Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033640.D
Acq On : 2 May 2019 23:05
Operator : SY/AP
Sample : K2628-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-8

Manual Integrations APPROVED
MMDadoda
5/4/2019 7:18:46 AM

Quant Time: May 03 08:51:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	877187	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2026178	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2025053	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1669892	10.83	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	64147	0.485	ppbv		96
3) Chlorodifluoromethane	3.01	51	46329m	0.442	ppbv		
4) Chloromethane	3.17	50	29080	0.509	ppbv		99
11) Trichlorofluoromethane	4.00	101	40000	0.255	ppbv		97
13) Ethanol	3.65	45	849234	62.371	ppbv		99
15) Acetone	3.90	43	392653	3.677	ppbv		99
19) Isopropyl Alcohol	4.03	45	178511	2.435	ppbv	#	95
20) Methylene Chloride	4.40	84	34639	0.832	ppbv	#	91
26) Hexane	5.78	57	56140m	0.658	ppbv		
34) 2-Butanone	5.34	43	29429m	0.237	ppbv		
35) Carbon Tetrachloride	7.13	117	10188m	0.063	ppbv		
36) Benzene	7.00	78	16883	0.098	ppbv	#	93
53) Toluene	9.94	91	1569613	7.204	ppbv		99

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

Quantitation Report (QT Reviewed)

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Instrument :
MSVOA_L
ClientSampleId :
A-8

Manual Integrations APPROVED
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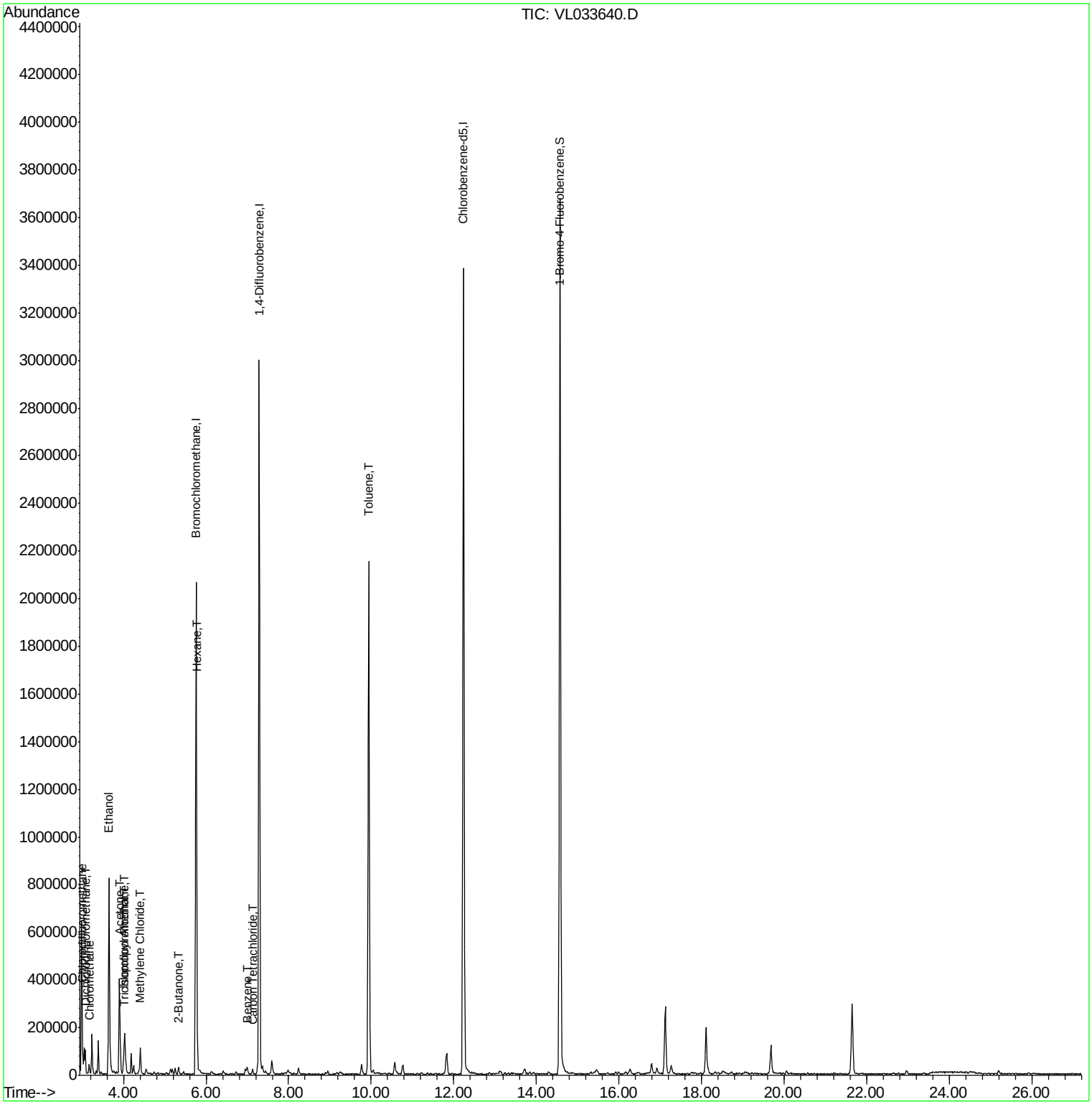
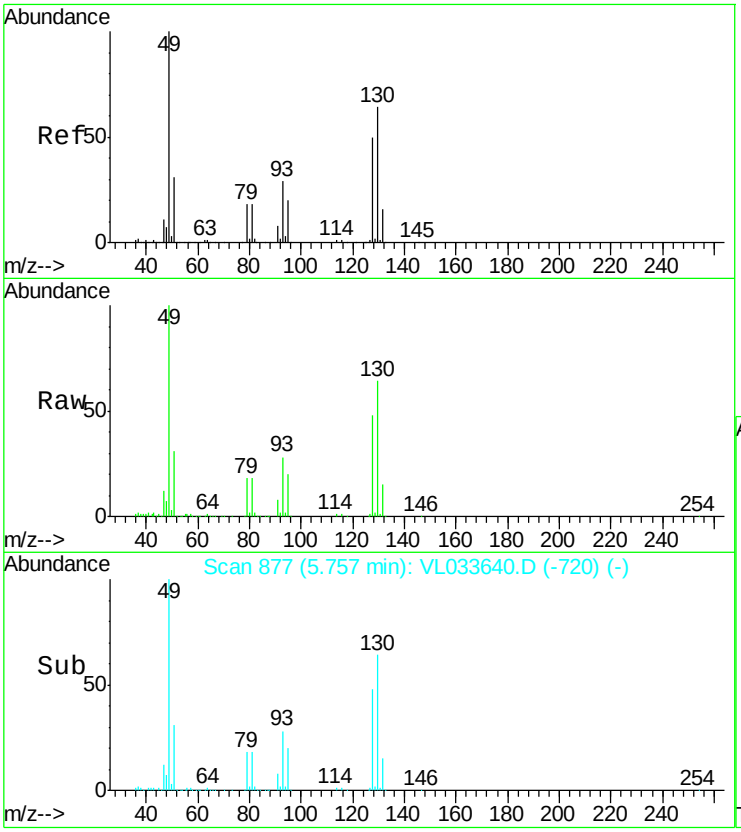
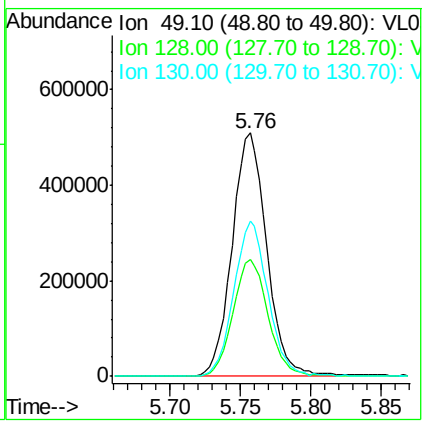




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 49 Resp: 877187

Ion	Ratio	Lower	Upper
49	100		
128	49.0	25.0	75.0
130	63.4	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
A-8

Manual Integrations APPROVED
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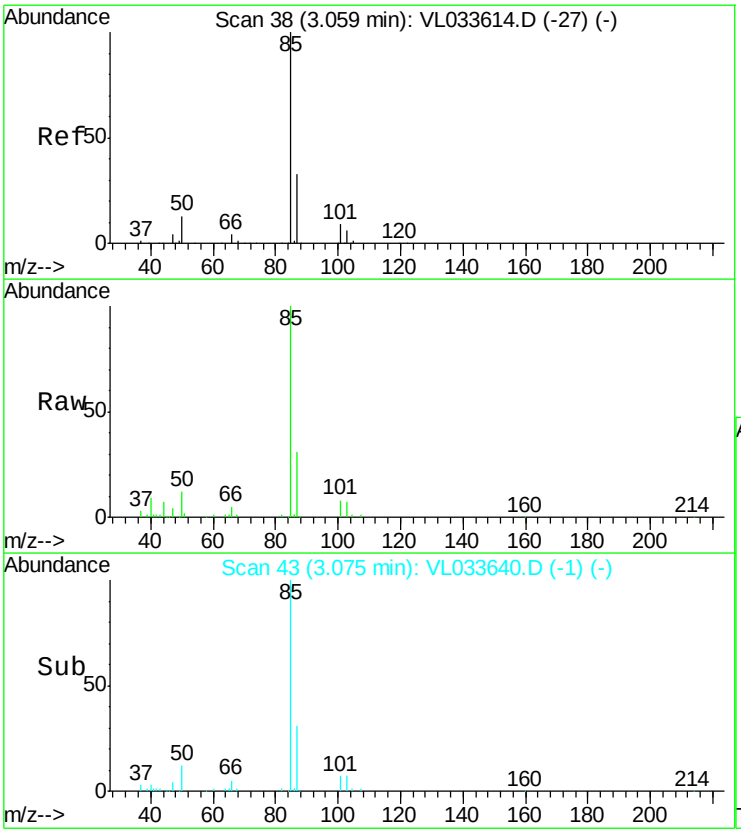
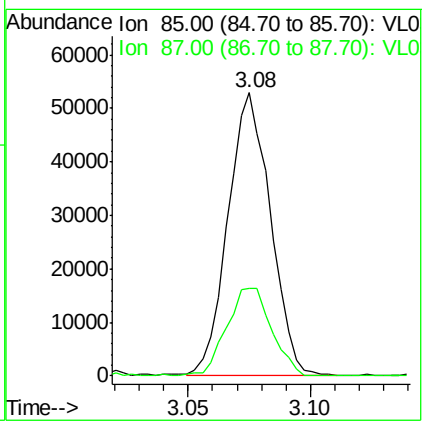
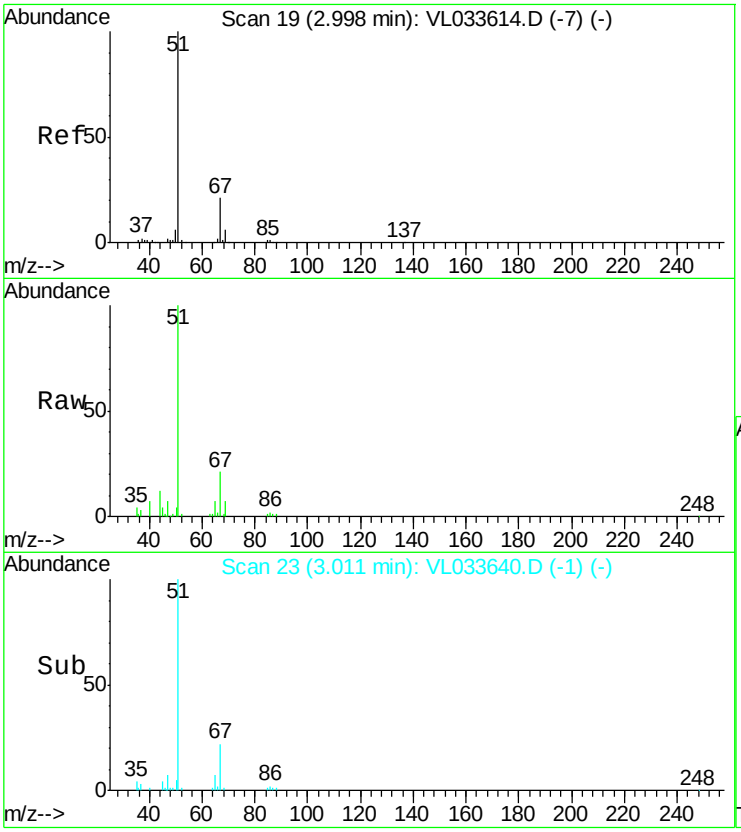


#2
Dichlorodifluoromethane
Concen: 0.485 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 85 Resp: 64147

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.8	40.2





#3
Chlorodifluoromethane
Concen: 0.442 ppbv m
RT: 3.01 min Scan# 23
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 51 Resp: 46329

Ion	Ratio	Lower	Upper
51	100		
67	0.0	15.6	23.4#

Instrument :
MSVOA_L
ClientSampleId :
A-8

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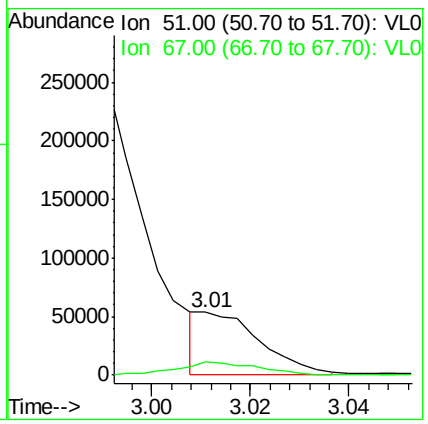
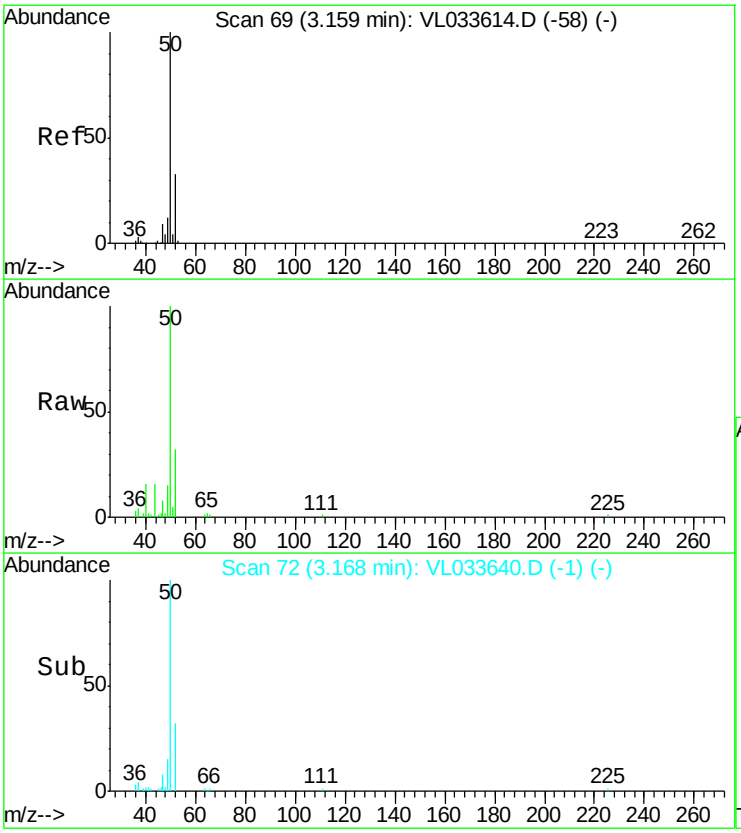
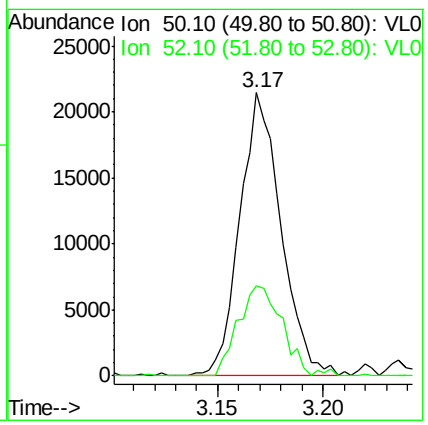


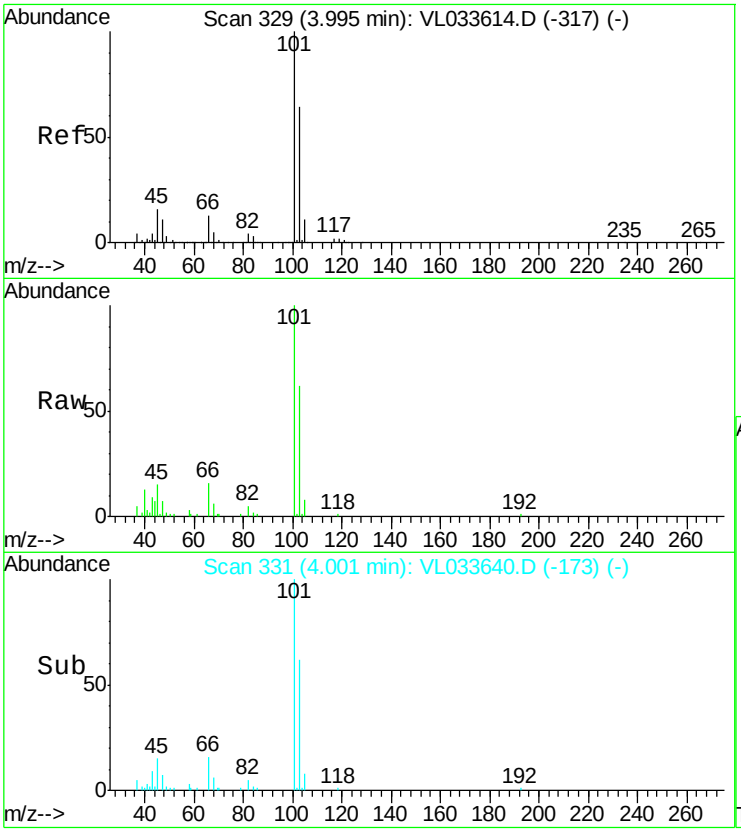


#4
Chloromethane
Concen: 0.509 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 50 Resp: 29080

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.0	39.0

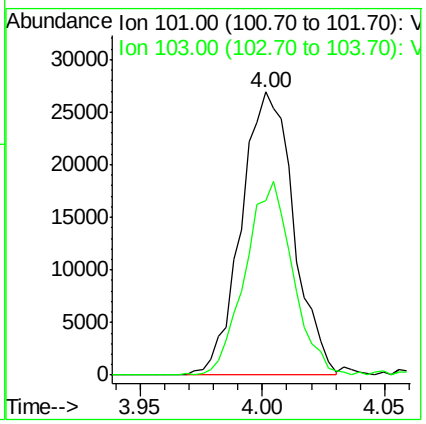




#11
Trichlorofluoromethane
Concen: 0.255 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion:101 Resp: 40000

Ion	Ratio	Lower	Upper
101	100		
103	61.5	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
A-8

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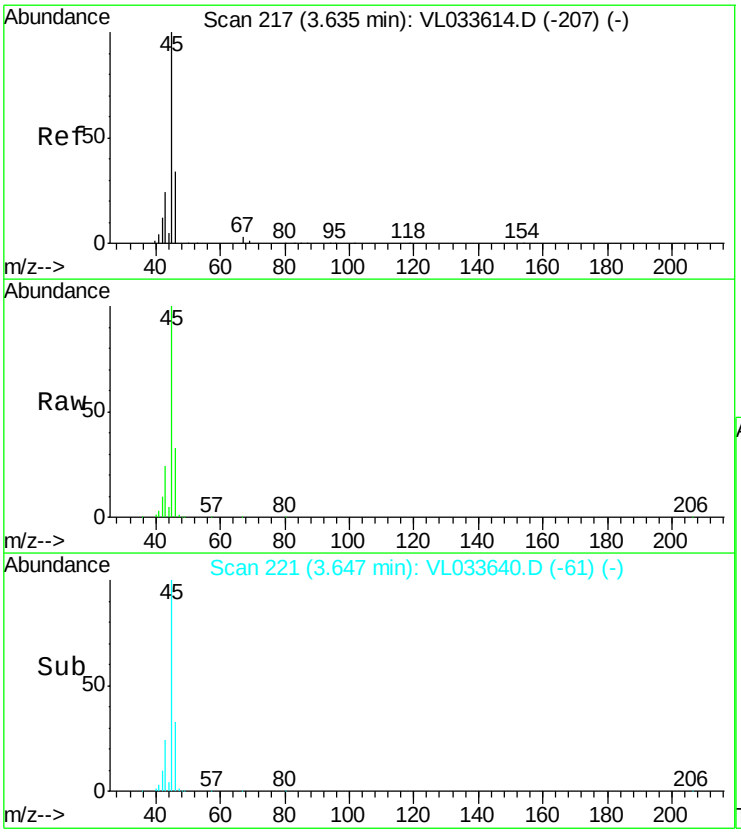
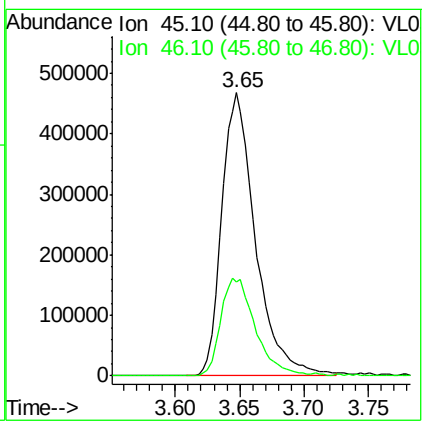
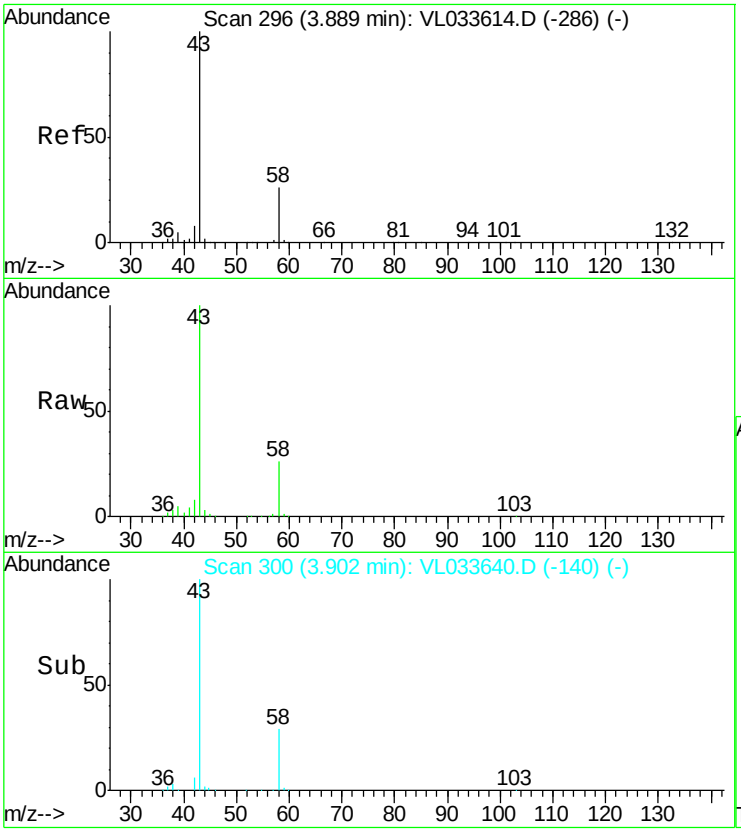


#13
Ethanol
Concen: 62.371 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 45 Resp: 849234

Ion	Ratio	Lower	Upper
45	100		
46	35.8	14.6	58.2

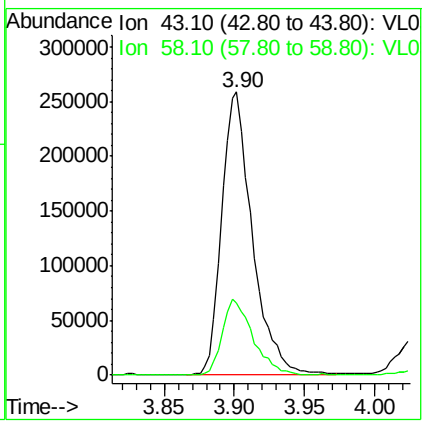




#15
Acetone
Concen: 3.677 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 43 Resp: 392653

Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.2	31.8



Instrument :
MSVOA_L
ClientSampleId :
A-8

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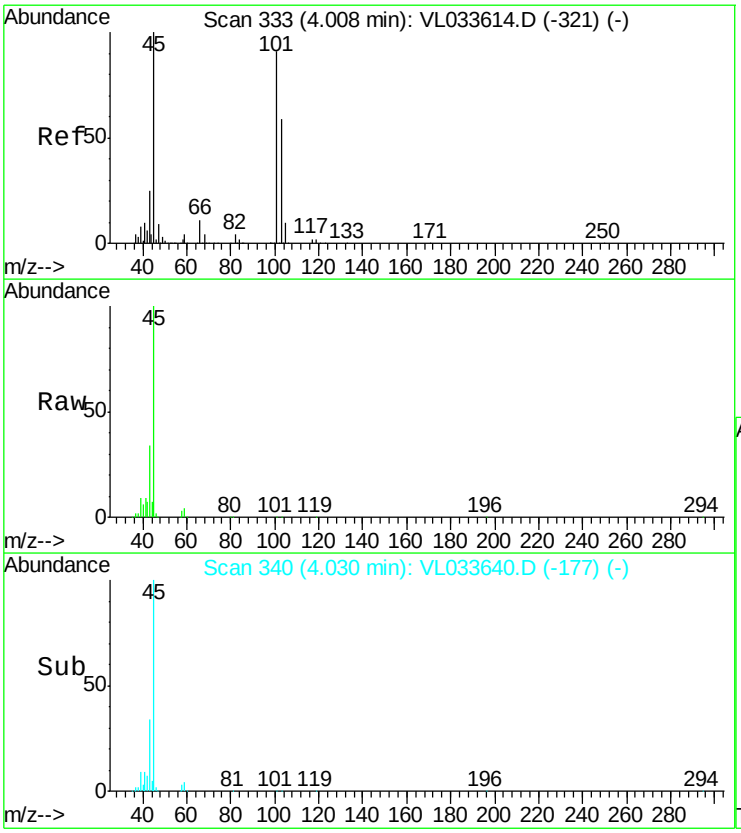
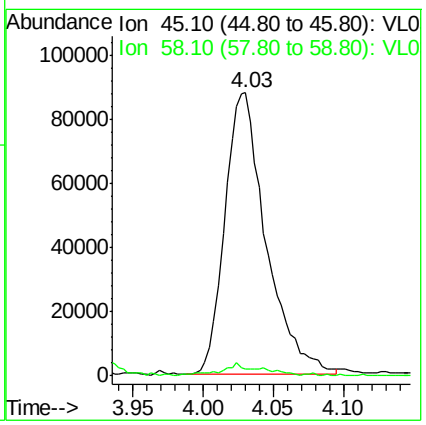
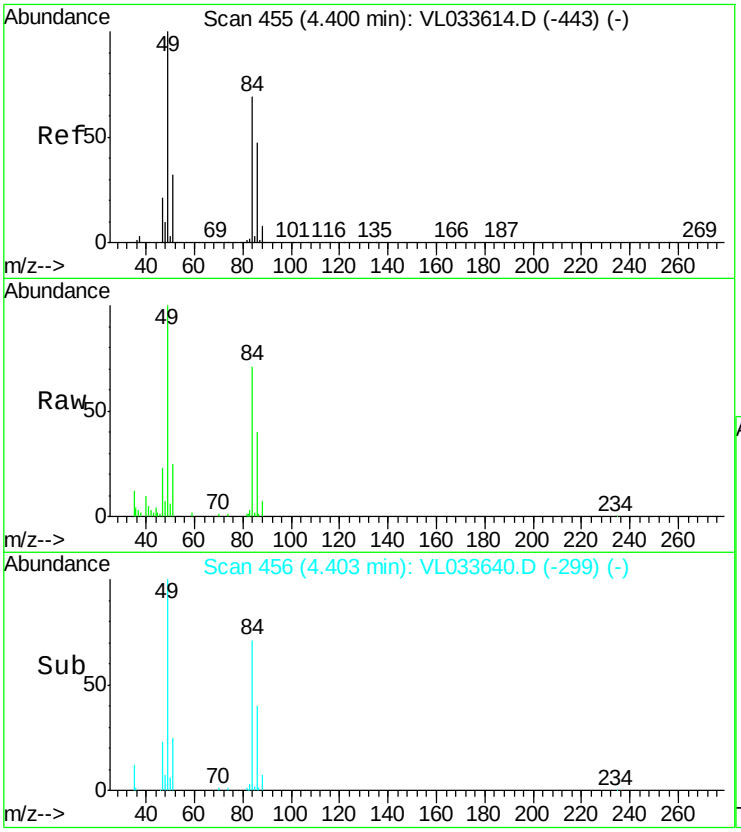


#19
Isopropyl Alcohol
Concen: 2.435 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 45 Resp: 178511

Ion	Ratio	Lower	Upper
45	100		
58	3.8	1.8	2.6#

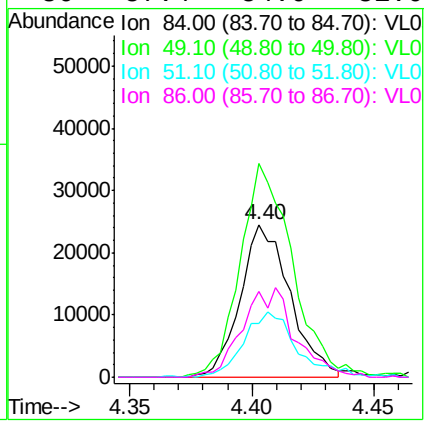




#20
Methylene Chloride
Concen: 0.832 ppbv
RT: 4.40 min Scan# 456
Delta R.T. 0.00 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 84 Resp: 34639

Ion	Ratio	Lower	Upper
84	100		
49	138.5	116.2	174.2
51	34.5	37.0	55.6#
86	57.4	54.0	81.0



Instrument :
MSVOA_L
ClientSampleId :
A-8

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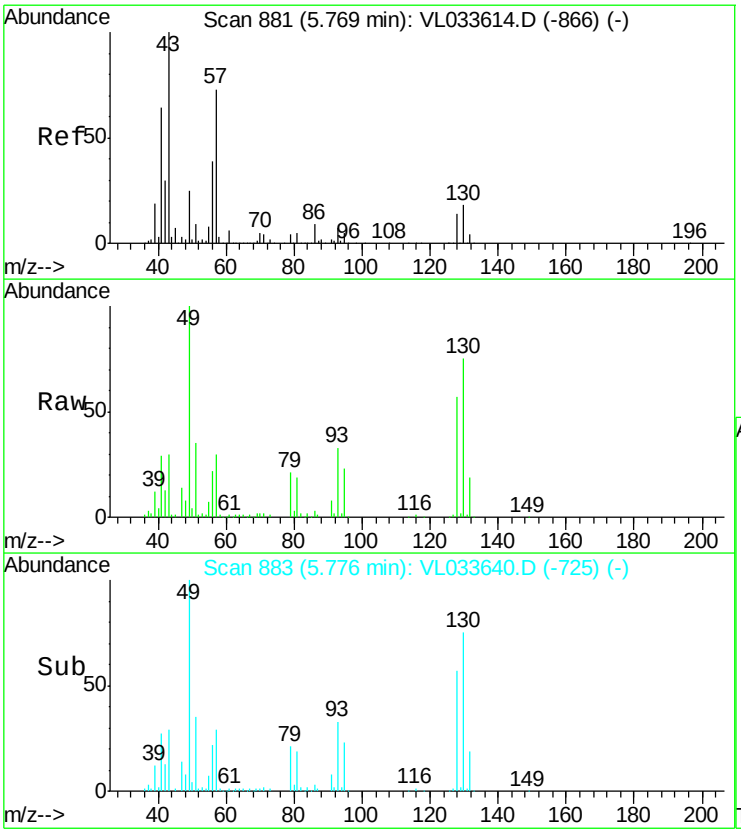
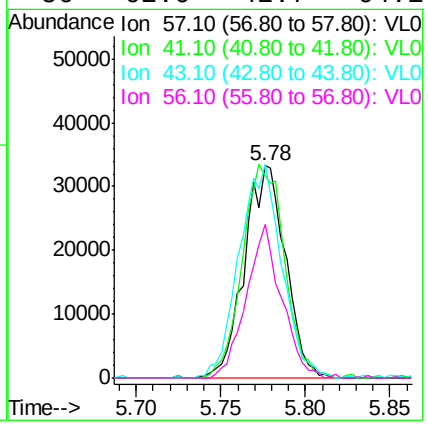
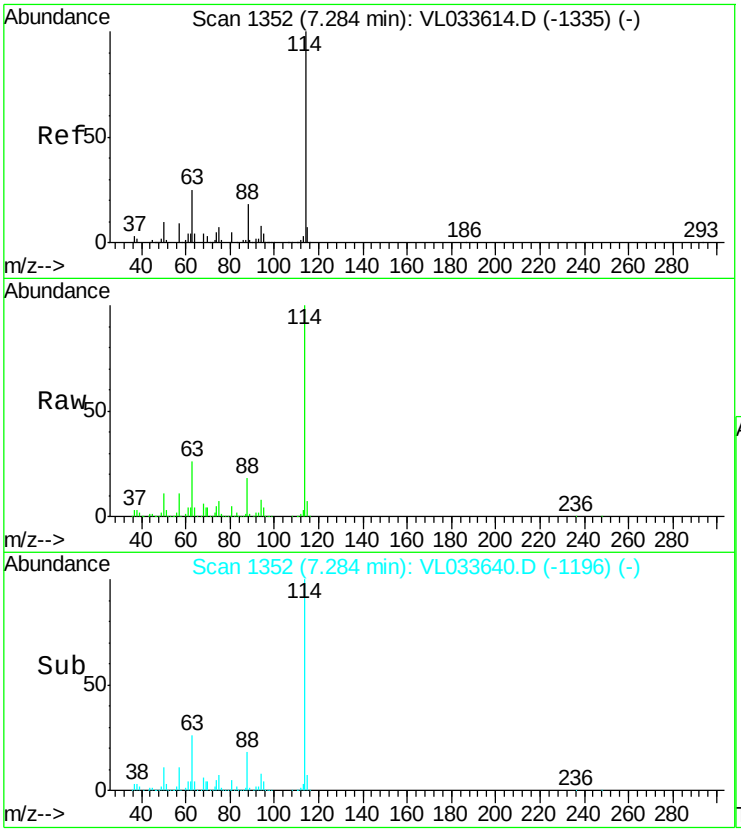


#26
Hexane
Concen: 0.658 ppbv m
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 57 Resp: 56140

Ion	Ratio	Lower	Upper
57	100		
41	103.3	70.6	106.0
43	104.5	186.0	279.0#
56	62.0	42.7	64.1

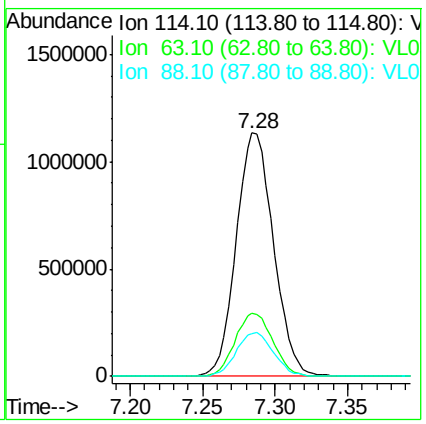




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion:114 Resp: 2026178

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.1	31.7
88	18.0	14.2	21.4



Instrument :
MSVOA_L
ClientSampleId :
A-8

Manual Integrations APPROVED
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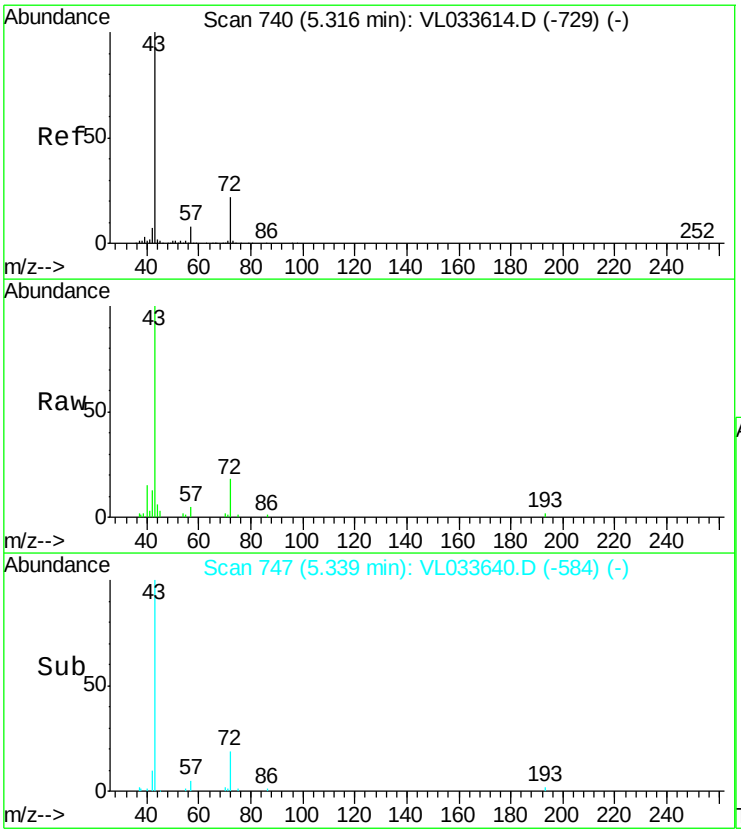
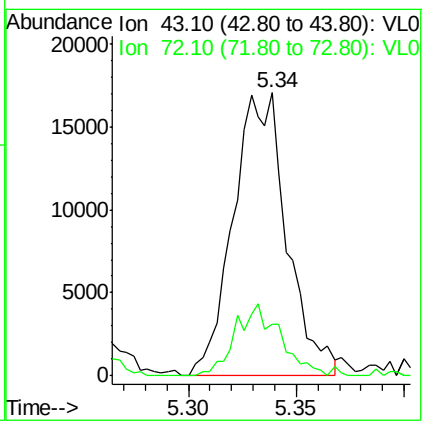
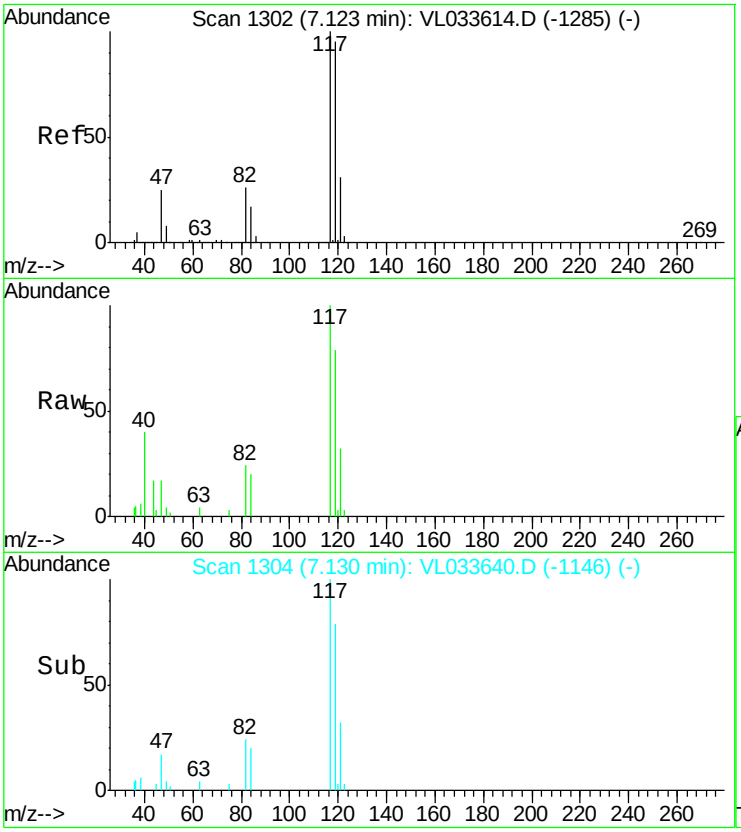


#34
2-Butanone
Concen: 0.237 ppbv m
RT: 5.34 min Scan# 747
Delta R.T. 0.02 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 43 Resp: 29429

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.8	26.8

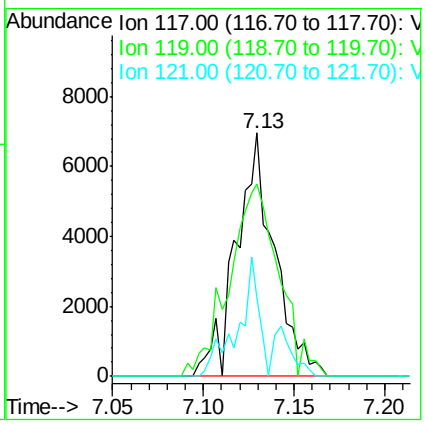




#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 7.13 min Scan# 1304
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion:117 Resp: 10188

Ion	Ratio	Lower	Upper
117	100		
119	79.1	76.2	114.4
121	32.5	24.9	37.3



Instrument :
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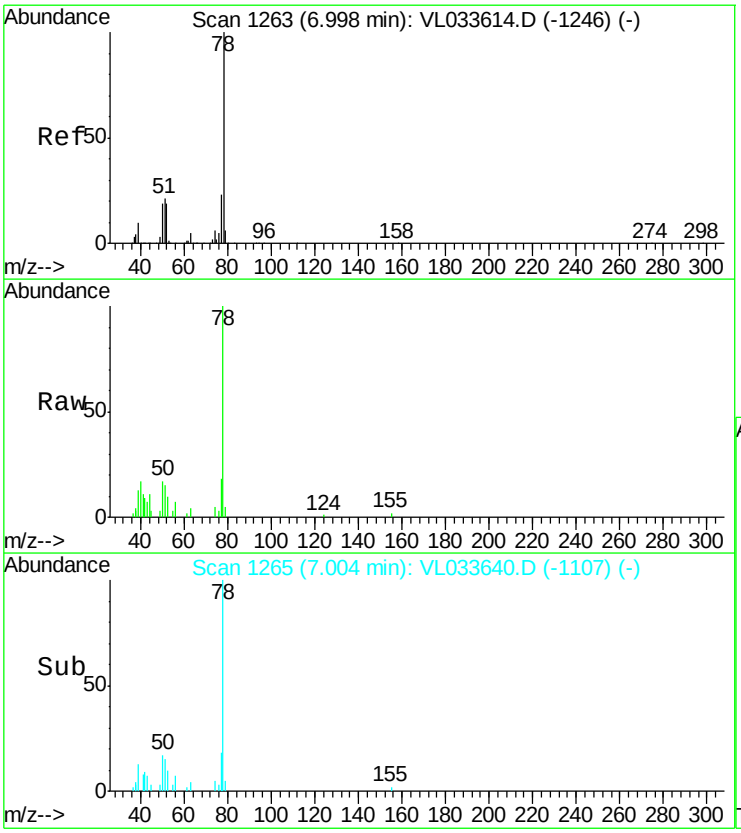
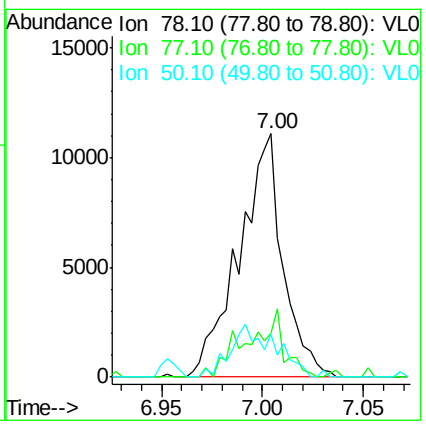
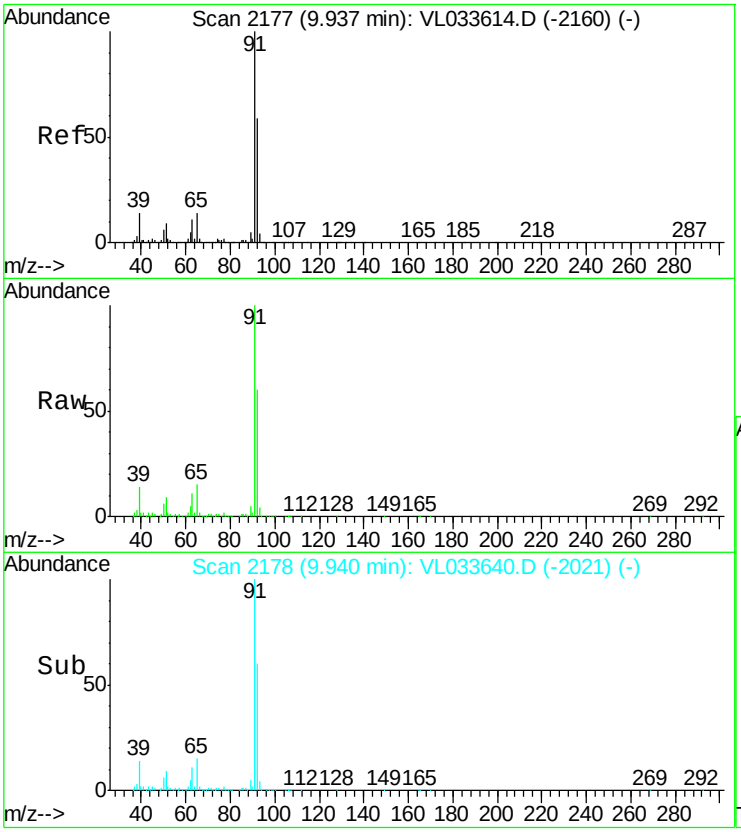


#36
Benzene
Concen: 0.098 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 78 Resp: 16883

Ion	Ratio	Lower	Upper
78	100		
77	17.8	18.1	27.1#
50	17.4	15.1	22.7





#53
Toluene
Concen: 7.204 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 91 Resp: 1569613

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.8	71.6

Instrument :
MSVOA_L
ClientSampleId :
A-8

Manual Integrations APPROVED
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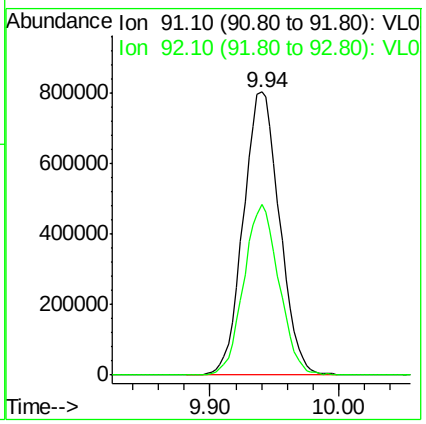
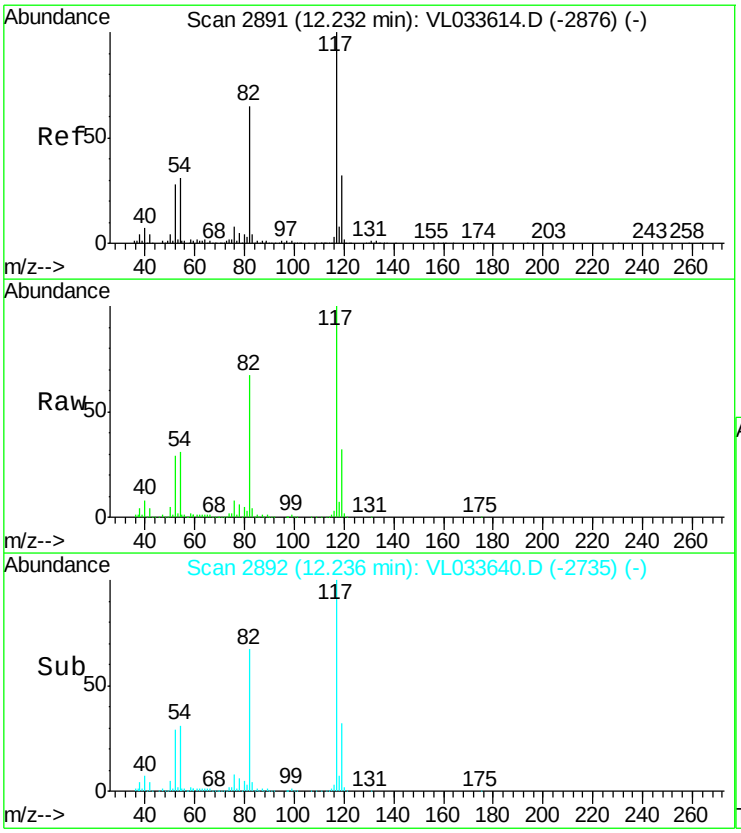
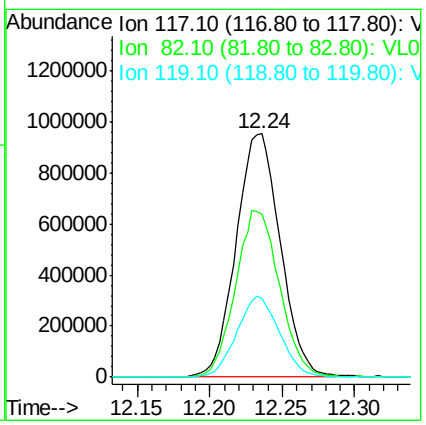


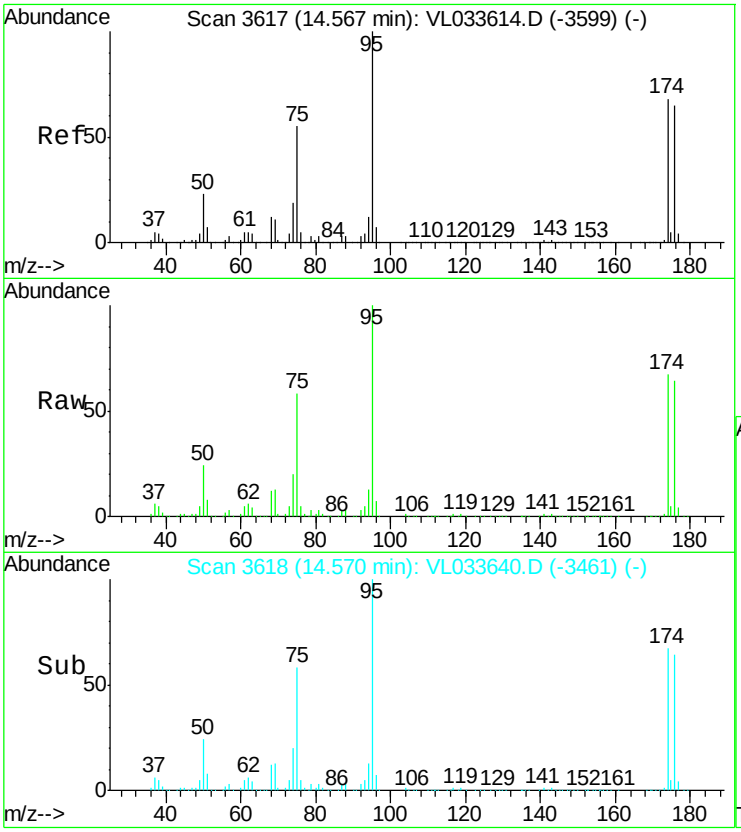


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion:117 Resp: 2025053

Ion	Ratio	Lower	Upper
117	100		
82	68.8	52.6	78.8
119	32.4	28.3	42.5

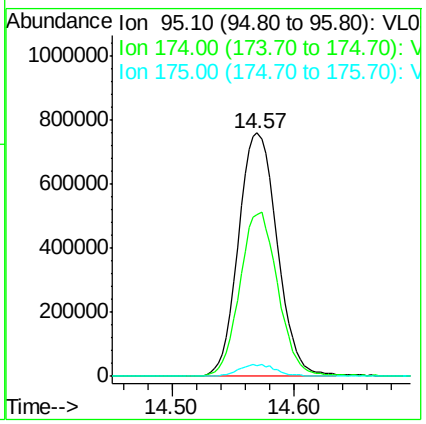




#68
1-Bromo-4-Fluorobenzene
Concen: 10.832 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033640.D
Acq: 2 May 2019 23:05

Tgt Ion: 95 Resp: 1669892

Ion	Ratio	Lower	Upper
95	100		
174	66.7	53.9	80.9
175	4.8	4.0	6.0



Instrument :
MSVOA_L
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