Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032645.D
Acq On : 17 Oct 2018 17:37
Operator : SY/AP
Sample : J5500-01DLDUP 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS08-MIVIDLDUP

Manual Integrations APPROVED
MMDadoda
10/19/2018 4:36:39 PM

Quant Time: Oct 19 03:12:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 1
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1097275	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	2543273	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	2545034	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	1967806	10.27	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.70%				
Target Compounds							Qvalue
4) Chloromethane	3.18	50	7407	0.15	ppbv	#	87
9) Propene	3.06	41	141295m	4.20	ppbv		
10) Heptane	8.27	43	533905	4.24	ppbv		100
13) Ethanol	3.68	45	16826m	1.62	ppbv		
26) Hexane	5.80	57	939205	9.02	ppbv	#	43
29) Chloroform	5.86	83	86431	0.47	ppbv		92
30) Cyclohexane	7.27	84	1247685	15.20	ppbv		99
35) Carbon Tetrachloride	7.16	117	19519m	0.10	ppbv		
36) Benzene	7.03	78	215347	1.04	ppbv		98
52) Tetrachloroethene	11.41	164	21137m	0.31	ppbv		
53) Toluene	9.97	91	3158750	13.44	ppbv		100
58) Ethyl Benzene	12.89	91	1078864	3.77	ppbv		97
59) m/p-Xylene	13.14	91	2435942	9.55	ppbv		100
60) o-Xylene	13.87	91	785918	3.09	ppbv		97
62) Isopropylbenzene	14.84	105	47623m	0.13	ppbv		
64) n-propylbenzene	15.74	120	25299m	0.28	ppbv		
72) 4-Ethyltoluene	16.02	105	223757	0.81	ppbv		97
73) 1,3,5-Trimethylbenzene	16.18	105	124128	0.45	ppbv	#	81
74) 1,2,4-Trimethylbenzene	16.94	105	377209	1.25	ppbv	#	79

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032645.D
Acq On : 17 Oct 2018 17:37
Operator : SY/AP
Sample : J5500-01DLDUP 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 19 03:12:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
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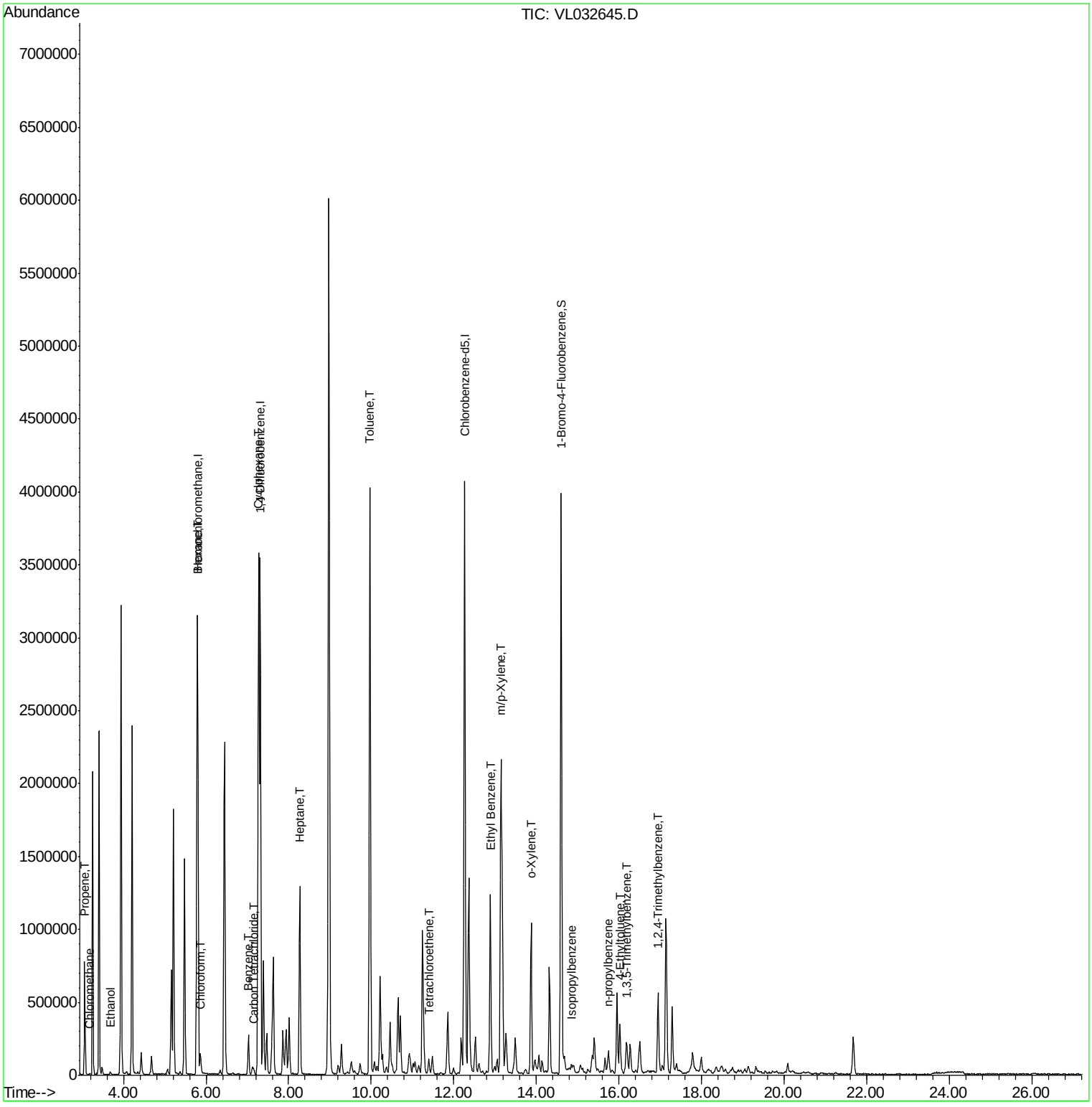
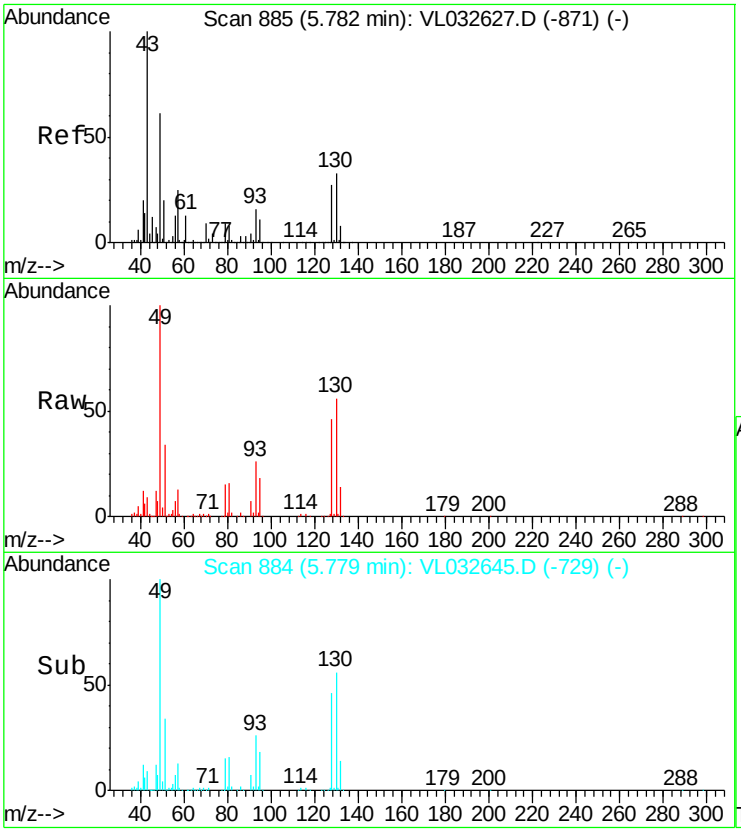
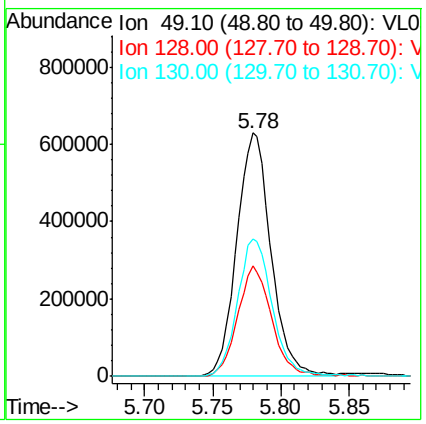




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 49 Resp: 1097275

Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.3	66.8
130	57.7	28.4	85.3



Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
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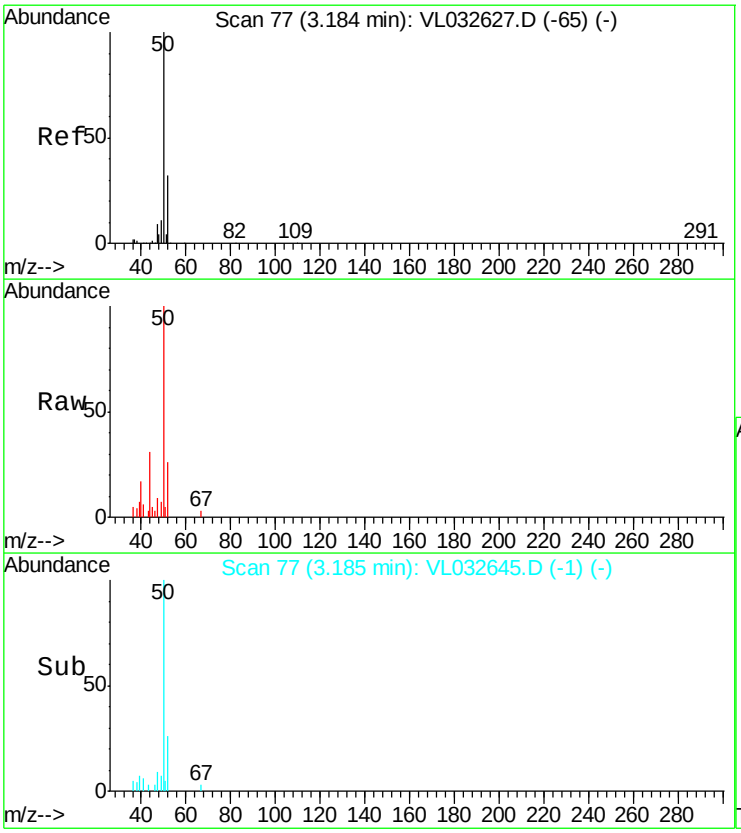
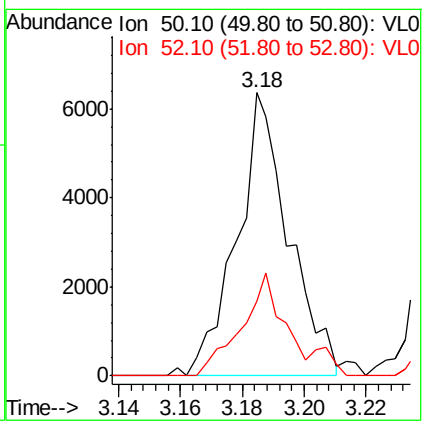
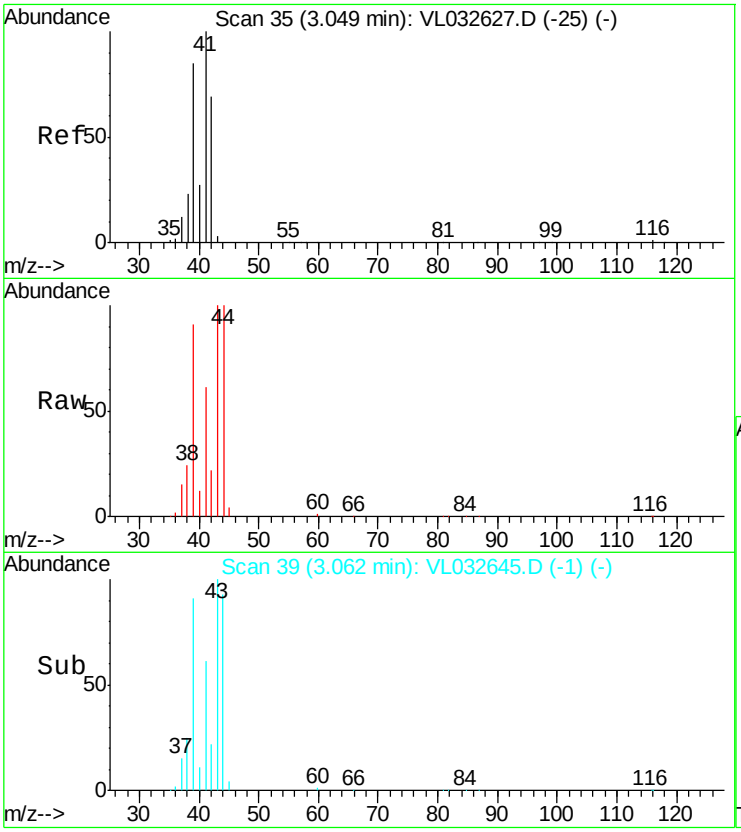


#4
Chloromethane
Concen: 0.15 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 50 Resp: 7407

Ion	Ratio	Lower	Upper
50	100		
52	25.2	25.9	38.9#





#9
Propene
Concen: 4.20 ppbv m
RT: 3.06 min Scan# 39
Delta R.T. 0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 41 Resp: 141295

Ion	Ratio	Lower	Upper
41	100		
42	265.2	55.4	83.0#

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
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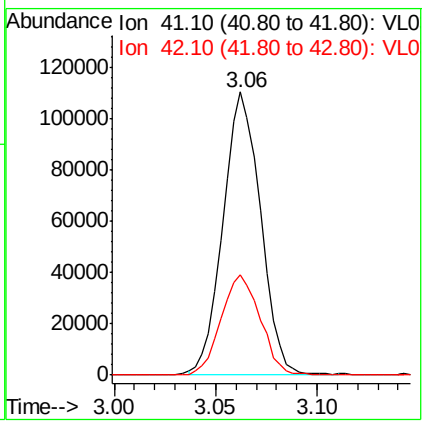
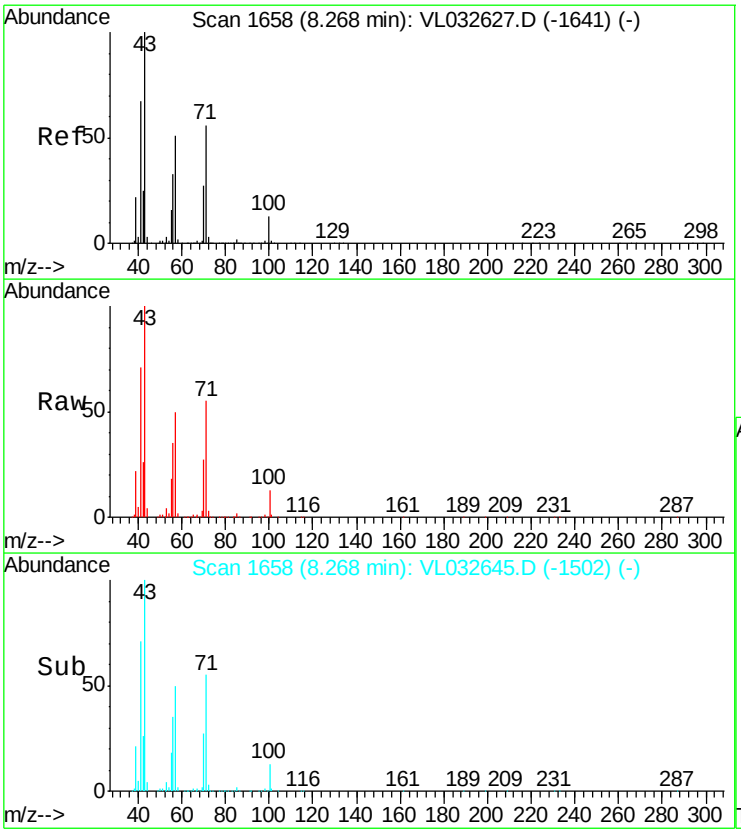
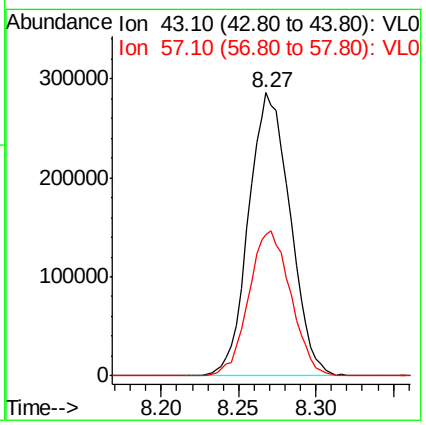


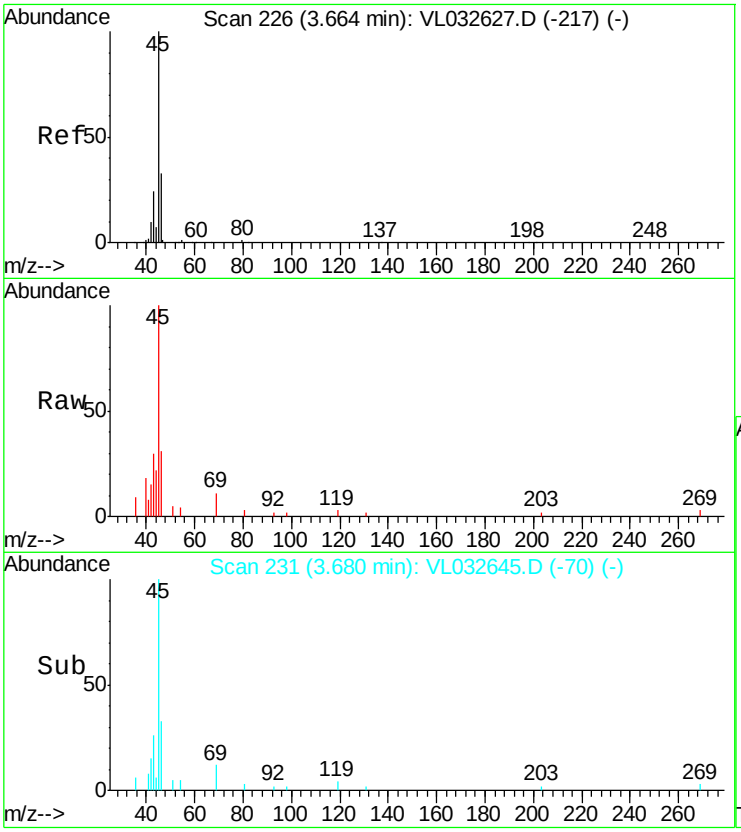


#10
Heptane
Concen: 4.24 ppbv
RT: 8.27 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 43 Resp: 533905

Ion	Ratio	Lower	Upper
43	100		
57	52.0	41.5	62.3

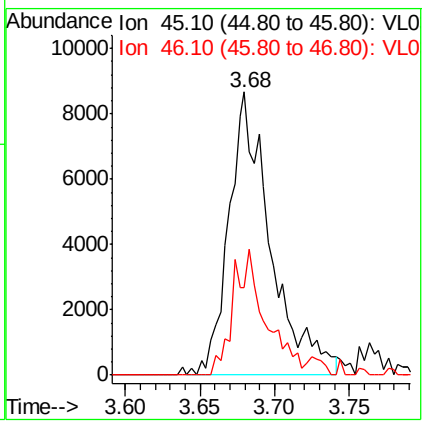




#13
Ethanol
Concen: 1.62 ppbv m
RT: 3.68 min Scan# 231
Delta R.T. 0.02 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 45 Resp: 16826

Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.4	61.8



Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

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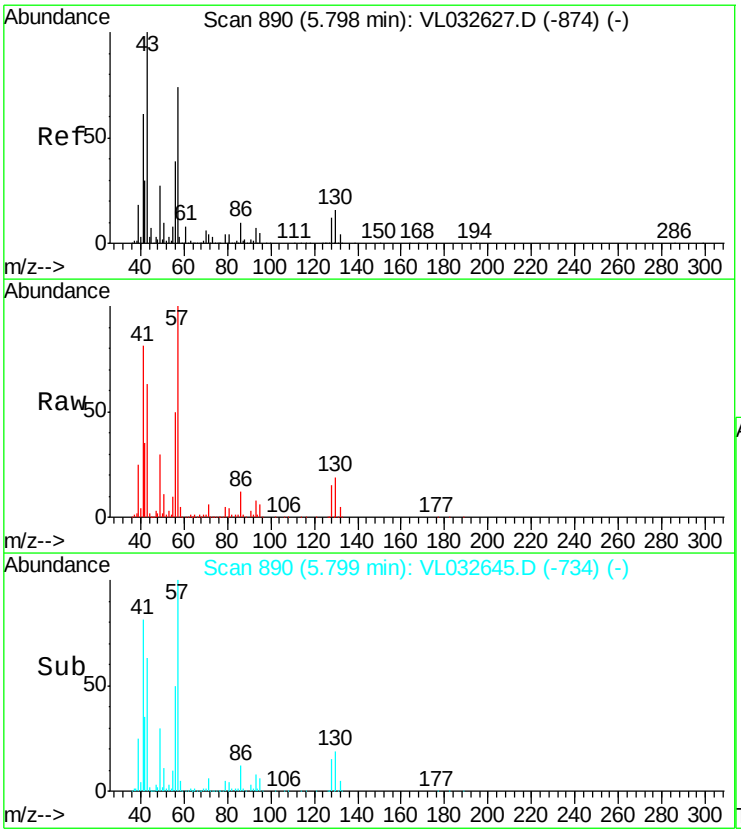
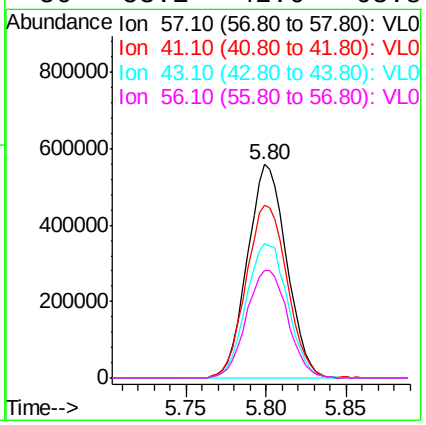
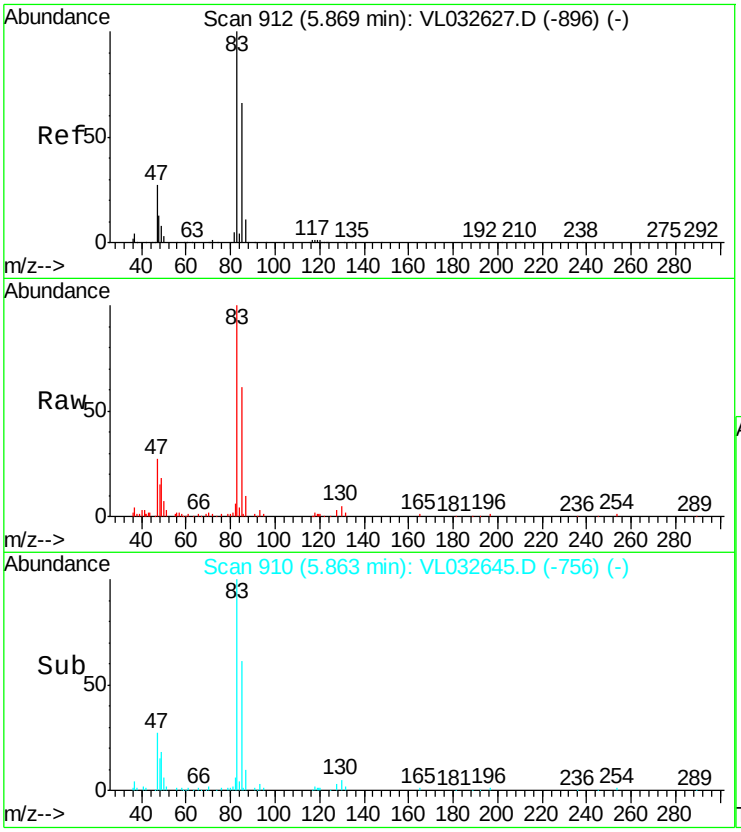


#26
Hexane
Concen: 9.02 ppbv
RT: 5.80 min Scan# 890
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 57 Resp: 939205

Ion	Ratio	Lower	Upper
57	100		
41	85.2	67.4	101.0
43	66.7	171.9	257.9#
56	53.1	42.6	63.8

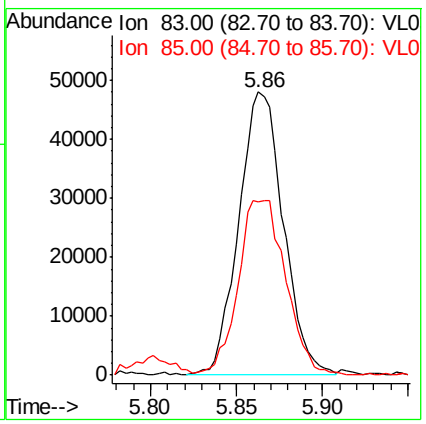




#29
Chloroform
Concen: 0.47 ppbv
RT: 5.86 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 83 Resp: 86431

Ion	Ratio	Lower	Upper
83	100		
85	60.2	53.0	79.6



Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
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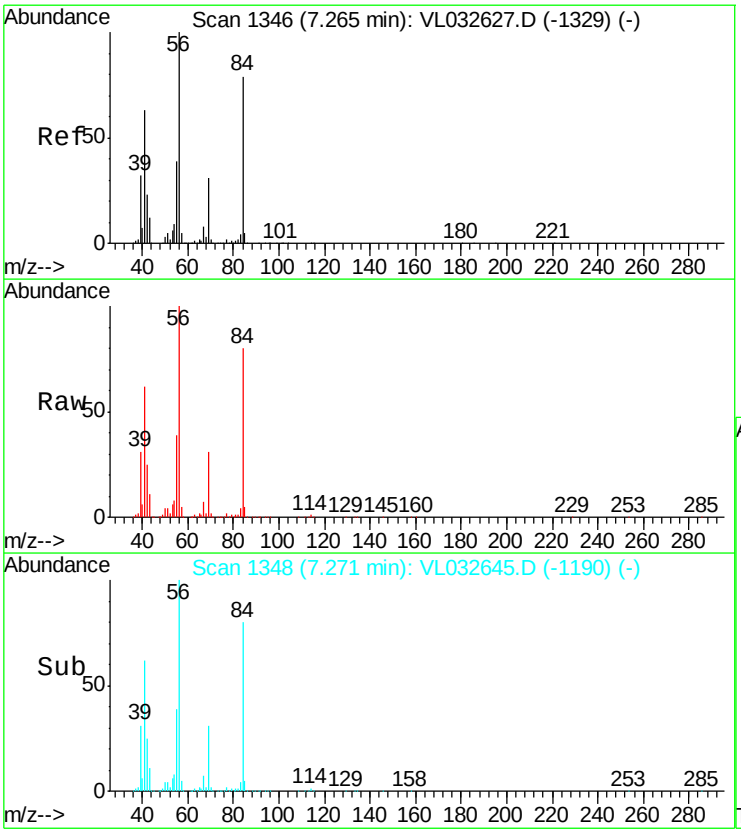
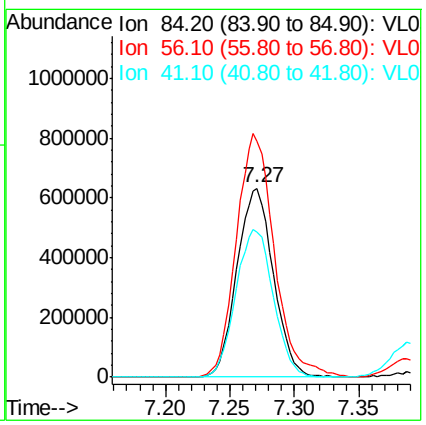
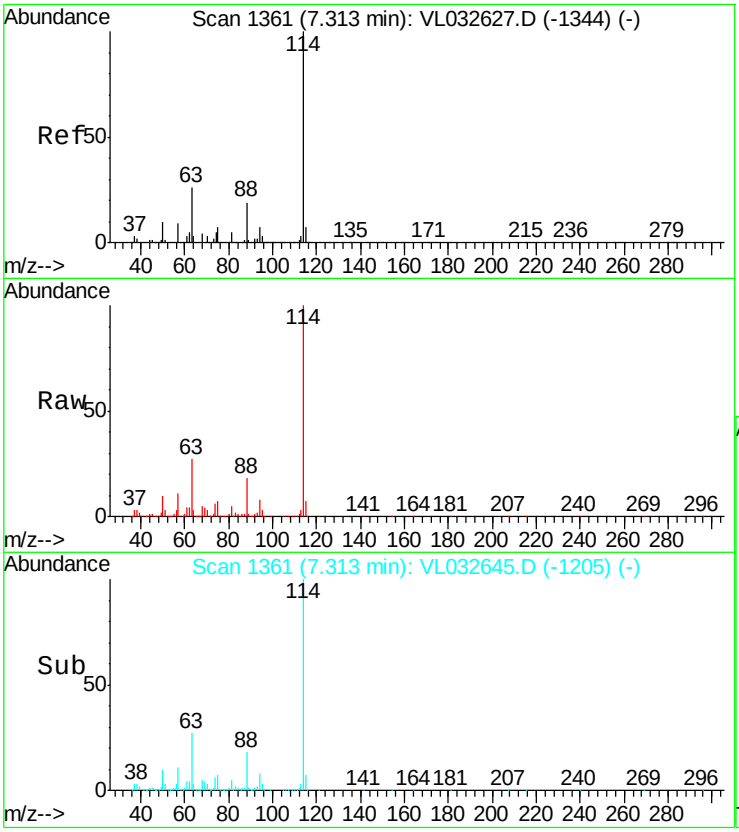


#30
Cyclohexane
Concen: 15.20 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 84 Resp: 1247685

Ion	Ratio	Lower	Upper
84	100		
56	134.2	108.3	162.5
41	80.3	64.8	97.2

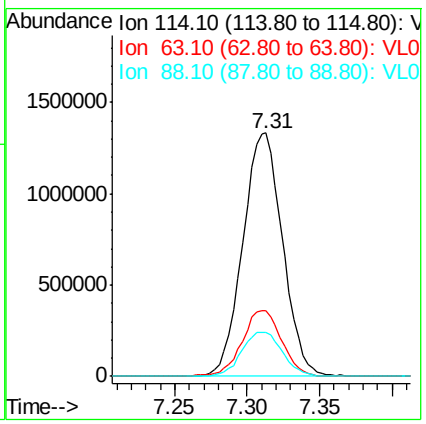




#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.31 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion:114 Resp: 2543273

Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.7	32.5
88	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
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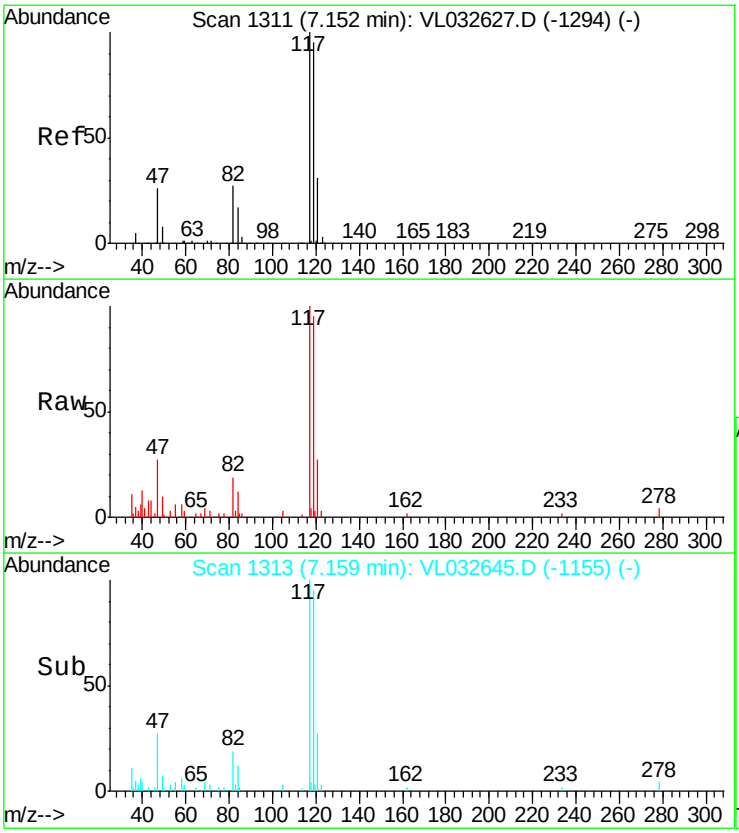
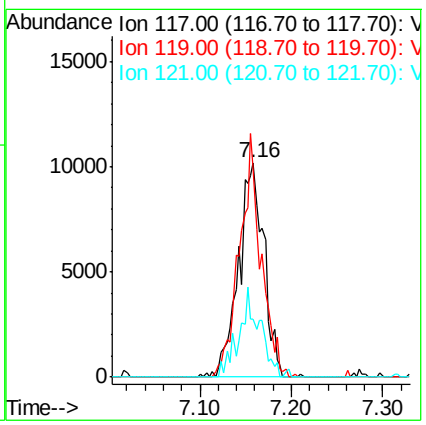
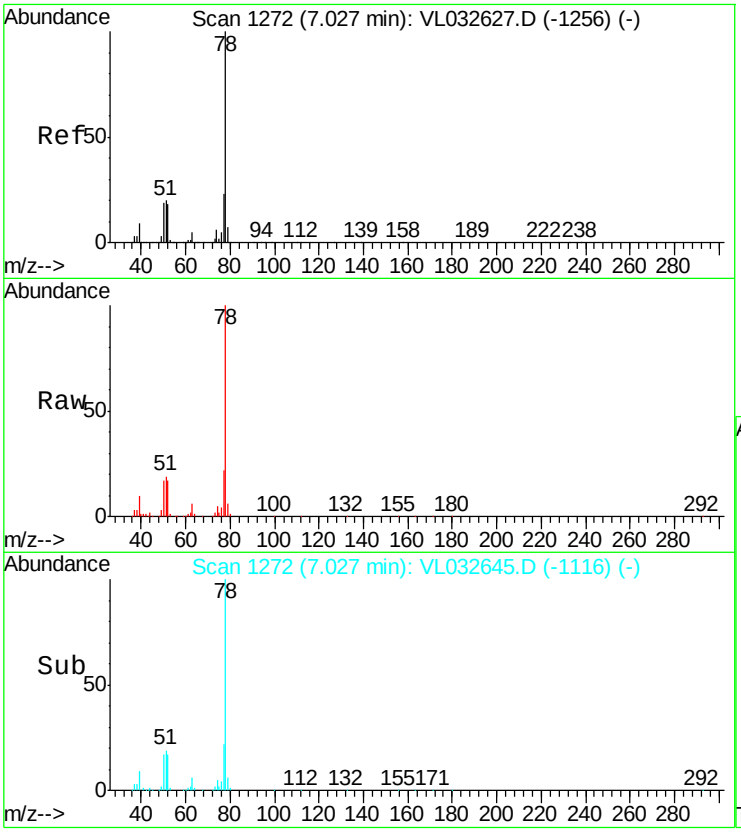


#35
Carbon Tetrachloride
Concen: 0.10 ppbv m
RT: 7.16 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion:117 Resp: 19519

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.7	113.5
121	26.8	24.7	37.1

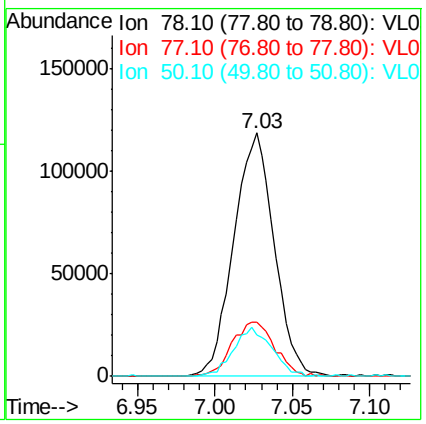




#36
Benzene
Concen: 1.04 ppbv
RT: 7.03 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 78 Resp: 215347

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.1	27.1
50	16.8	15.1	22.7



Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
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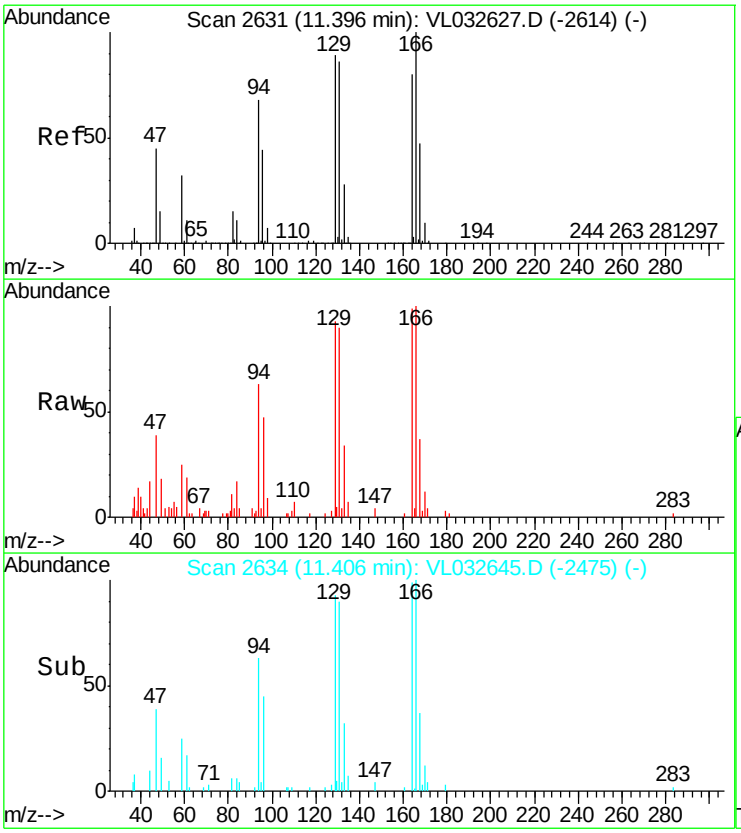
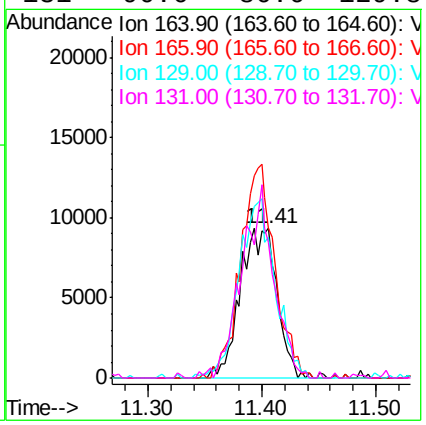
10/19/2018 4:36:39 PM

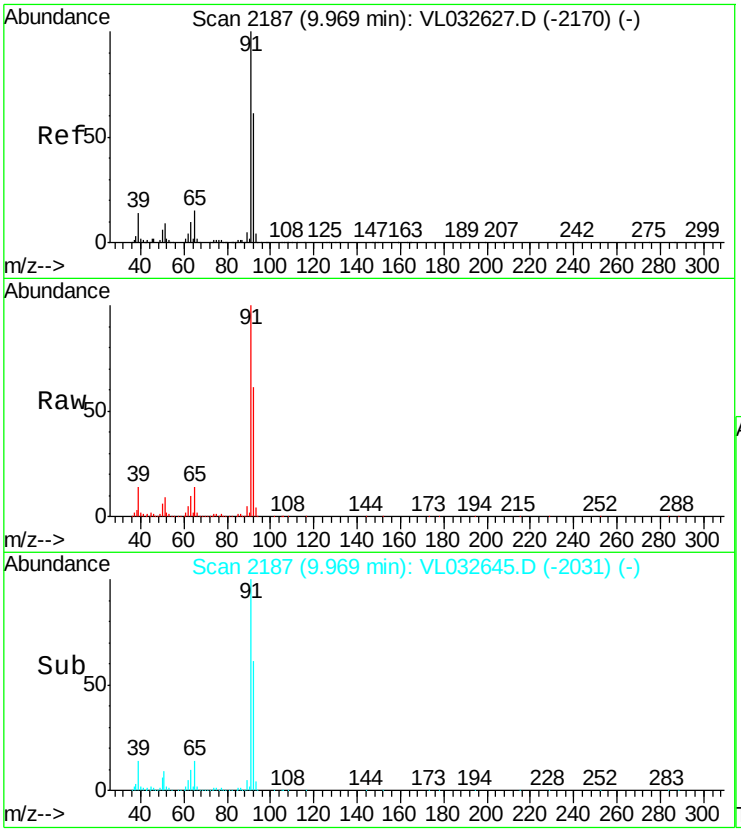


#52
Tetrachloroethene
Concen: 0.31 ppbv m
RT: 11.41 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion:164 Resp: 21137

Ion	Ratio	Lower	Upper
164	100		
166	100.7	100.5	150.7
129	94.1	90.0	135.0
131	90.6	86.6	129.8

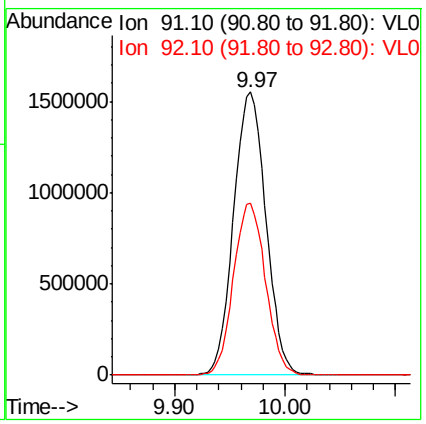




#53
Toluene
Concen: 13.44 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

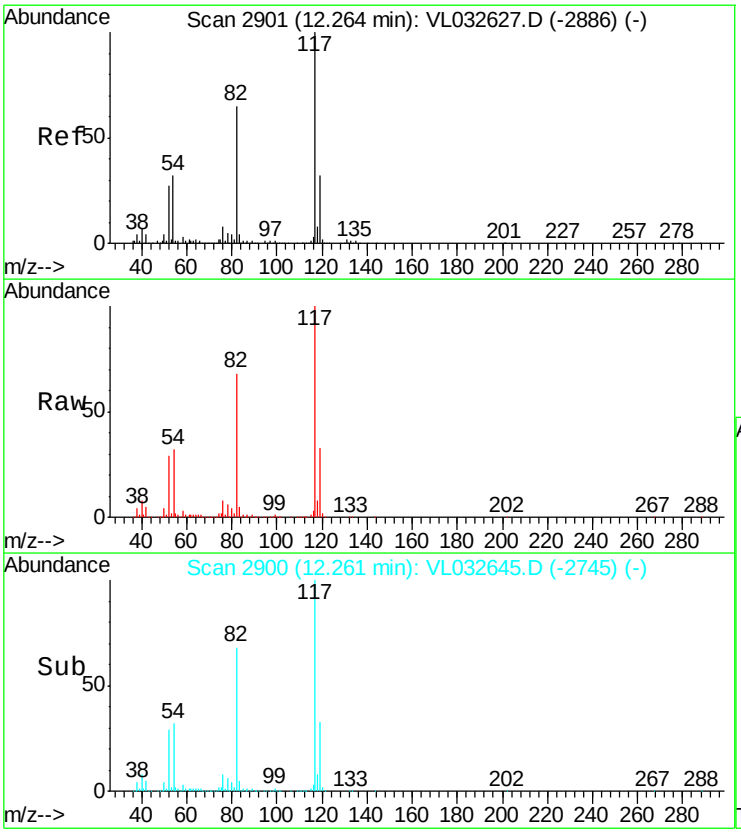
Tgt Ion: 91 Resp: 3158750

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

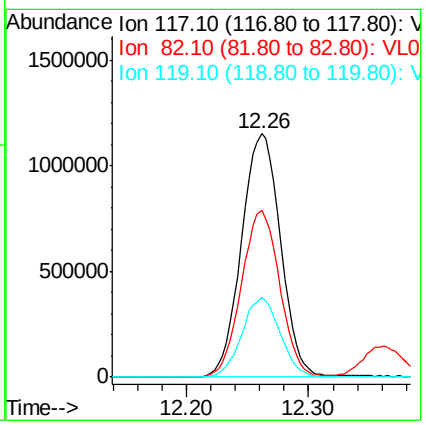
Manual Integrations APPROVED
MMDadoda
10/19/2018 4:36:39 PM

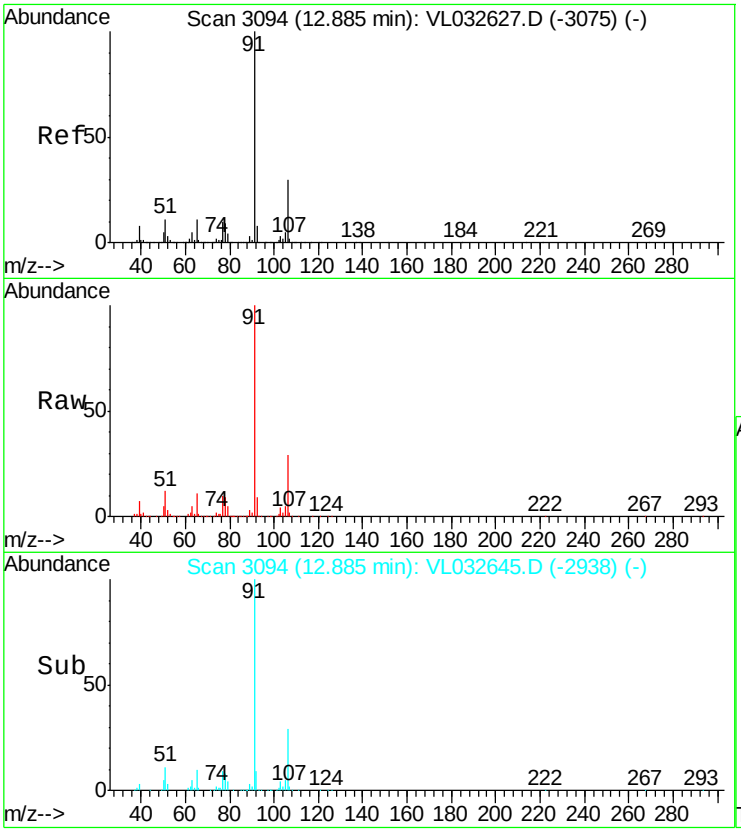


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion:117 Resp: 2545034

Ion	Ratio	Lower	Upper
117	100		
82	67.2	52.7	79.1
119	32.3	26.7	40.1

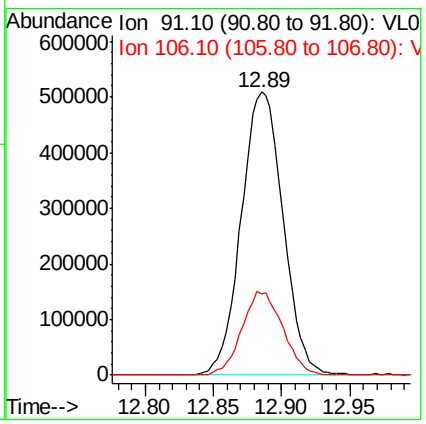




#58
Ethyl Benzene
Concen: 3.77 ppbv
RT: 12.89 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

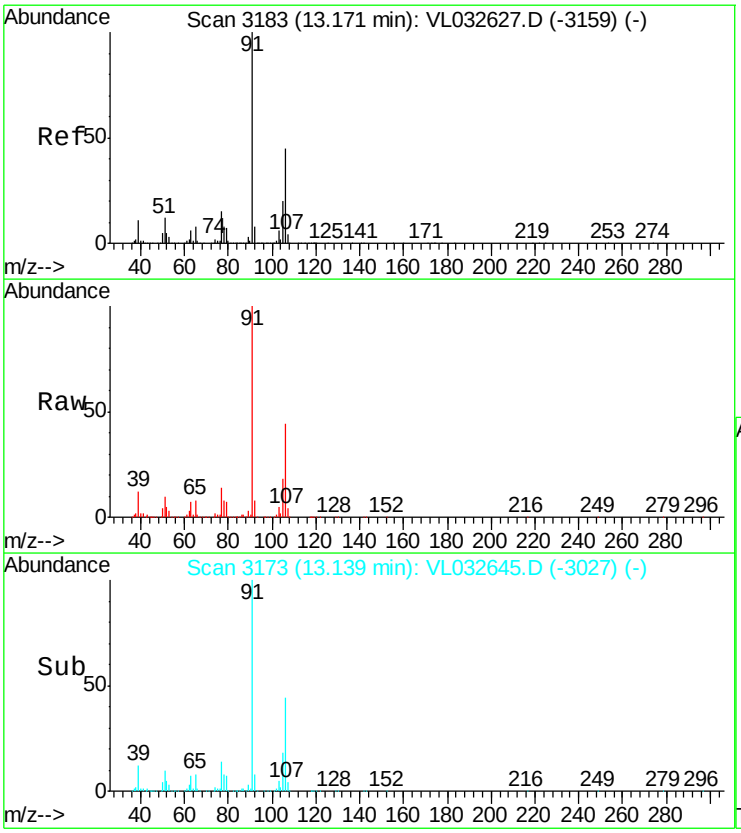
Tgt Ion: 91 Resp: 1078864

Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

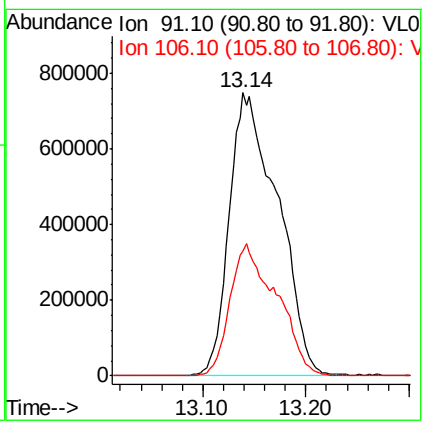
Manual Integrations APPROVED
MMDadoda
10/19/2018 4:36:39 PM

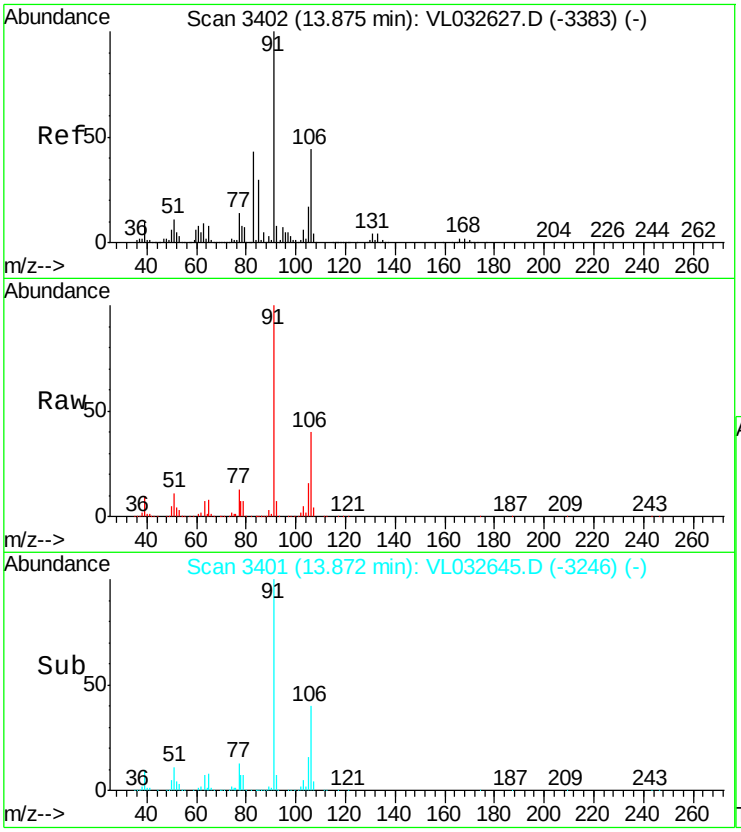


#59
m/p-Xylene
Concen: 9.55 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 91 Resp: 2435942

Ion	Ratio	Lower	Upper
91	100		
106	45.1	35.9	53.9





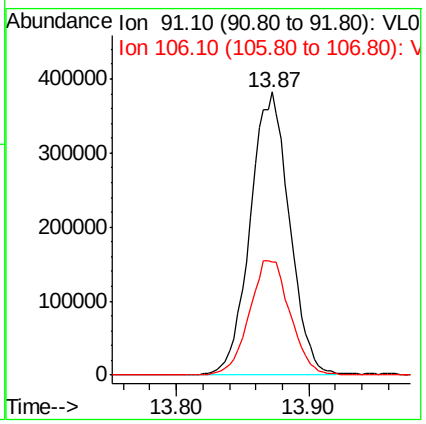
#60
o-Xylene
Concen: 3.09 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

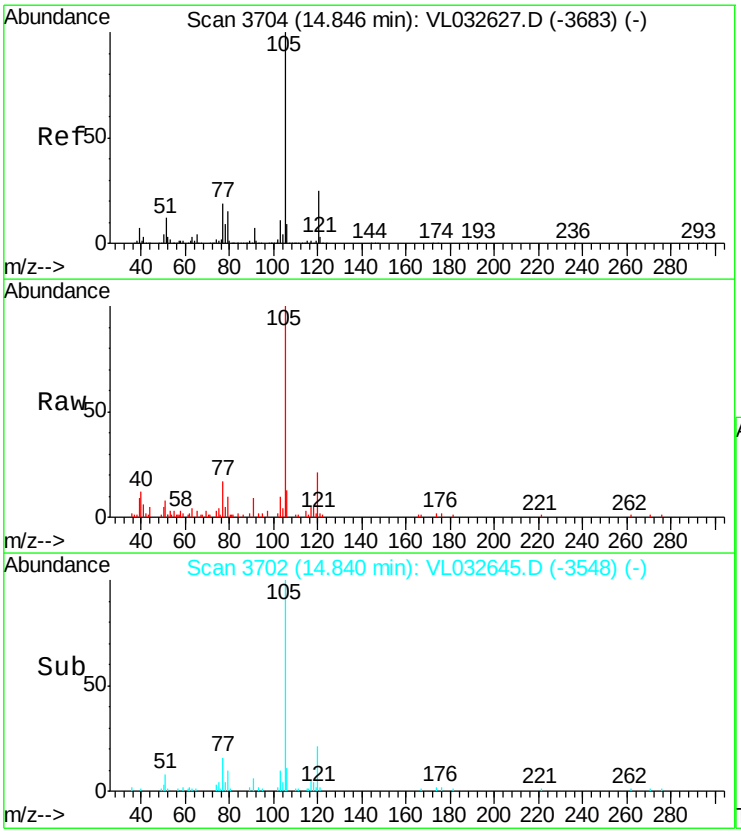
Tgt Ion: 91 Resp: 785918

Ion	Ratio	Lower	Upper
91	100		
106	42.1	22.1	66.1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
MMDadoda
10/19/2018 4:36:39 PM

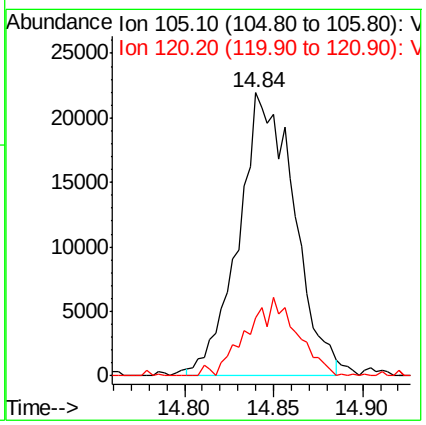


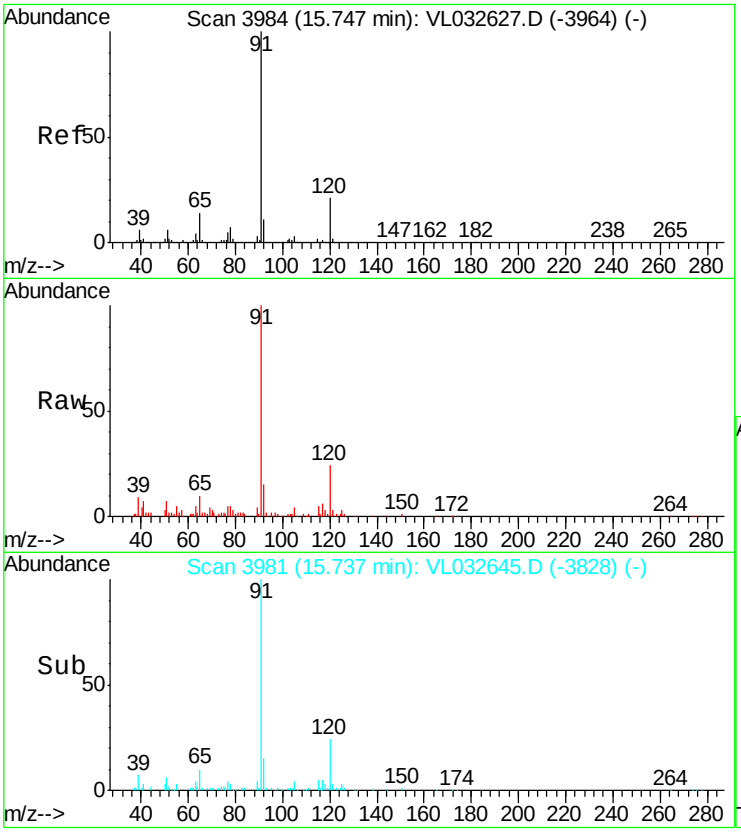


#62
Isopropylbenzene
Concen: 0.13 ppbv m
RT: 14.84 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion:105 Resp: 47623

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.5	30.7#





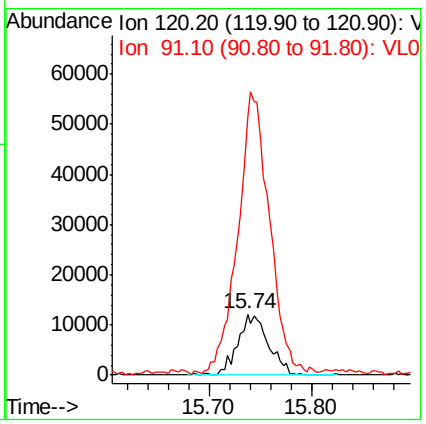
#64
n-propylbenzene
Concen: 0.28 ppbv m
RT: 15.74 min Scan# 3981
Delta R.T. -0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

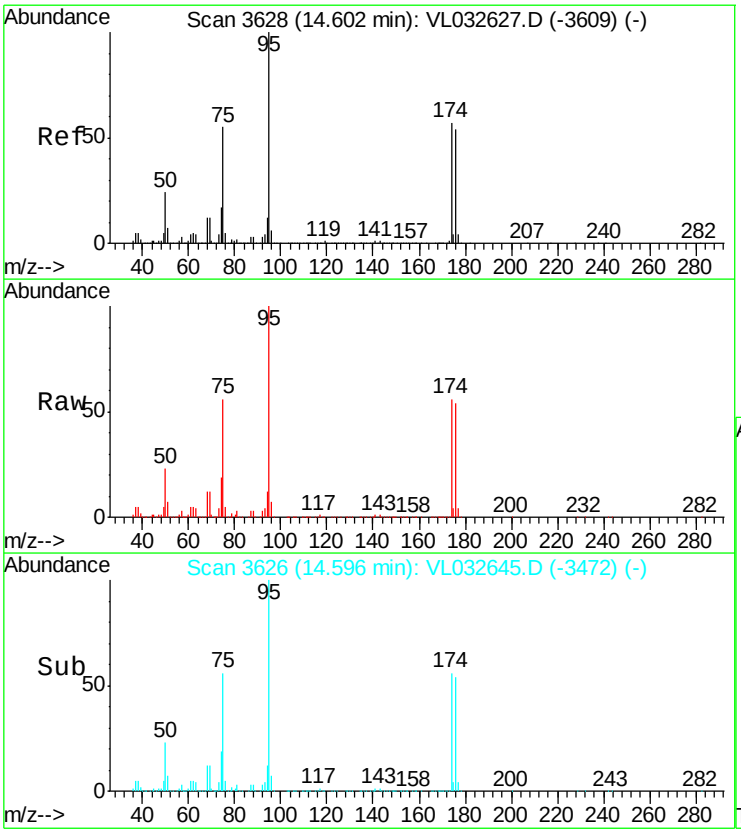
Tgt Ion:120 Resp: 25299

Ion	Ratio	Lower	Upper
120	100		
91	497.4	390.2	585.2

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Manual Integrations APPROVED
MMDadoda
10/19/2018 4:36:39 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 10.27 ppbv
RT: 14.60 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 95 Resp: 1967806

Ion	Ratio	Lower	Upper
95	100		
174	57.9	46.0	69.0
175	4.3	3.4	5.0