Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033627.D
Acq On : 2 May 2019 14:20
Operator : SY/AP
Sample : K2628-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
MMDadoda
5/4/2019 7:18:27 AM

Quant Time: May 03 08:48:02 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	906447	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2285402	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2317729	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1819035	10.31	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	44940	0.329	ppbv		98
3) Chlorodifluoromethane	3.02	51	32597m	0.301	ppbv		
4) Chloromethane	3.17	50	29594	0.501	ppbv	#	88
11) Trichlorofluoromethane	4.00	101	43089	0.265	ppbv		94
13) Ethanol	3.65	45	37217	2.645	ppbv		97
15) Acetone	3.90	43	204009	1.849	ppbv		98
20) Methylene Chloride	4.41	84	66133	1.538	ppbv		95
26) Hexane	5.78	57	143441	1.626	ppbv	#	39
34) 2-Butanone	5.34	43	20025	0.143	ppbv		96
35) Carbon Tetrachloride	7.13	117	12649m	0.070	ppbv		
36) Benzene	7.00	78	13672	0.070	ppbv	#	74
53) Toluene	9.94	91	327186	1.331	ppbv		98

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

Quantitation Report (QT Reviewed)

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QLast Update : Thu May 02 06:29:02 2019
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Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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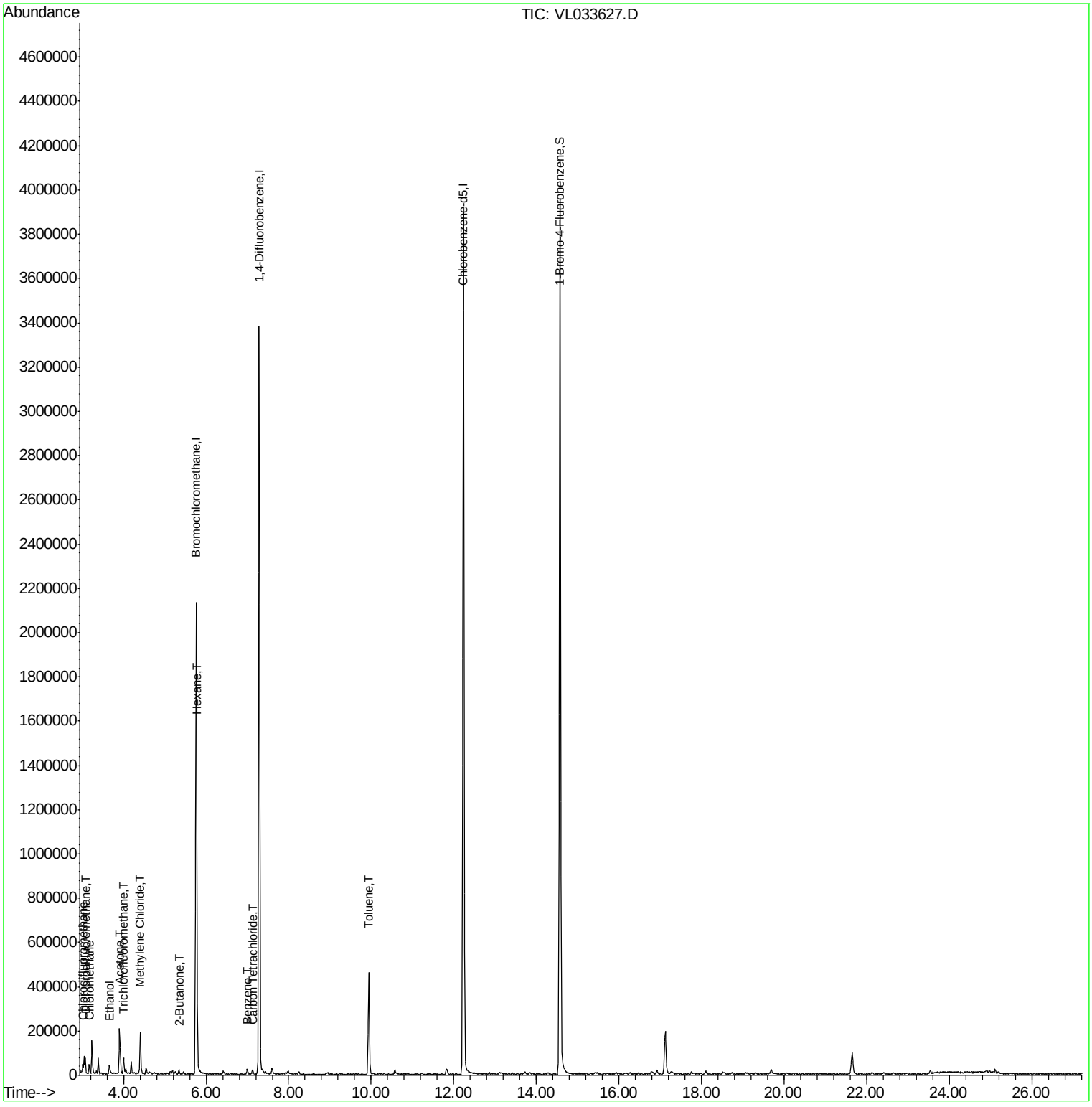
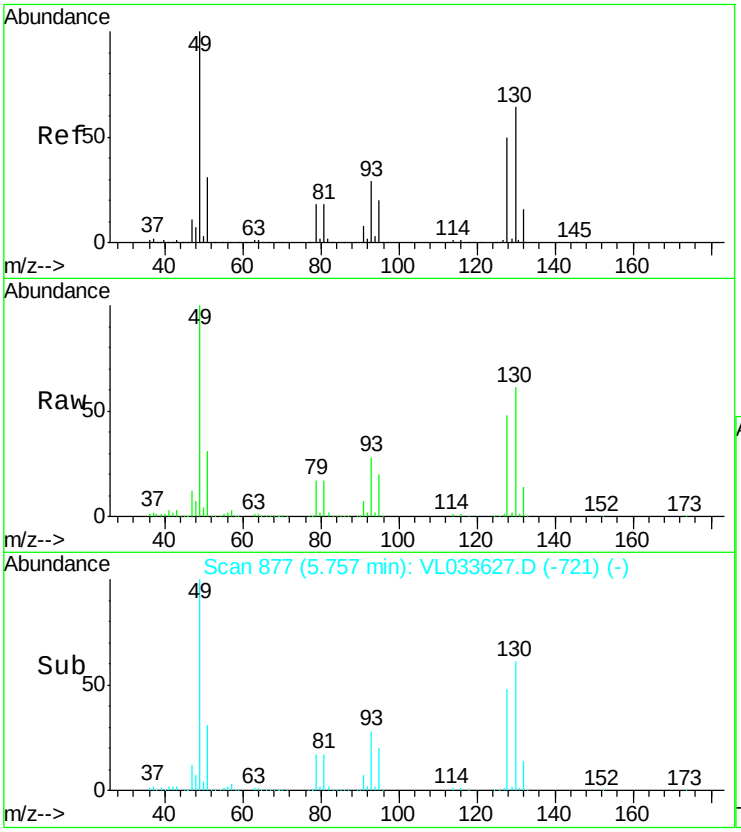
5/4/2019 7:18:27 AM

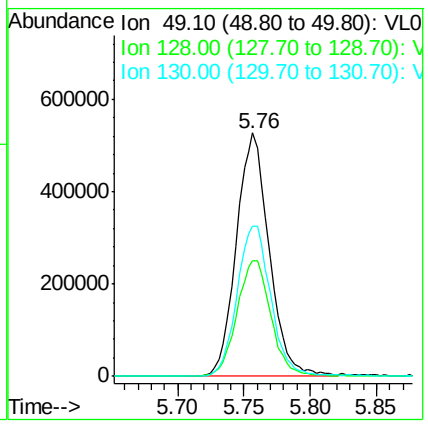




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 49 Resp: 906447

Ion	Ratio	Lower	Upper
49	100		
128	49.0	25.0	75.0
130	64.2	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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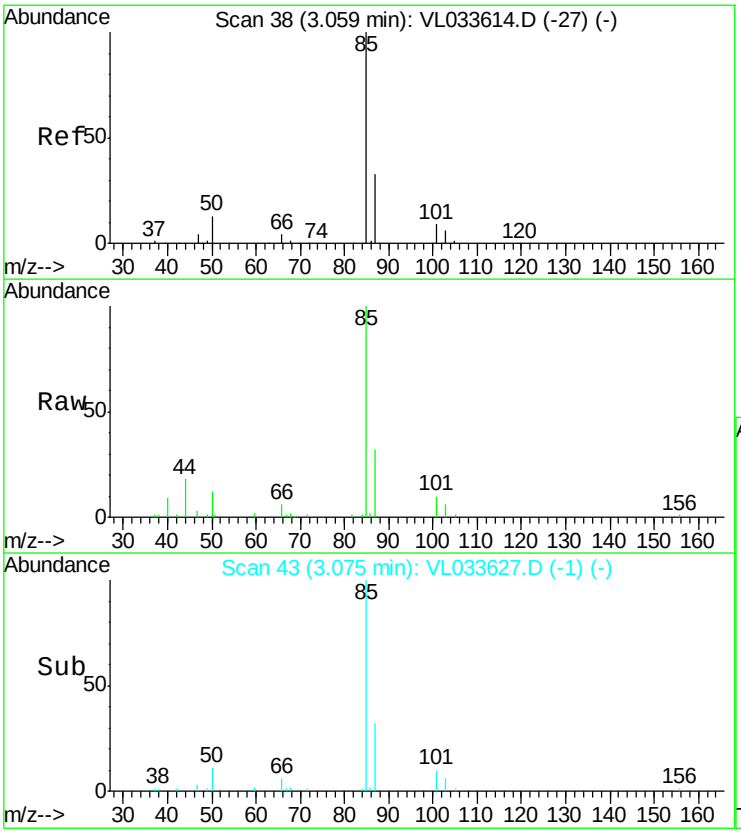
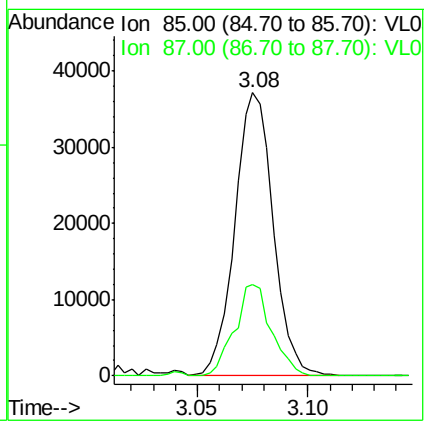
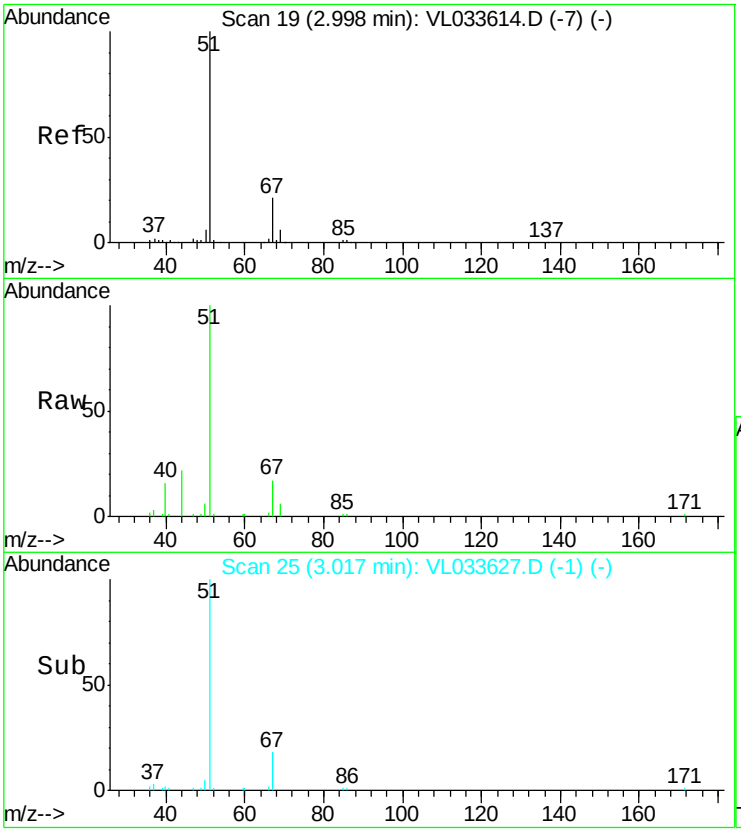


#2
Dichlorodifluoromethane
Concen: 0.329 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 85 Resp: 44940

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.8	40.2

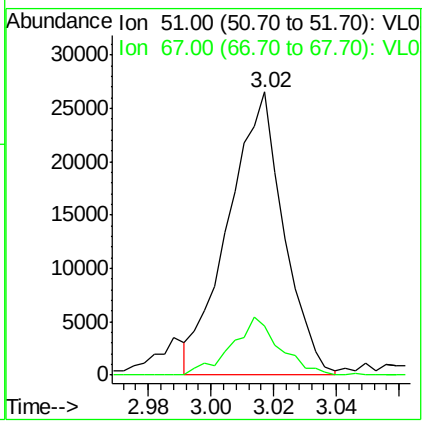




#3
Chlorodifluoromethane
Concen: 0.301 ppbv m
RT: 3.02 min Scan# 25
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 51 Resp: 32597

Ion	Ratio	Lower	Upper
51	100		
67	17.8	15.6	23.4



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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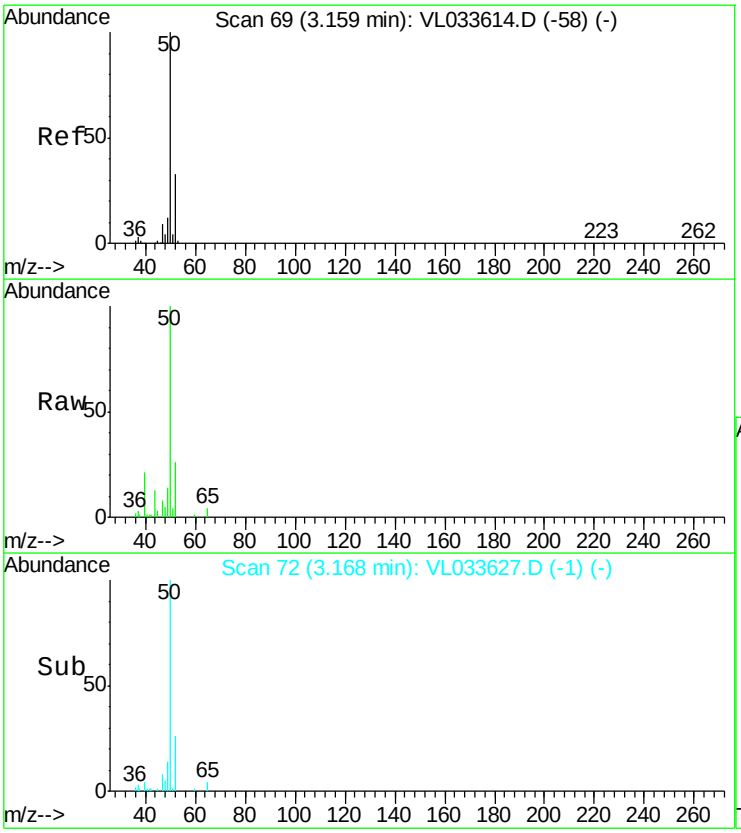
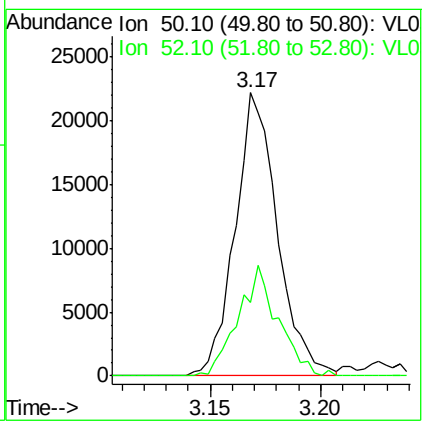
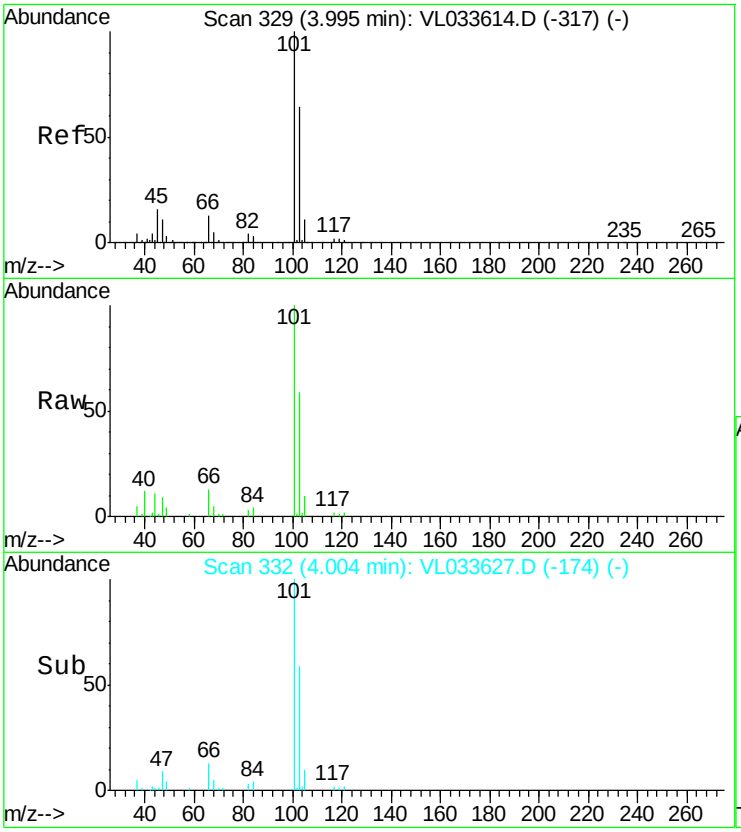


#4
Chloromethane
Concen: 0.501 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 50 Resp: 29594

Ion	Ratio	Lower	Upper
50	100		
52	25.9	26.0	39.0#

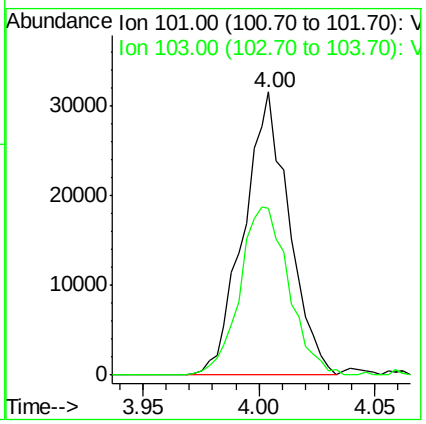




#11
Trichlorofluoromethane
Concen: 0.265 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion:101 Resp: 43089

Ion	Ratio	Lower	Upper
101	100		
103	59.1	51.2	76.8



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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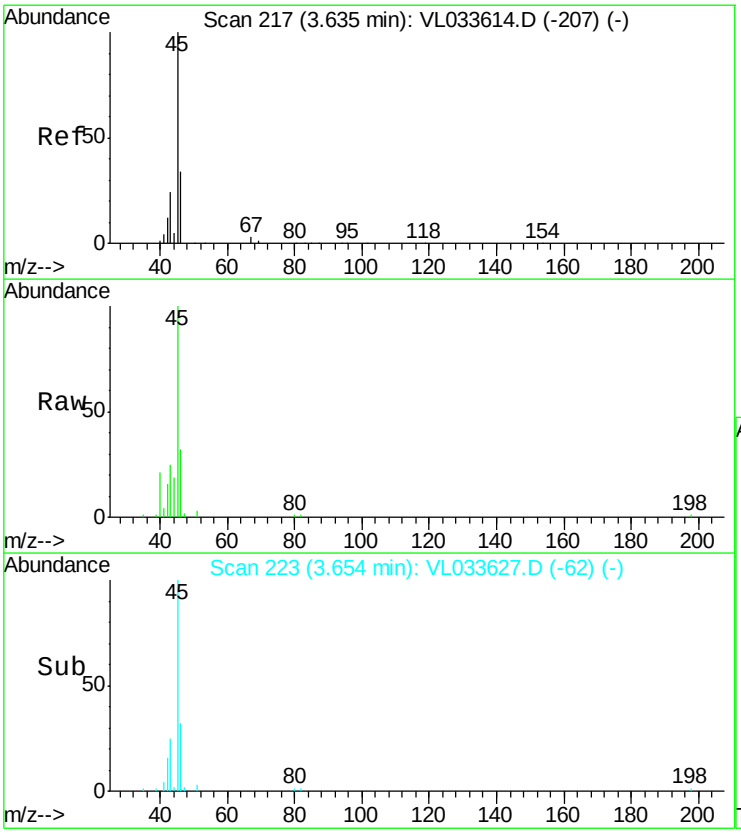
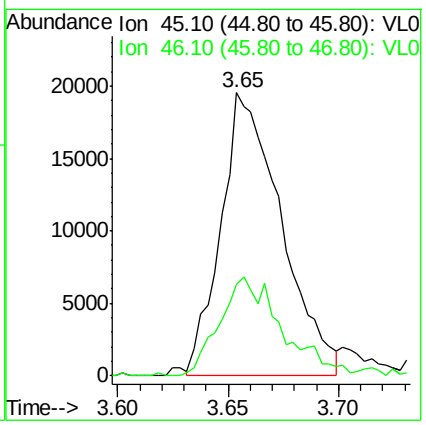
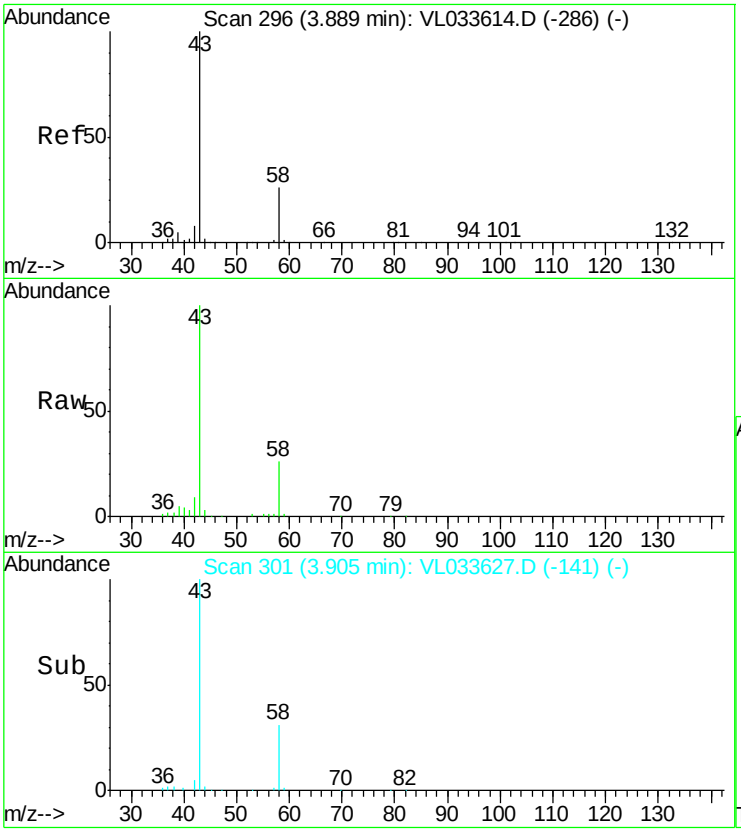


#13
Ethanol
Concen: 2.645 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 45 Resp: 37217

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.6	58.2

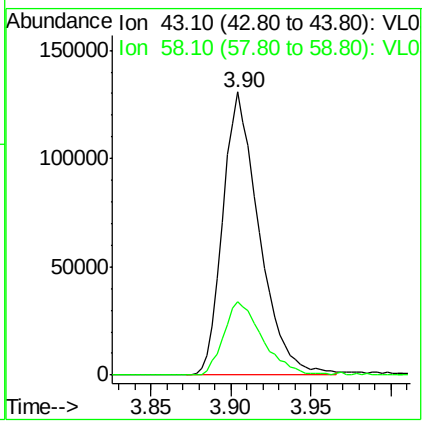




#15
Acetone
Concen: 1.849 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 43 Resp: 204009

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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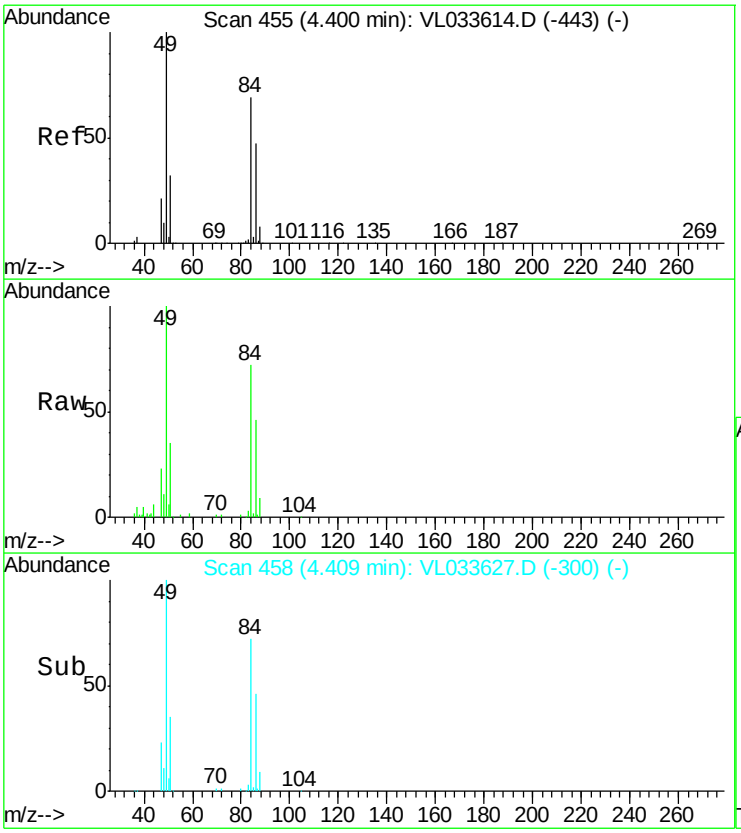
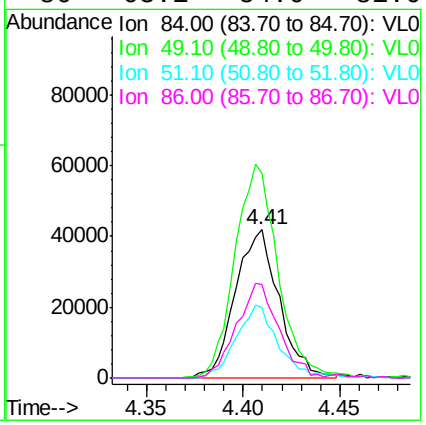
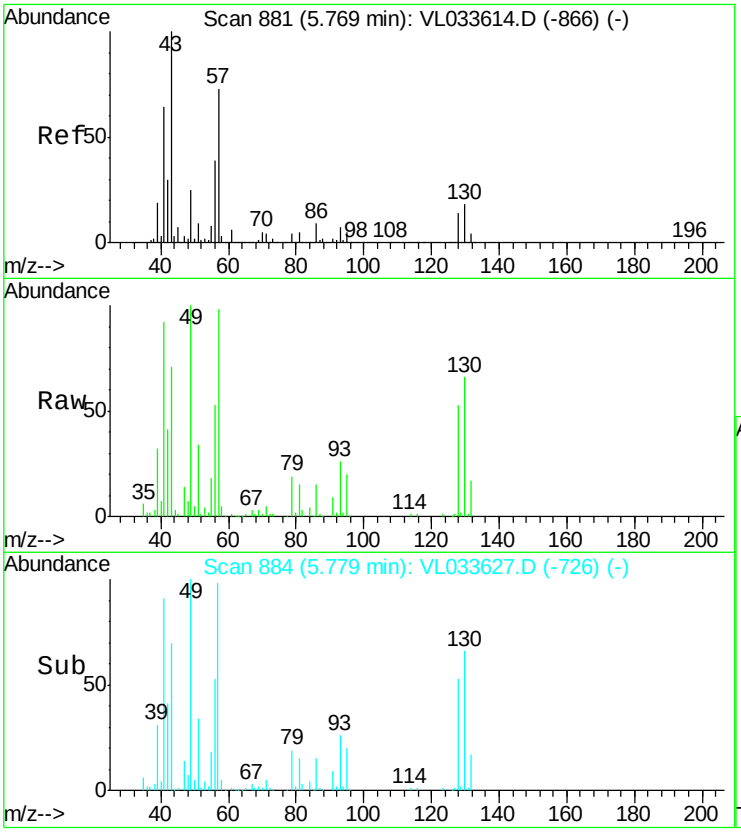


#20
Methylene Chloride
Concen: 1.538 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 84 Resp: 66133

Ion	Ratio	Lower	Upper
84	100		
49	137.5	116.2	174.2
51	47.8	37.0	55.6
86	63.1	54.0	81.0

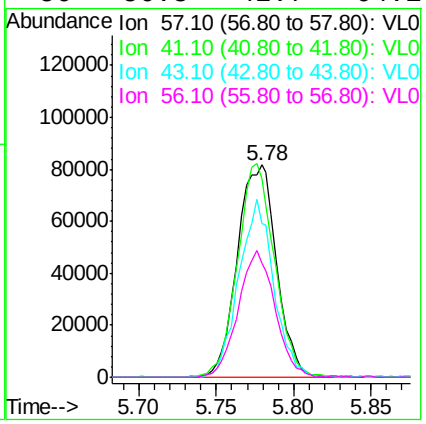




#26
Hexane
Concen: 1.626 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 57 Resp: 143441

Ion	Ratio	Lower	Upper
57	100		
41	95.6	70.6	106.0
43	75.0	186.0	279.0#
56	56.3	42.7	64.1



Instrument :
MSVOA_L
ClientSampleId :
A-1

Manual Integrations APPROVED
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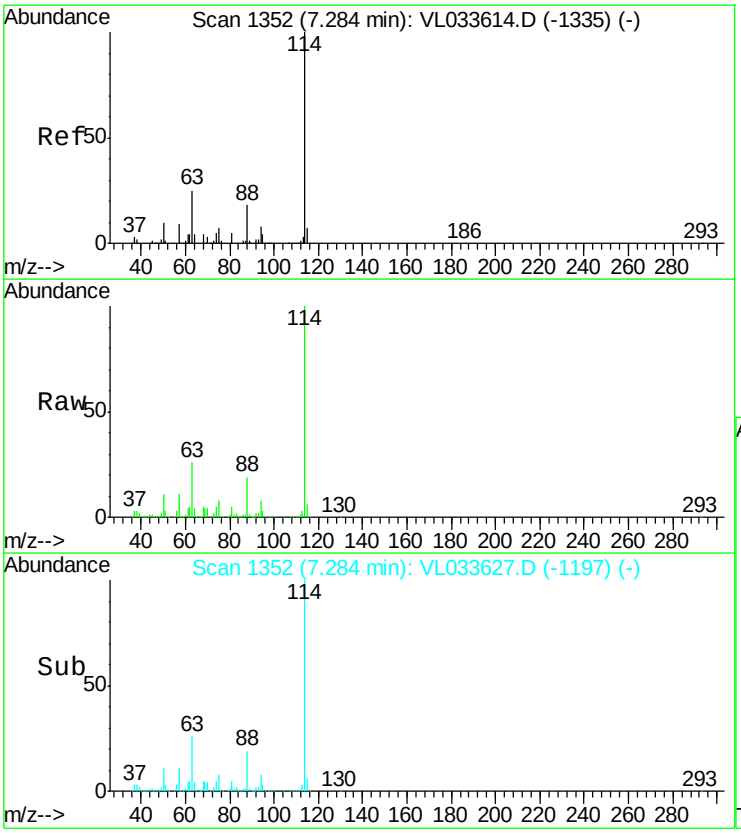
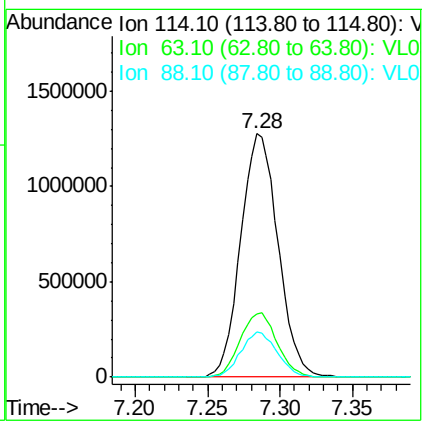
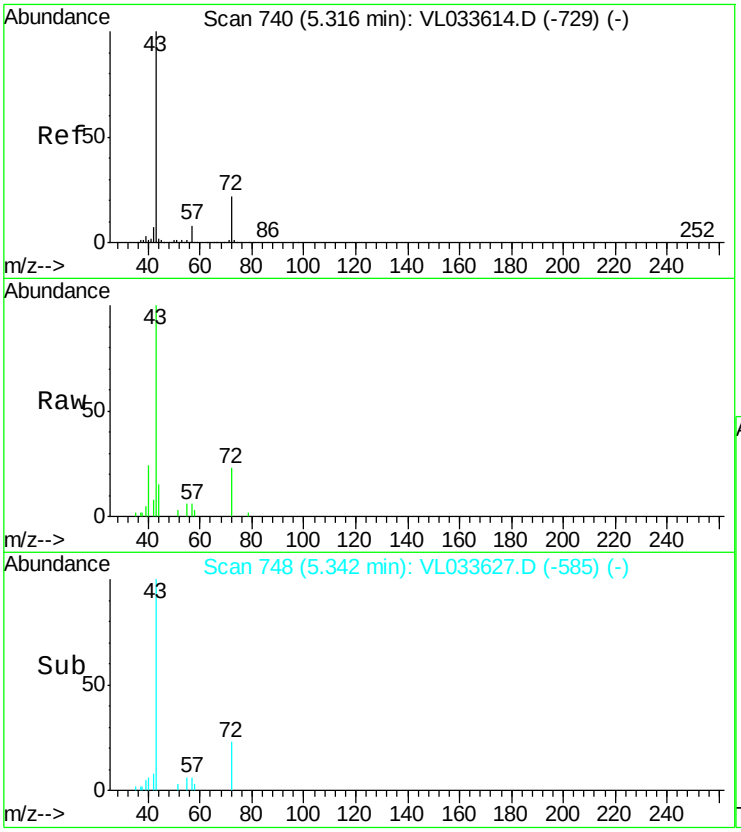


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion:114 Resp: 2285402

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	18.3	14.2	21.4

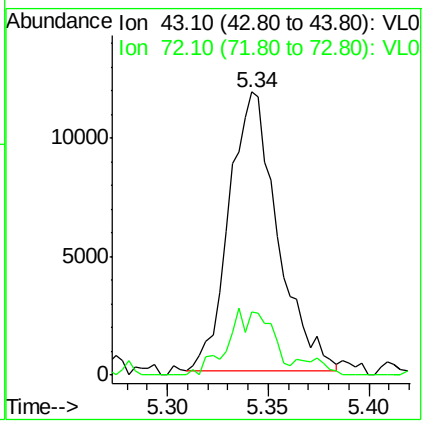




#34
2-Butanone
Concen: 0.143 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.03 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 43 Resp: 20025

Ion	Ratio	Lower	Upper
43	100		
72	24.5	17.8	26.8



Instrument :
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ClientSampleId :
A-1

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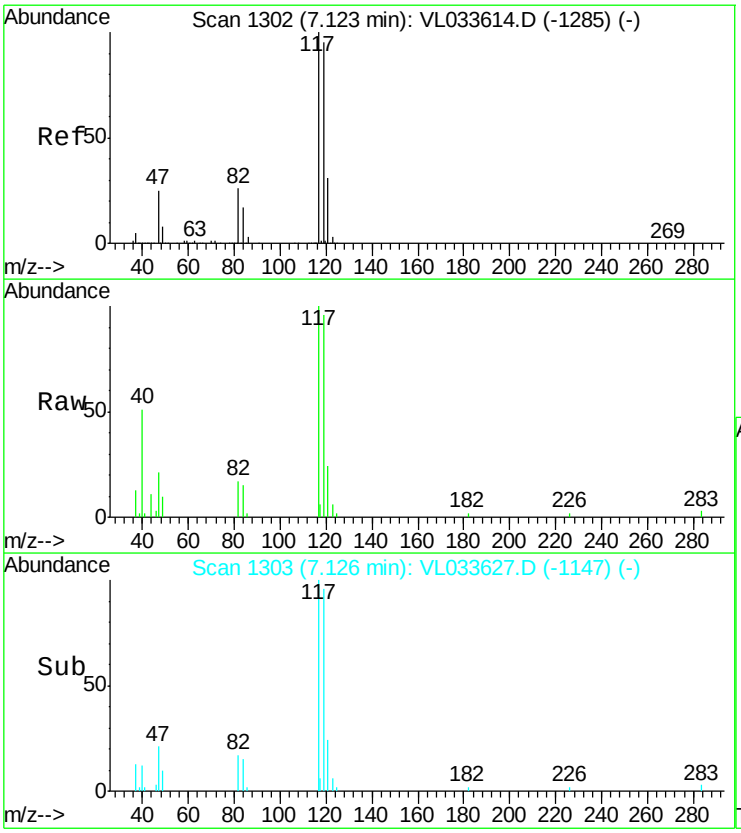
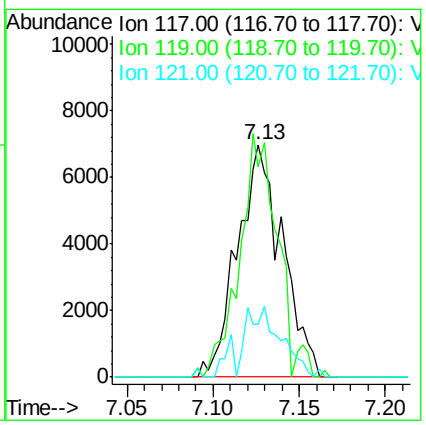
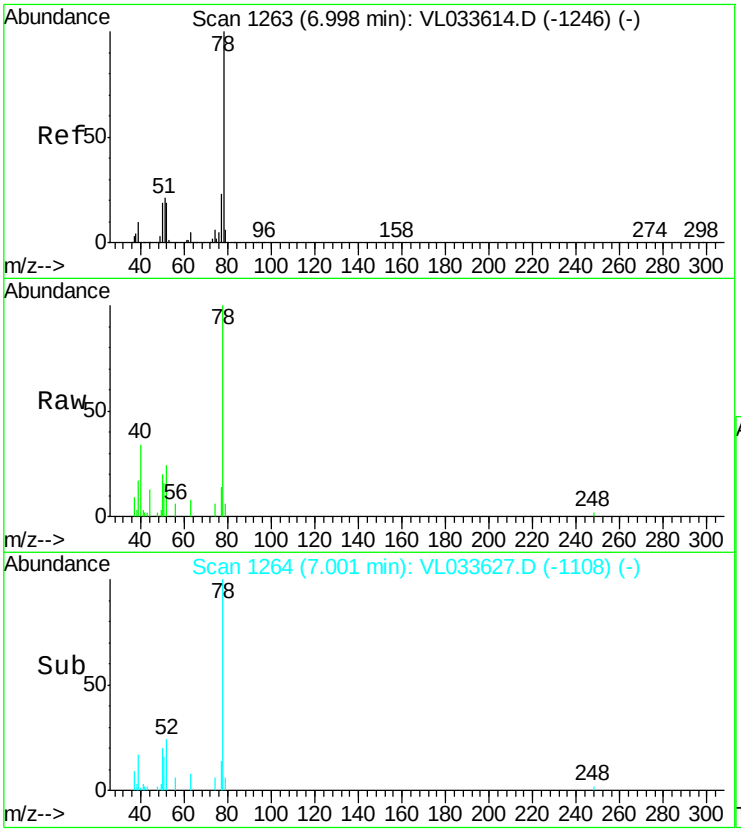


#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.13 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion:117 Resp: 12649

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.2	114.4
121	24.3	24.9	37.3#

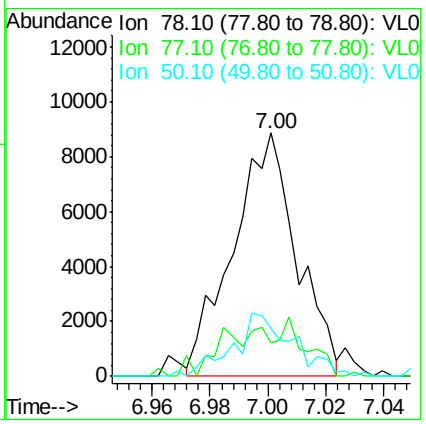




#36
Benzene
Concen: 0.070 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 78 Resp: 13672

Ion	Ratio	Lower	Upper
78	100		
77	14.3	18.1	27.1#
50	34.9	15.1	22.7#



Instrument :
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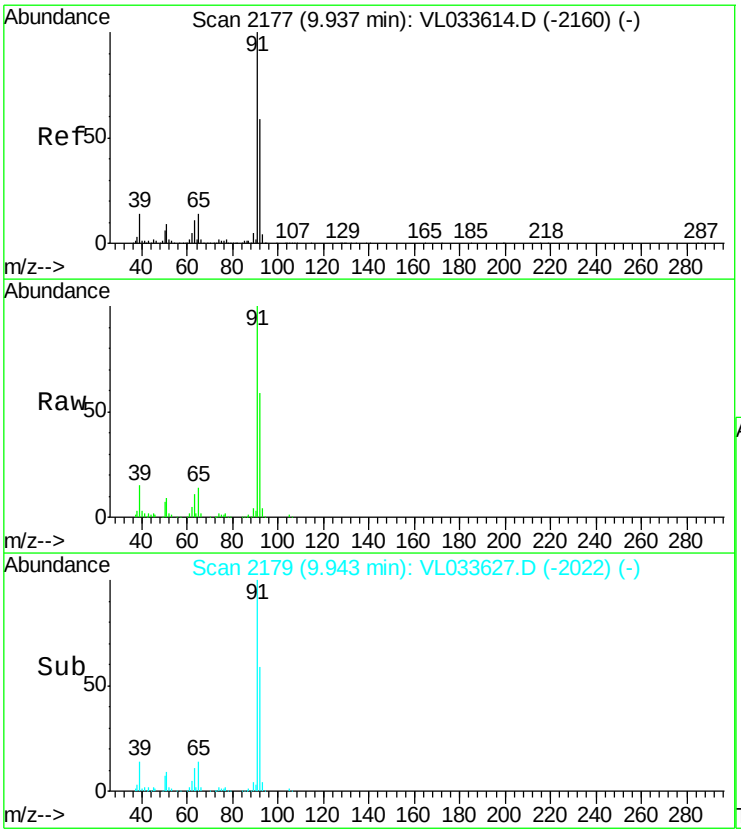
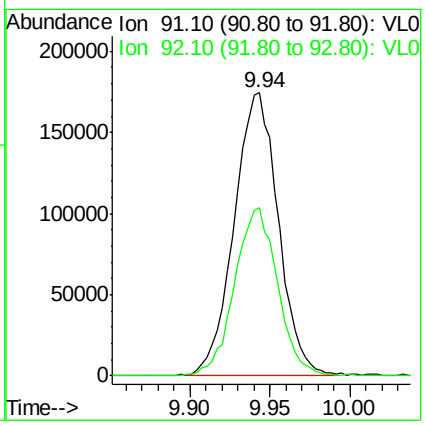
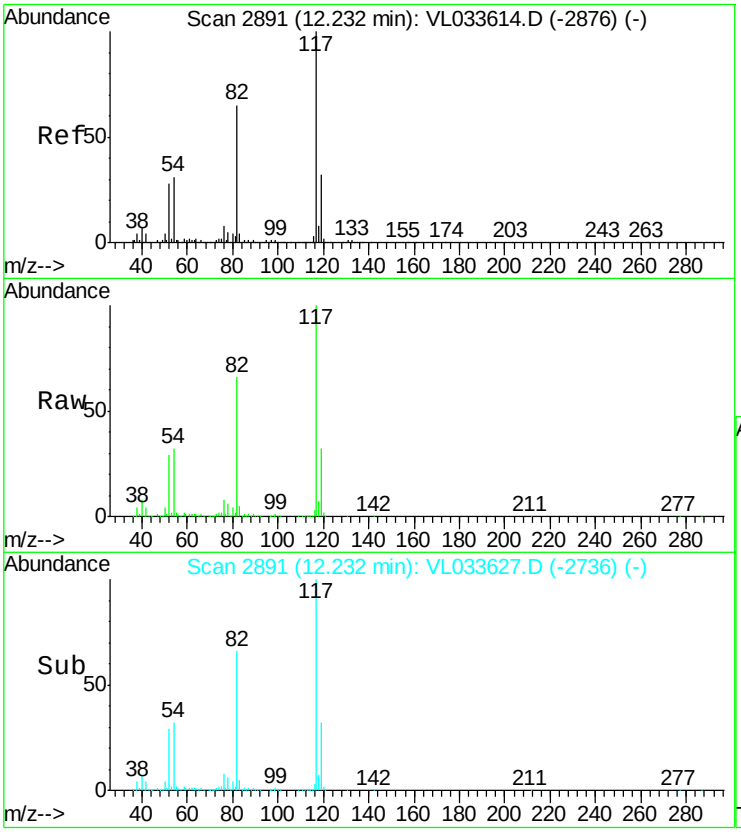


#53
Toluene
Concen: 1.331 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 91 Resp: 327186

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.8	71.6

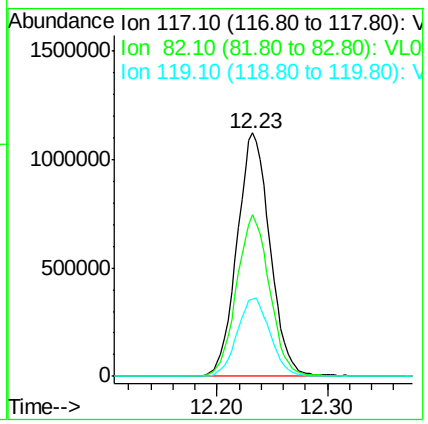




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion:117 Resp: 2317729

Ion	Ratio	Lower	Upper
117	100		
82	66.8	52.6	78.8
119	32.3	28.3	42.5



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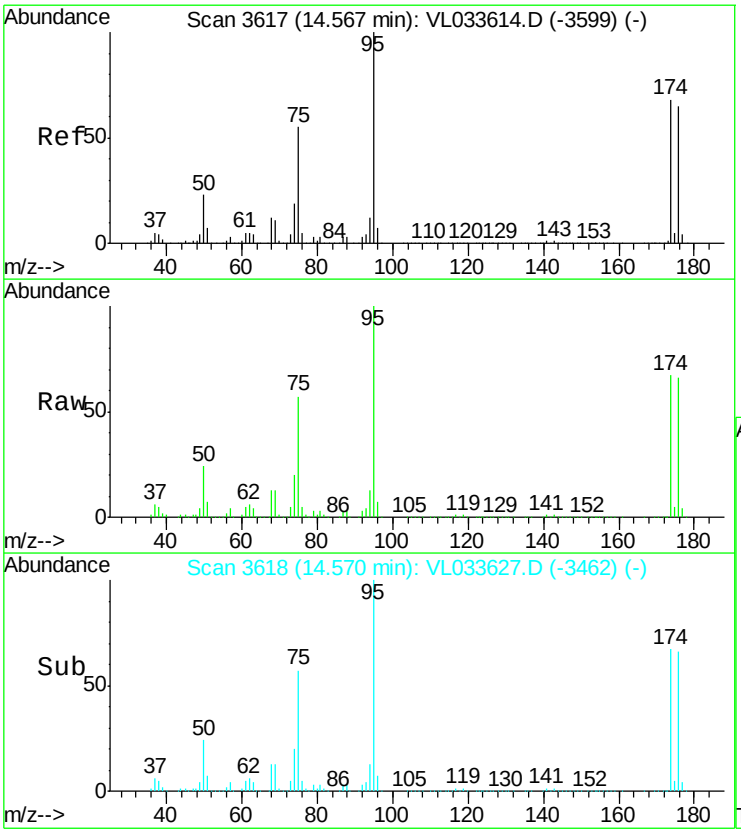

#68
1-Bromo-4-Fluorobenzene
Concen: 10.309 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 95 Resp: 1819035

Ion	Ratio	Lower	Upper
95	100		
174	66.5	53.9	80.9
175	4.9	4.0	6.0