Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\
Data File : VL033550.D
Acq On : 5 Apr 2019 2:12
Operator : SY/AP
Sample : K2226-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV5

Manual Integrations APPROVED
MMDadoda
4/8/2019 3:22:28 AM

Quant Time: Apr 05 03:41:01 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	1028542	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2218686	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2579419	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2111692	10.44	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	77317	0.515	ppbv		93
3) Chlorodifluoromethane	3.01	51	31477m	0.266	ppbv		
9) Propene	3.03	41	548684	11.034	ppbv		98
10) Heptane	8.24	43	24016	0.181	ppbv	#	85
11) Trichlorofluoromethane	4.01	101	40599	0.220	ppbv		91
13) Ethanol	3.65	45	283409	22.024	ppbv		66
15) Acetone	3.90	43	3385327	27.373	ppbv		94
19) Isopropyl Alcohol	4.04	45	38254	0.489	ppbv	#	95
20) Methylene Chloride	4.41	84	340976	6.495	ppbv		95
26) Hexane	5.78	57	253641	2.486	ppbv	#	37
27) Carbon Disulfide	4.62	76	18817	0.155	ppbv	#	46
34) 2-Butanone	5.33	43	929036	6.969	ppbv		100
36) Benzene	7.00	78	76471	0.411	ppbv	#	92
51) 2-Hexanone	10.27	43	425025	2.919	ppbv	#	99
52) Tetrachloroethene	11.36	164	25010	0.356	ppbv		89
53) Toluene	9.94	91	480302	2.220	ppbv		99
58) Ethyl Benzene	12.86	91	68646m	0.199	ppbv		
59) m/p-Xylene	13.11	91	238436	0.775	ppbv	#	100
60) o-Xylene	13.84	91	137968m	0.464	ppbv		
61) Styrene	13.68	104	50529	0.247	ppbv		94
73) 1,3,5-Trimethylbenzene	16.16	105	50382m	0.157	ppbv		
74) 1,2,4-Trimethylbenzene	16.92	105	213747	0.623	ppbv	#	77

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

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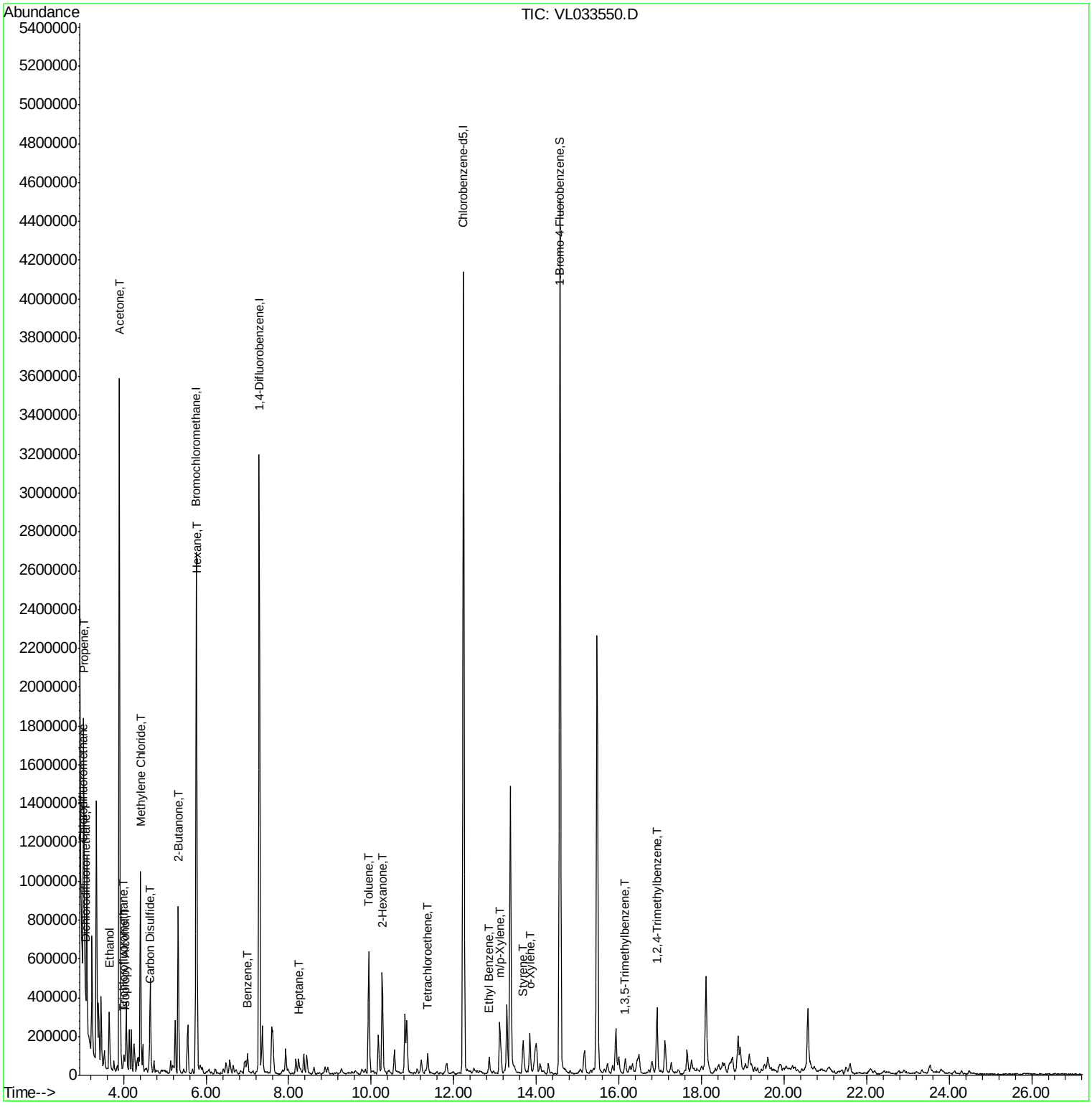
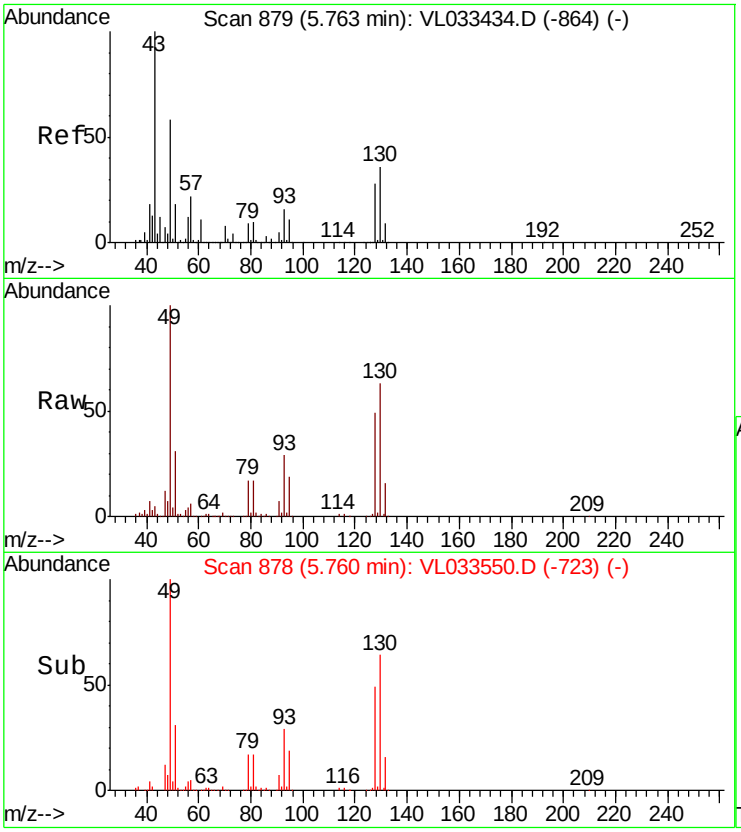
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SV5

Manual Integrations APPROVED
MMDadoda
4/8/2019 3:22:28 AM

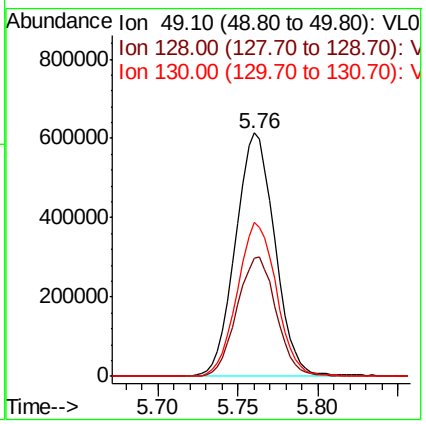




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

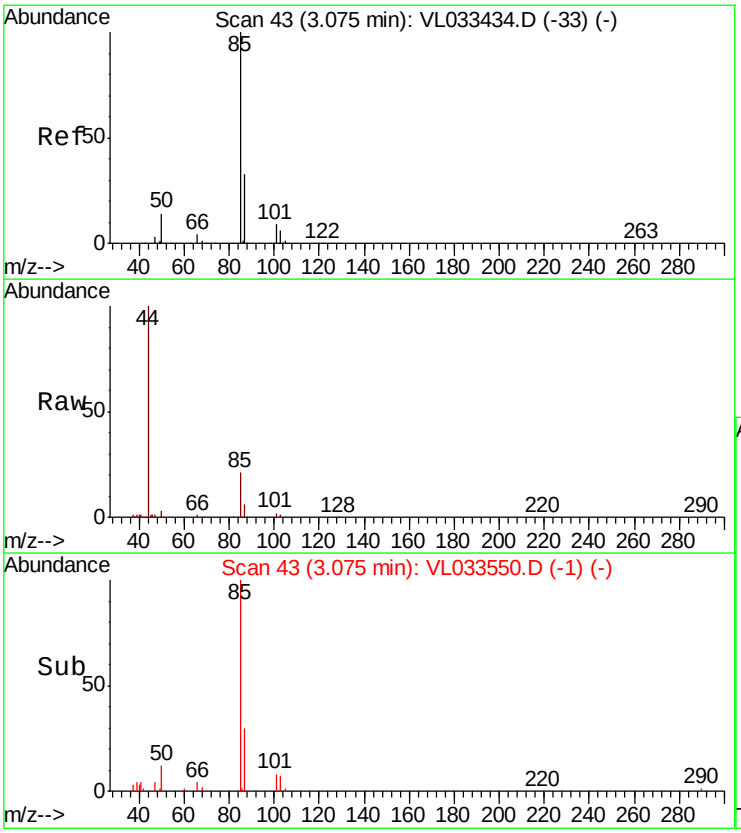
Tgt Ion: 49 Resp: 1028542

Ion	Ratio	Lower	Upper
49	100		
128	49.2	24.0	72.0
130	63.7	31.2	93.6



Instrument :
MSVOA_L
ClientSampleId :
SV5

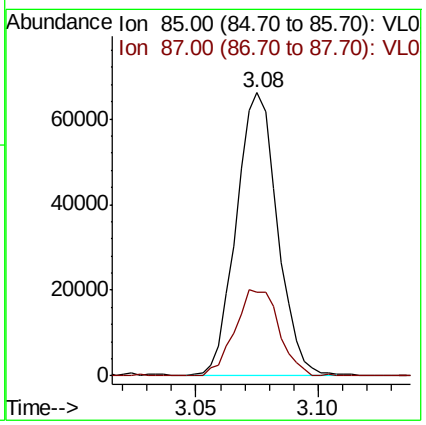
Manual Integrations APPROVED
MMDadoda
4/8/2019 3:22:28 AM

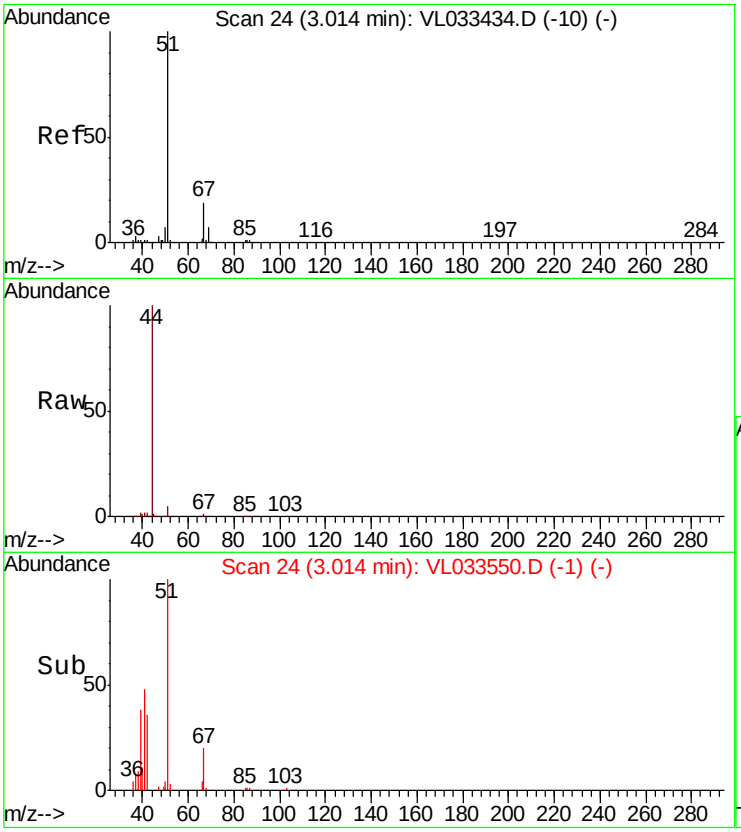


#2
Dichlorodifluoromethane
Concen: 0.515 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 85 Resp: 77317

Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.7	40.1

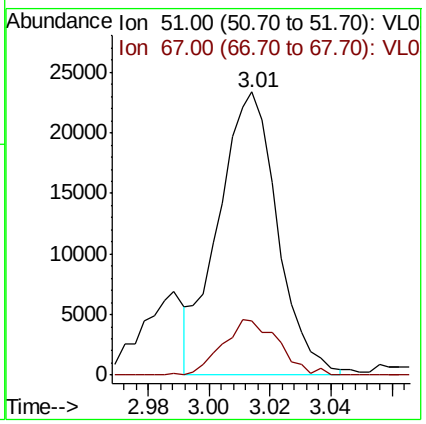




#3
Chlorodifluoromethane
Concen: 0.266 ppbv m
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

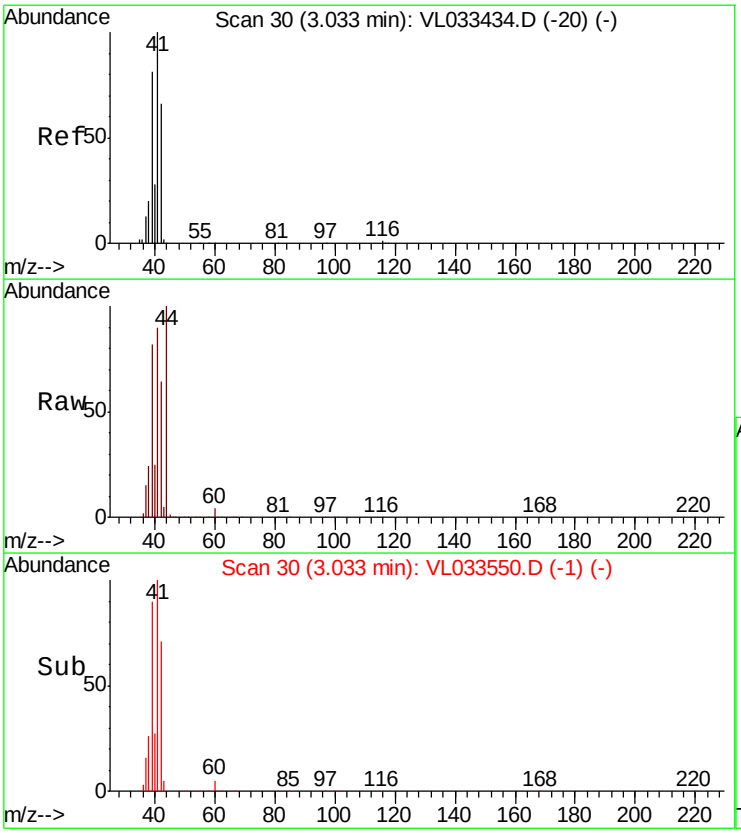
Tgt Ion: 51 Resp: 31477

Ion	Ratio	Lower	Upper
51	100		
67	18.7	15.7	23.5



Instrument :
MSVOA_L
ClientSampleId :
SV5

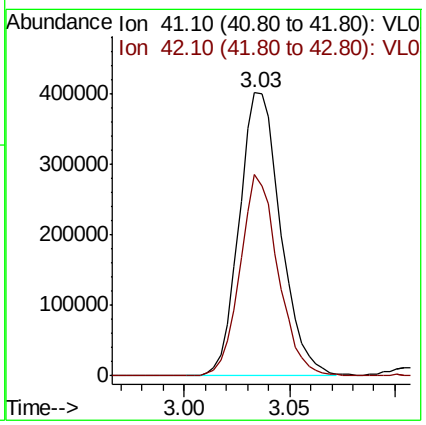
Manual Integrations APPROVED
MMDadoda
4/8/2019 3:22:28 AM

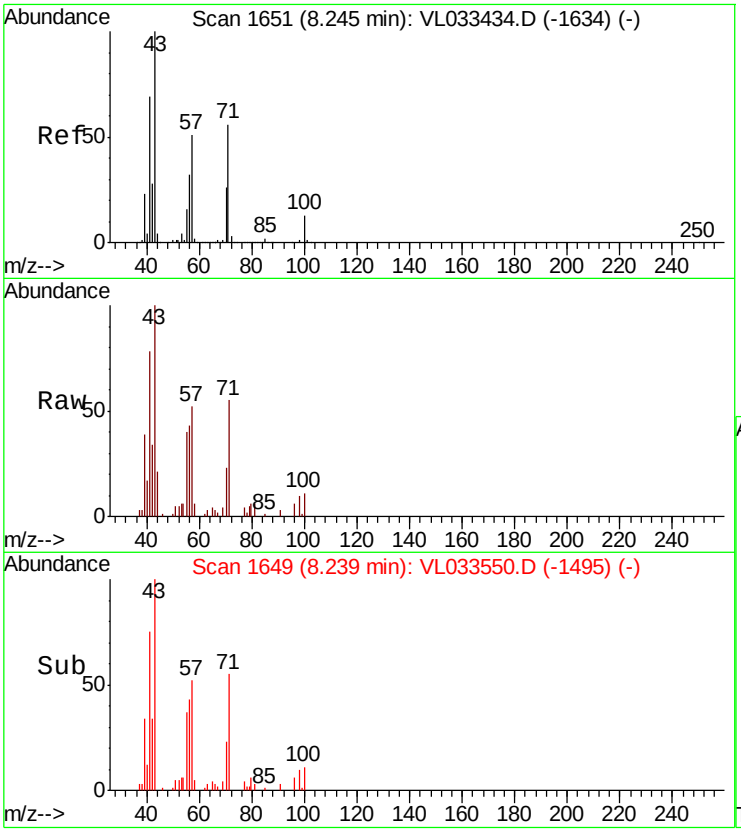


#9
Propene
Concen: 11.034 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 41 Resp: 548684

Ion	Ratio	Lower	Upper
41	100		
42	65.8	53.9	80.9

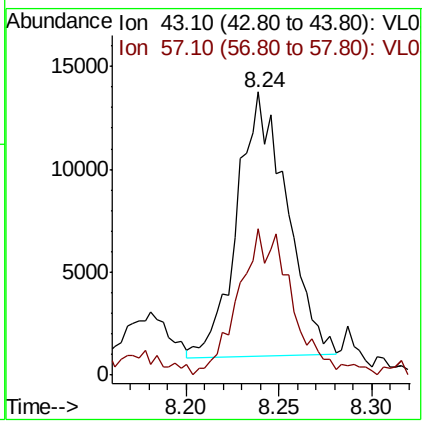




#10
Heptane
Concen: 0.181 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 43 Resp: 24016

Ion	Ratio	Lower	Upper
43	100		
57	61.1	40.6	60.8#



Instrument :
MSVOA_L
ClientSampleId :
SV5

Manual Integrations APPROVED
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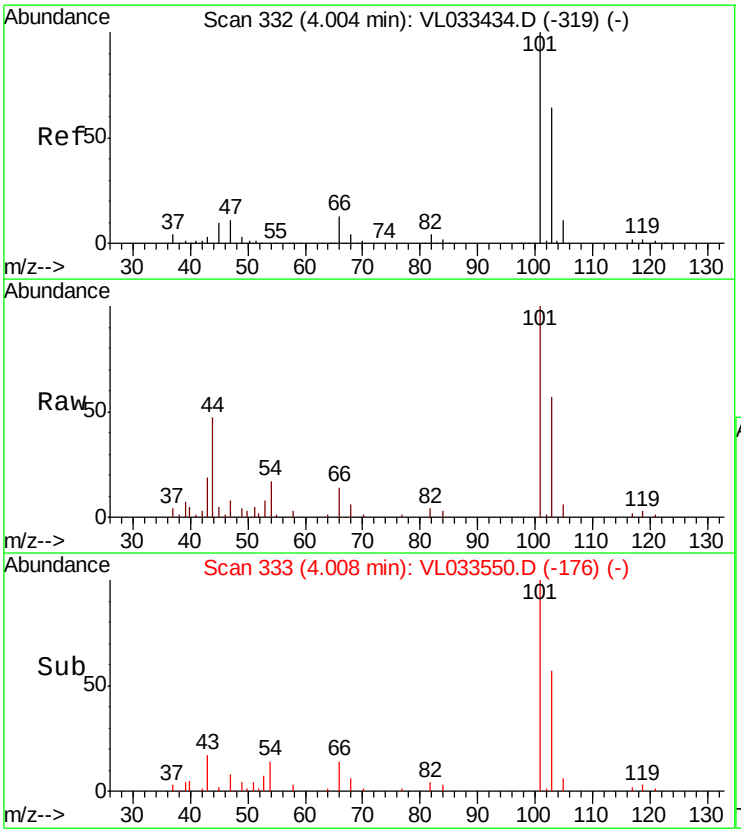
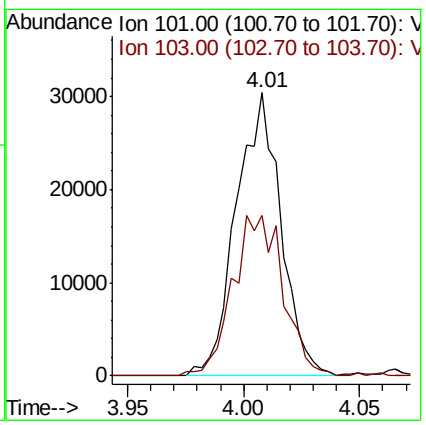
4/8/2019 3:22:28 AM

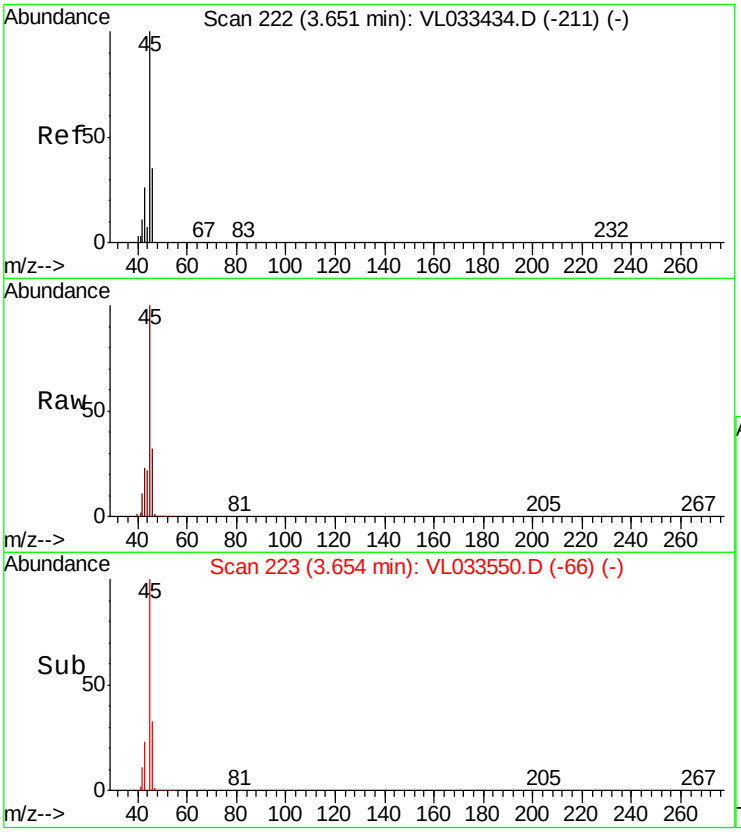


#11
Trichlorofluoromethane
Concen: 0.220 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion:101 Resp: 40599

Ion	Ratio	Lower	Upper
101	100		
103	56.9	51.3	76.9

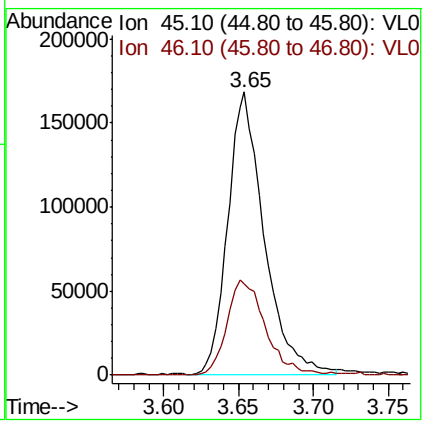




#13
Ethanol
Concen: 22.024 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 45 Resp: 283409

Ion	Ratio	Lower	Upper
45	100		
46	36.7	25.4	101.8



Instrument :
MSVOA_L
ClientSampleId :
SV5

Manual Integrations APPROVED
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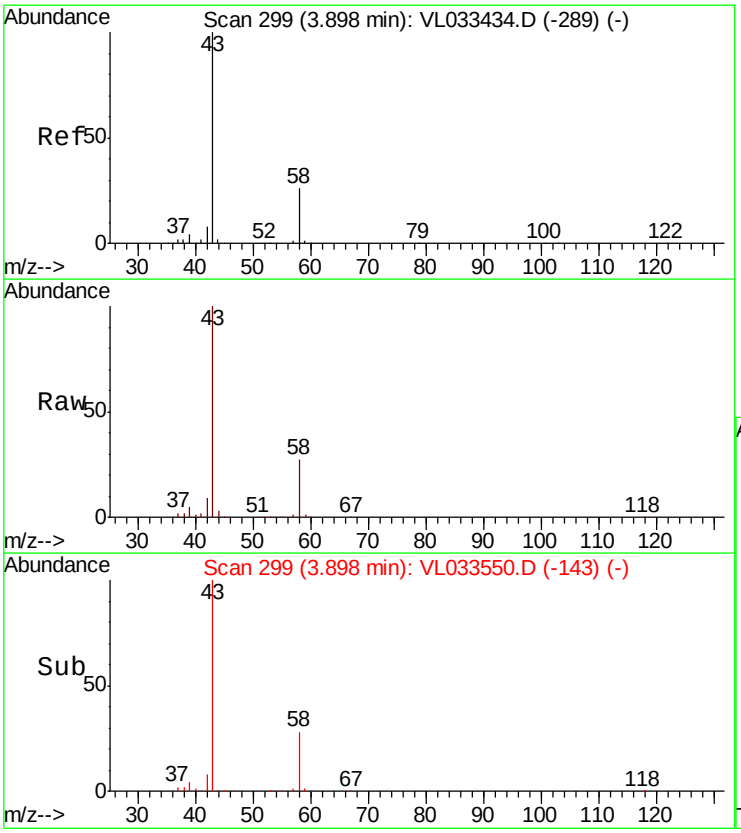
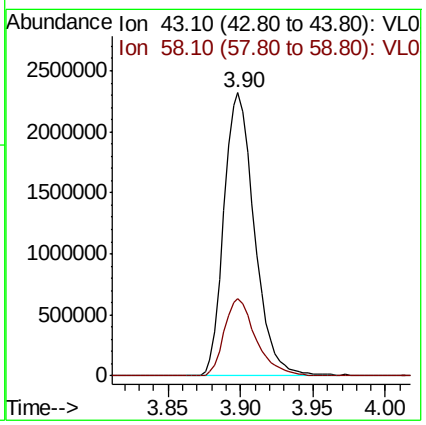
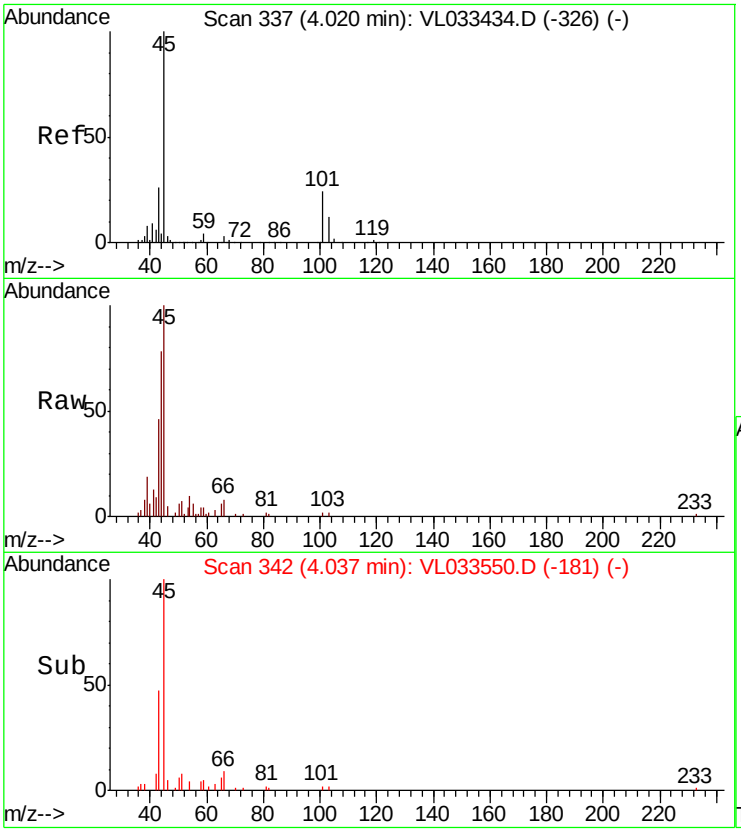


#15
Acetone
Concen: 27.373 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 43 Resp: 3385327

Ion	Ratio	Lower	Upper
43	100		
58	28.4	20.5	30.7





#19
Isopropyl Alcohol
Concen: 0.489 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.02 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 45 Resp: 38254

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

Instrument :
MSVOA_L
ClientSampleId :
SV5

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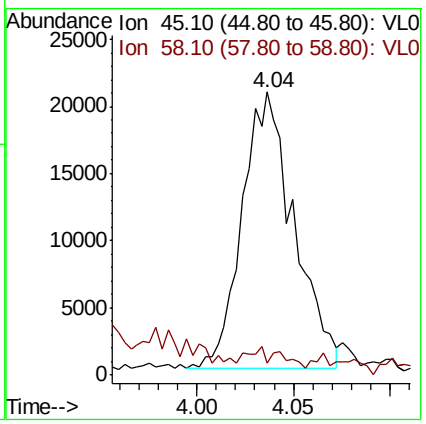
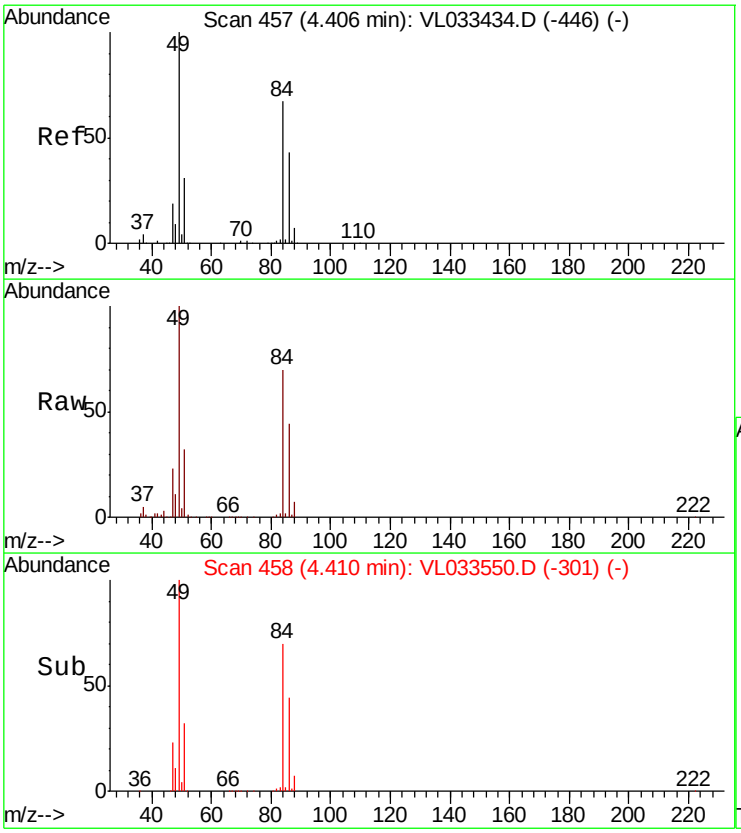
4/8/2019 3:22:28 AM

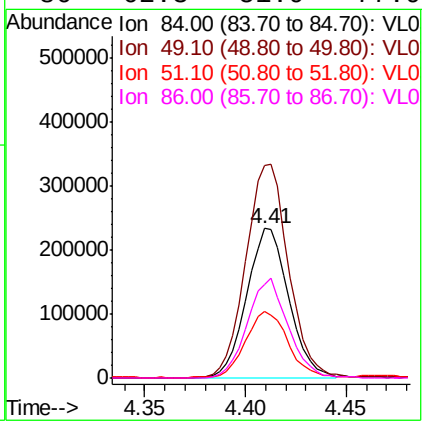


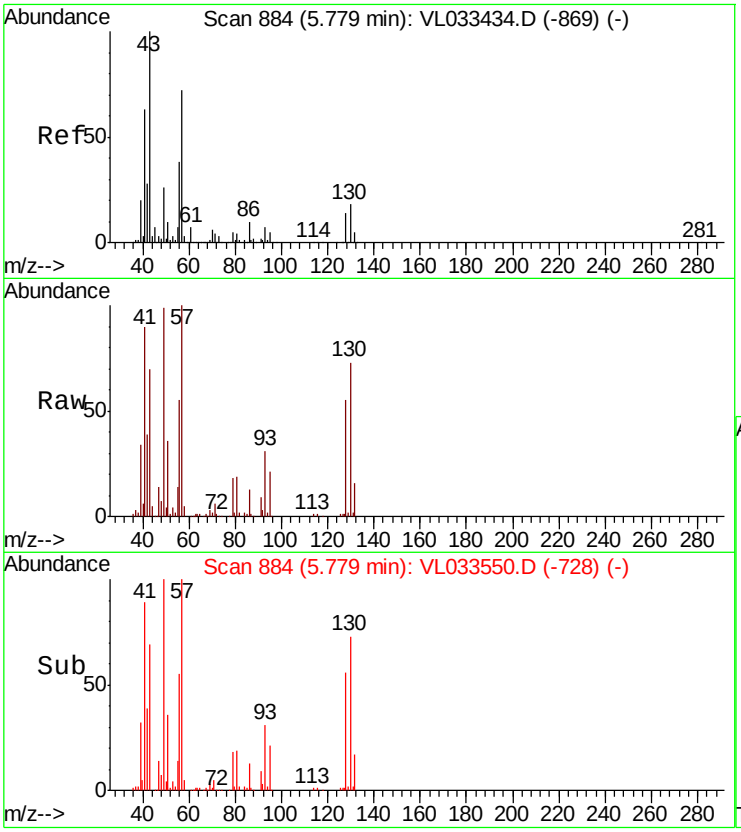


#20
Methylene Chloride
Concen: 6.495 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 84 Resp: 340976

Ion	Ratio	Lower	Upper
84	100		
49	142.3	120.0	180.0
51	44.6	36.7	55.1
86	62.3	51.9	77.9

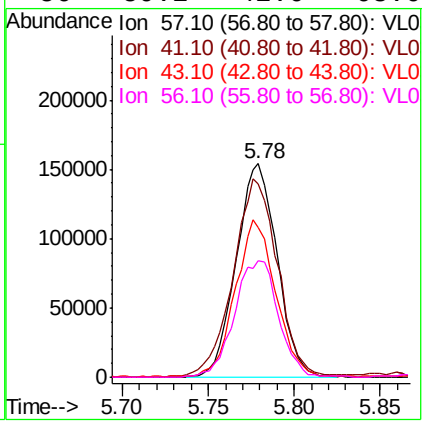




#26
Hexane
Concen: 2.486 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 57 Resp: 253641

Ion	Ratio	Lower	Upper
57	100		
41	100.8	70.7	106.1
43	72.5	182.6	274.0#
56	59.2	42.0	63.0



Instrument :
MSVOA_L
ClientSampleId :
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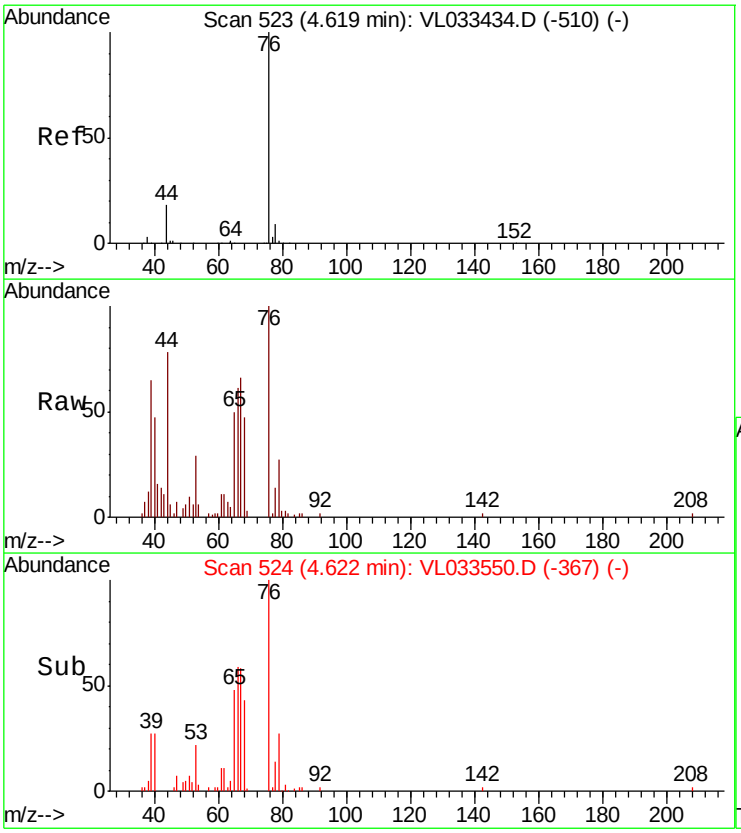
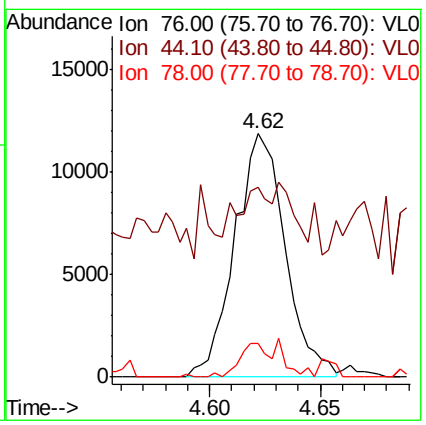
MMDadoda
4/8/2019 3:22:28 AM

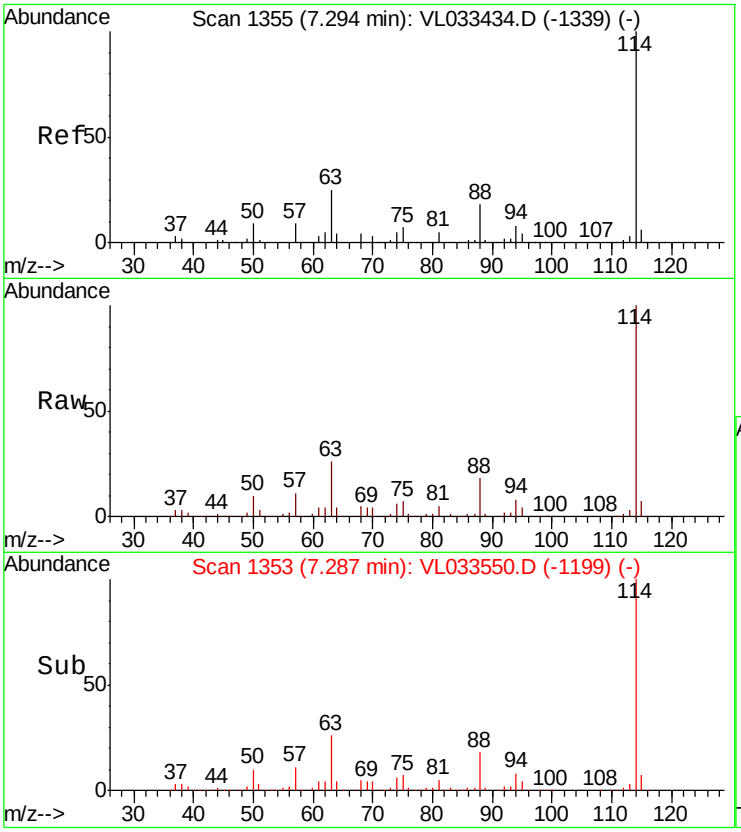


#27
Carbon Disulfide
Concen: 0.155 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 76 Resp: 18817

Ion	Ratio	Lower	Upper
76	100		
44	53.8	14.8	22.2#
78	11.4	7.6	11.4#

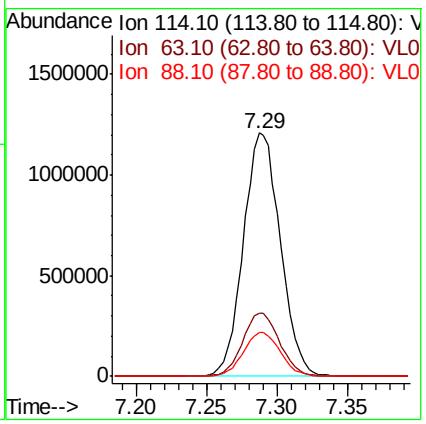




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion:114 Resp: 2218686

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.5	32.3
88	18.1	14.5	21.7



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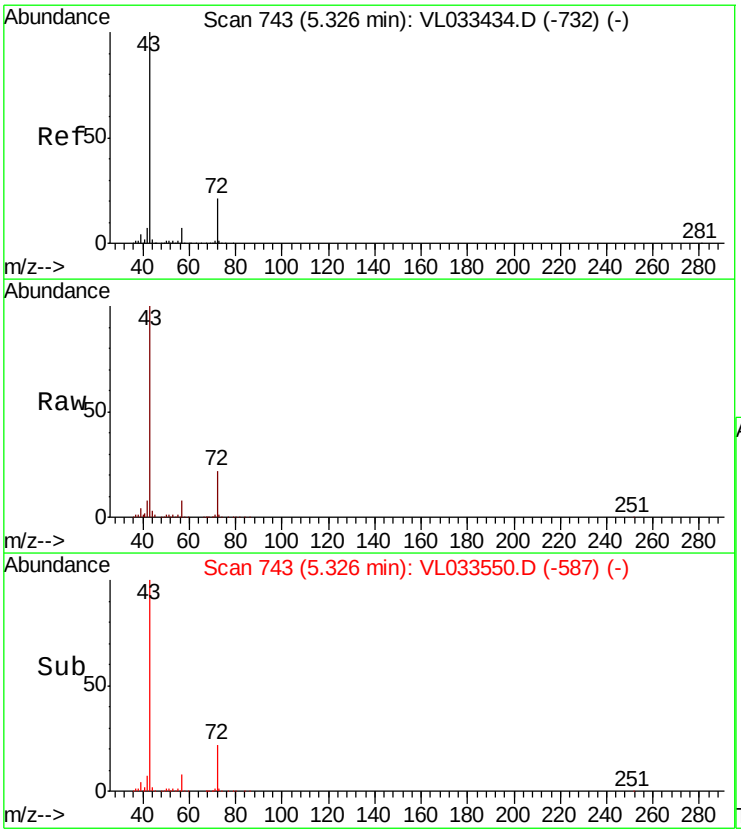
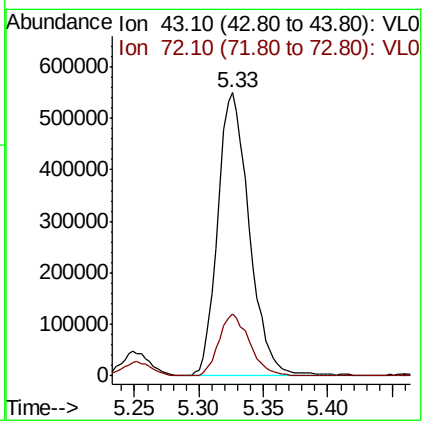
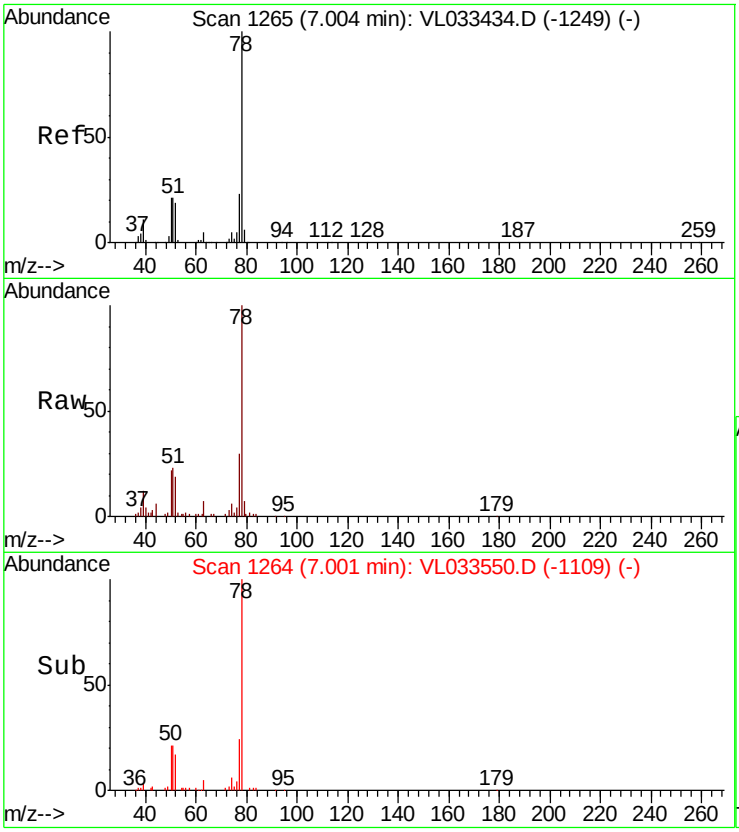


#34
2-Butanone
Concen: 6.969 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 43 Resp: 929036

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.2

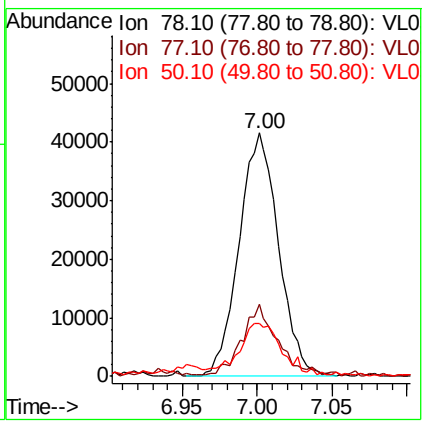




#36
Benzene
Concen: 0.411 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 78 Resp: 76471

Ion	Ratio	Lower	Upper
78	100		
77	29.0	18.1	27.1#
50	19.9	16.7	25.1



Instrument :
MSVOA_L
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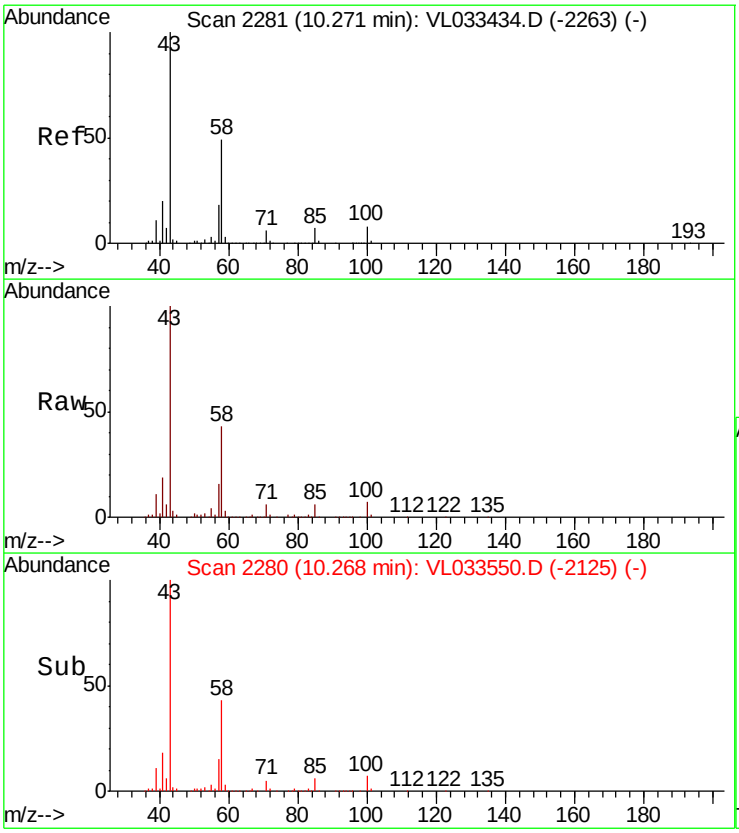
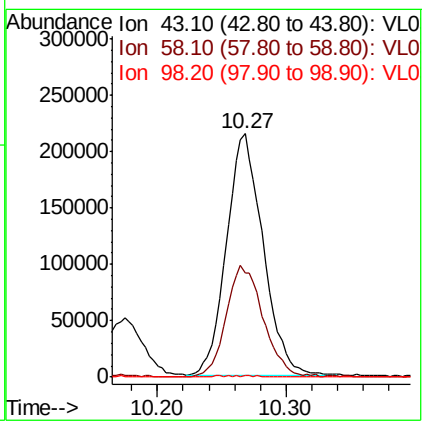
MMDadoda
4/8/2019 3:22:28 AM

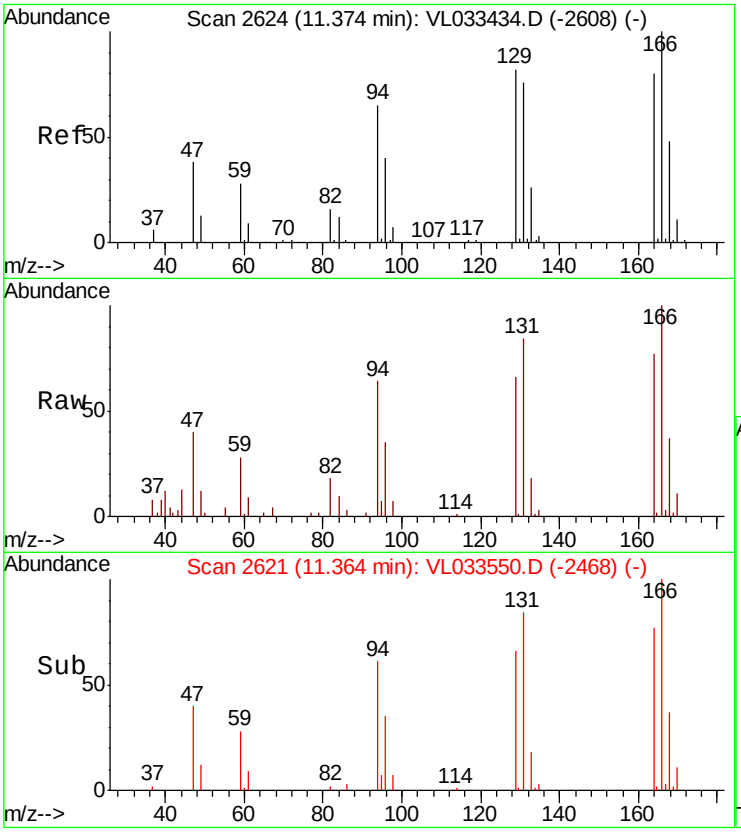


#51
2-Hexanone
Concen: 2.919 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. -0.00 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 43 Resp: 425025

Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.2	57.2
98	1.0	0.2	0.2#

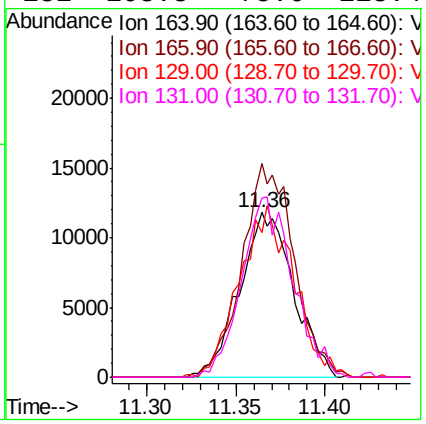




#52
Tetrachloroethene
Concen: 0.356 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion:164 Resp: 25010

Ion	Ratio	Lower	Upper
164	100		
166	129.4	99.5	149.3
129	85.6	81.4	122.2
131	108.3	75.6	113.4



Instrument :
MSVOA_L
ClientSampleId :
SV5

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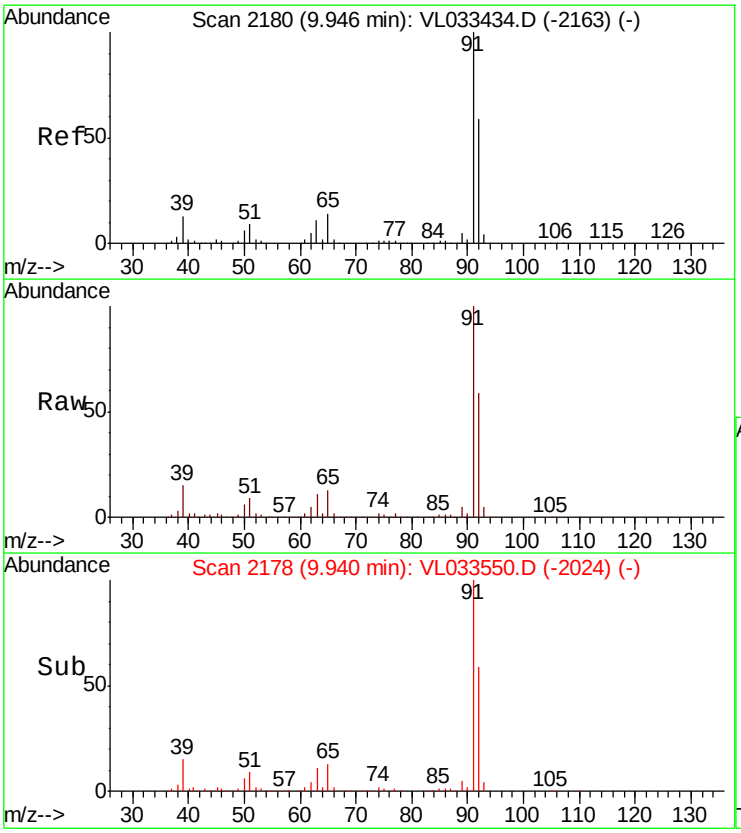
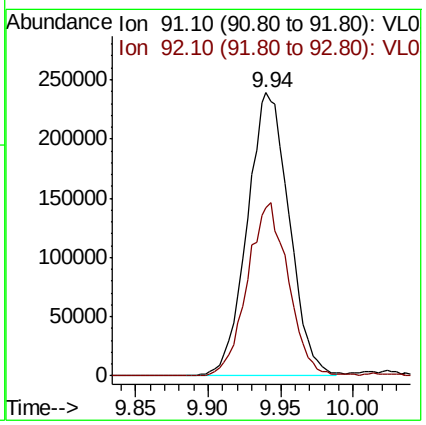
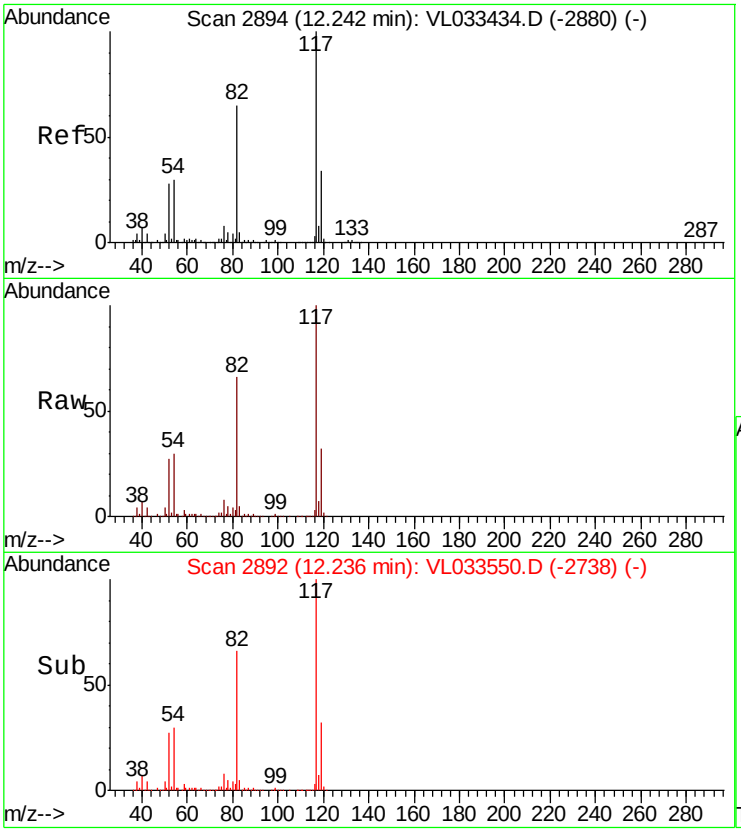


#53
Toluene
Concen: 2.220 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 91 Resp: 480302

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.4	71.0

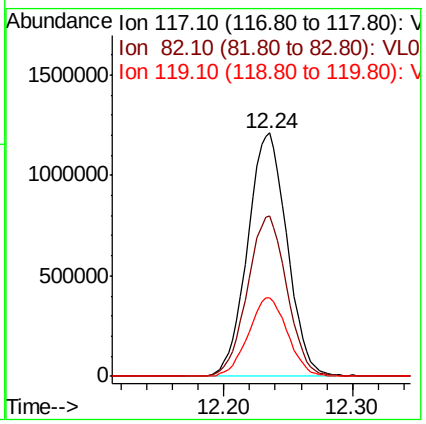




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion:117 Resp: 2579419

Ion	Ratio	Lower	Upper
117	100		
82	66.0	51.5	77.3
119	32.2	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SV5

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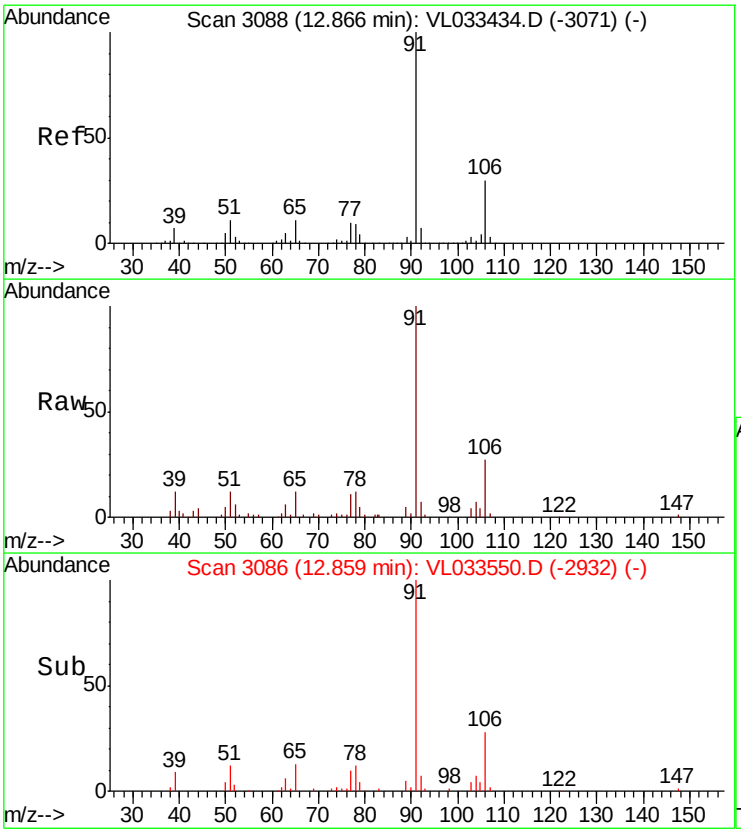
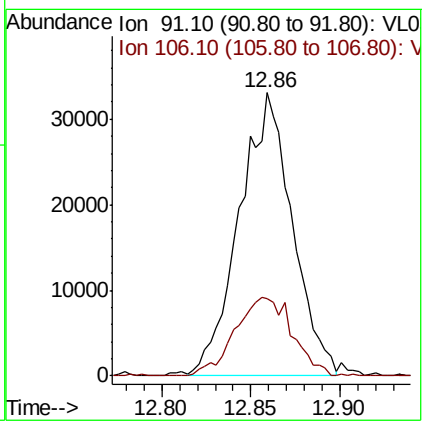
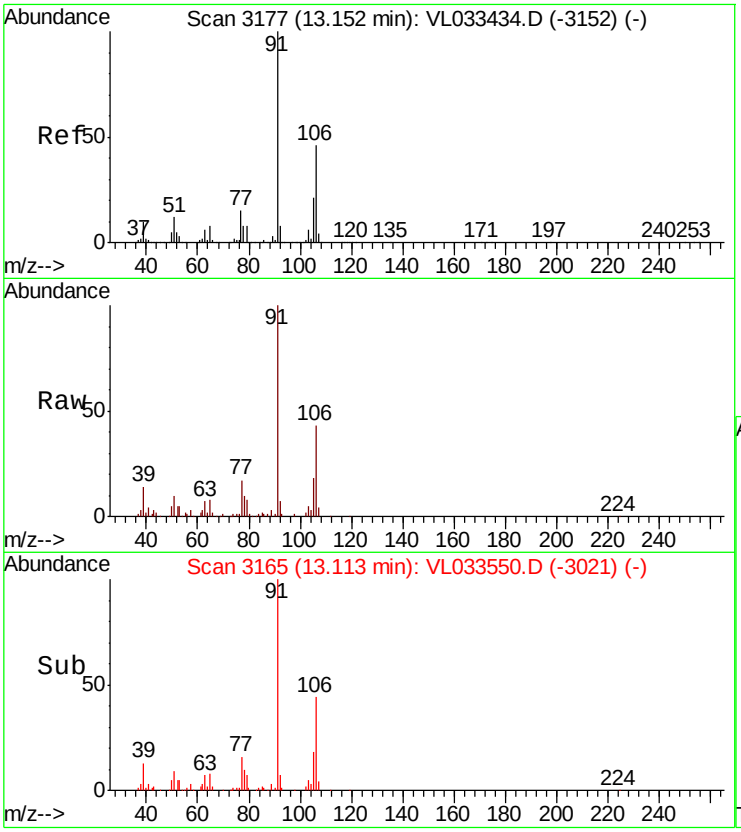


#58
Ethyl Benzene
Concen: 0.199 ppbv m
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 91 Resp: 68646

Ion	Ratio	Lower	Upper
91	100		
106	27.4	23.8	35.6





#59
m/p-Xylene
Concen: 0.775 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 91 Resp: 238436

Ion	Ratio	Lower	Upper
91	100		
106	45.2	0.0	0.0#

Instrument :
MSVOA_L
ClientSampleId :
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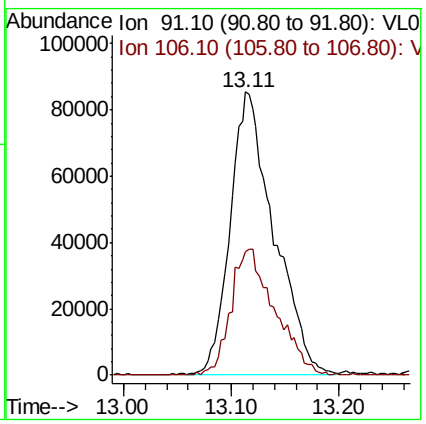
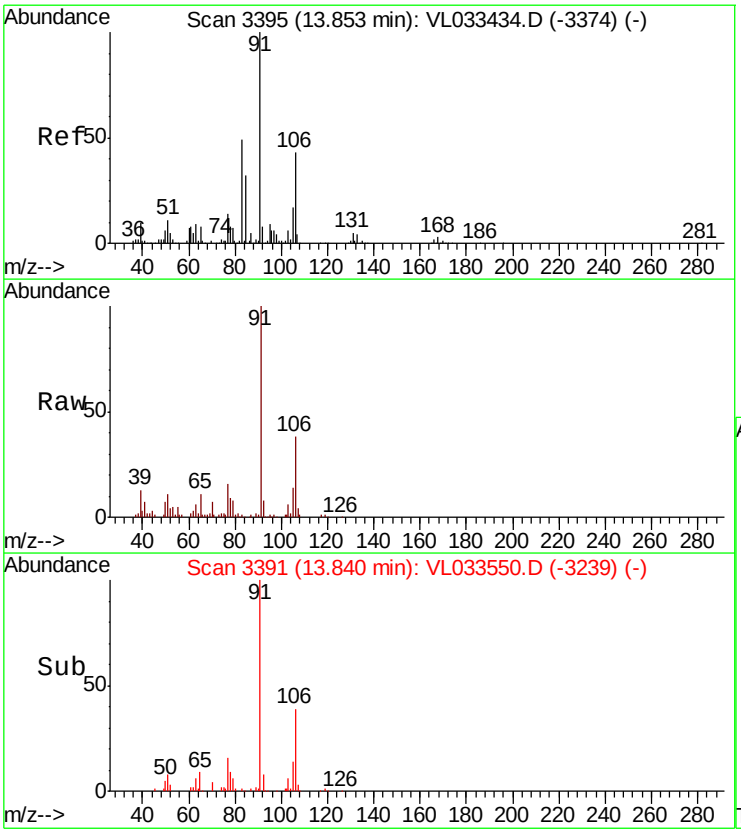
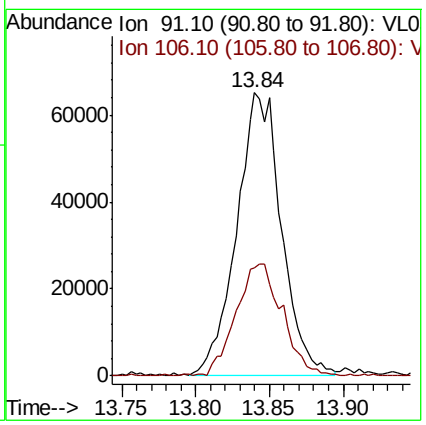


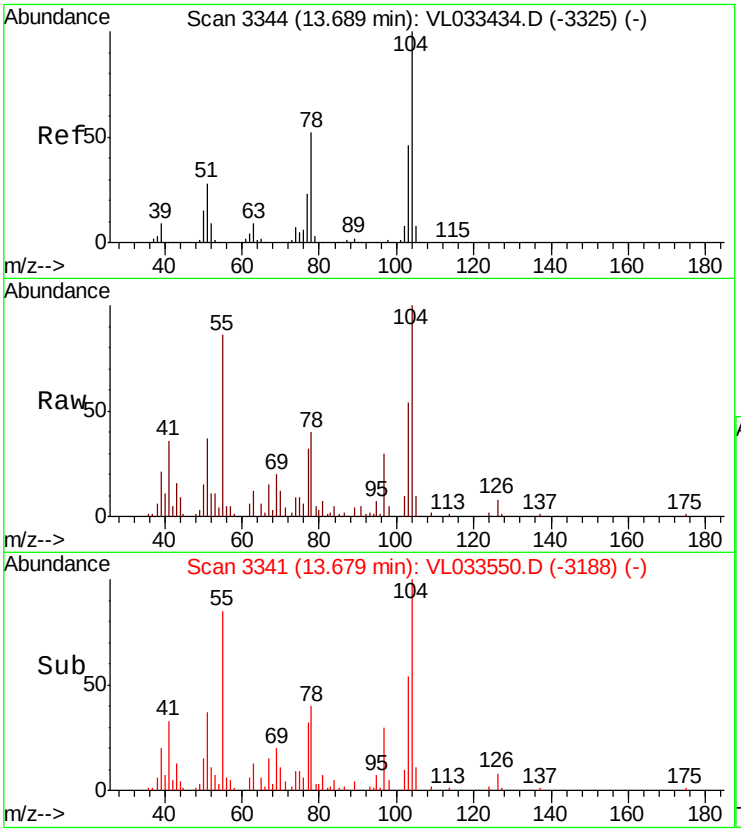


#60
o-Xylene
Concen: 0.464 ppbv m
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 91 Resp: 137968

Ion	Ratio	Lower	Upper
91	100		
106	40.9	21.4	64.3

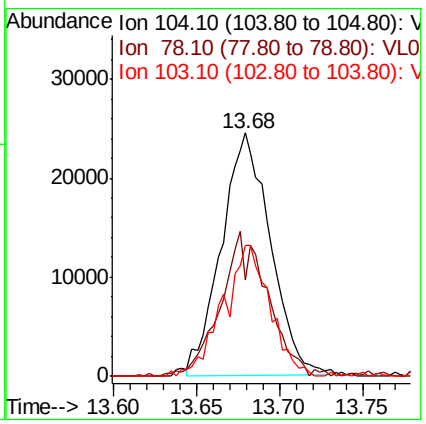




#61
Stvrene
Concen: 0.247 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion:104 Resp: 50529

Ion	Ratio	Lower	Upper
104	100		
78	57.9	43.2	64.8
103	51.8	37.8	56.8



Instrument :
MSVOA_L
ClientSampleId :
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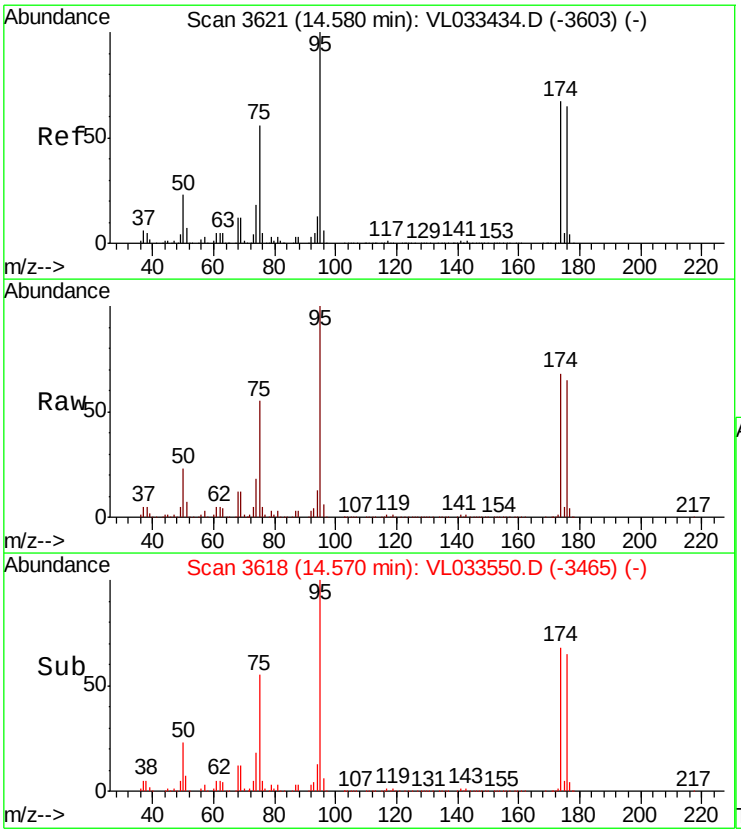
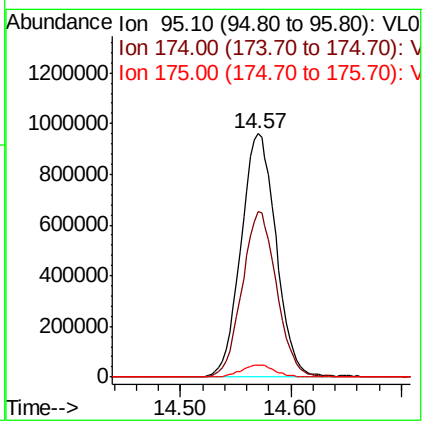
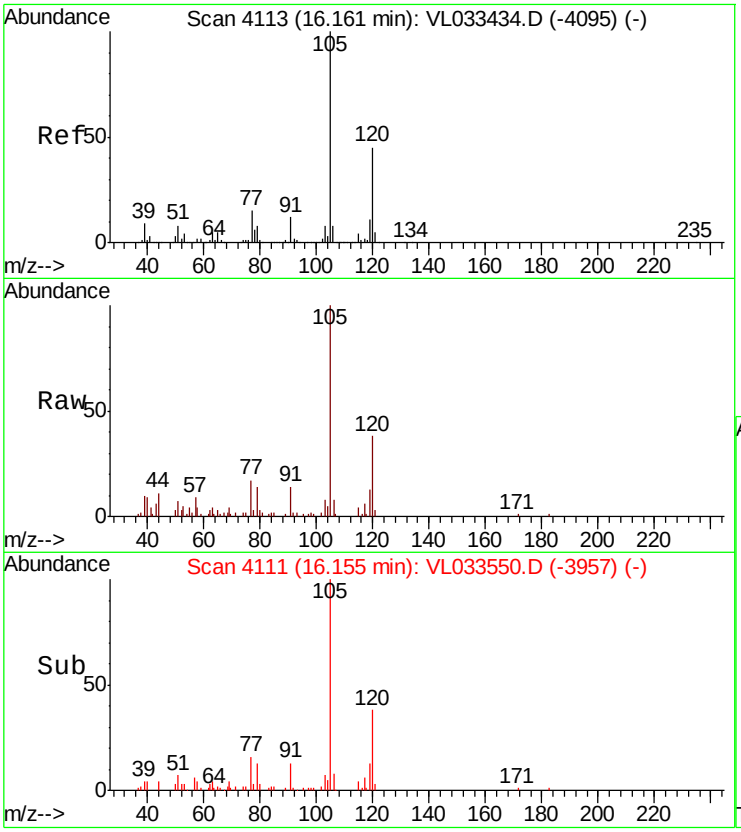


#68
1-Bromo-4-Fluorobenzene
Concen: 10.443 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion: 95 Resp: 2111692

Ion	Ratio	Lower	Upper
95	100		
174	67.0	52.9	79.3
175	4.9	3.8	5.6





#73
1,3,5-Trimethylbenzene
Concen: 0.157 ppbv m
RT: 16.16 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion:105 Resp: 50382

Ion	Ratio	Lower	Upper
105	100		
120	38.1	35.7	53.5

Instrument :
MSVOA_L
ClientSampleId :
SV5

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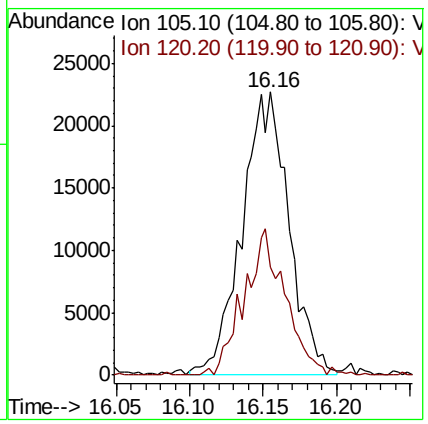

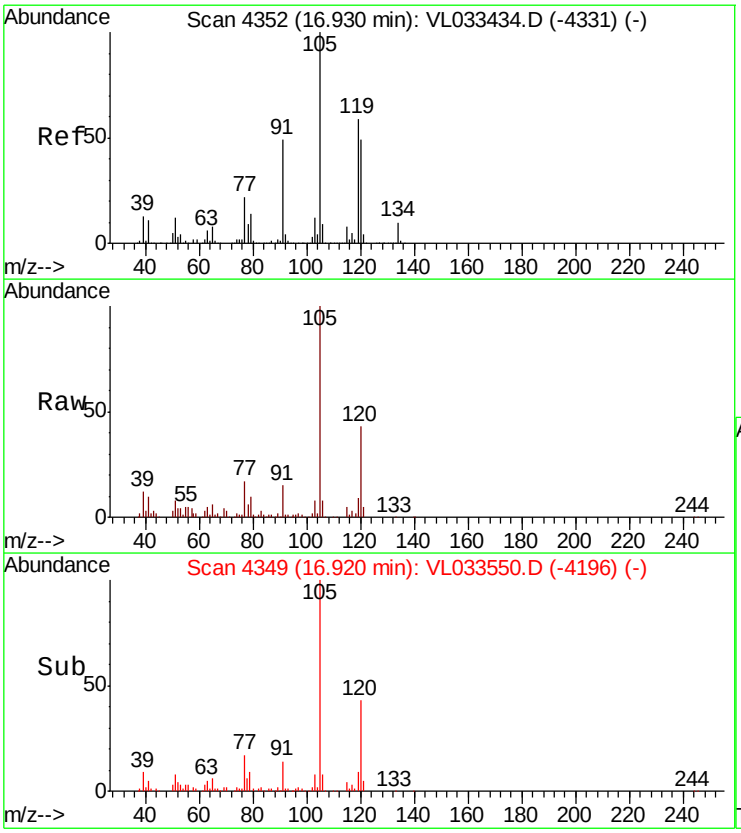

#74
1,2,4-Trimethylbenzene
Concen: 0.623 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033550.D
Acq: 5 Apr 2019 2:12

Tgt Ion:105 Resp: 213747

Ion	Ratio	Lower	Upper
105	100		
120	48.5	39.0	58.6
91	14.4	40.0	60.0#
77	17.0	17.5	26.3#