Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL060719\
Data File : VL033896.D
Acq On : 7 Jun 2019 19:40
Operator : SY/AP
Sample : INST.ROOM
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

Manual Integrations APPROVED
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6/11/2019 9:19:01 AM

Quant Time: Jun 08 04:43:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 0
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	820268	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1823459	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1784134	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.56	95	1500095	10.24	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	46111	0.346	ppbv		89
3) Chlorodifluoromethane	3.01	51	27763m	0.288	ppbv		
4) Chloromethane	3.17	50	30690	0.557	ppbv		94
9) Propene	3.04	41	19185	0.531	ppbv		86
11) Trichlorofluoromethane	3.99	101	47641	0.277	ppbv		89
13) Ethanol	3.69	45	285611	24.295	ppbv		94
15) Acetone	3.89	43	890817	7.446	ppbv		99
20) Methylene Chloride	4.40	84	563593	12.081	ppbv		95
26) Hexane	5.77	57	250127	3.015	ppbv	#	44
34) 2-Butanone	5.33	43	47605	0.463	ppbv		99
35) Carbon Tetrachloride	7.12	117	11121m	0.079	ppbv		
36) Benzene	6.99	78	15985	0.115	ppbv	#	92
53) Toluene	9.93	91	23136m	0.150	ppbv		
72) 4-Ethyltoluene	15.98	105	28334m	0.132	ppbv		
73) 1,3,5-Trimethylbenzene	16.15	105	36697m	0.173	ppbv		
74) 1,2,4-Trimethylbenzene	16.91	105	114678	0.470	ppbv	#	73

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL060719\
Data File : VL033896.D
Acq On : 7 Jun 2019 19:40
Operator : SY/AP
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 04:43:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

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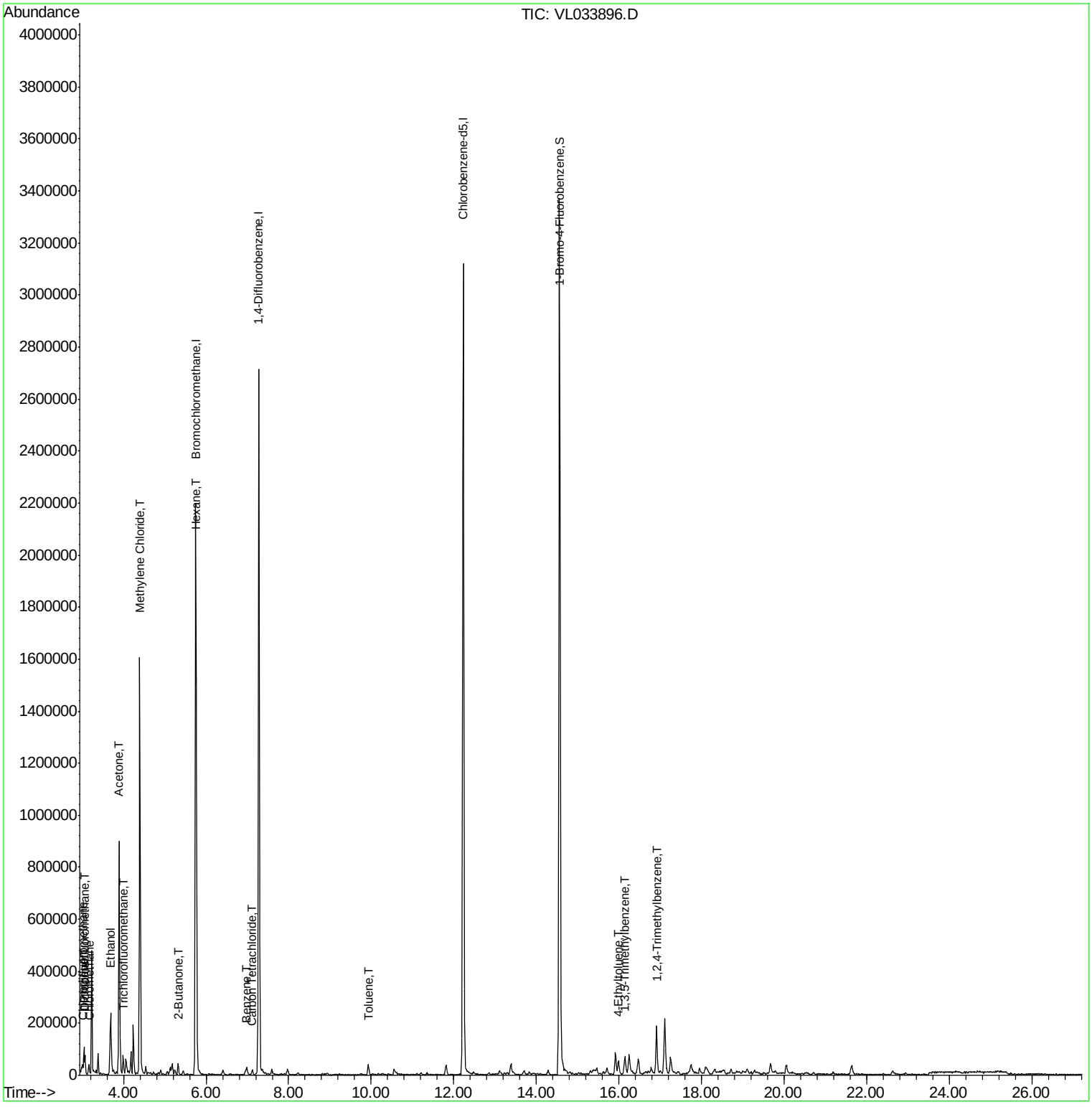
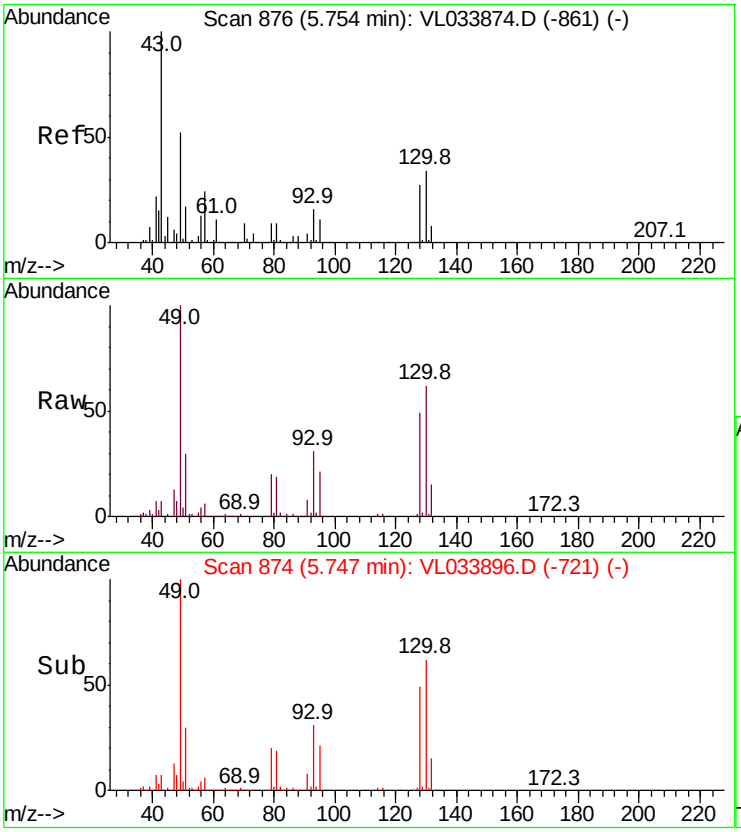
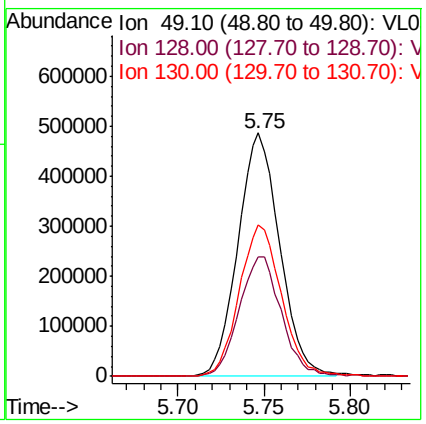




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 49 Resp: 820268

Ion	Ratio	Lower	Upper
49	100		
128	49.7	25.5	76.5
130	62.9	32.5	97.4



Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

Manual Integrations APPROVED
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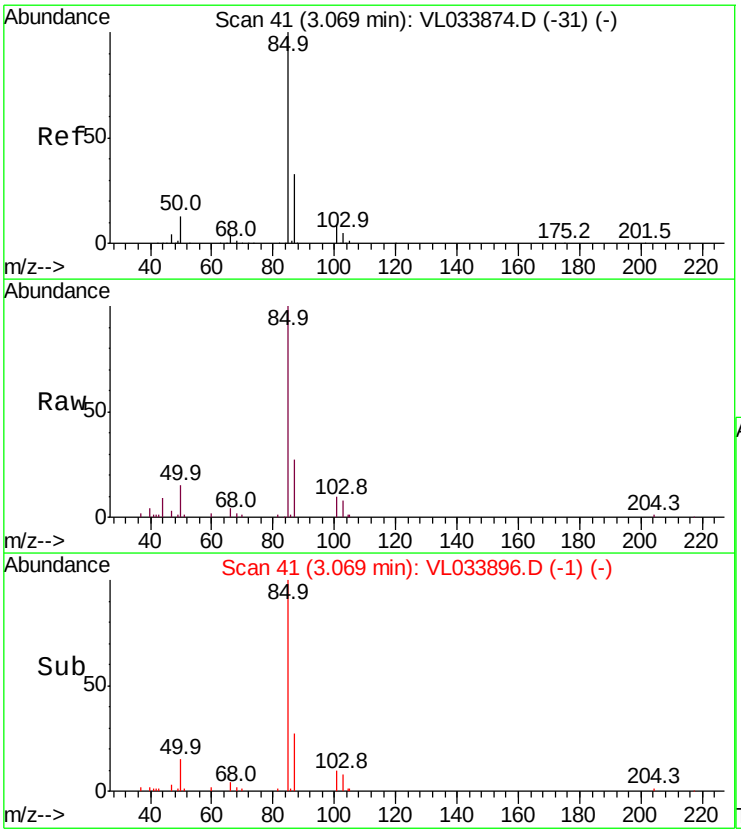
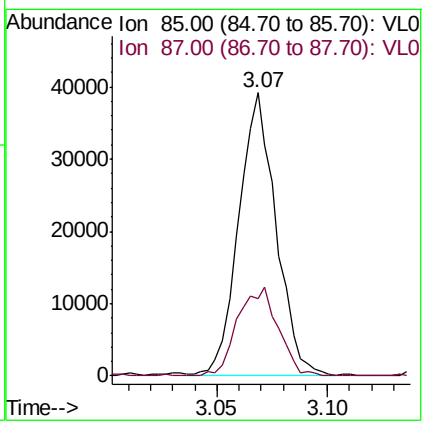
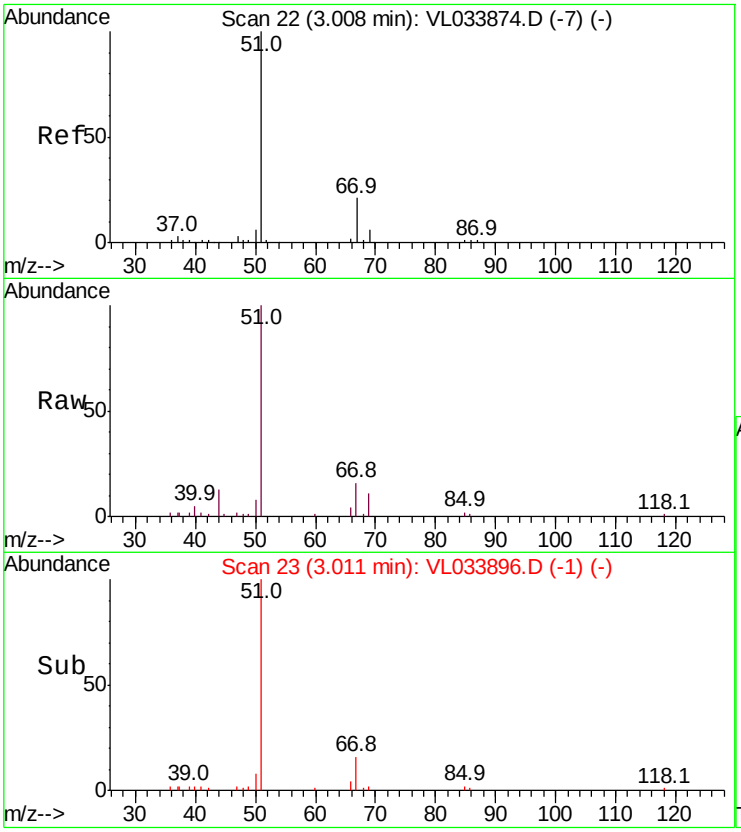


#2
Dichlorodifluoromethane
Concen: 0.346 ppbv
RT: 3.07 min Scan# 41
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 85 Resp: 46111

Ion	Ratio	Lower	Upper
85	100		
87	27.1	26.6	40.0

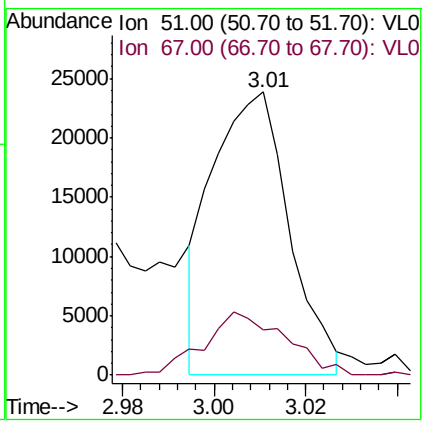




#3
Chlorodifluoromethane
Concen: 0.288 ppbv m
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 51 Resp: 27763

Ion	Ratio	Lower	Upper
51	100		
67	24.2	16.4	24.6



Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

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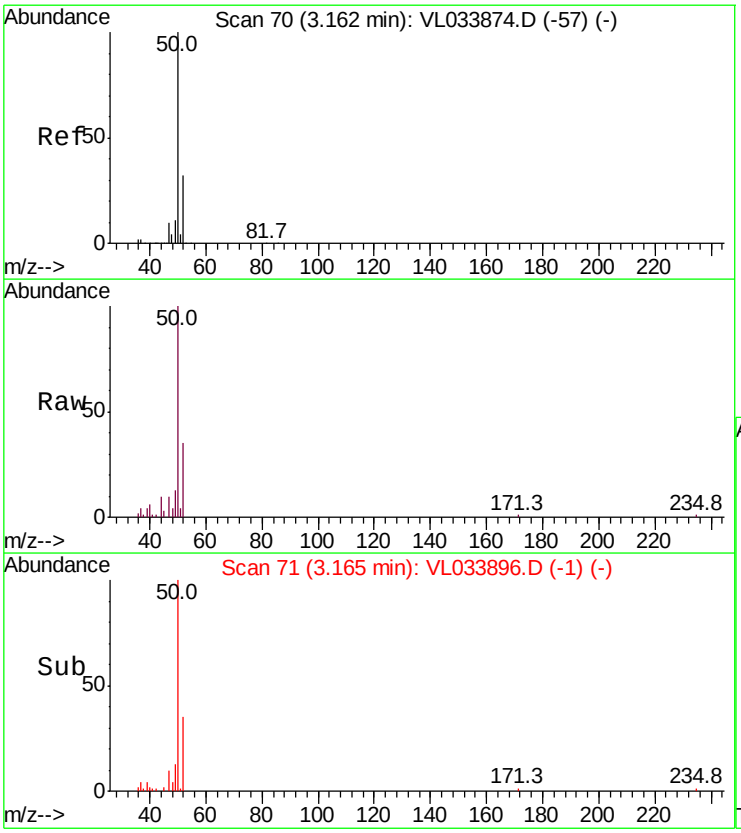
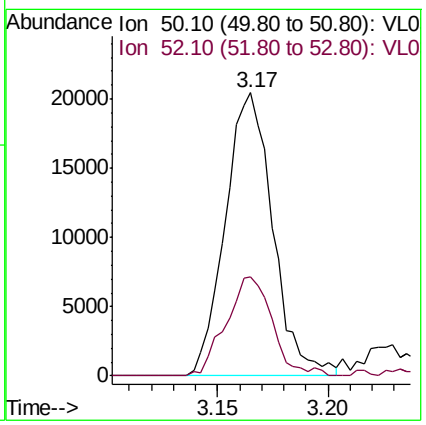
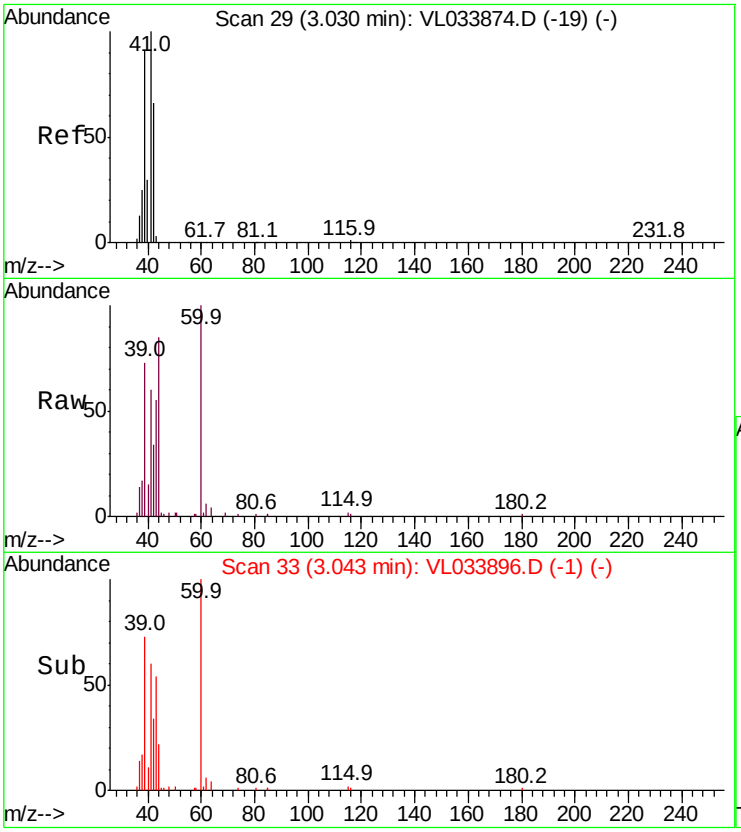


#4
Chloromethane
Concen: 0.557 ppbv
RT: 3.17 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 50 Resp: 30690

Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.4	38.0

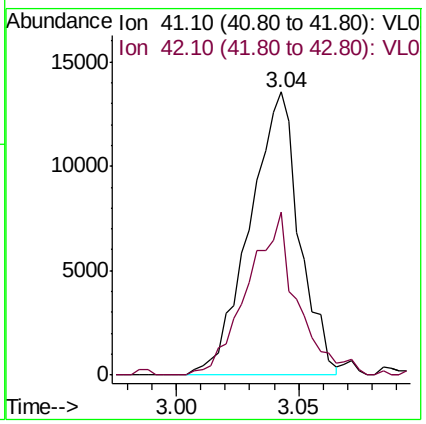




#9
Propene
Concen: 0.531 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.01 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 41 Resp: 19185

Ion	Ratio	Lower	Upper
41	100		
42	58.5	56.3	84.5



Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

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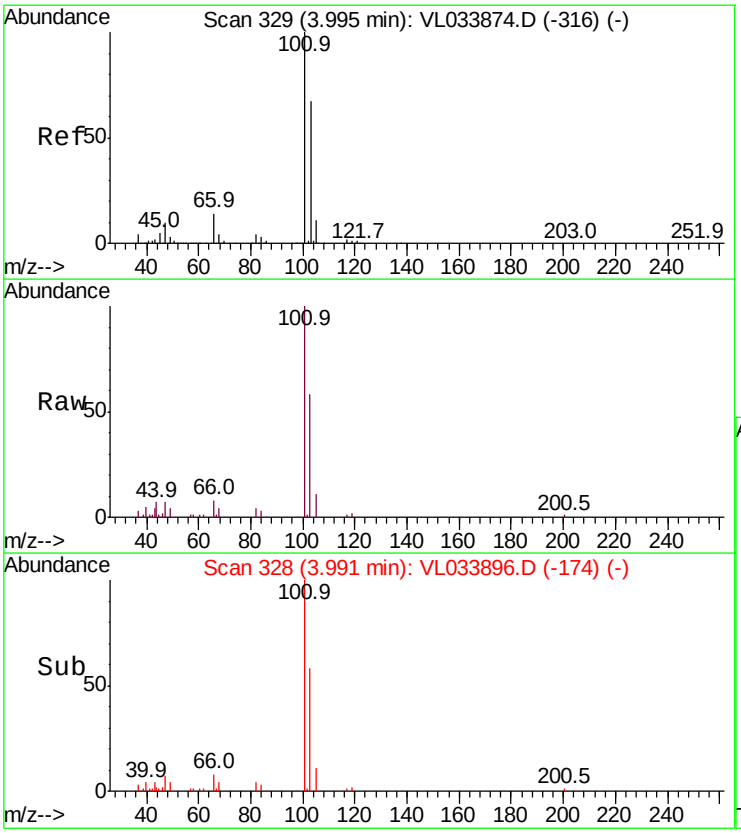
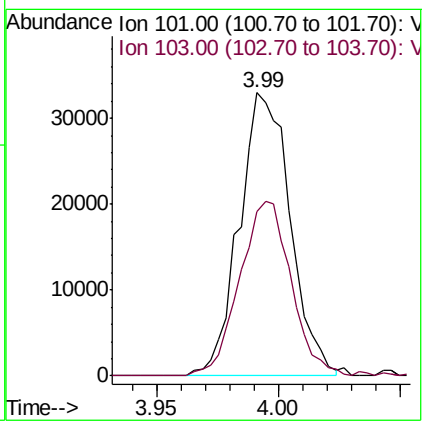
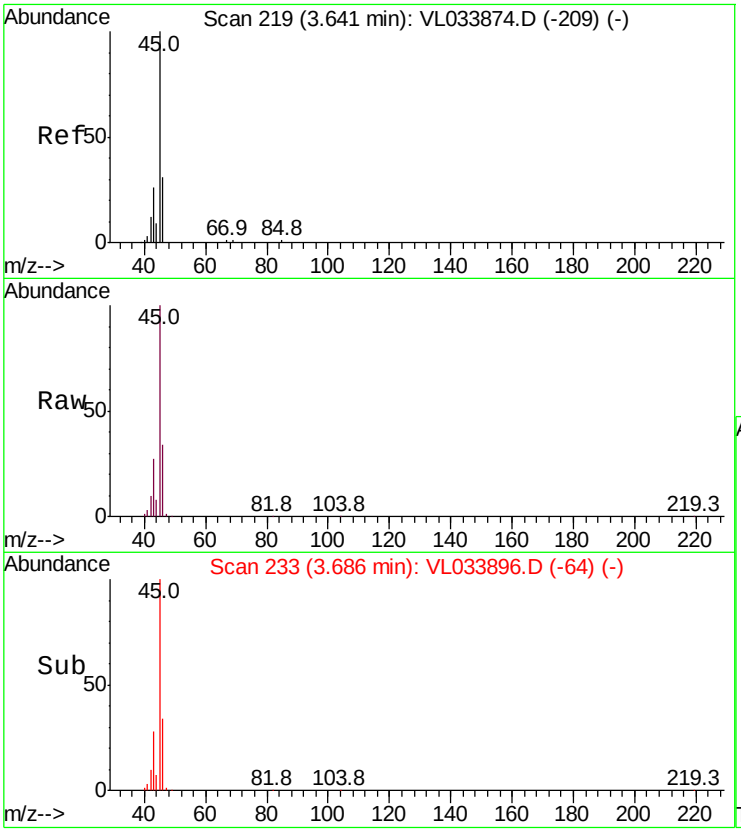


#11
Trichlorofluoromethane
Concen: 0.277 ppbv
RT: 3.99 min Scan# 328
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion:101 Resp: 47641

Ion	Ratio	Lower	Upper
101	100		
103	58.1	53.6	80.4

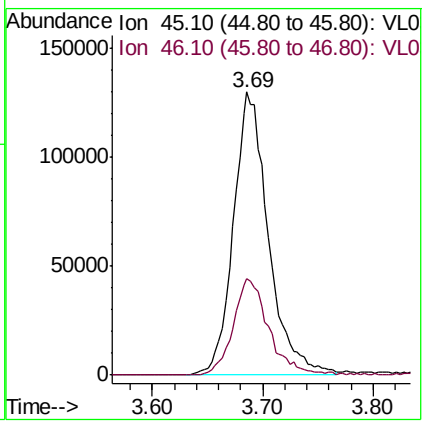




#13
Ethanol
Concen: 24.295 ppbv
RT: 3.69 min Scan# 233
Delta R.T. 0.04 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 45 Resp: 285611

Ion	Ratio	Lower	Upper
45	100		
46	34.7	15.3	61.1



Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

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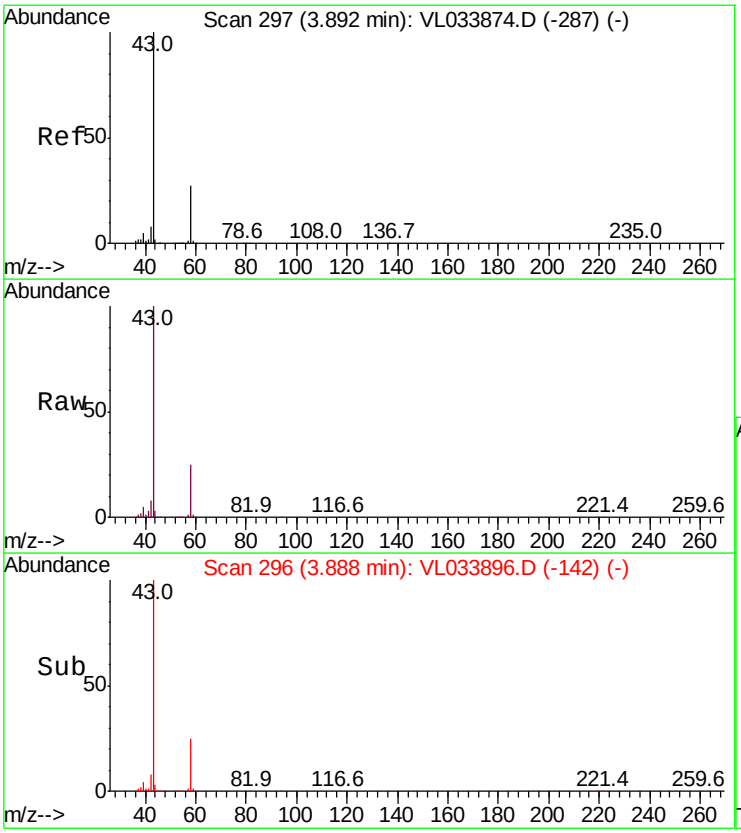
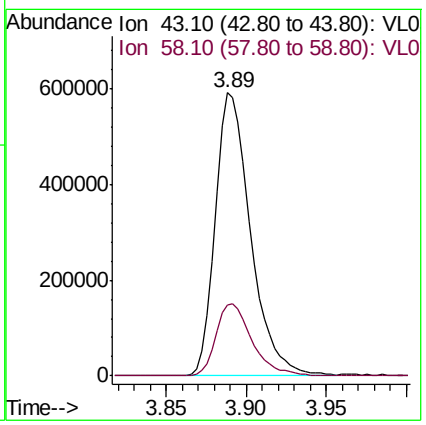
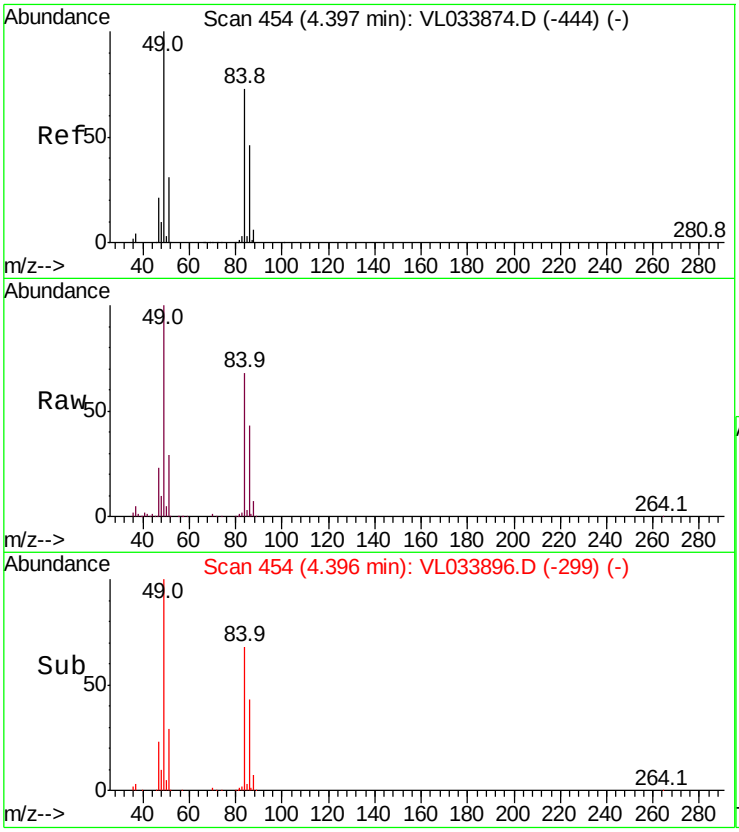


#15
Acetone
Concen: 7.446 ppbv
RT: 3.89 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 43 Resp: 890817

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.3	31.9

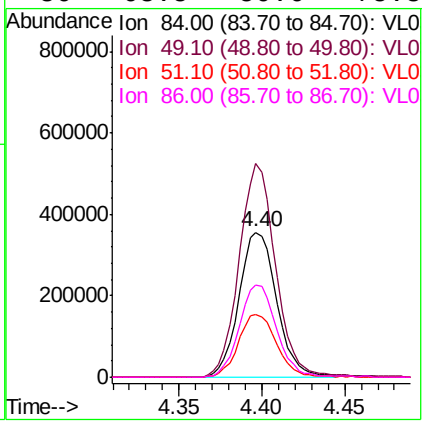




#20
Methylene Chloride
Concen: 12.081 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 84 Resp: 563593

Ion	Ratio	Lower	Upper
84	100		
49	147.7	110.0	165.0
51	43.2	34.6	51.8
86	63.5	50.6	75.8



Instrument :
MSVOA_L
ClientSampleId :
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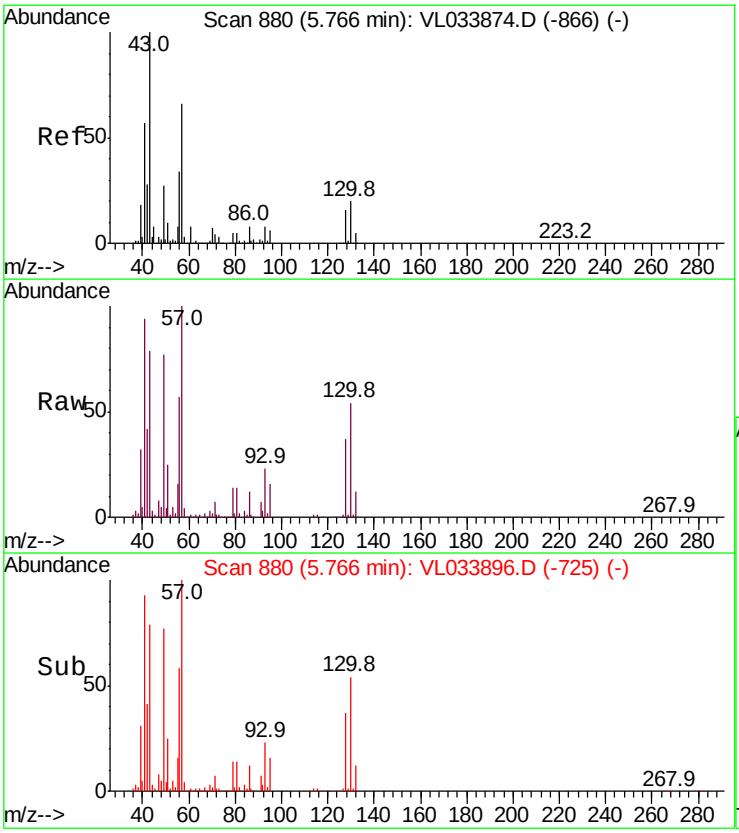
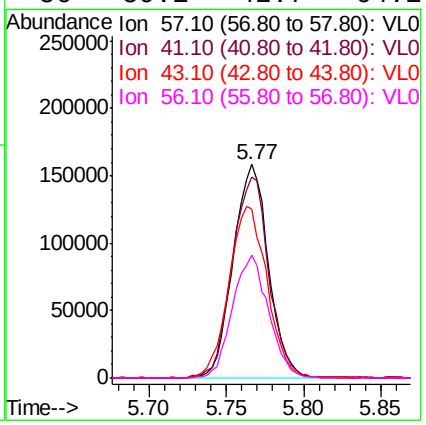
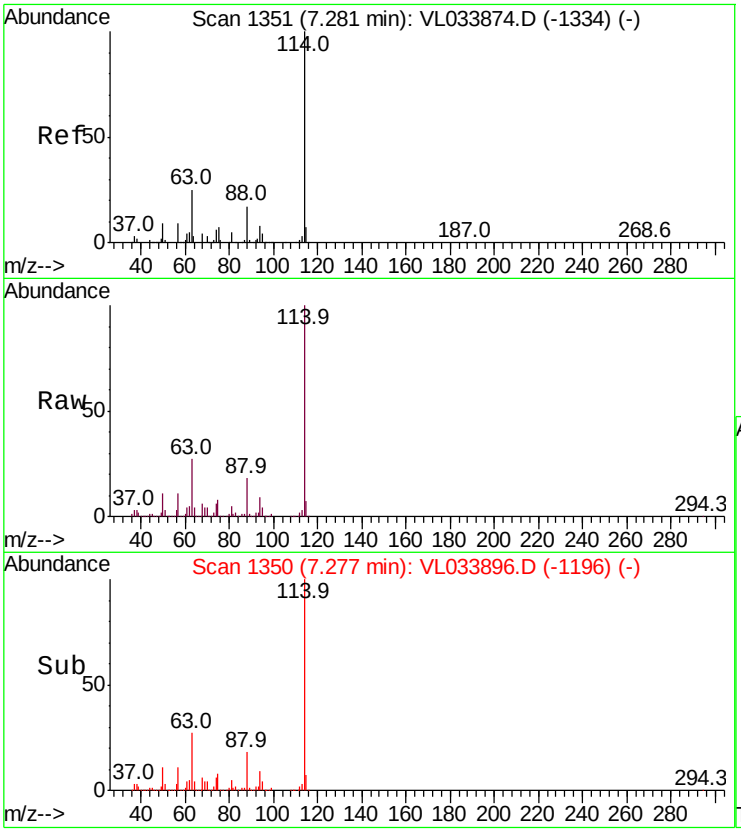


#26
Hexane
Concen: 3.015 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 57 Resp: 250127

Ion	Ratio	Lower	Upper
57	100		
41	98.8	71.4	107.2
43	88.1	183.7	275.5#
56	59.1	42.7	64.1

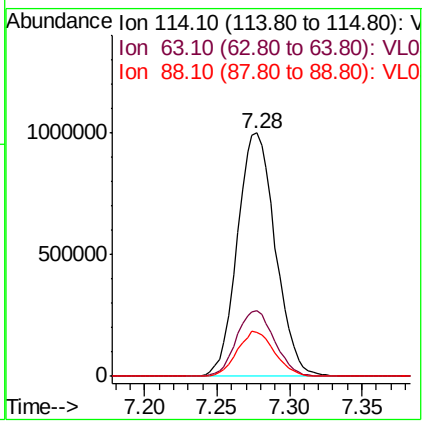




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion:114 Resp: 1823459

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.1	31.7
88	18.0	14.2	21.4



Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

Manual Integrations APPROVED
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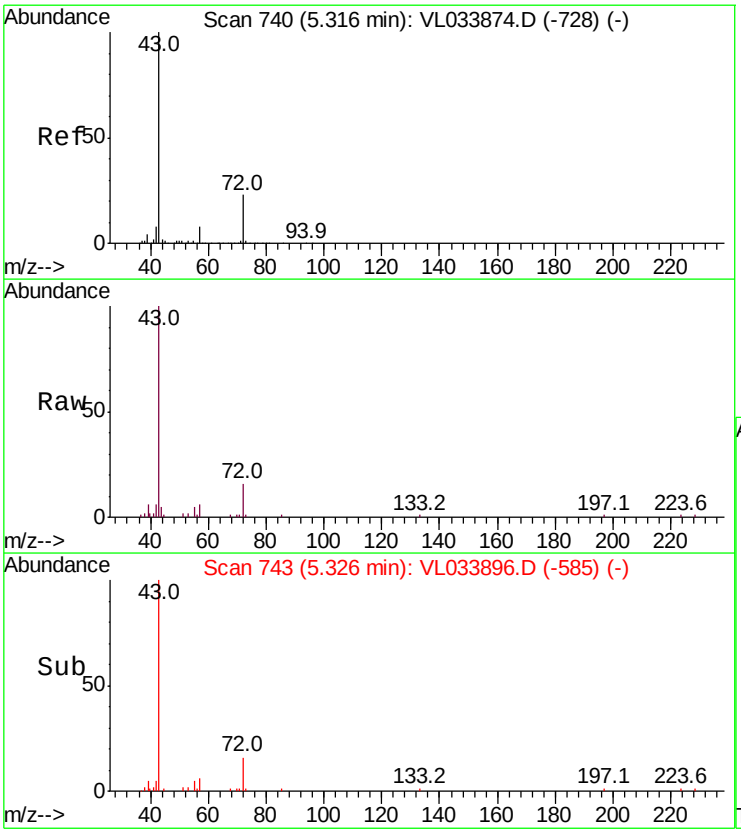
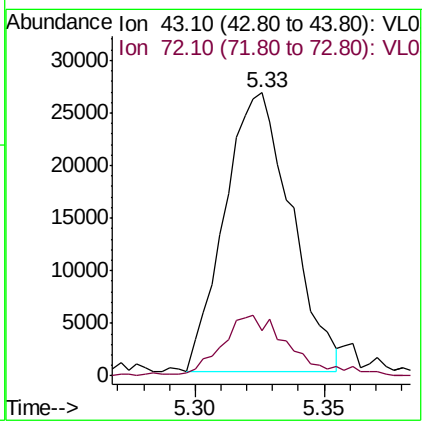
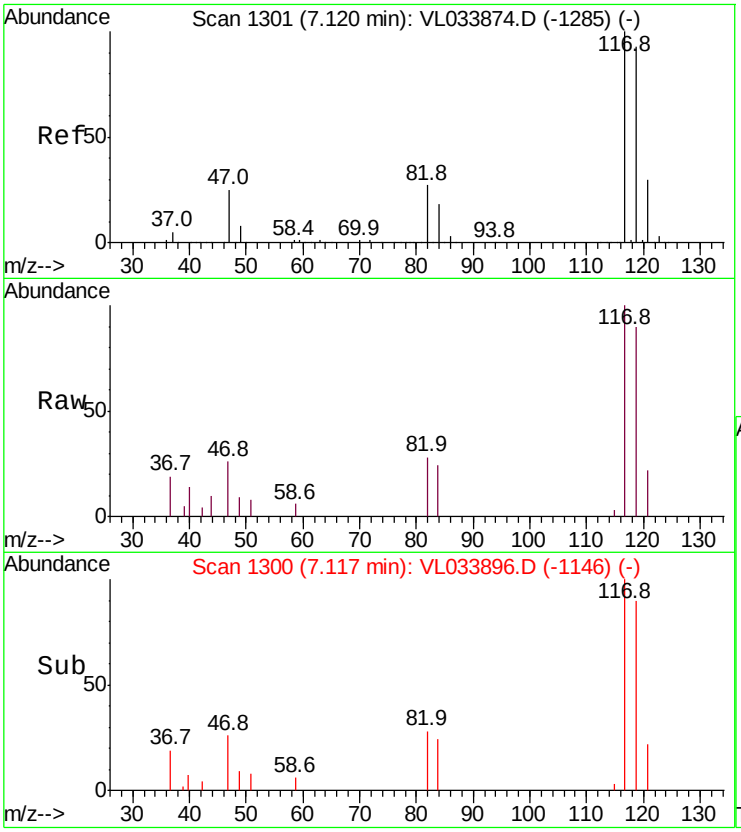


#34
2-Butanone
Concen: 0.463 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.01 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 43 Resp: 47605

Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.9	26.9

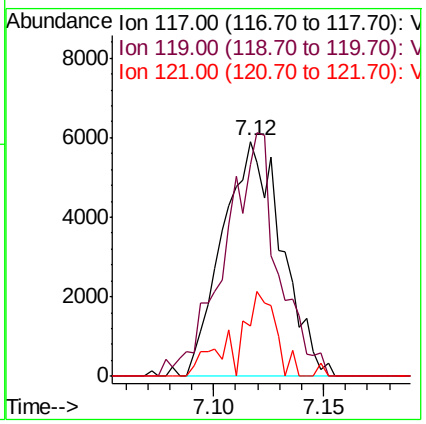




#35
Carbon Tetrachloride
Concen: 0.079 ppbv m
RT: 7.12 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion:117 Resp: 11121

Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.6	111.8
121	21.6	24.0	36.0#



Instrument :
MSVOA_L
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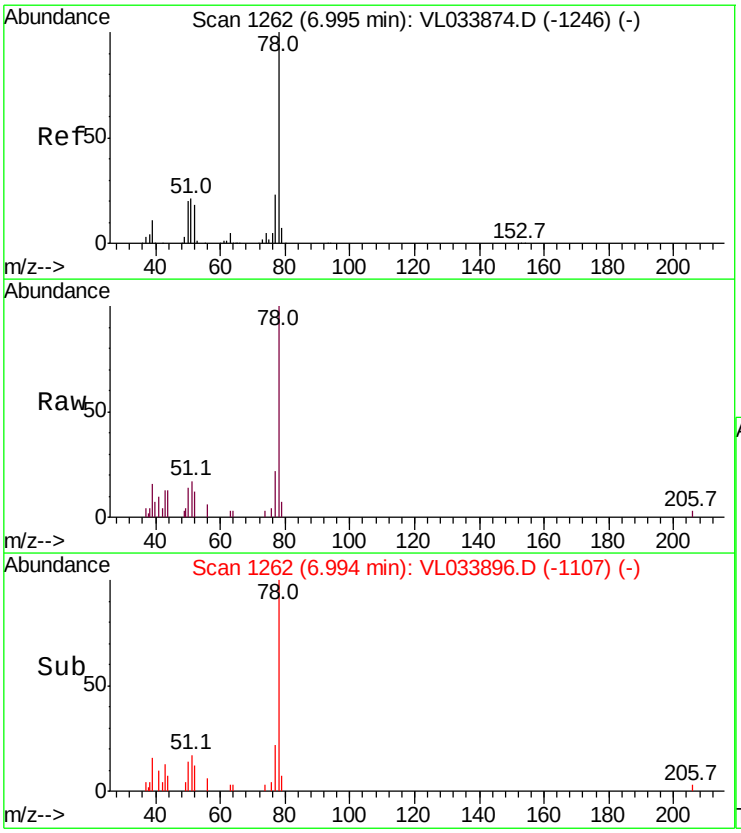
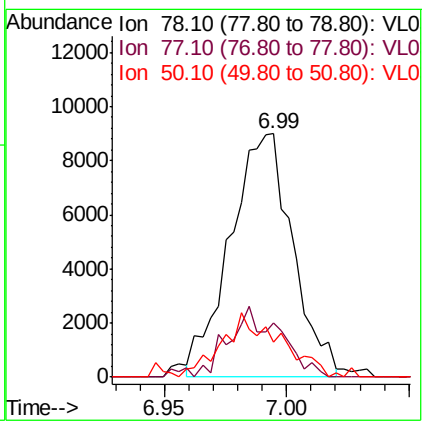
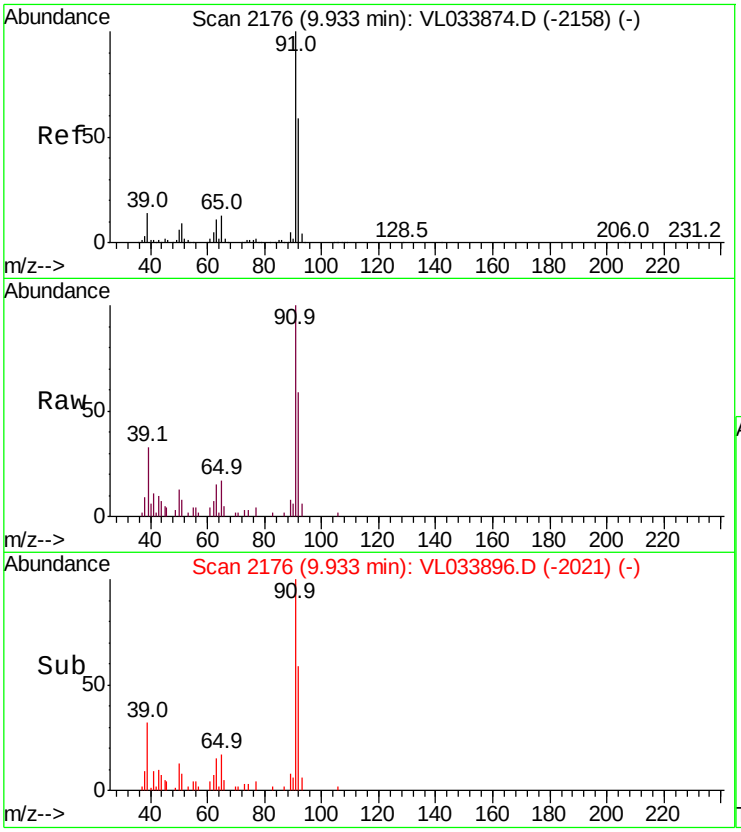


#36
Benzene
Concen: 0.115 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion: 78 Resp: 15985

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2
50	13.0	15.9	23.9#





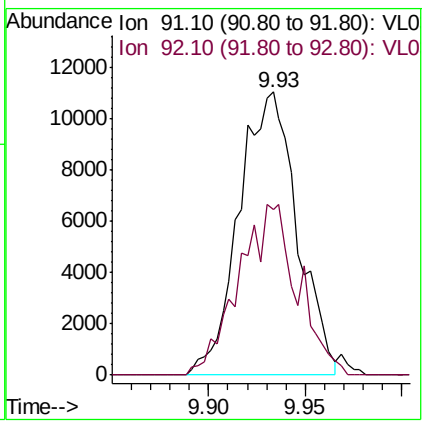
#53
Toluene
Concen: 0.150 ppbv m
RT: 9.93 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

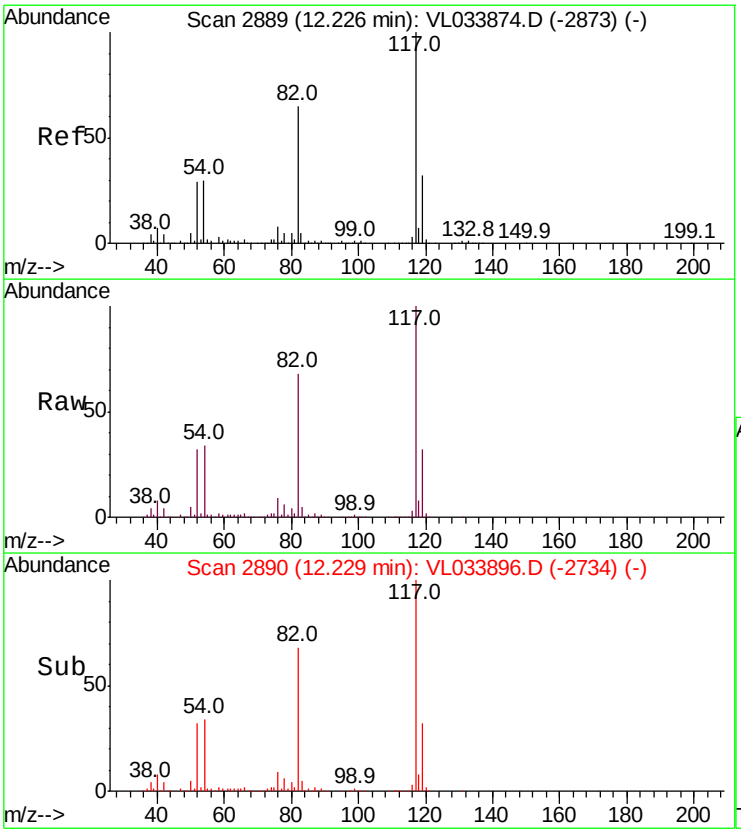
Tgt Ion: 91 Resp: 23136

Ion	Ratio	Lower	Upper
91	100		
92	61.2	47.0	70.6

Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

Manual Integrations APPROVED
MMDadoda
6/11/2019 9:19:01 AM

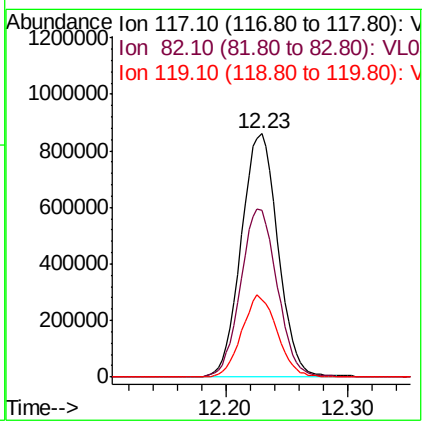


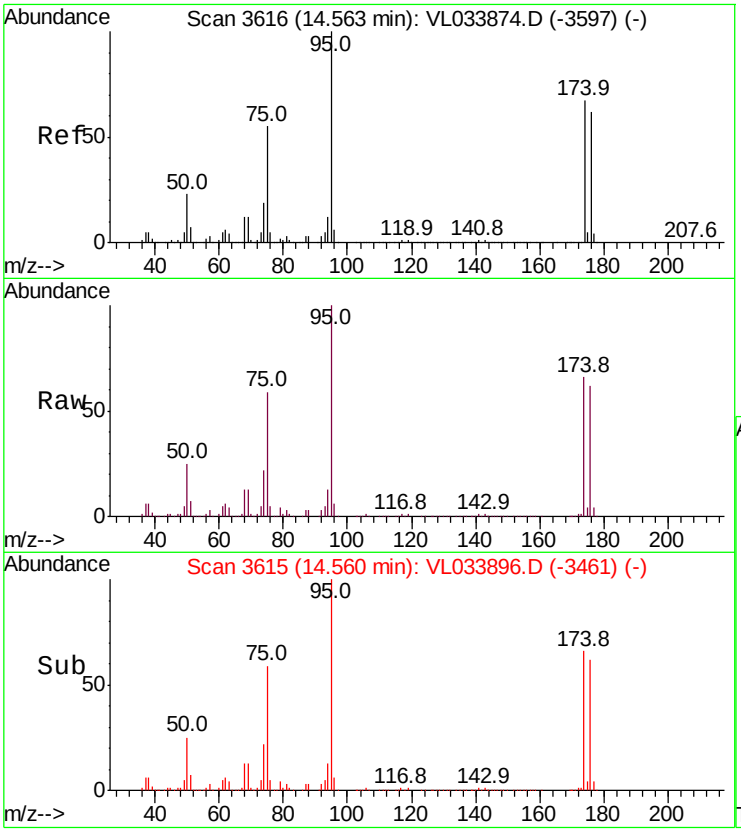


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion:117 Resp: 1784134

Ion	Ratio	Lower	Upper
117	100		
82	69.2	50.2	75.2
119	32.6	24.8	37.2

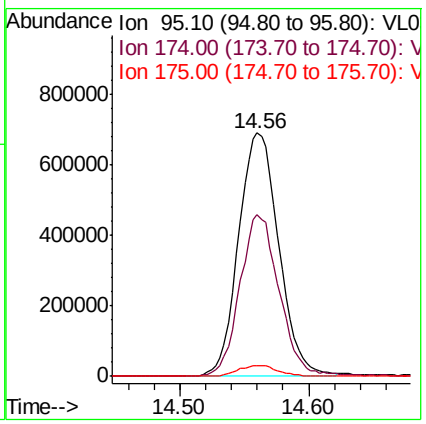




#68
1-Bromo-4-Fluorobenzene
Concen: 10.236 ppbv
RT: 14.56 min Scan# 3615
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

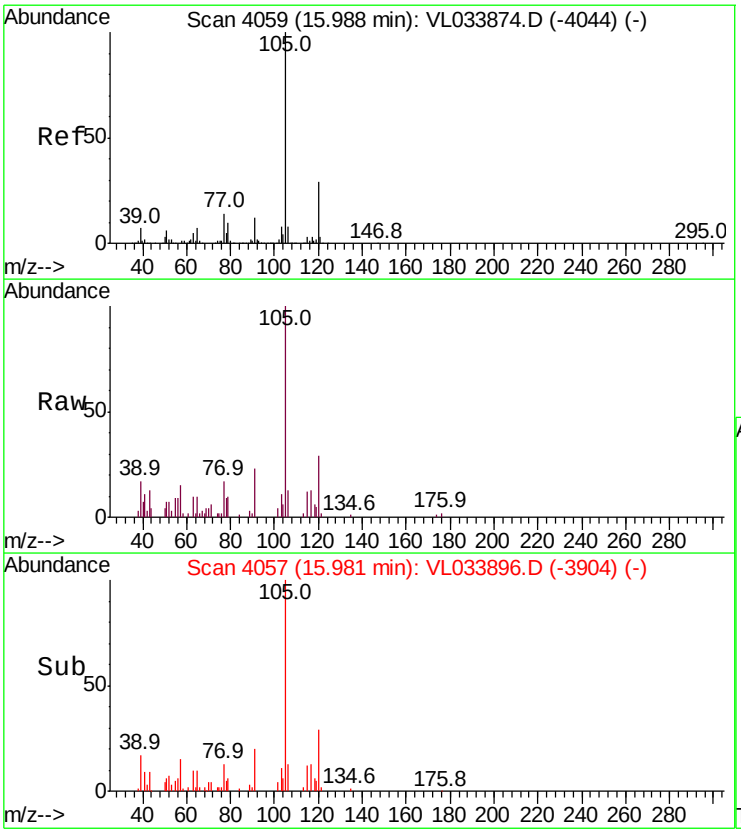
Tgt Ion: 95 Resp: 1500095

Ion	Ratio	Lower	Upper
95	100		
174	65.2	54.0	81.0
175	4.5	3.8	5.8



Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

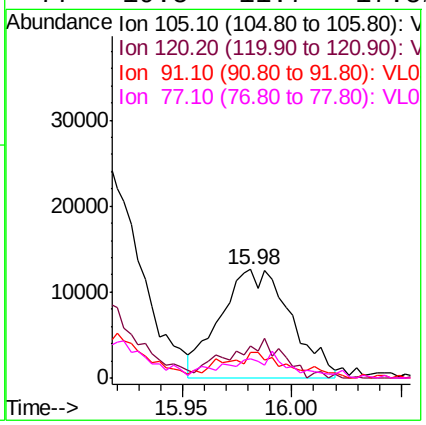
Manual Integrations APPROVED
MMDadoda
6/11/2019 9:19:01 AM

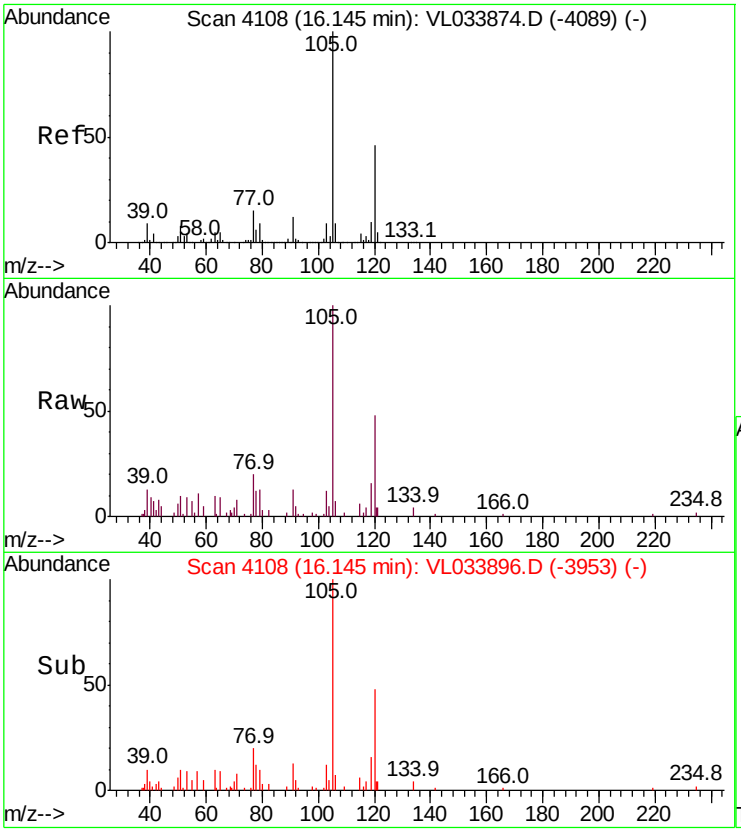


#72
4-Ethyltoluene
Concen: 0.132 ppbv m
RT: 15.98 min Scan# 4057
Delta R.T. -0.01 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion:105 Resp: 28334

Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.5	35.3
91	22.8	10.4	15.6#
77	19.5	11.7	17.5#

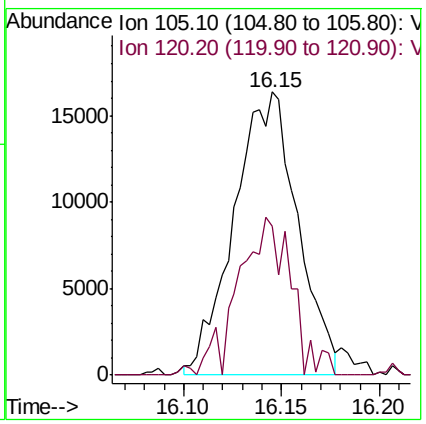




#73
1,3,5-Trimethylbenzene
Concen: 0.173 ppbv m
RT: 16.15 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

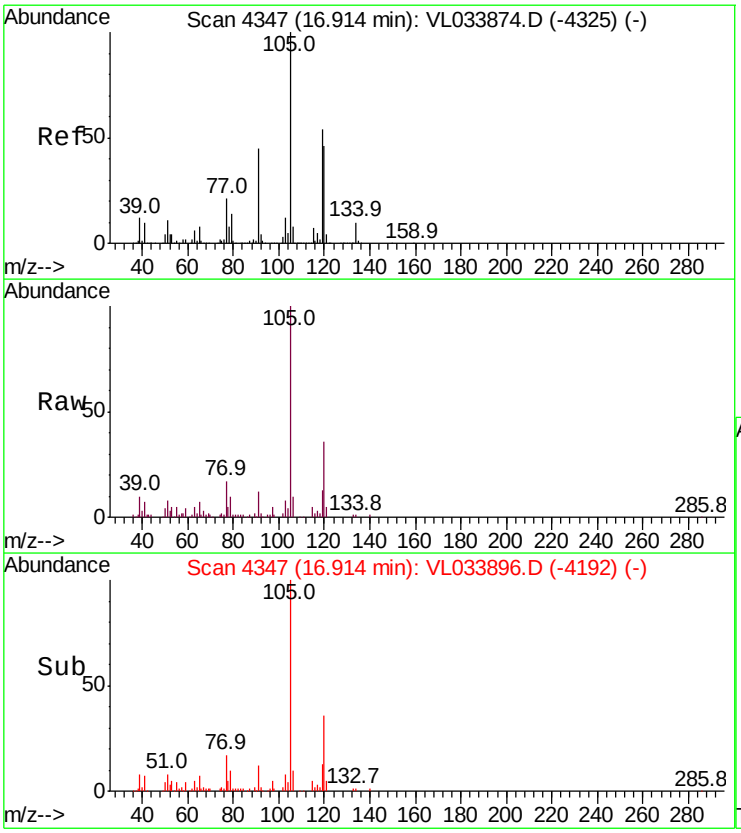
Tgt Ion:105 Resp: 36697

Ion	Ratio	Lower	Upper
105	100		
120	48.3	37.1	55.7



Instrument :
MSVOA_L
ClientSampleId :
INST.ROOM

Manual Integrations APPROVED
MMDadoda
6/11/2019 9:19:01 AM



#74
1,2,4-Trimethylbenzene
Concen: 0.470 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033896.D
Acq: 7 Jun 2019 19:40

Tgt Ion:105 Resp: 114678

Ion	Ratio	Lower	Upper
105	100		
120	35.6	36.7	55.1#
91	11.4	35.8	53.8#
77	21.8	16.9	25.3