Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031294.D
Acq On : 21 Dec 2017 7:10
Operator : SY/AP
Sample : I7005-11DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP1-SV-10DL

Manual Integrations APPROVED
MMDadoda
12/22/2017 4:55:13 PM

Quant Time: Dec 22 07:24:29 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 1
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1322608	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3245188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3175472	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2744409	12.15	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 121.50%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	3.11	51	621851	4.14	ppbv	98
9) Propene	3.15	41	317751m	4.31	ppbv	
13) Ethanol	3.78	45	17935m	0.84	ppbv	
15) Acetone	4.03	43	391940	2.25	ppbv #	87
29) Chloroform	6.00	83	25994	0.11	ppbv	90
30) Cyclohexane	7.40	84	31617m	0.21	ppbv	
34) 2-Butanone	5.47	43	879184	3.84	ppbv	100
41) Tetrahydrofuran	6.33	42	42008	0.33	ppbv	97
51) 2-Hexanone	10.47	43	49876m	0.19	ppbv	
52) Tetrachloroethene	11.55	164	415579	3.28	ppbv	96
53) Toluene	10.12	91	92020	0.25	ppbv	98
58) Ethyl Benzene	13.04	91	63151	0.12	ppbv	97
59) m/p-Xylene	13.30	91	98676m	0.24	ppbv	
62) Isopropylbenzene	15.00	105	210332	0.38	ppbv	98
64) n-propylbenzene	15.89	120	57401m	0.39	ppbv	
67) sec-Butylbenzene	17.63	105	118817	0.18	ppbv	99

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031294.D
Acq On : 21 Dec 2017 7:10
Operator : SY/AP
Sample : I7005-11DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 22 07:24:29 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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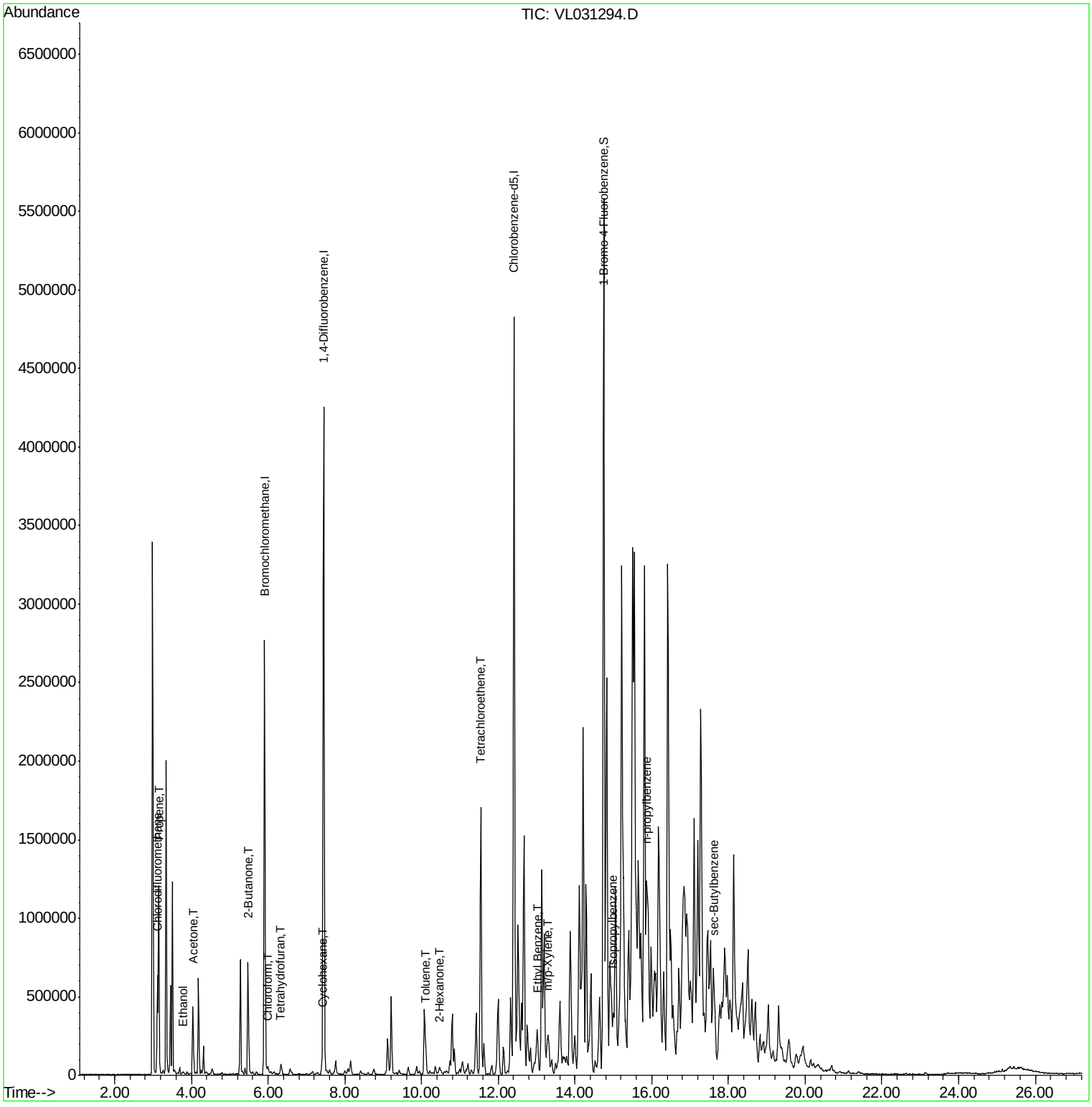
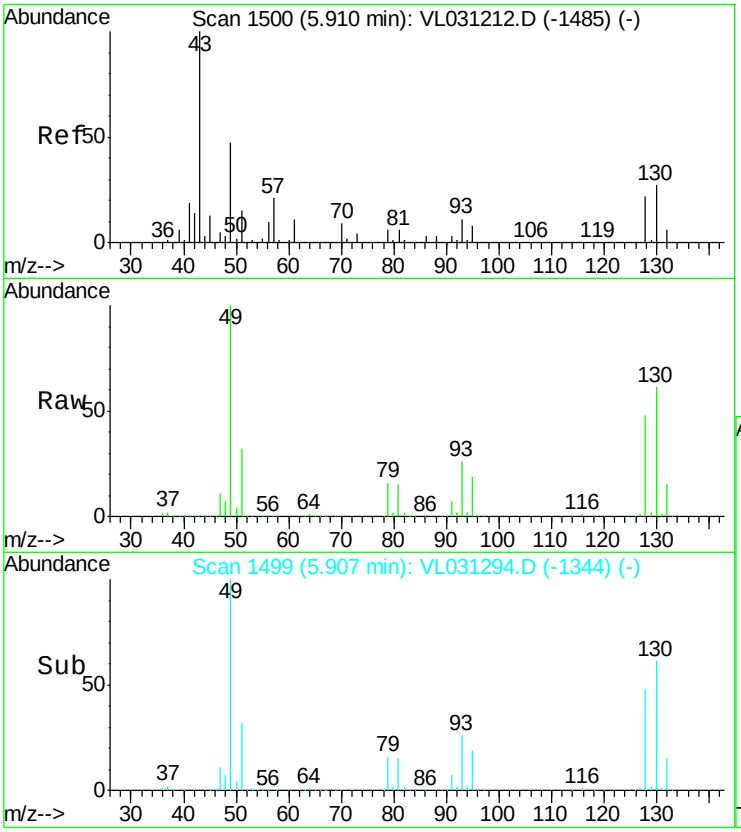
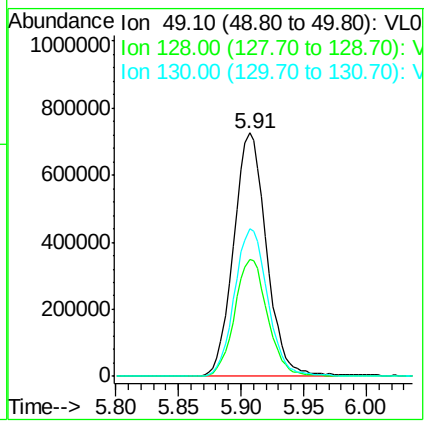




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 49 Resp: 1322608

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.2	69.5
130	62.1	29.6	88.8



Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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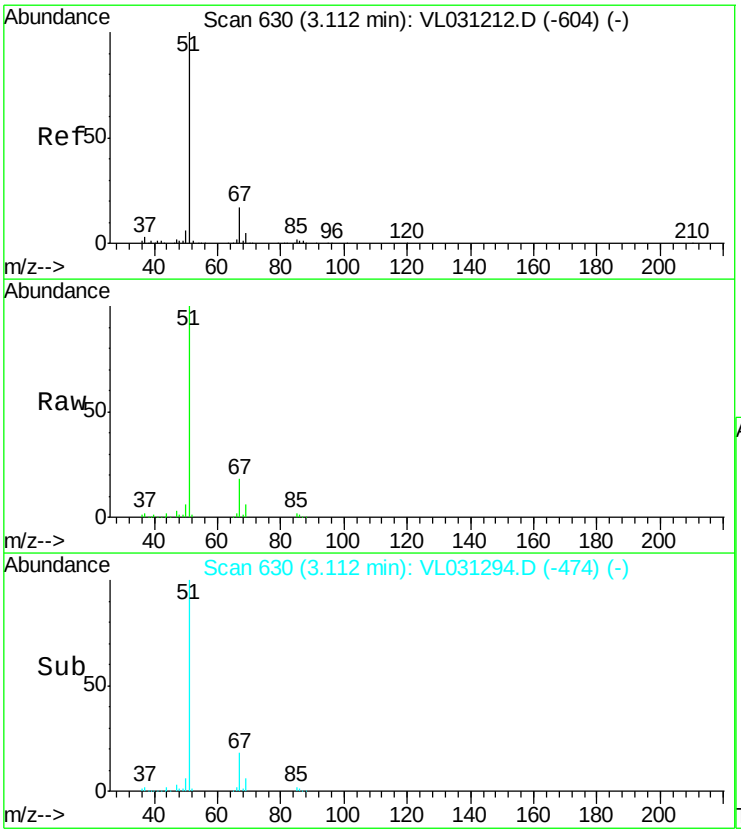
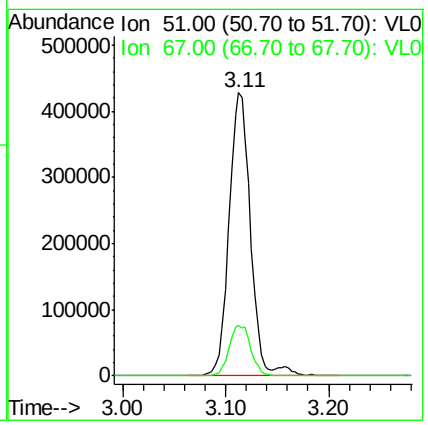
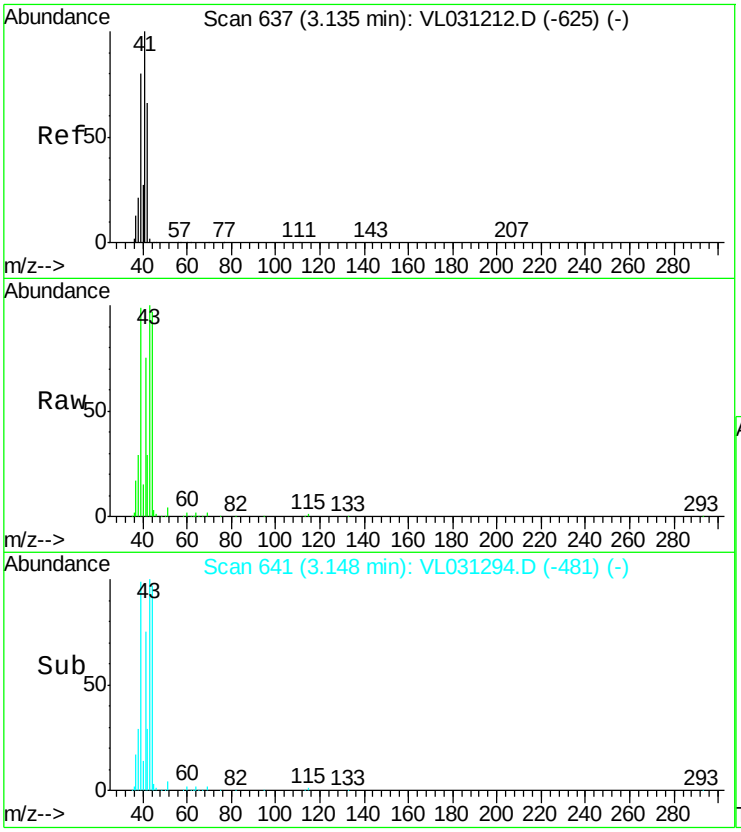


#3
Chlorodifluoromethane
Concen: 4.14 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 51 Resp: 621851

Ion	Ratio	Lower	Upper
51	100		
67	18.1	13.8	20.6

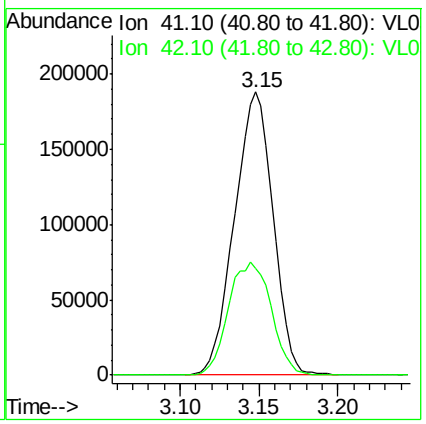




#9
Propene
Concen: 4.31 ppbv m
RT: 3.15 min Scan# 641
Delta R.T. 0.01 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 41 Resp: 317751

Ion	Ratio	Lower	Upper
41	100		
42	114.4	54.3	81.5#



Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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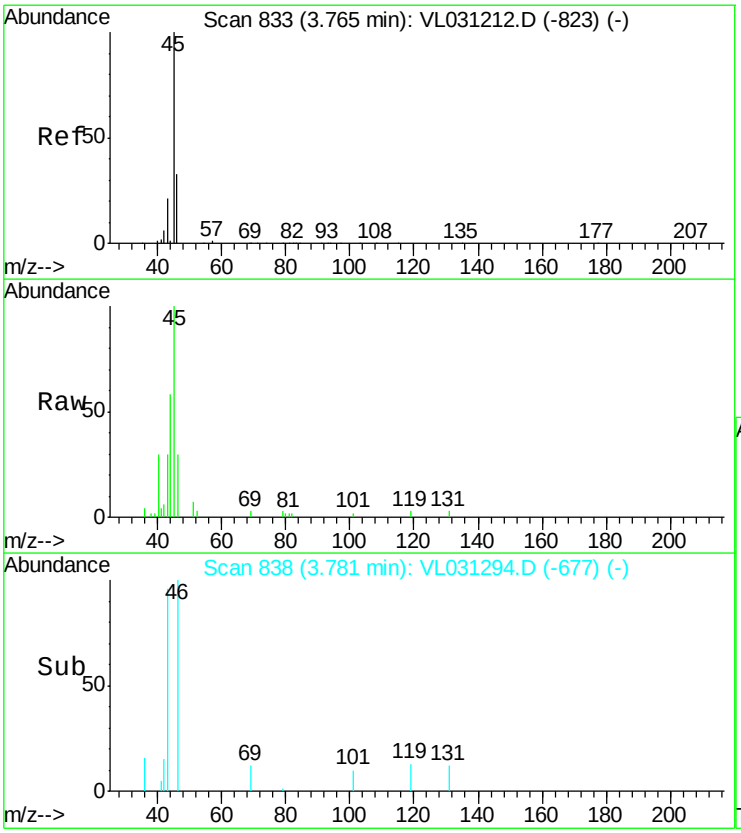
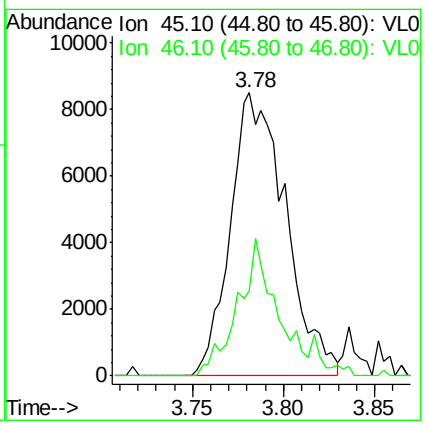
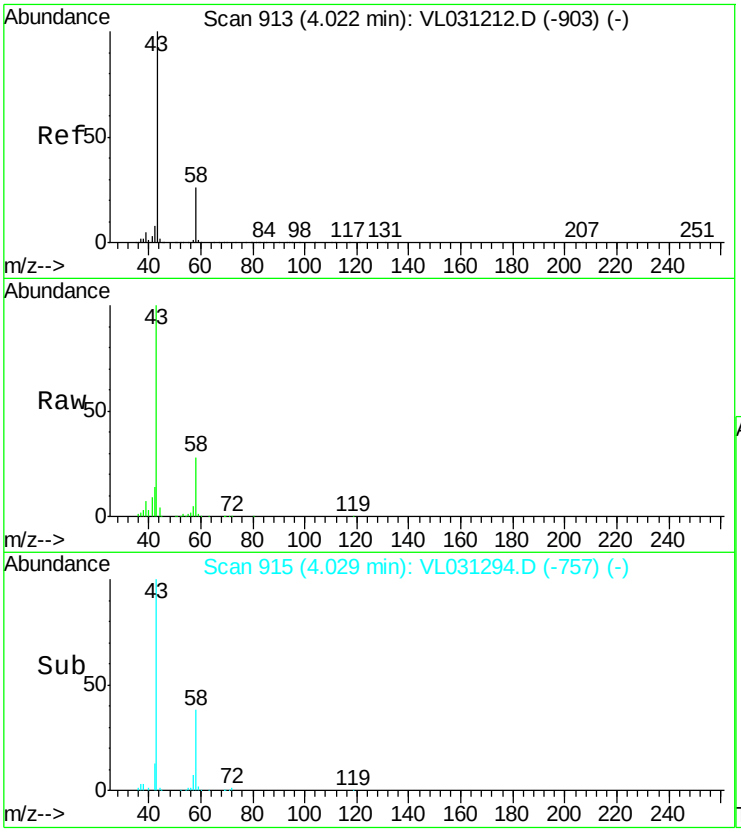


#13
Ethanol
Concen: 0.84 ppbv m
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 45 Resp: 17935

Ion	Ratio	Lower	Upper
45	100		
46	37.2	14.6	58.4

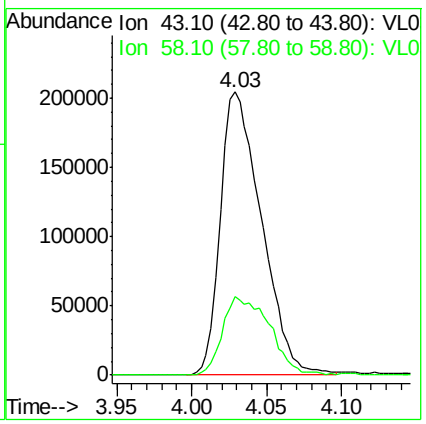




#15
Acetone
Concen: 2.25 ppbv
RT: 4.03 min Scan# 915
Delta R.T. 0.01 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 43 Resp: 391940

Ion	Ratio	Lower	Upper
43	100		
58	32.1	20.3	30.5#



Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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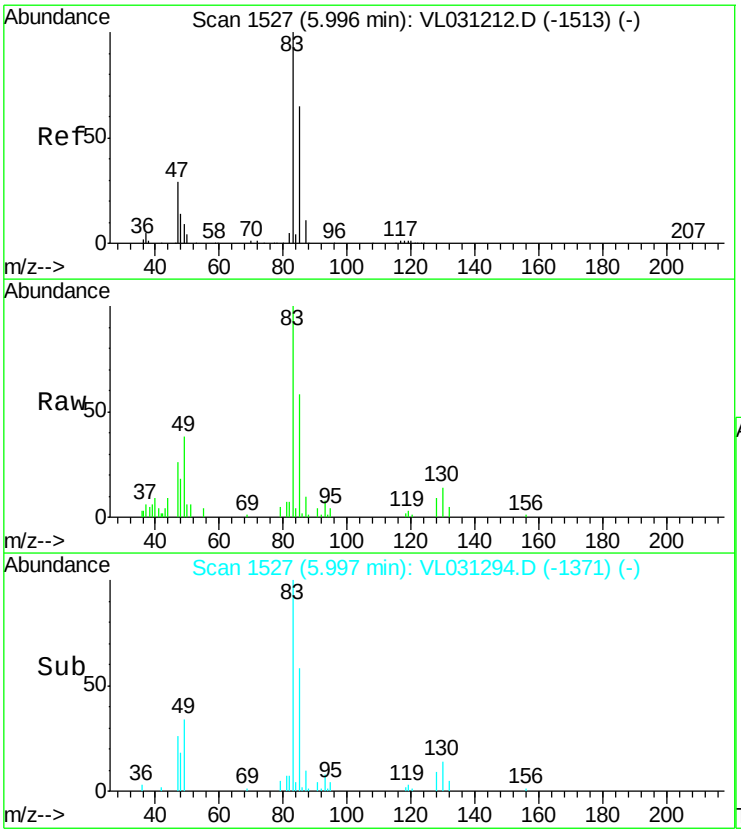
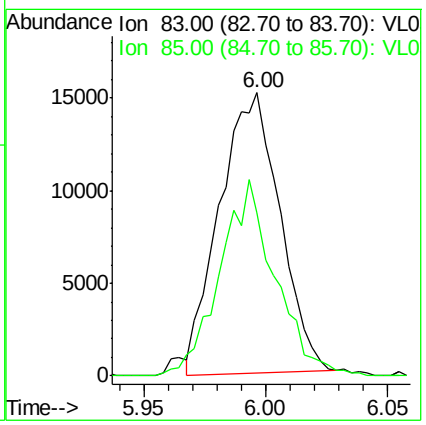
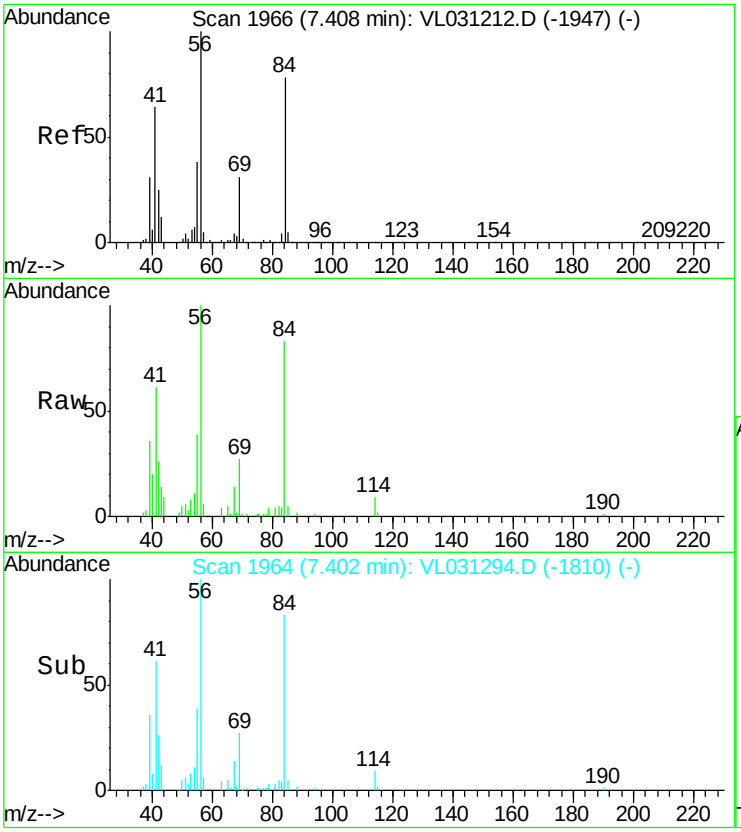


#29
Chloroform
Concen: 0.11 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 83 Resp: 25994

Ion	Ratio	Lower	Upper
83	100		
85	57.1	51.8	77.6

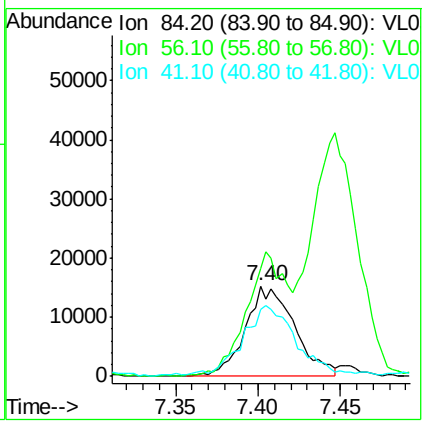




#30
Cyclohexane
Concen: 0.21 ppbv m
RT: 7.40 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 84 Resp: 31617

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.0	162.0#
41	88.9	66.2	99.4



Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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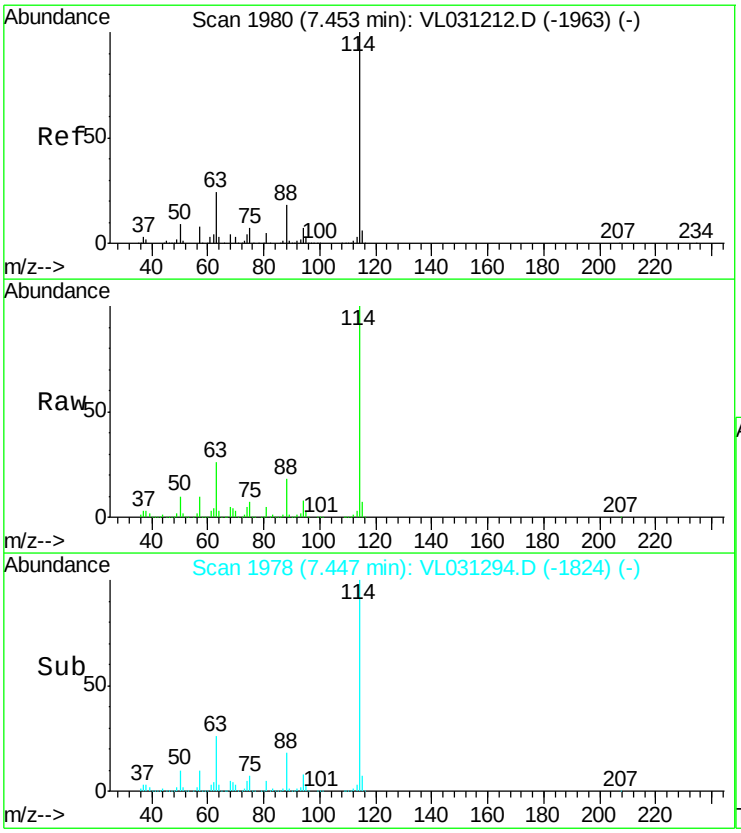
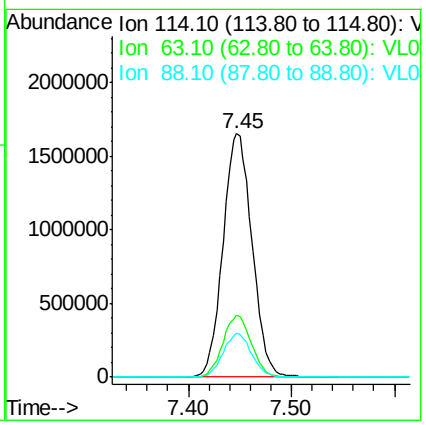
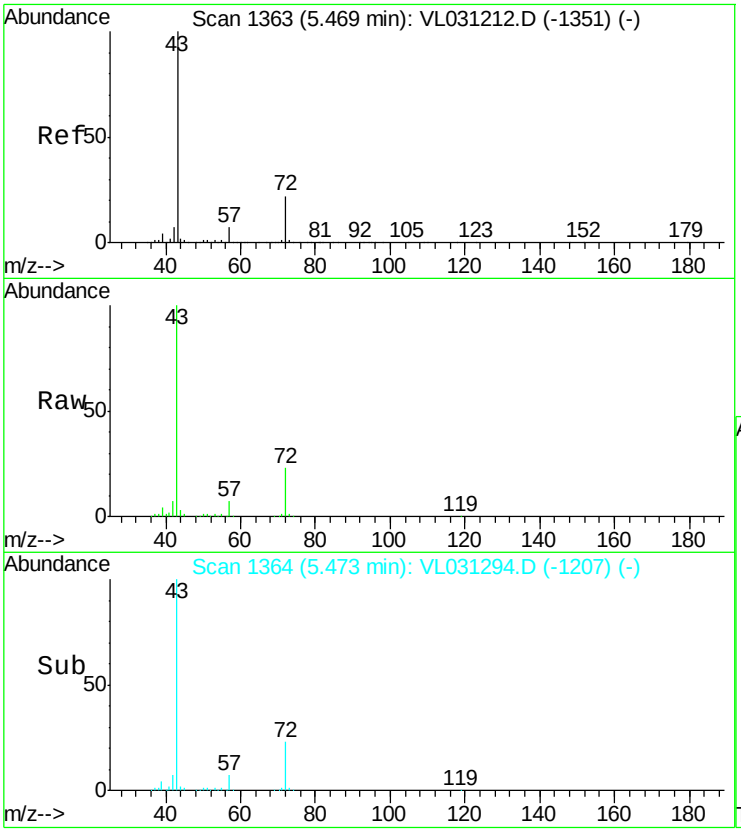


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion:114 Resp: 3245188

Ion	Ratio	Lower	Upper
114	100		
63	24.9	19.8	29.8
88	17.5	14.2	21.4

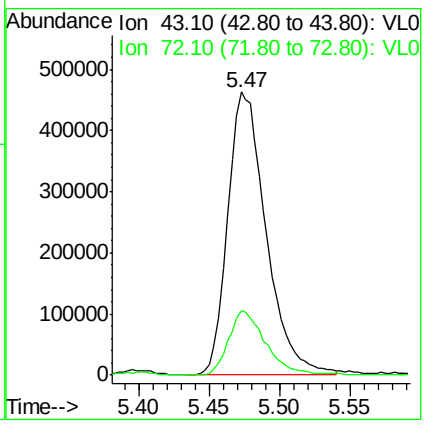




#34
2-Butanone
Concen: 3.84 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 43 Resp: 879184

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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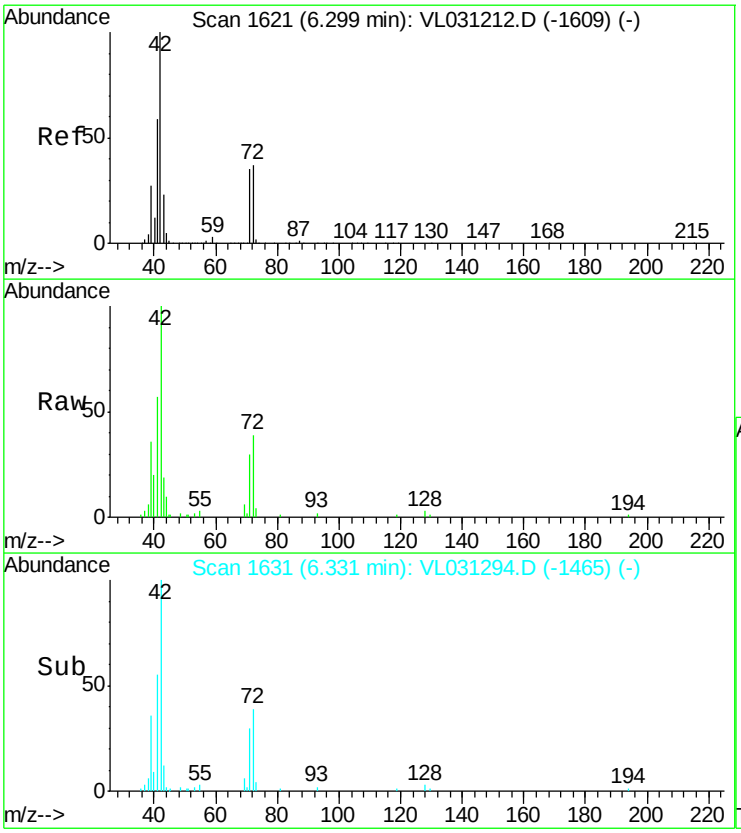
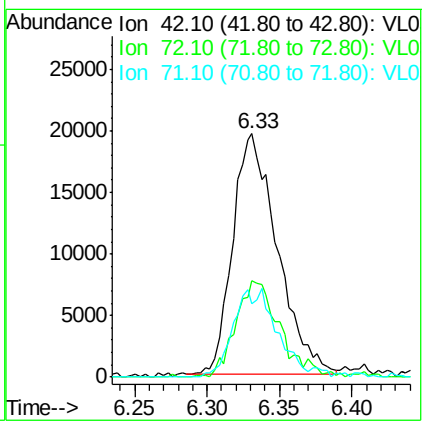
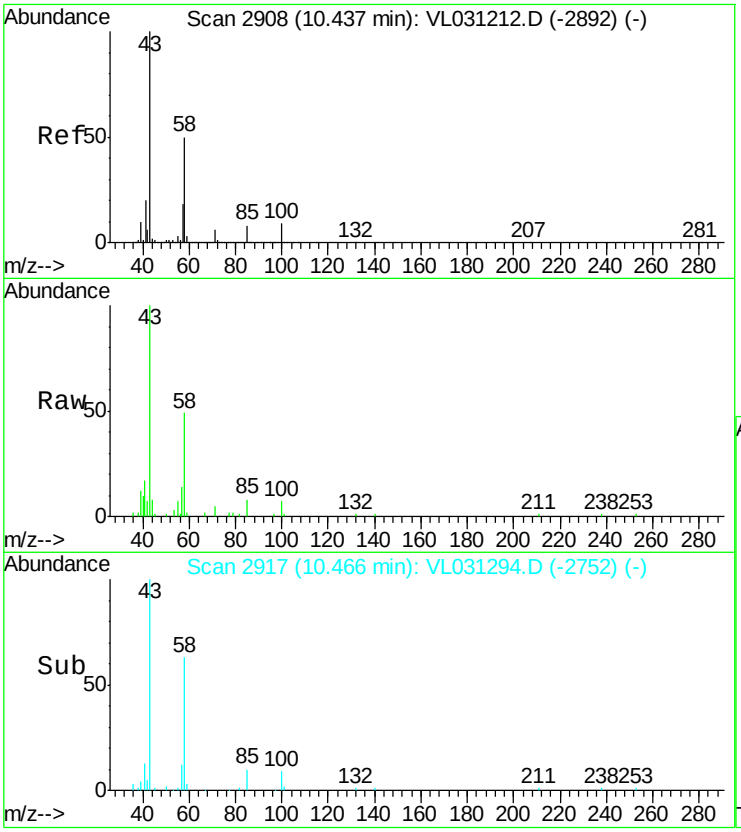


#41
Tetrahydrofuran
Concen: 0.33 ppbv
RT: 6.33 min Scan# 1631
Delta R.T. 0.03 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 42 Resp: 42008

Ion	Ratio	Lower	Upper
42	100		
72	40.4	30.2	45.4
71	37.1	29.0	43.6

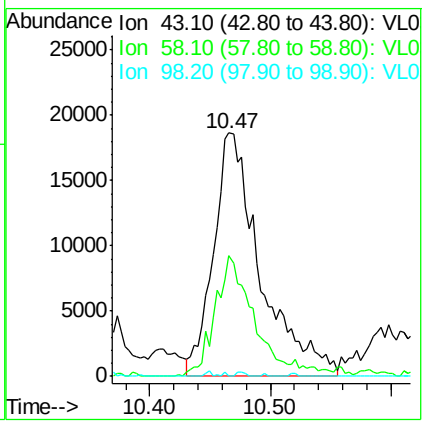




#51
2-Hexanone
Concen: 0.19 ppbv m
RT: 10.47 min Scan# 2917
Delta R.T. 0.03 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 43 Resp: 49876

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.8	59.6#
98	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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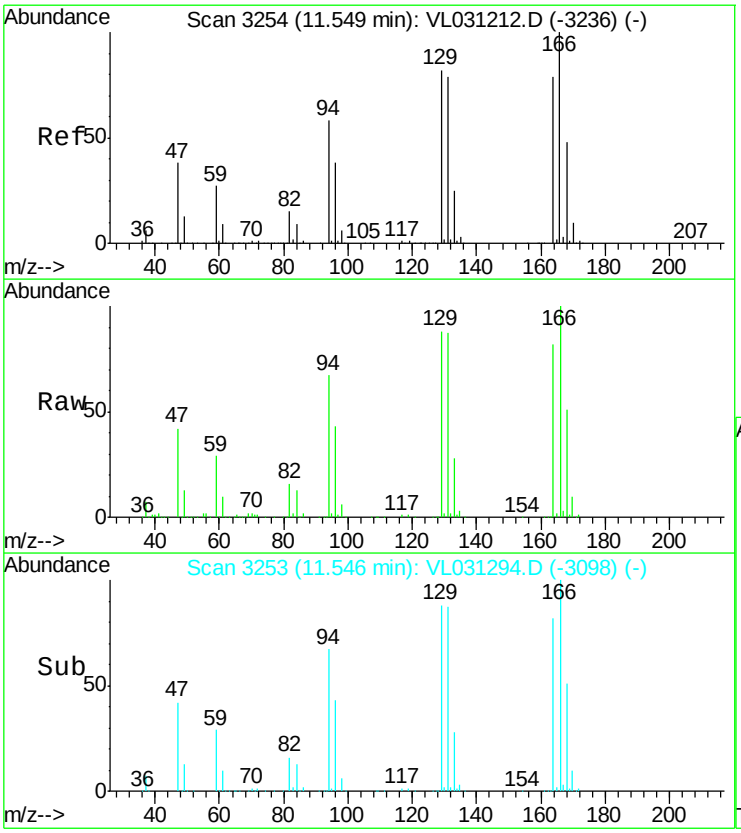
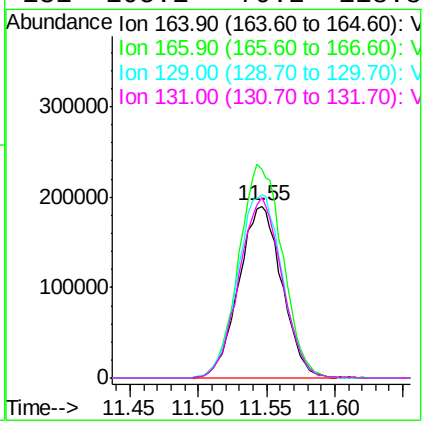
12/22/2017 4:55:13 PM

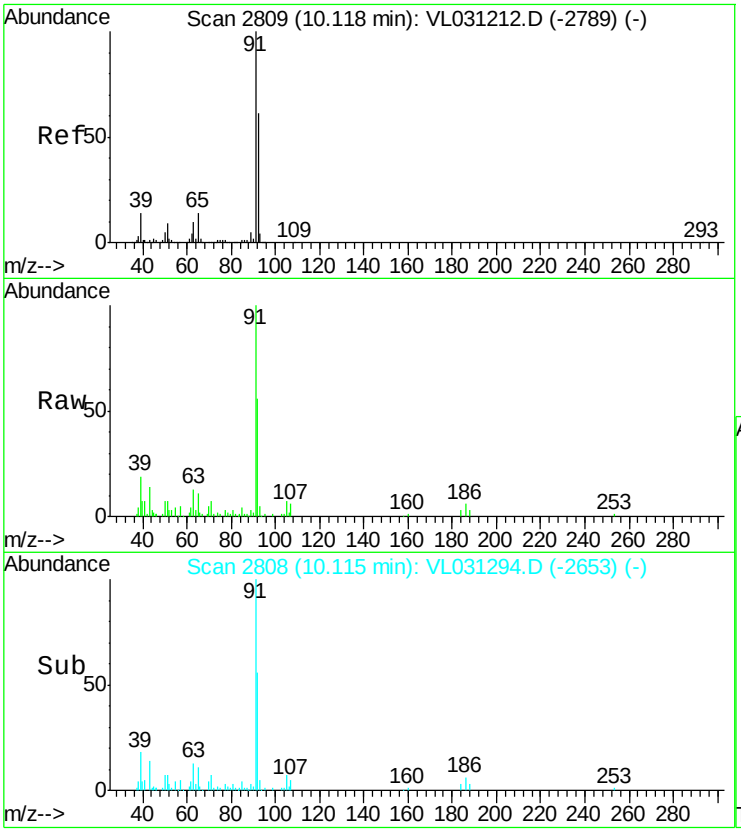


#52
Tetrachloroethene
Concen: 3.28 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. -0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion:164 Resp: 415579

Ion	Ratio	Lower	Upper
164	100		
166	121.2	100.6	151.0
129	106.5	82.9	124.3
131	105.1	79.2	118.8





#53
Toluene
Concen: 0.25 ppbv
RT: 10.12 min Scan# 2808
Delta R.T. -0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 91 Resp: 92020

Ion	Ratio	Lower	Upper
91	100		
92	63.2	49.1	73.7

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
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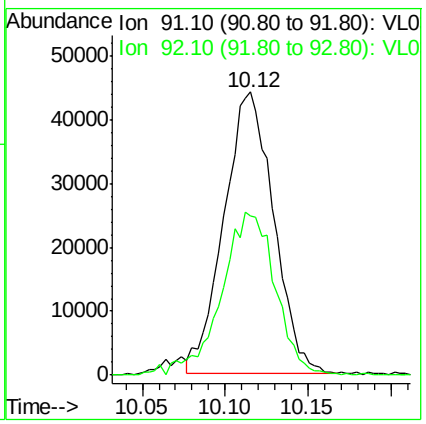
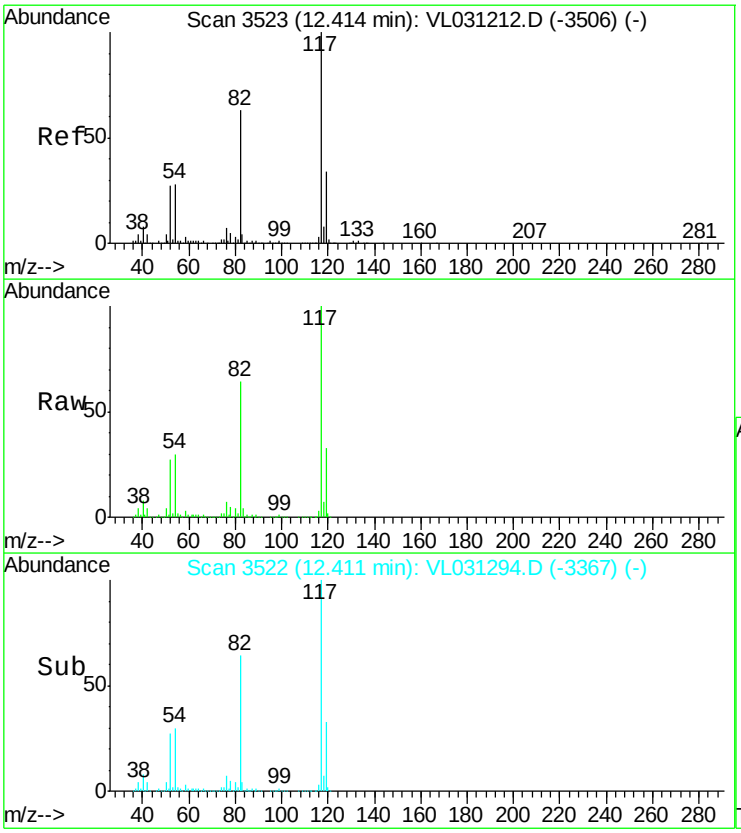
12/22/2017 4:55:13 PM

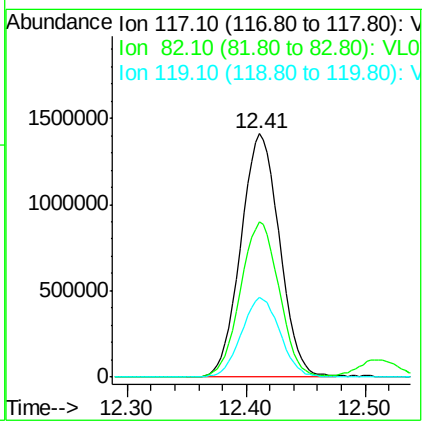


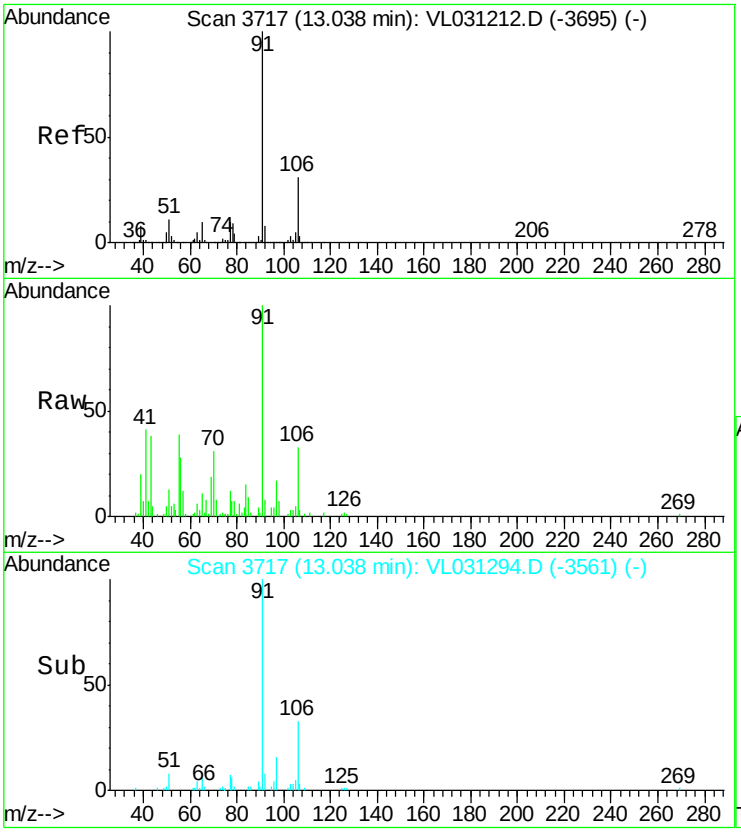


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion:117 Resp: 3175472

Ion	Ratio	Lower	Upper
117	100		
82	63.7	48.1	72.1
119	32.8	23.1	34.7





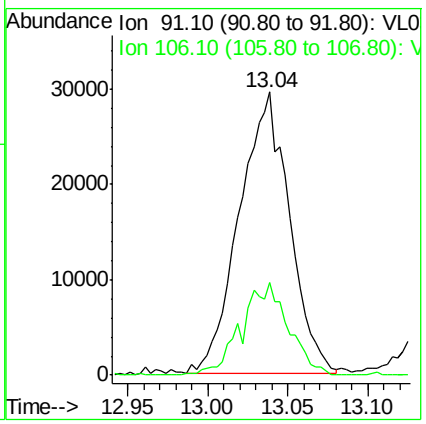
#58
Ethyl Benzene
Concen: 0.12 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

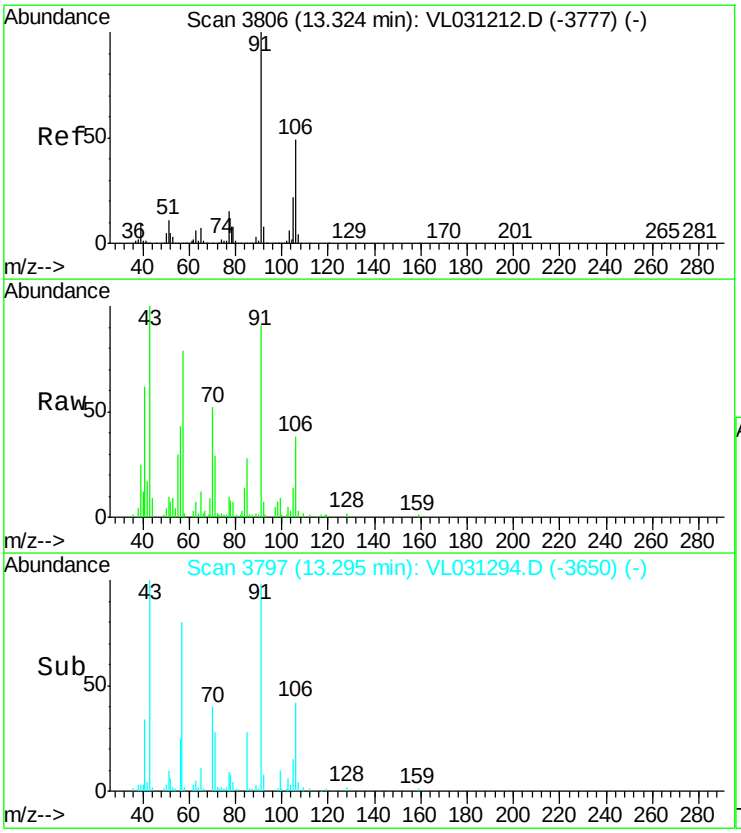
Tgt Ion: 91 Resp: 63151

Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.1	37.7

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
MMDadoda
12/22/2017 4:55:13 PM

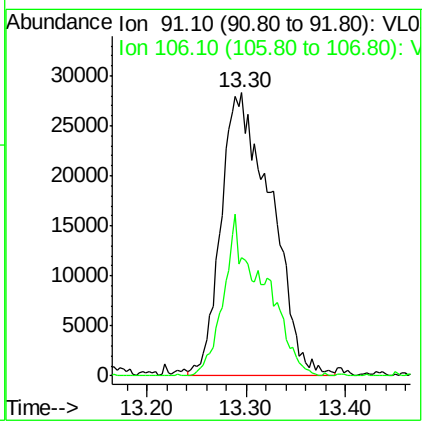


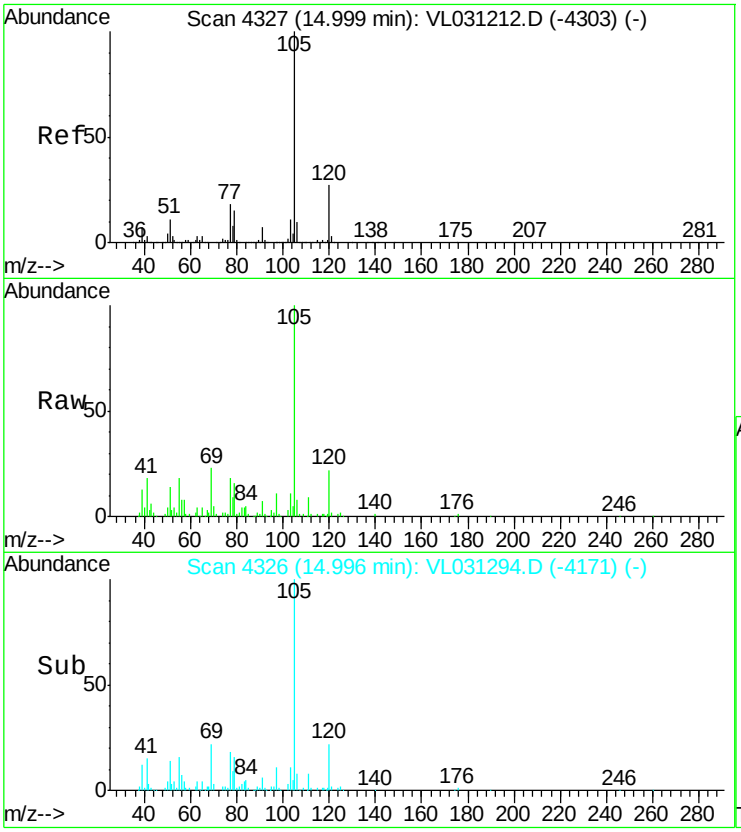


#59
m/p-Xylene
Concen: 0.24 ppbv m
RT: 13.30 min Scan# 3797
Delta R.T. -0.03 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 91 Resp: 98676

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.5	57.7#

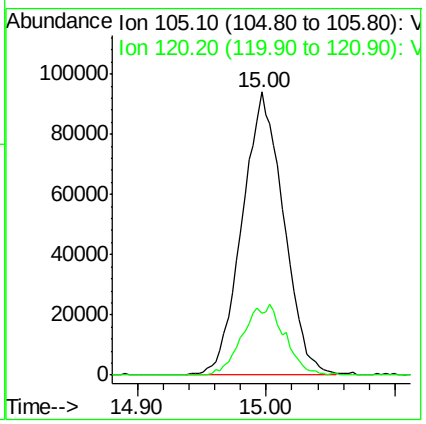




#62
Isopropylbenzene
Concen: 0.38 ppbv
RT: 15.00 min Scan# 4326
Delta R.T. -0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

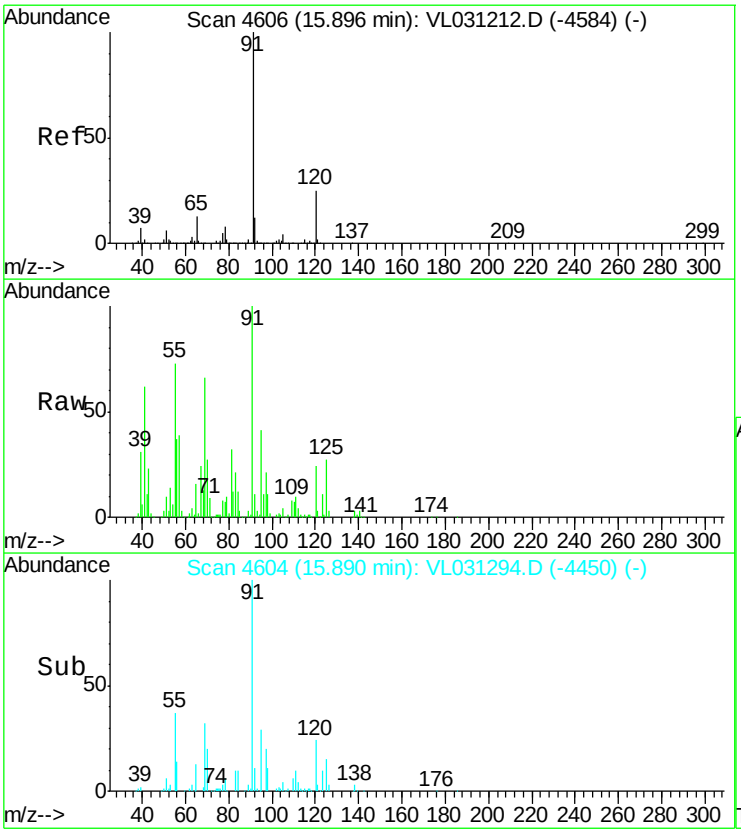
Tgt Ion:105 Resp: 210332

Ion	Ratio	Lower	Upper
105	100		
120	25.5	21.0	31.6



Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

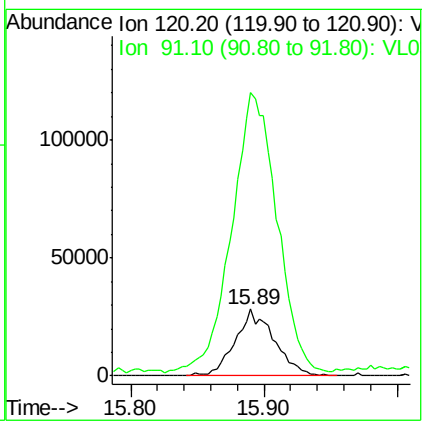
Manual Integrations APPROVED
MMDadoda
12/22/2017 4:55:13 PM

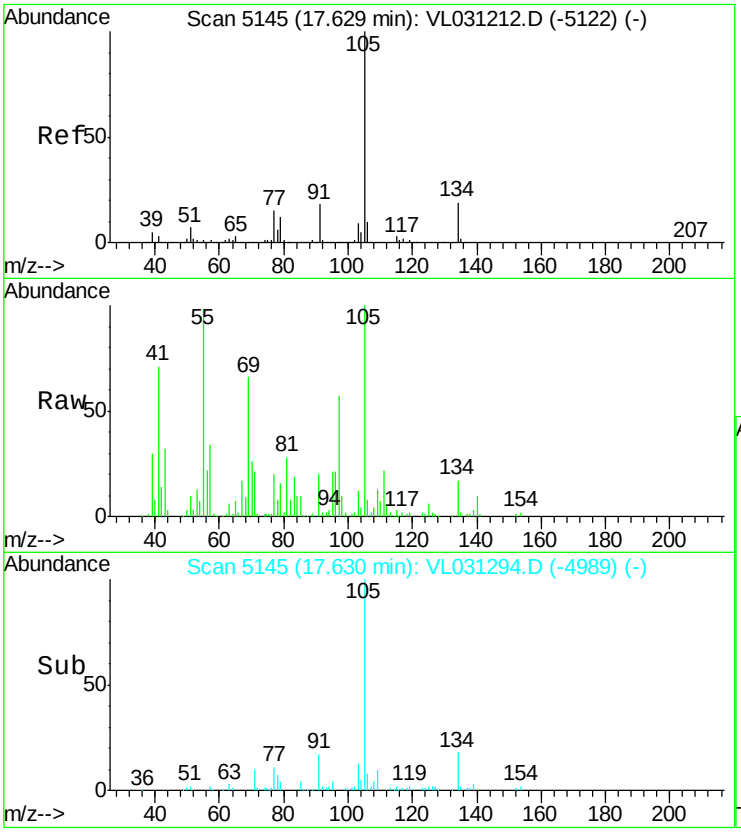


#64
n-propylbenzene
Concen: 0.39 ppbv m
RT: 15.89 min Scan# 4604
Delta R.T. -0.01 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion:120 Resp: 57401

Ion	Ratio	Lower	Upper
120	100		
91	489.2	352.1	528.1





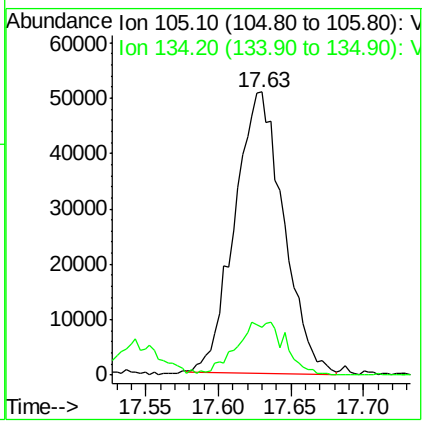
#67
sec-Butylbenzene
Concen: 0.18 ppbv
RT: 17.63 min Scan# 5145
Delta R.T. 0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

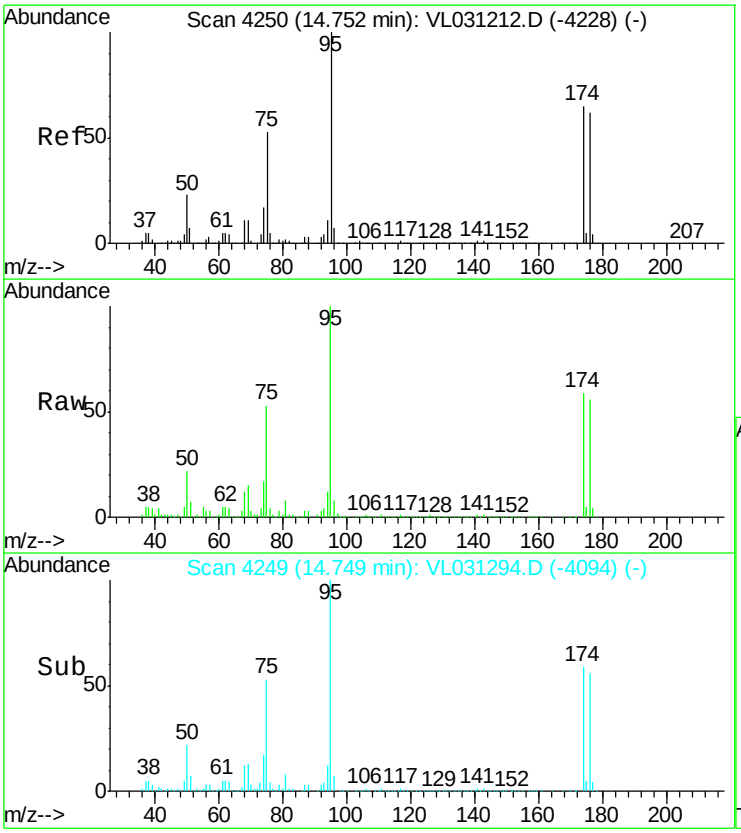
Tgt Ion:105 Resp: 118817

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.3	22.9

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-10DL

Manual Integrations APPROVED
MMDadoda
12/22/2017 4:55:13 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 12.15 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. -0.00 min
Lab File: VL031294.D
Acq: 21 Dec 2017 7:10

Tgt Ion: 95 Resp: 2744409

Ion	Ratio	Lower	Upper
95	100		
174	57.9	52.5	78.7
175	4.2	4.1	6.1