Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
Data File : VL033288.D
Acq On : 12 Mar 2019 18:22
Operator : SY/AP
Sample : K1805-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ST-DUP-1

Manual Integrations APPROVED
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Quant Time: Mar 13 17:49:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 1
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	779593	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1779157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1735672	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1385949	10.34	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	36538	0.232	ppbv	97
3) Chlorodifluoromethane	3.01	51	26067m	0.252	ppbv	
4) Chloromethane	3.17	50	39042	0.706	ppbv	91
9) Propene	3.05	41	24265m	0.515	ppbv	
11) Trichlorofluoromethane	4.00	101	31390	0.201	ppbv	97
13) Ethanol	3.65	45	106439	7.401	ppbv	97
15) Acetone	3.90	43	370682m	3.100	ppbv	
19) Isopropyl Alcohol	4.04	45	40507m	0.560	ppbv	
20) Methylene Chloride	4.41	84	52528	1.321	ppbv	97
26) Hexane	5.78	57	75720	0.875	ppbv #	41
34) 2-Butanone	5.34	43	38575m	0.328	ppbv	
36) Benzene	7.00	78	46086	0.281	ppbv	96
44) 2,2,4-Trimethylpentane	7.99	57	35132m	0.126	ppbv	
52) Tetrachloroethene	11.37	164	23445	0.390	ppbv	91
53) Toluene	9.94	91	237279	1.255	ppbv	100

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

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Instrument :
MSVOA_L
ClientSampleId :
ST-DUP-1

Manual Integrations APPROVED
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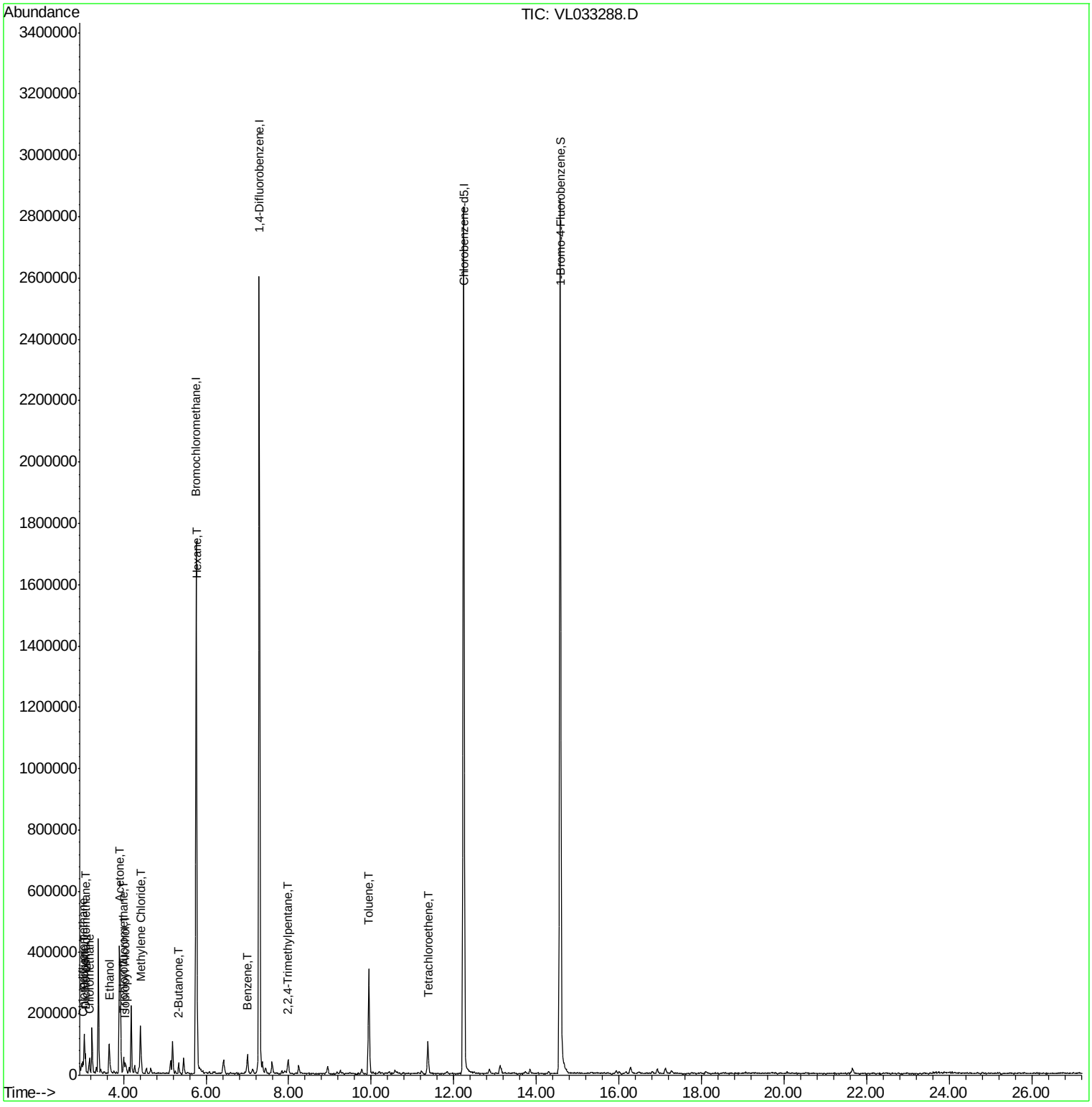
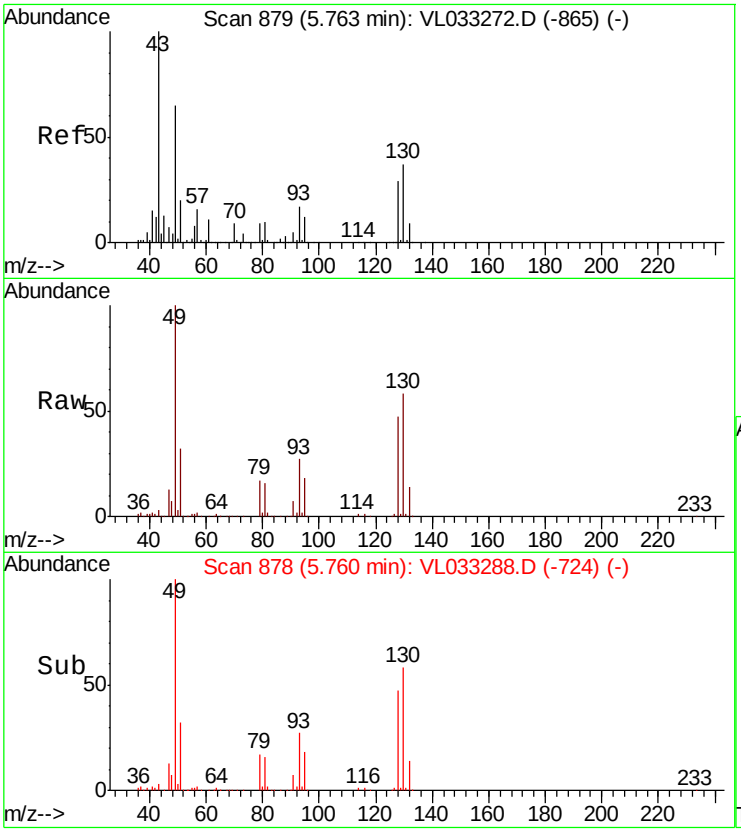
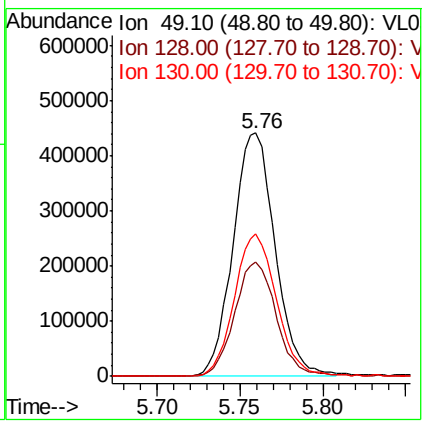




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 49 Resp: 779593

Ion	Ratio	Lower	Upper
49	100		
128	46.5	23.3	69.9
130	59.2	30.0	90.1



Instrument :
MSVOA_L
ClientSampleId :
ST-DUP-1

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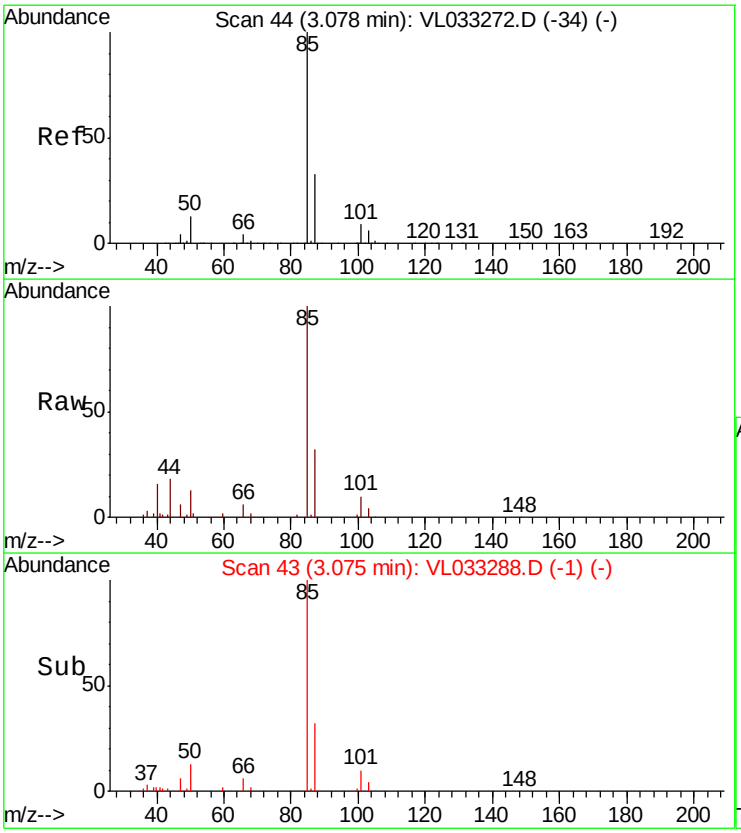
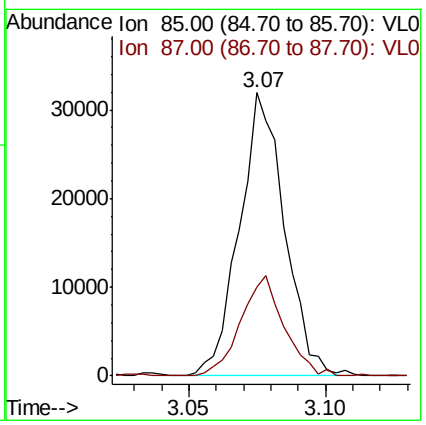
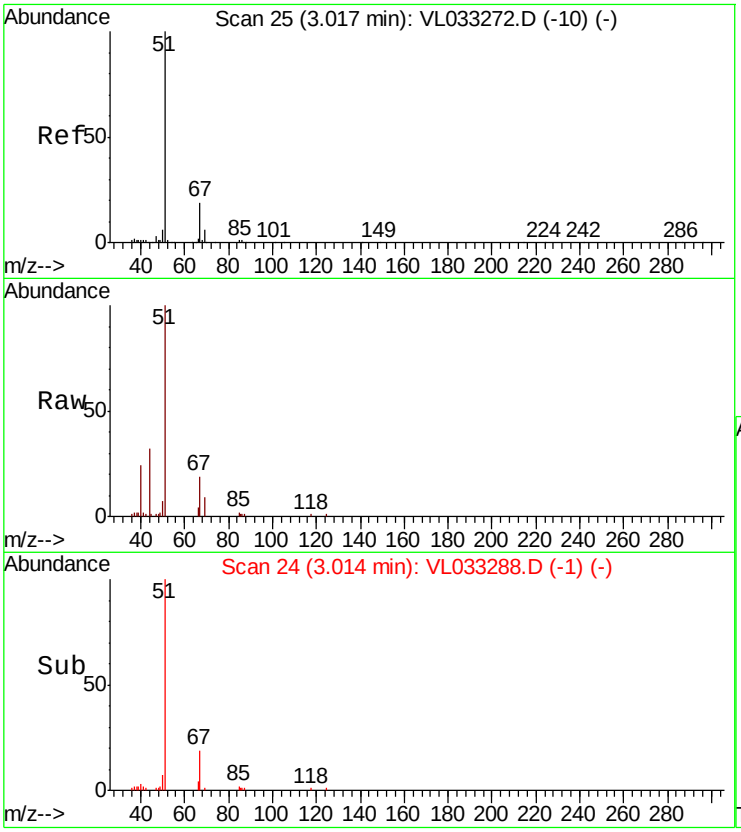


#2
Dichlorodifluoromethane
Concen: 0.232 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 85 Resp: 36538

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.4	39.6





#3
Chlorodifluoromethane
Concen: 0.252 ppbv m
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 51 Resp: 26067

Ion	Ratio	Lower	Upper
51	100		
67	21.1	15.0	22.4

Instrument :
MSVOA_L
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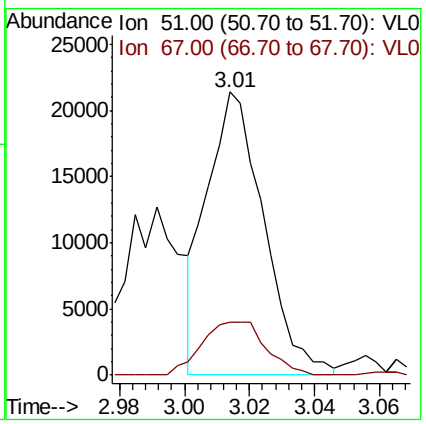
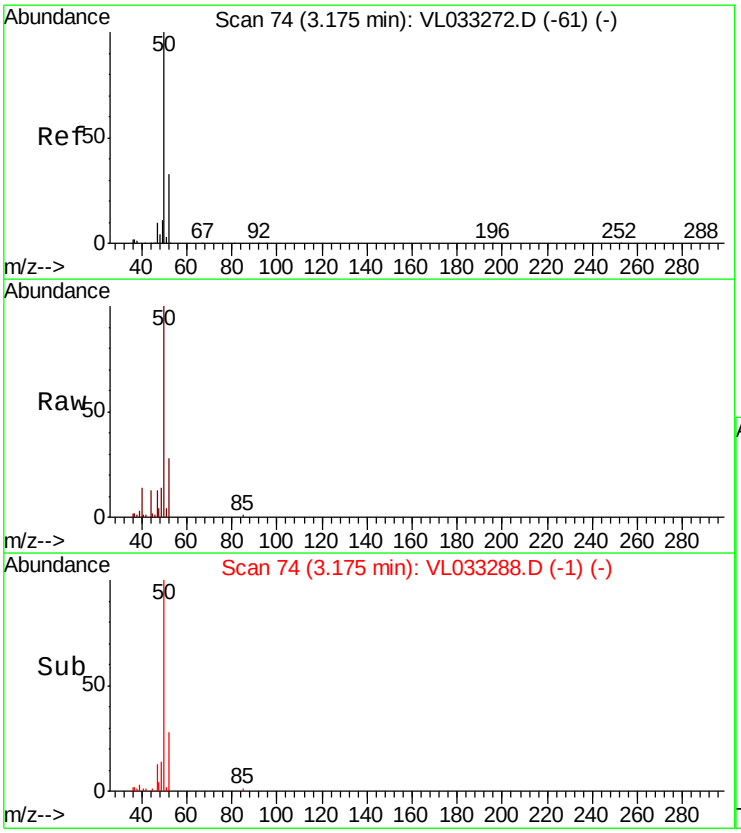
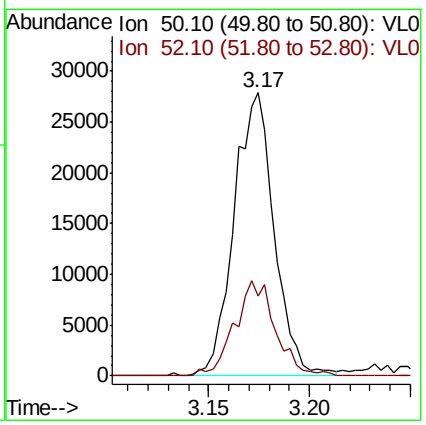


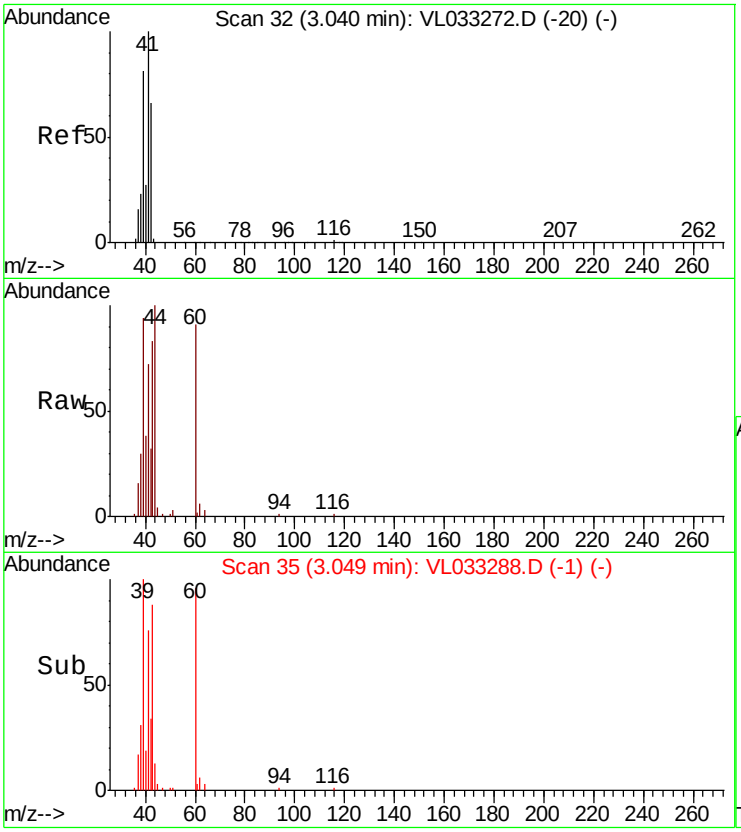


#4
Chloromethane
Concen: 0.706 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 50 Resp: 39042

Ion	Ratio	Lower	Upper
50	100		
52	28.3	26.6	39.8





#9
Propene
Concen: 0.515 ppbv m
RT: 3.05 min Scan# 35
Delta R.T. 0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 41 Resp: 24265

Ion	Ratio	Lower	Upper
41	100		
42	110.5	54.6	82.0#

Instrument :
MSVOA_L
ClientSampleId :
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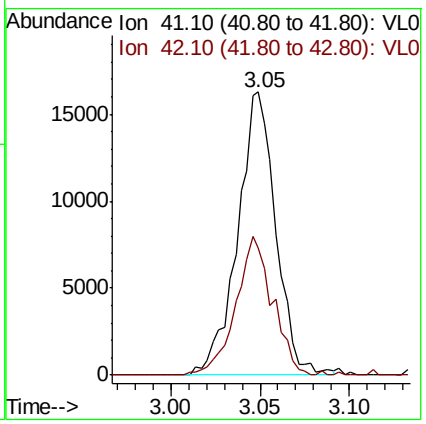
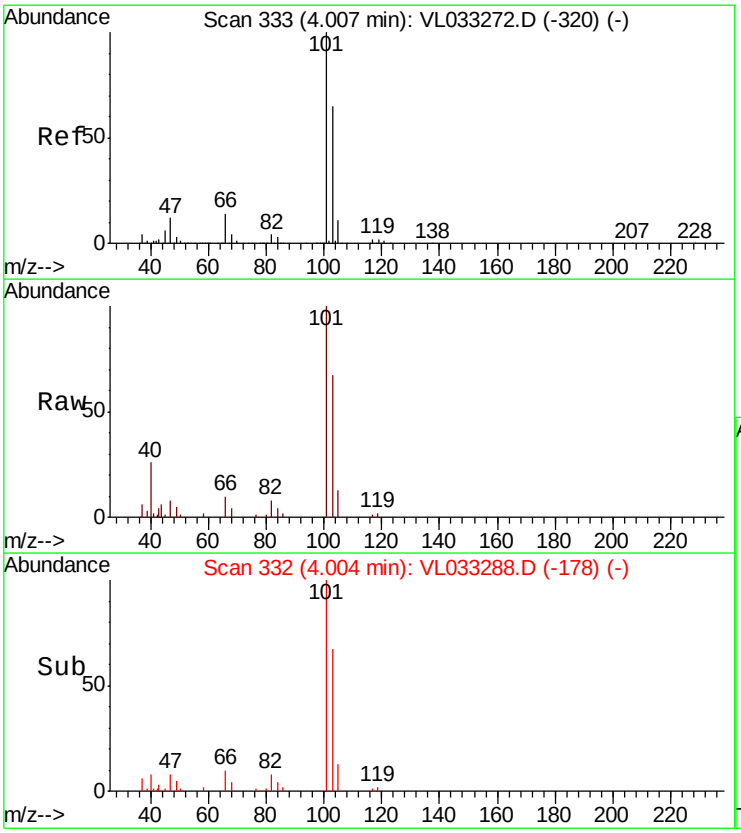
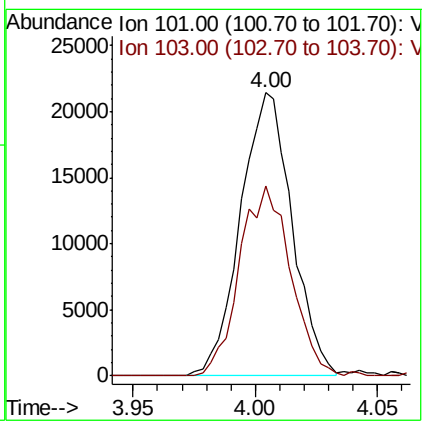


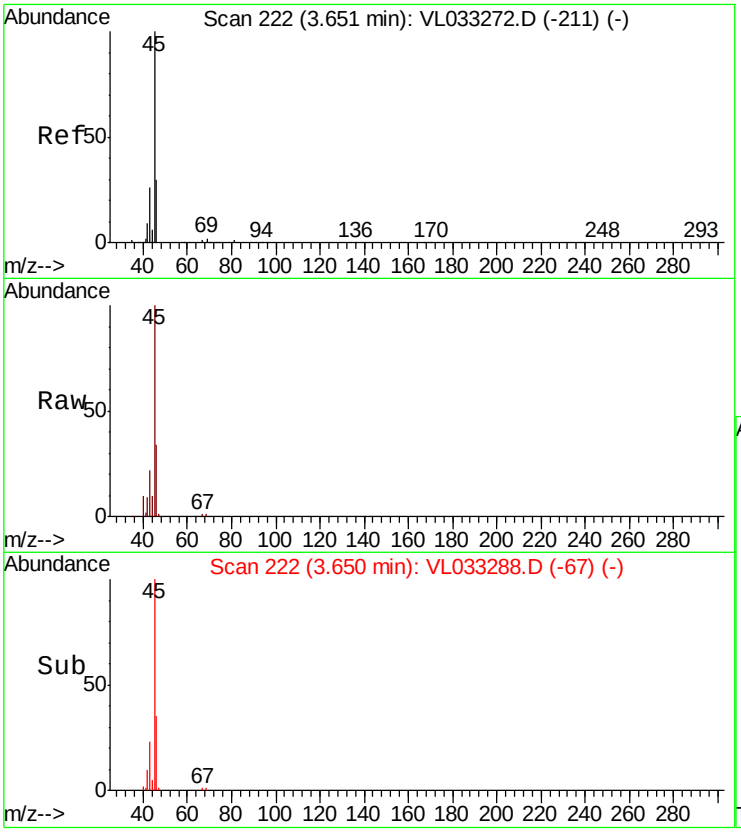


#11
Trichlorofluoromethane
Concen: 0.201 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion:101 Resp: 31390

Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.8	77.8

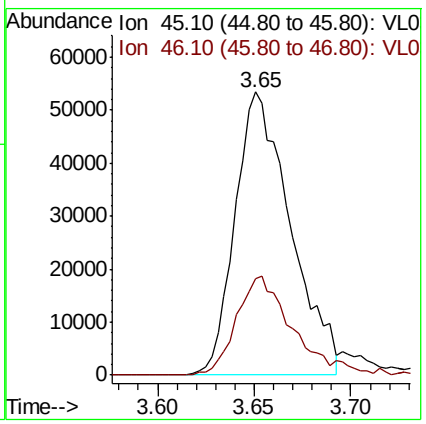




#13
Ethanol
Concen: 7.401 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 45 Resp: 106439

Ion	Ratio	Lower	Upper
45	100		
46	36.3	13.9	55.7



Instrument :
MSVOA_L
ClientSampleId :
ST-DUP-1

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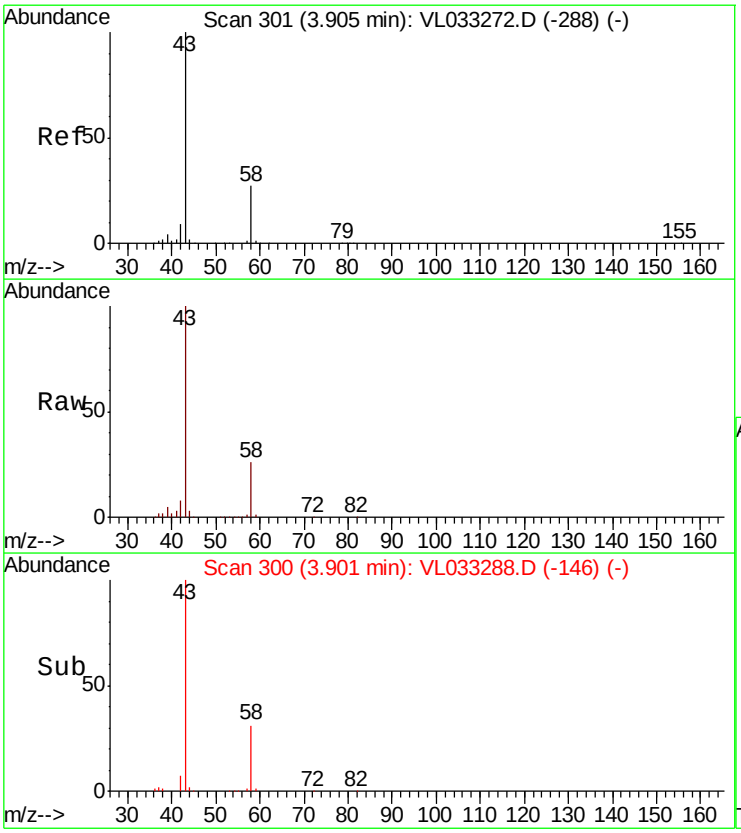
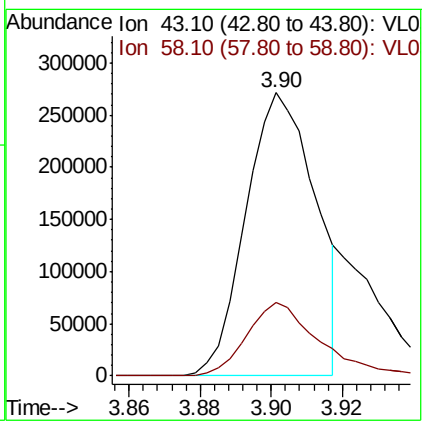
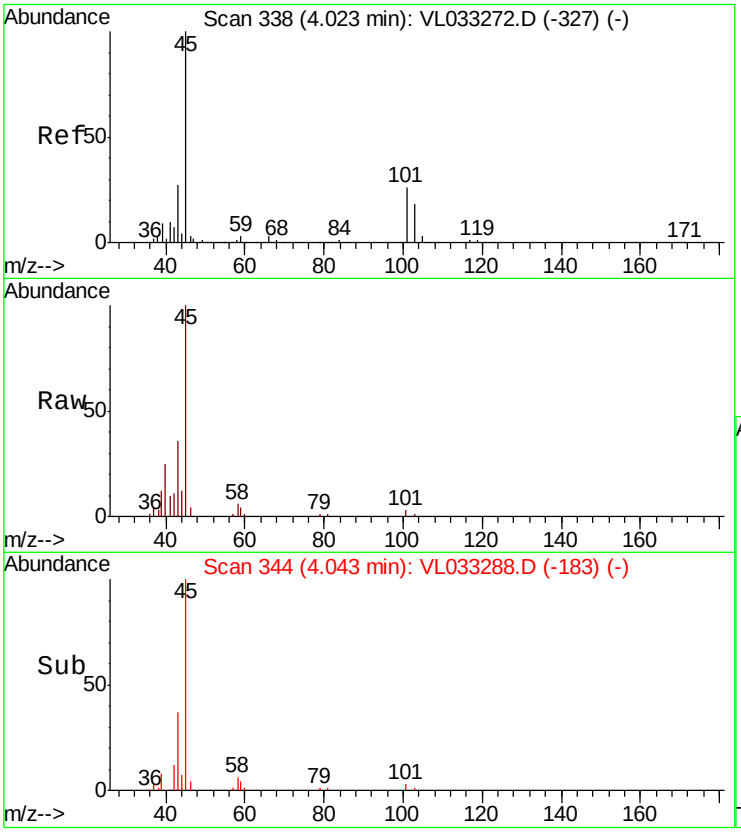


#15
Acetone
Concen: 3.100 ppbv m
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 43 Resp: 370682

Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.1	31.7





#19
Isopropyl Alcohol
Concen: 0.560 ppbv m
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 45 Resp: 40507

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

Instrument :
MSVOA_L
ClientSampleId :
ST-DUP-1

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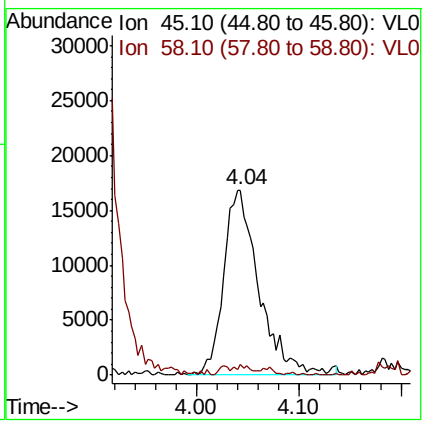
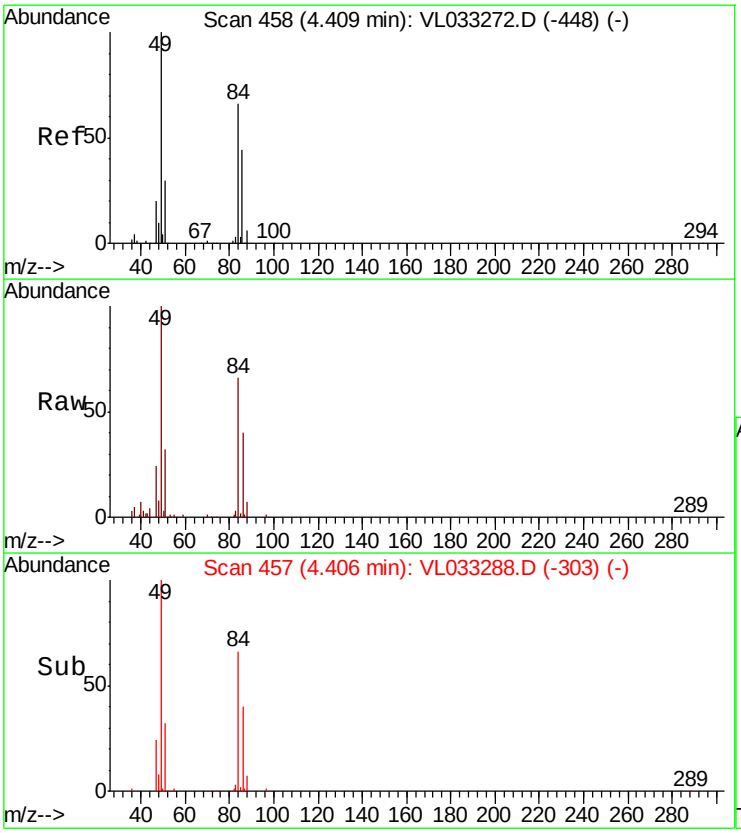
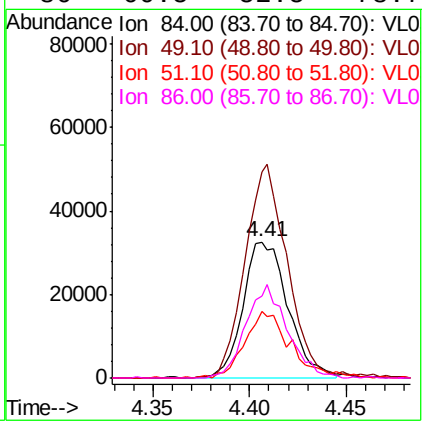


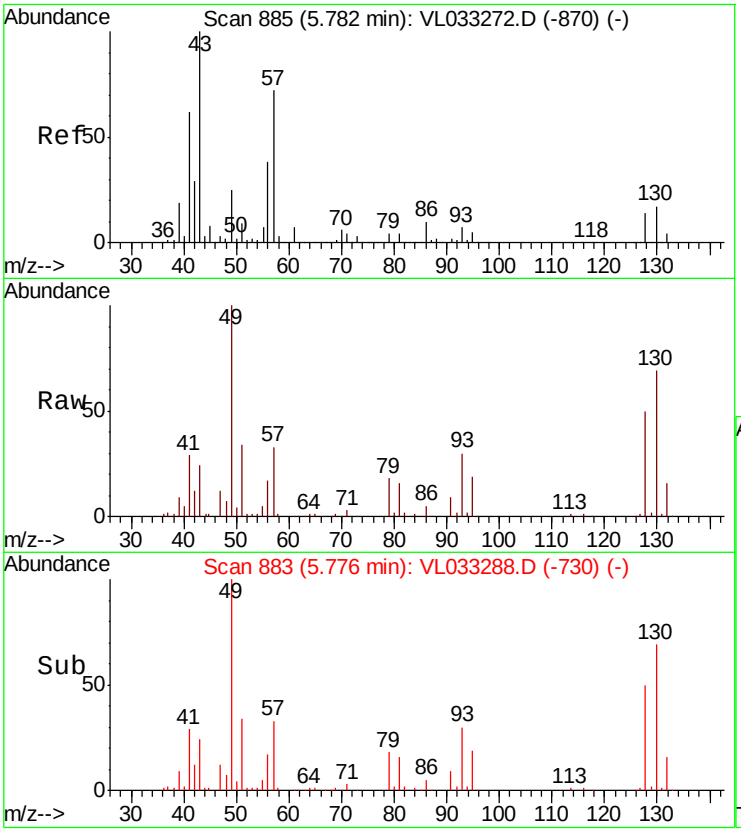


#20
Methylene Chloride
Concen: 1.321 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 84 Resp: 52528

Ion	Ratio	Lower	Upper
84	100		
49	151.5	120.3	180.5
51	48.0	36.2	54.4
86	60.5	52.5	78.7

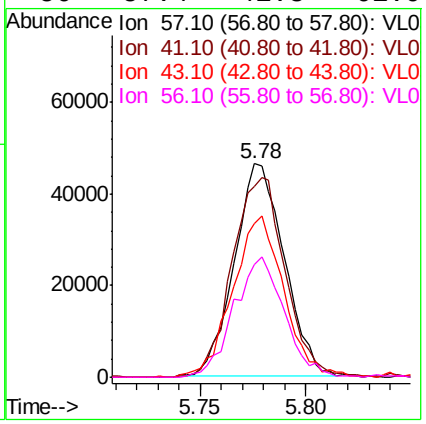




#26
Hexane
Concen: 0.875 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 57 Resp: 75720

Ion	Ratio	Lower	Upper
57	100		
41	100.4	70.7	106.1
43	78.4	178.6	267.8#
56	57.4	41.3	61.9



Instrument :
MSVOA_L
ClientSampleId :
ST-DUP-1

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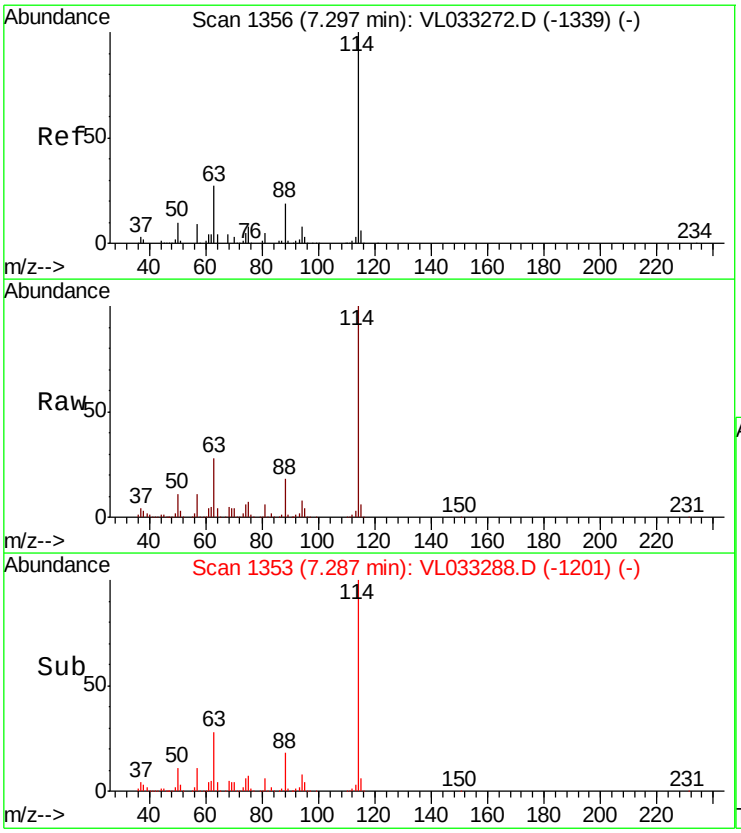
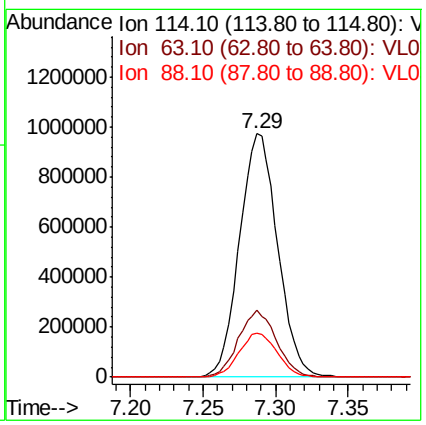
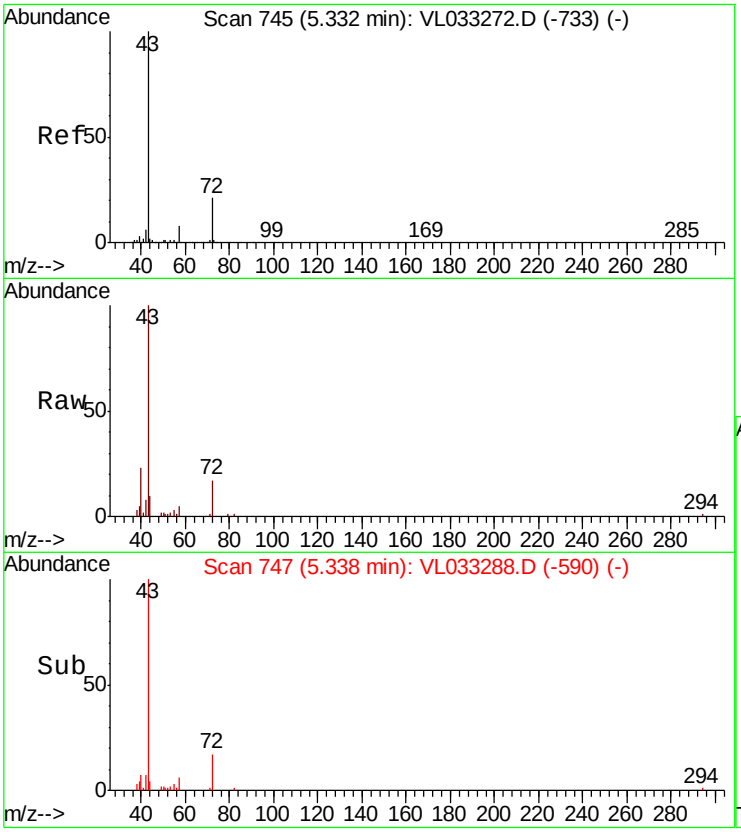


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion:114 Resp: 1779157

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.5	32.3
88	18.2	14.6	22.0





#34
2-Butanone
Concen: 0.328 ppbv m
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 43 Resp: 38575

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.0	25.6

Instrument :
MSVOA_L
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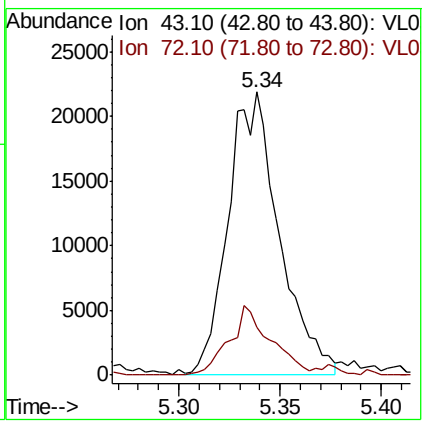
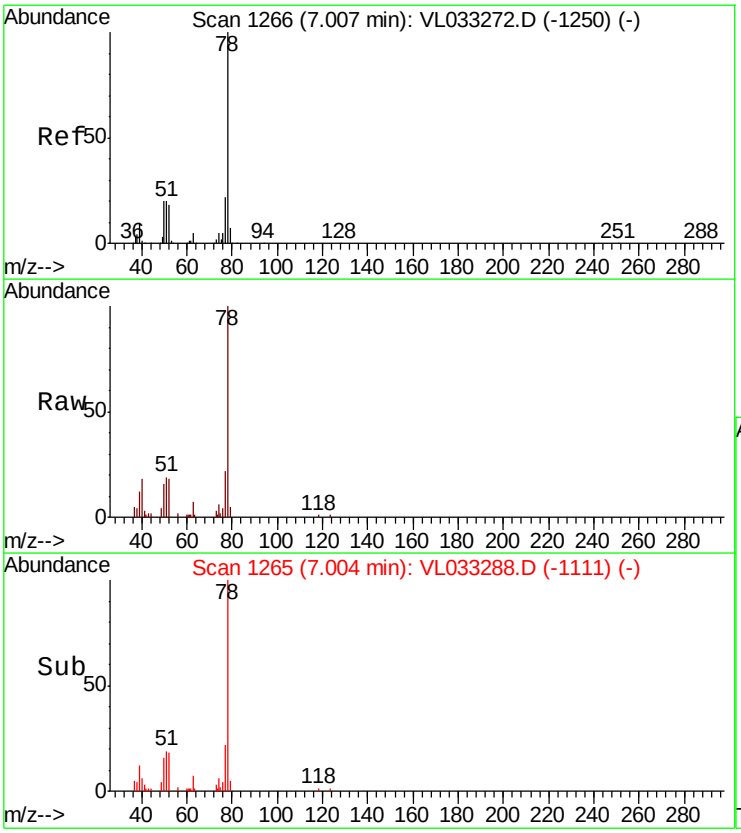
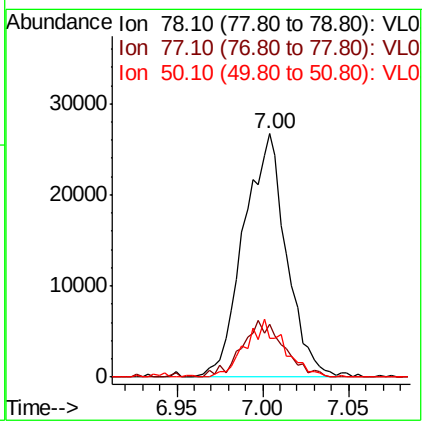


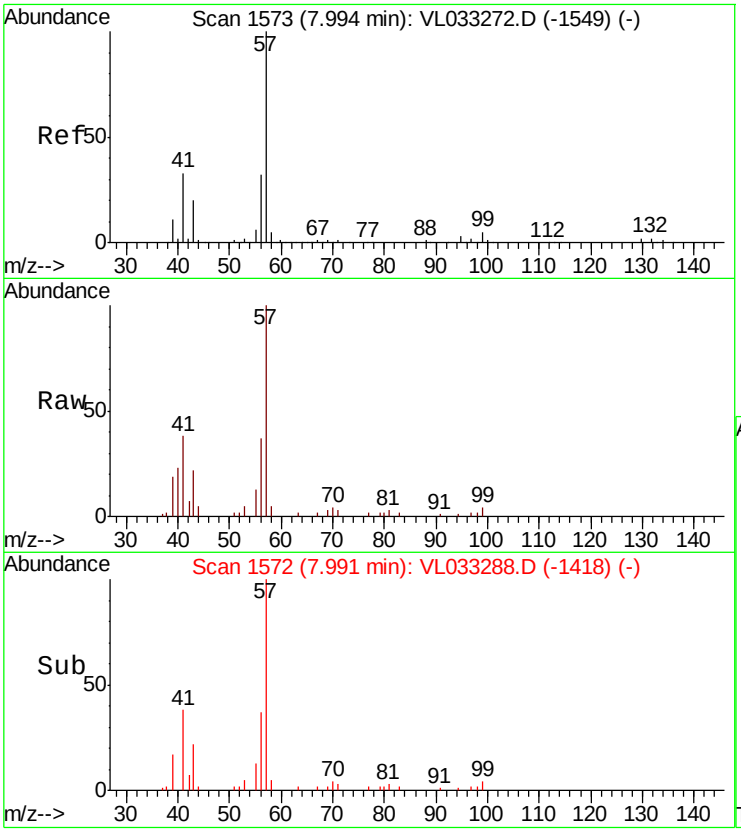


#36
Benzene
Concen: 0.281 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 78 Resp: 46086

Ion	Ratio	Lower	Upper
78	100		
77	21.8	17.7	26.5
50	16.0	15.7	23.5





#44
2,2,4-Trimethylpentane
Concen: 0.126 ppbv m
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 57 Resp: 35132

Ion	Ratio	Lower	Upper
57	100		
41	44.5	26.2	39.2#
56	0.0	24.8	37.2#

Instrument :
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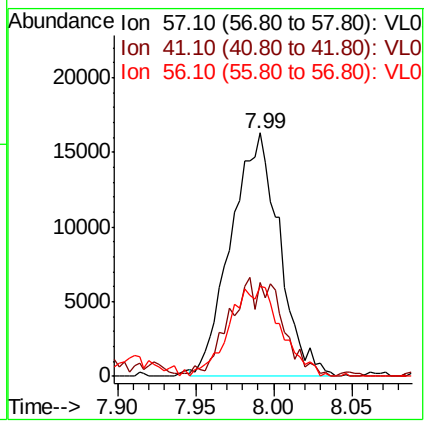
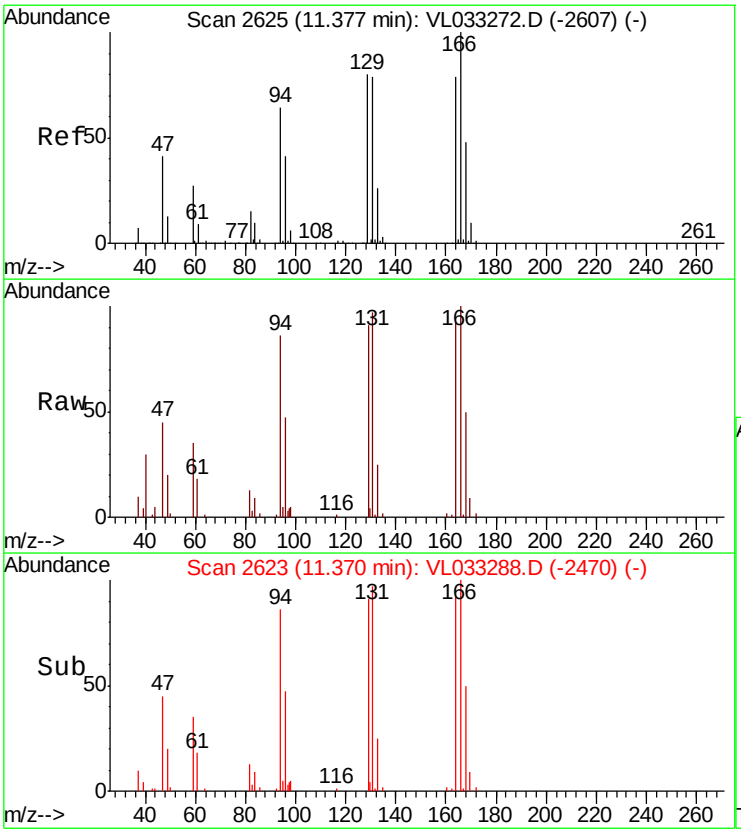
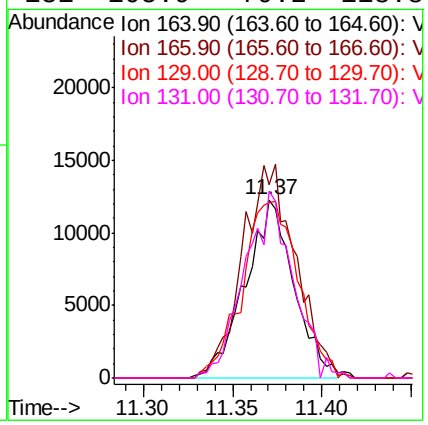


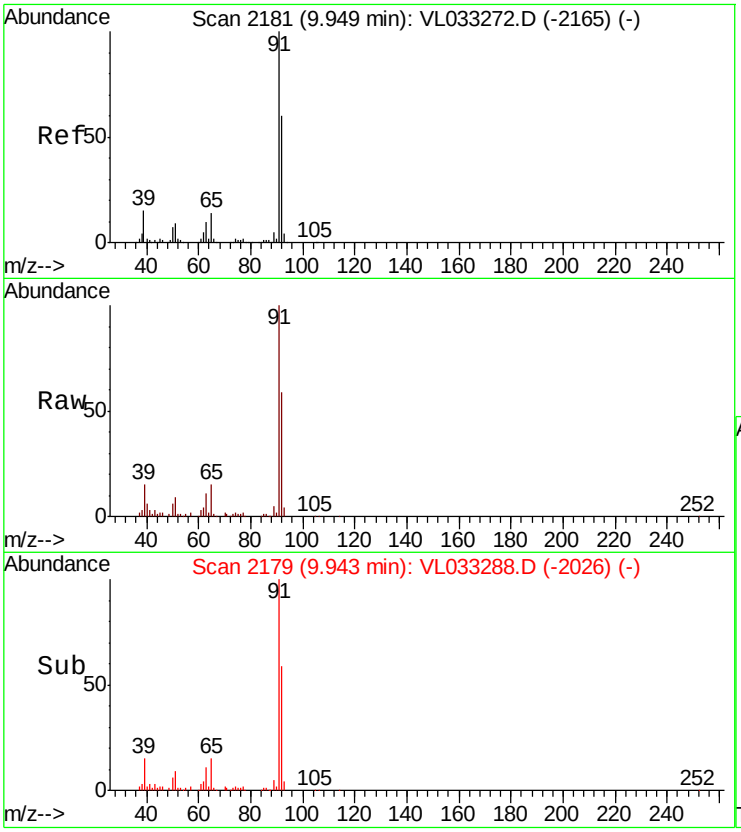


#52
Tetrachloroethene
Concen: 0.390 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion:164 Resp: 23445

Ion	Ratio	Lower	Upper
164	100		
166	108.1	100.8	151.2
129	102.7	80.6	121.0
131	105.9	79.2	118.8





#53
Toluene
Concen: 1.255 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 91 Resp: 237279

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.8	71.8

Instrument :
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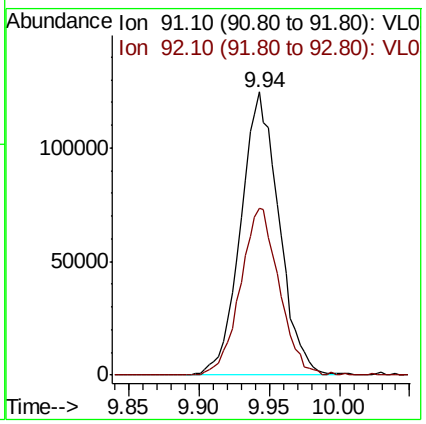
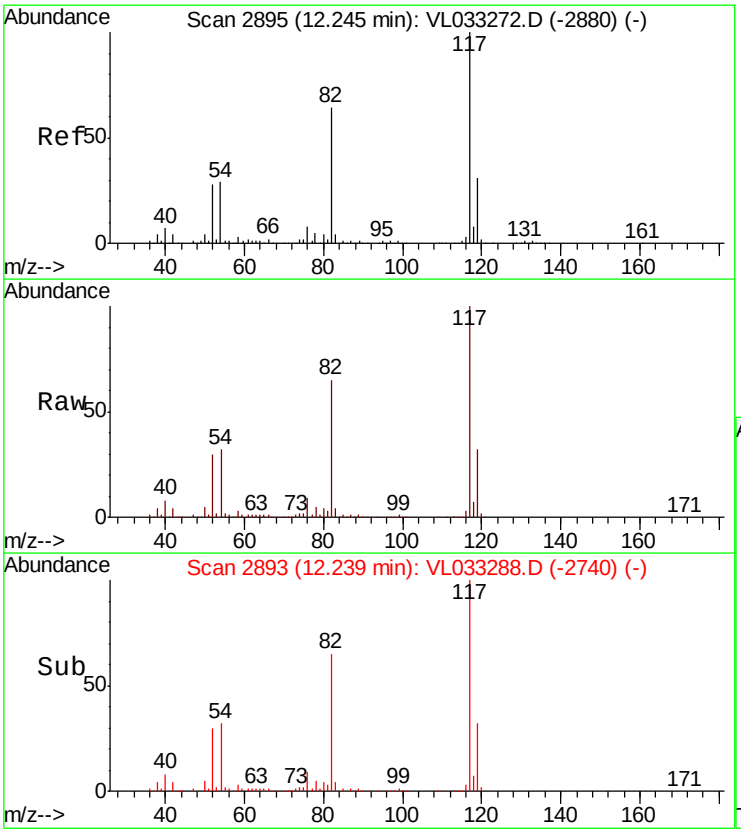
3/14/2019 5:06:11 AM

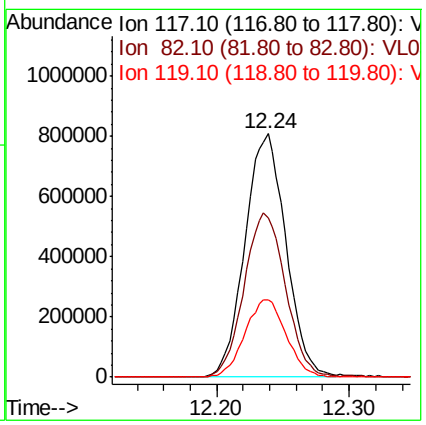


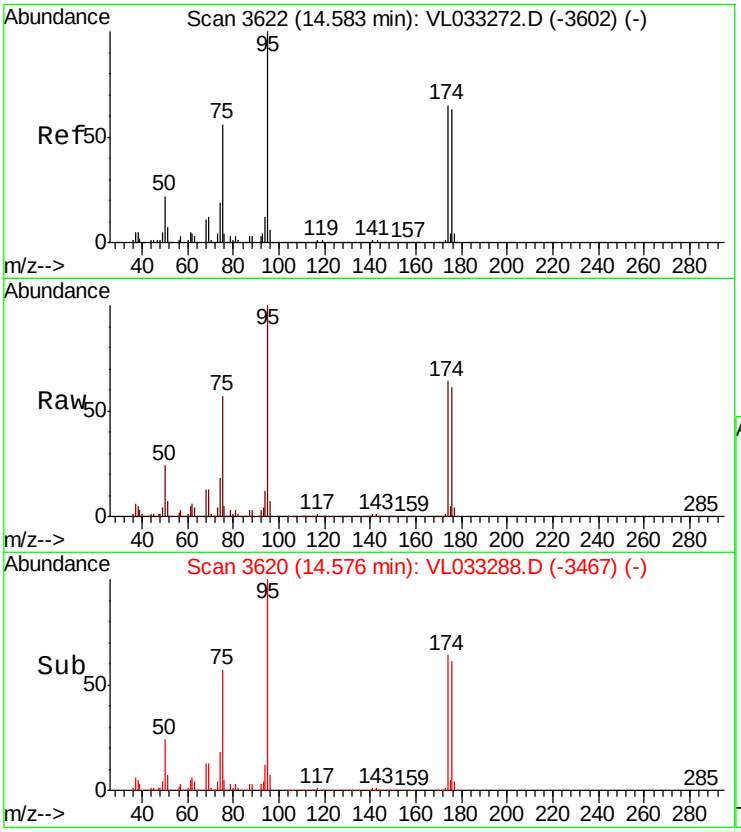


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion:117 Resp: 1735672

Ion	Ratio	Lower	Upper
117	100		
82	68.8	51.1	76.7
119	32.5	43.6	65.4#

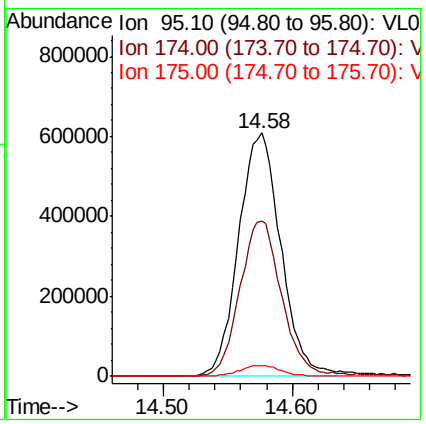




#68
1-Bromo-4-Fluorobenzene
Concen: 10.340 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033288.D
Acq: 12 Mar 2019 18:22

Tgt Ion: 95 Resp: 1385949

Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.7	77.5
175	4.5	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
ST-DUP-1

Manual Integrations APPROVED
MMDadoda
3/14/2019 5:06:11 AM