Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\
Data File : VL033538.D
Acq On : 4 Apr 2019 18:22
Operator : SY/AP
Sample : K2096-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-2

Manual Integrations APPROVED
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4/8/2019 3:22:18 AM

Quant Time: Apr 05 02:33:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 2
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	966311	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1903488	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2247872	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1796973	10.20	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	127921	0.908	ppbv		98
3) Chlorodifluoromethane	3.01	51	43769m	0.393	ppbv		
4) Chloromethane	3.17	50	29838	0.507	ppbv		100
9) Propene	3.05	41	164412	3.519	ppbv	#	61
10) Heptane	8.25	43	156172	1.251	ppbv		99
11) Trichlorofluoromethane	4.00	101	42520	0.245	ppbv		98
13) Ethanol	3.65	45	2179812	180.305	ppbv		65
15) Acetone	3.90	43	1616720	13.915	ppbv		97
19) Isopropyl Alcohol	4.04	45	530620	7.220	ppbv	#	98
20) Methylene Chloride	4.41	84	54670	1.108	ppbv		93
26) Hexane	5.78	57	109003	1.137	ppbv	#	75
34) 2-Butanone	5.34	43	49012	0.429	ppbv		100
36) Benzene	7.00	78	21734m	0.136	ppbv		
53) Toluene	9.94	91	353293	1.904	ppbv		100
79) Naphthalene	22.42	128	61403m	0.240	ppbv		

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

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Instrument :
MSVOA_L
ClientSampleId :
A-2

Manual Integrations APPROVED
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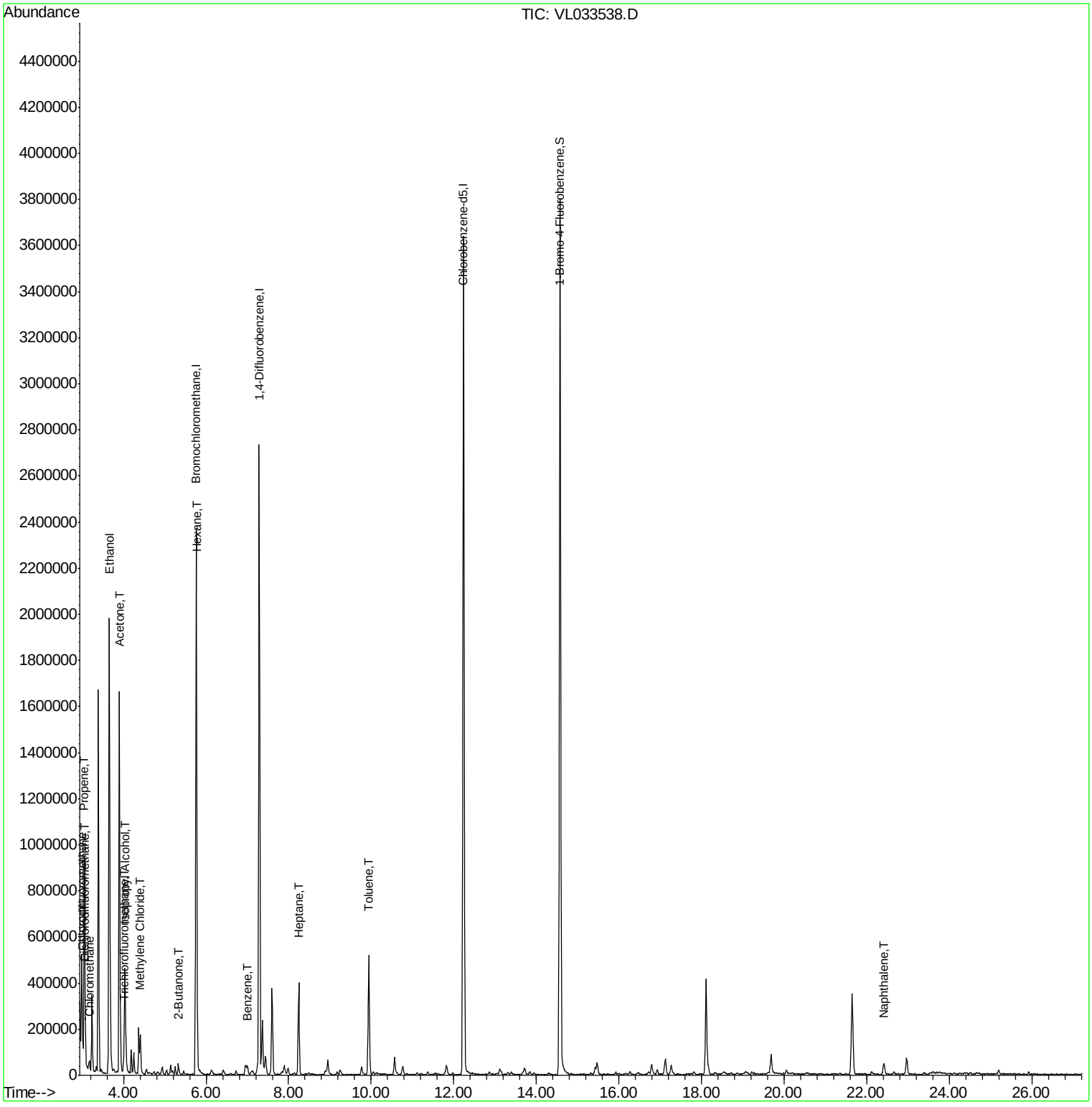
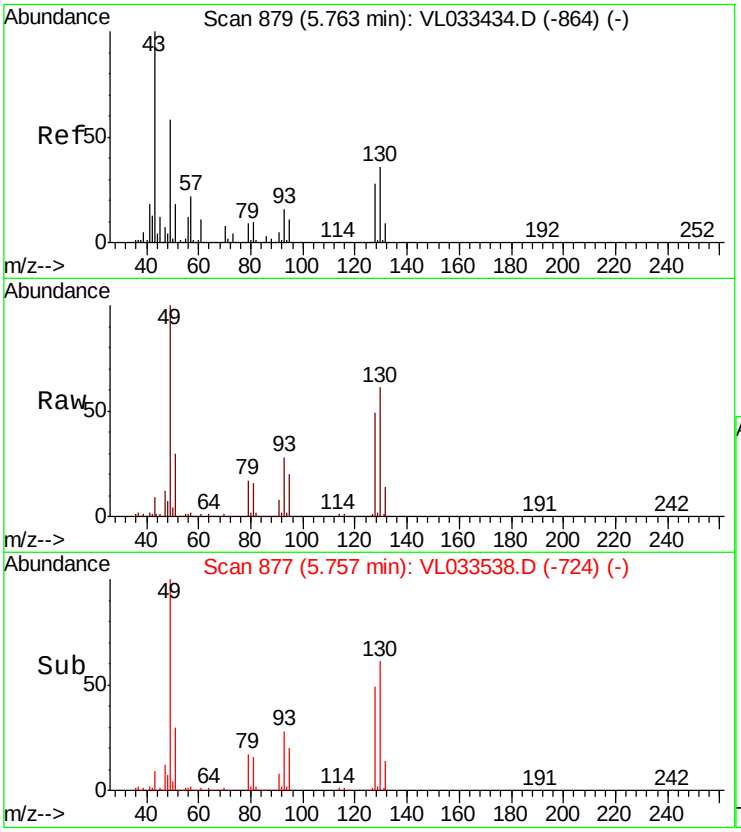
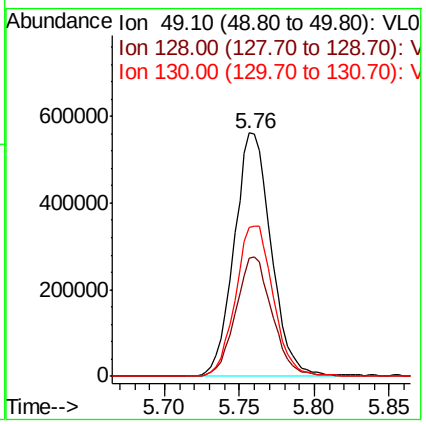




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 49 Resp: 966311

Ion	Ratio	Lower	Upper
49	100		
128	48.8	24.0	72.0
130	62.9	31.2	93.6



Instrument :
MSVOA_L
ClientSampleId :
A-2

Manual Integrations APPROVED
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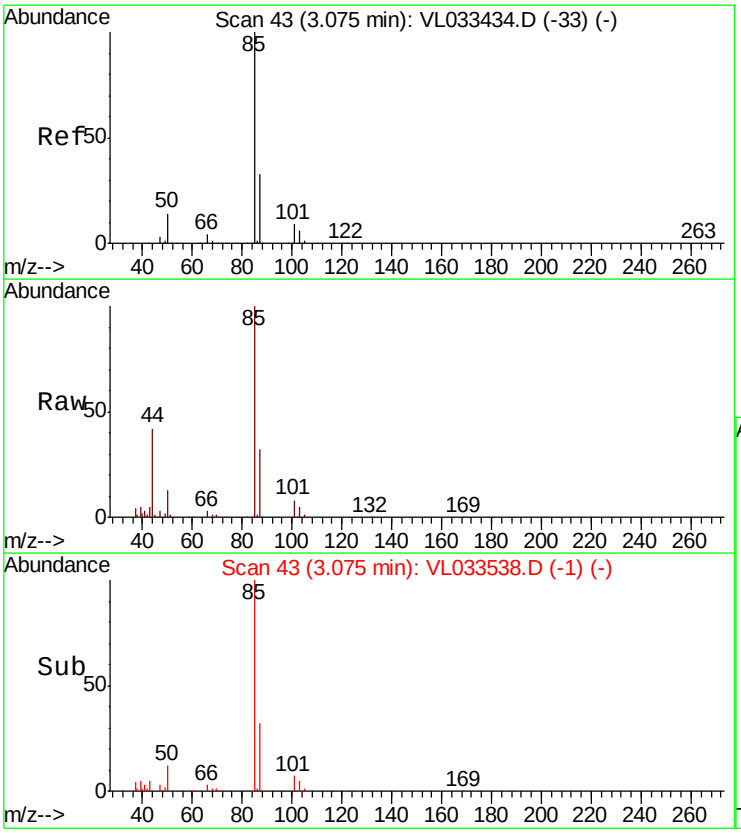
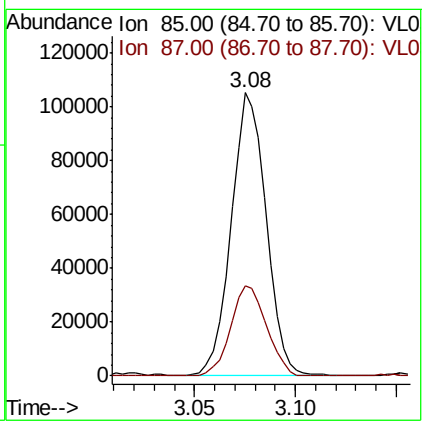
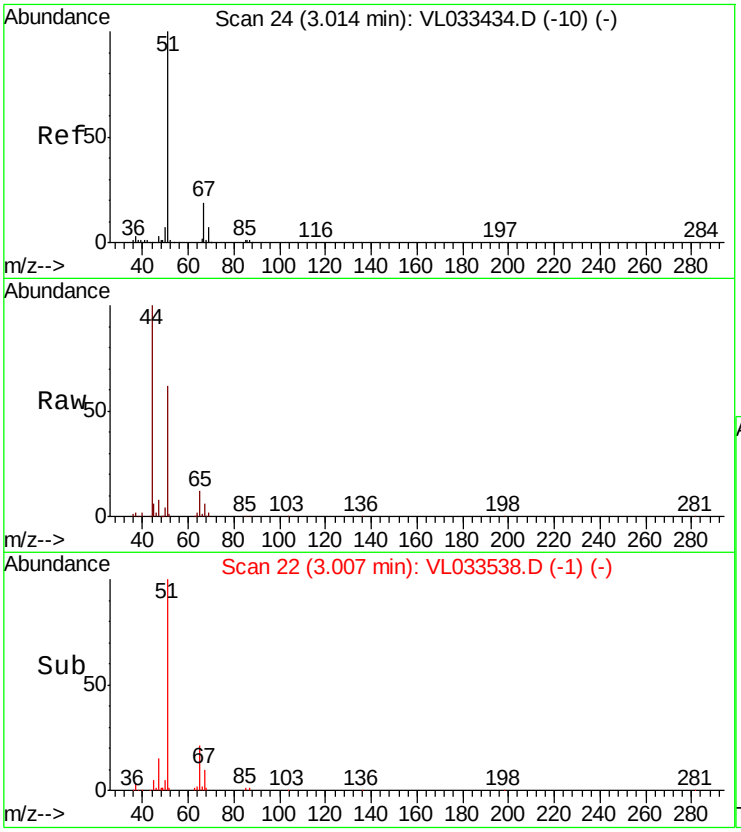


#2
Dichlorodifluoromethane
Concen: 0.908 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 85 Resp: 127921

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.7	40.1

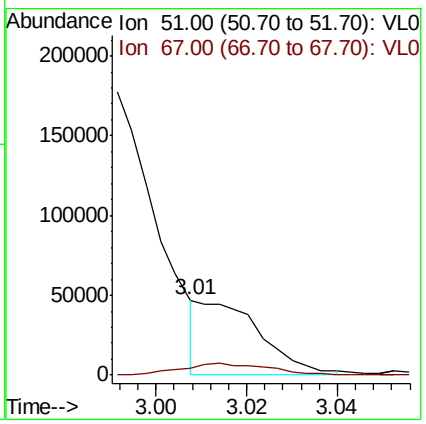




#3
Chlorodifluoromethane
Concen: 0.393 ppbv m
RT: 3.01 min Scan# 22
Delta R.T. -0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 51 Resp: 43769

Ion	Ratio	Lower	Upper
51	100		
67	22.7	15.7	23.5



Instrument :
MSVOA_L
ClientSampleId :
A-2

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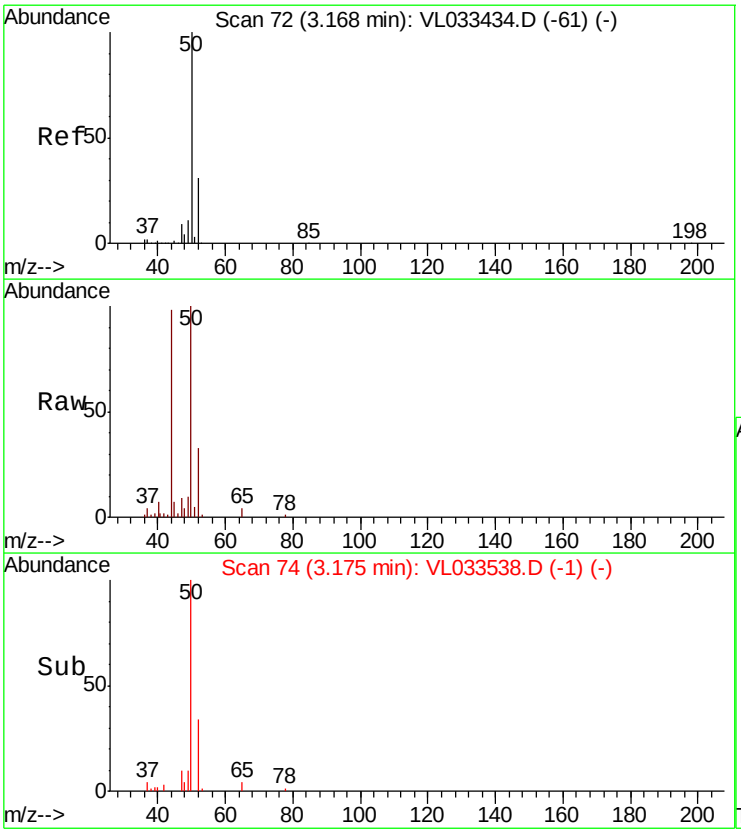
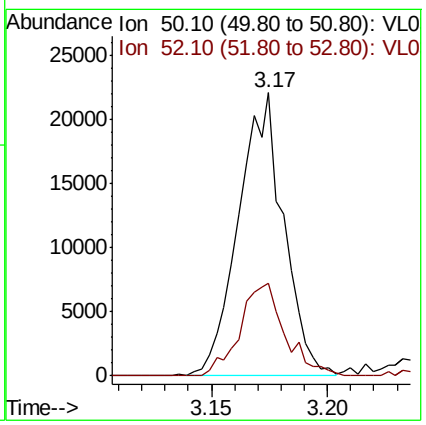
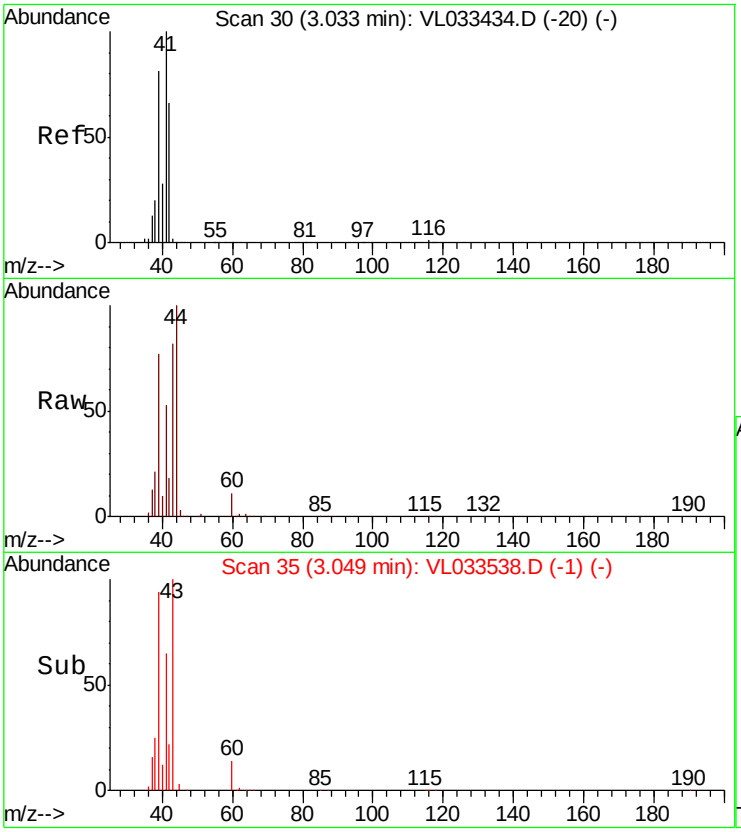


#4
Chloromethane
Concen: 0.507 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 50 Resp: 29838

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.0	37.6





#9
Propene
Concen: 3.519 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.02 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 41 Resp: 164412

Ion	Ratio	Lower	Upper
41	100		
42	35.7	53.9	80.9#

Instrument :
MSVOA_L
ClientSampleId :
A-2

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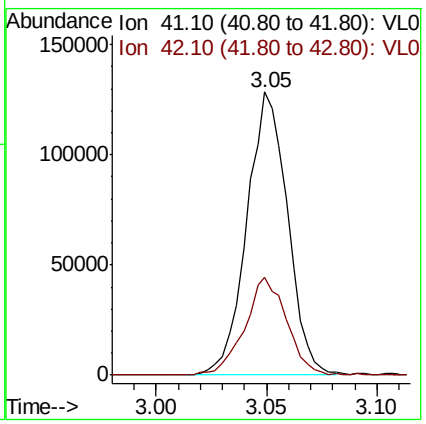
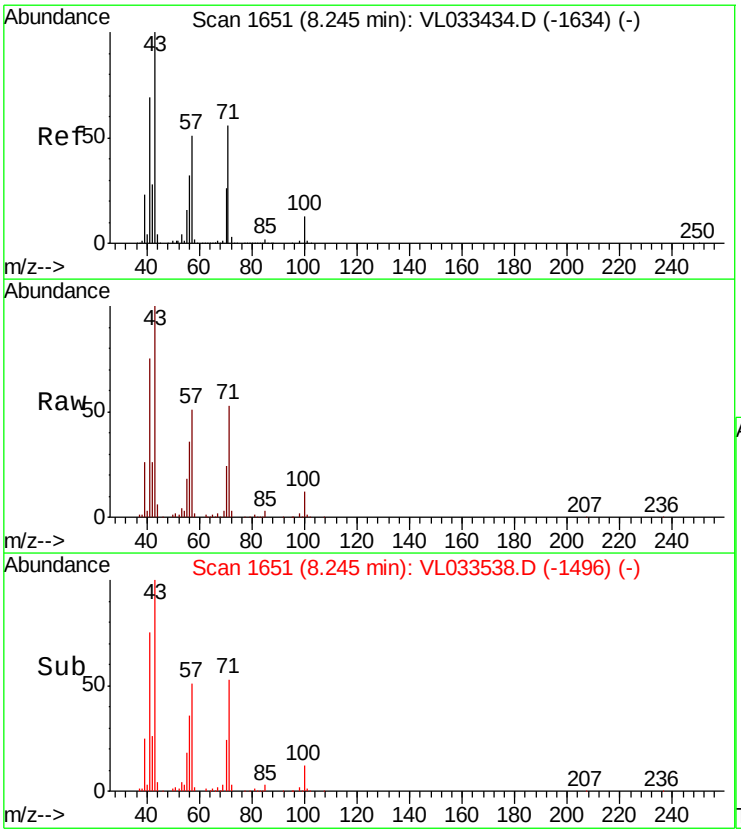
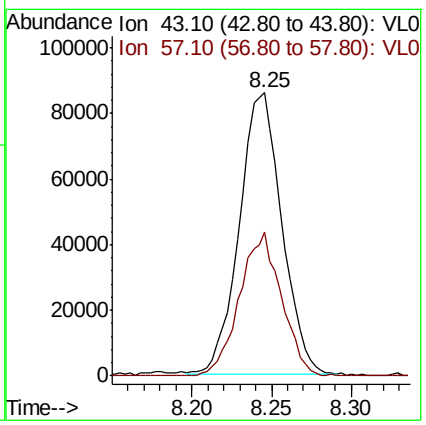


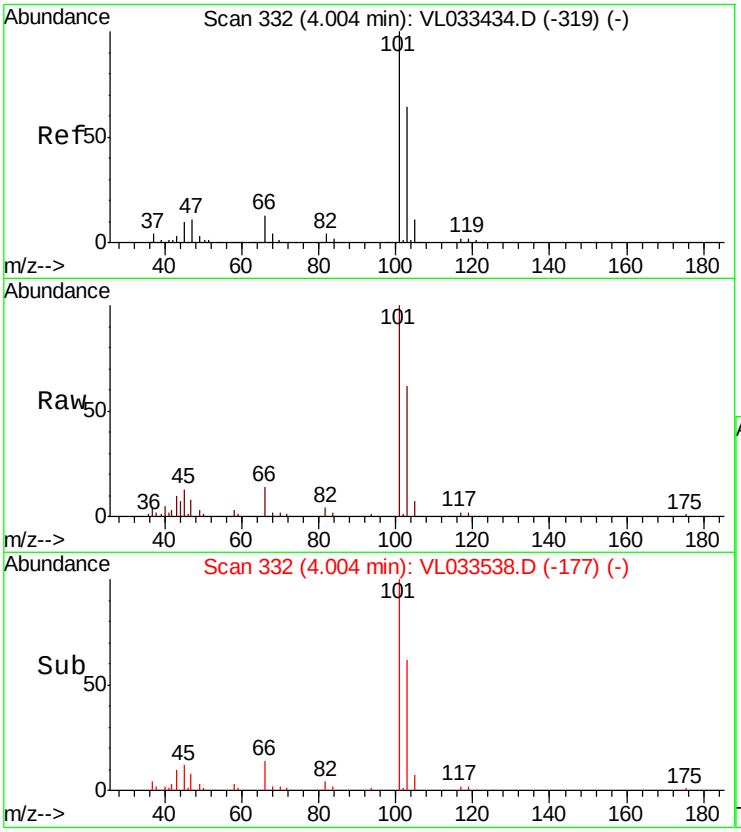


#10
Heptane
Concen: 1.251 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 43 Resp: 156172

Ion	Ratio	Lower	Upper
43	100		
57	49.9	40.6	60.8

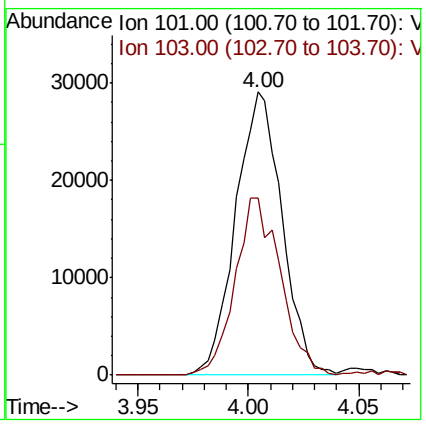




#11
Trichlorofluoromethane
Concen: 0.245 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion:101 Resp: 42520

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.3	76.9



Instrument :
MSVOA_L
ClientSampleId :
A-2

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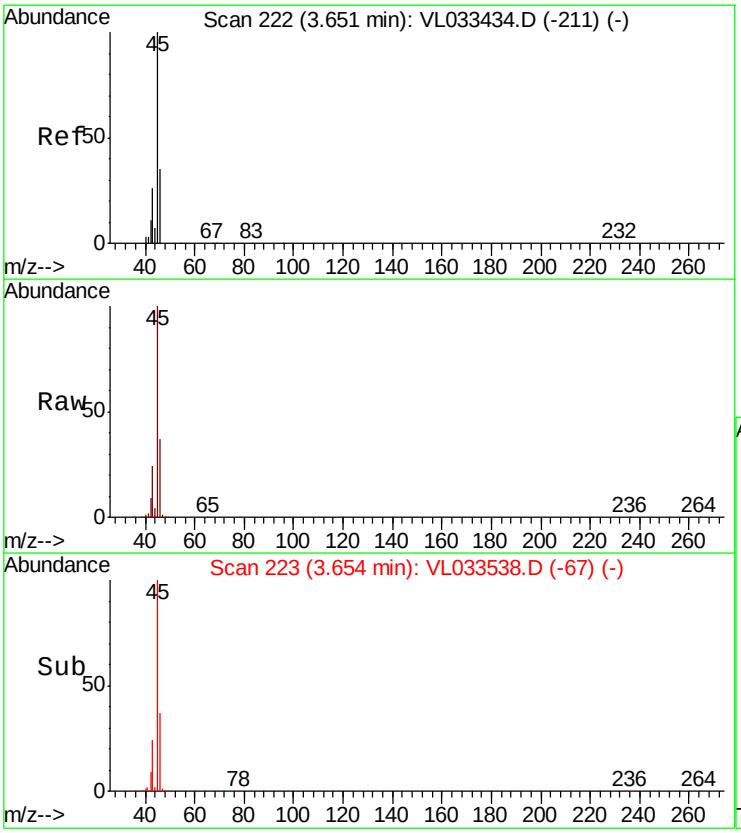
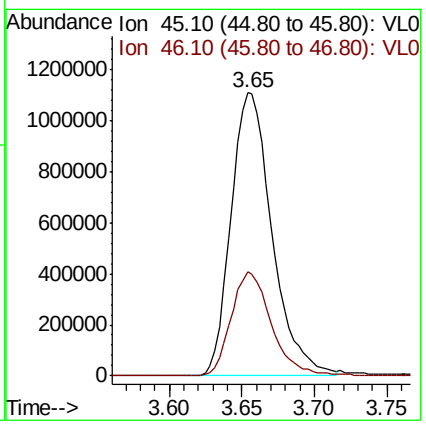
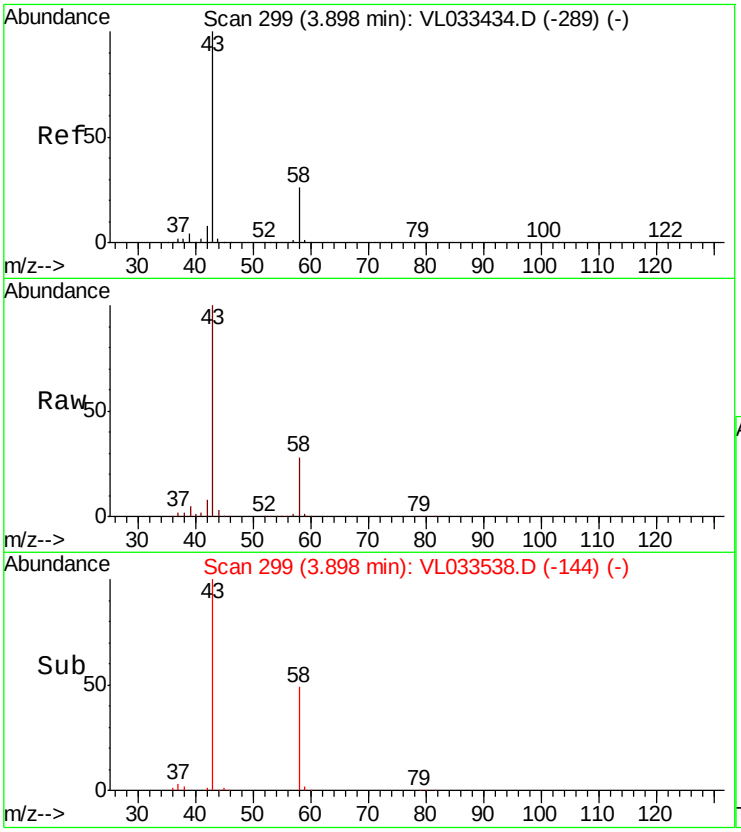


#13
Ethanol
Concen: 180.305 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 45 Resp: 2179812

Ion	Ratio	Lower	Upper
45	100		
46	36.2	25.4	101.8

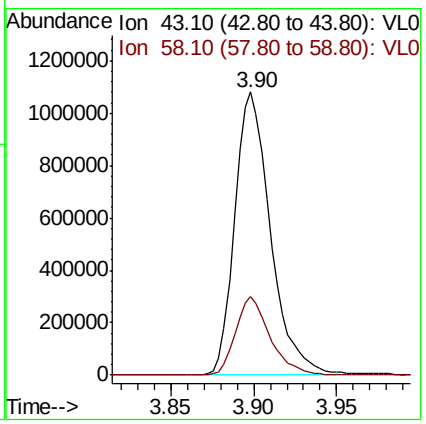




#15
Acetone
Concen: 13.915 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 43 Resp: 1616720

Ion	Ratio	Lower	Upper
43	100		
58	27.0	20.5	30.7



Instrument :
MSVOA_L
ClientSampleId :
A-2

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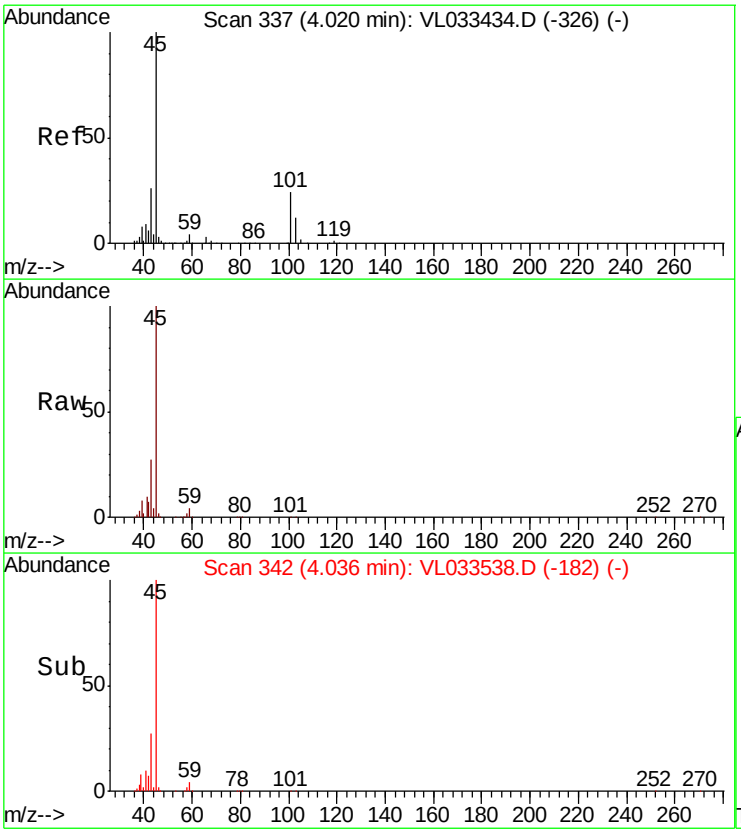
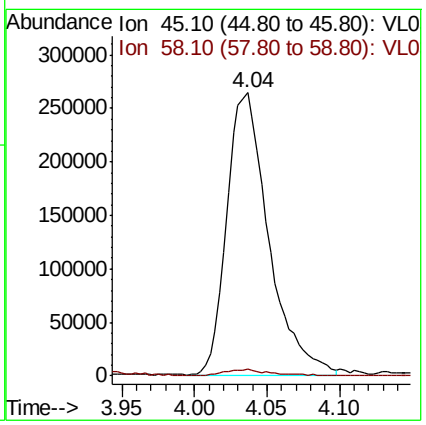
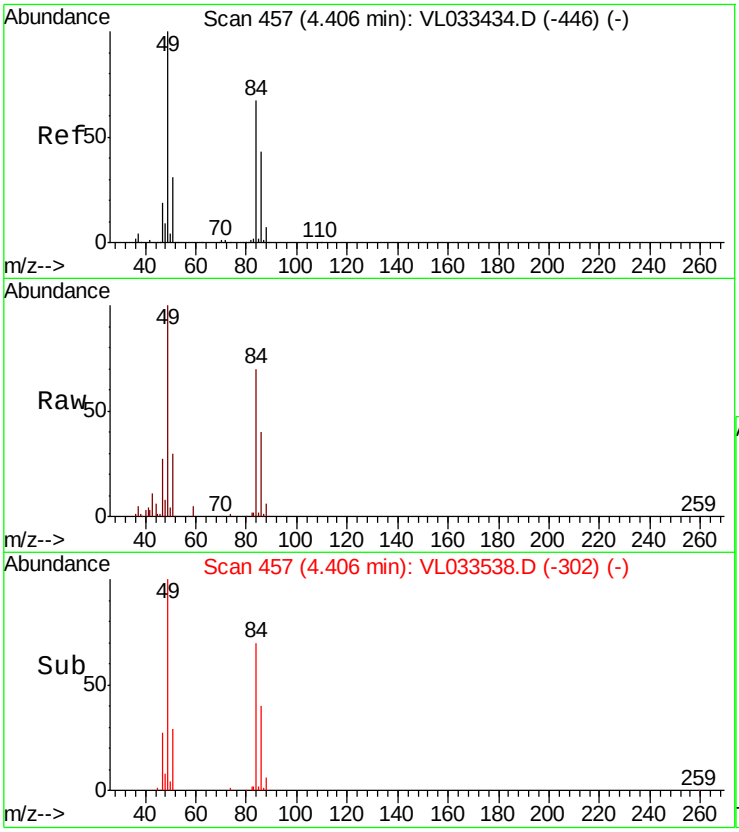


#19
Isopropyl Alcohol
Concen: 7.220 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.02 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 45 Resp: 530620

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.4	2.2#

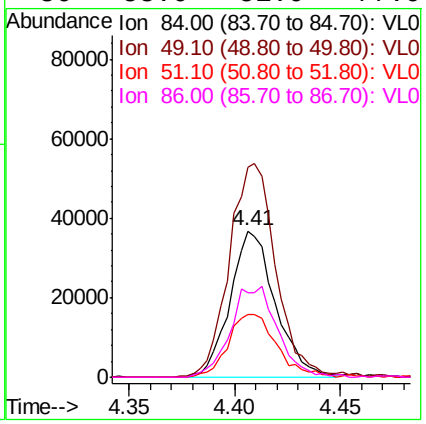




#20
Methylene Chloride
Concen: 1.108 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 84 Resp: 54670

Ion	Ratio	Lower	Upper
84	100		
49	142.1	120.0	180.0
51	42.7	36.7	55.1
86	58.0	51.9	77.9



Instrument :
MSVOA_L
ClientSampleId :
A-2

Manual Integrations APPROVED
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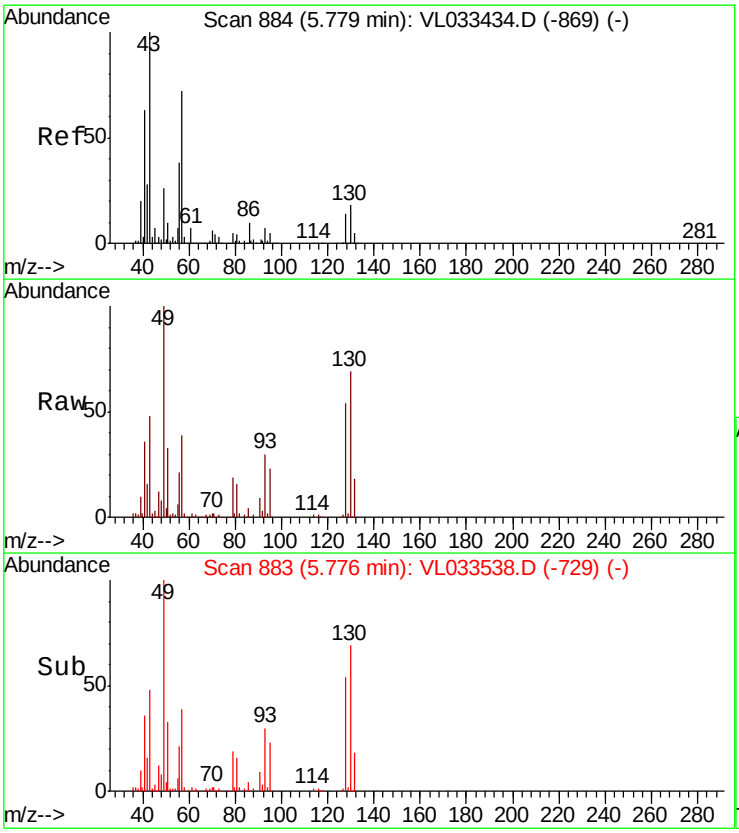
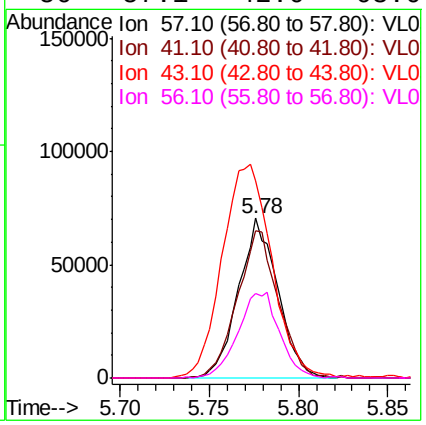
4/8/2019 3:22:18 AM

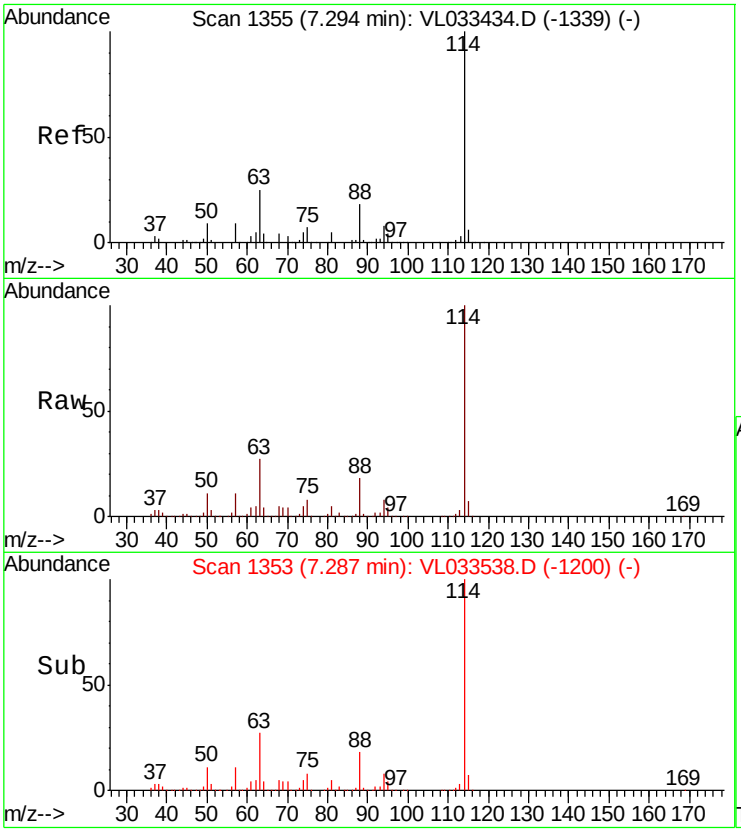


#26
Hexane
Concen: 1.137 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 57 Resp: 109003

Ion	Ratio	Lower	Upper
57	100		
41	96.6	70.7	106.1
43	170.6	182.6	274.0#
56	57.1	42.0	63.0

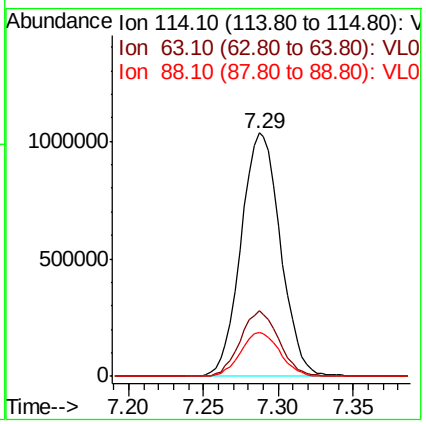




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion:114 Resp: 1903488

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	17.9	14.5	21.7



Instrument :
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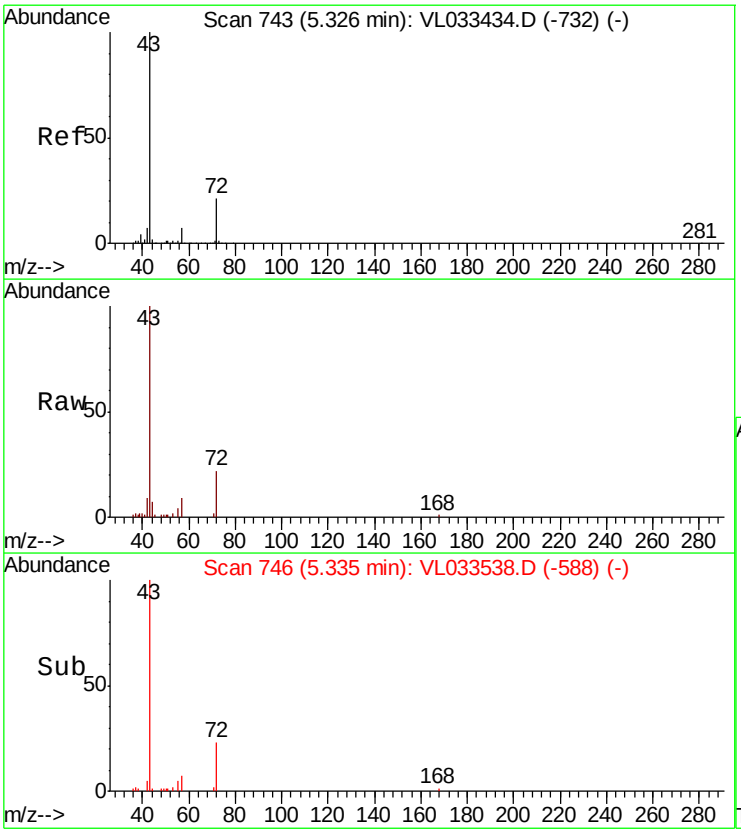
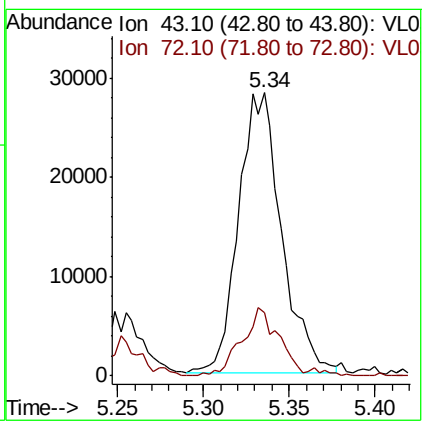
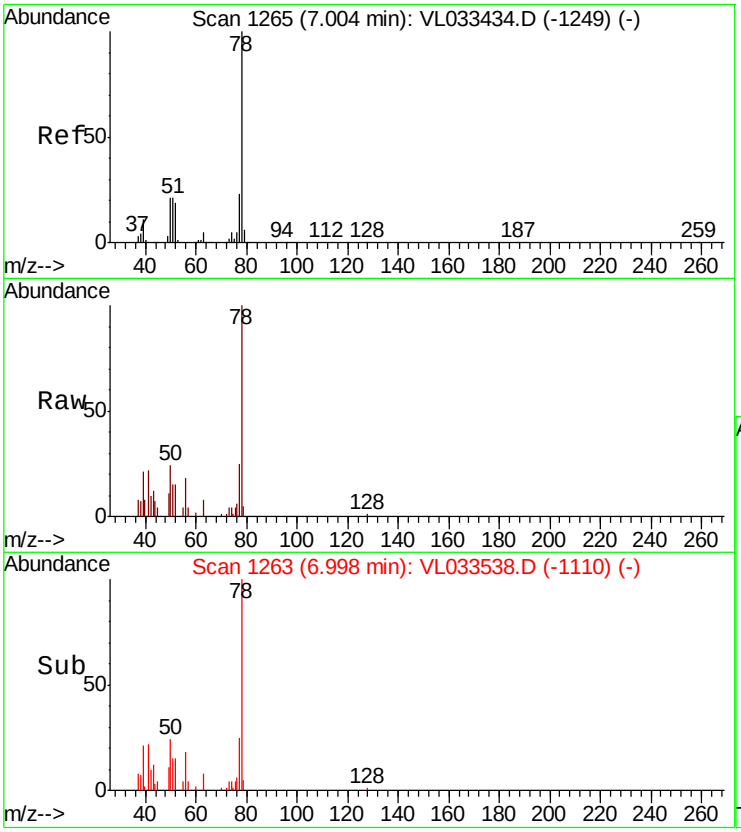


#34
2-Butanone
Concen: 0.429 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 43 Resp: 49012

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.4	26.2

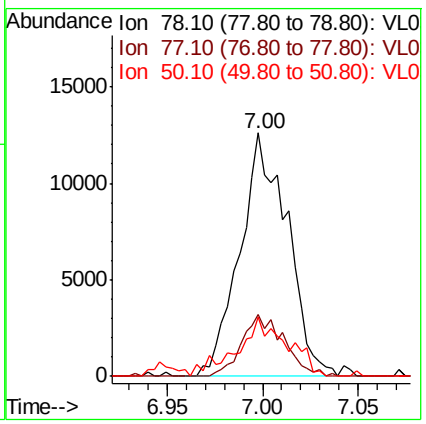




#36
Benzene
Concen: 0.136 ppbv m
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 78 Resp: 21734

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.1	27.1
50	24.2	16.7	25.1



Instrument :
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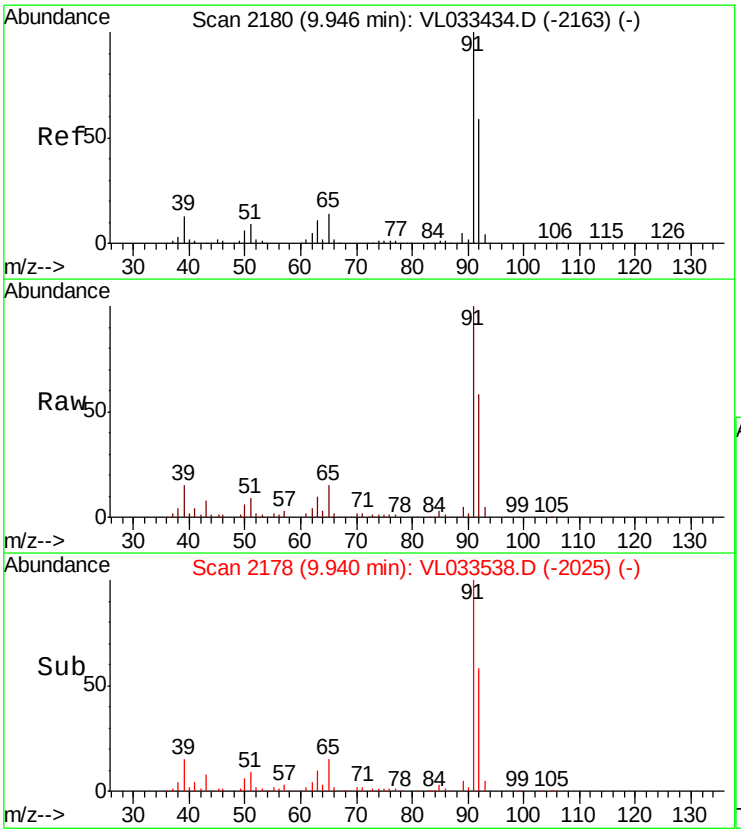
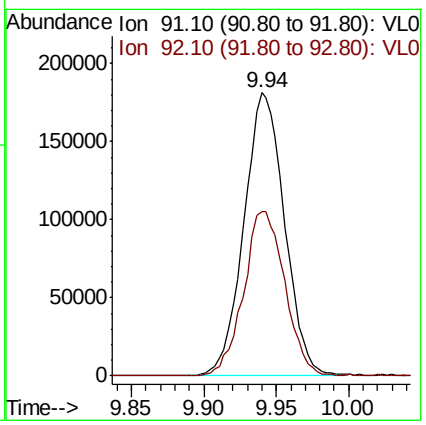
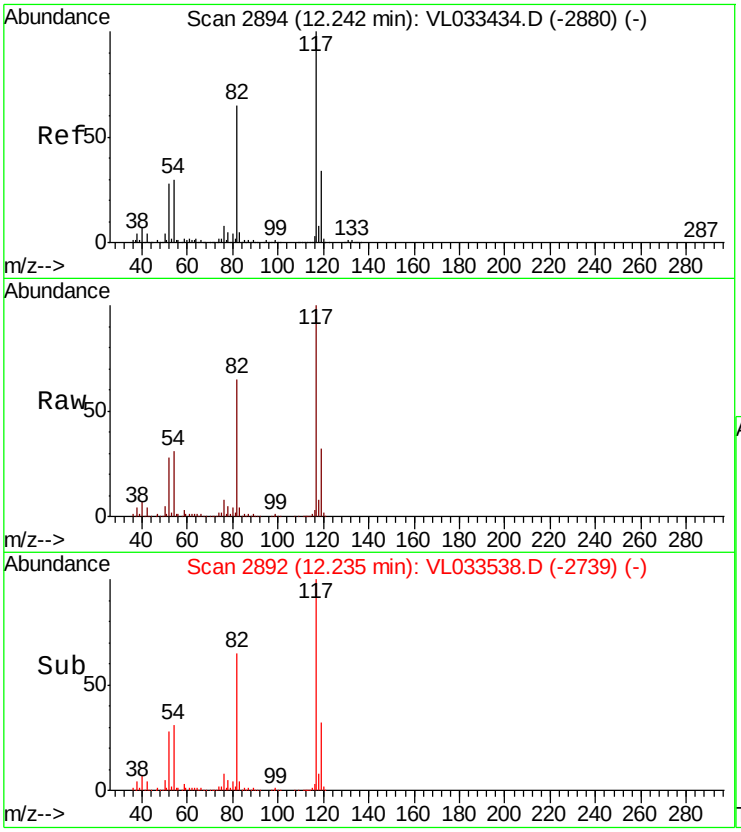


#53
Toluene
Concen: 1.904 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 91 Resp: 353293

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.4	71.0

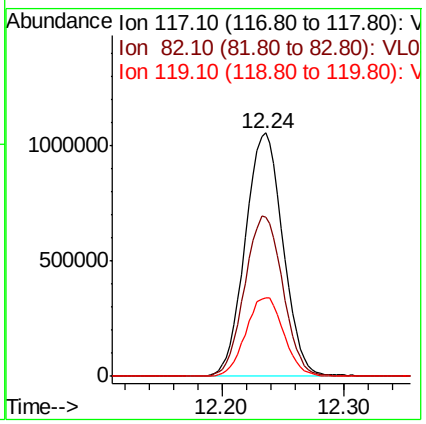




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

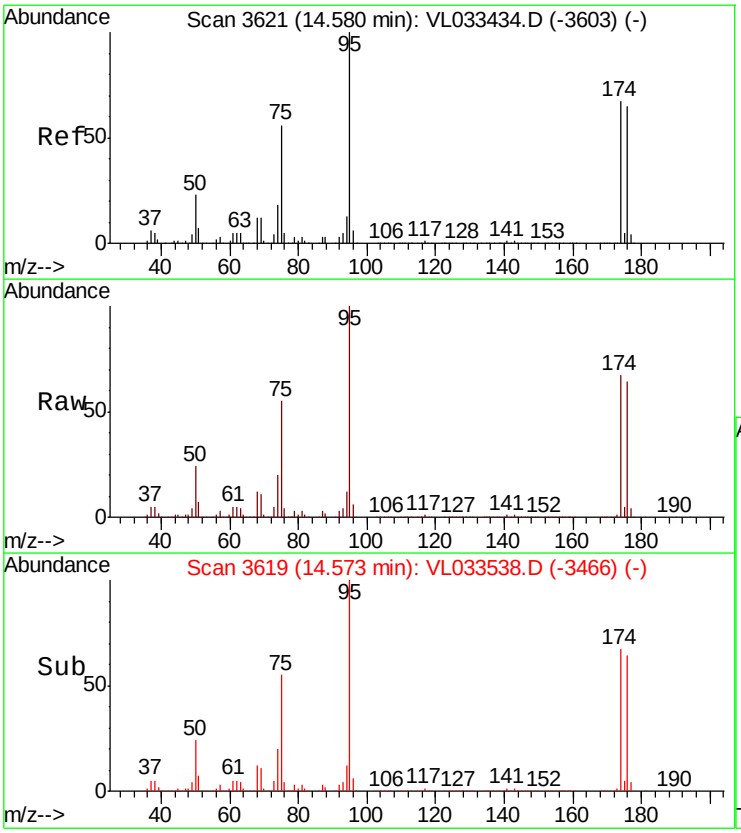
Tgt Ion:117 Resp: 2247872

Ion	Ratio	Lower	Upper
117	100		
82	67.0	51.5	77.3
119	32.6	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
A-2

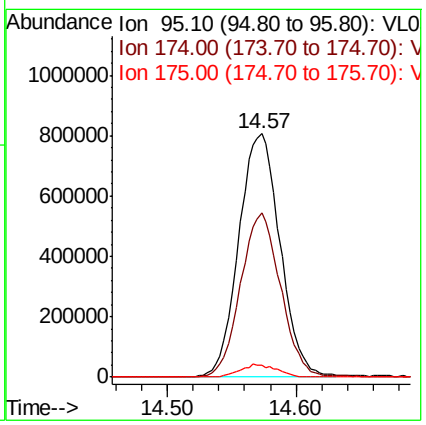
Manual Integrations APPROVED
MMDadoda
4/8/2019 3:22:18 AM

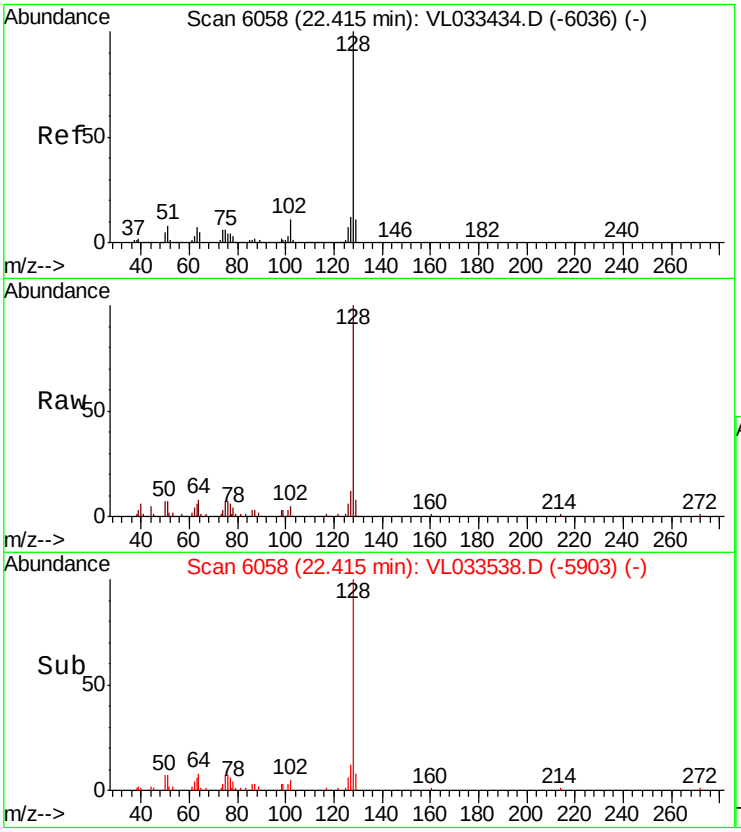


#68
1-Bromo-4-Fluorobenzene
Concen: 10.197 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion: 95 Resp: 1796973

Ion	Ratio	Lower	Upper
95	100		
174	66.2	52.9	79.3
175	4.7	3.8	5.6

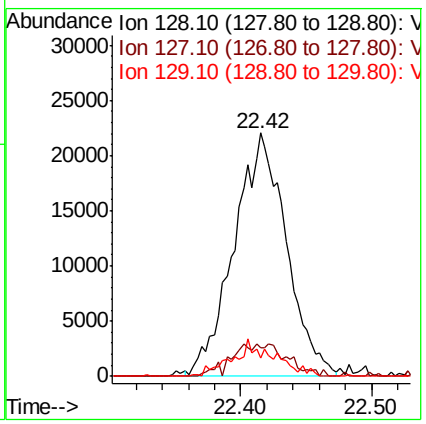




#79
Naphthalene
Concen: 0.240 ppbv m
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033538.D
Acq: 4 Apr 2019 18:22

Tgt Ion:128 Resp: 61403

Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.8
129	7.6	8.6	12.8#



Instrument :
MSVOA_L
ClientSampleId :
A-2

Manual Integrations APPROVED
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4/8/2019 3:22:18 AM