Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032963.D
Acq On : 11 Dec 2018 20:38
Operator : SY/AP
Sample : J6264-13DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

Manual Integrations APPROVED
MMDadoda
12/13/2018 7:58:44 AM

Quant Time: Dec 12 17:09:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 0
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1350402	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3632054	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3486595	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2752165	10.68	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.80%				
Target Compounds							Qvalue
4) Chloromethane	3.17	50	11557	0.194	ppbv	#	85
9) Propene	3.05	41	47329m	1.170	ppbv		
10) Heptane	8.25	43	51933	0.342	ppbv		93
11) Trichlorofluoromethane	4.01	101	594425	3.500	ppbv		99
13) Ethanol	3.66	45	31955m	2.295	ppbv		
15) Acetone	3.90	43	3138123	27.074	ppbv		97
17) tert-Butyl alcohol	4.38	59	75377	2.554	ppbv	#	78
19) Isopropyl Alcohol	4.04	45	30553	0.420	ppbv	#	95
26) Hexane	5.78	57	129618	1.025	ppbv	#	44
27) Carbon Disulfide	4.62	76	37001	0.234	ppbv	#	86
34) 2-Butanone	5.34	43	207806	1.314	ppbv		98
36) Benzene	7.01	78	109346	0.409	ppbv		95
38) Trichloroethene	7.96	130	5305m	0.048	ppbv		
44) 2,2,4-Trimethylpentane	8.00	57	82218m	0.181	ppbv		
53) Toluene	9.95	91	240119	0.848	ppbv		100
62) Isopropylbenzene	14.83	105	1257808	2.647	ppbv		100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032963.D
Acq On : 11 Dec 2018 20:38
Operator : SY/AP
Sample : J6264-13DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 12 17:09:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

Manual Integrations APPROVED
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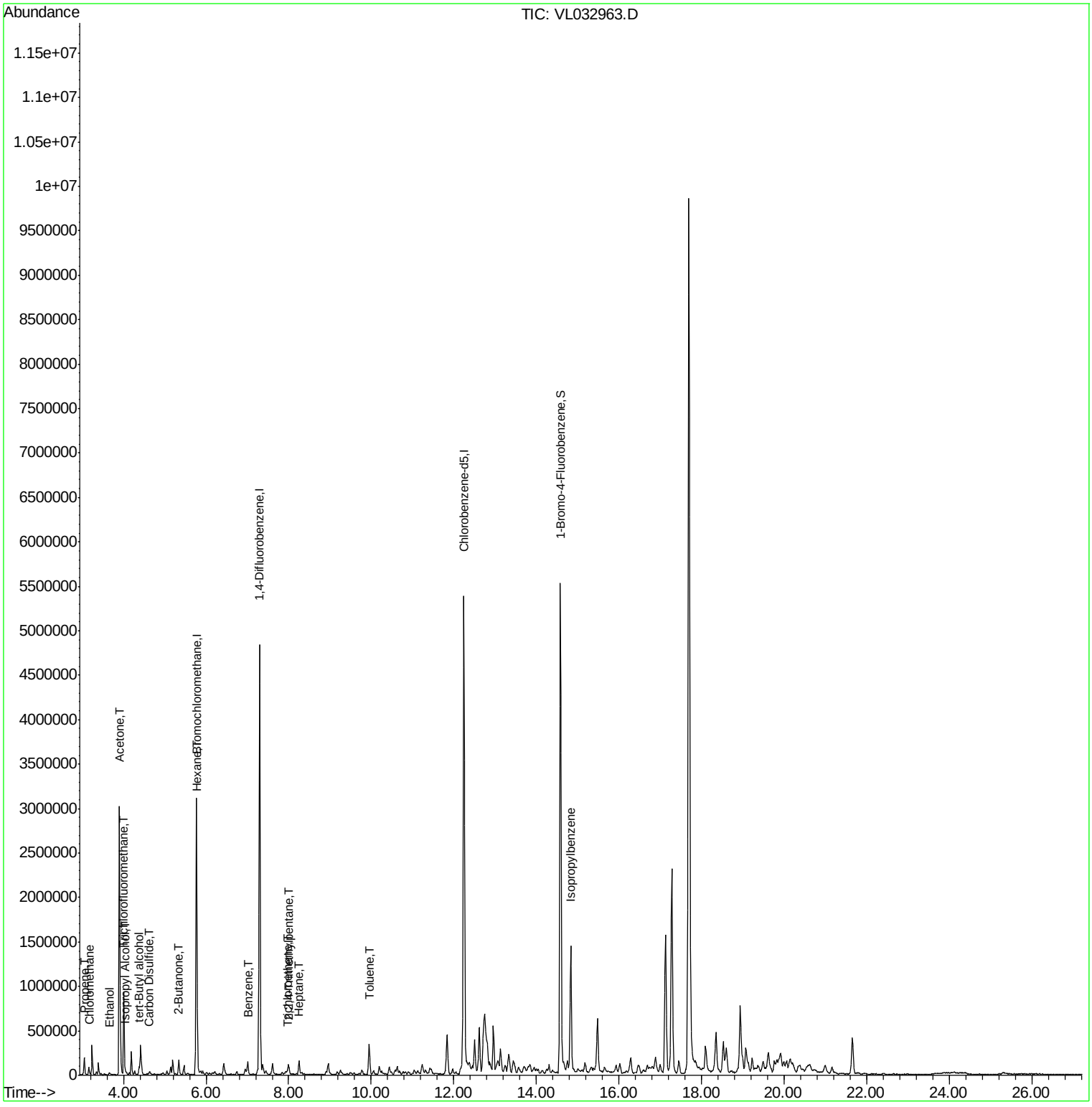
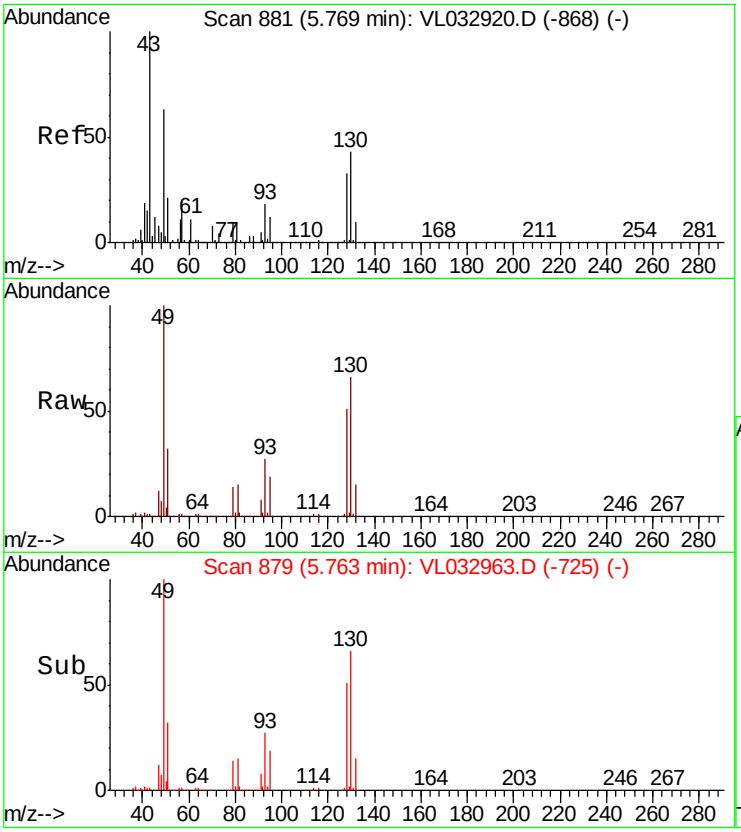
12/13/2018 7:58:44 AM

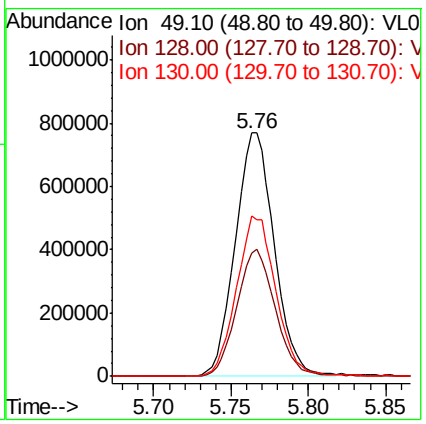




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 49 Resp: 1350402

Ion	Ratio	Lower	Upper
49	100		
128	52.1	26.3	78.8
130	67.0	33.9	101.7



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

Manual Integrations APPROVED
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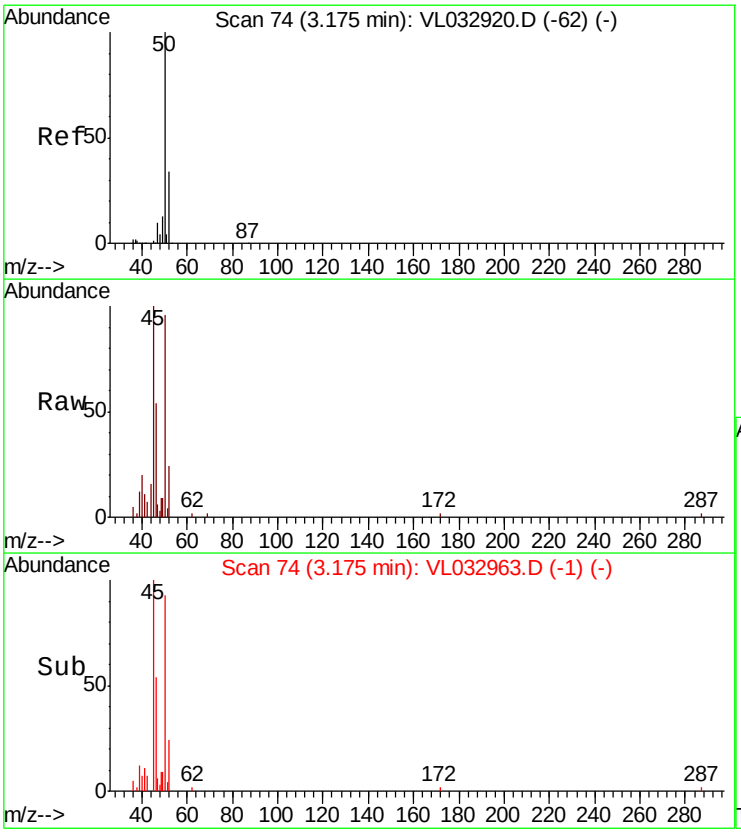
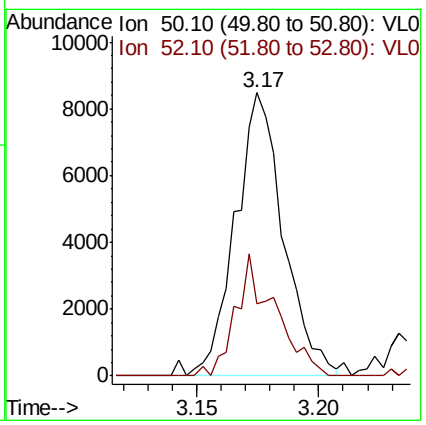
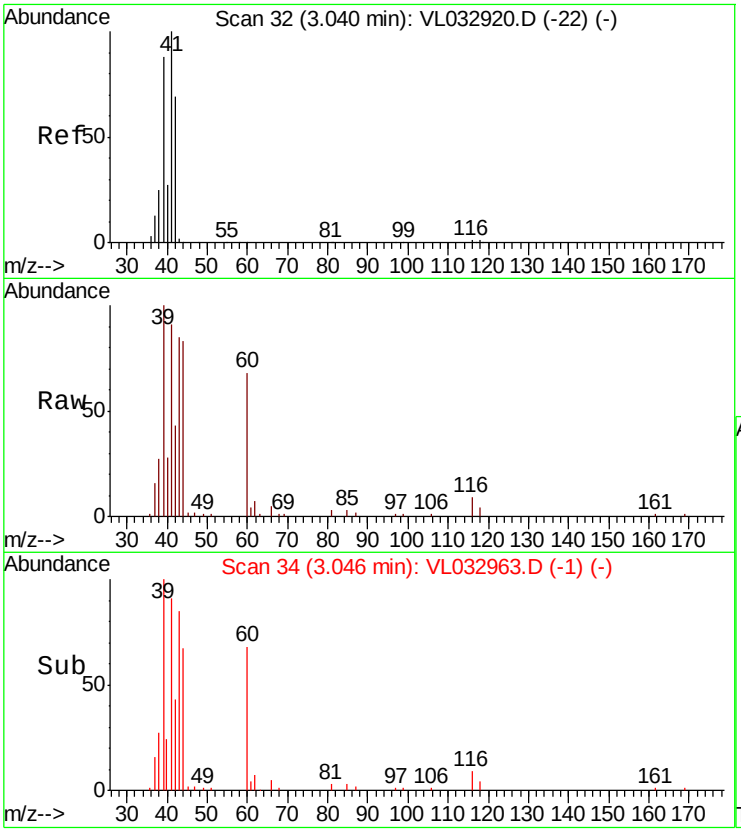


#4
Chloromethane
Concen: 0.194 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 50 Resp: 11557

Ion	Ratio	Lower	Upper
50	100		
52	25.4	27.3	40.9#

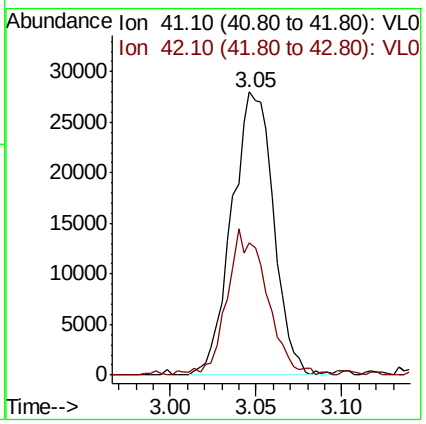




#9
Propene
Concen: 1.170 ppbv m
RT: 3.05 min Scan# 34
Delta R.T. 0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 41 Resp: 47329

Ion	Ratio	Lower	Upper
41	100		
42	126.3	56.2	84.2#



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

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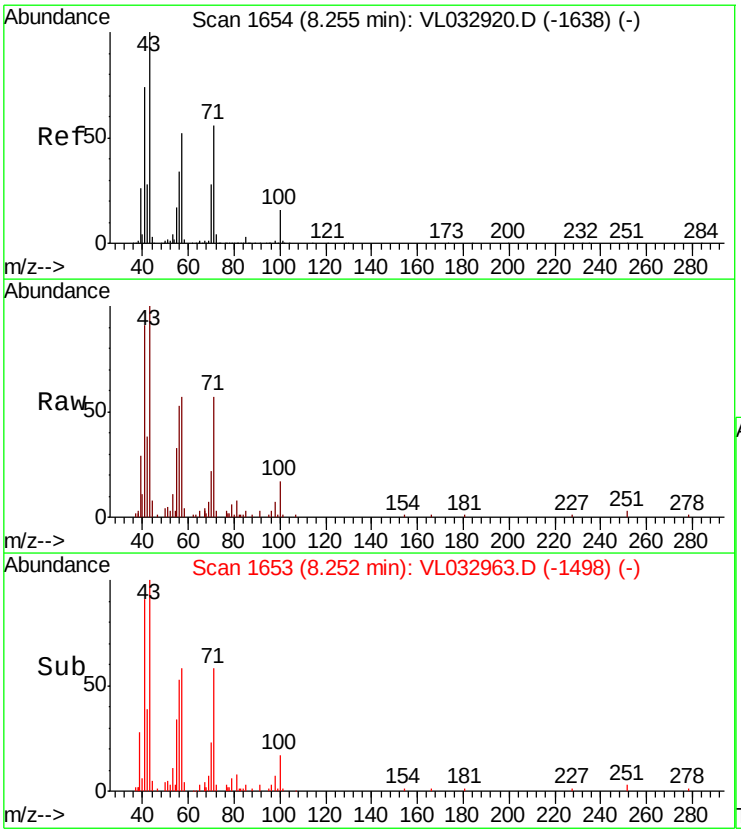
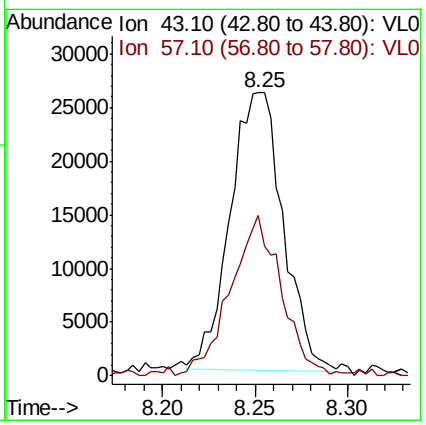
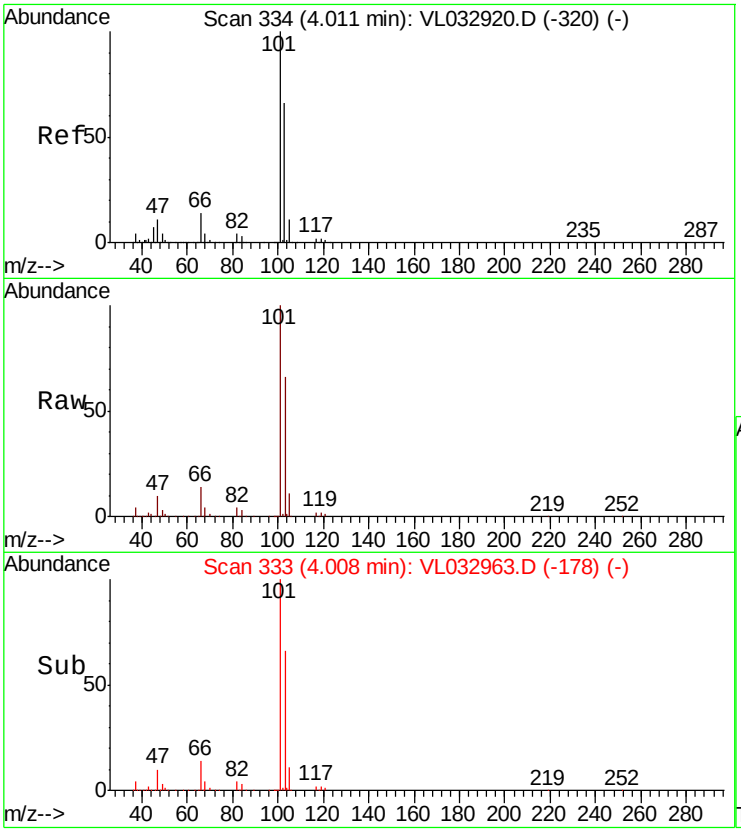


#10
Heptane
Concen: 0.342 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 43 Resp: 51933

Ion	Ratio	Lower	Upper
43	100		
57	56.8	41.8	62.6

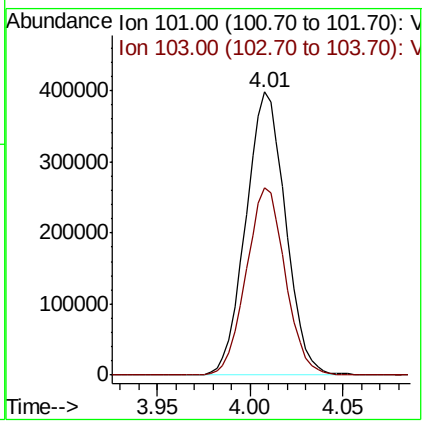




#11
Trichlorofluoromethane
Concen: 3.500 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion:101 Resp: 594425

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.7	79.1



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

Manual Integrations APPROVED
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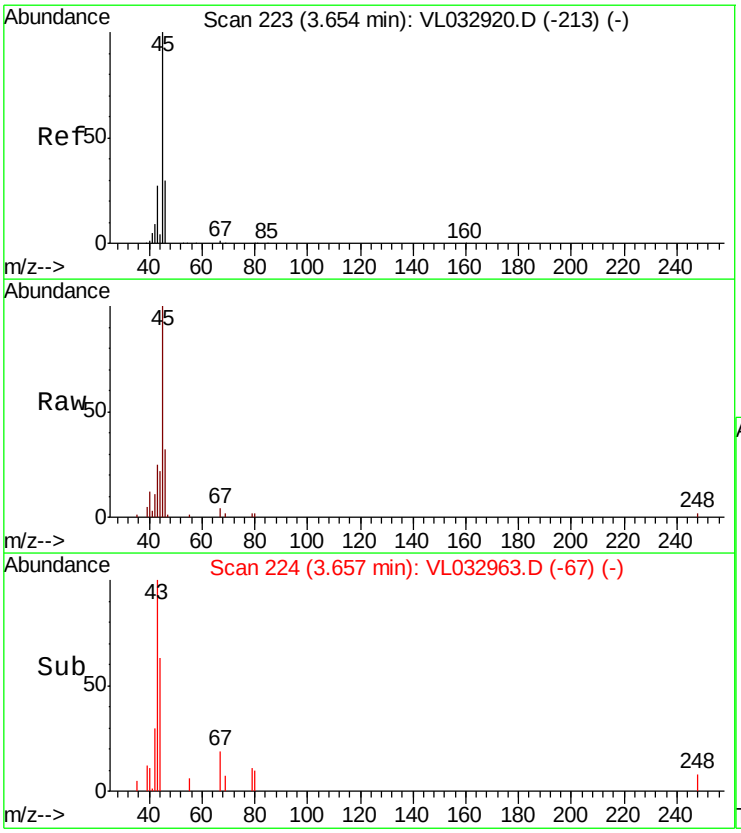
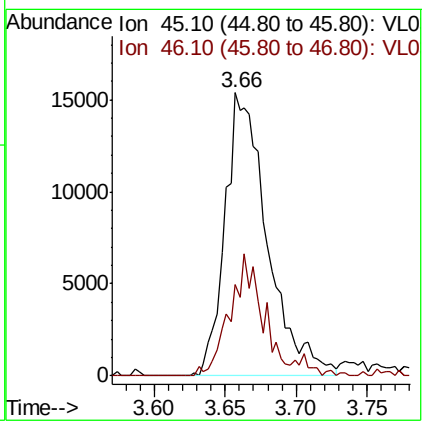
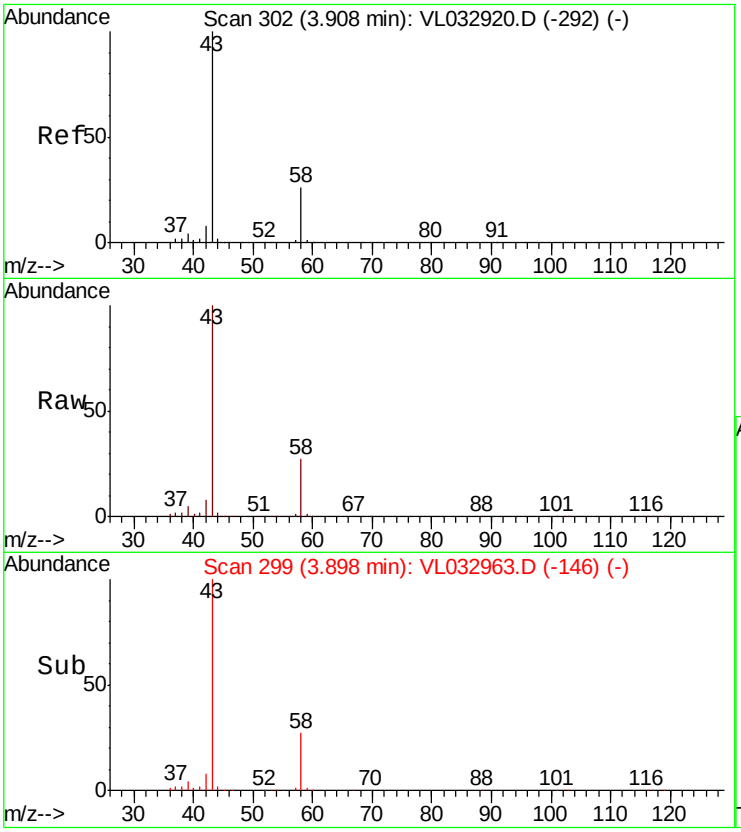


#13
Ethanol
Concen: 2.295 ppbv m
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 45 Resp: 31955

Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.8	55.4#

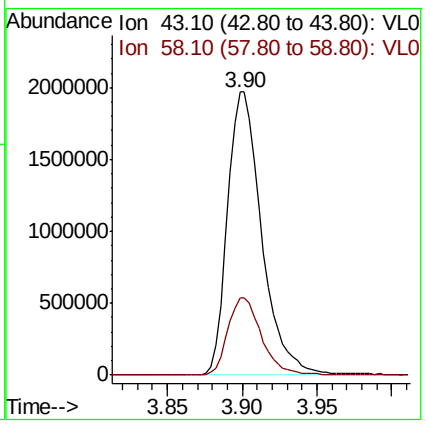




#15
Acetone
Concen: 27.074 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 43 Resp: 3138123

Ion	Ratio	Lower	Upper
43	100		
58	27.1	20.6	30.8



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

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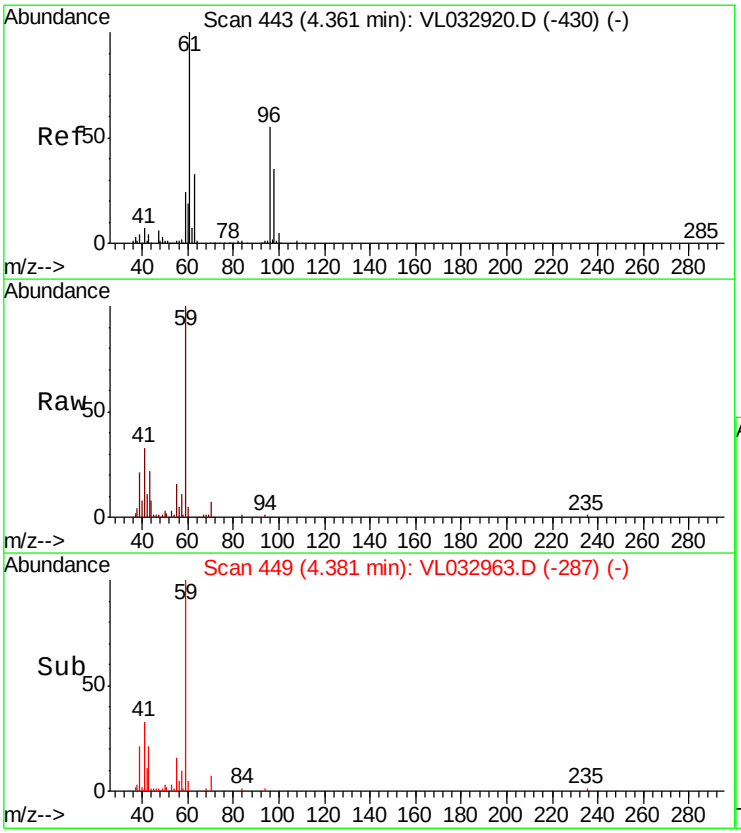
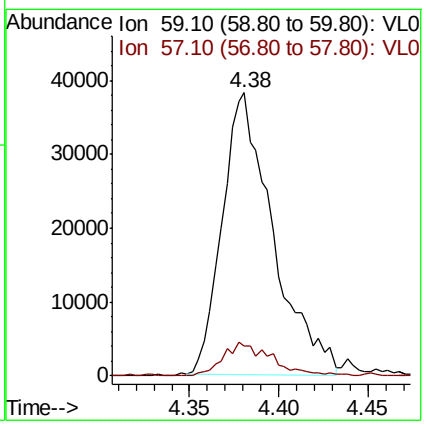
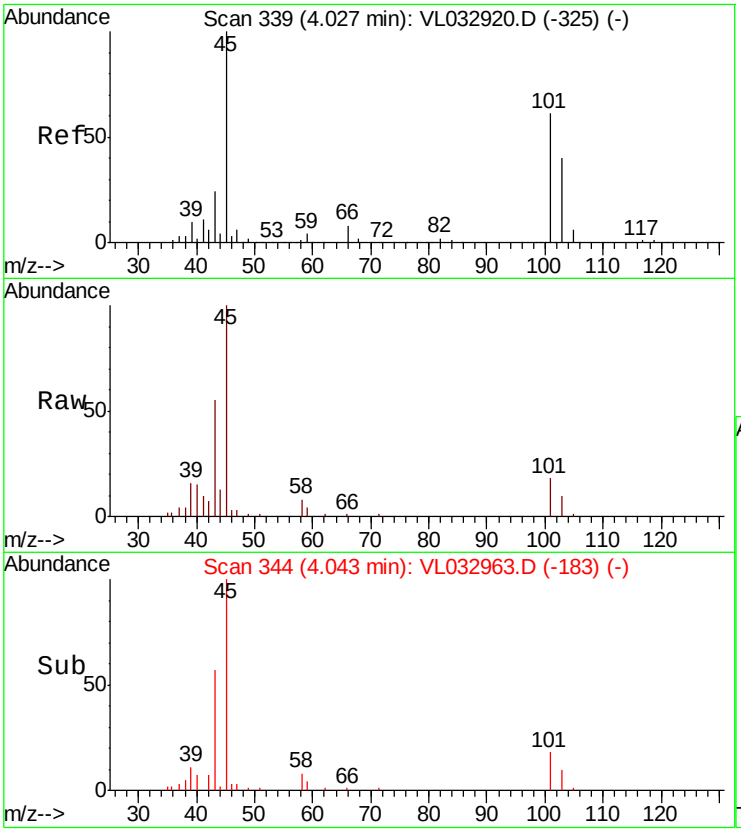


#17
tert-Butyl alcohol
Concen: 2.554 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.02 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 59 Resp: 75377

Ion	Ratio	Lower	Upper
59	100		
57	11.5	0.6	1.0#

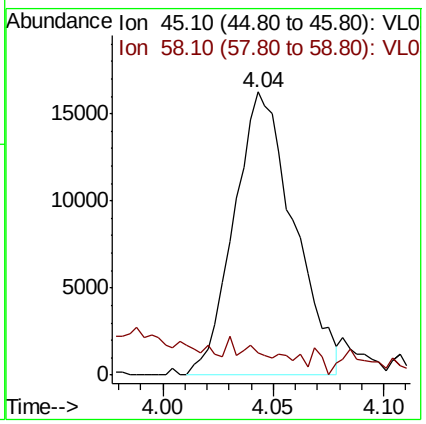




#19
Isopropyl Alcohol
Concen: 0.420 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 45 Resp: 30553

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

Manual Integrations APPROVED
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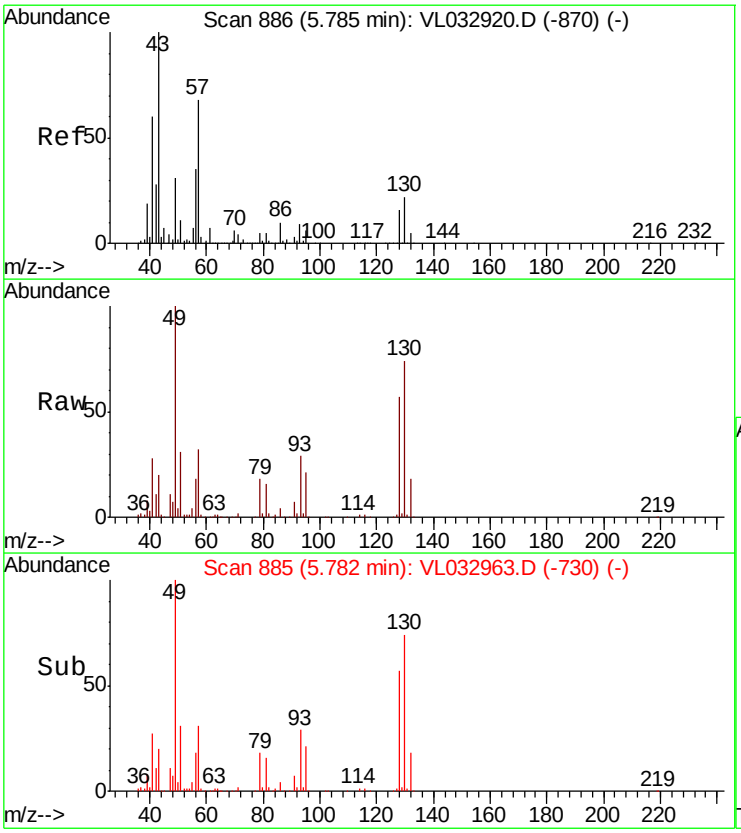
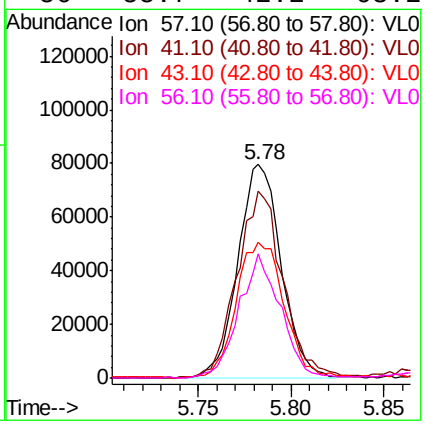
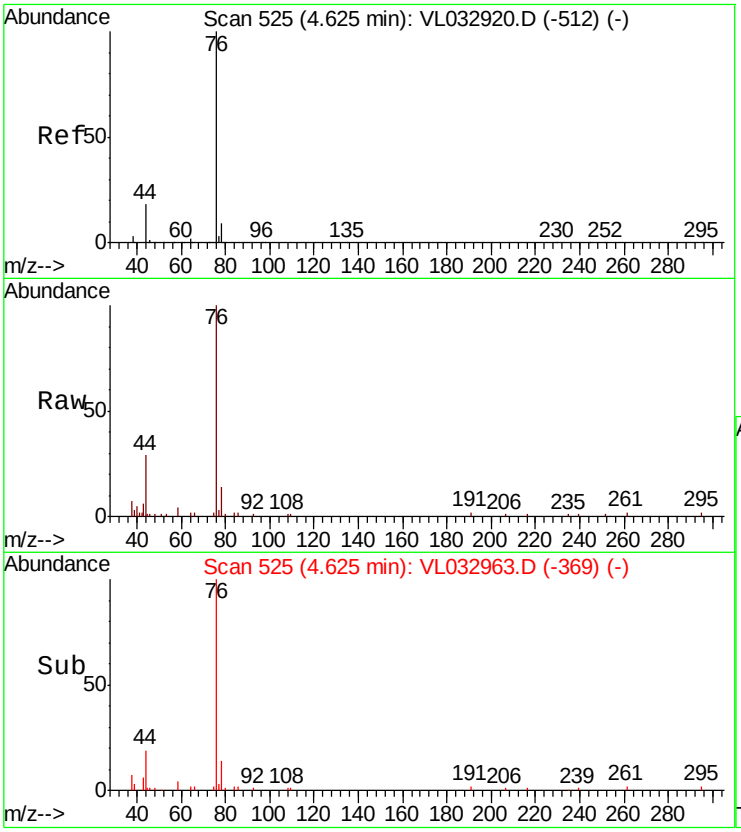


#26
Hexane
Concen: 1.025 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 57 Resp: 129618

Ion	Ratio	Lower	Upper
57	100		
41	93.4	72.2	108.2
43	69.8	171.9	257.9#
56	55.7	42.2	63.2

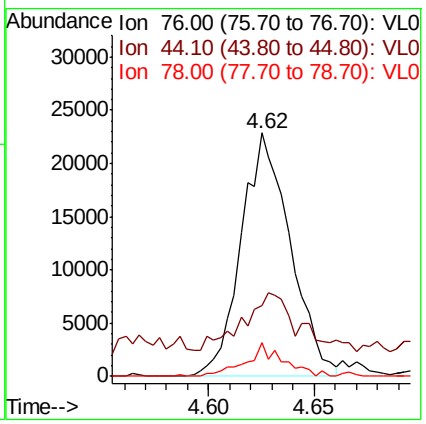




#27
Carbon Disulfide
Concen: 0.234 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 76 Resp: 37001

Ion	Ratio	Lower	Upper
76	100		
44	27.3	14.7	22.1#
78	10.4	7.4	11.2



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

Manual Integrations APPROVED
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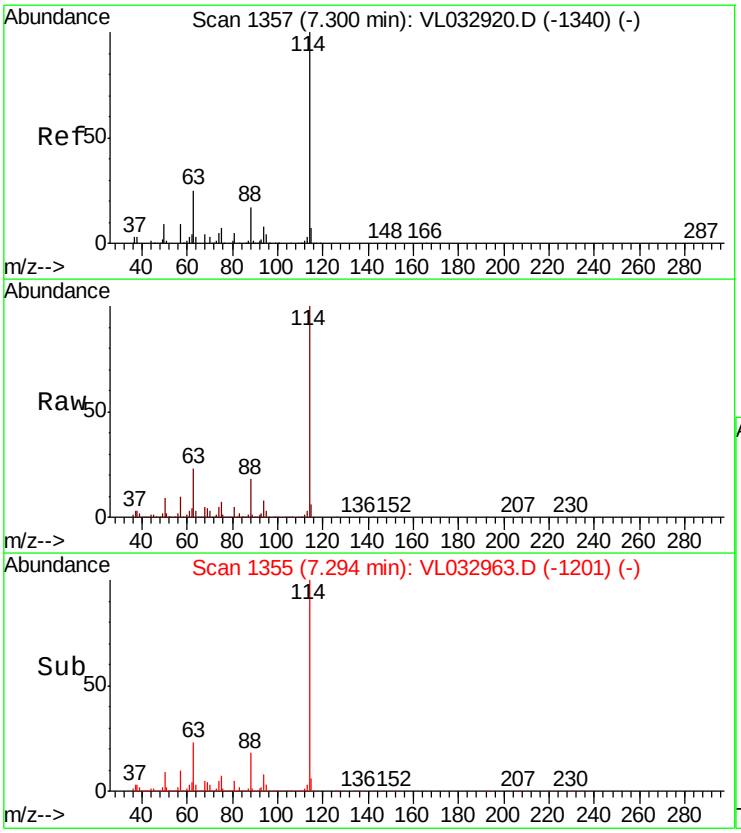
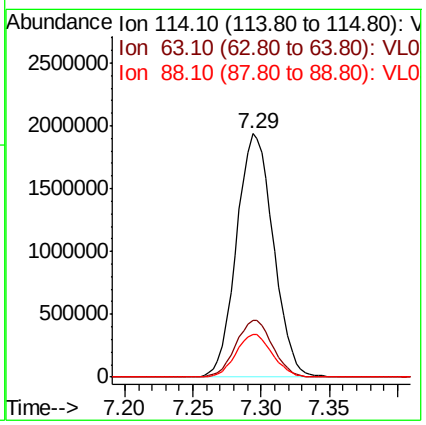
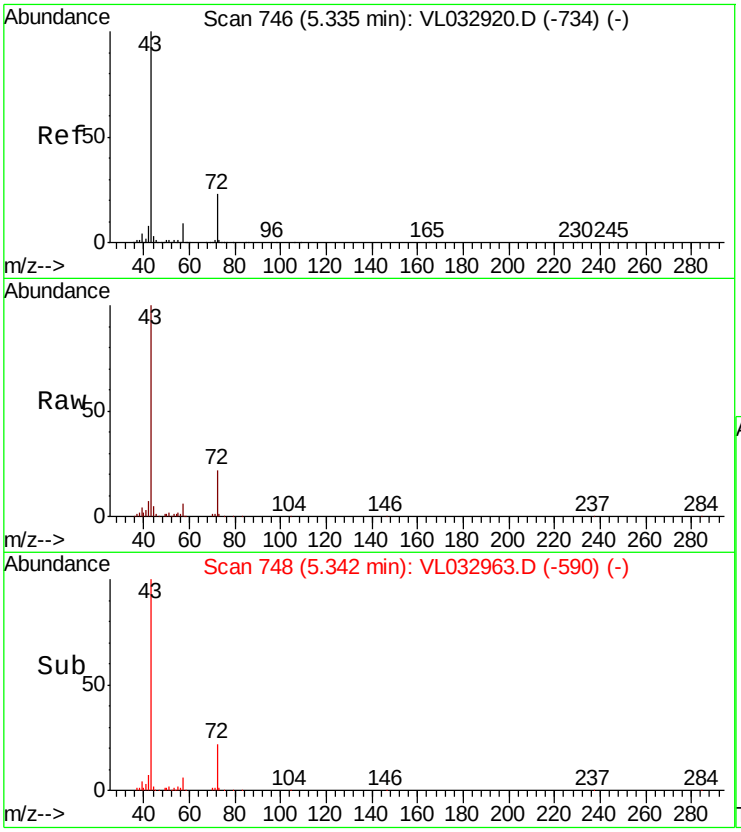


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion:114 Resp: 3632054

Ion	Ratio	Lower	Upper
114	100		
63	23.5	20.1	30.1
88	17.4	14.2	21.4

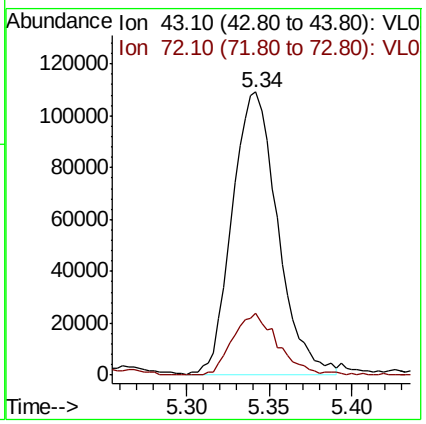




#34
2-Butanone
Concen: 1.314 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 43 Resp: 207806

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.8	28.2



Instrument :
MSVOA_L
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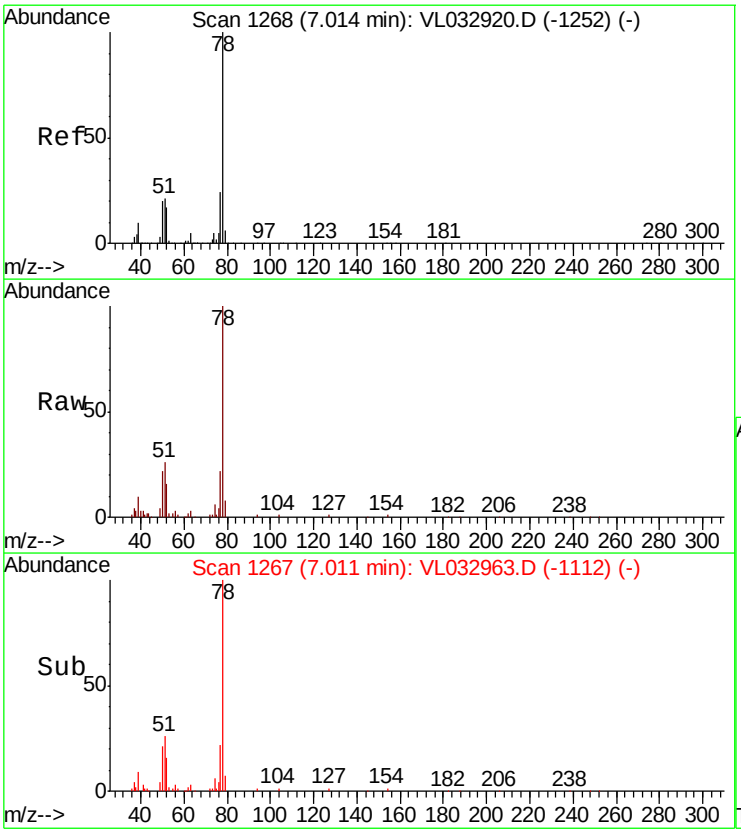
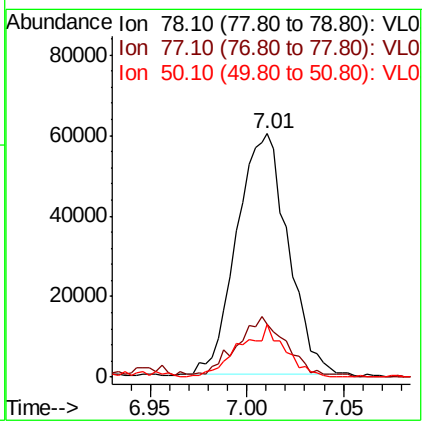
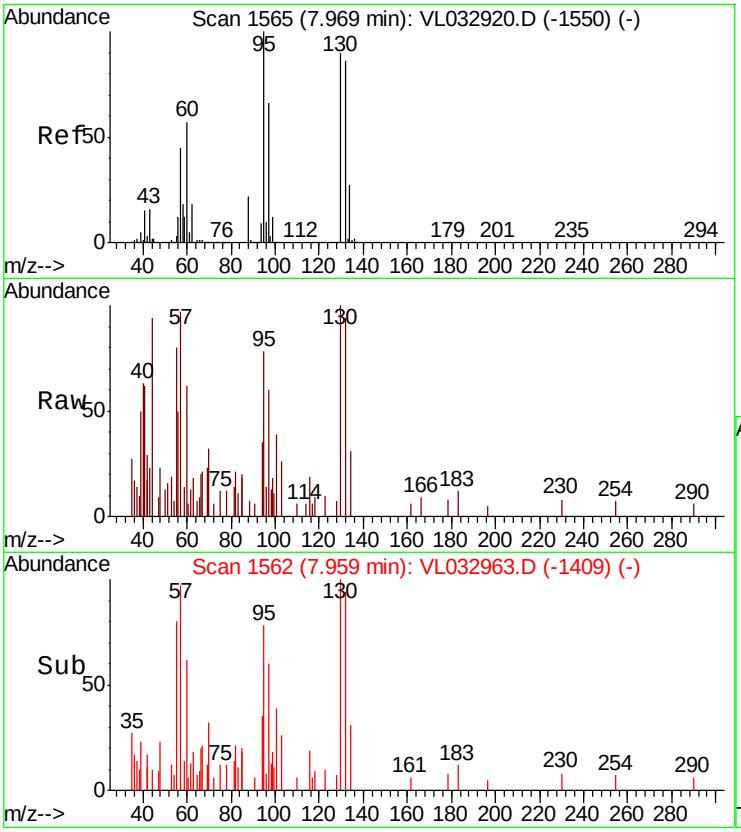


#36
Benzene
Concen: 0.409 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 78 Resp: 109346

Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.9	28.3
50	21.8	16.1	24.1

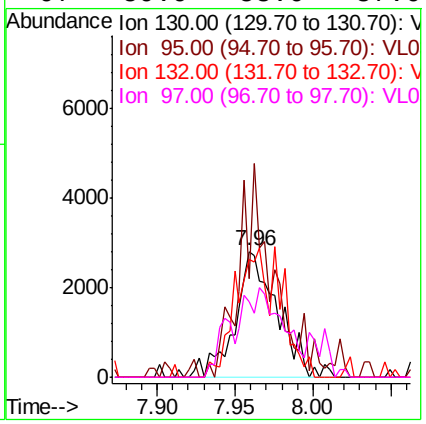




#38
Trichloroethene
Concen: 0.048 ppbv m
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion:130 Resp: 5305

Ion	Ratio	Lower	Upper
130	100		
95	78.4	88.6	132.8#
132	94.1	76.1	114.1
97	59.9	58.0	87.0



Instrument :
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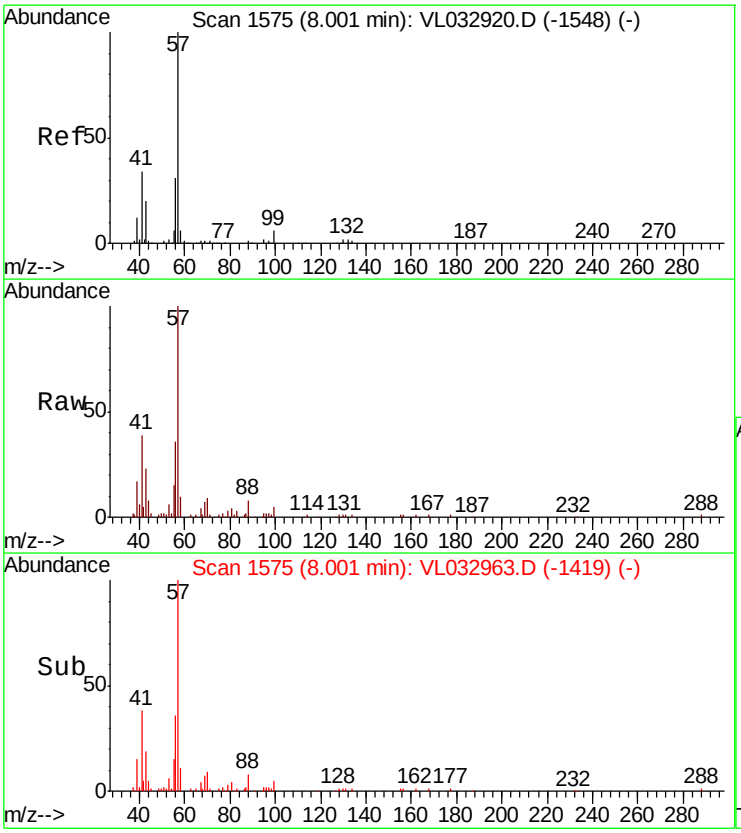
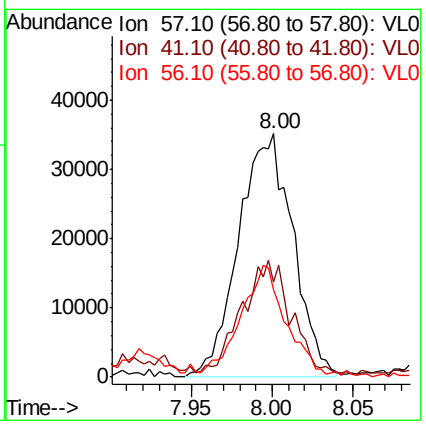
12/13/2018 7:58:44 AM

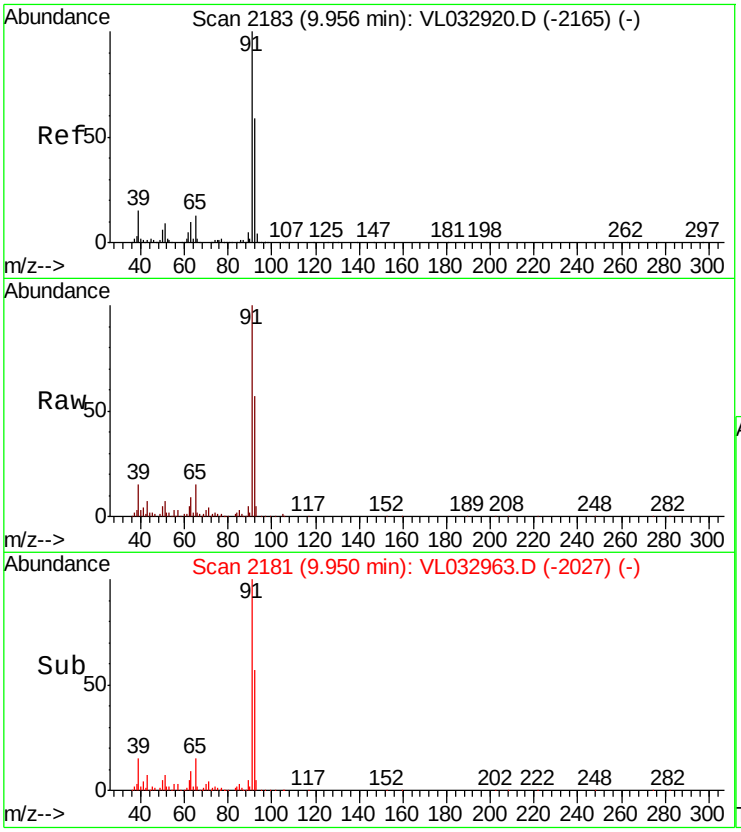


#44
2,2,4-Trimethylpentane
Concen: 0.181 ppbv m
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 57 Resp: 82218

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.0	40.4#
56	40.4	24.6	37.0#

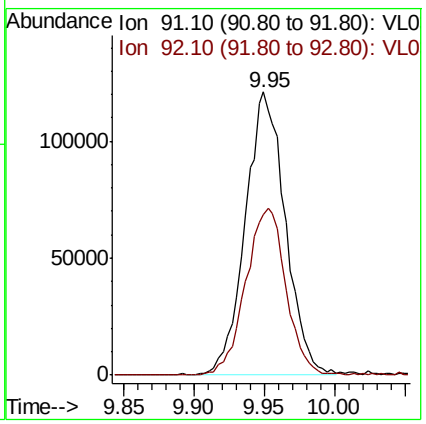




#53
Toluene
Concen: 0.848 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

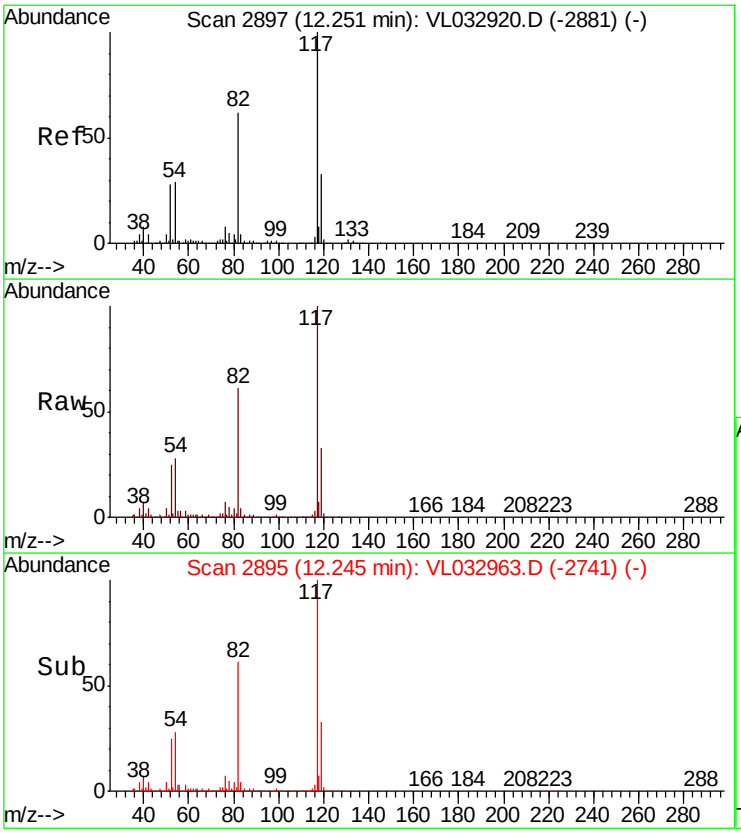
Tgt Ion: 91 Resp: 240119

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

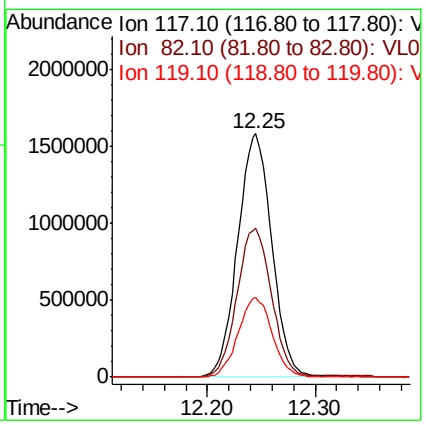
Manual Integrations APPROVED
MMDadoda
12/13/2018 7:58:44 AM

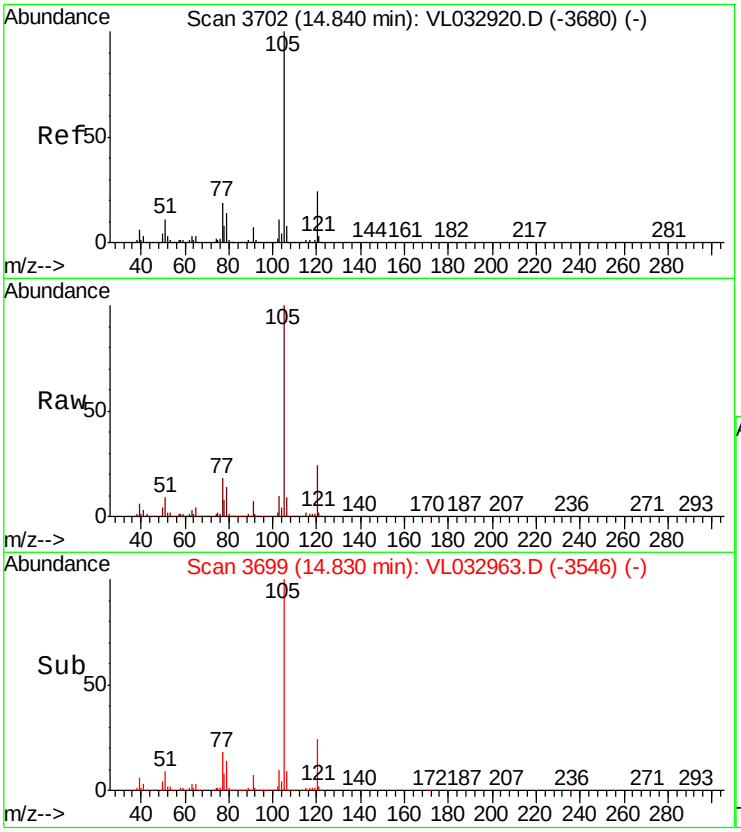


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion:117 Resp: 3486595

Ion	Ratio	Lower	Upper
117	100		
82	62.0	47.8	71.8
119	32.7	43.1	64.7#

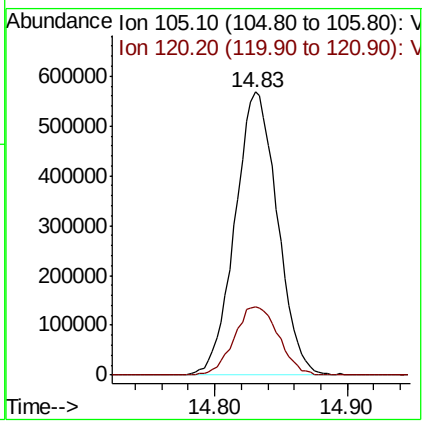




#62
Isopropylbenzene
Concen: 2.647 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

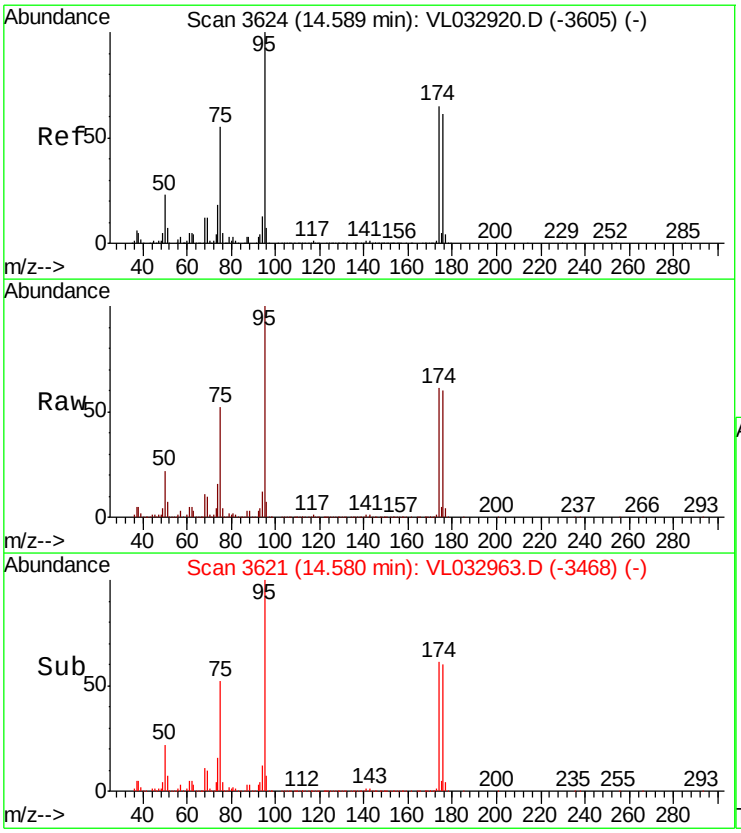
Tgt Ion:105 Resp: 1257808

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.3	30.5



Instrument :
MSVOA_L
ClientSampleId :
A55G2DL

Manual Integrations APPROVED
MMDadoda
12/13/2018 7:58:44 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.684 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032963.D
Acq: 11 Dec 2018 20:38

Tgt Ion: 95 Resp: 2752165

Ion	Ratio	Lower	Upper
95	100		
174	65.8	51.4	77.0
175	5.1	3.8	5.6