Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033396.D
Acq On : 20 Mar 2019 19:10
Operator : SY/AP
Sample : K1975-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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3/25/2019 8:26:28 AM

Quant Time: Mar 21 13:12:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 1
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	807919	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1803028	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.24	117	1774876	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1379510	10.49	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	71669	0.504	ppbv		92
3) Chlorodifluoromethane	3.01	51	35195	0.380	ppbv		96
4) Chloromethane	3.17	50	30121	0.600	ppbv	#	89
9) Propene	3.05	41	21359	0.516	ppbv	#	74
11) Trichlorofluoromethane	4.00	101	37948	0.268	ppbv		88
13) Ethanol	3.65	45	180662	9.155	ppbv		99
15) Acetone	3.90	43	494921	3.941	ppbv		99
19) Isopropyl Alcohol	4.03	45	50374	0.843	ppbv	#	1
20) Methylene Chloride	4.41	84	137570	3.359	ppbv		99
26) Hexane	5.78	57	150075	1.839	ppbv	#	66
34) 2-Butanone	5.33	43	109500	0.925	ppbv		99
35) Carbon Tetrachloride	7.13	117	10466m	0.082	ppbv		
36) Benzene	7.00	78	21194m	0.131	ppbv		
52) Tetrachloroethene	11.36	164	6825m	0.102	ppbv		
53) Toluene	9.94	91	265781	1.450	ppbv		98
59) m/p-Xylene	13.12	91	47757m	0.221	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033396.D
Acq On : 20 Mar 2019 19:10
Operator : SY/AP
Sample : K1975-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 13:12:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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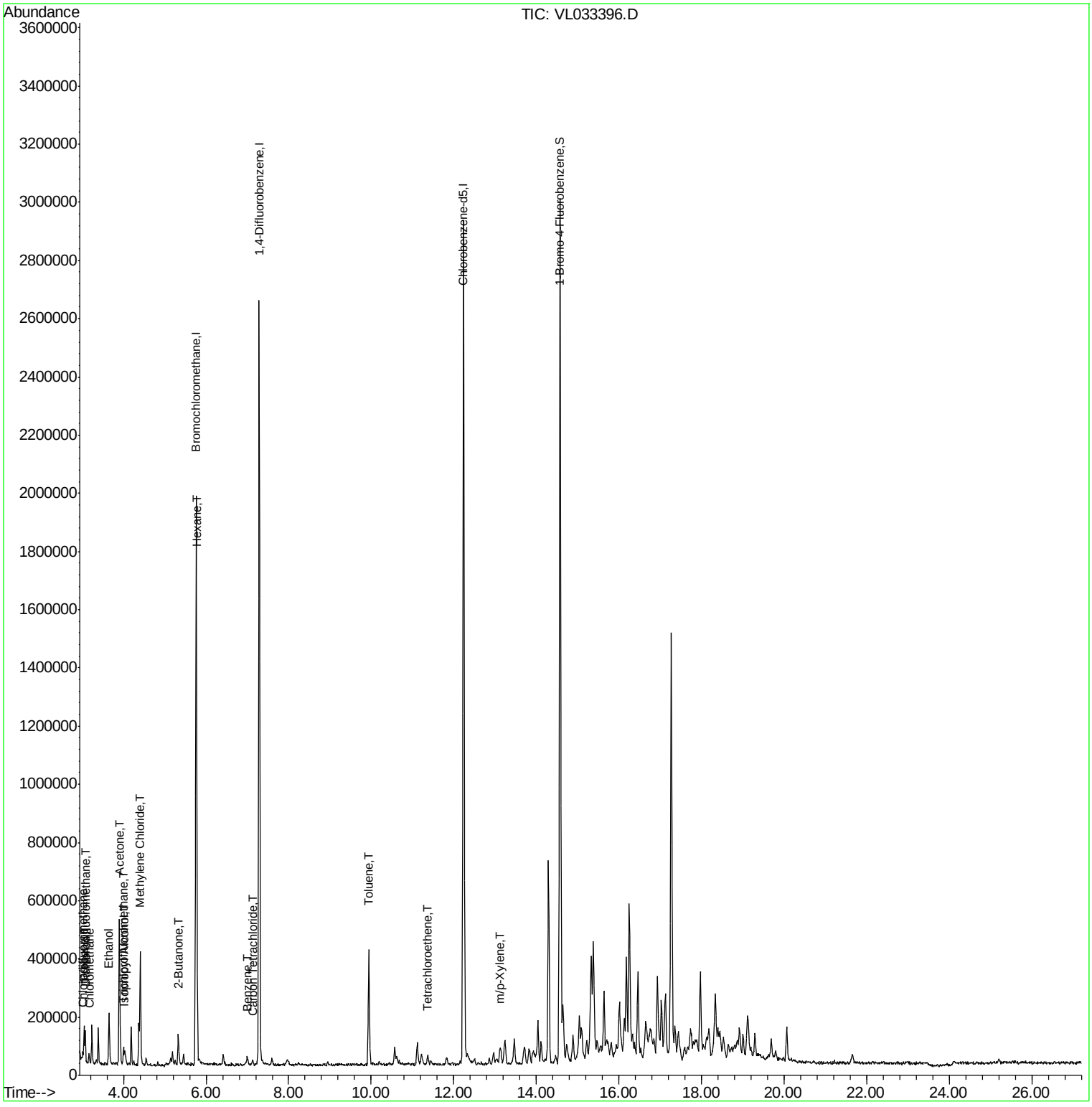
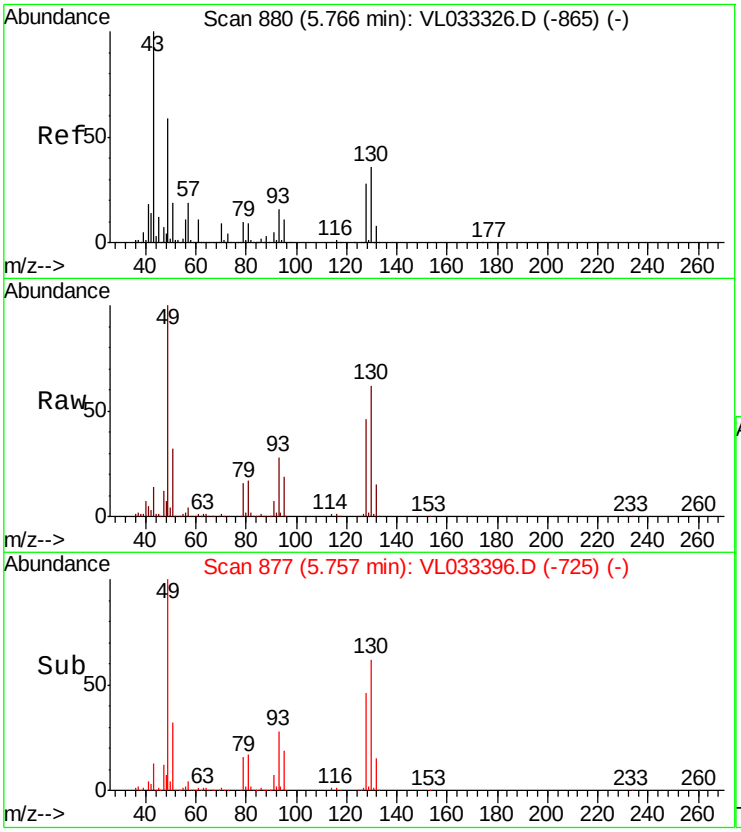
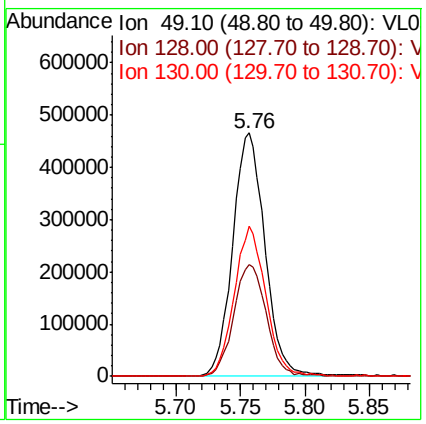




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 49 Resp: 807919

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.5	70.6
130	60.5	30.1	90.3



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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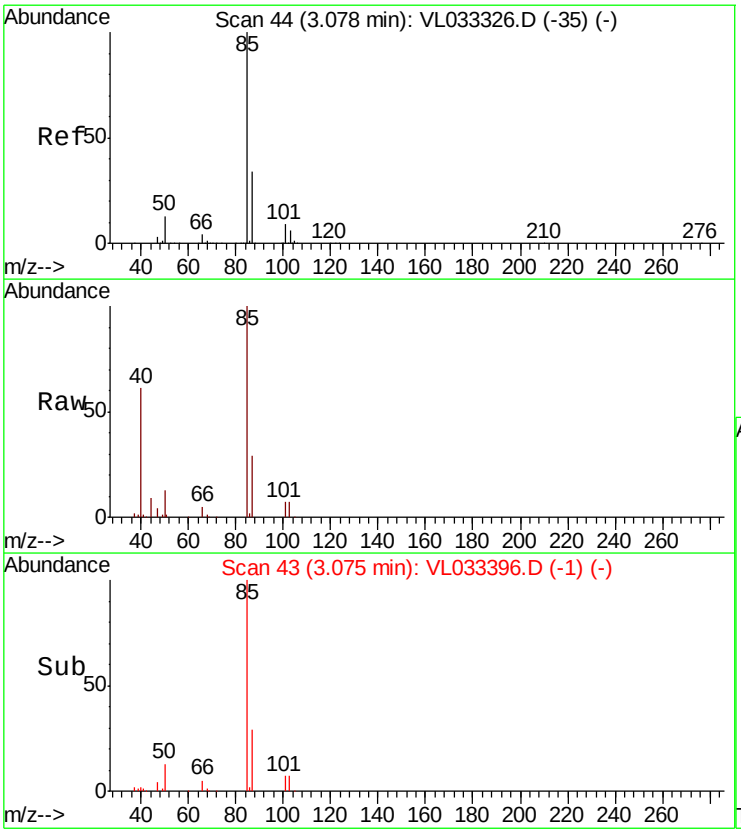
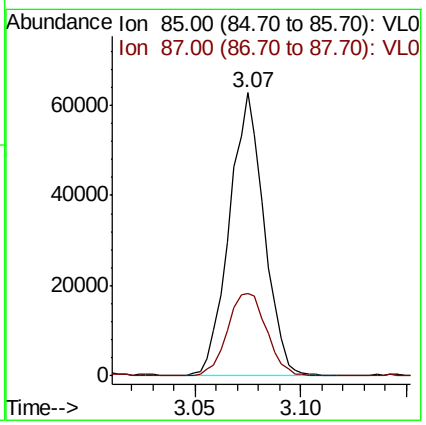
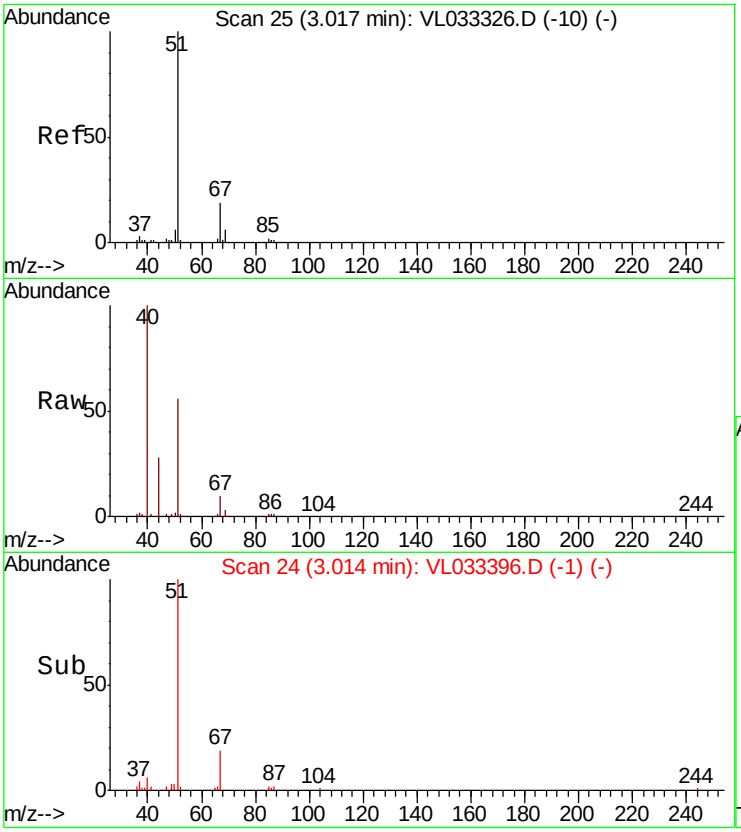


#2
Dichlorodifluoromethane
Concen: 0.504 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 85 Resp: 71669

Ion	Ratio	Lower	Upper
85	100		
87	29.2	26.9	40.3





#3
Chlorodifluoromethane
Concen: 0.380 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 51 Resp: 35195

Ion	Ratio	Lower	Upper
51	100		
67	16.8	14.9	22.3

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

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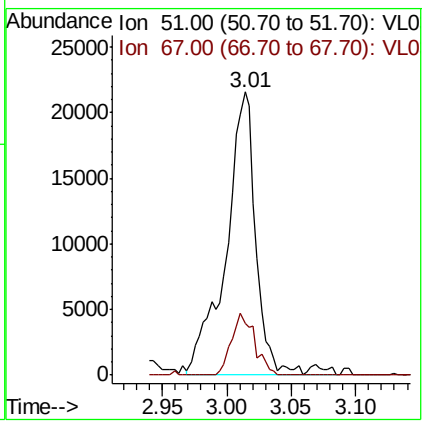
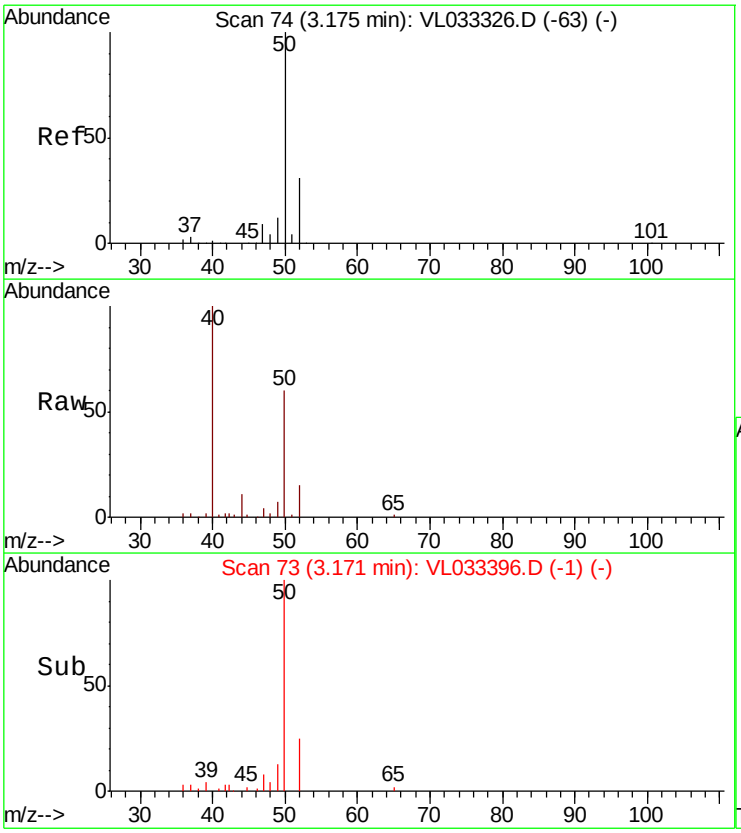
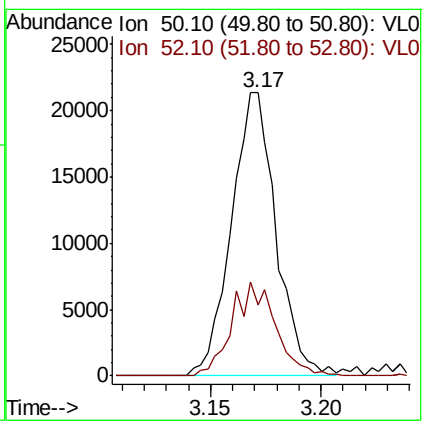


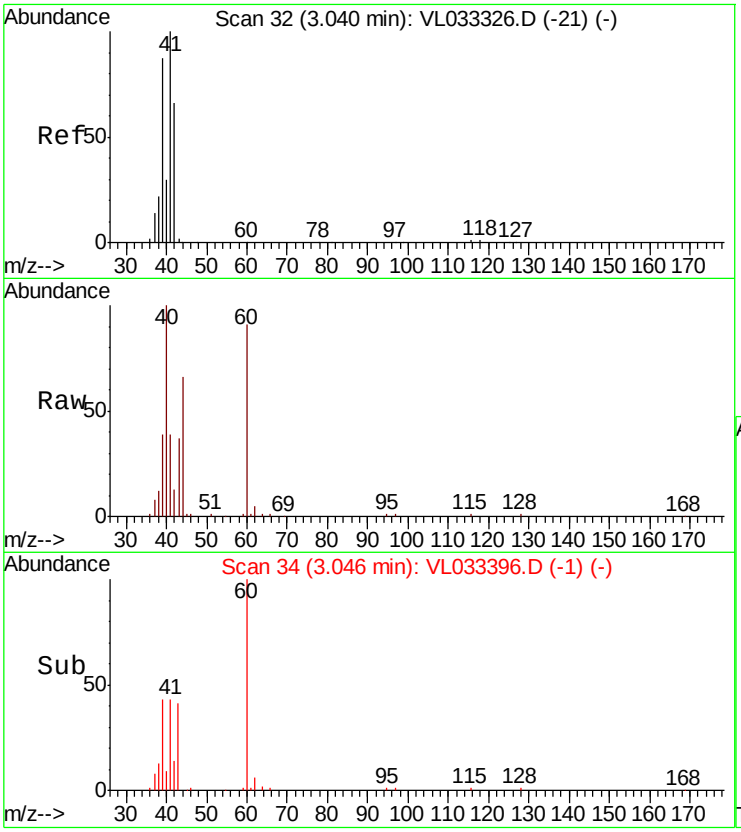


#4
Chloromethane
Concen: 0.600 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 50 Resp: 30121

Ion	Ratio	Lower	Upper
50	100		
52	25.0	25.0	37.6#

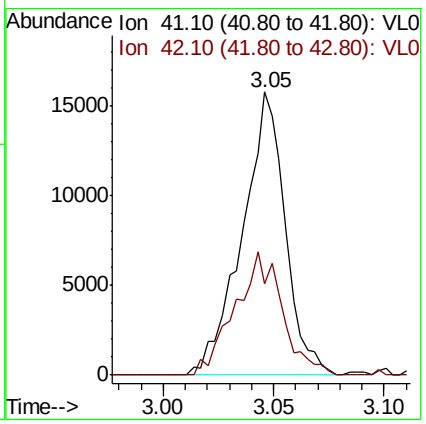




#9
Propene
Concen: 0.516 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 41 Resp: 21359

Ion	Ratio	Lower	Upper
41	100		
42	47.6	55.2	82.8#



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

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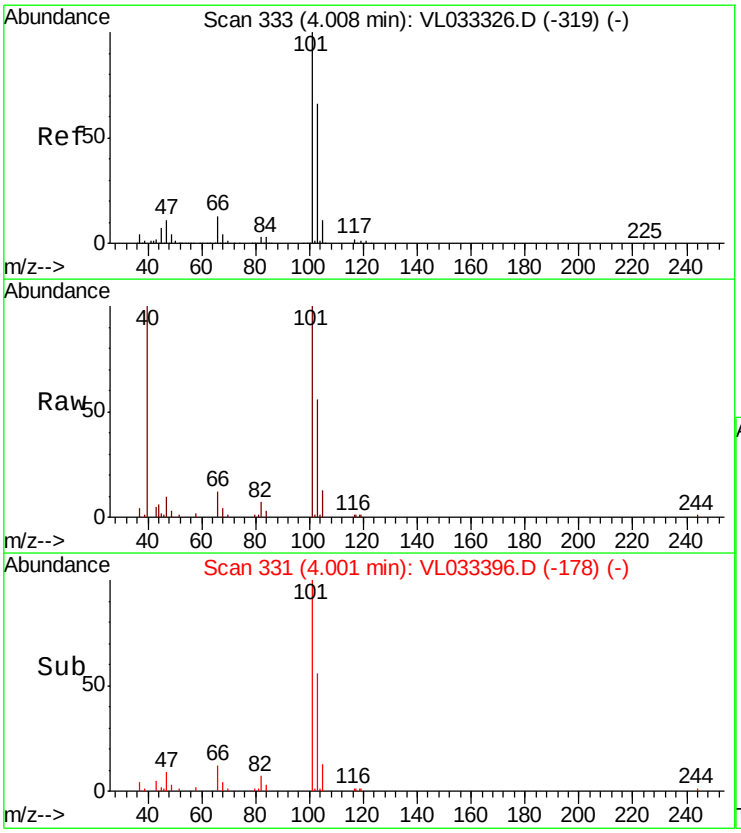
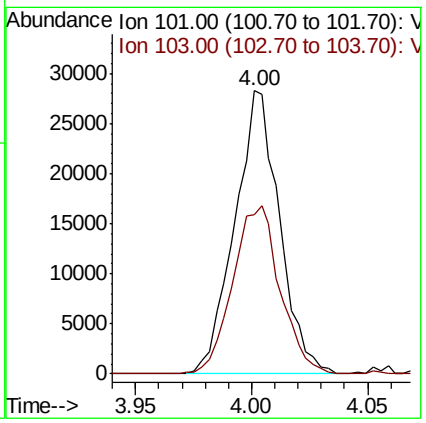
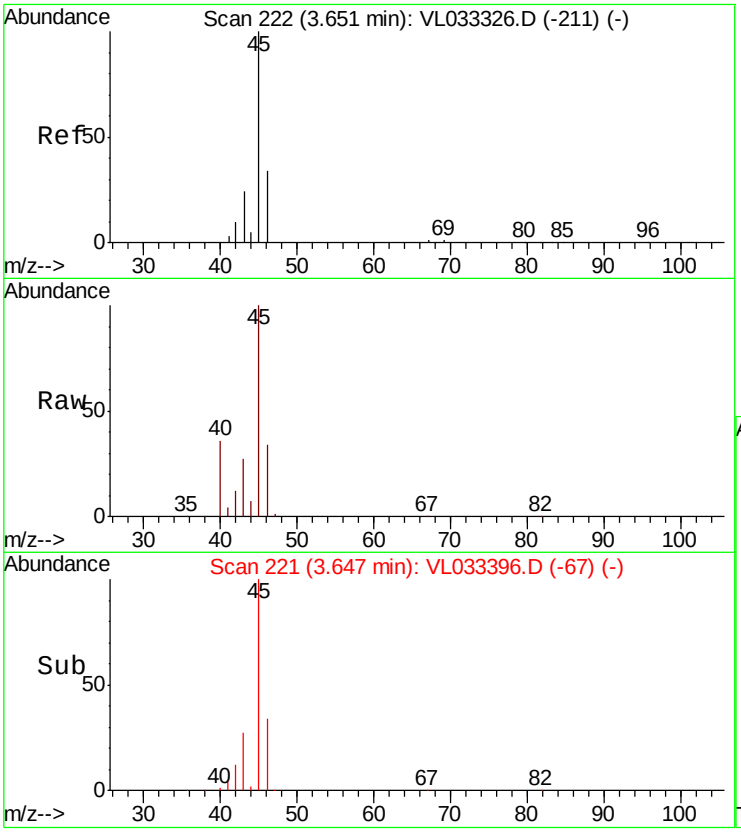


#11
Trichlorofluoromethane
Concen: 0.268 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion:101 Resp: 37948

Ion	Ratio	Lower	Upper
101	100		
103	56.2	52.9	79.3

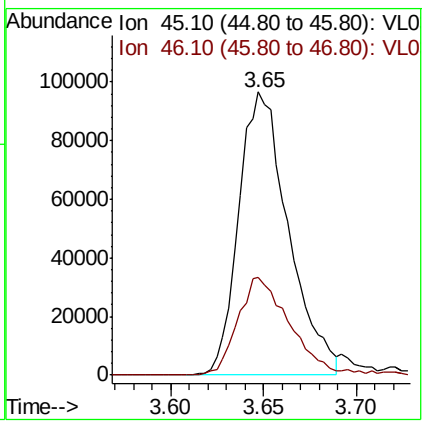




#13
Ethanol
Concen: 9.155 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 45 Resp: 180662

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.9	59.7



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

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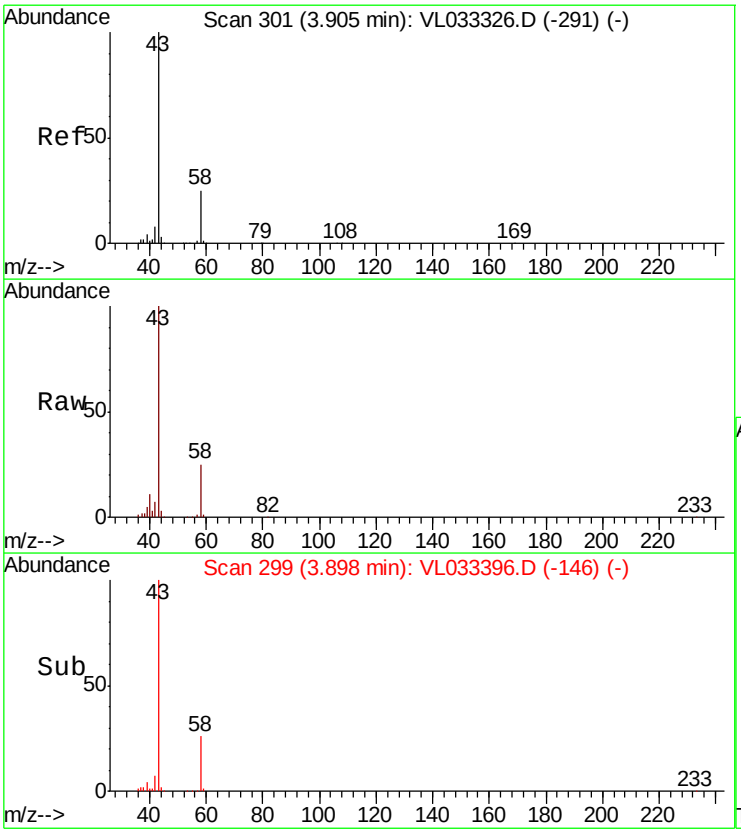
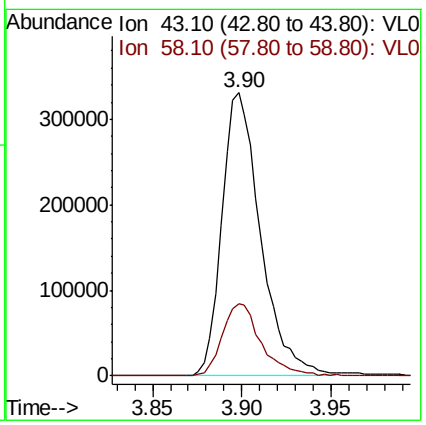
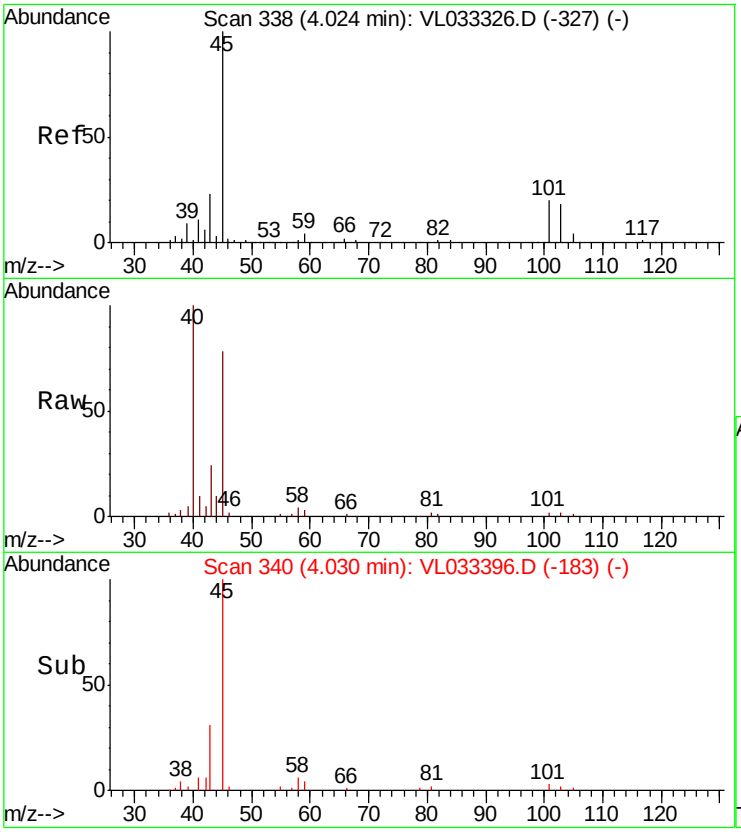


#15
Acetone
Concen: 3.941 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 43 Resp: 494921

Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.4	30.6

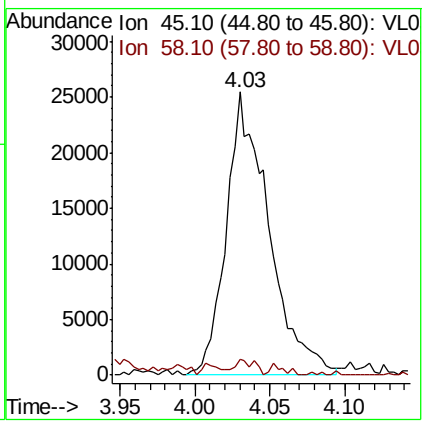




#19
Isopropyl Alcohol
Concen: 0.843 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 45 Resp: 50374

Ion	Ratio	Lower	Upper
45	100		
58	255.3	1.5	2.3#



Instrument :
MSVOA_L
ClientSampleId :
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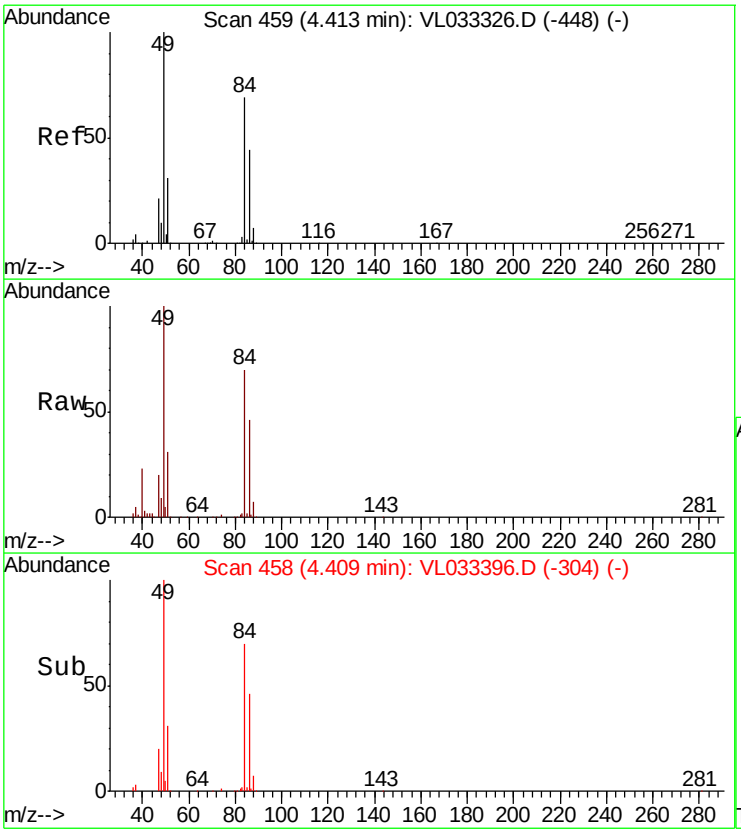
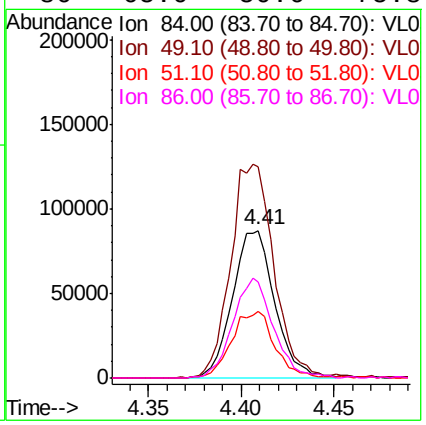
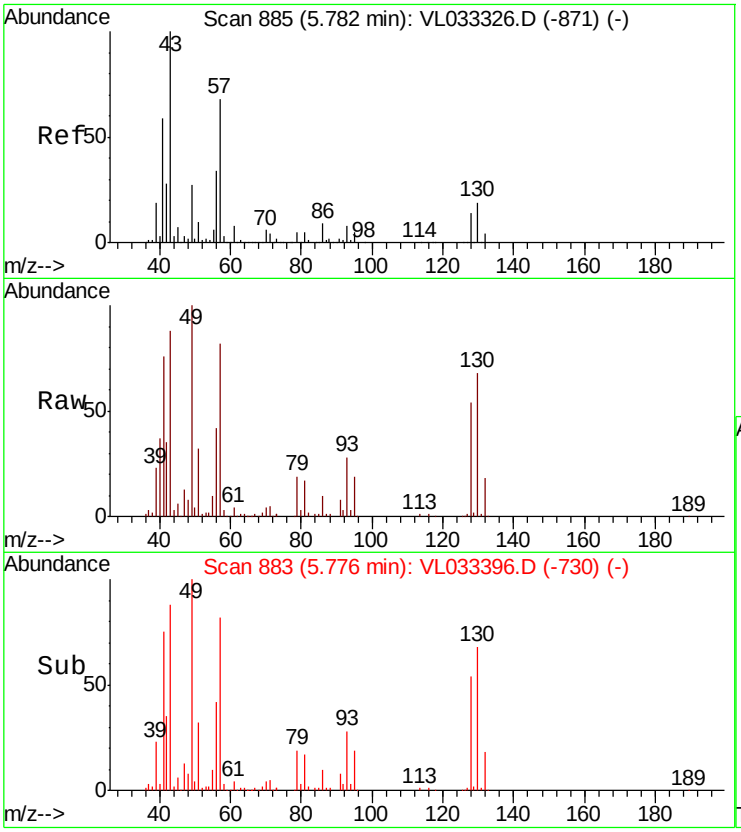


#20
Methylene Chloride
Concen: 3.359 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 84 Resp: 137570

Ion	Ratio	Lower	Upper
84	100		
49	142.8	115.4	173.0
51	44.9	35.8	53.6
86	65.0	50.6	75.8

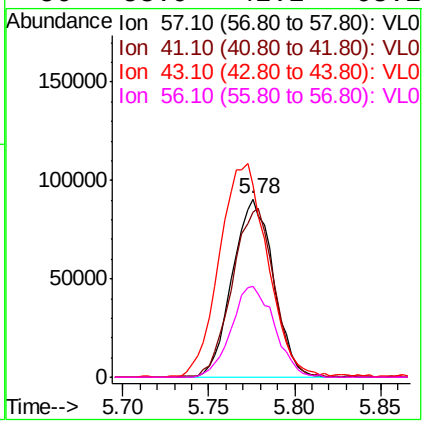




#26
Hexane
Concen: 1.839 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 57 Resp: 150075

Ion	Ratio	Lower	Upper
57	100		
41	97.8	70.5	105.7
43	143.5	181.8	272.8#
56	53.9	42.2	63.2



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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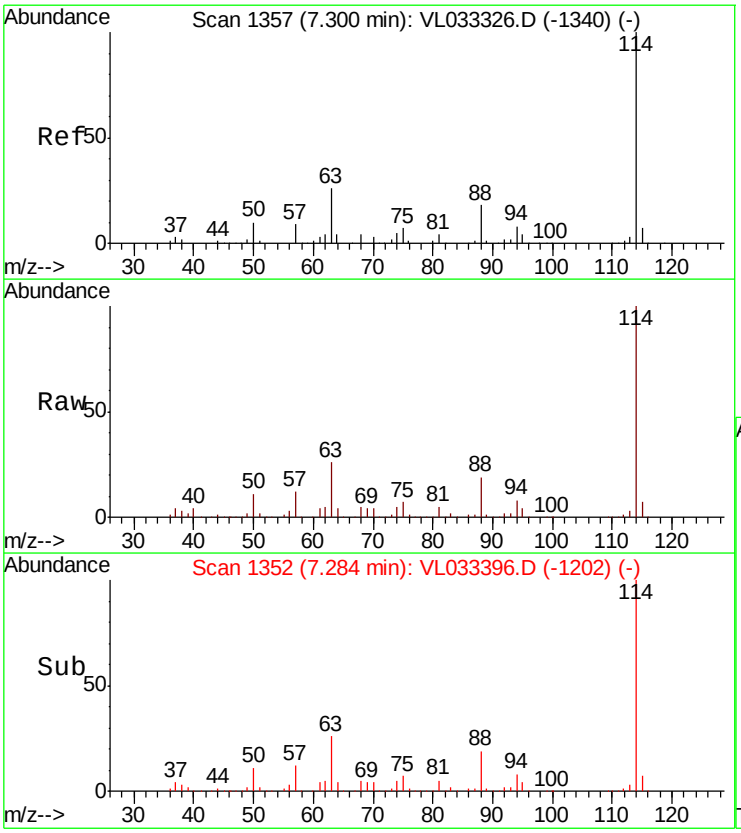
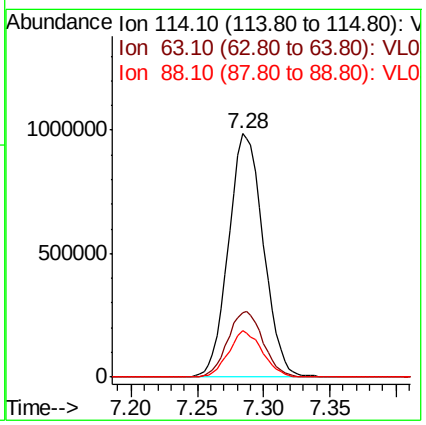
3/25/2019 8:26:28 AM

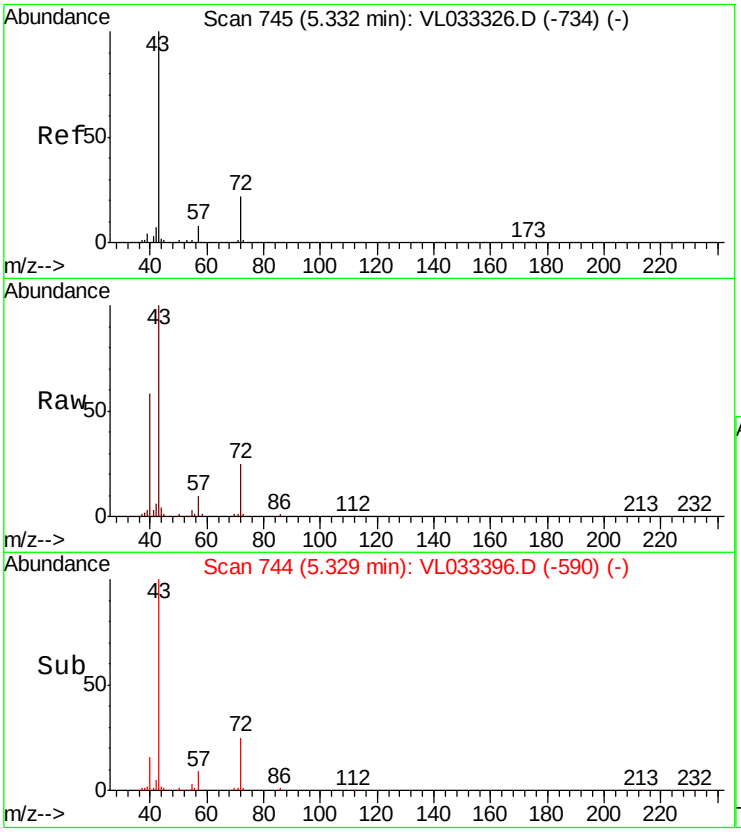


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.02 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion:114 Resp: 1803028

Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.4	32.2
88	18.5	14.5	21.7

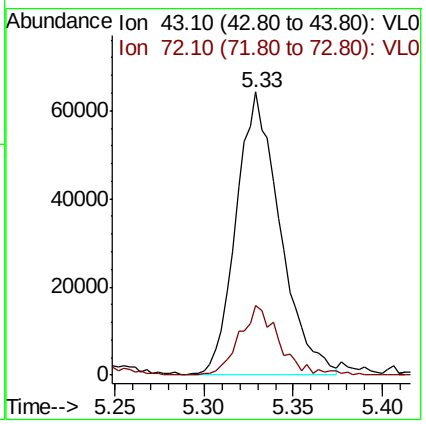




#34
2-Butanone
Concen: 0.925 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 43 Resp: 109500

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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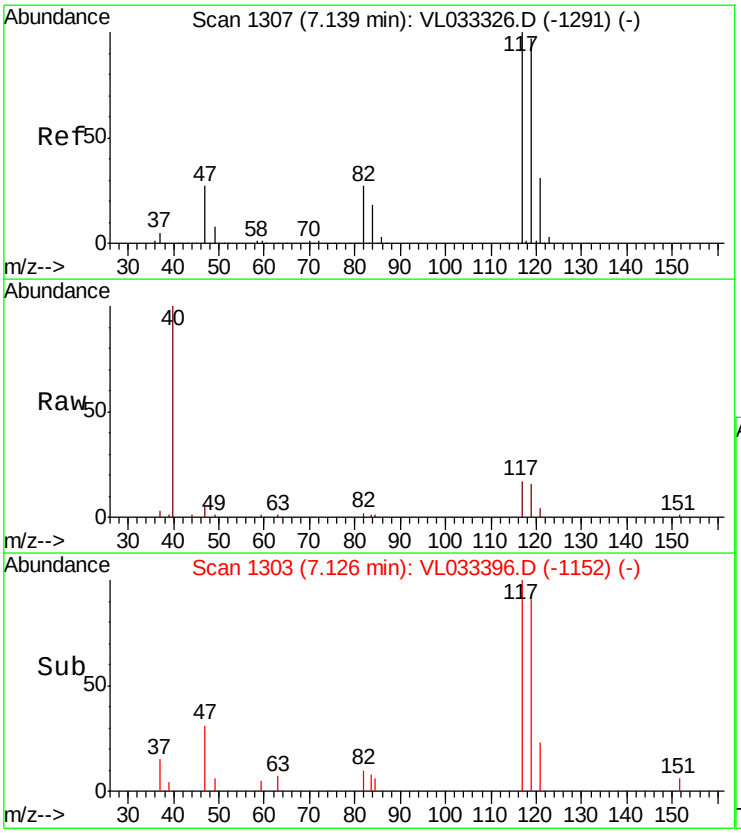
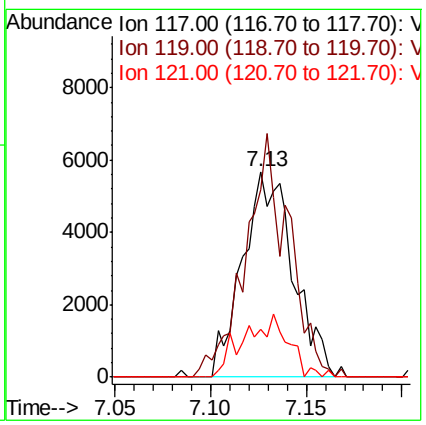
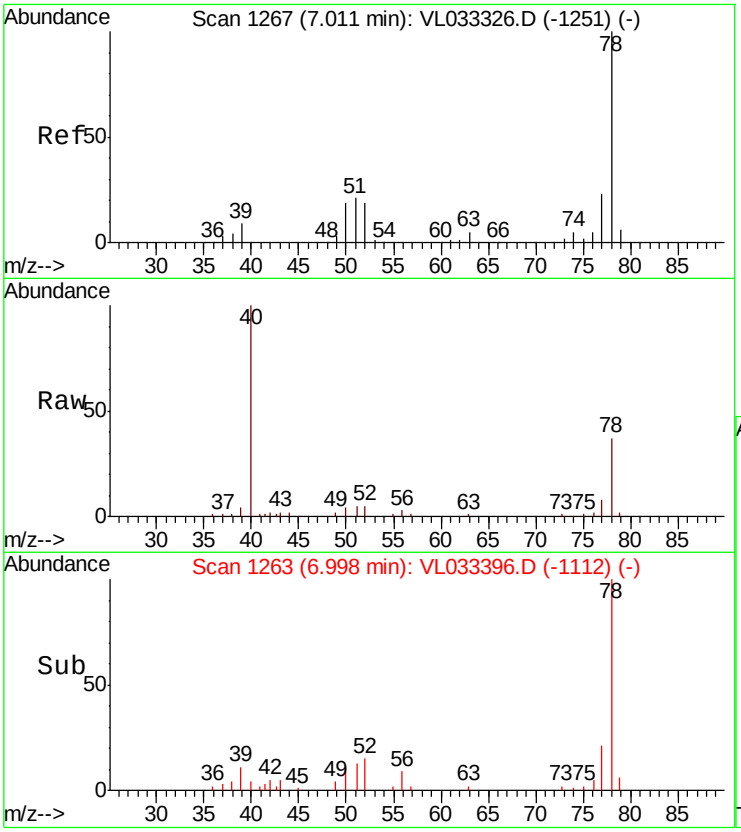


#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion:117 Resp: 10466

Ion	Ratio	Lower	Upper
117	100		
119	91.0	77.4	116.0
121	23.2	24.9	37.3#

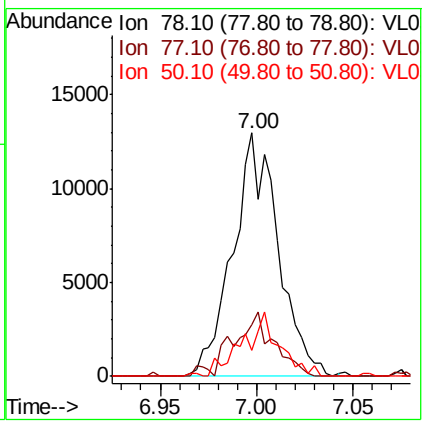




#36
Benzene
Concen: 0.131 ppbv m
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

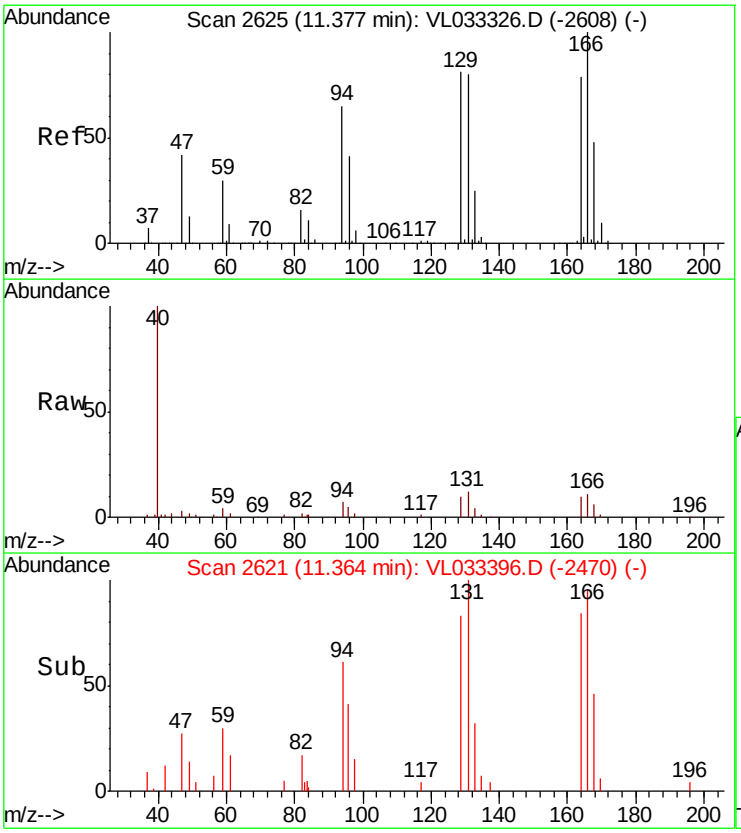
Tgt Ion: 78 Resp: 21194

Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.1	27.1
50	10.5	15.2	22.8#



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

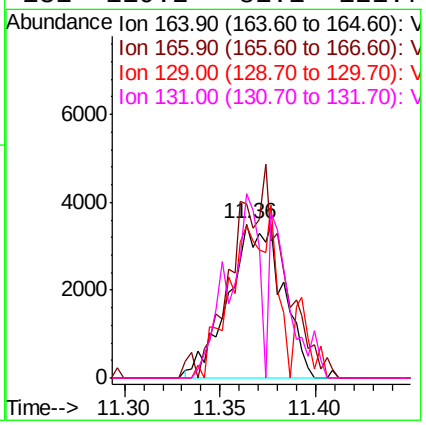
Manual Integrations APPROVED
MMDadoda
3/25/2019 8:26:28 AM

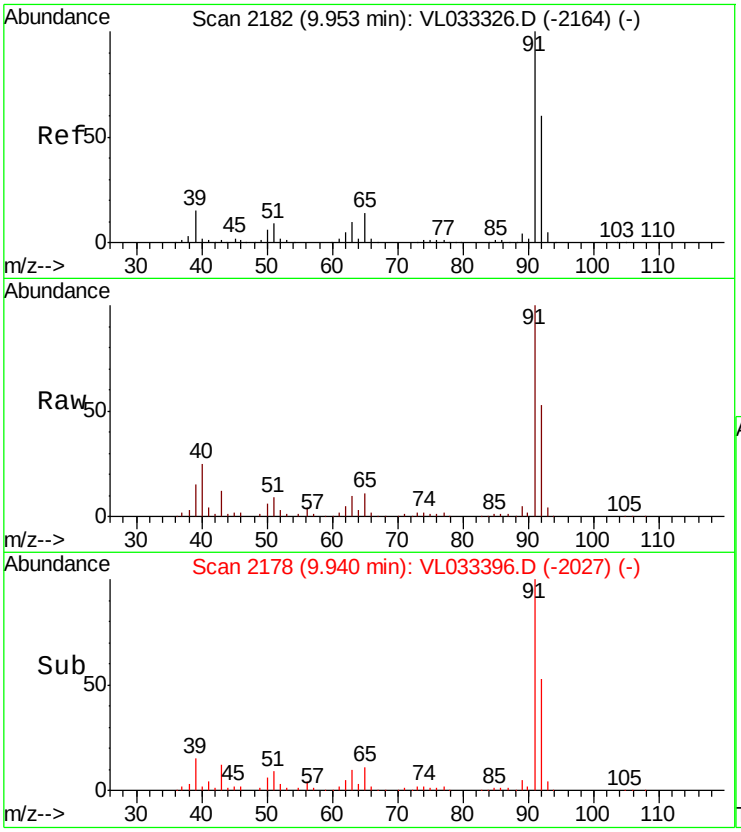


#52
Tetrachloroethene
Concen: 0.102 ppbv m
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion:164 Resp: 6825

Ion	Ratio	Lower	Upper
164	100		
166	112.7	101.5	152.3
129	98.9	82.2	123.2
131	119.2	81.1	121.7





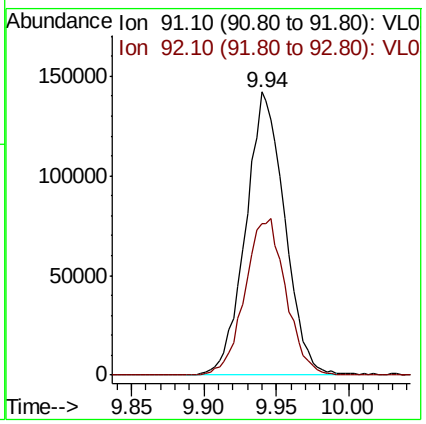
#53
Toluene
Concen: 1.450 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

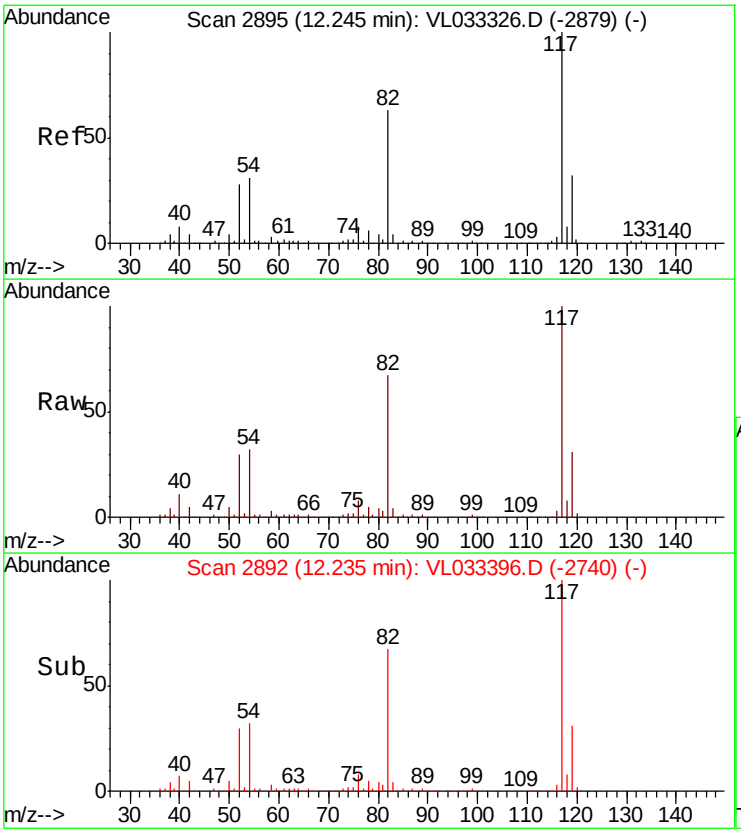
Tgt Ion: 91 Resp: 265781

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.4	71.0

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
MMDadoda
3/25/2019 8:26:28 AM

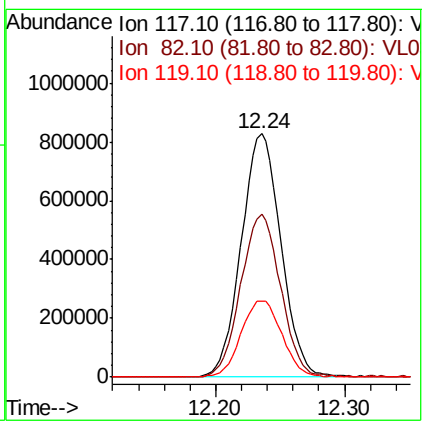


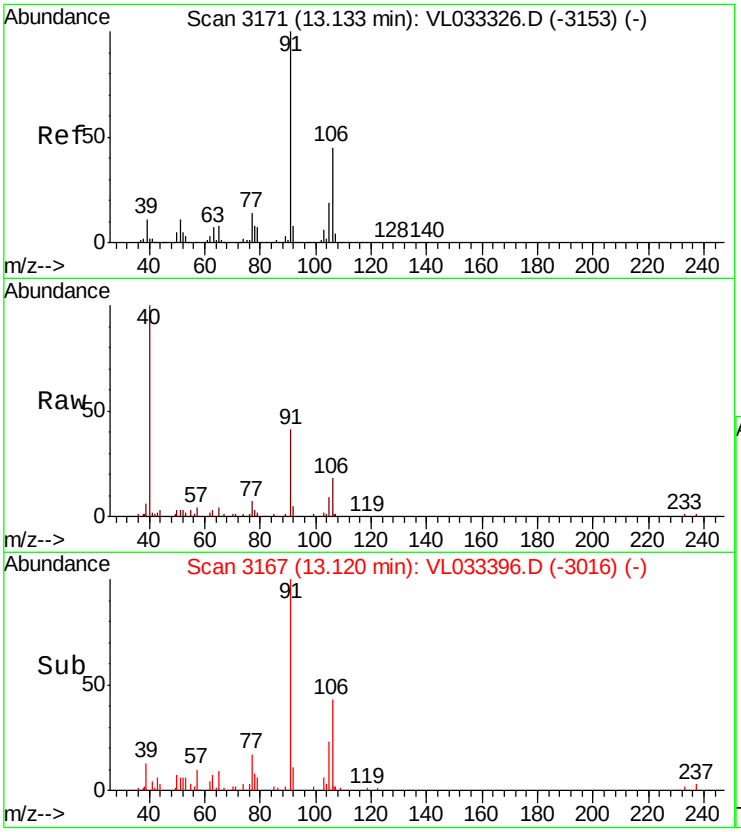


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion:117 Resp: 1774876

Ion	Ratio	Lower	Upper
117	100		
82	67.4	53.4	80.2
119	32.5	27.3	40.9





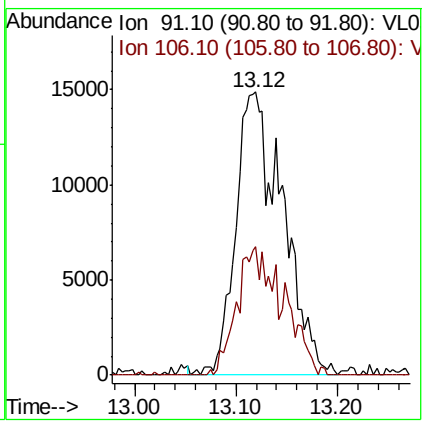
#59
m/p-Xylene
Concen: 0.221 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

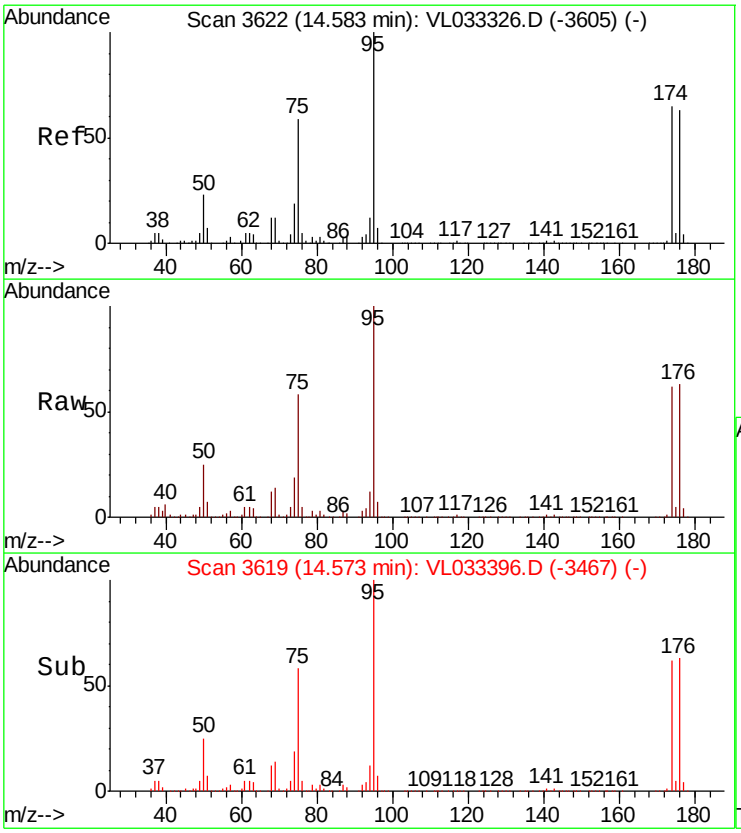
Tgt Ion: 91 Resp: 47757

Ion	Ratio	Lower	Upper
91	100		
106	44.9	0.0	0.0#

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
MMDadoda
3/25/2019 8:26:28 AM





#68
1-Bromo-4-Fluorobenzene
Concen: 10.489 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033396.D
Acq: 20 Mar 2019 19:10

Tgt Ion: 95 Resp: 1379510

Ion	Ratio	Lower	Upper
95	100		
174	64.4	51.5	77.3
175	4.6	3.8	5.6