Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032534.D
Acq On : 25 Sep 2018 7:37
Operator : SY/AP
Sample : J5034-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVE-INF2-092018

Manual Integrations APPROVED
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9/26/2018 4:56:29 PM

Quant Time: Sep 25 09:31:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 2
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1424528	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3054027	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3061030	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2275683	9.86	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	35901	0.272	ppbv	97
3) Chlorodifluoromethane	3.03	51	46828m	0.395	ppbv	
4) Chloromethane	3.18	50	51334	0.743	ppbv	96
7) Chloroethane	3.62	64	56459	2.270	ppbv	97
9) Propene	3.07	41	32755	0.637	ppbv	85
11) Trichlorofluoromethane	4.02	101	66532	0.425	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	47519	0.371	ppbv	92
15) Acetone	3.92	43	1369333	10.951	ppbv	99
17) tert-Butyl alcohol	4.39	59	100542m	6.399	ppbv	
18) 1,1-Dichloroethene	4.38	96	10655	0.178	ppbv	84
20) Methylene Chloride	4.43	84	76181	1.258	ppbv	96
22) trans-1,2-Dichloroethene	4.99	96	14297m	0.253	ppbv	
24) 1,1-Dichloroethane	5.11	63	1899354	10.323	ppbv	99
26) Hexane	5.80	57	37087m	0.271	ppbv	
29) Chloroform	5.88	83	84178	0.400	ppbv	99
31) cis-1,2-Dichloroethene	5.67	61	1241819	9.514	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	3965550	17.696	ppbv	98
34) 2-Butanone	5.36	43	127092	0.699	ppbv	99
35) Carbon Tetrachloride	7.16	117	17823	0.084	ppbv #	95
36) Benzene	7.04	78	473876	1.920	ppbv	97
38) Trichloroethene	7.99	130	5225615	55.314	ppbv	99
52) Tetrachloroethene	11.41	164	95330m	1.109	ppbv	
53) Toluene	9.98	91	156564	0.521	ppbv	96
62) Isopropylbenzene	14.87	105	162311m	0.357	ppbv	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032534.D
Acq On : 25 Sep 2018 7:37
Operator : SY/AP
Sample : J5034-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 25 09:31:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

Manual Integrations APPROVED
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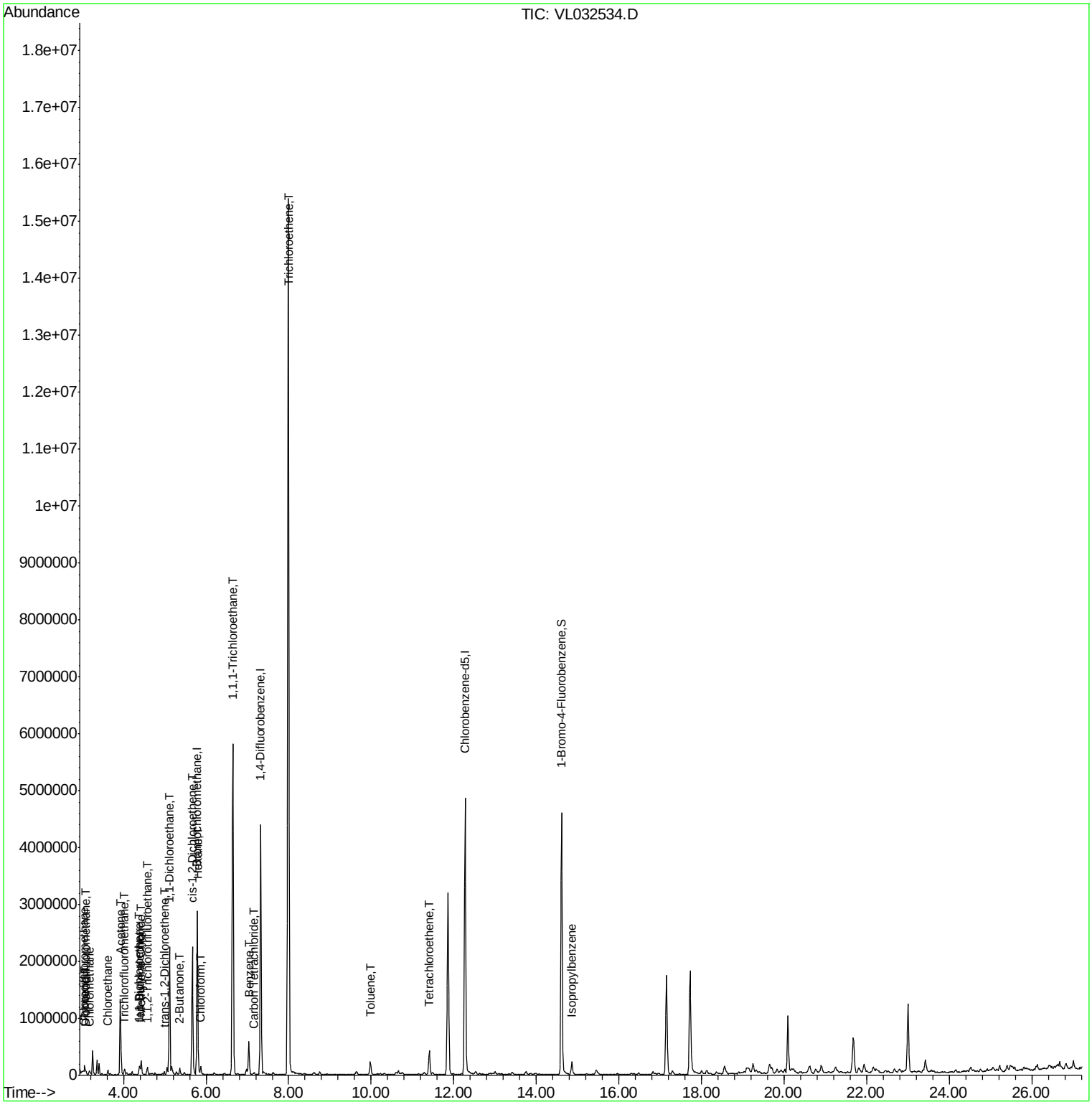
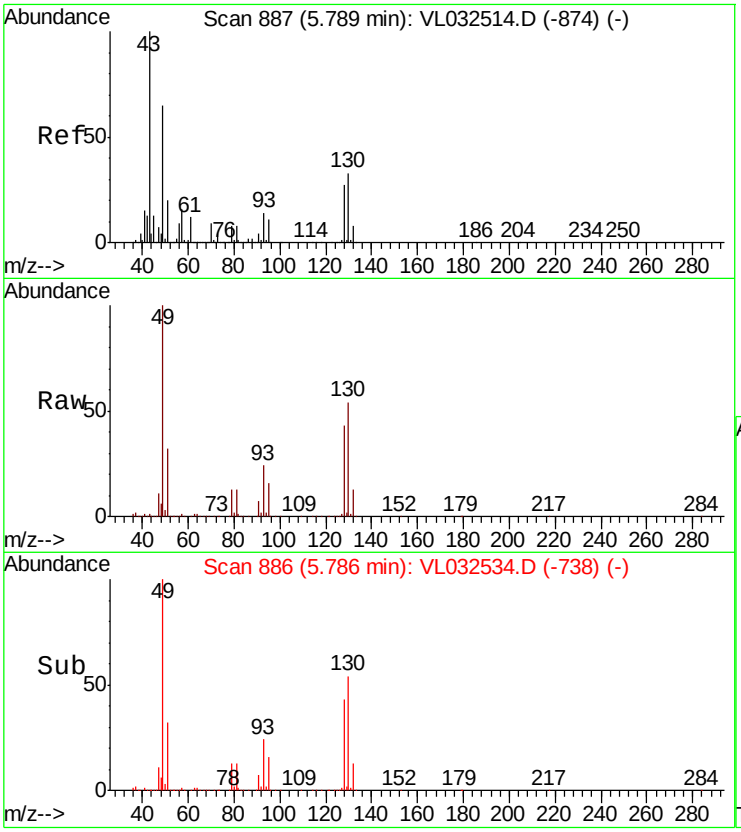
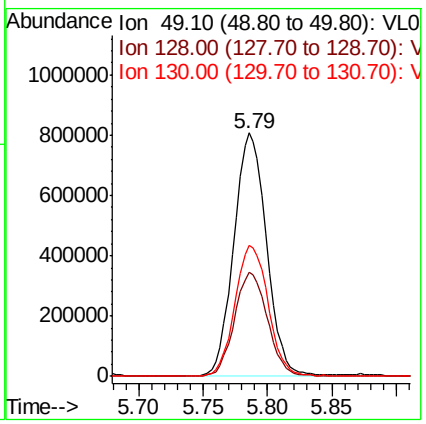




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 49 Resp: 1424528

Ion	Ratio	Lower	Upper
49	100		
128	43.5	20.7	62.1
130	55.2	26.6	79.7



Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

Manual Integrations APPROVED
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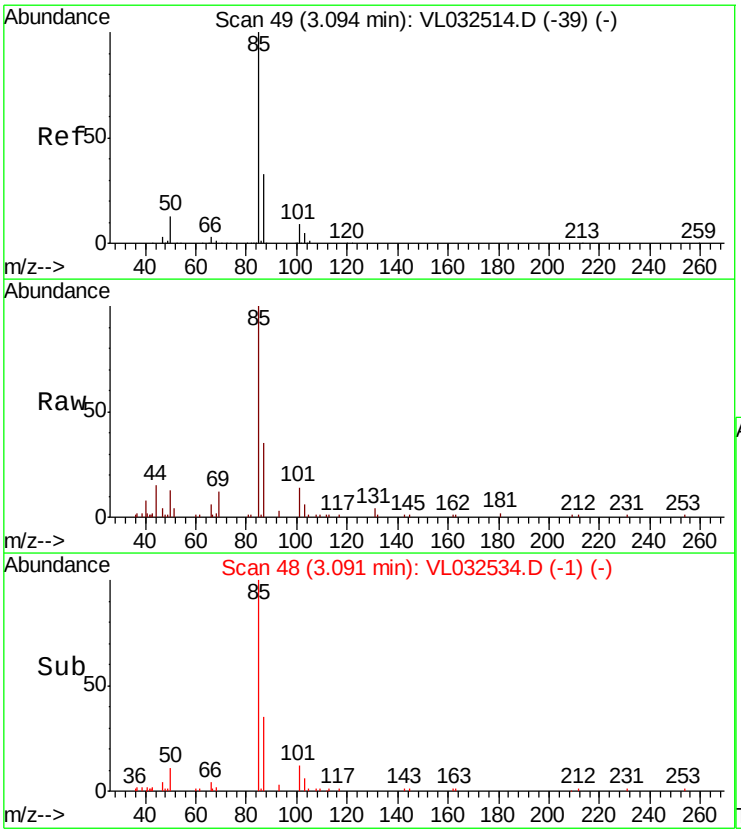
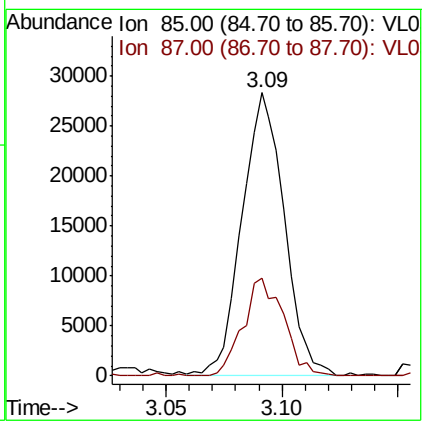
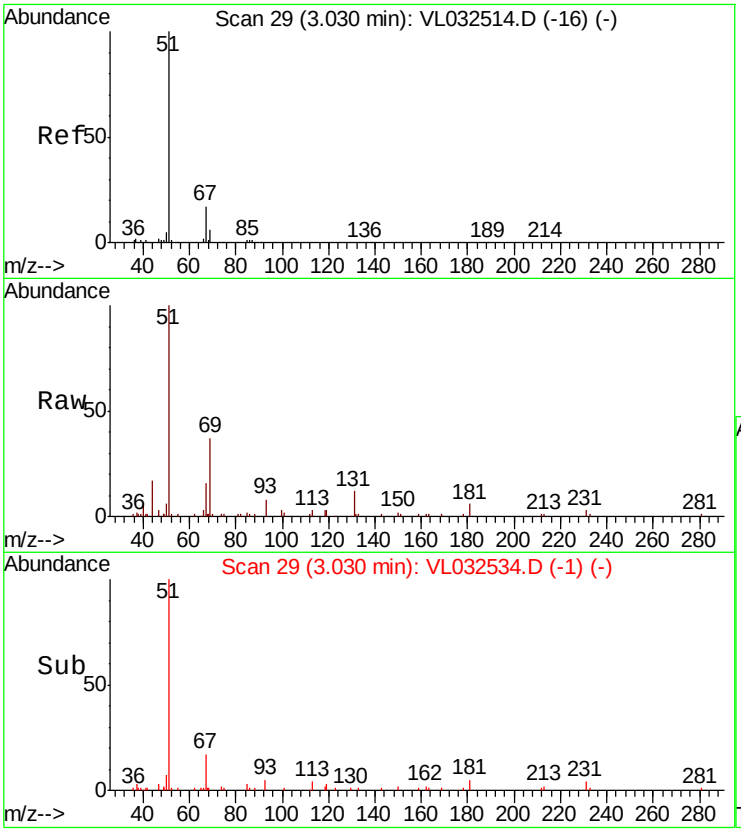


#2
Dichlorodifluoromethane
Concen: 0.272 ppbv
RT: 3.09 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 85 Resp: 35901

Ion	Ratio	Lower	Upper
85	100		
87	34.5	26.2	39.4

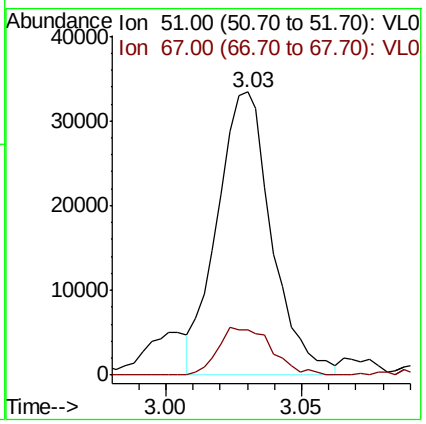




#3
Chlorodifluoromethane
Concen: 0.395 ppbv m
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 51 Resp: 46828

Ion	Ratio	Lower	Upper
51	100		
67	16.5	13.8	20.8



Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

Manual Integrations APPROVED
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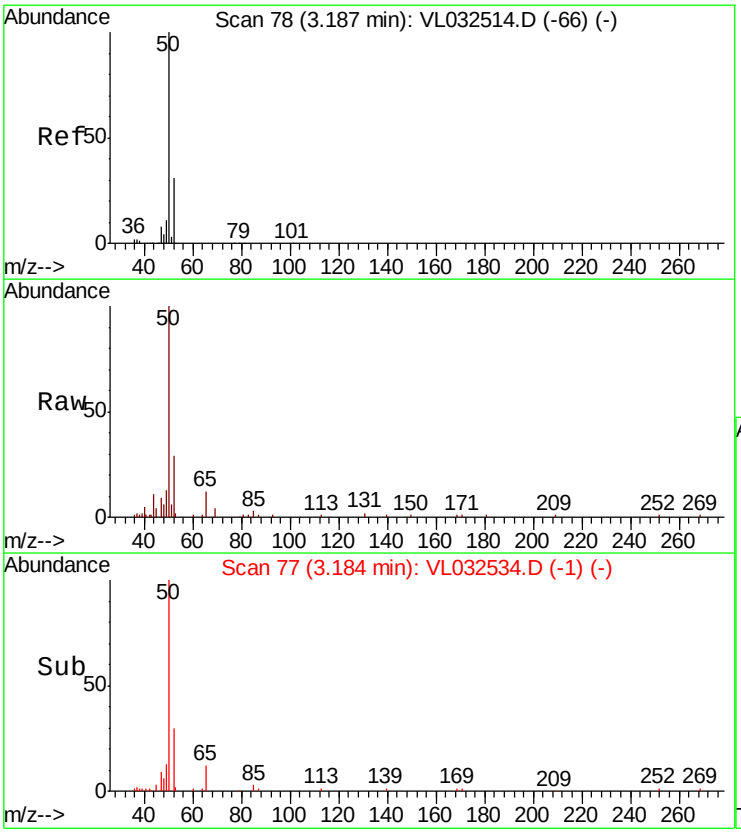
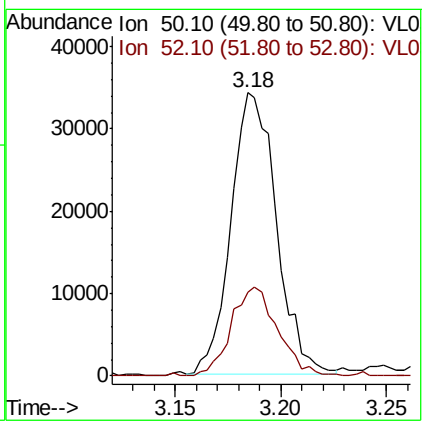
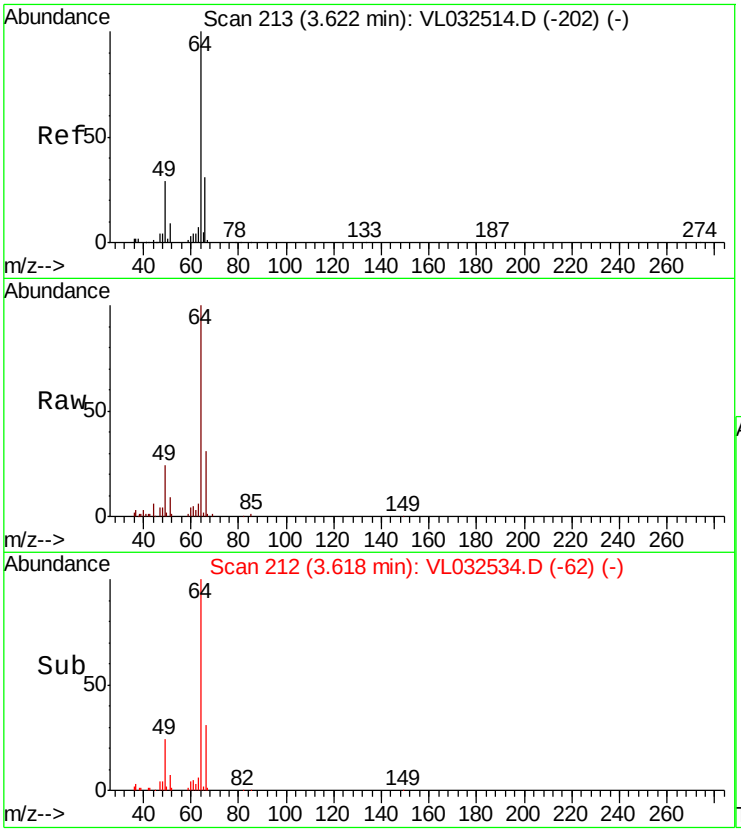


#4
Chloromethane
Concen: 0.743 ppbv
RT: 3.18 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 50 Resp: 51334

Ion	Ratio	Lower	Upper
50	100		
52	29.6	25.6	38.4





#7
Chloroethane
Concen: 2.270 ppbv
RT: 3.62 min Scan# 212
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 64 Resp: 56459

Ion	Ratio	Lower	Upper
64	100		
66	30.6	25.8	38.6

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

Manual Integrations APPROVED
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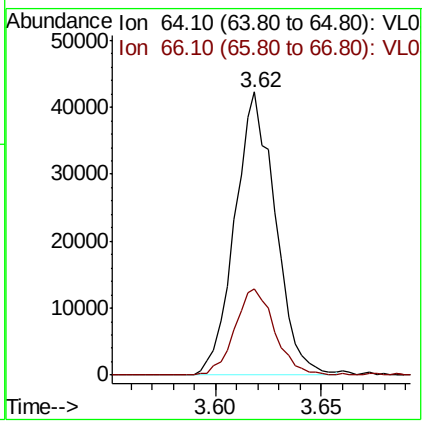
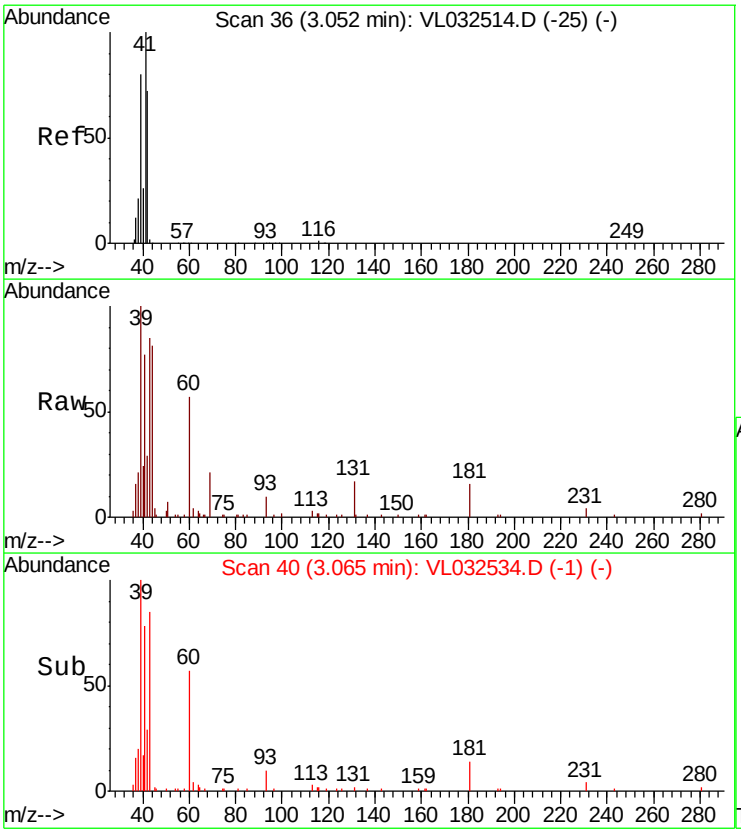
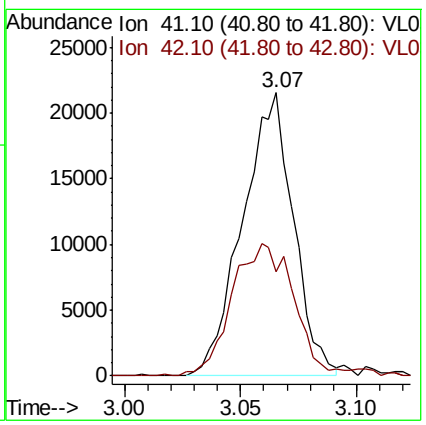


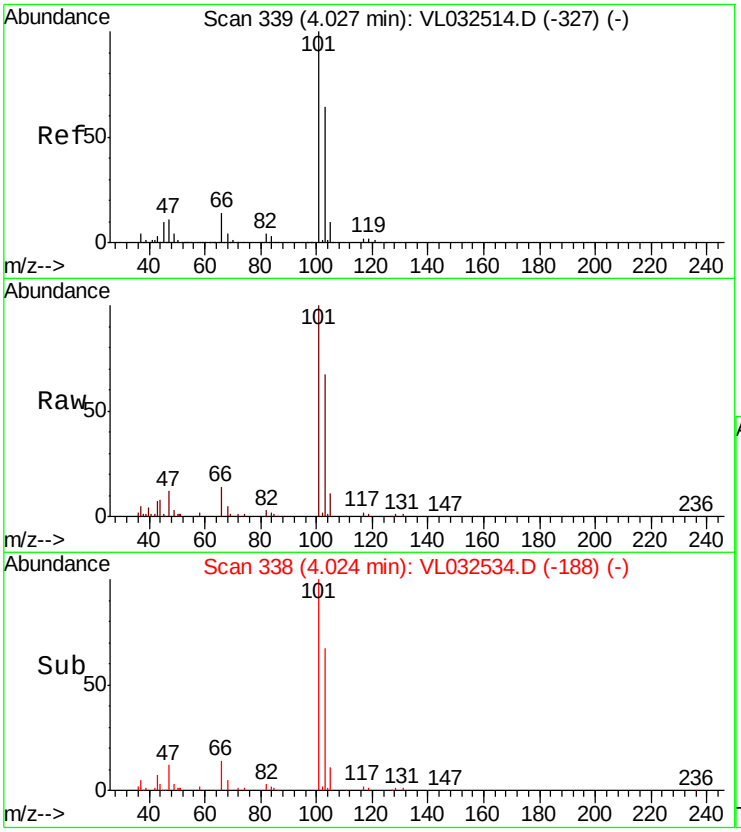


#9
Propene
Concen: 0.637 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 41 Resp: 32755

Ion	Ratio	Lower	Upper
41	100		
42	58.4	56.6	84.8





#11
Trichlorofluoromethane
Concen: 0.425 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:101 Resp: 66532

Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.8	79.2

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

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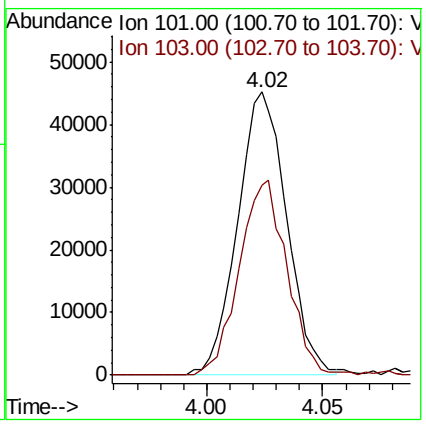
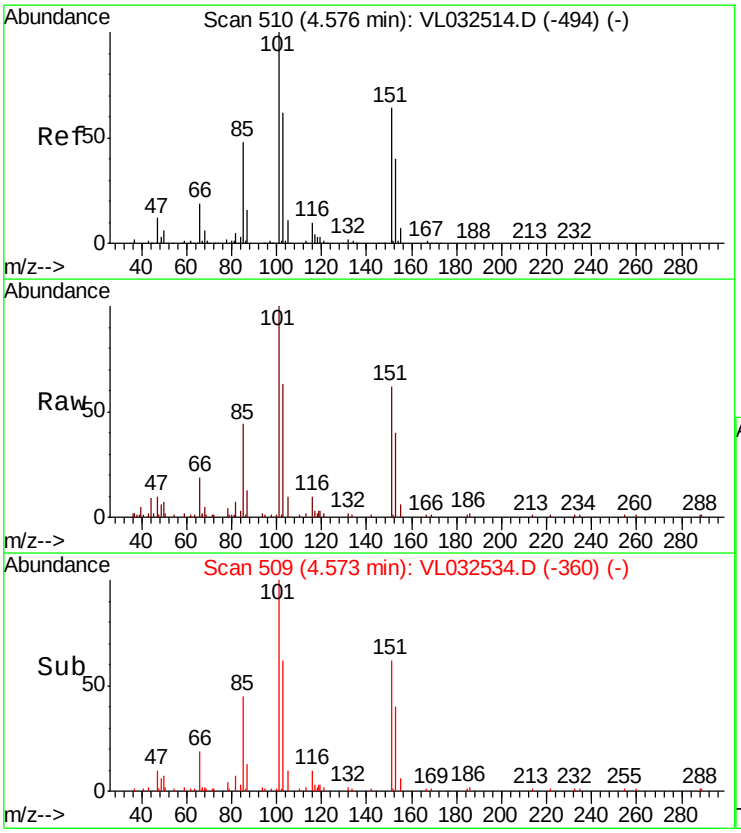
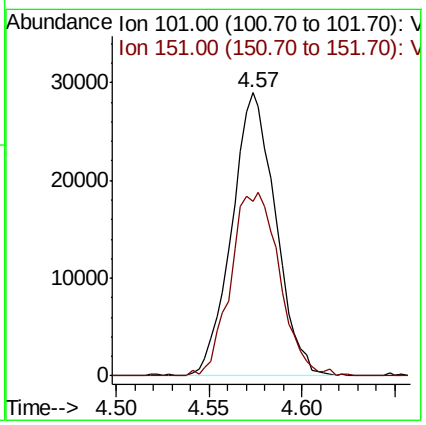


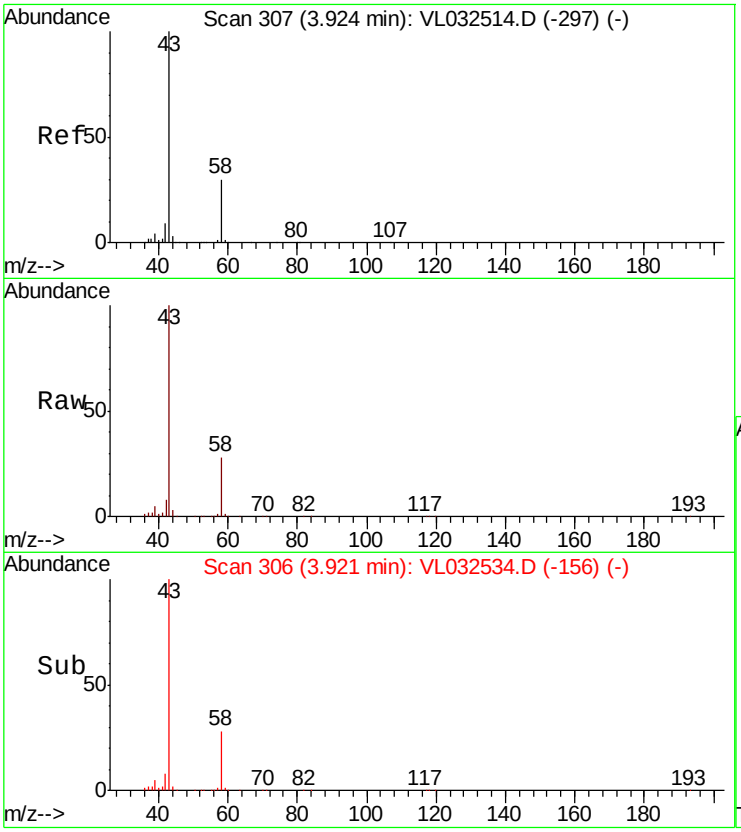


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.371 ppbv
RT: 4.57 min Scan# 509
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:101 Resp: 47519

Ion	Ratio	Lower	Upper
101	100		
151	72.1	52.6	78.8

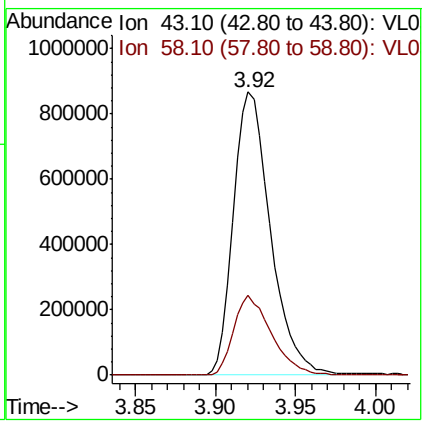




#15
Acetone
Concen: 10.951 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 43 Resp: 1369333

Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.6	33.8



Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

Manual Integrations APPROVED
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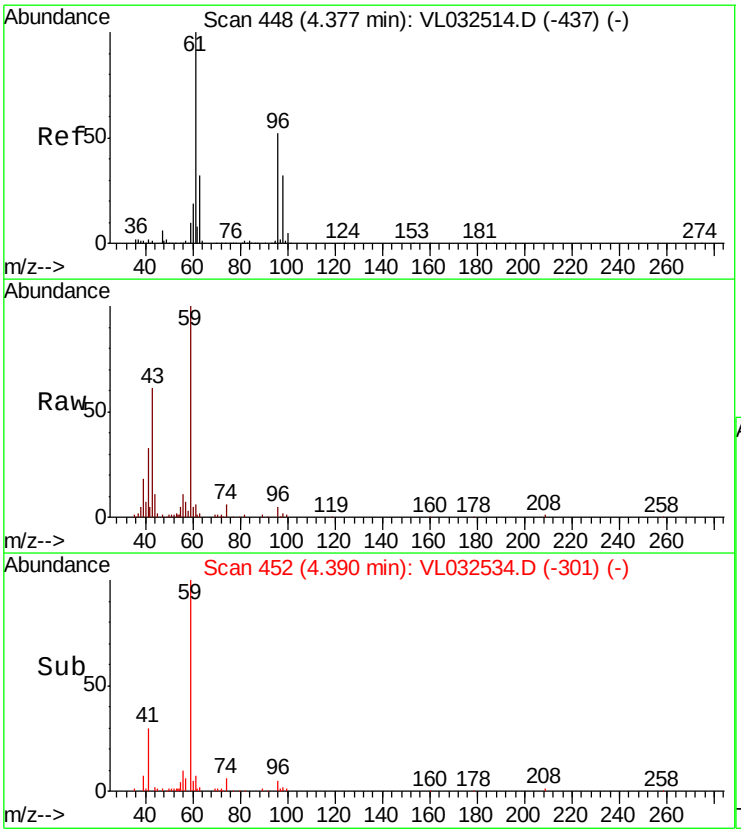
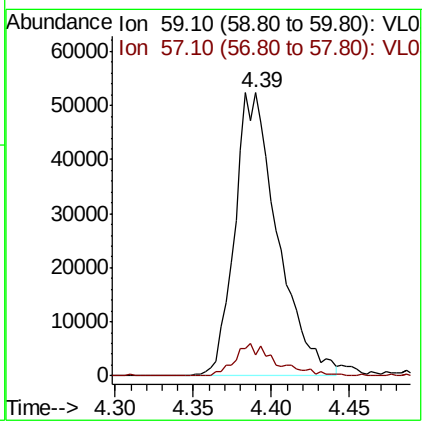
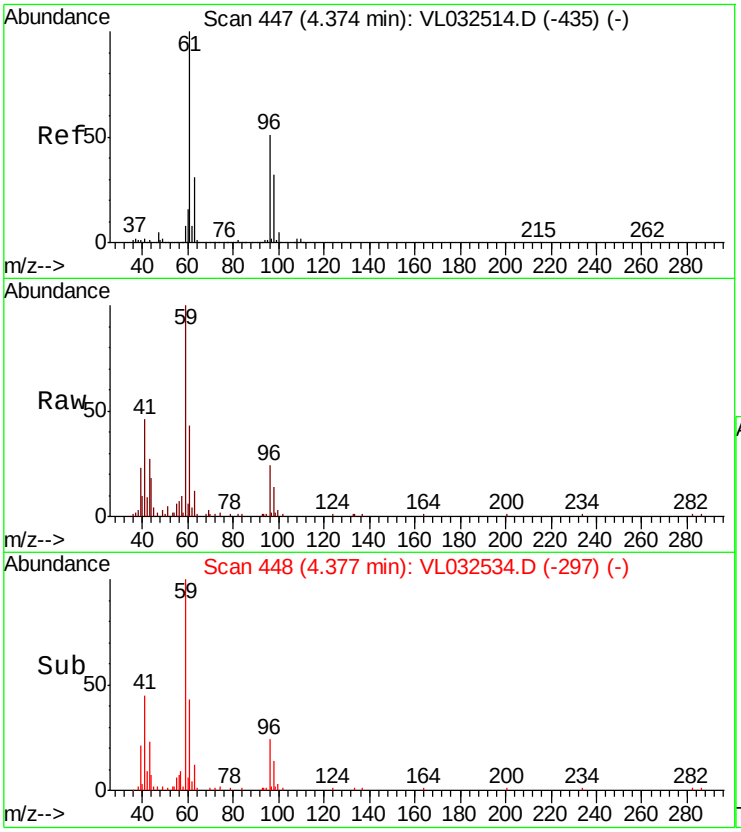


#17
tert-Butyl alcohol
Concen: 6.399 ppbv m
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 59 Resp: 100542

Ion	Ratio	Lower	Upper
59	100		
57	10.9	0.0	0.0#

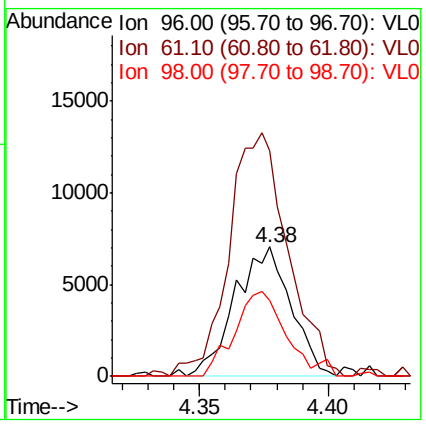




#18
1,1-Dichloroethene
Concen: 0.178 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 96 Resp: 10655

Ion	Ratio	Lower	Upper
96	100		
61	168.8	159.2	238.8
98	67.9	51.0	76.4



Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

Manual Integrations APPROVED
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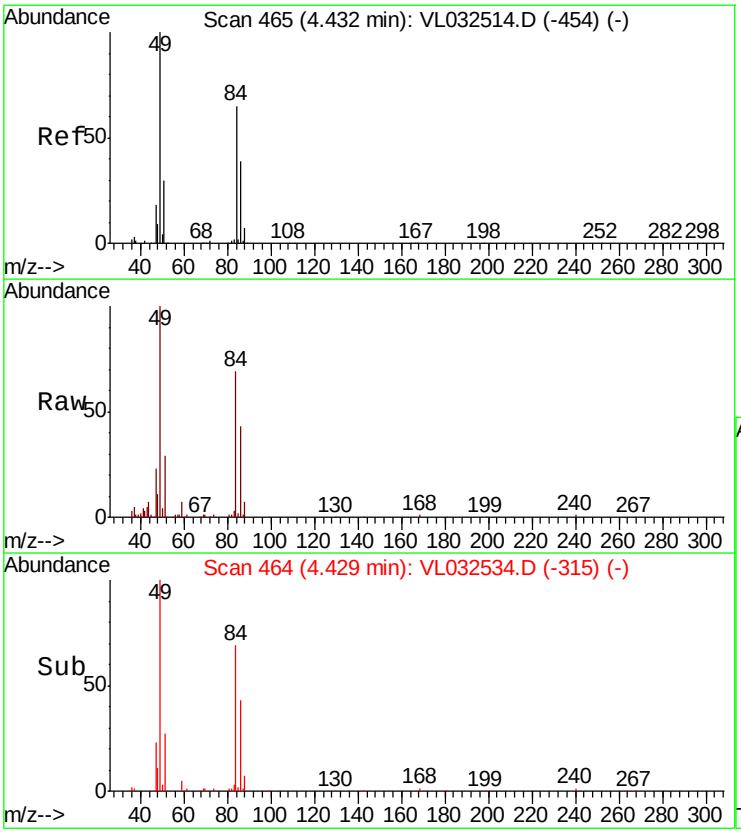
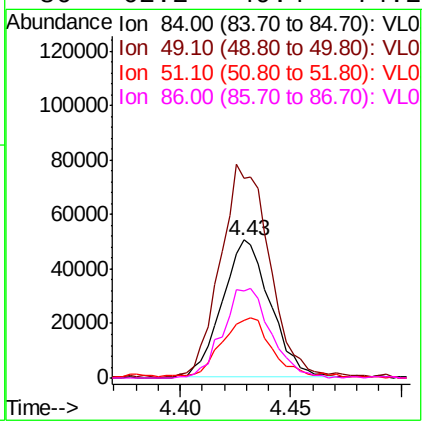
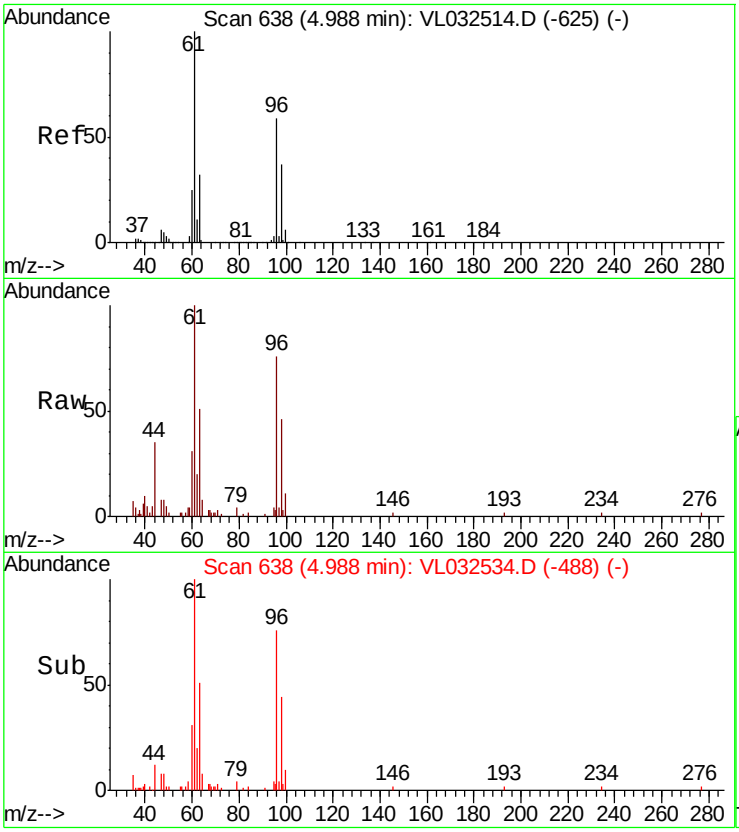


#20
Methylene Chloride
Concen: 1.258 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 84 Resp: 76181

Ion	Ratio	Lower	Upper
84	100		
49	142.1	119.1	178.7
51	40.3	35.2	52.8
86	62.2	49.4	74.2

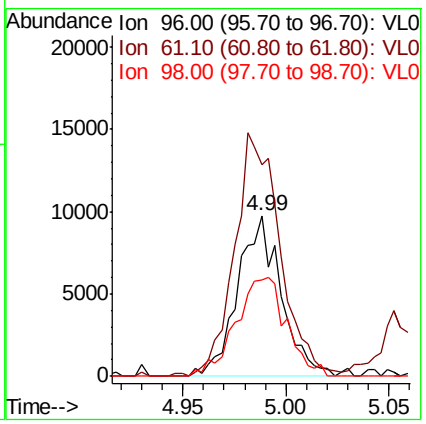




#22
trans-1,2-Dichloroethene
Concen: 0.253 ppbv m
RT: 4.99 min Scan# 638
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 96 Resp: 14297

Ion	Ratio	Lower	Upper
96	100		
61	131.8	136.2	204.4#
98	60.2	50.4	75.6



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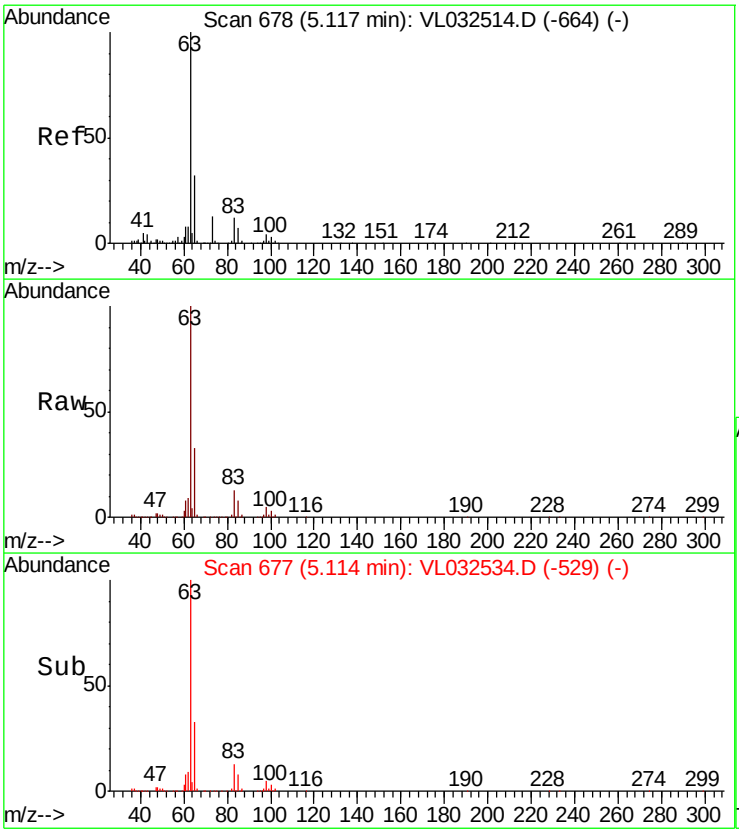
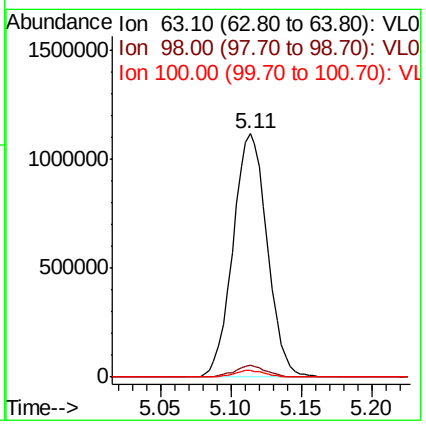
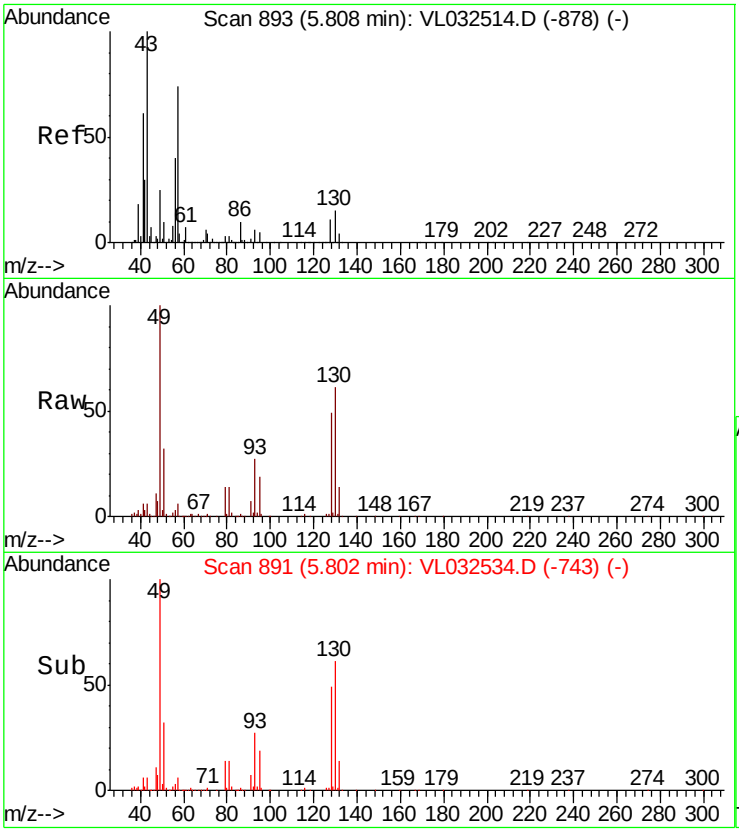


#24
1,1-Dichloroethane
Concen: 10.323 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 63 Resp: 1899354

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.6	1.5	4.4

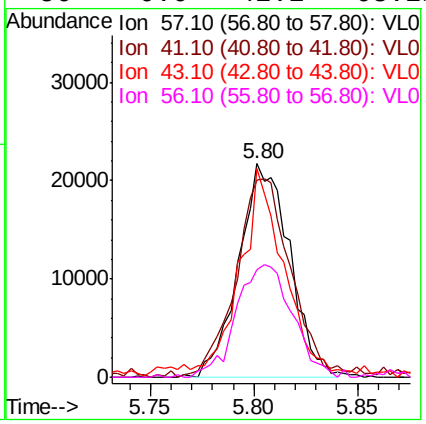




#26
Hexane
Concen: 0.271 ppbv m
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

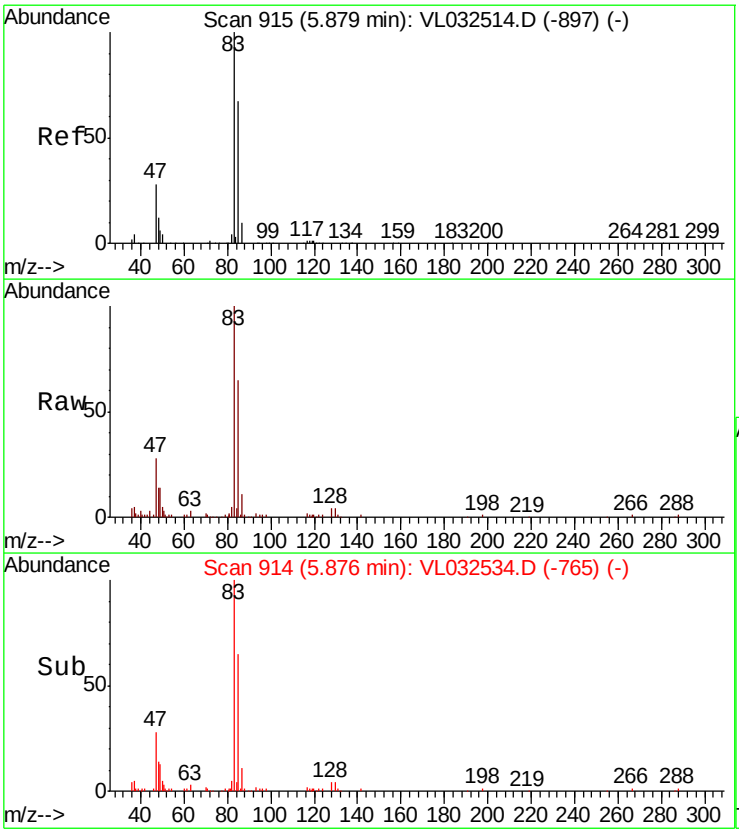
Tgt Ion: 57 Resp: 37087

Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.0	103.4#
43	88.6	172.1	258.1#
56	0.0	42.2	63.2#



Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

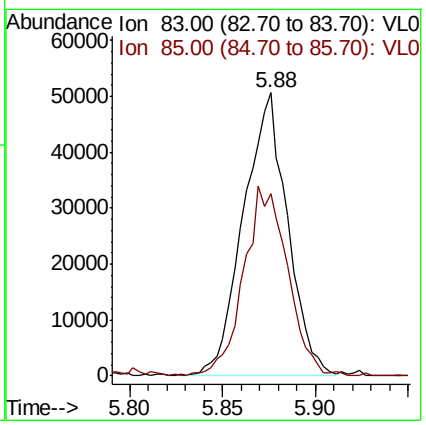
Manual Integrations APPROVED
apatel
9/26/2018 4:56:29 PM

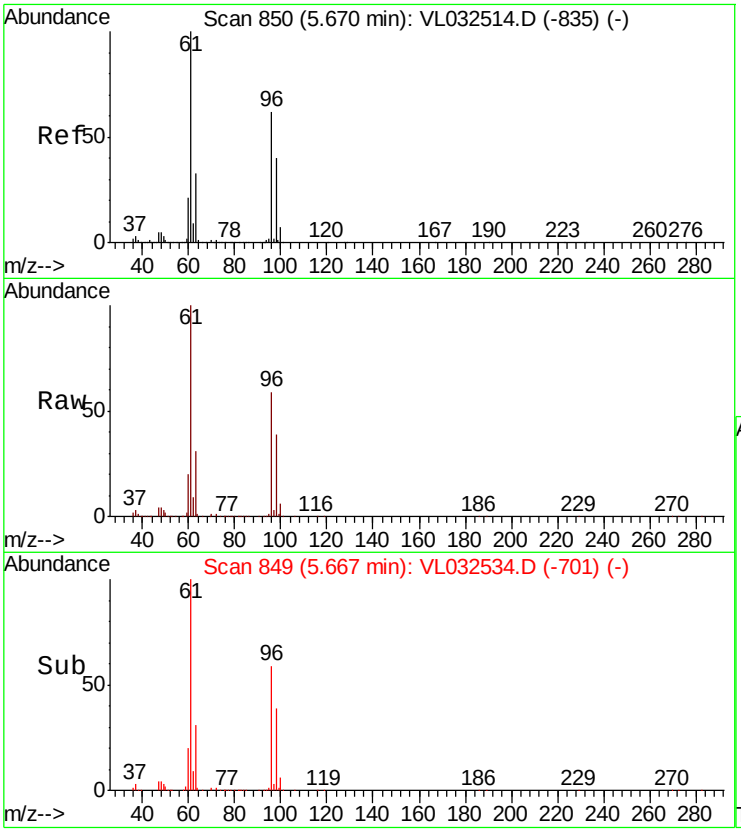


#29
Chloroform
Concen: 0.400 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 83 Resp: 84178

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7

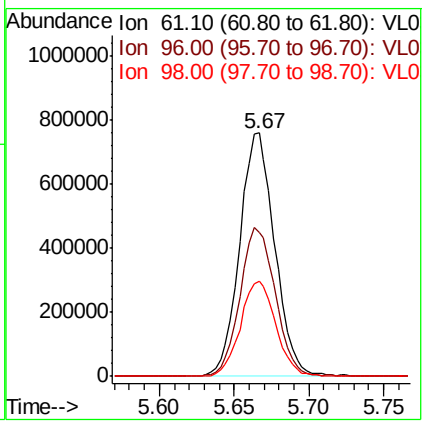




#31
cis-1,2-Dichloroethene
Concen: 9.514 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 61 Resp: 1241819

Ion	Ratio	Lower	Upper
61	100		
96	59.3	49.2	73.8
98	39.2	30.7	46.1



Instrument :
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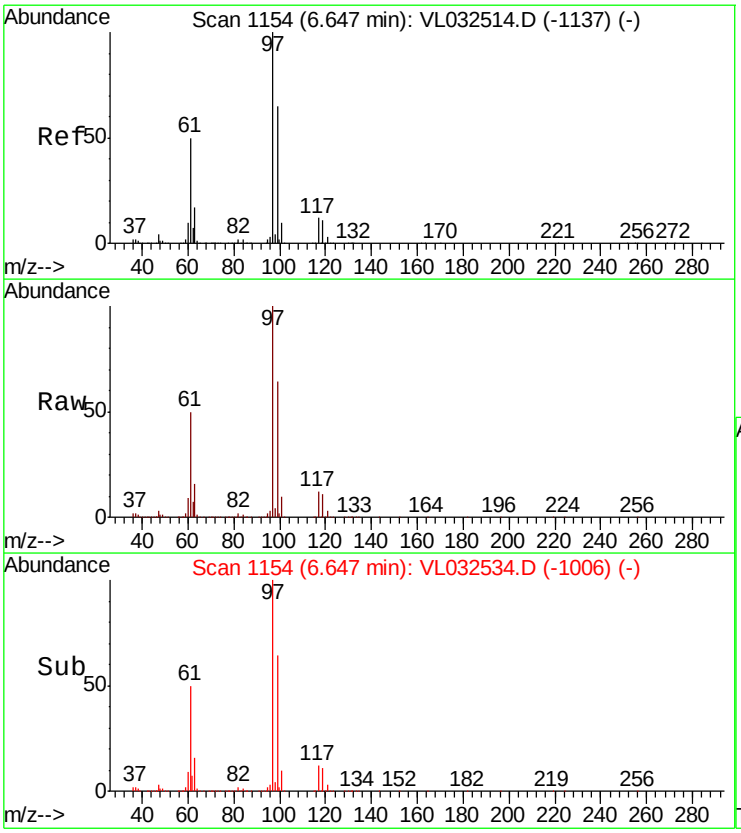
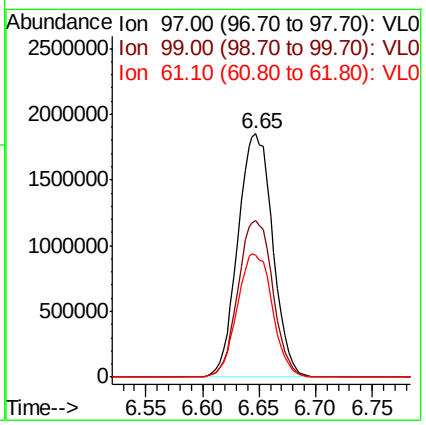
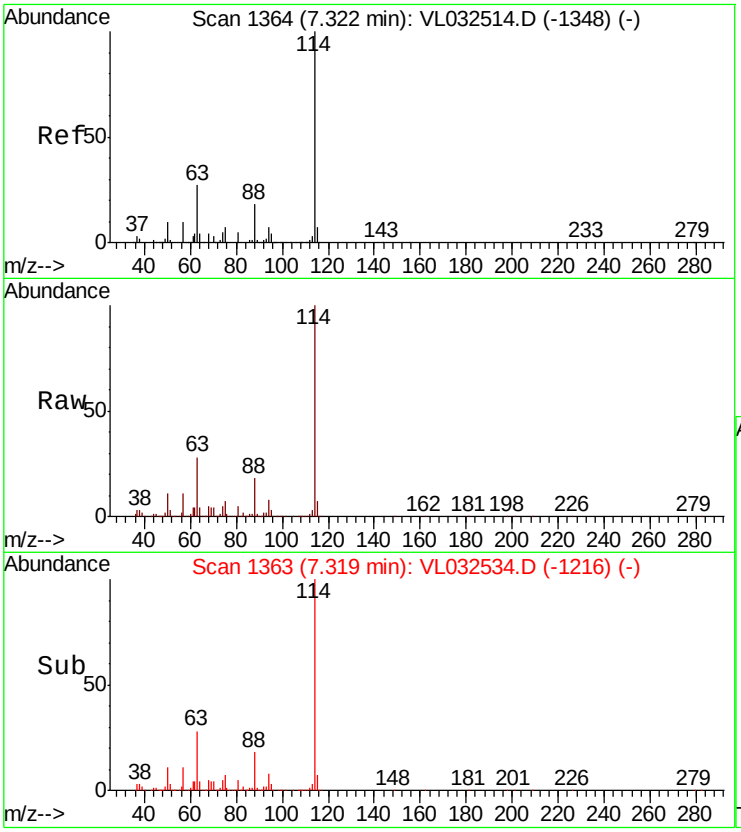


#32
1,1,1-Trichloroethane
Concen: 17.696 ppbv
RT: 6.65 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 97 Resp: 3965550

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	51.4	42.5	63.7

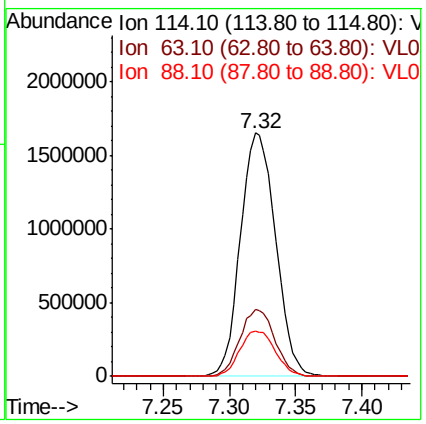




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:114 Resp: 3054027

Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.4
88	18.8	15.0	22.4



Instrument :
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ClientSampleId :
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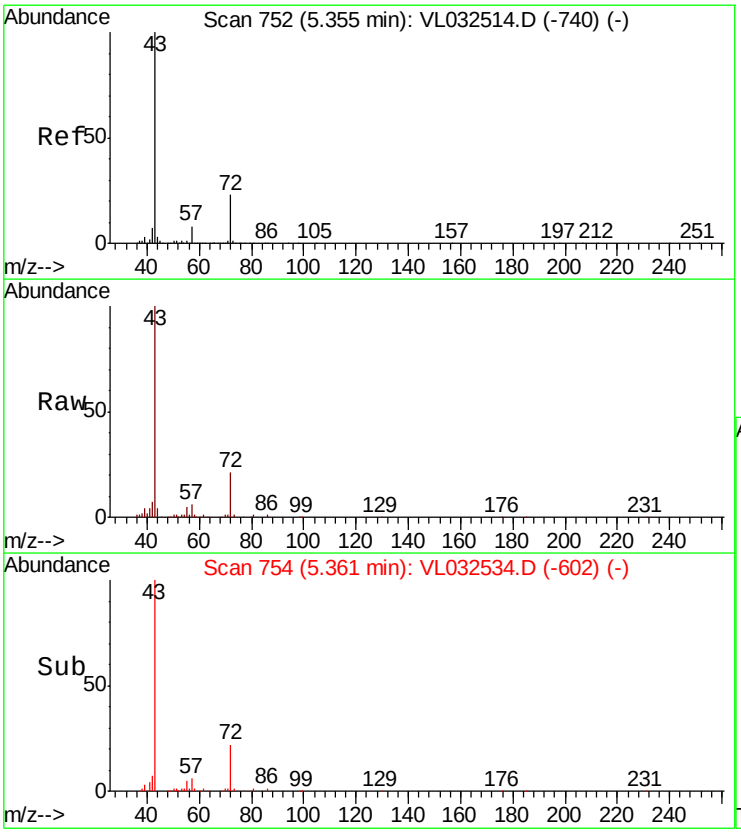
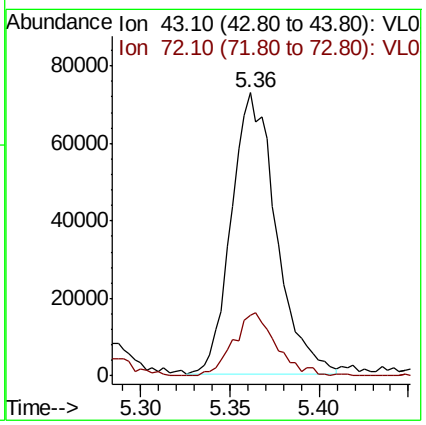
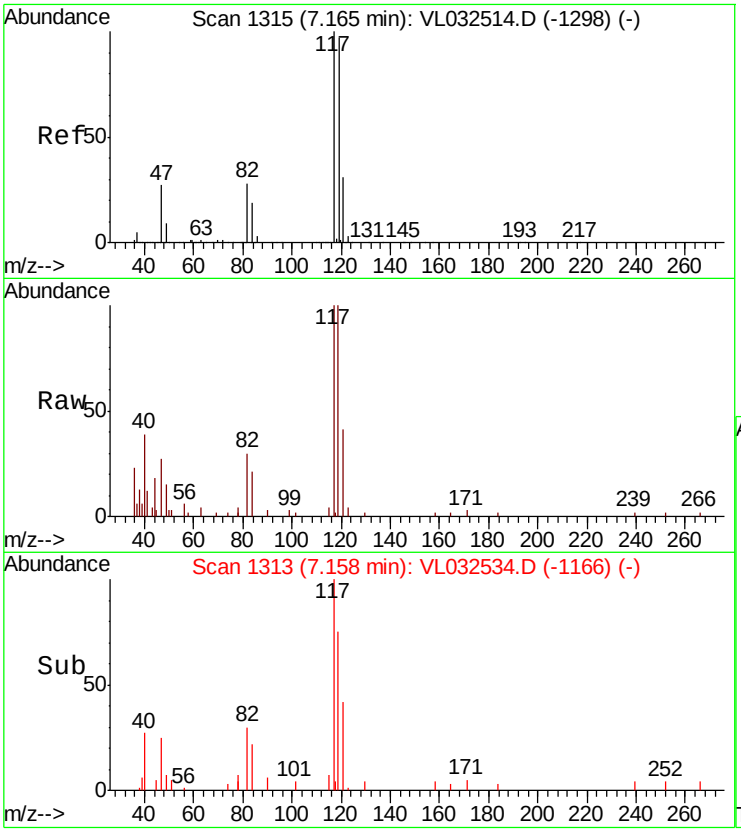


#34
2-Butanone
Concen: 0.699 ppbv
RT: 5.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 43 Resp: 127092

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6

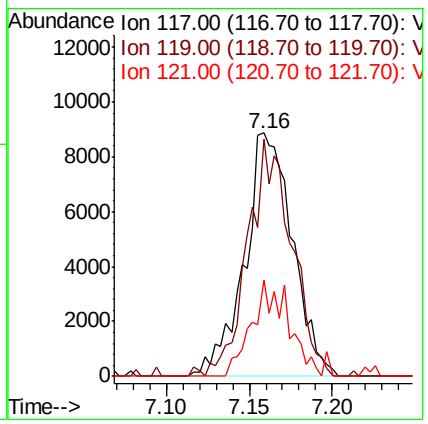




#35
Carbon Tetrachloride
Concen: 0.084 ppbv
RT: 7.16 min Scan# 1313
Delta R.T. -0.03 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:117 Resp: 17823

Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.6	115.0
121	39.8	24.6	36.8#



Instrument :
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ClientSampleId :
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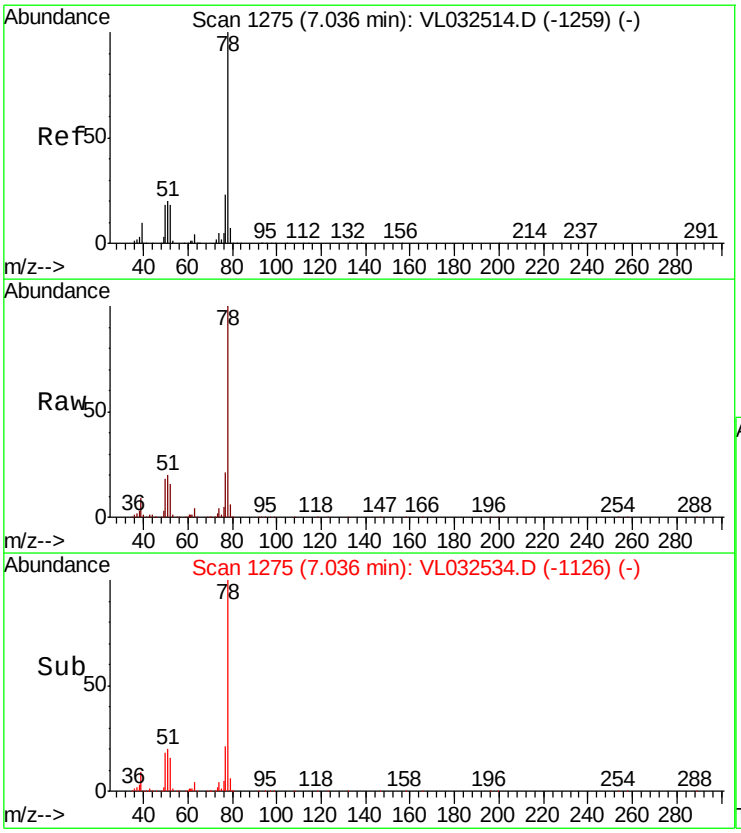
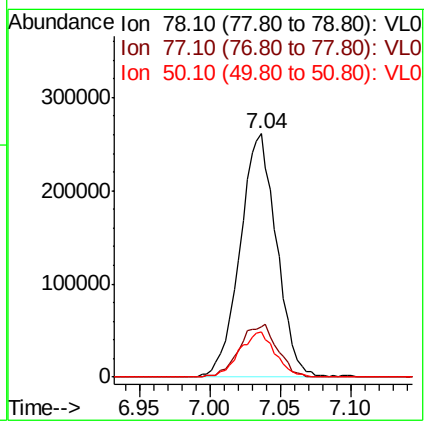
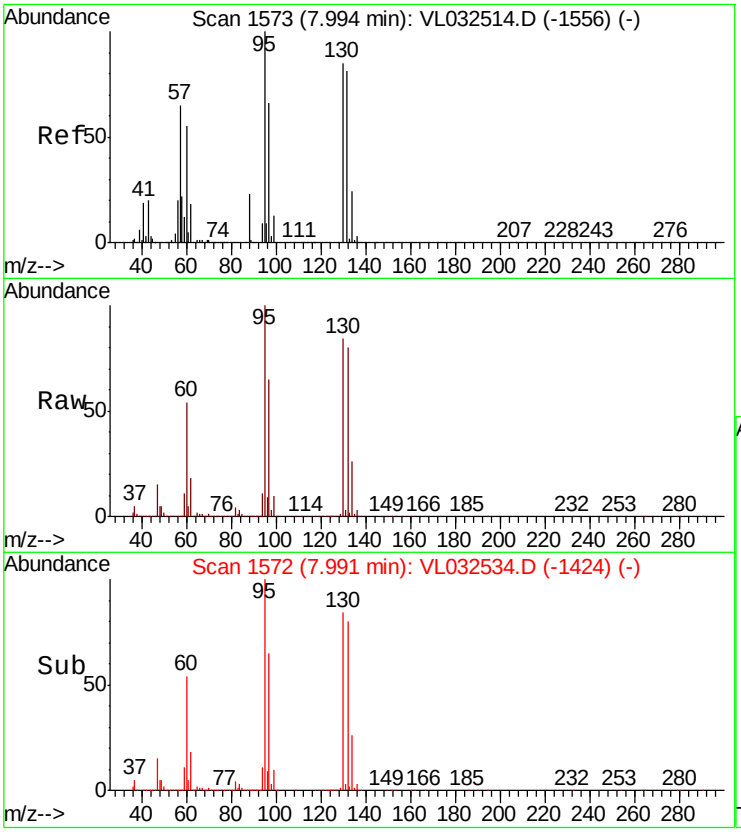


#36
Benzene
Concen: 1.920 ppbv
RT: 7.04 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 78 Resp: 473876

Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.4	27.6
50	18.4	14.4	21.6

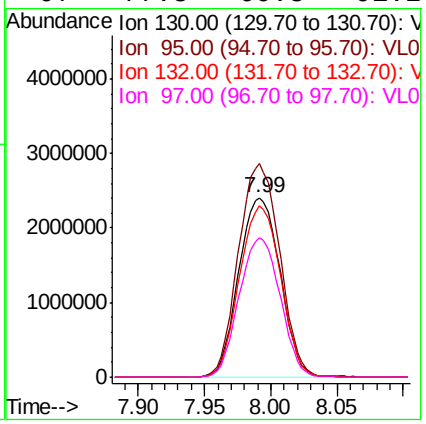




#38
Trichloroethene
Concen: 55.314 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:130 Resp: 5225615

Ion	Ratio	Lower	Upper
130	100		
95	118.8	94.2	141.4
132	95.3	76.2	114.4
97	77.8	60.8	91.2



Instrument :
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ClientSampleId :
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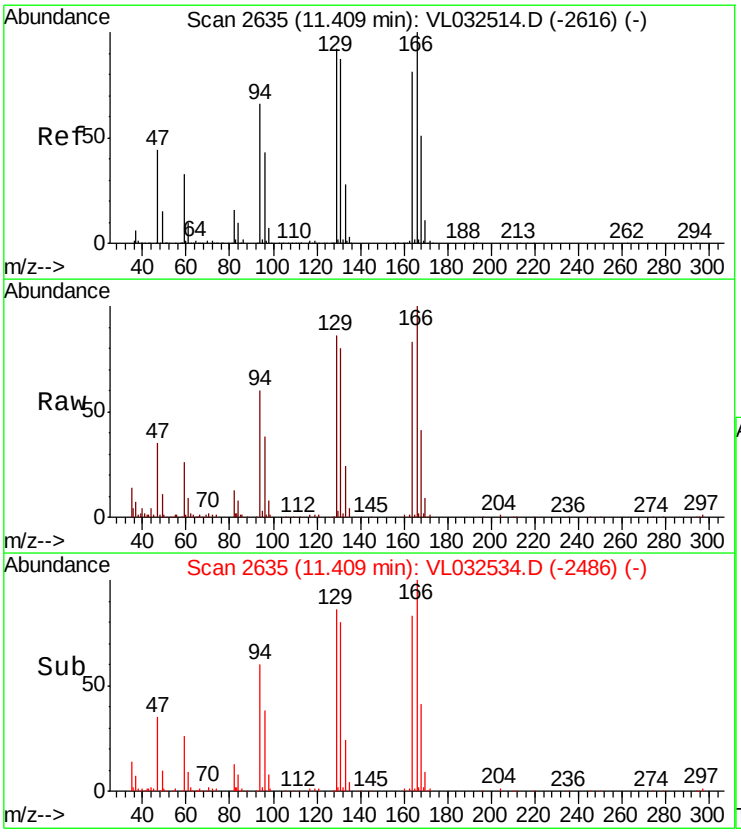
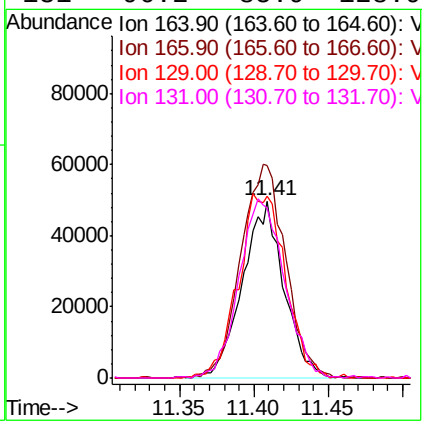
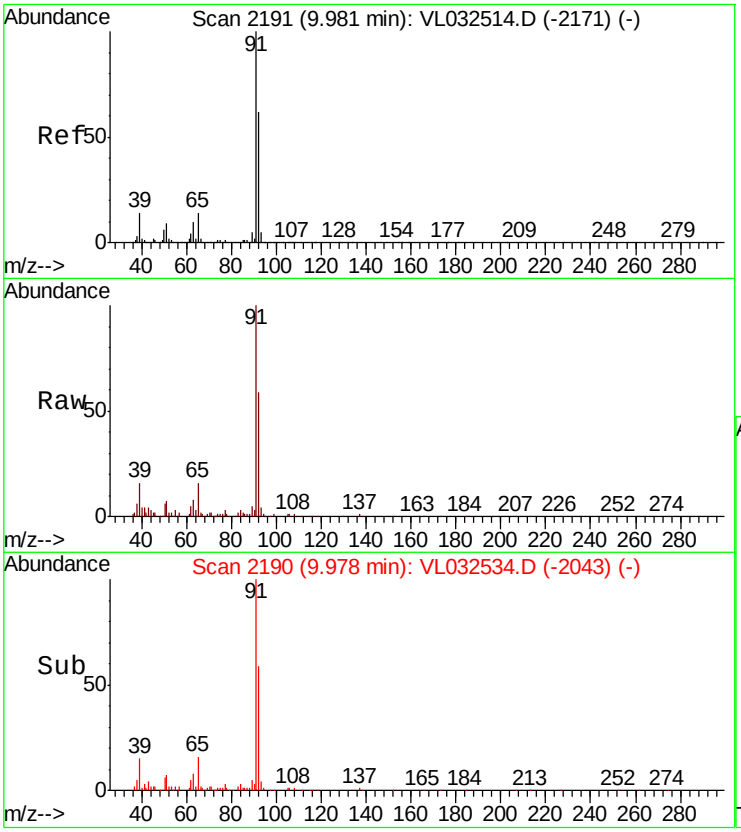


#52
Tetrachloroethene
Concen: 1.109 ppbv m
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:164 Resp: 95330

Ion	Ratio	Lower	Upper
164	100		
166	120.1	100.6	150.8
129	102.7	89.9	134.9
131	96.2	85.9	128.9





#53
Toluene
Concen: 0.521 ppbv
RT: 9.98 min Scan# 2190
Delta R.T. -0.03 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 91 Resp: 156564

Ion	Ratio	Lower	Upper
91	100		
92	57.3	48.1	72.1

Instrument :
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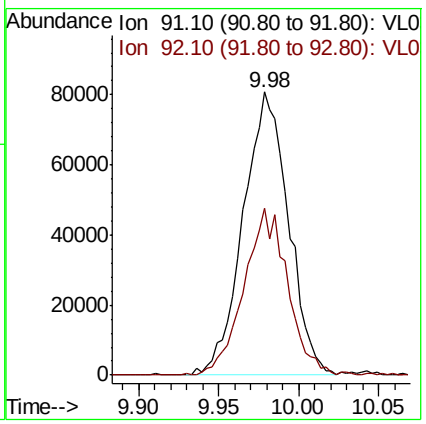
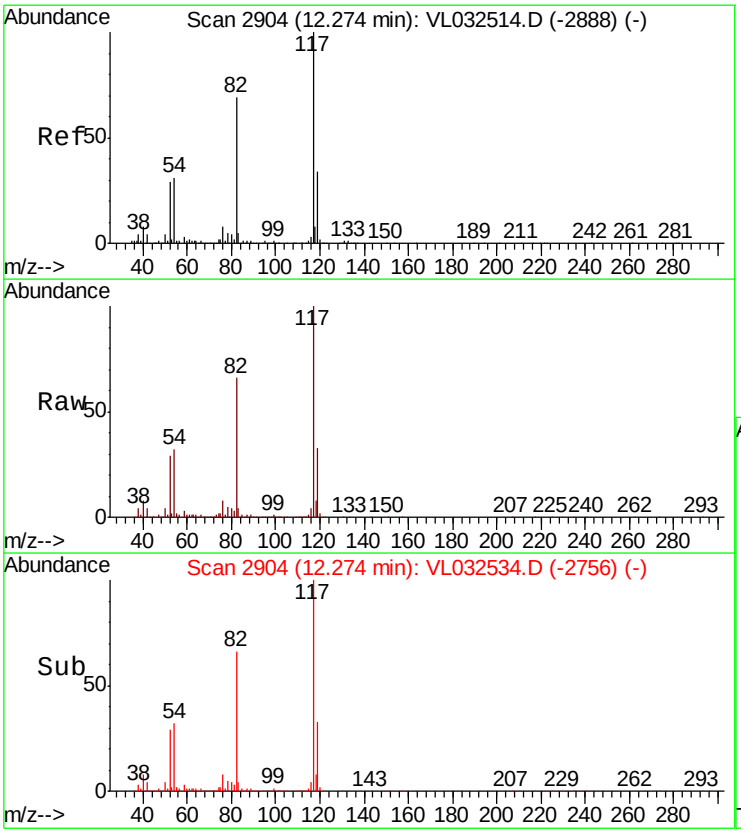
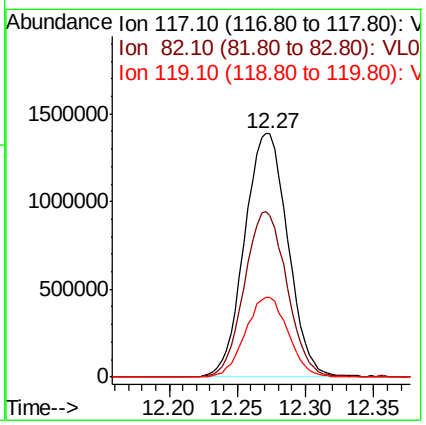


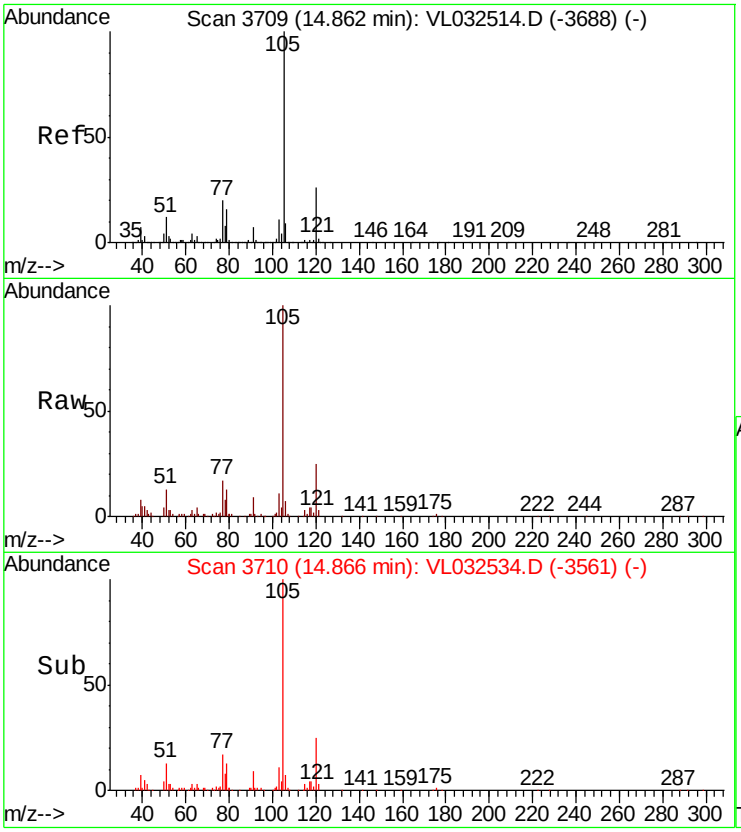


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:117 Resp: 3061030

Ion	Ratio	Lower	Upper
117	100		
82	67.1	53.0	79.6
119	32.5	45.9	68.9#

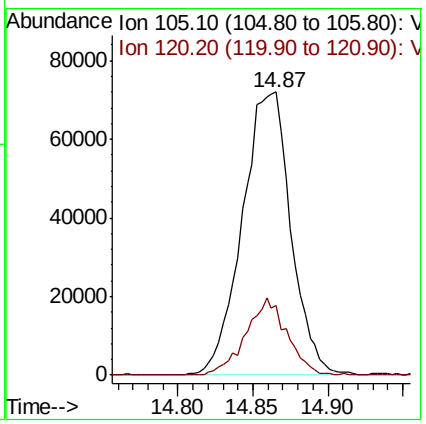




#62
Isopropylbenzene
Concen: 0.357 ppbv m
RT: 14.87 min Scan# 3710
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion:105 Resp: 162311

Ion	Ratio	Lower	Upper
105	100		
120	23.2	20.6	31.0



Instrument :
MSVOA_L
ClientSampleId :
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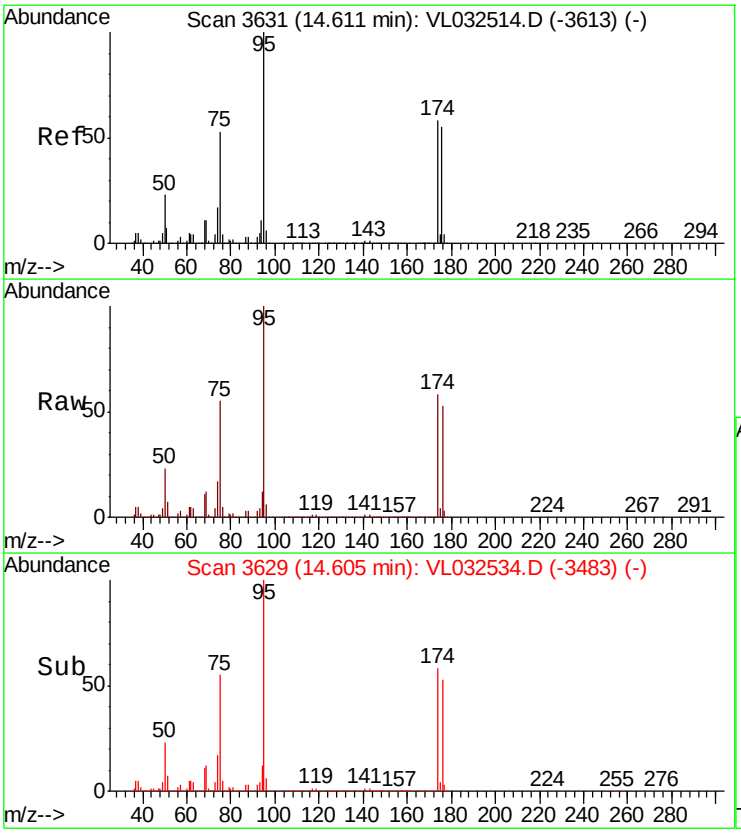

#68
1-Bromo-4-Fluorobenzene
Concen: 9.858 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 95 Resp: 2275683

Ion	Ratio	Lower	Upper
95	100		
174	58.9	46.3	69.5
175	4.0	3.4	5.0