Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
Data File : VL032825.D
Acq On : 28 Nov 2018 10:49
Operator : SY/AP
Sample : J6046-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP2-SV-02

Manual Integrations APPROVED
MMDadoda
11/28/2018 4:21:40 PM

Quant Time: Nov 28 15:03:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1277248	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3246540	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2982860	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2198473	9.85	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	50156	0.27	ppbv		96
3) Chlorodifluoromethane	3.01	51	24719691	244.12	ppbv	#	73
11) Trichlorofluoromethane	4.01	101	2398260	13.86	ppbv		98
13) Ethanol	3.66	45	1817439	136.93	ppbv		99
15) Acetone	3.90	43	2522688	21.63	ppbv	#	69
17) tert-Butyl alcohol	4.38	59	60793	1.66	ppbv	#	86
19) Isopropyl Alcohol	4.07	45	2669263	34.35	ppbv	#	95
20) Methylene Chloride	4.42	84	93814	1.55	ppbv		95
29) Chloroform	5.86	83	78519	0.36	ppbv		100
32) 1,1,1-Trichloroethane	6.63	97	32148	0.14	ppbv		98
34) 2-Butanone	5.33	43	6219629	36.94	ppbv		98
35) Carbon Tetrachloride	7.14	117	12069m	0.05	ppbv		
36) Benzene	7.02	78	79241	0.31	ppbv	#	92
38) Trichloroethene	7.97	130	25936	0.25	ppbv		88
41) Tetrahydrofuran	6.16	42	743825	7.70	ppbv		99
52) Tetrachloroethene	11.38	164	12684m	0.14	ppbv		
53) Toluene	9.96	91	539312	2.00	ppbv		100
59) m/p-Xylene	13.14	91	79049m	0.25	ppbv		

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

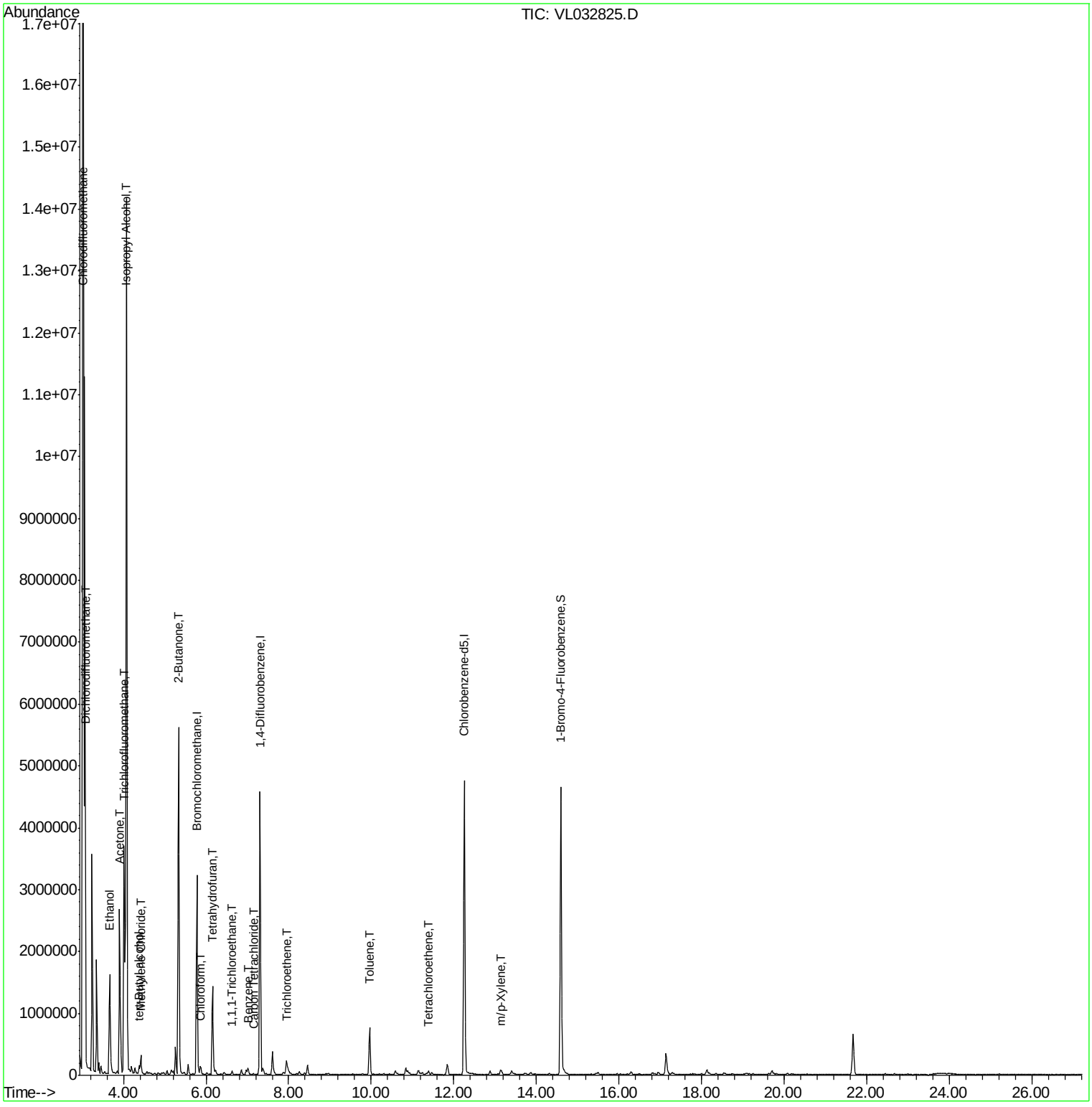
Quantitation Report (QT Reviewed)

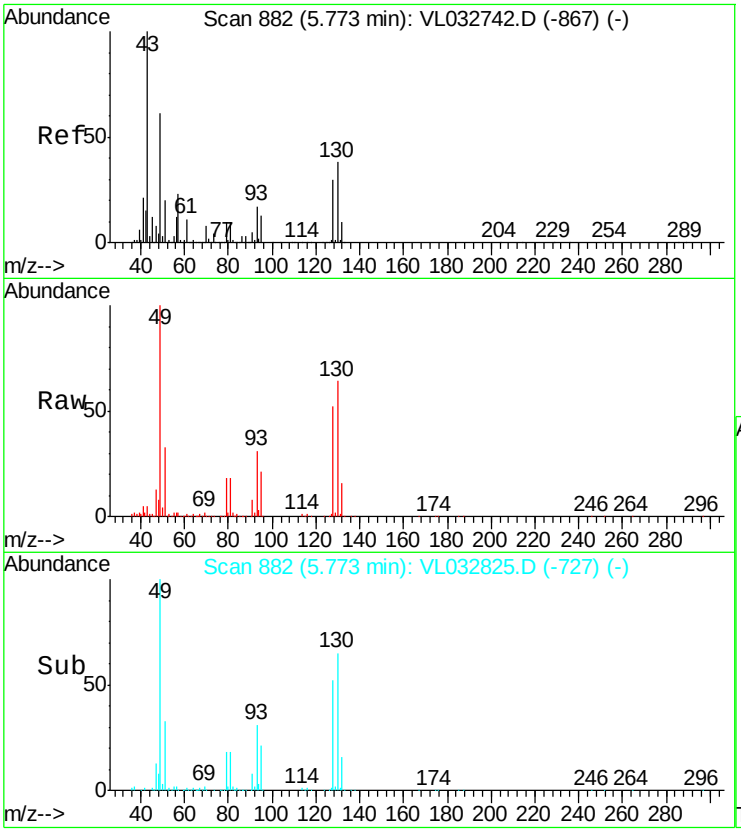
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
Data File : VL032825.D
Acq On : 28 Nov 2018 10:49
Operator : SY/AP
Sample : J6046-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 28 15:03:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
MMDadoda
11/28/2018 4:21:40 PM

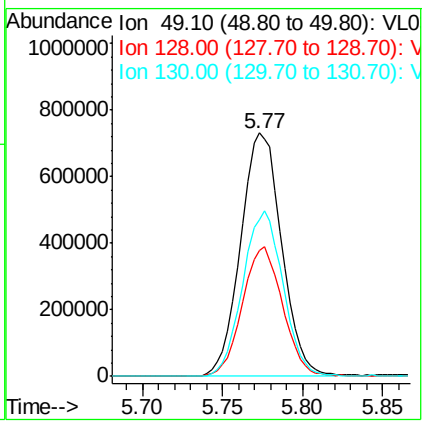




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 49 Resp: 1277248

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.9	74.6
130	67.0	31.4	94.2



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
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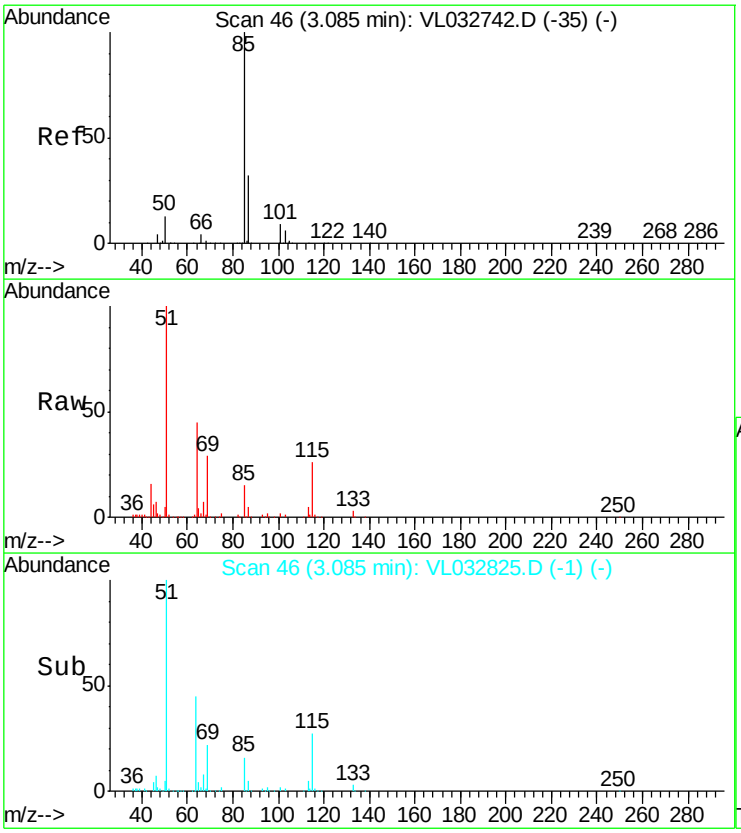
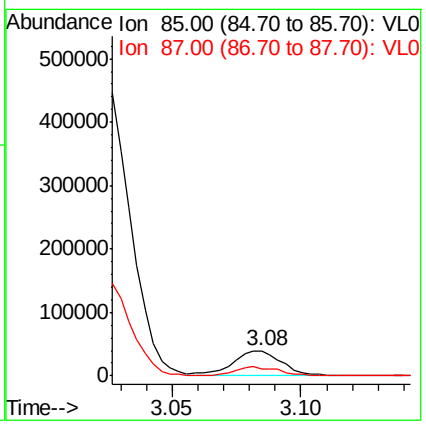
11/28/2018 4:21:40 PM

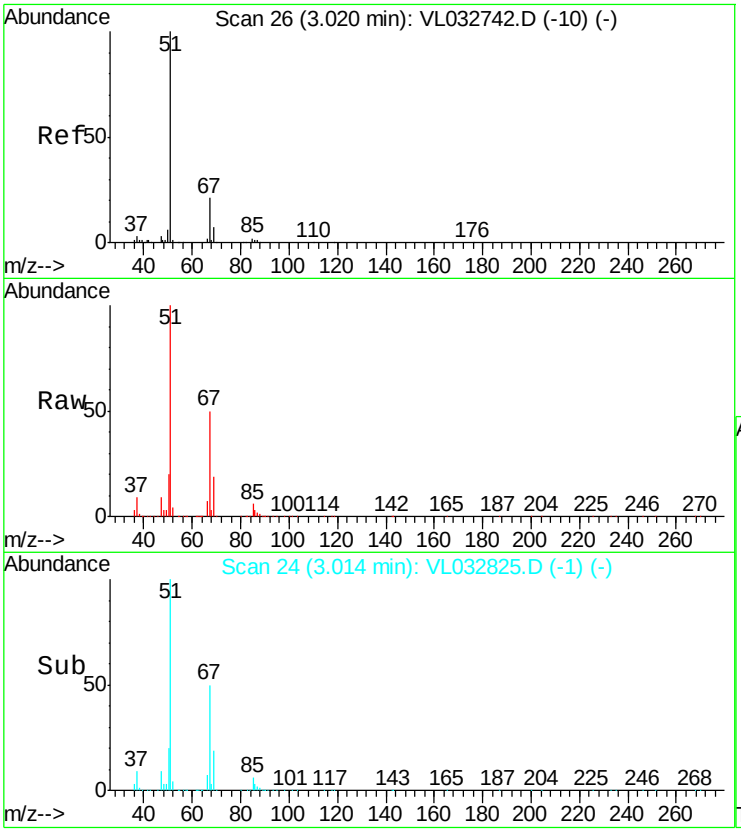


#2
Dichlorodifluoromethane
Concen: 0.27 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 85 Resp: 50156

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.0	39.0

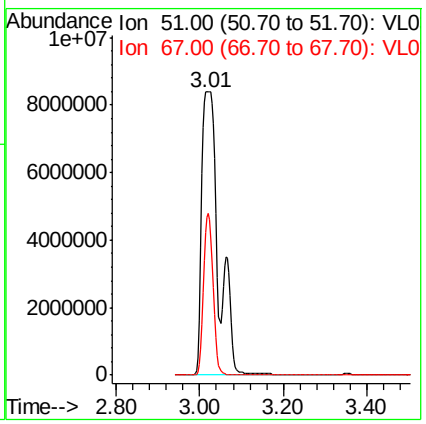




#3
Chlorodifluoromethane
Concen: 244.12 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 51 Resp:24719691

Ion	Ratio	Lower	Upper
51	100		
67	32.4	16.1	24.1#



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
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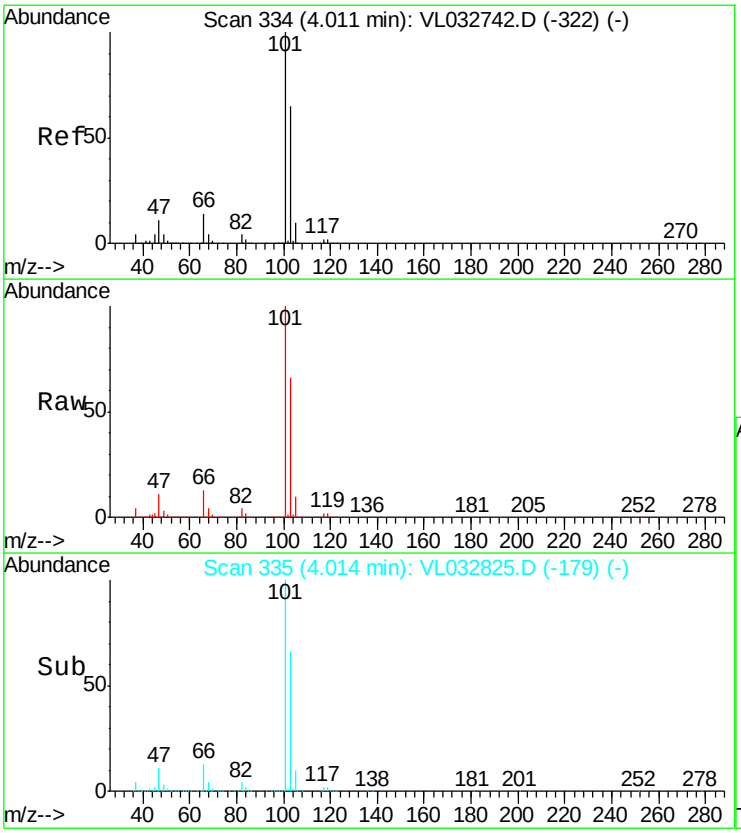
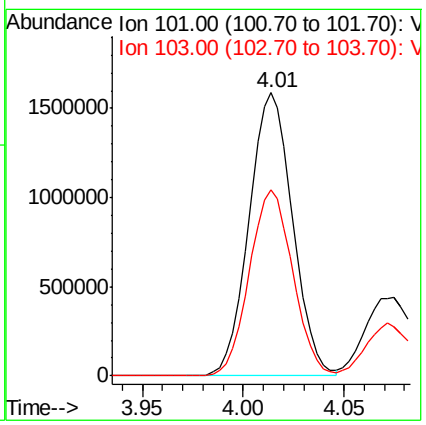
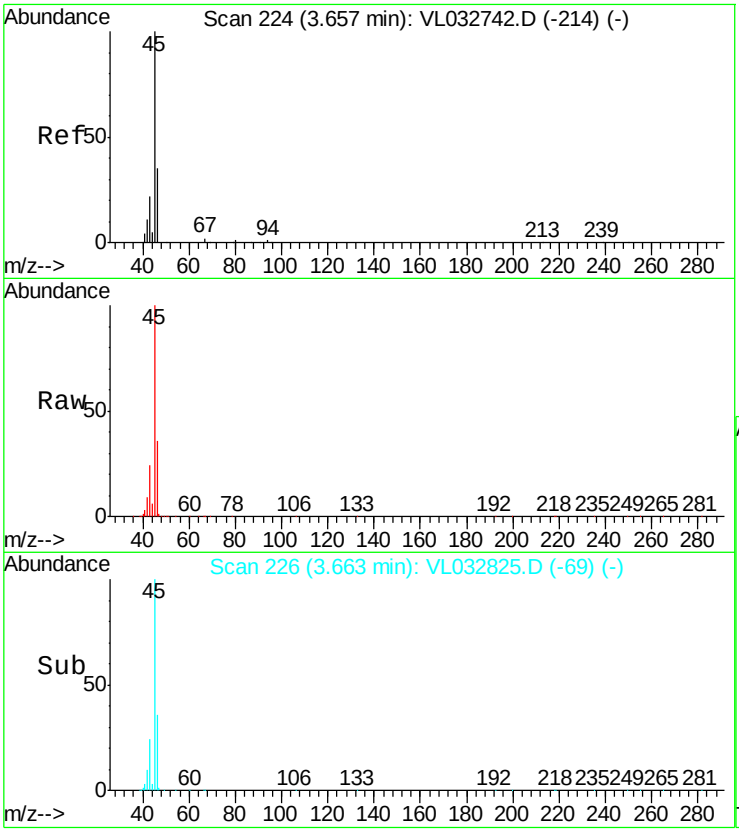


#11
Trichlorofluoromethane
Concen: 13.86 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:101 Resp: 2398260

Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.6	77.4

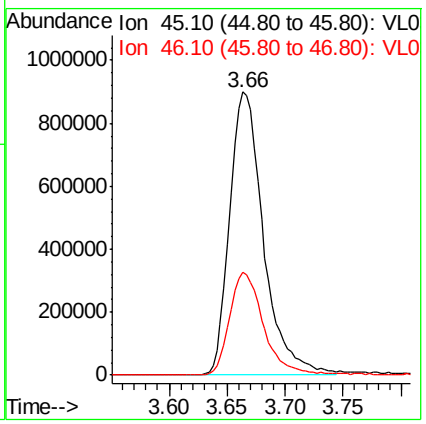




#13
Ethanol
Concen: 136.93 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 45 Resp: 1817439

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.5	57.9



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
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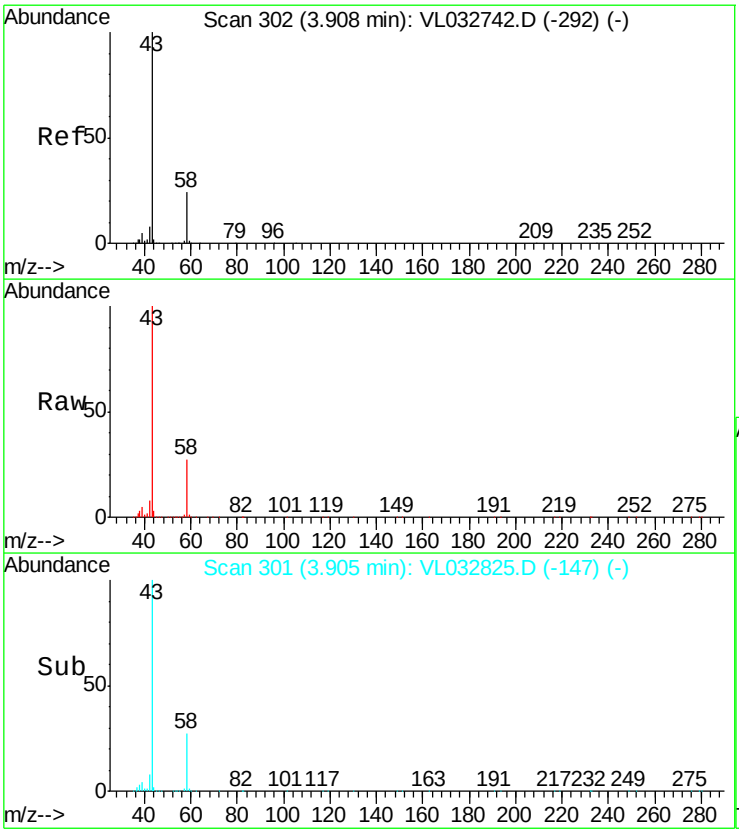
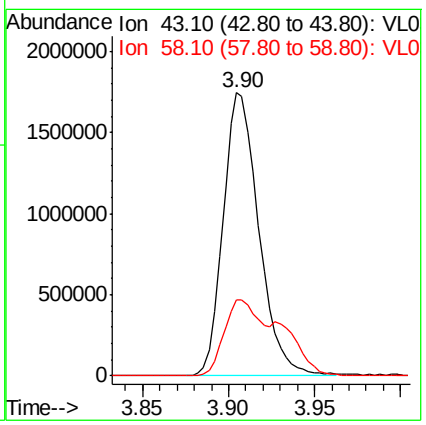
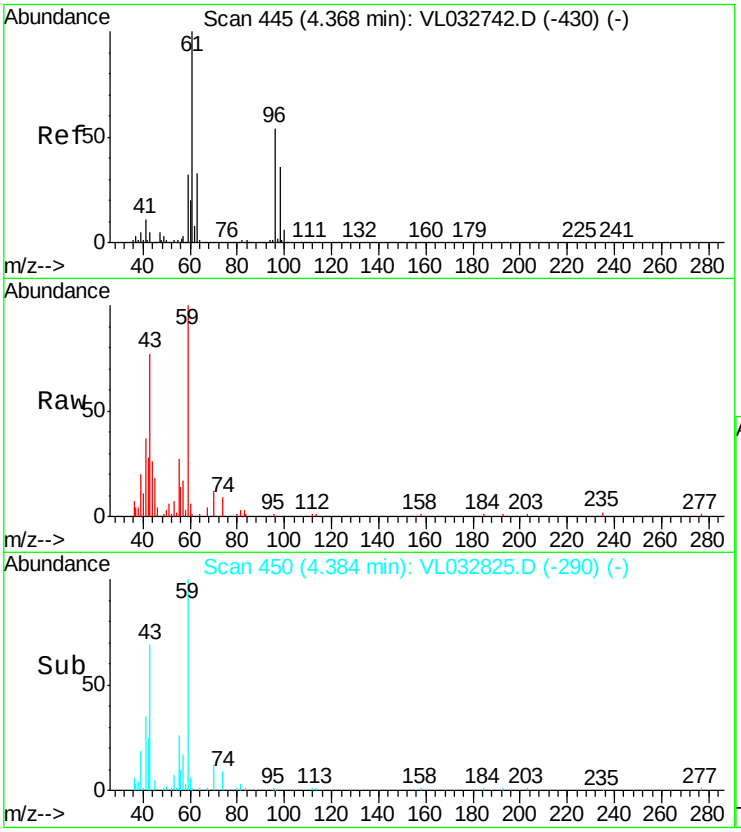


#15
Acetone
Concen: 21.63 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 43 Resp: 2522688

Ion	Ratio	Lower	Upper
43	100		
58	42.5	21.1	31.7#

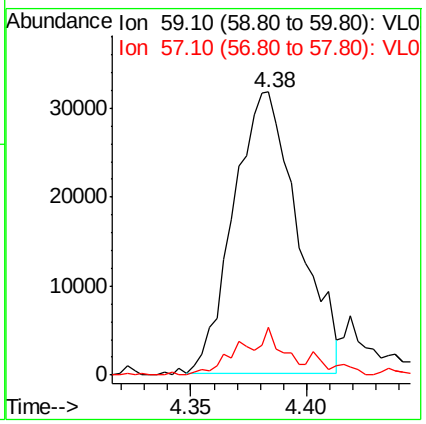




#17
tert-Butyl alcohol
Concen: 1.66 ppbv
RT: 4.38 min Scan# 450
Delta R.T. 0.02 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 59 Resp: 60793

Ion	Ratio	Lower	Upper
59	100		
57	15.0	7.8	11.8#



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
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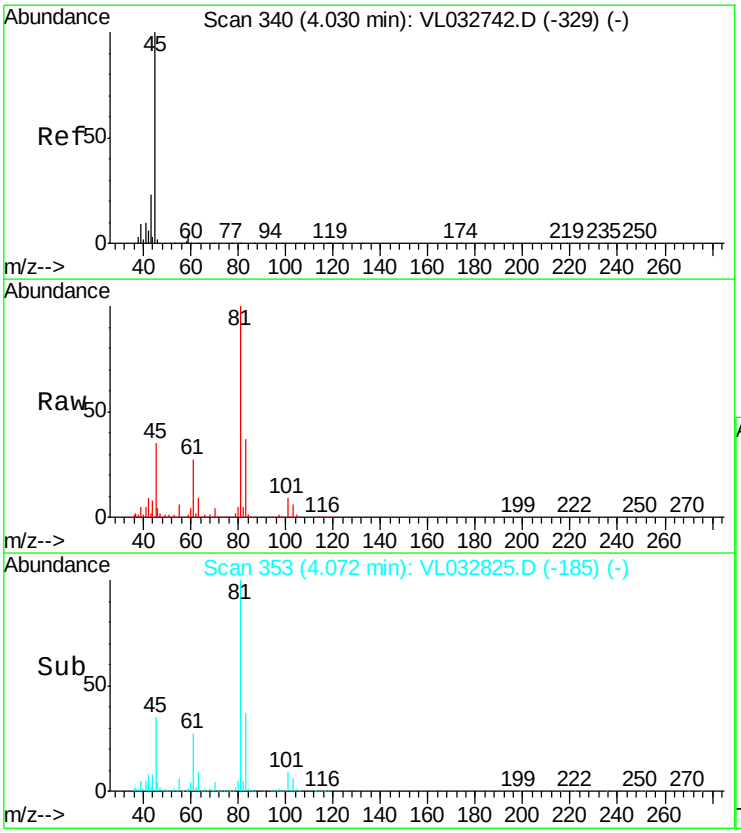
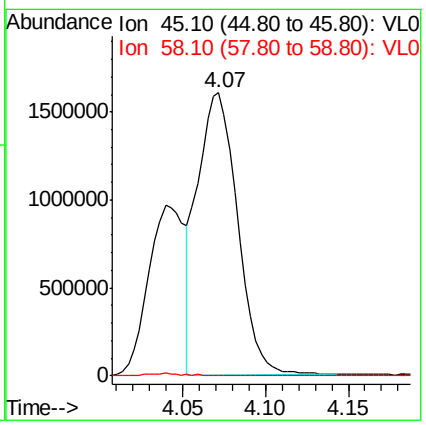
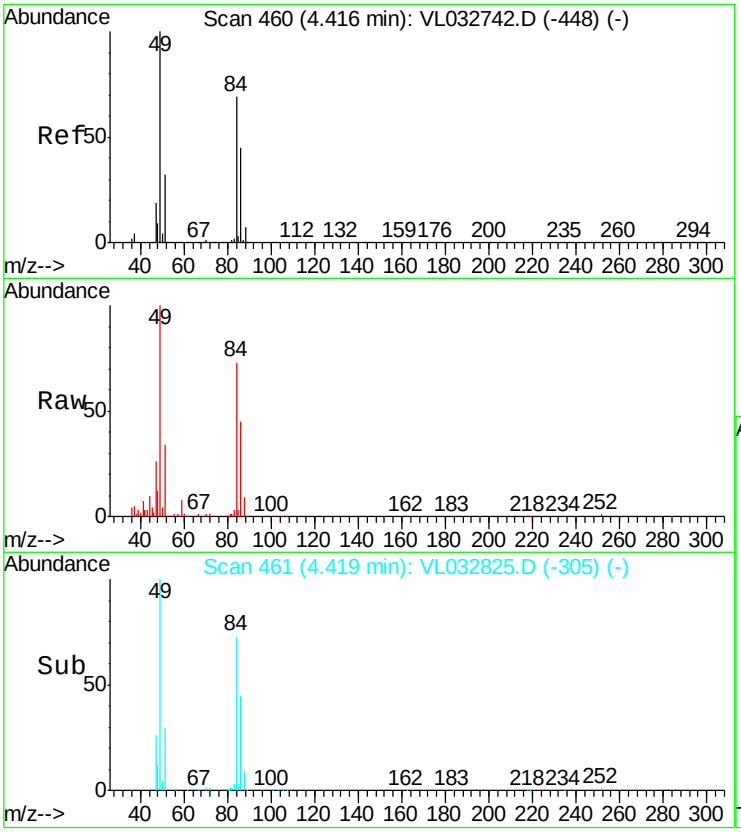


#19
Isopropyl Alcohol
Concen: 34.35 ppbv
RT: 4.07 min Scan# 353
Delta R.T. 0.04 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 45 Resp: 2669263

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.0#

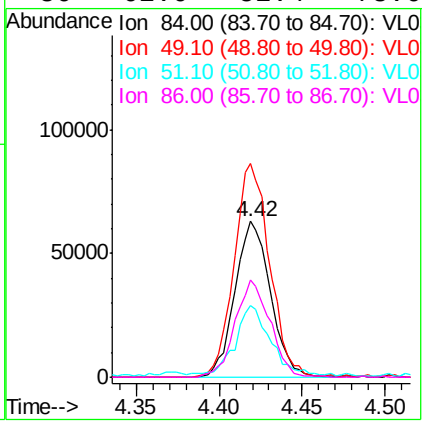




#20
Methylene Chloride
Concen: 1.55 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 84 Resp: 93814

Ion	Ratio	Lower	Upper
84	100		
49	136.7	115.8	173.6
51	45.3	36.9	55.3
86	62.0	52.4	78.6



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
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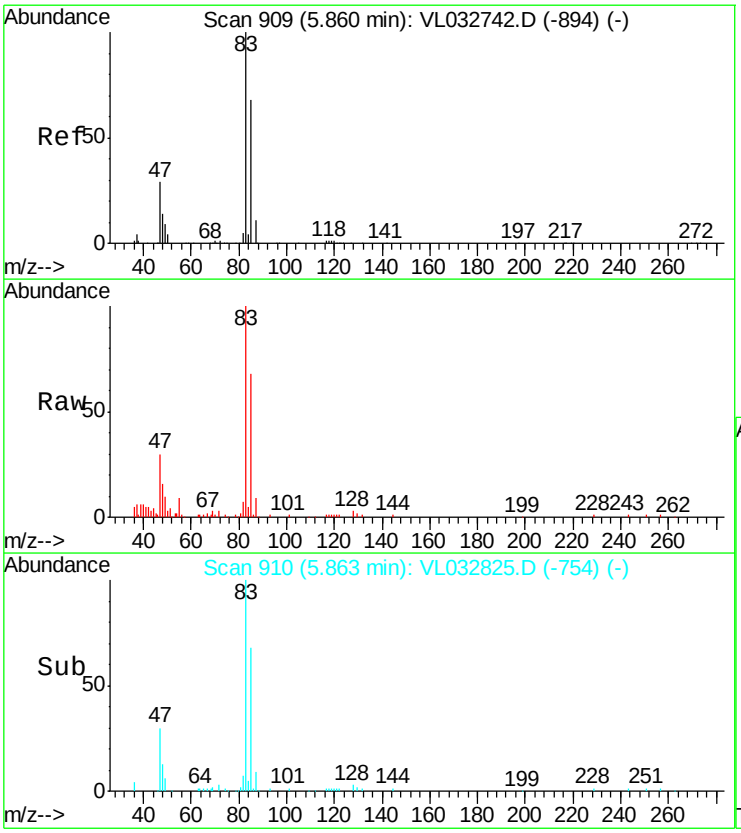
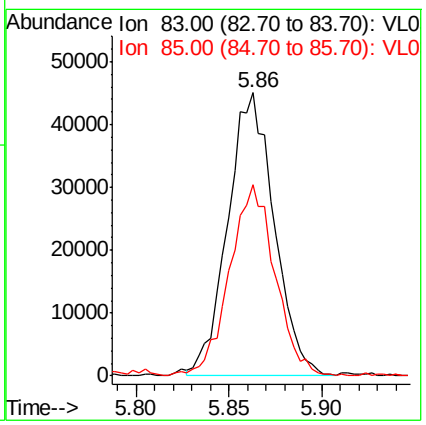
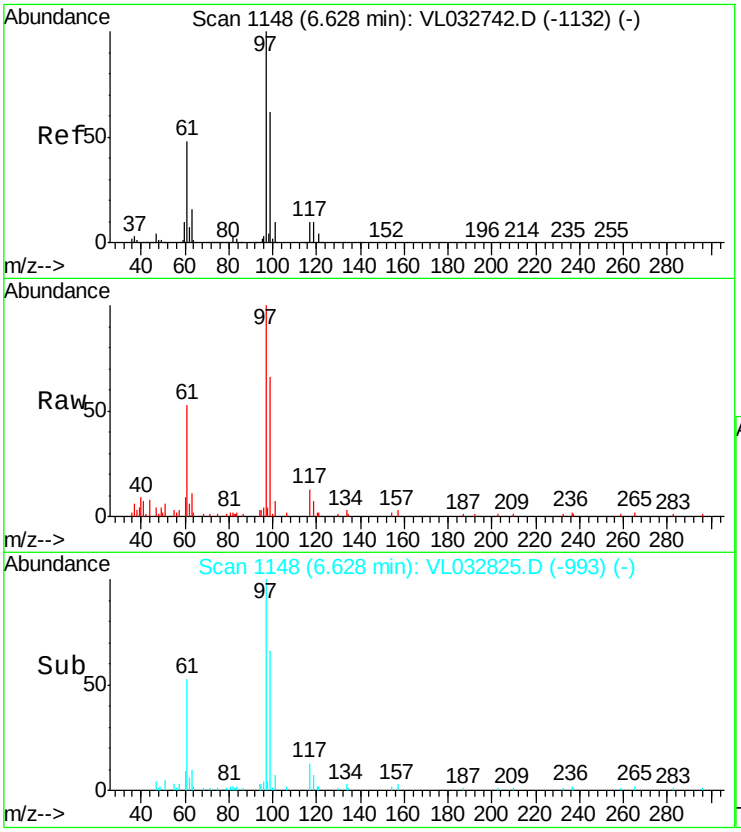


#29
Chloroform
Concen: 0.36 ppbv
RT: 5.86 min Scan# 910
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 83 Resp: 78519

Ion	Ratio	Lower	Upper
83	100		
85	67.5	54.2	81.4

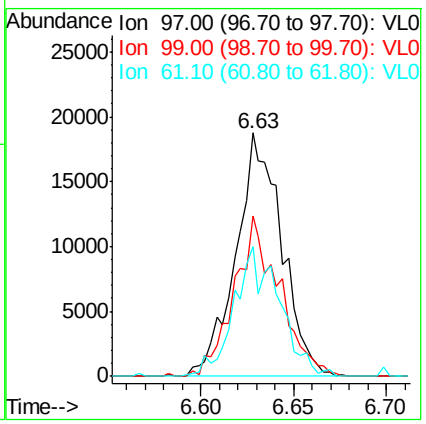




#32
1,1,1-Trichloroethane
Concen: 0.14 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 97 Resp: 32148

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	52.6	39.7	59.5



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
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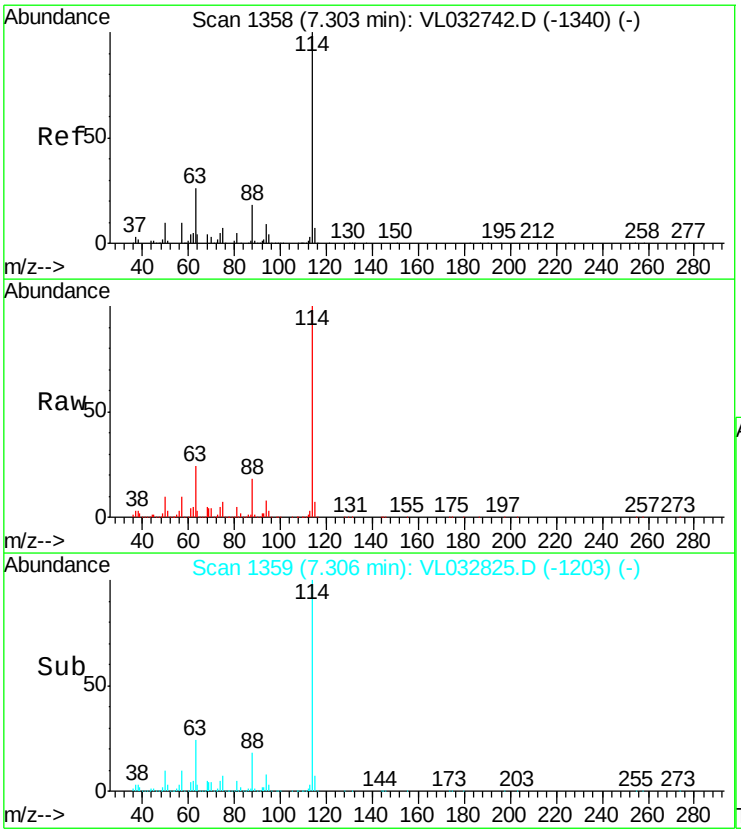
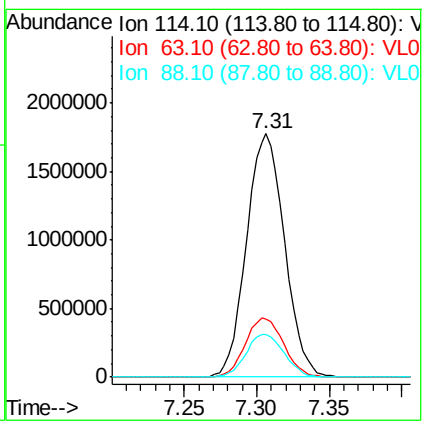
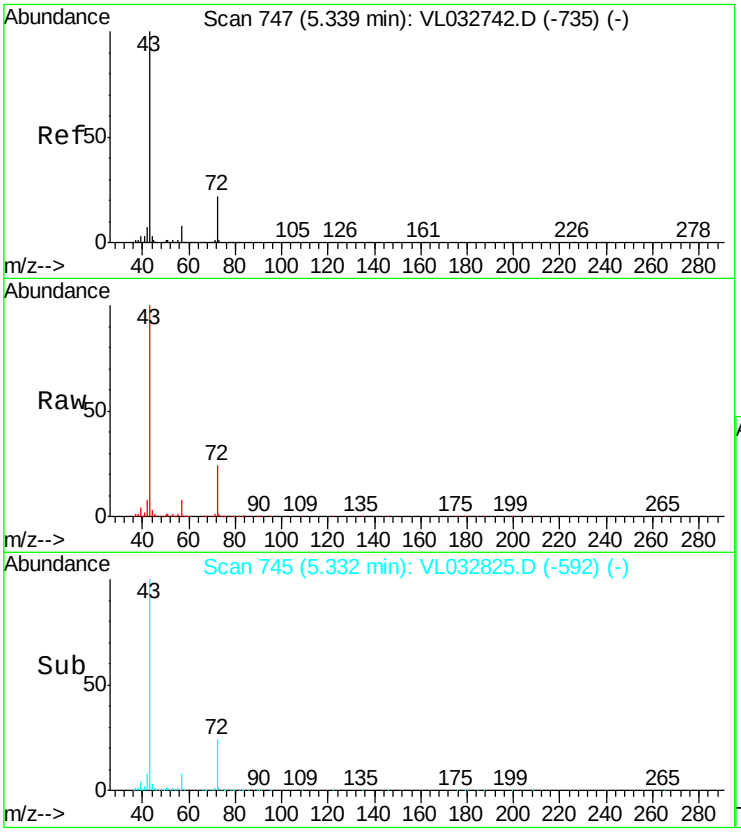


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:114 Resp: 3246540

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.9	31.3
88	17.7	14.4	21.6





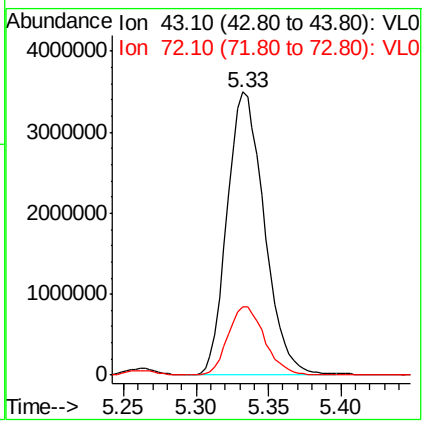
#34
2-Butanone
Concen: 36.94 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.01 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

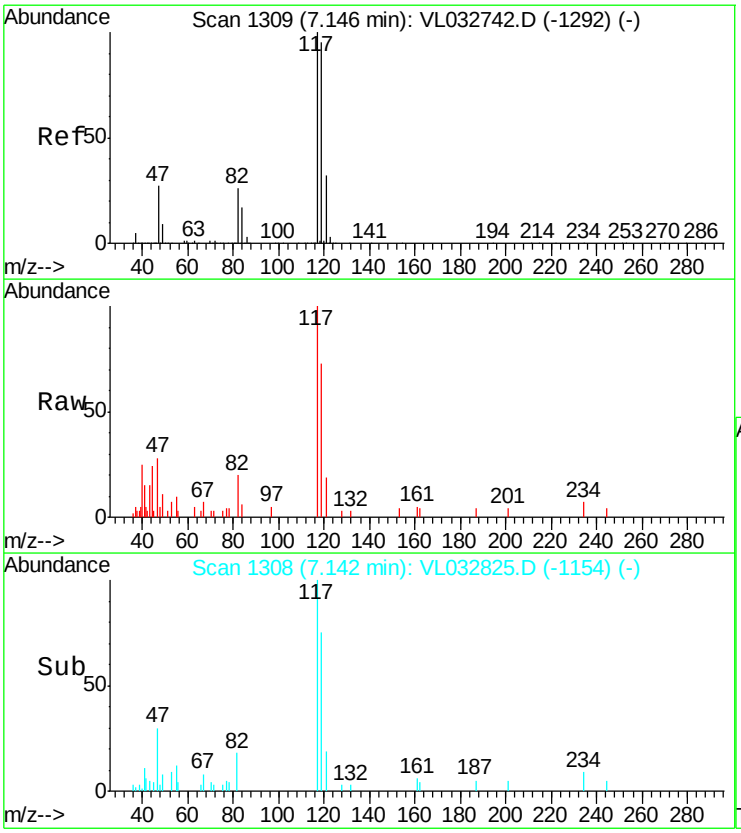
Tgt Ion: 43 Resp: 6219629

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.4	27.6

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
MMDadoda
11/28/2018 4:21:40 PM

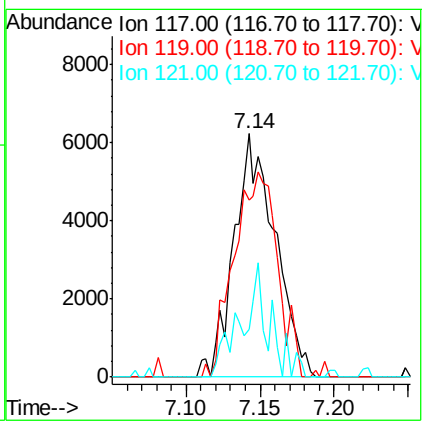


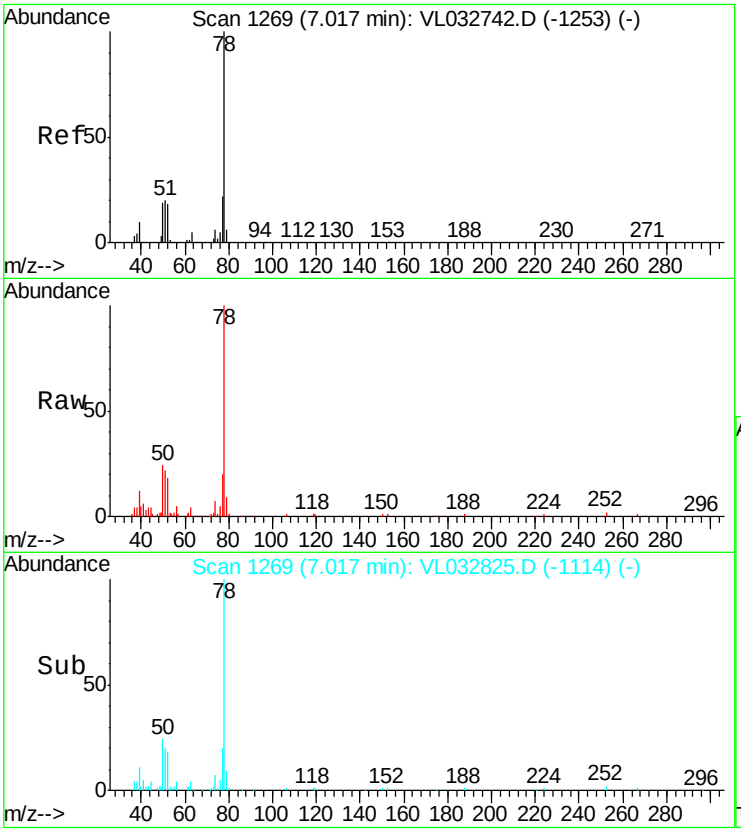


#35
Carbon Tetrachloride
Concen: 0.05 ppbv m
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:117 Resp: 12069

Ion	Ratio	Lower	Upper
117	100		
119	72.7	76.1	114.1#
121	19.5	25.4	38.0#

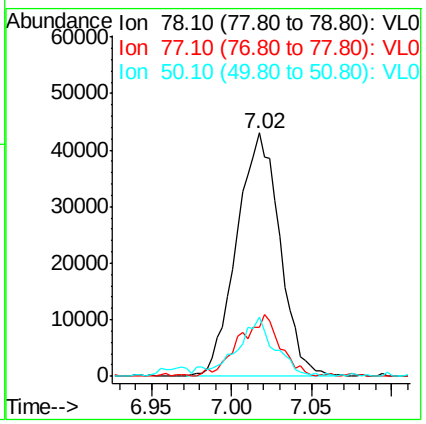




#36
Benzene
Concen: 0.31 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 78 Resp: 79241

Ion	Ratio	Lower	Upper
78	100		
77	19.9	17.8	26.8
50	24.4	15.4	23.0#



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
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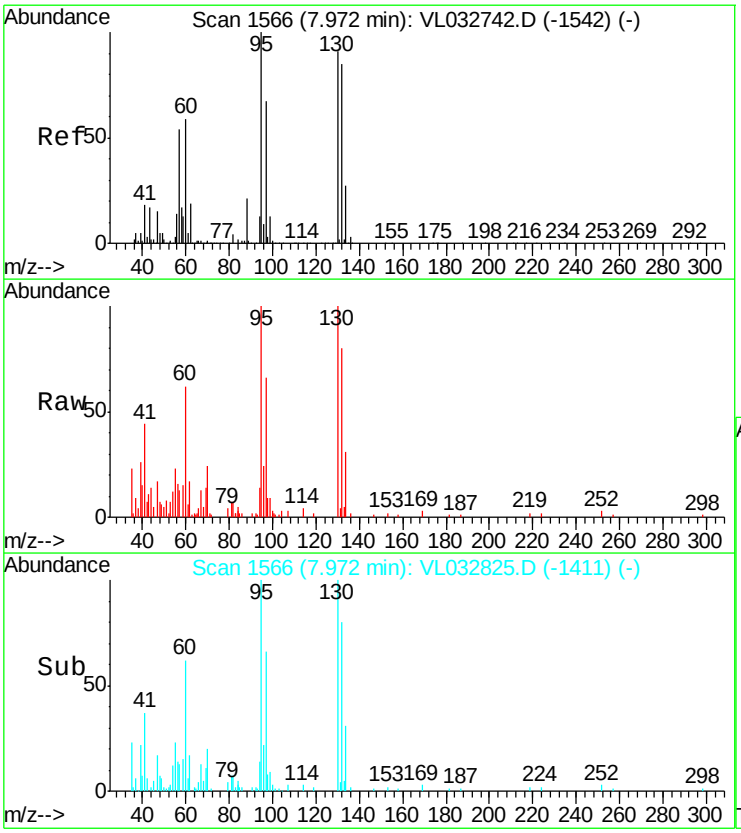
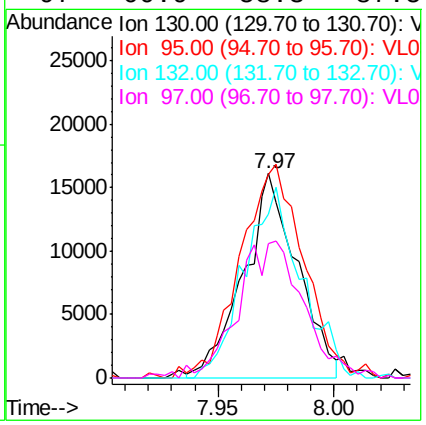
11/28/2018 4:21:40 PM

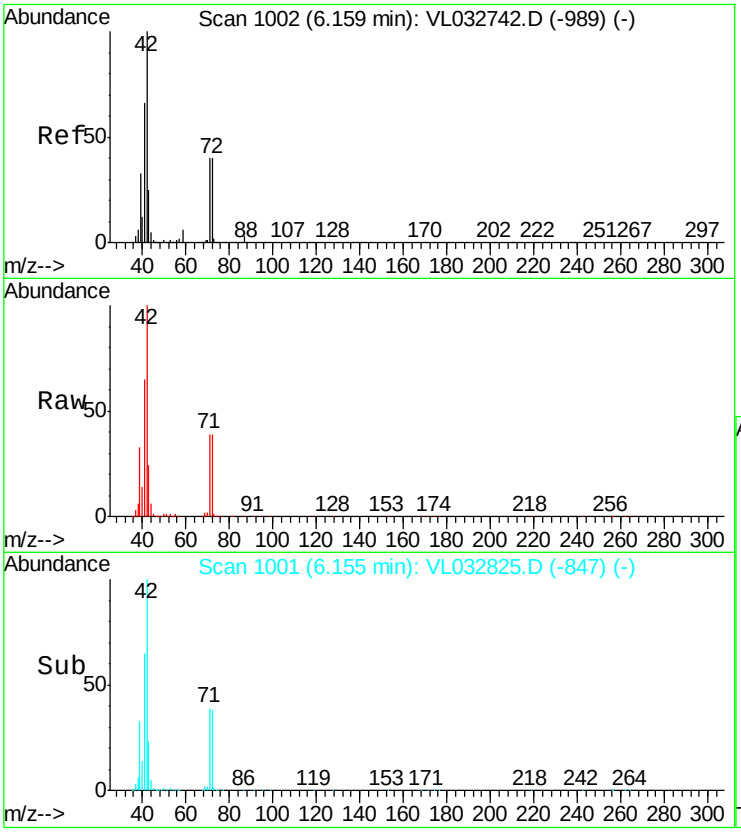


#38
Trichloroethene
Concen: 0.25 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:130 Resp: 25936

Ion	Ratio	Lower	Upper
130	100		
95	99.3	87.7	131.5
132	81.8	74.6	111.8
97	60.9	58.3	87.5

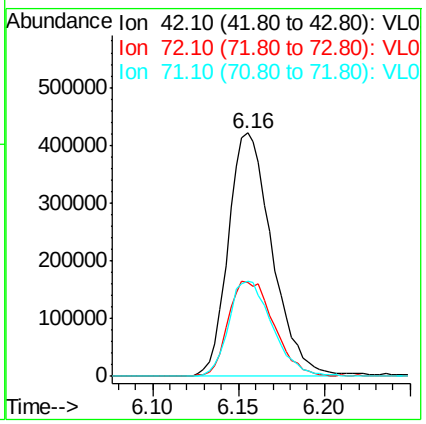




#41
Tetrahydrofuran
Concen: 7.70 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

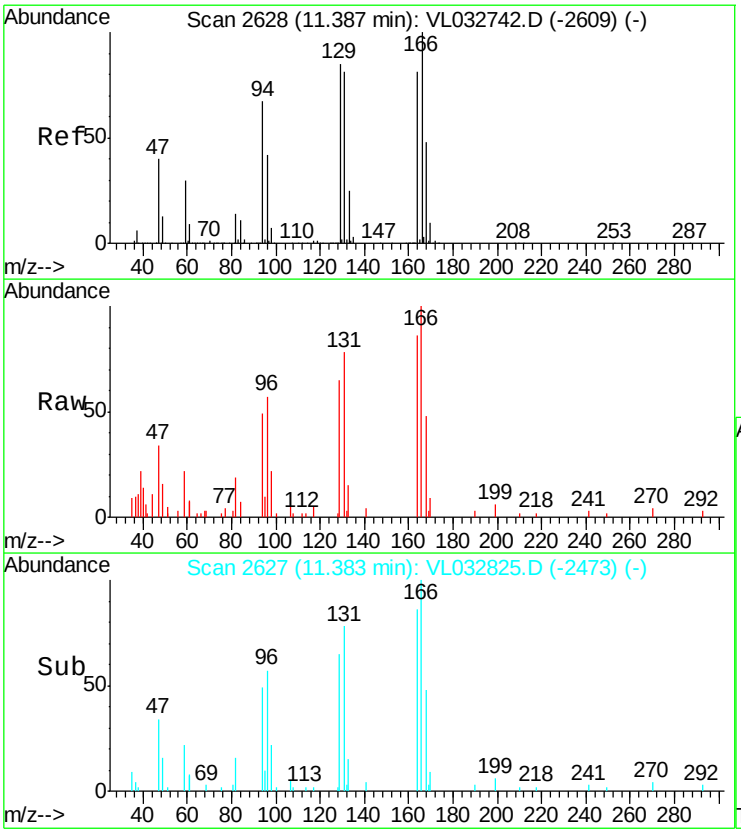
Tgt Ion: 42 Resp: 743825

Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.4	48.6
71	39.5	31.6	47.4



Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

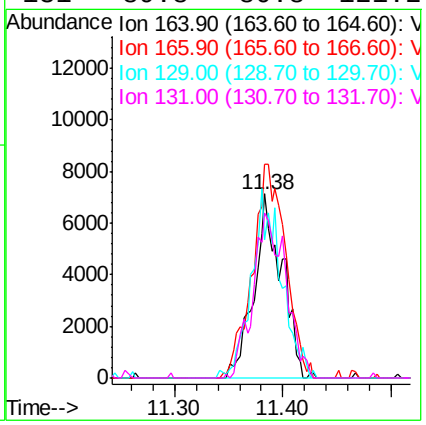
Manual Integrations APPROVED
MMDadoda
11/28/2018 4:21:40 PM

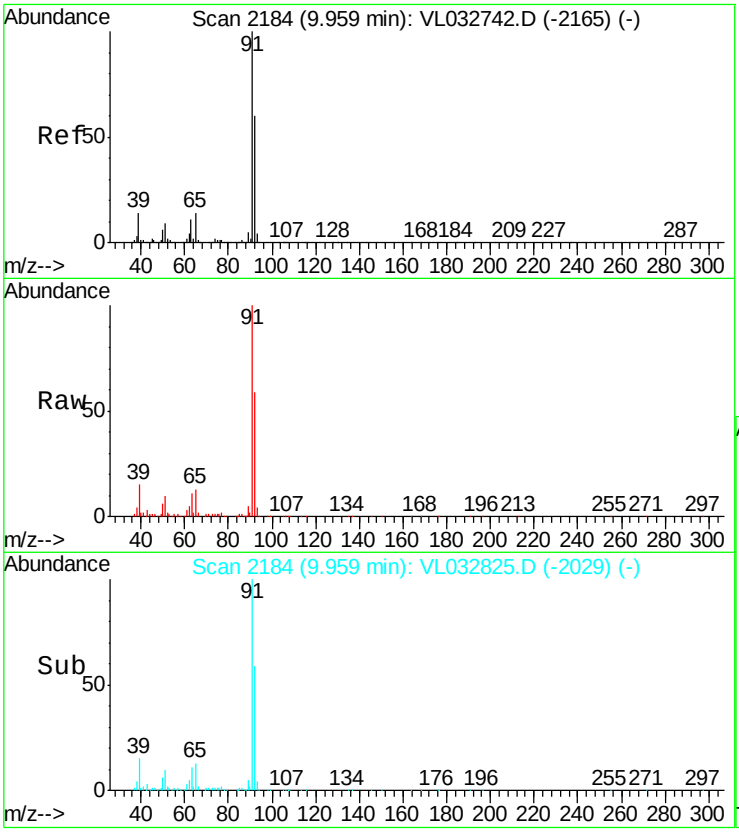


#52
Tetrachloroethene
Concen: 0.14 ppbv m
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:164 Resp: 12684

Ion	Ratio	Lower	Upper
164	100		
166	115.8	99.3	148.9
129	75.2	83.9	125.9#
131	89.8	80.8	121.2





#53
Toluene
Concen: 2.00 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 91 Resp: 539312

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.9	71.9

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

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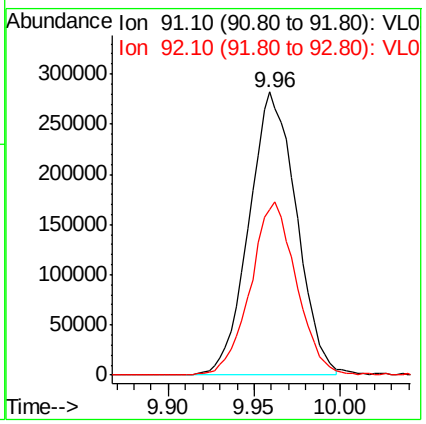
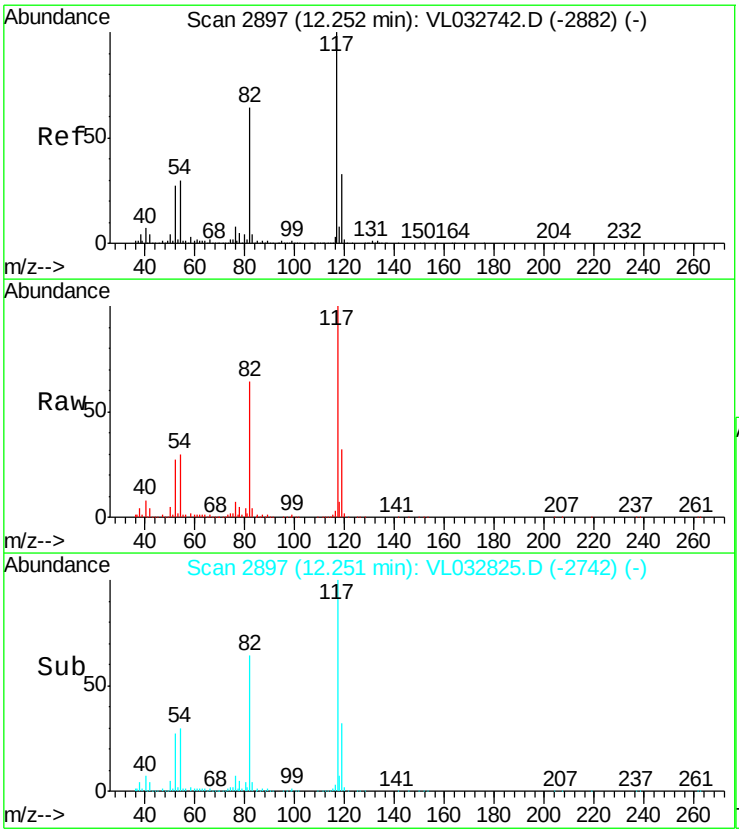
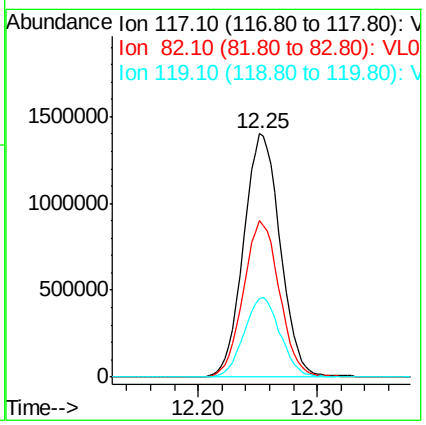


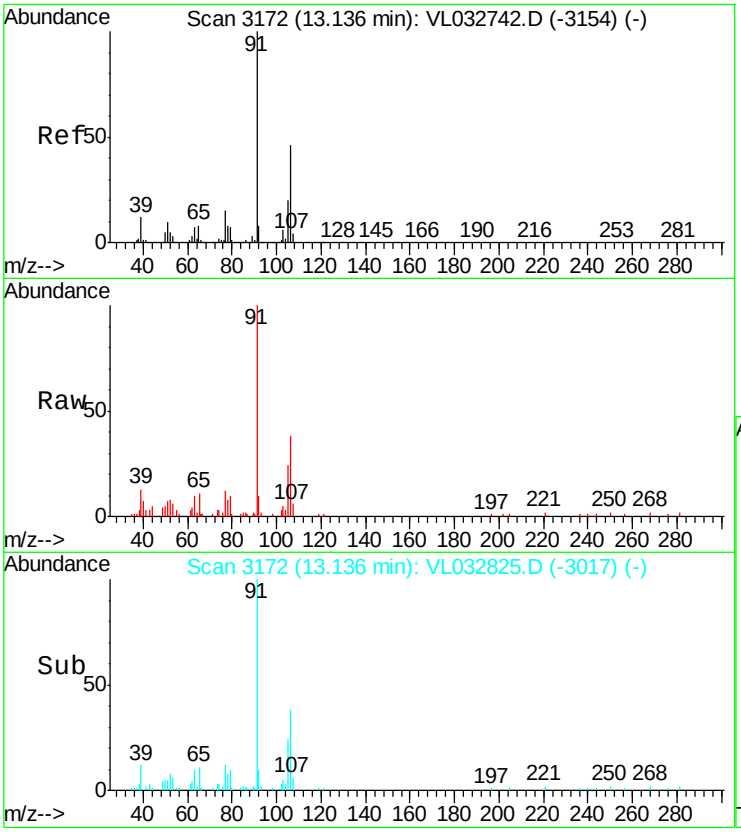


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion:117 Resp: 2982860

Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.0	76.6
119	32.5	28.0	42.0





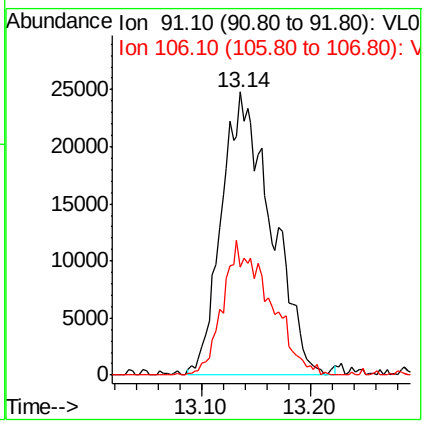
#59
m/p-Xylene
Concen: 0.25 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

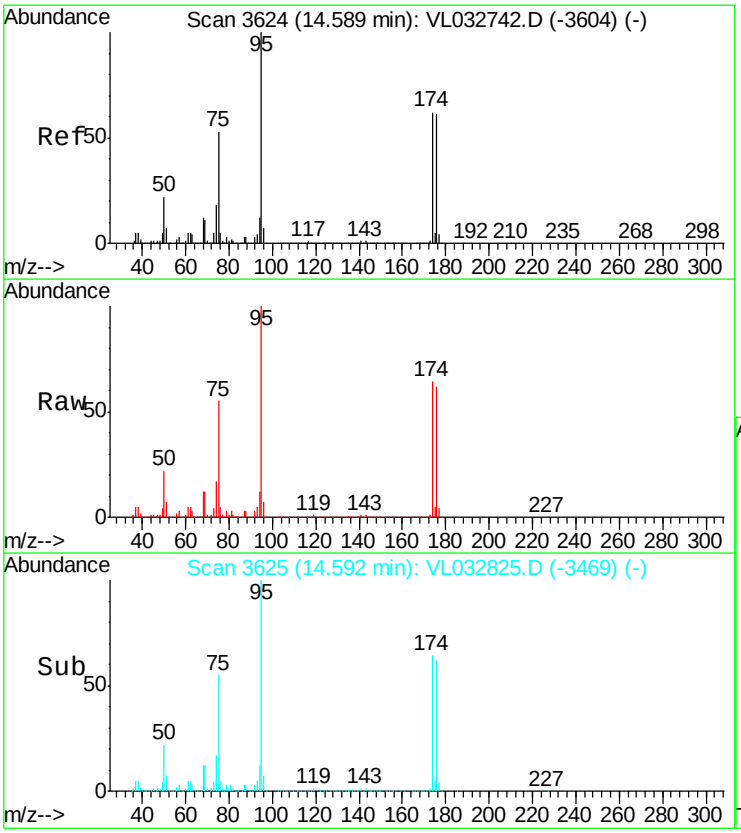
Tgt Ion: 91 Resp: 79049

Ion	Ratio	Lower	Upper
91	100		
106	44.5	36.1	54.1

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-02

Manual Integrations APPROVED
MMDadoda
11/28/2018 4:21:40 PM





#68
1-Bromo-4-Fluorobenzene
Concen: 9.85 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. 0.00 min
Lab File: VL032825.D
Acq: 28 Nov 2018 10:49

Tgt Ion: 95 Resp: 2198473

Ion	Ratio	Lower	Upper
95	100		
174	66.1	50.7	76.1
175	5.1	3.8	5.6