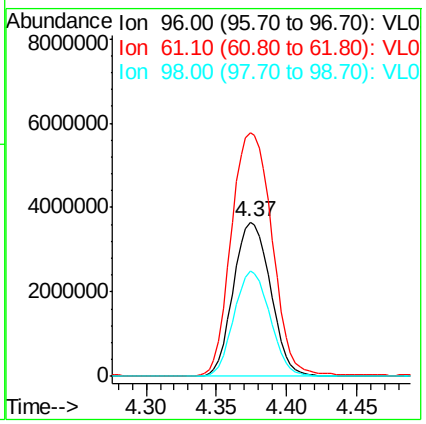




#18
1,1-Dichloroethene
Concen: 281.76 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.01 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 96 Resp: 6783355

Ion	Ratio	Lower	Upper
96	100		
61	157.4	151.6	227.4
98	68.0	50.6	75.8



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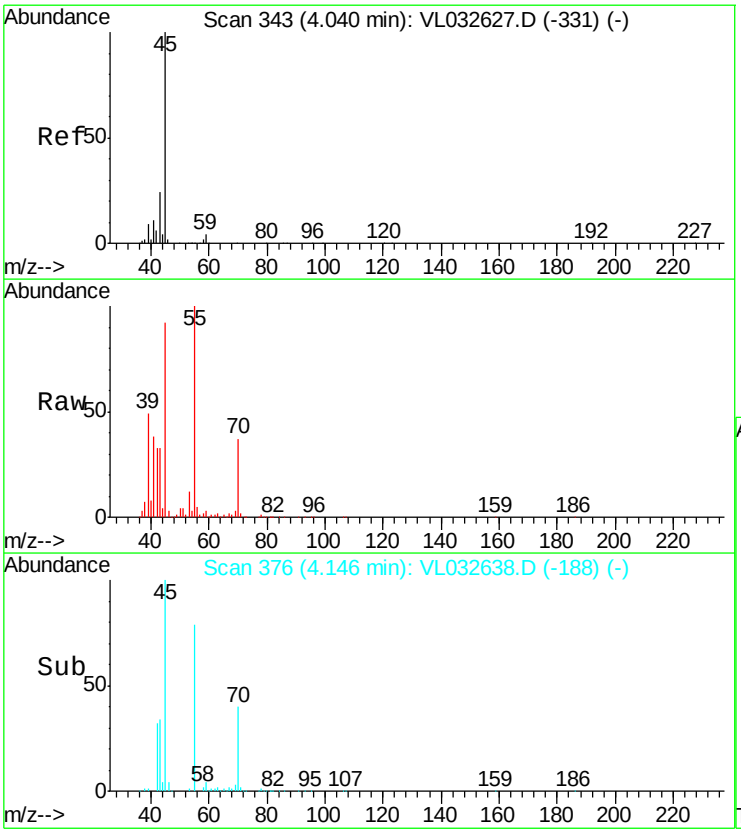
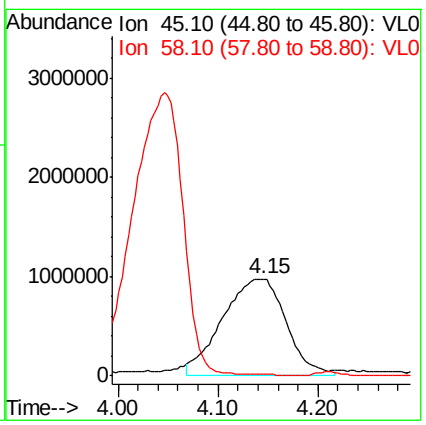
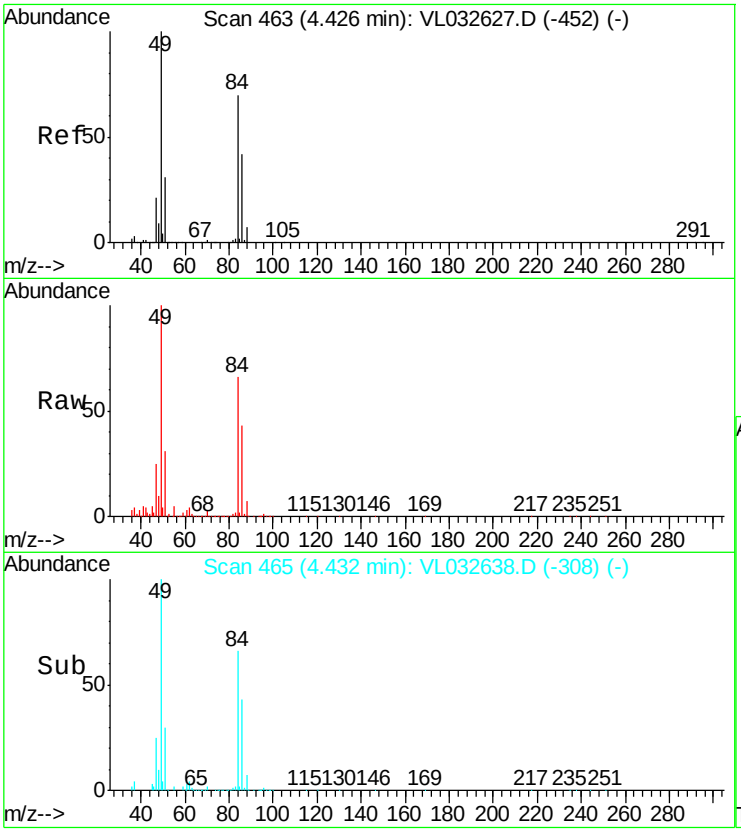


#19
Isopropyl Alcohol
Concen: 121.75 ppbv m
RT: 4.15 min Scan# 376
Delta R.T. 0.11 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 45 Resp: 4343122

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

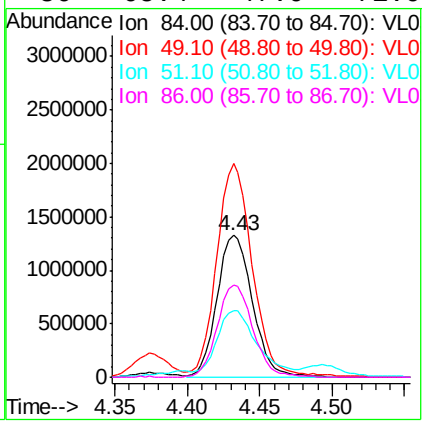




#20
Methylene Chloride
Concen: 99.25 ppbv
RT: 4.43 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 84 Resp: 2245734

Ion	Ratio	Lower	Upper
84	100		
49	150.3	113.5	170.3
51	42.9	34.8	52.2
86	65.4	47.9	71.9



Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVI

Manual Integrations APPROVED
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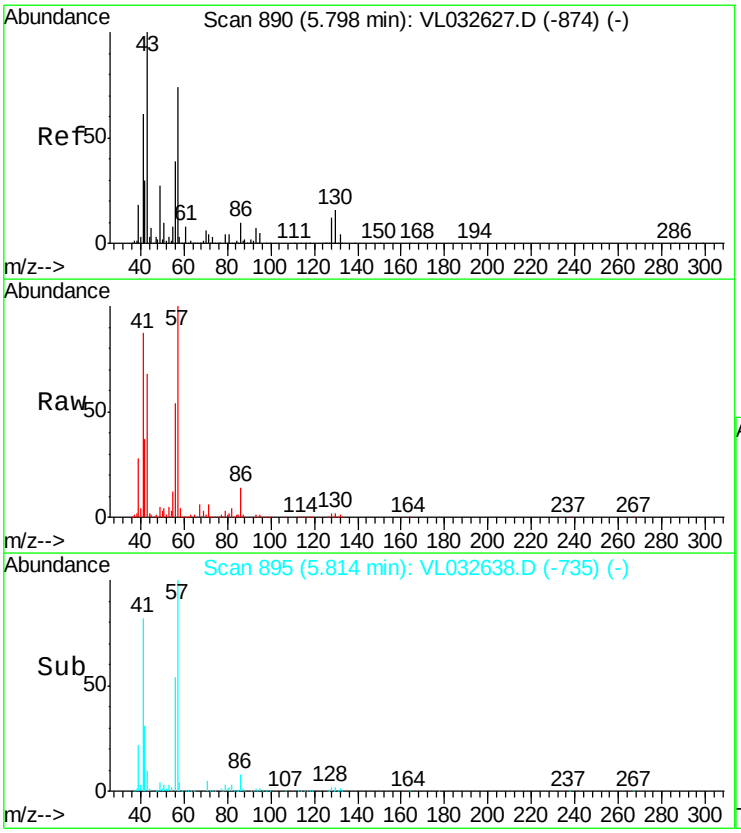
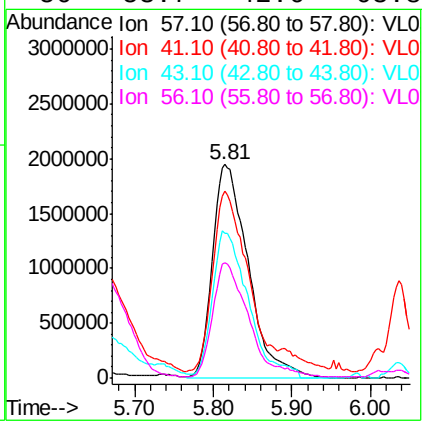
10/19/2018 4:36:34 PM

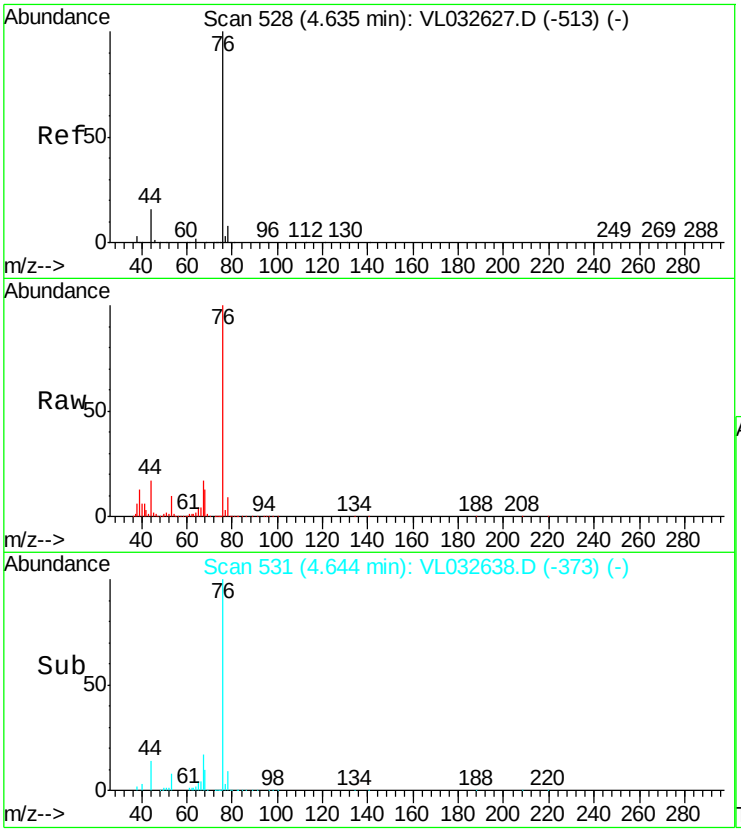


#26
Hexane
Concen: 112.94 ppbv
RT: 5.81 min Scan# 895
Delta R.T. 0.02 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 57 Resp: 6079982

Ion	Ratio	Lower	Upper
57	100		
41	89.9	67.4	101.0
43	69.7	171.9	257.9#
56	53.7	42.6	63.8

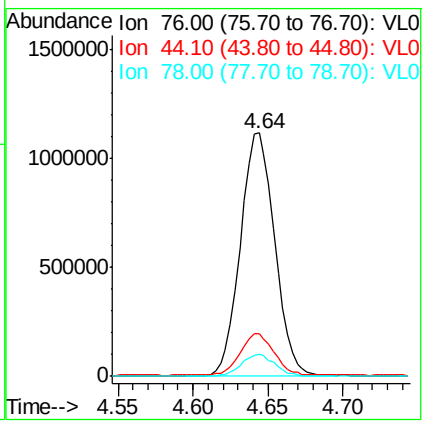




#27
Carbon Disulfide
Concen: 27.54 ppbv
RT: 4.64 min Scan# 531
Delta R.T. 0.01 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 76 Resp: 1791835

Ion	Ratio	Lower	Upper
76	100		
44	17.1	13.7	20.5
78	8.9	7.4	11.2



Instrument :
MSVOA_L
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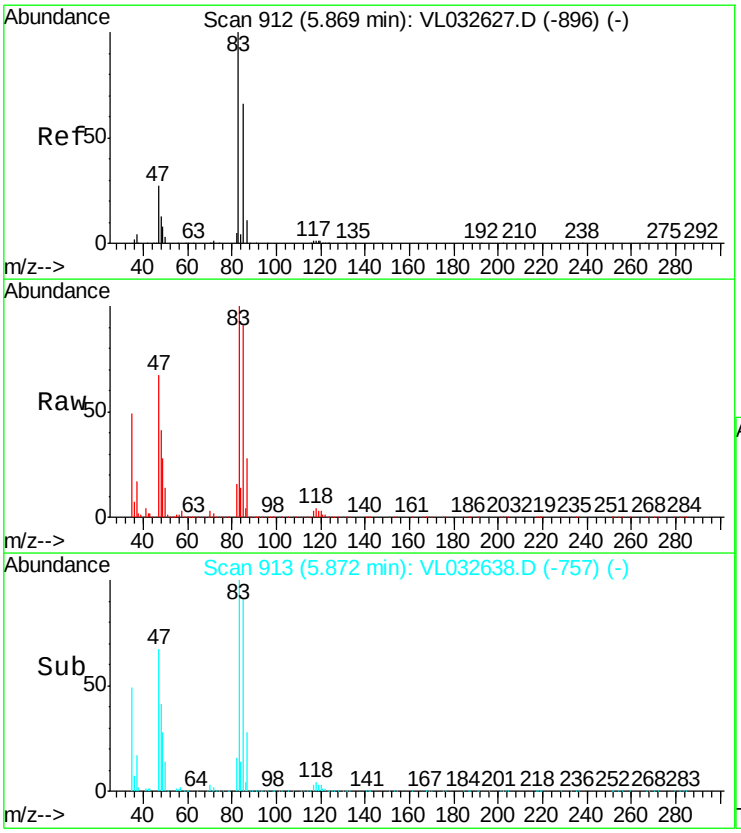
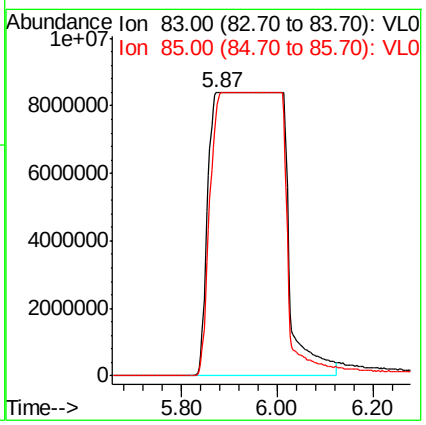
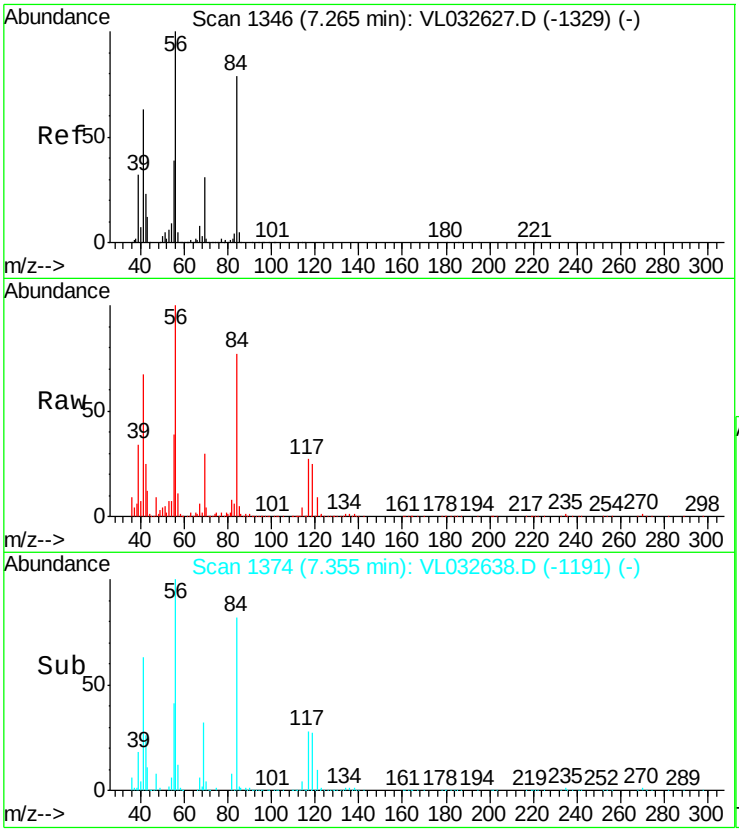


#29
Chloroform
Concen: 952.27 ppbv m
RT: 5.87 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 83 Resp:89850843

Ion	Ratio	Lower	Upper
83	100		
85	91.4	53.0	79.6#

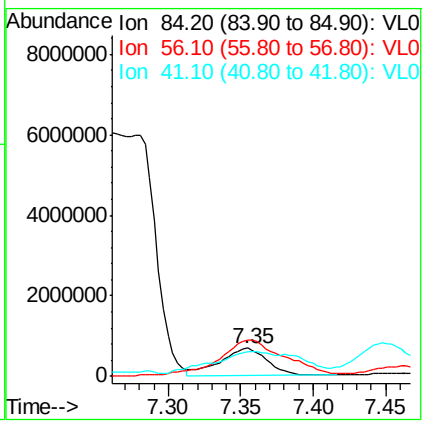




#30
Cyclohexane
Concen: 35.51 ppbv
RT: 7.35 min Scan# 1374
Delta R.T. 0.09 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 84 Resp: 1507513

Ion	Ratio	Lower	Upper
84	100		
56	185.8	108.3	162.5#
41	155.9	64.8	97.2#



Instrument :
MSVOA_L
ClientSampleId :
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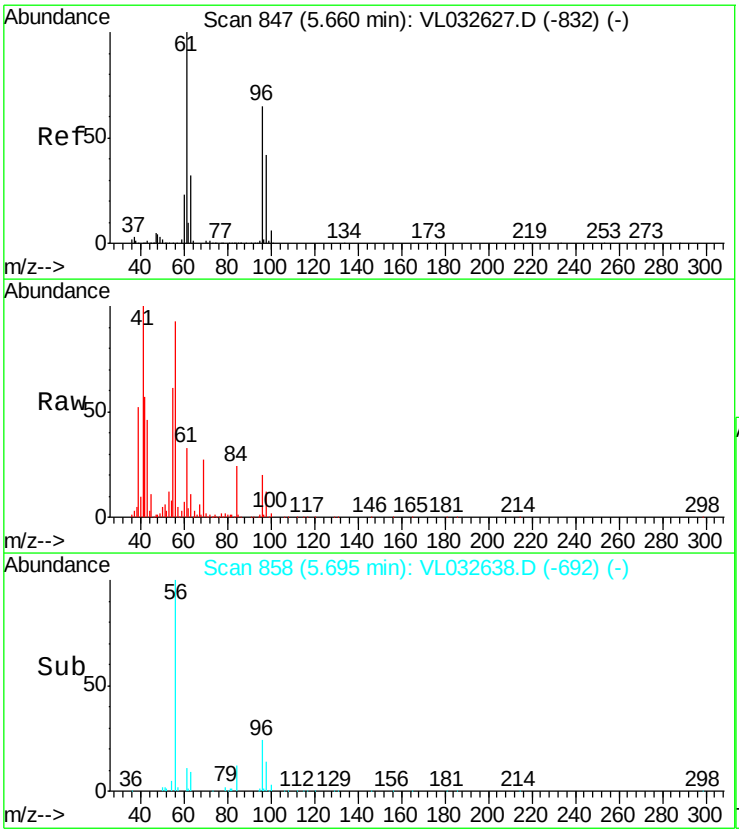
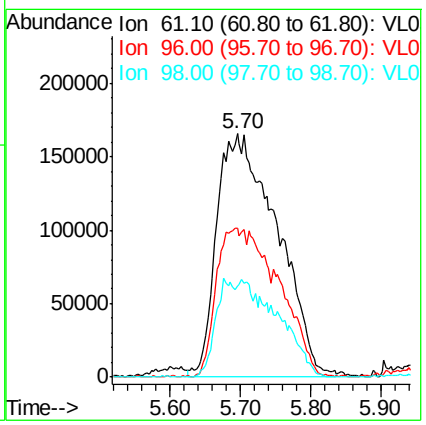
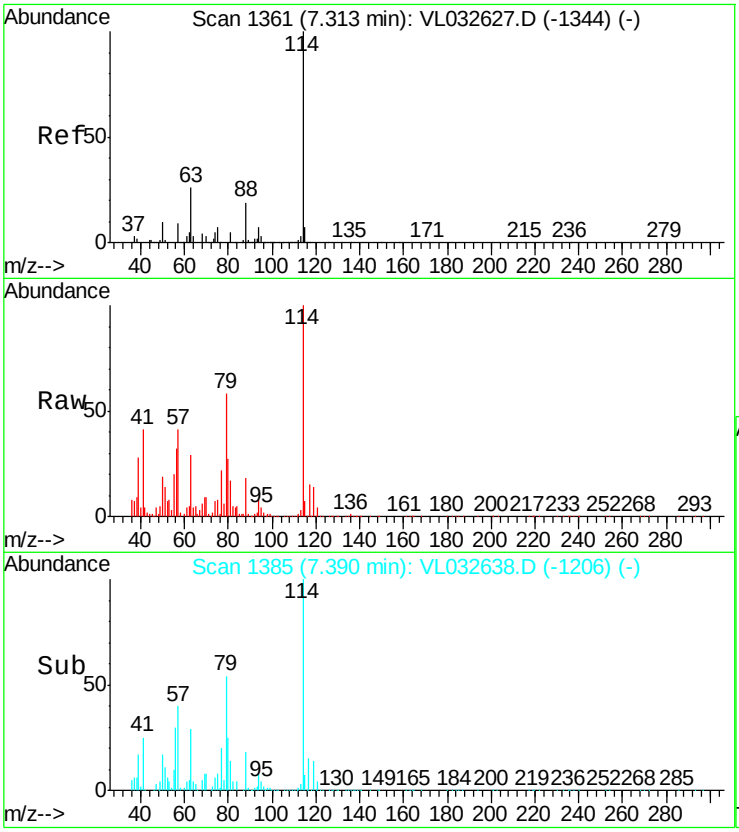


#31
cis-1,2-Dichloroethene
Concen: 19.18 ppbv m
RT: 5.70 min Scan# 858
Delta R.T. 0.04 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 61 Resp: 991773

Ion	Ratio	Lower	Upper
61	100		
96	61.3	51.8	77.6
98	37.2	33.8	50.6

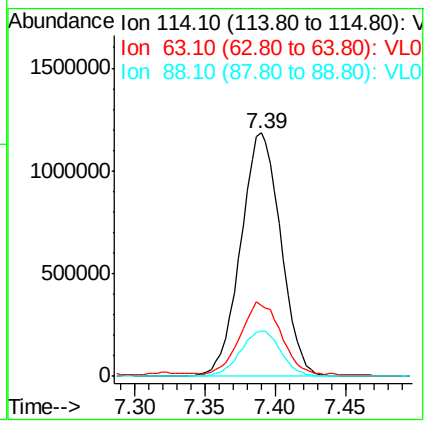




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.39 min Scan# 1385
Delta R.T. 0.08 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion:114 Resp: 2349463

Ion	Ratio	Lower	Upper
114	100		
63	32.5	21.7	32.5
88	19.1	14.9	22.3



Instrument :
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ClientSampleId :
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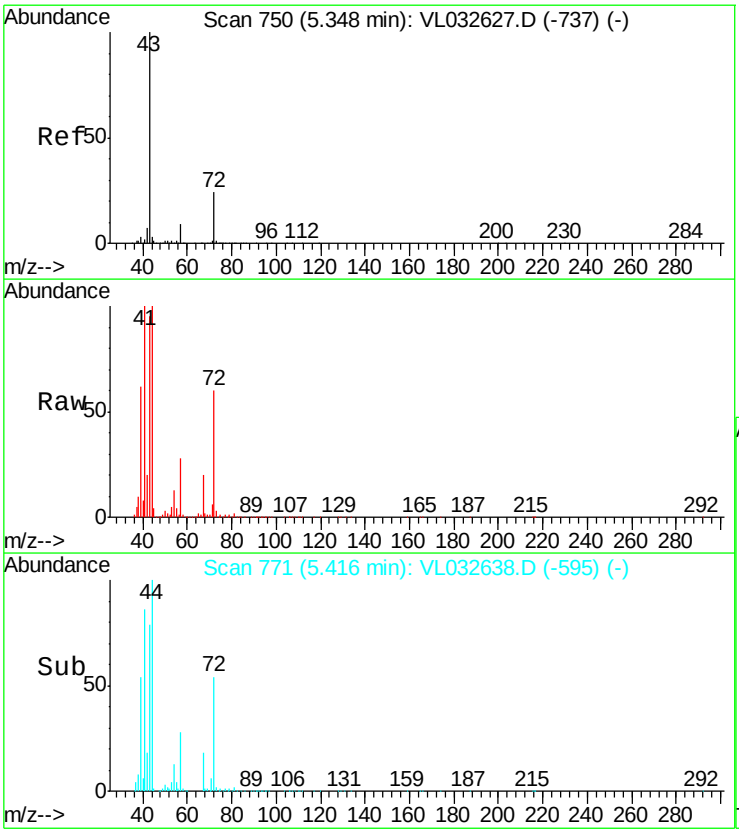
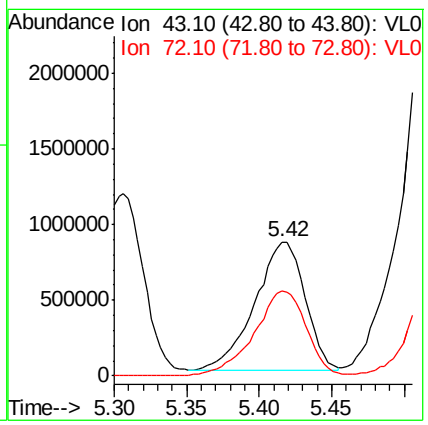
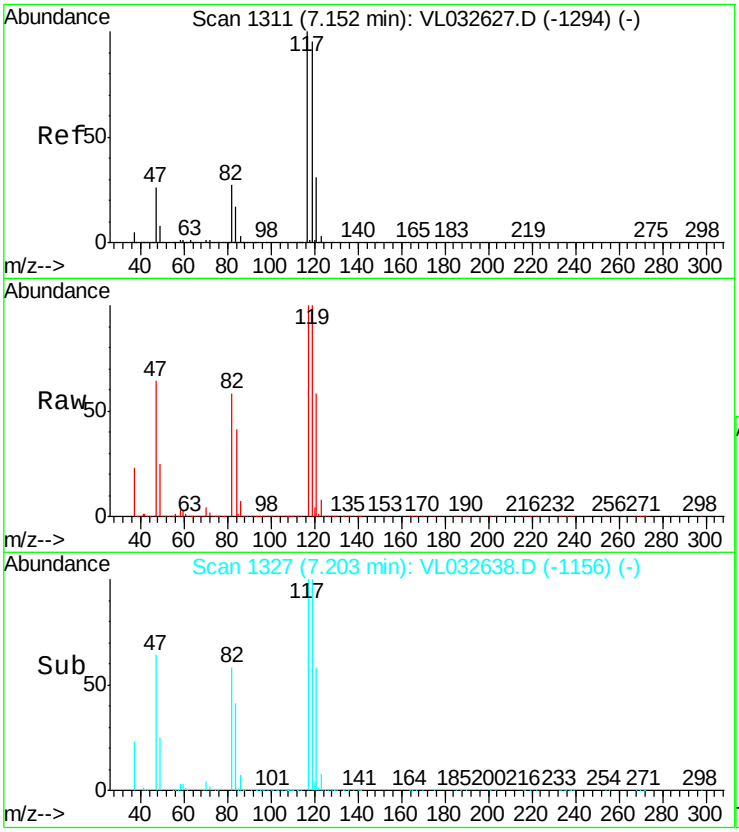


#34
2-Butanone
Concen: 15.70 ppbv
RT: 5.42 min Scan# 771
Delta R.T. 0.07 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 43 Resp: 2046649

Ion	Ratio	Lower	Upper
43	100		
72	68.9	18.6	27.8#

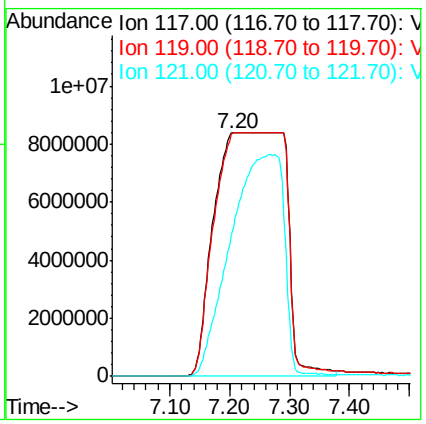




#35
Carbon Tetrachloride
Concen: 375.58 ppbv m
RT: 7.20 min Scan# 1327
Delta R.T. 0.05 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion:117 Resp:68386821

Ion	Ratio	Lower	Upper
117	100		
119	99.6	75.7	113.5
121	57.8	24.7	37.1#



Instrument :
MSVOA_L
ClientSampleId :
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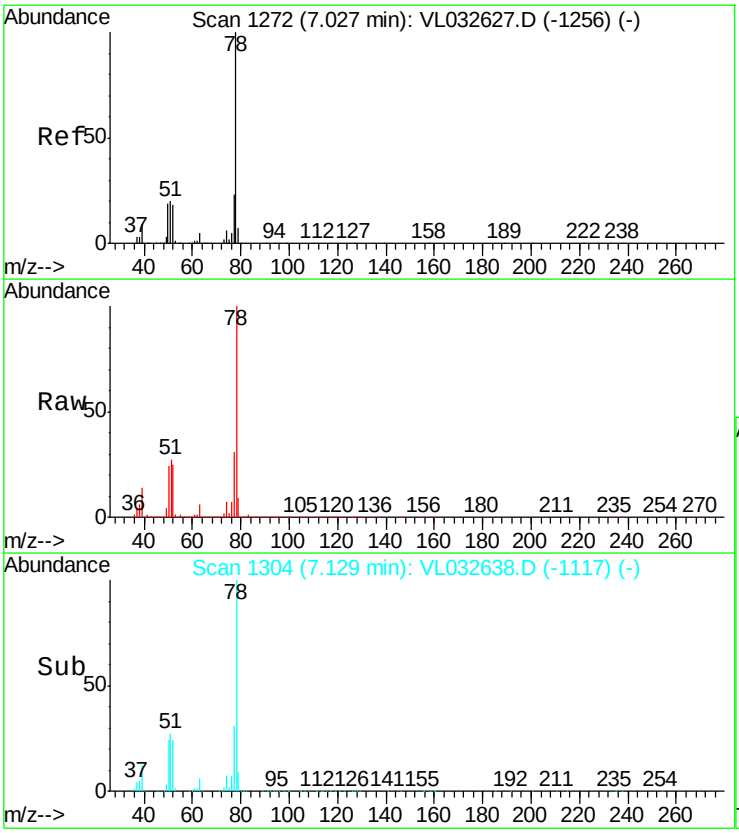

#36
Benzene
Concen: 122.35 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. 0.10 min
Lab File: VL032638.D
Acq: 17 Oct 2018 13:12

Tgt Ion: 78 Resp:23299915

Ion	Ratio	Lower	Upper
78	100		
77	31.0	18.1	27.1#
50	23.8	15.1	22.7#