Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032538.D
Acq On : 25 Sep 2018 10:16
Operator : SY/AP
Sample : J5034-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018

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Quant Time: Sep 25 13:19:19 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	1443937	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.32	114	3182338	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.27	117	3038550	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2307828	10.07	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	31970	0.239	ppbv		92
3) Chlorodifluoromethane	3.03	51	58595m	0.488	ppbv		
4) Chloromethane	3.19	50	33247	0.475	ppbv	#	88
5) Vinyl Chloride	3.31	62	21067	0.298	ppbv		96
7) Chloroethane	3.62	64	13570	0.538	ppbv	#	82
9) Propene	3.06	41	206036m	3.955	ppbv		
11) Trichlorofluoromethane	4.02	101	180615	1.138	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.57	101	79408	0.612	ppbv		96
13) Ethanol	3.67	45	830849	53.055	ppbv		96
15) Acetone	3.91	43	7741652	61.080	ppbv		97
18) 1,1-Dichloroethene	4.37	96	14149	0.233	ppbv		82
19) Isopropyl Alcohol	4.05	45	116675	1.322	ppbv	#	93
20) Methylene Chloride	4.43	84	121873	1.986	ppbv		95
22) trans-1,2-Dichloroethene	4.99	96	7509	0.131	ppbv	#	75
24) 1,1-Dichloroethane	5.12	63	1291562	6.925	ppbv		99
26) Hexane	5.80	57	635561	4.575	ppbv	#	48
29) Chloroform	5.88	83	639032	2.998	ppbv		100
30) Cyclohexane	7.28	84	69246	0.612	ppbv		90
31) cis-1,2-Dichloroethene	5.67	61	772929	5.842	ppbv		96
32) 1,1,1-Trichloroethane	6.65	97	2470909	10.878	ppbv		99
34) 2-Butanone	5.36	43	228787	1.207	ppbv		100
35) Carbon Tetrachloride	7.17	117	20878m	0.094	ppbv		
36) Benzene	7.03	78	42948m	0.167	ppbv		
38) Trichloroethene	7.99	130	3267298	33.191	ppbv		97
41) Tetrahydrofuran	6.19	42	16754	0.163	ppbv	#	73
44) 2,2,4-Trimethylpentane	8.02	57	111706	0.222	ppbv	#	84
52) Tetrachloroethene	11.41	164	82175	0.918	ppbv		90
53) Toluene	9.98	91	1124998	3.590	ppbv		99
74) 1,2,4-Trimethylbenzene	16.96	105	81429m	0.225	ppbv		
79) Naphthalene	22.45	128	85272m	0.326	ppbv		
80) Naphthalene,2-methyl-	25.14	142	74627	1.215	ppbv		95

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

Quantitation Report (QT Reviewed)

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Operator : SY/AP
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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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 :
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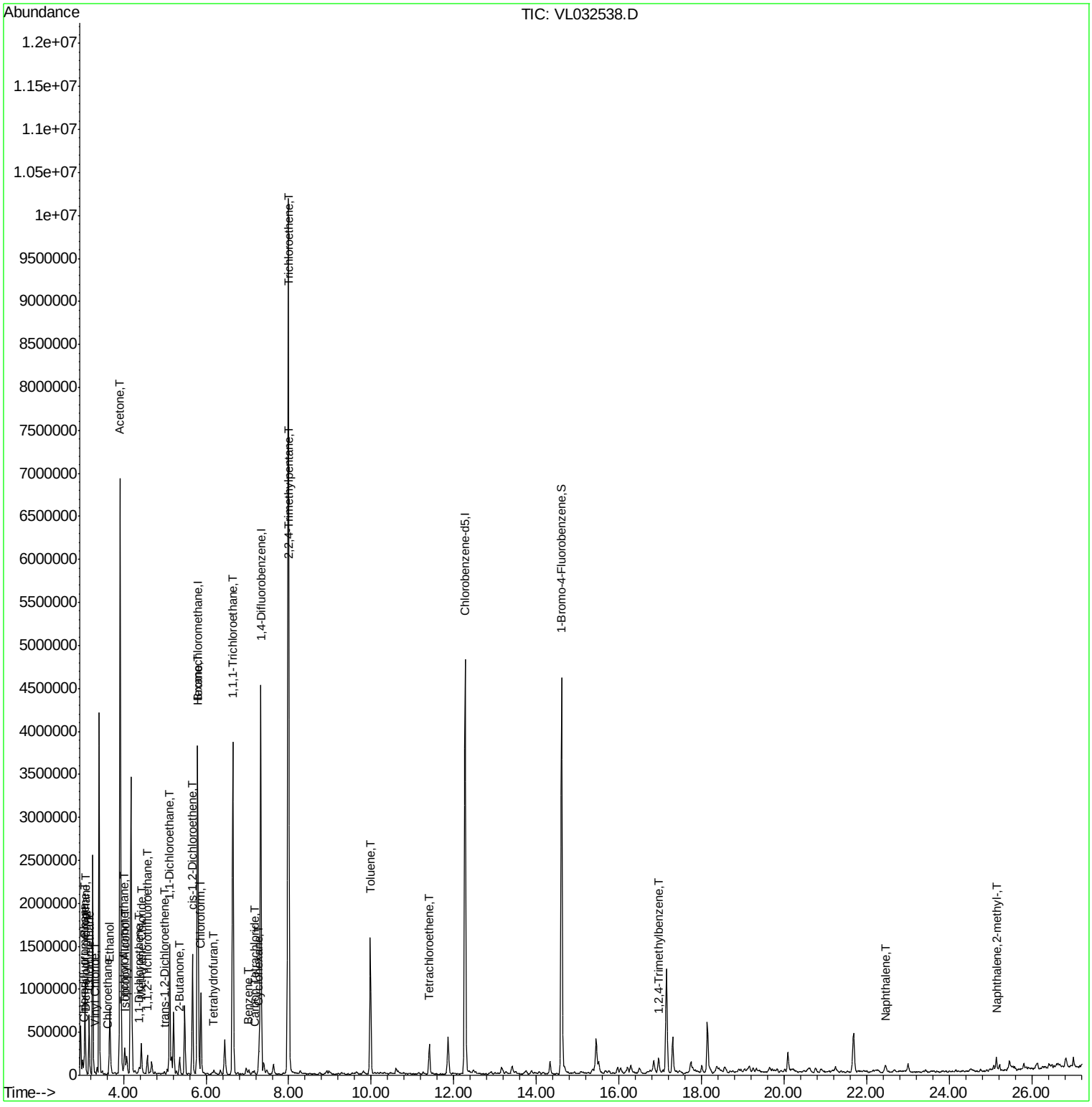
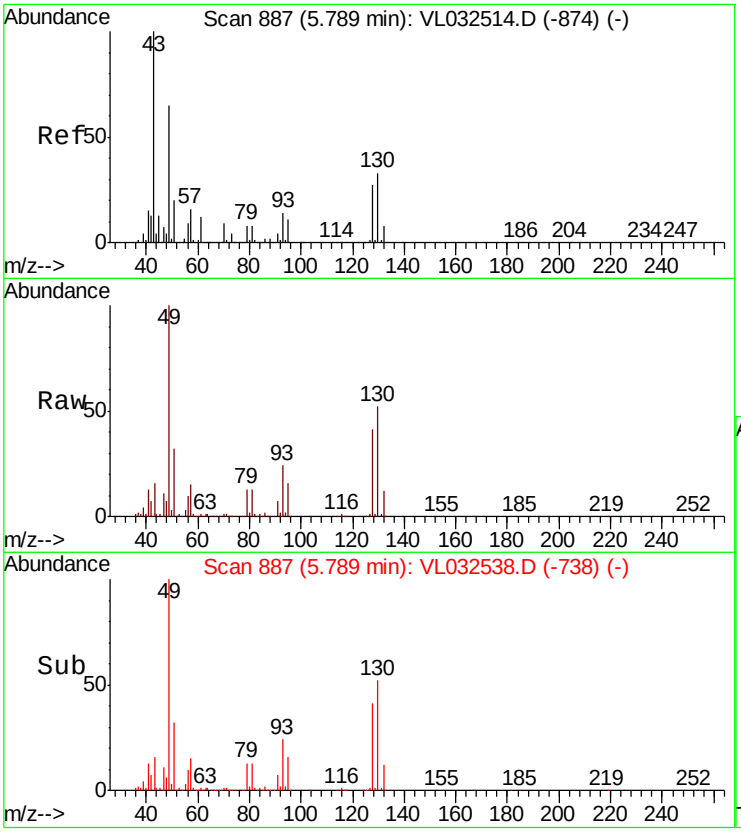
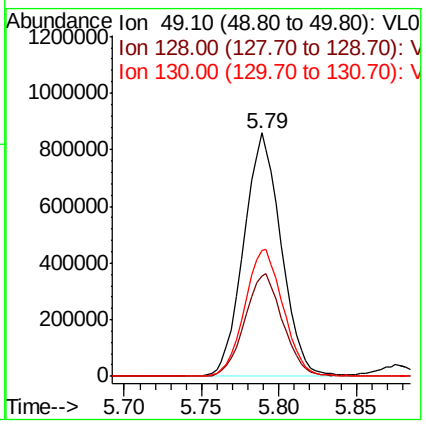




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 49 Resp: 1443937

Ion	Ratio	Lower	Upper
49	100		
128	43.2	20.7	62.1
130	54.1	26.6	79.7



Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018

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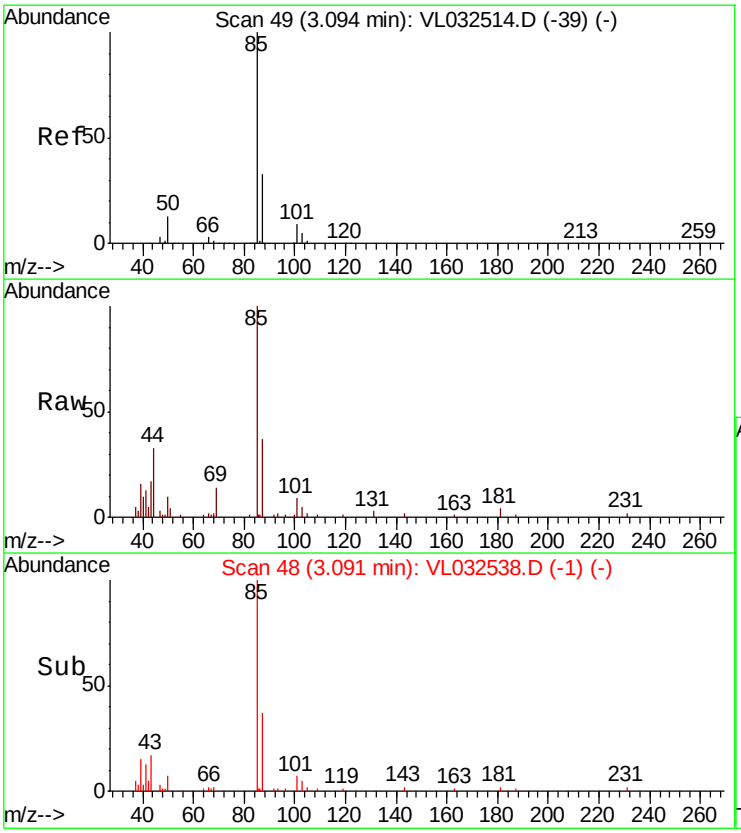
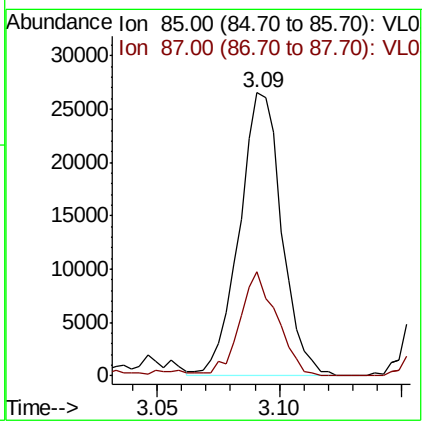
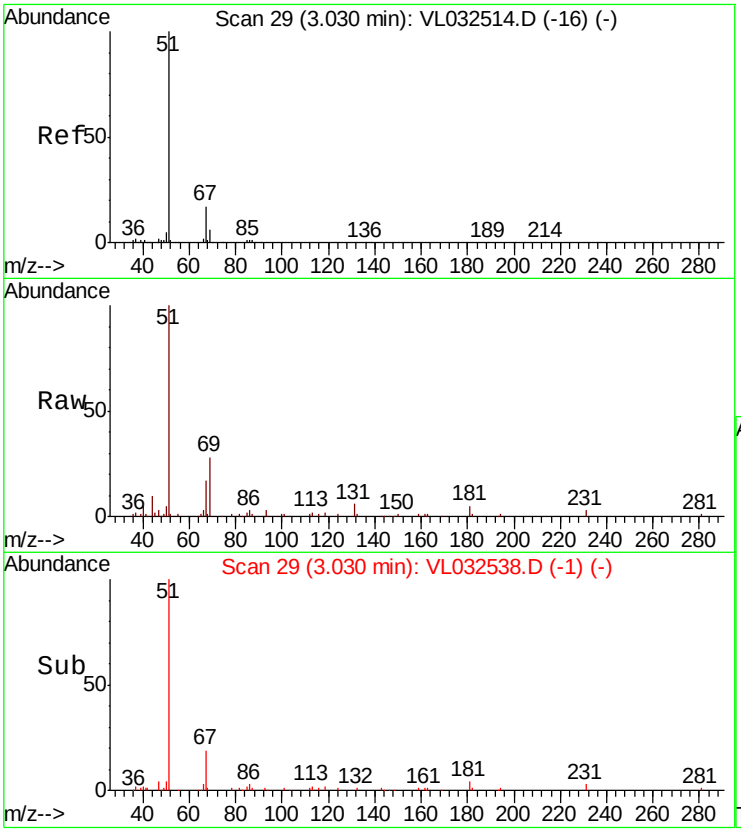


#2
Dichlorodifluoromethane
Concen: 0.239 ppbv
RT: 3.09 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 85 Resp: 31970

Ion	Ratio	Lower	Upper
85	100		
87	37.0	26.2	39.4





#3
Chlorodifluoromethane
Concen: 0.488 ppbv m
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 51 Resp: 58595

Ion	Ratio	Lower	Upper
51	100		
67	2.6	13.8	20.8#

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018

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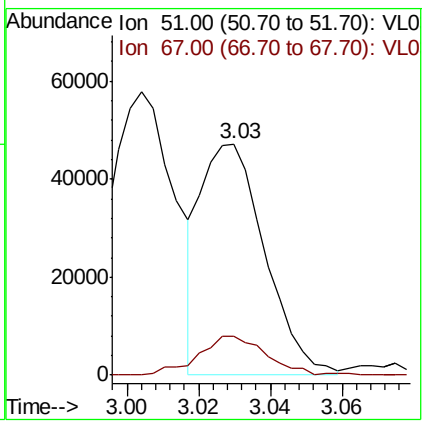
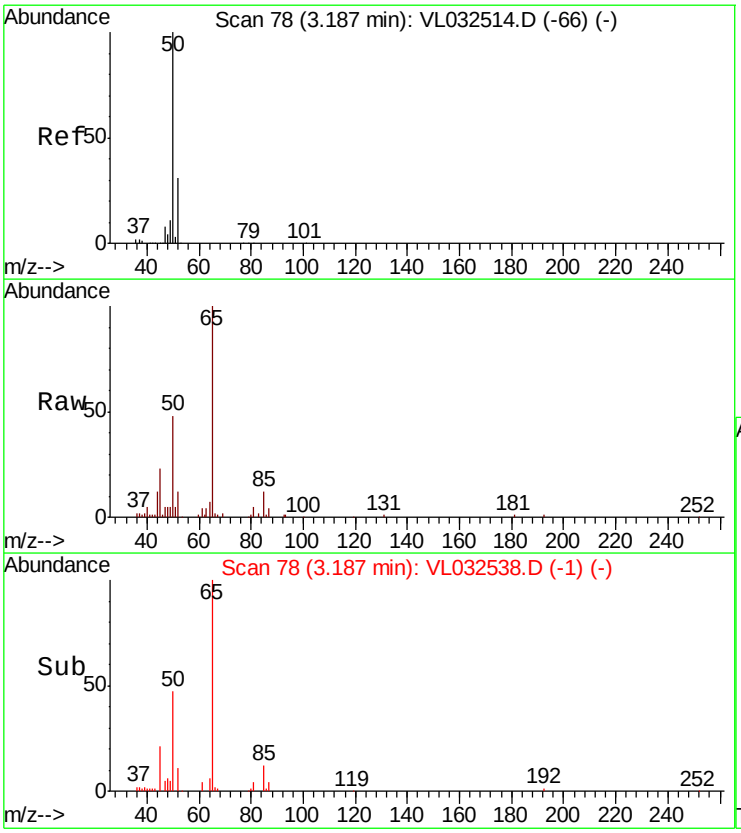
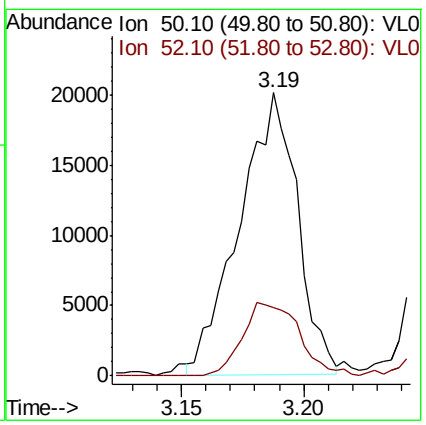


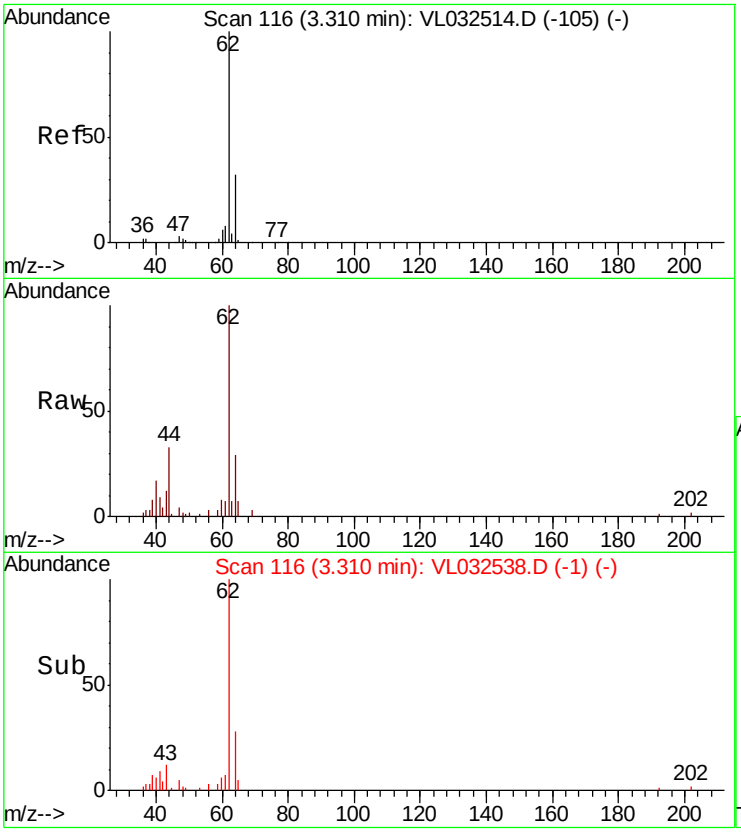


#4
Chloromethane
Concen: 0.475 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 50 Resp: 33247

Ion	Ratio	Lower	Upper
50	100		
52	25.1	25.6	38.4#

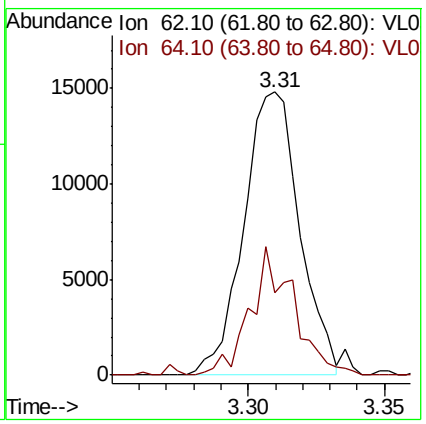




#5
Vinyl Chloride
Concen: 0.298 ppbv
RT: 3.31 min Scan# 116
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 62 Resp: 21067

Ion	Ratio	Lower	Upper
62	100		
64	29.1	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-092018

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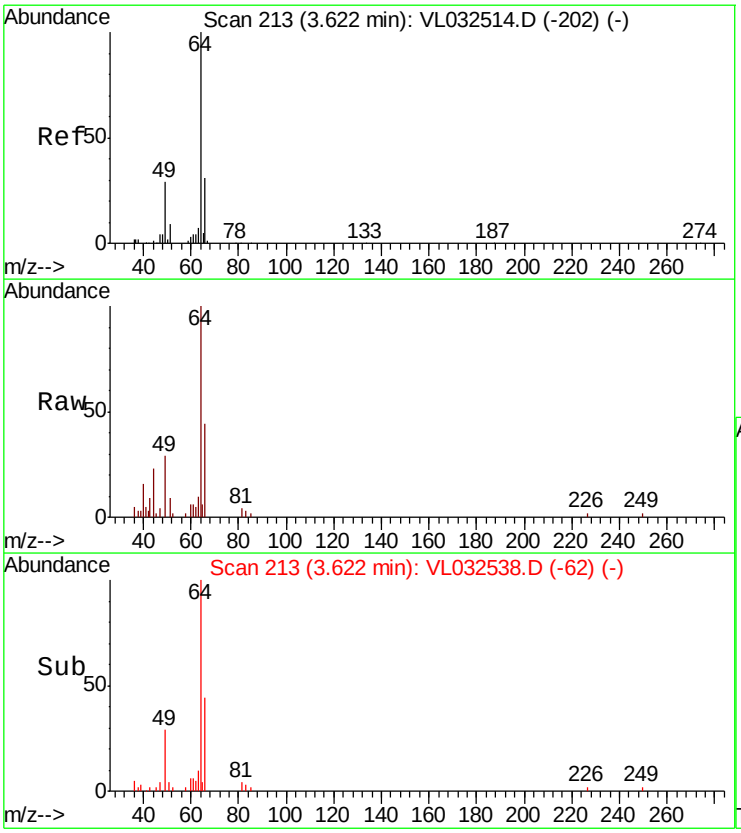
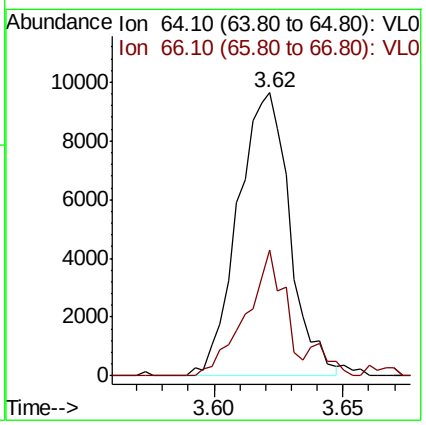
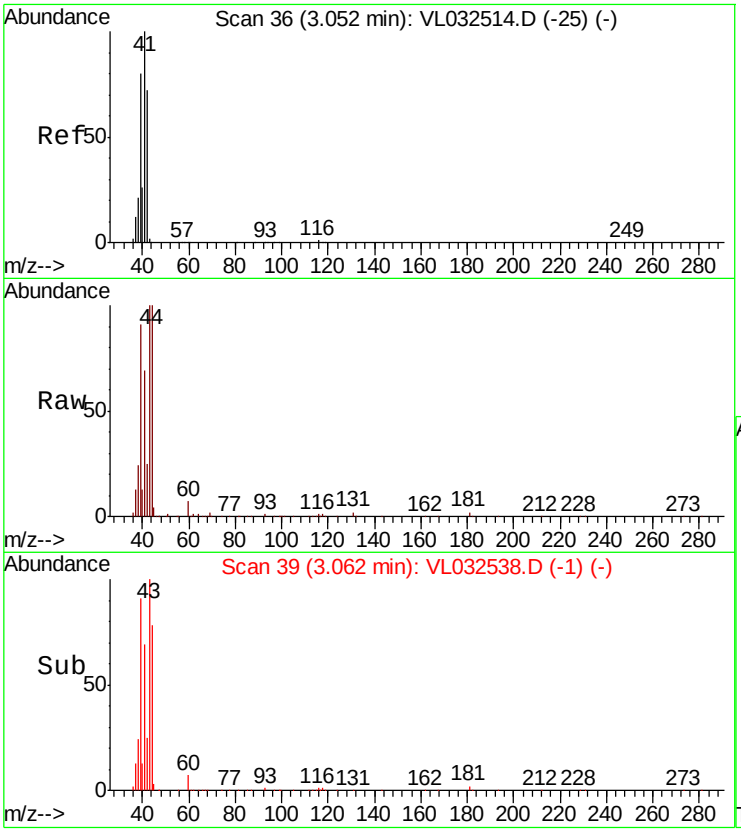


#7
Chloroethane
Concen: 0.538 ppbv
RT: 3.62 min Scan# 213
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 64 Resp: 13570

Ion	Ratio	Lower	Upper
64	100		
66	42.1	25.8	38.6#





#9
Propene
Concen: 3.955 ppbv m
RT: 3.06 min Scan# 39
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 41 Resp: 206036

Ion	Ratio	Lower	Upper
41	100		
42	227.6	56.6	84.8#

Instrument :
MSVOA_L
ClientSampleId :
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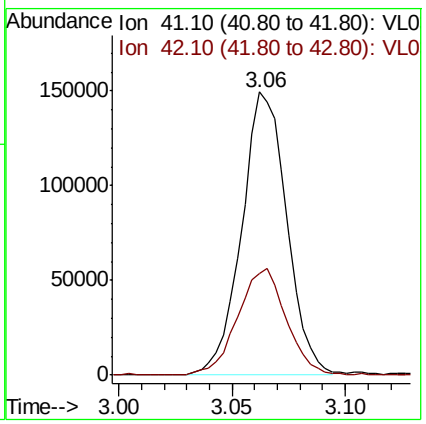
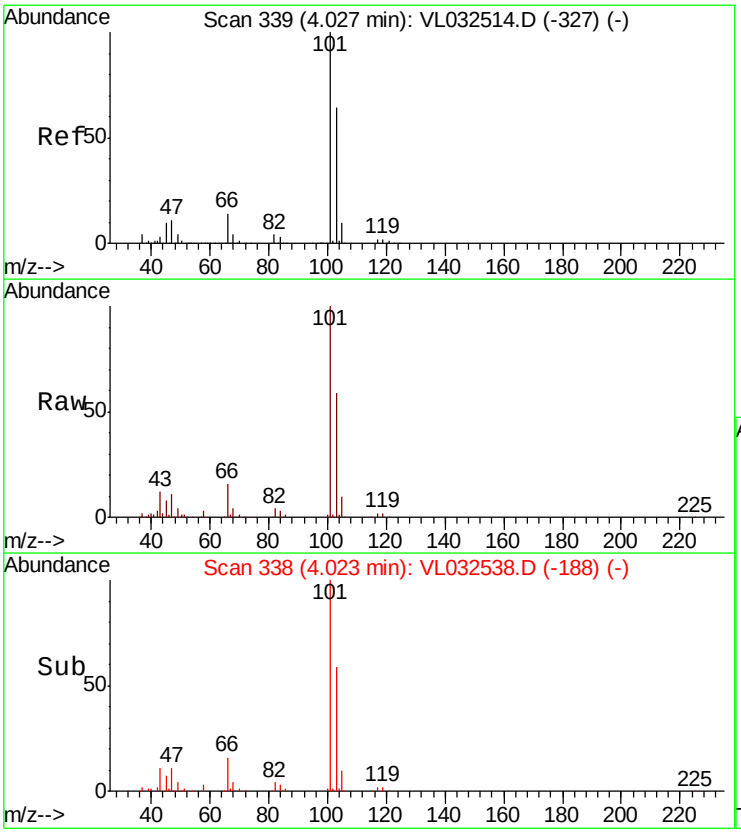
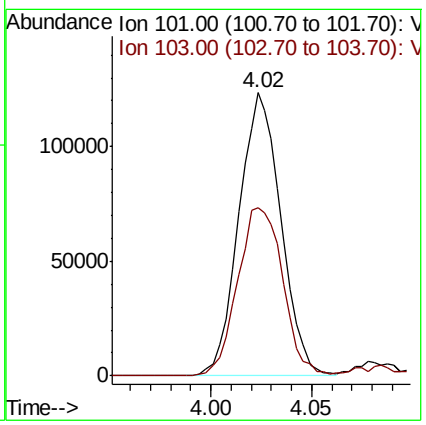


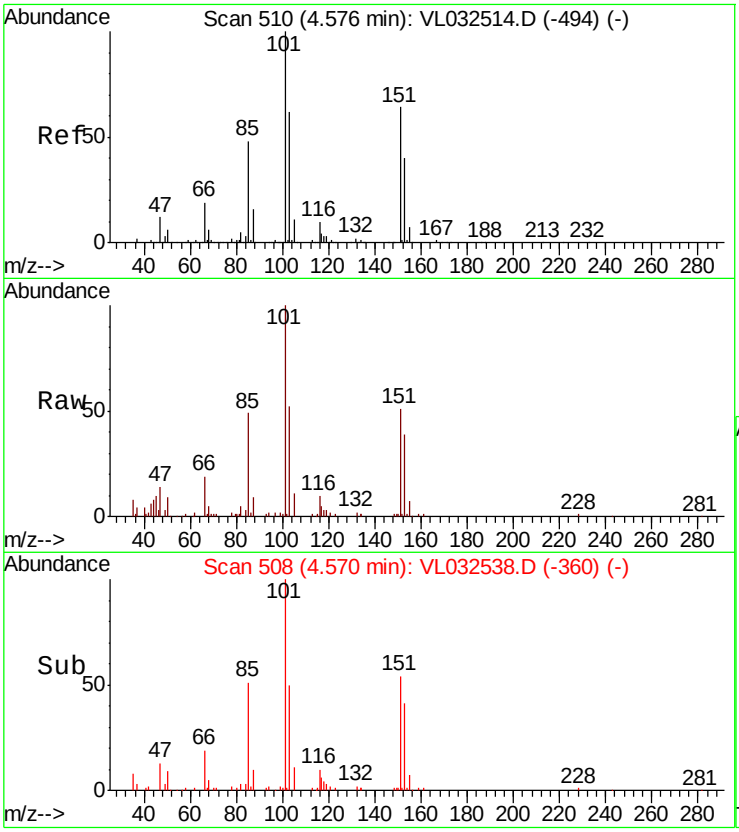


#11
Trichlorofluoromethane
Concen: 1.138 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:101 Resp: 180615

Ion	Ratio	Lower	Upper
101	100		
103	59.2	52.8	79.2





#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.612 ppbv
RT: 4.57 min Scan# 508
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:101 Resp: 79408

Ion	Ratio	Lower	Upper
101	100		
151	62.6	52.6	78.8

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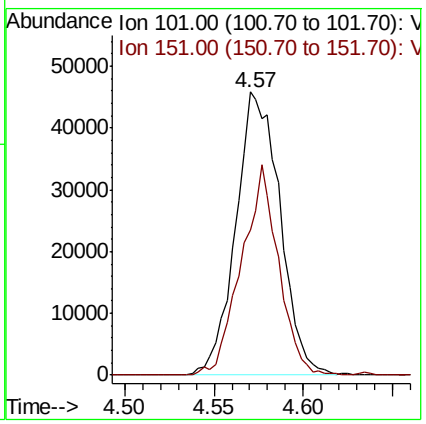
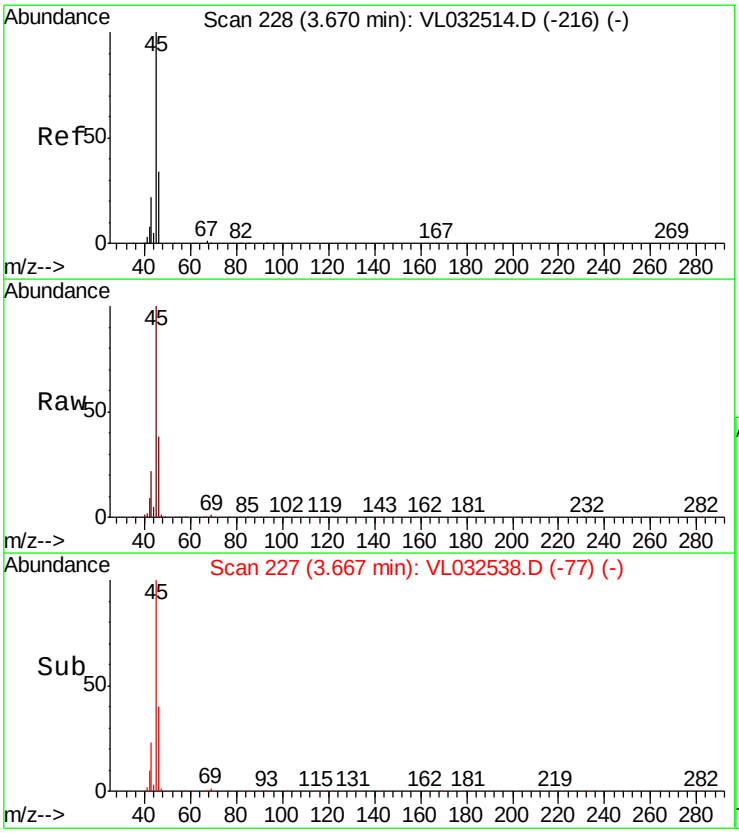
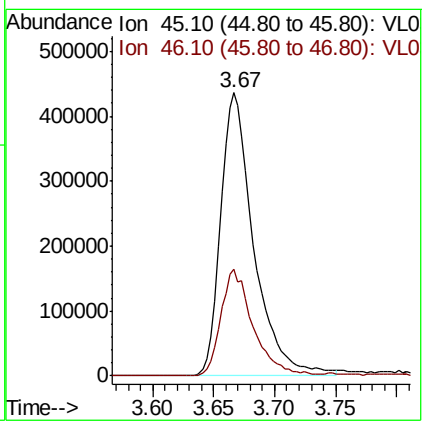


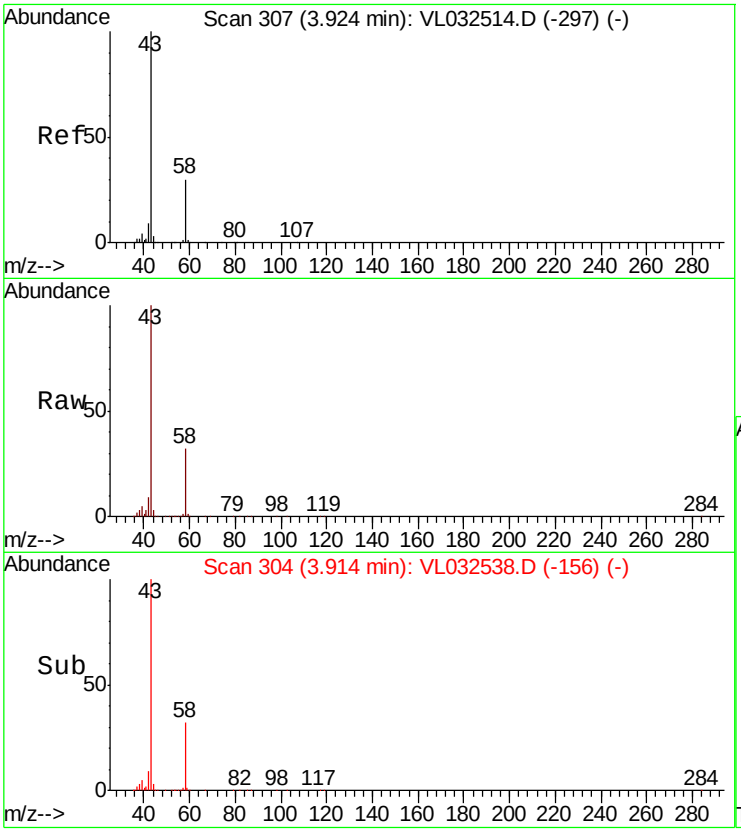


#13
Ethanol
Concen: 53.055 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 45 Resp: 830849

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.2	56.8

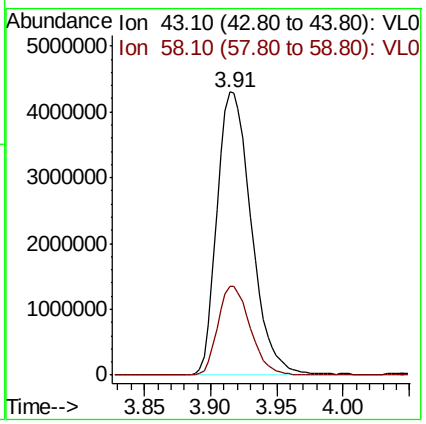




#15
Acetone
Concen: 61.080 ppbv
RT: 3.91 min Scan# 304
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 43 Resp: 7741652

Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.6	33.8



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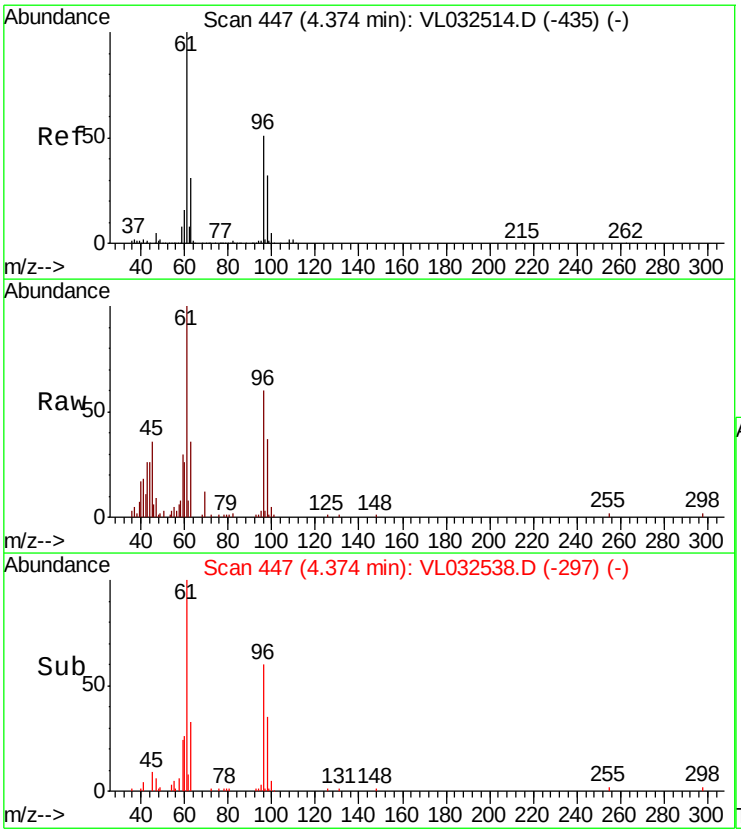
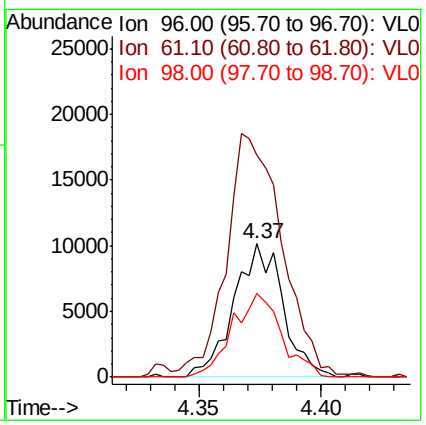
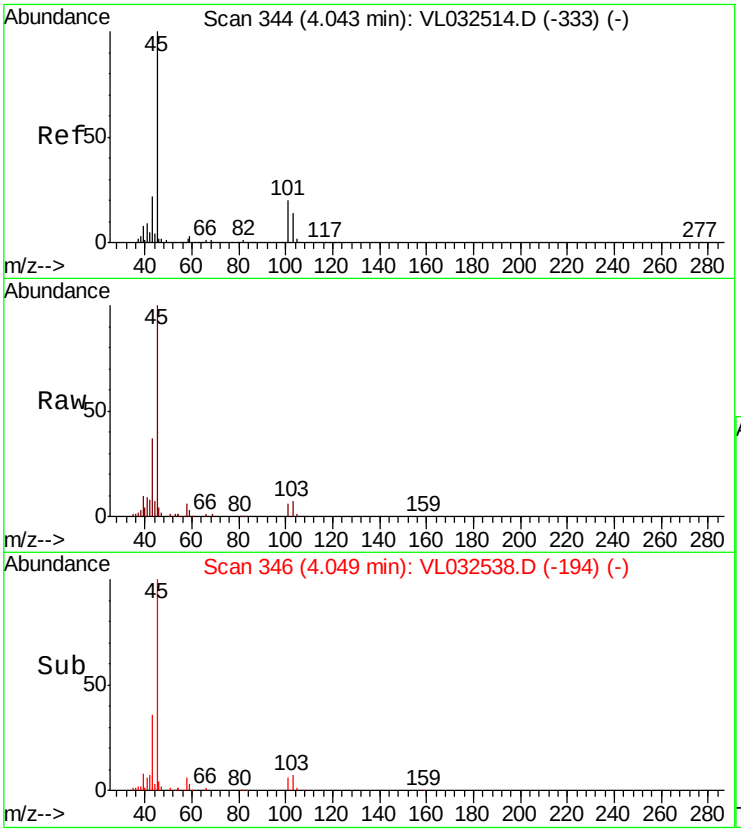


#18
1,1-Dichloroethene
Concen: 0.233 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 96 Resp: 14149

Ion	Ratio	Lower	Upper
96	100		
61	164.0	159.2	238.8
98	62.3	51.0	76.4





#19
Isopropyl Alcohol
Concen: 1.322 ppbv
RT: 4.05 min Scan# 346
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 45 Resp: 116675

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

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ClientSampleId :
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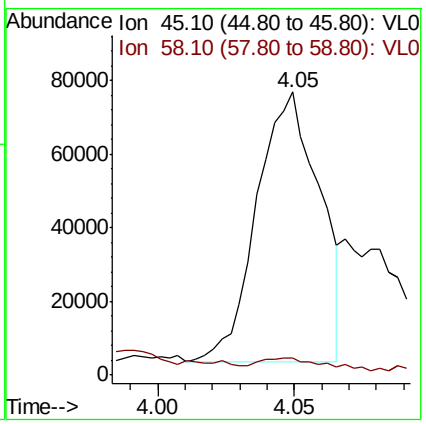
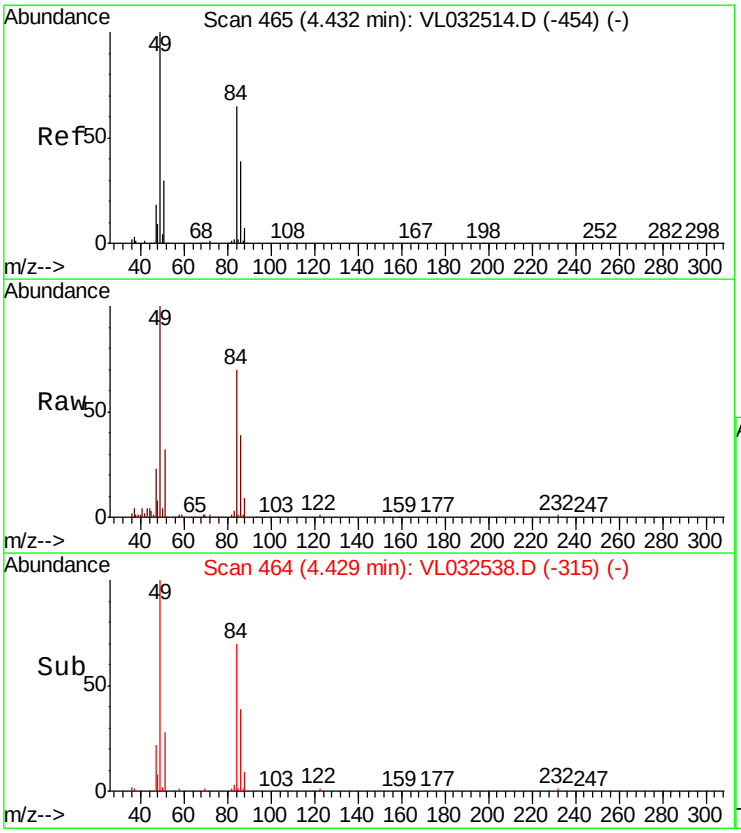
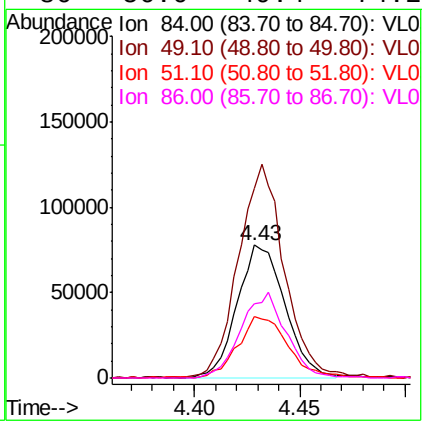


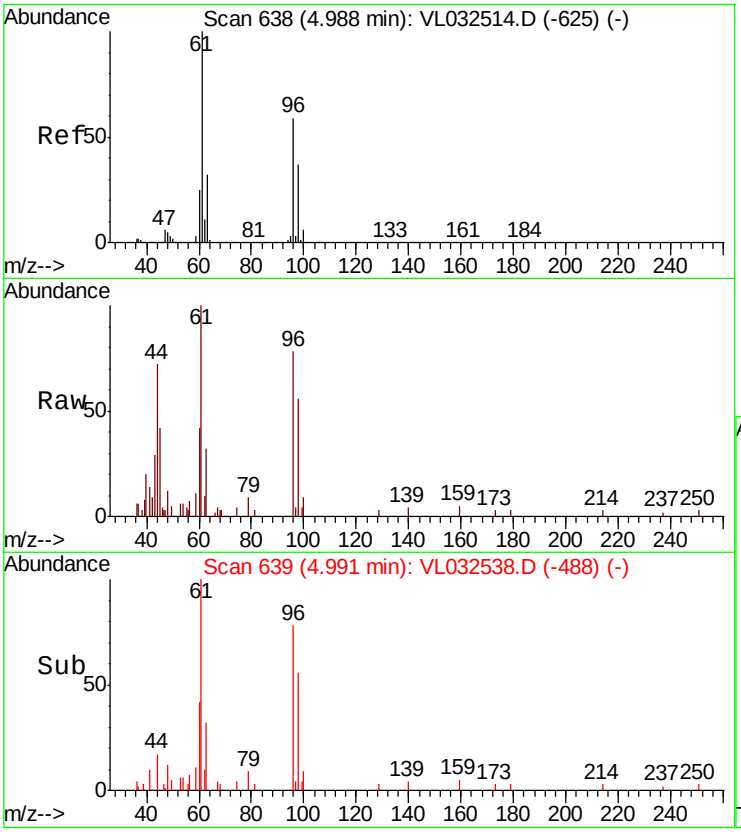


#20
Methylene Chloride
Concen: 1.986 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 84 Resp: 121873

Ion	Ratio	Lower	Upper
84	100		
49	142.1	119.1	178.7
51	45.1	35.2	52.8
86	56.0	49.4	74.2

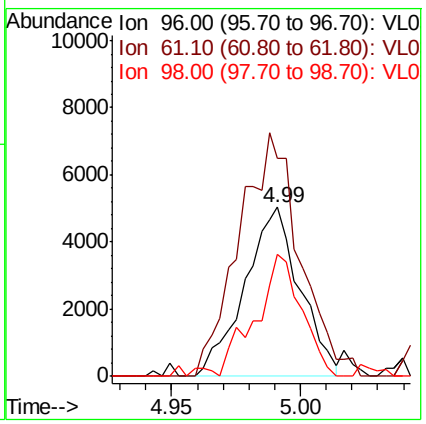




#22
trans-1,2-Dichloroethene
Concen: 0.131 ppbv
RT: 4.99 min Scan# 639
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 96 Resp: 7509

Ion	Ratio	Lower	Upper
96	100		
61	129.0	136.2	204.4#
98	72.2	50.4	75.6



Instrument :
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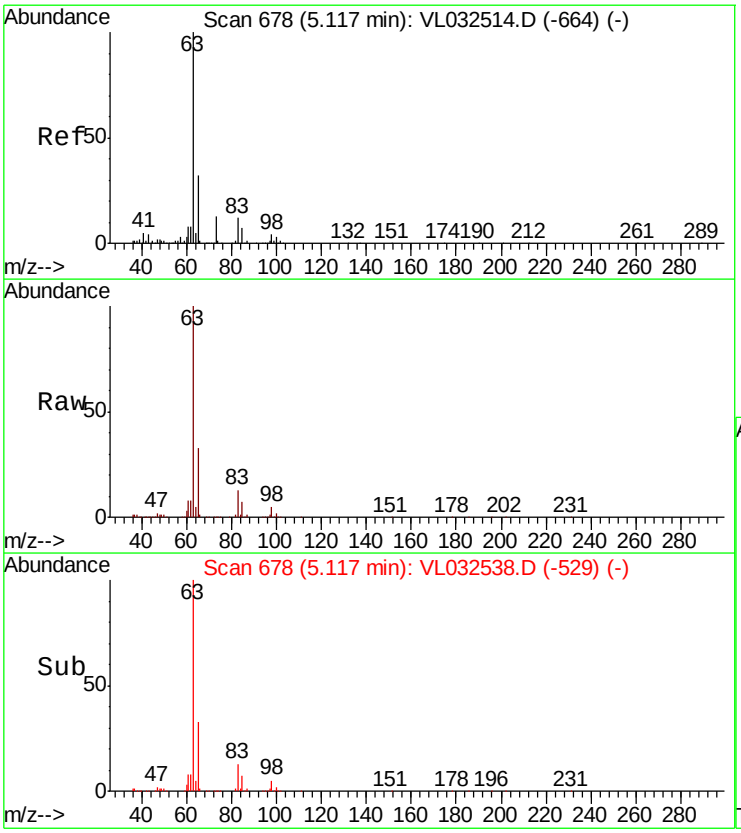
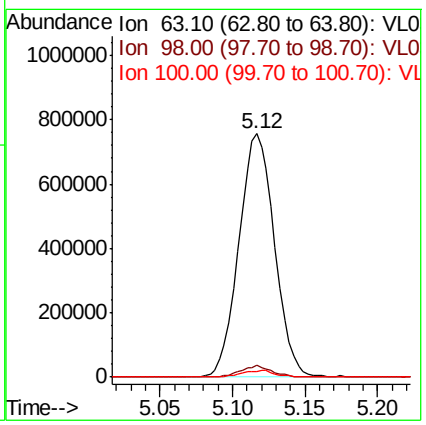
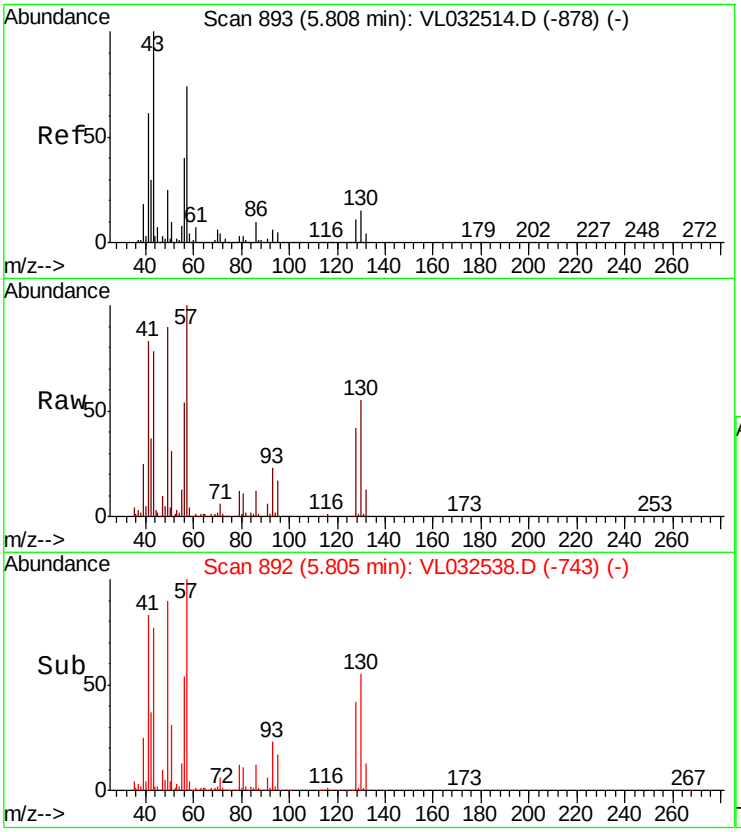


#24
1,1-Dichloroethane
Concen: 6.925 ppbv
RT: 5.12 min Scan# 678
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 63 Resp: 1291562

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.5	1.5	4.4

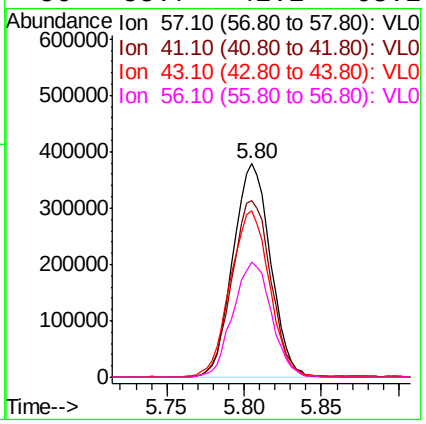




#26
Hexane
Concen: 4.575 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 57 Resp: 635561

Ion	Ratio	Lower	Upper
57	100		
41	86.4	69.0	103.4
43	82.1	172.1	258.1#
56	55.7	42.2	63.2



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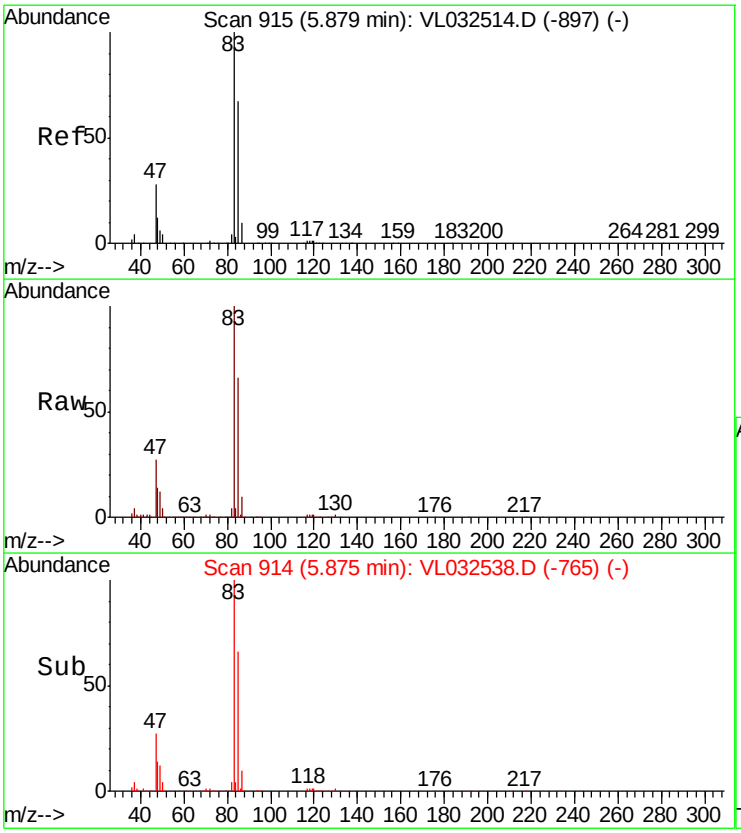
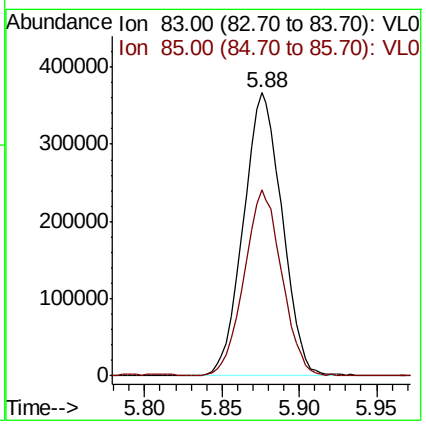
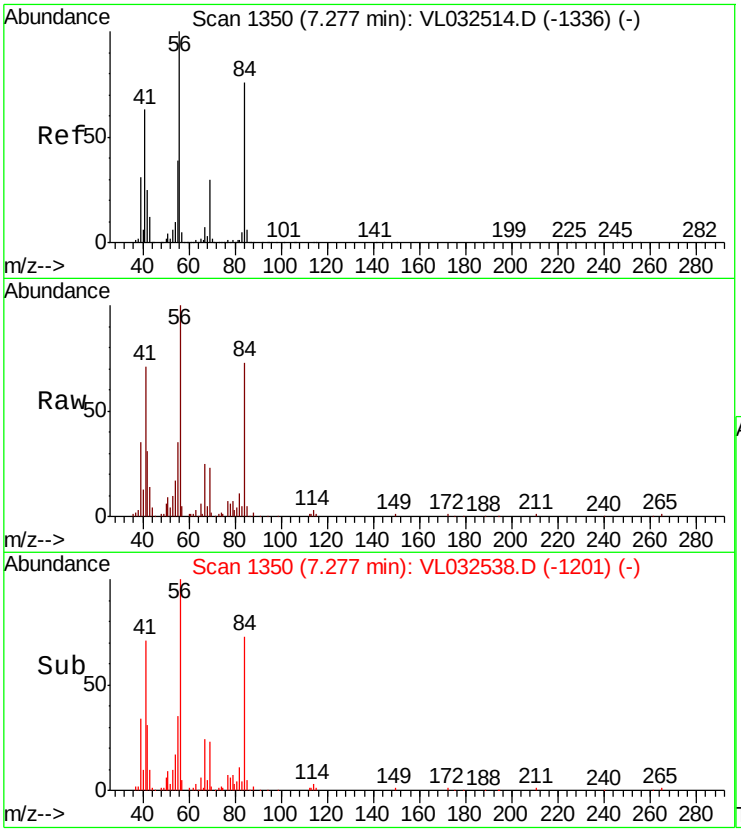


#29
Chloroform
Concen: 2.998 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 83 Resp: 639032

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7

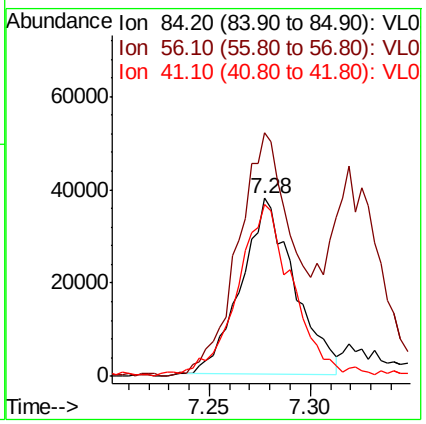




#30
Cyclohexane
Concen: 0.612 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 84 Resp: 69246

Ion	Ratio	Lower	Upper
84	100		
56	149.6	113.5	170.3
41	99.3	68.1	102.1



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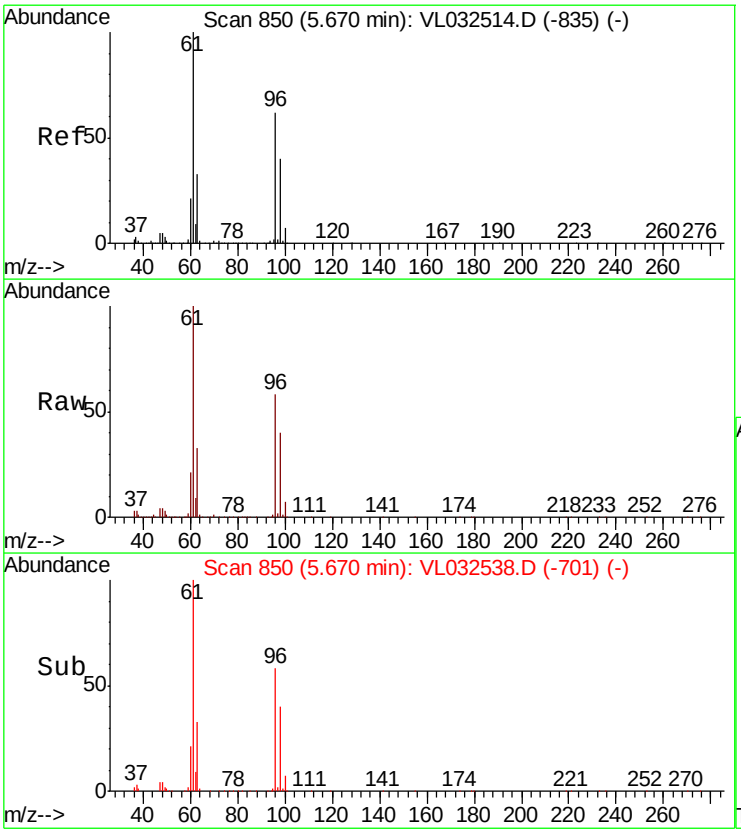
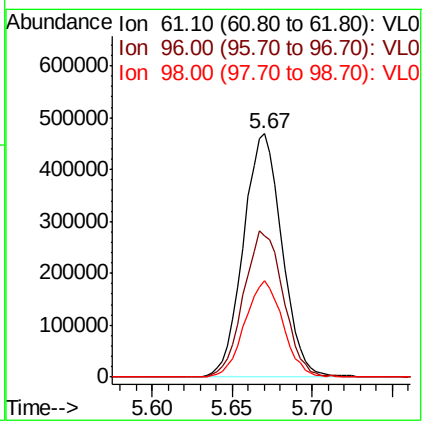
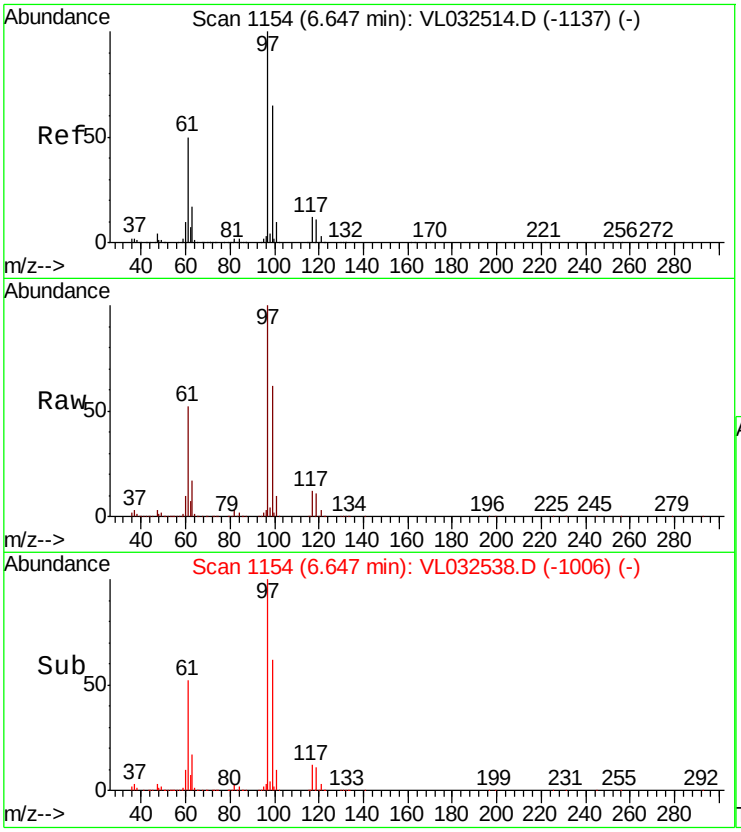


#31
cis-1,2-Dichloroethene
Concen: 5.842 ppbv
RT: 5.67 min Scan# 850
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 61 Resp: 772929

Ion	Ratio	Lower	Upper
61	100		
96	57.8	49.2	73.8
98	39.7	30.7	46.1

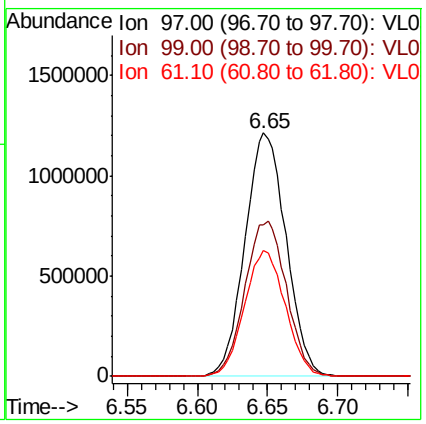




#32
1,1,1-Trichloroethane
Concen: 10.878 ppbv
RT: 6.65 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 97 Resp: 2470909

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	51.6	42.5	63.7



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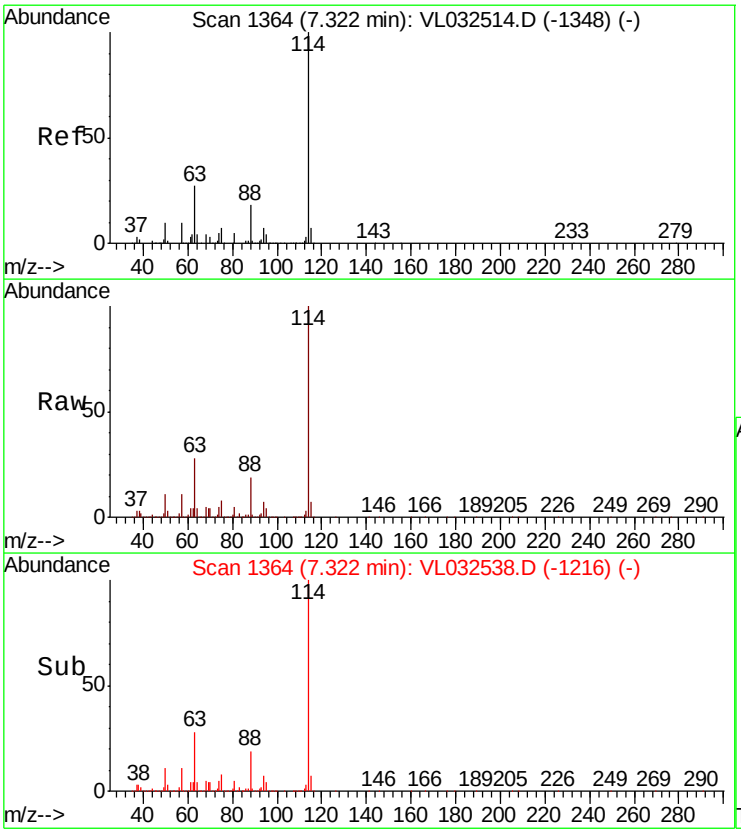
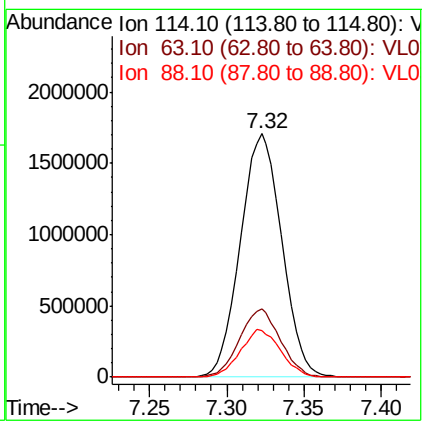
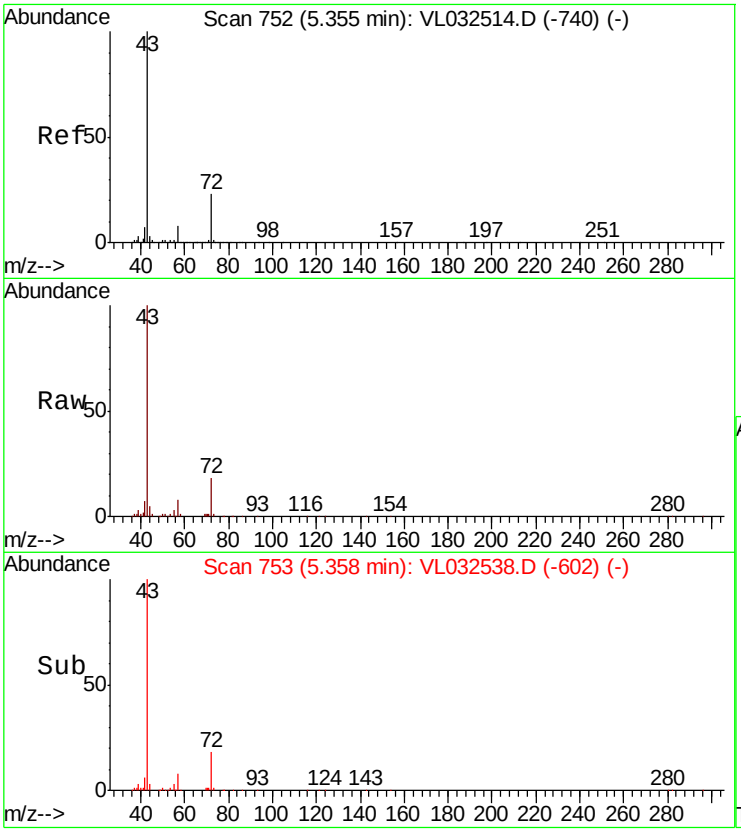


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:114 Resp: 3182338

Ion	Ratio	Lower	Upper
114	100		
63	27.7	22.2	33.4
88	18.9	15.0	22.4

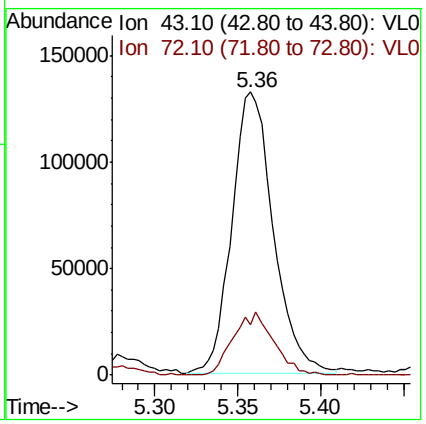




#34
2-Butanone
Concen: 1.207 ppbv
RT: 5.36 min Scan# 753
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 43 Resp: 228787

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.8	26.6



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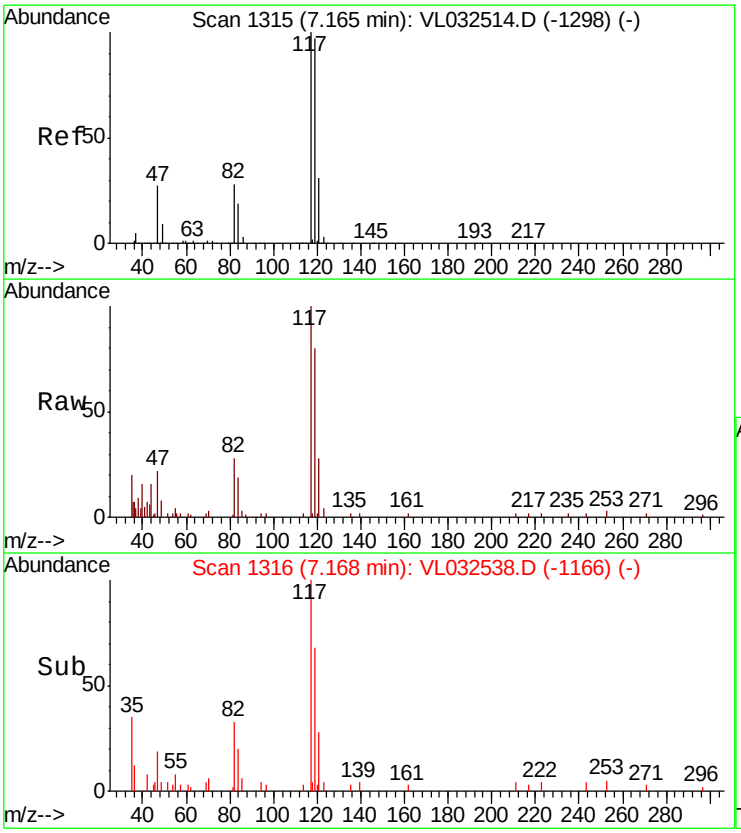
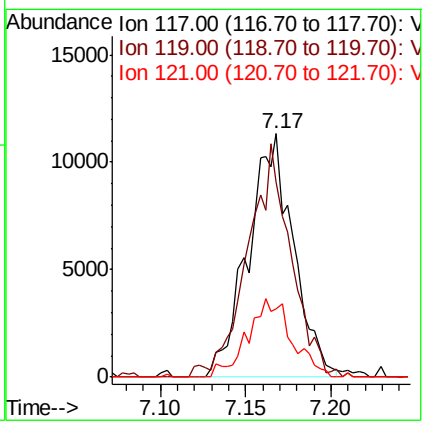
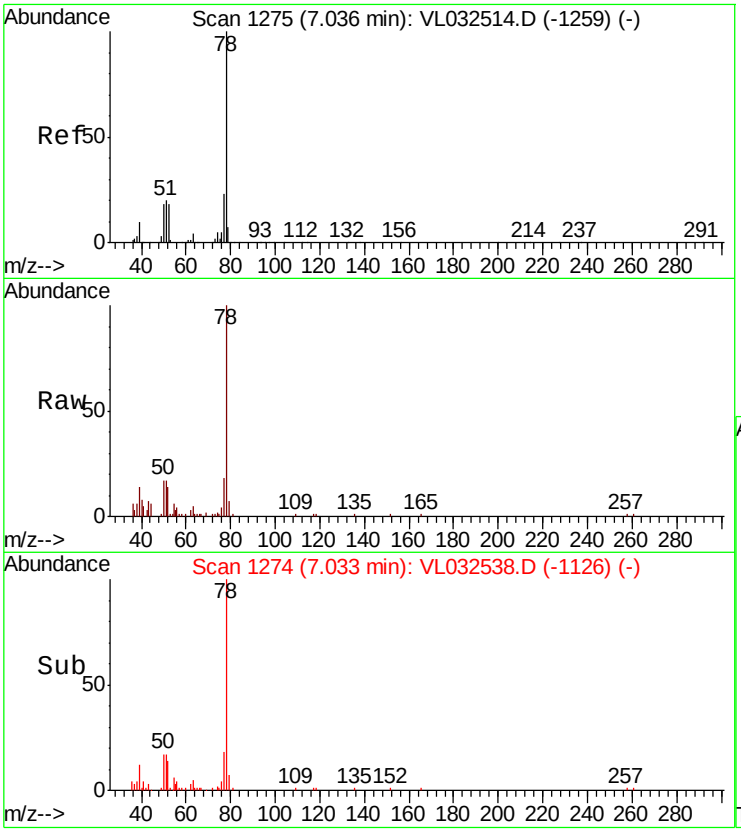


#35
Carbon Tetrachloride
Concen: 0.094 ppbv m
RT: 7.17 min Scan# 1316
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:117 Resp: 20878

Ion	Ratio	Lower	Upper
117	100		
119	80.0	76.6	115.0
121	28.1	24.6	36.8

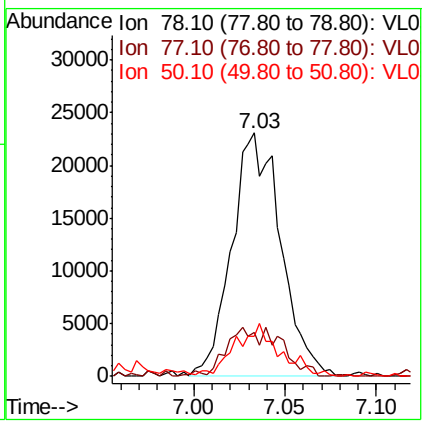




#36
Benzene
Concen: 0.167 ppbv m
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 78 Resp: 42948

Ion	Ratio	Lower	Upper
78	100		
77	17.8	18.4	27.6#
50	16.6	14.4	21.6



Instrument :
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ClientSampleId :
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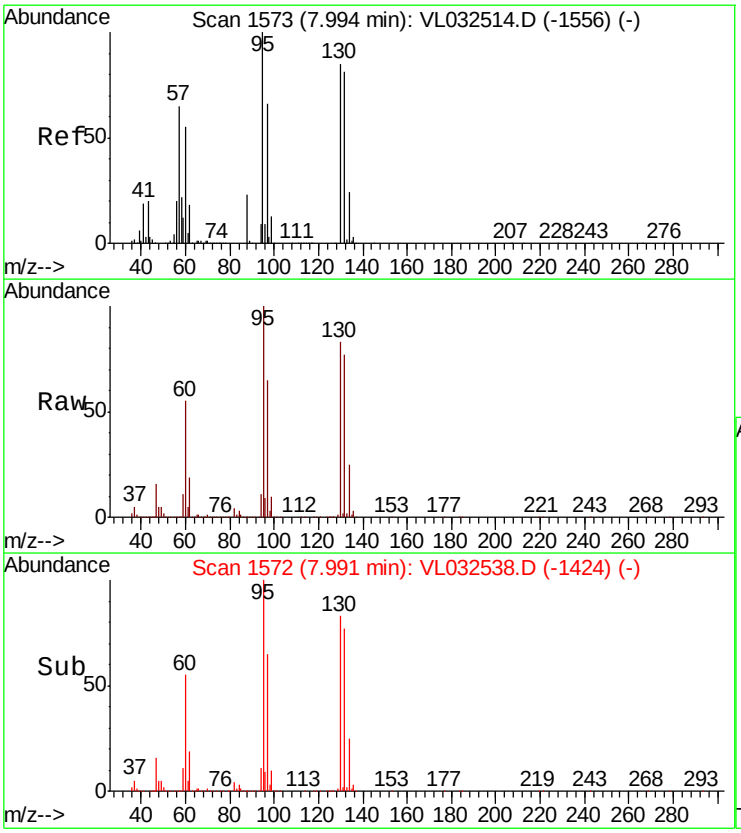
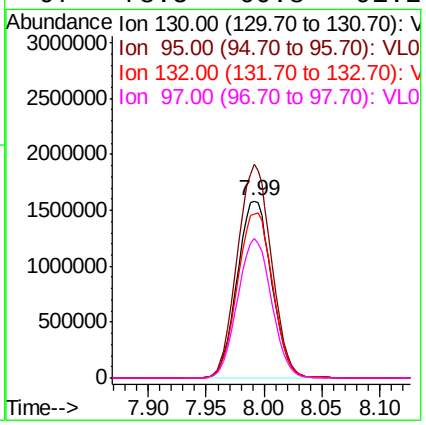
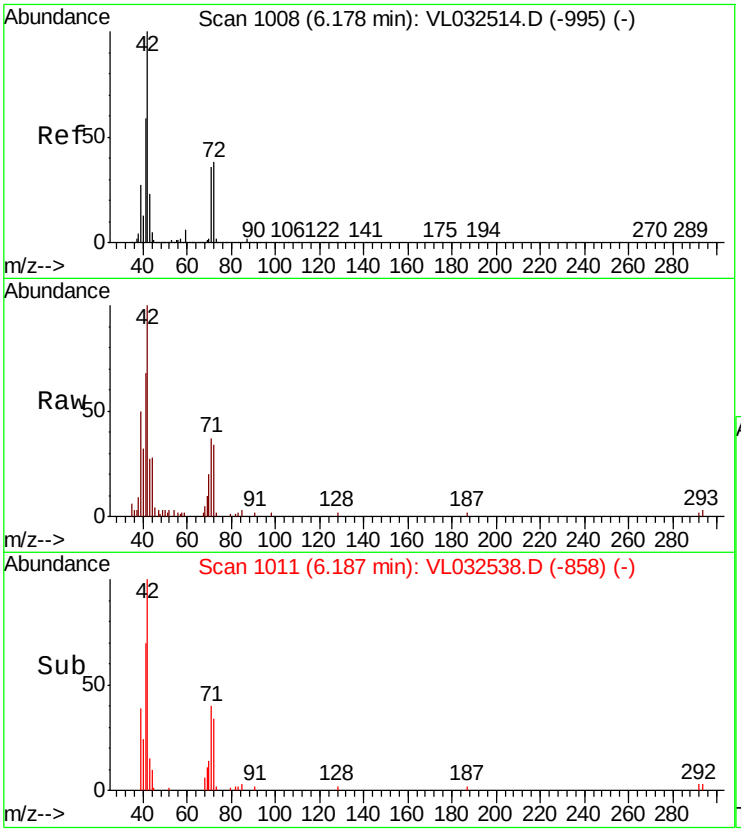


#38
Trichloroethene
Concen: 33.191 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:130 Resp: 3267298

Ion	Ratio	Lower	Upper
130	100		
95	120.5	94.2	141.4
132	92.6	76.2	114.4
97	78.5	60.8	91.2

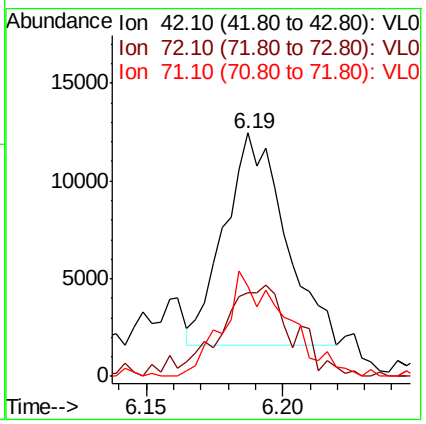




#41
Tetrahydrofuran
Concen: 0.163 ppbv
RT: 6.19 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 42 Resp: 16754

Ion	Ratio	Lower	Upper
42	100		
72	52.7	29.5	44.3#
71	51.5	28.3	42.5#



Instrument :
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ClientSampleId :
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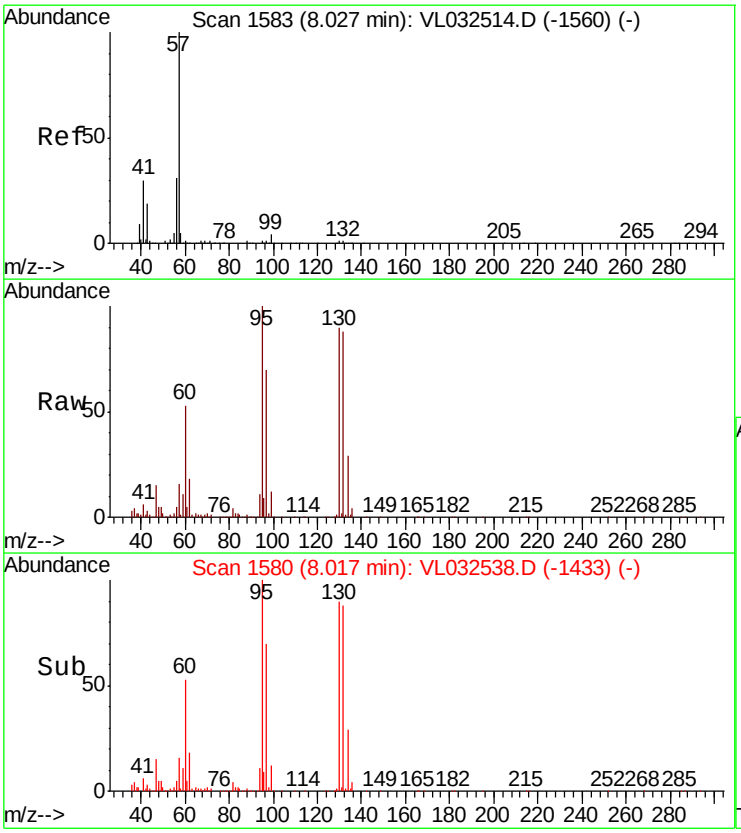
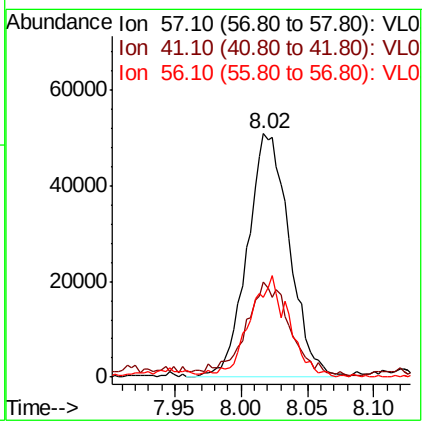
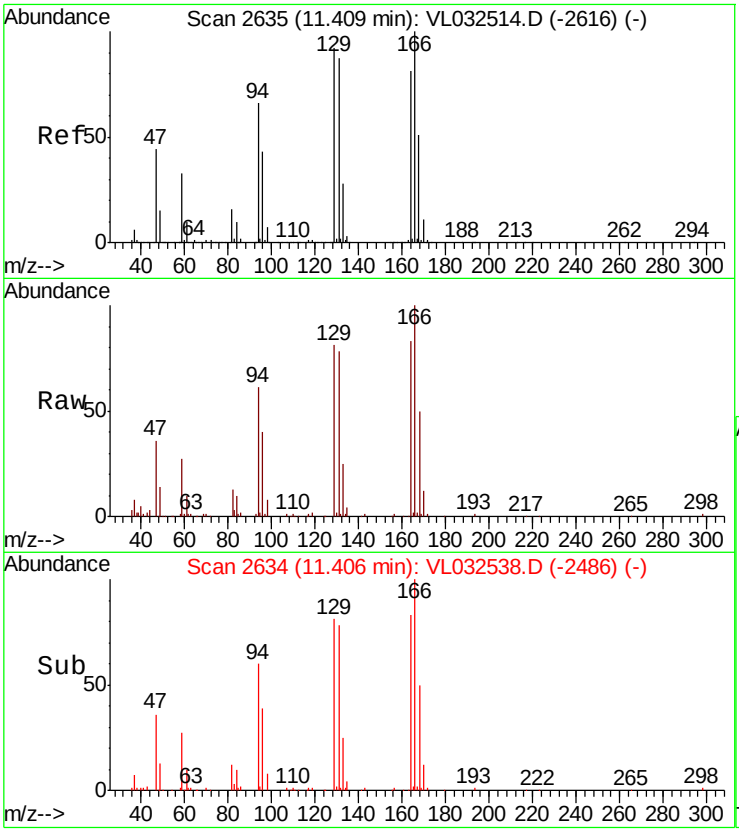


#44
2,2,4-Trimethylpentane
Concen: 0.222 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. -0.03 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 57 Resp: 111706

Ion	Ratio	Lower	Upper
57	100		
41	40.7	24.4	36.6#
56	39.4	25.7	38.5#

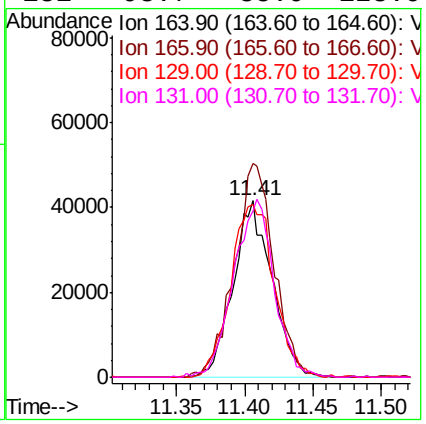




#52
Tetrachloroethene
Concen: 0.918 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:164 Resp: 82175

Ion	Ratio	Lower	Upper
164	100		
166	121.2	100.6	150.8
129	97.8	89.9	134.9
131	93.7	85.9	128.9



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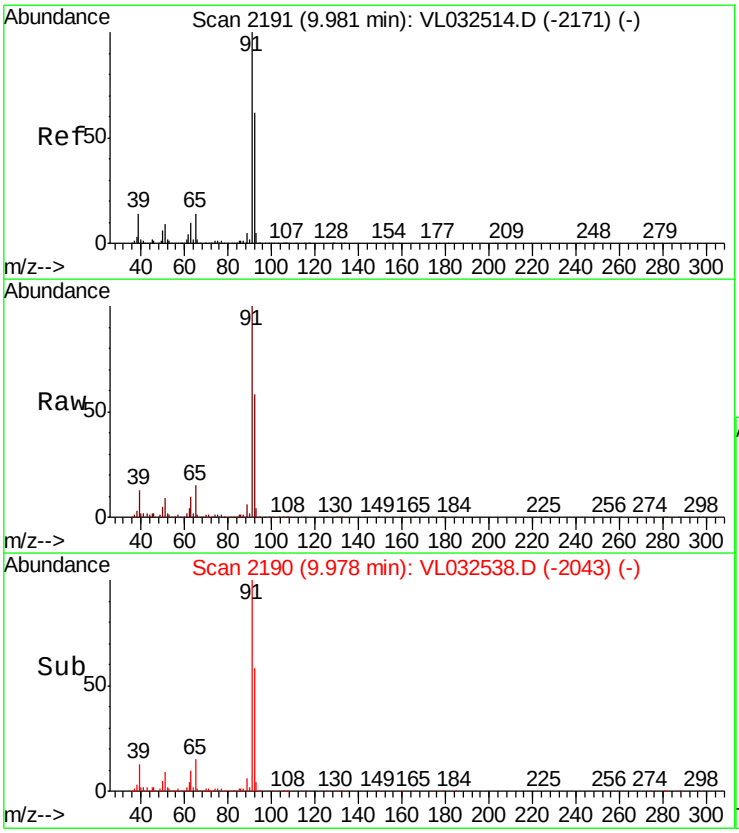
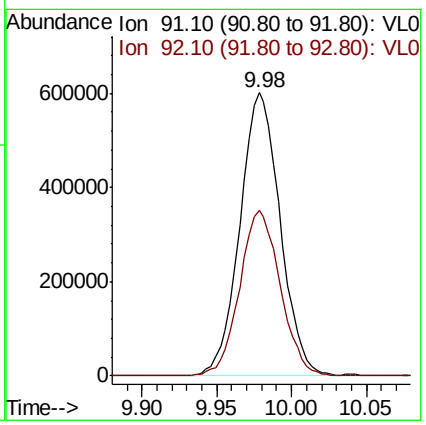
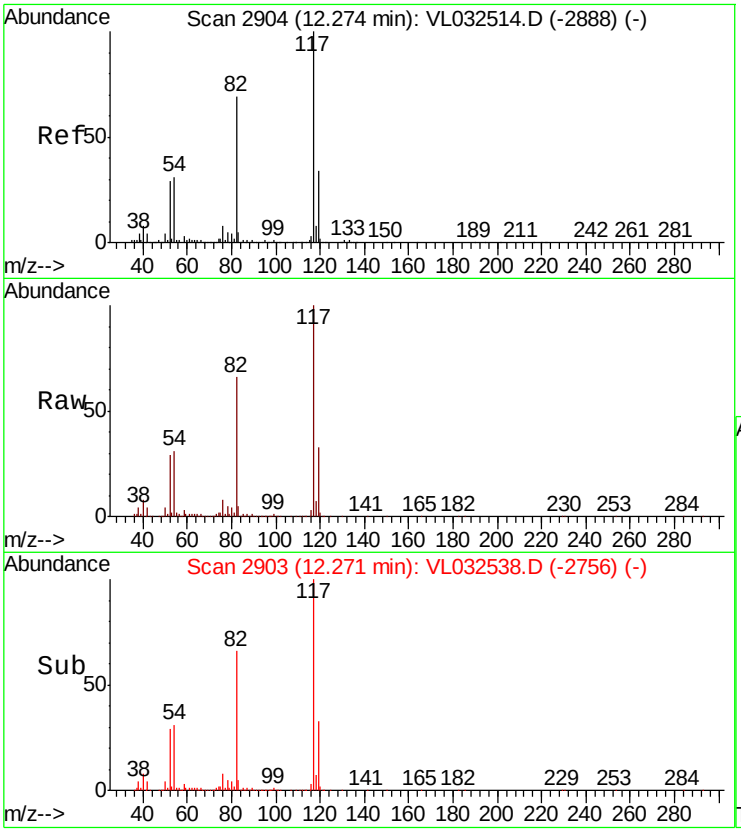


#53
Toluene
Concen: 3.590 ppbv
RT: 9.98 min Scan# 2190
Delta R.T. -0.03 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 91 Resp: 1124998

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.1	72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:117 Resp: 3038550

Ion	Ratio	Lower	Upper
117	100		
82	67.1	53.0	79.6
119	32.3	45.9	68.9#

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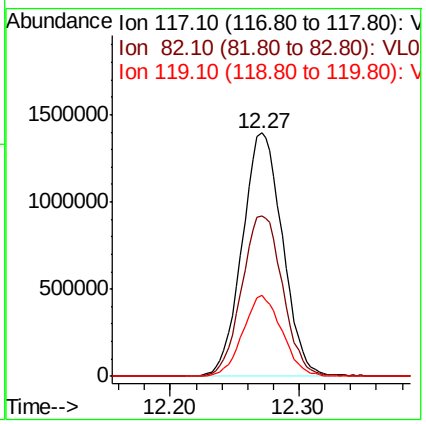
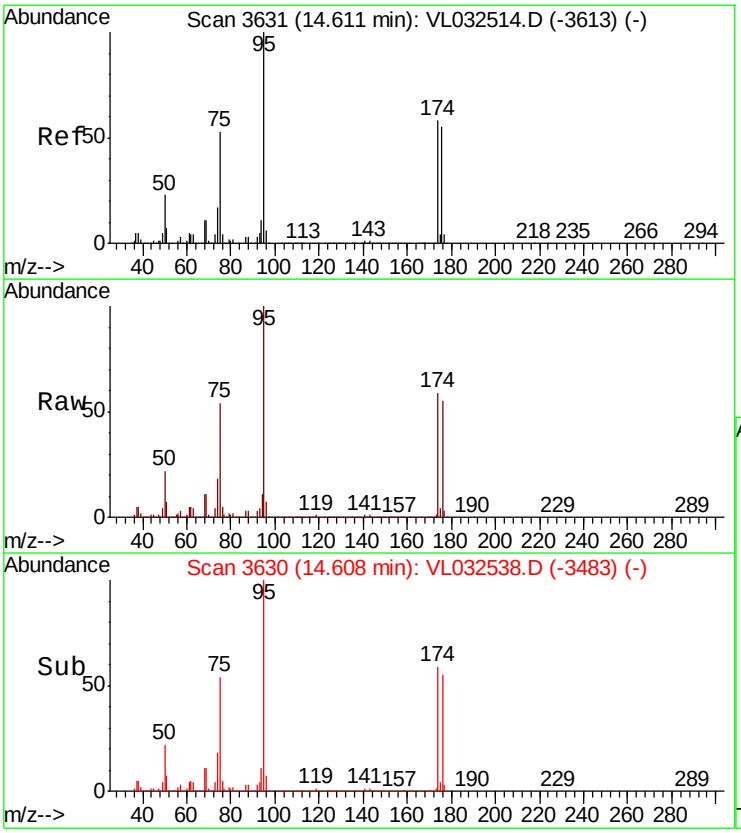
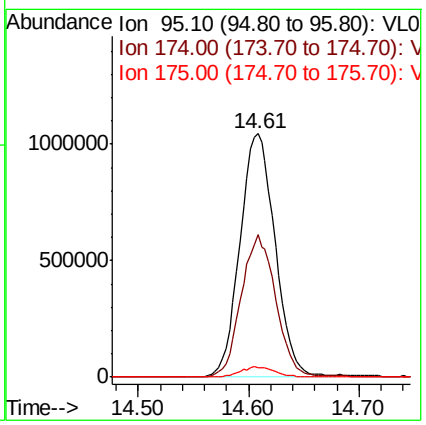


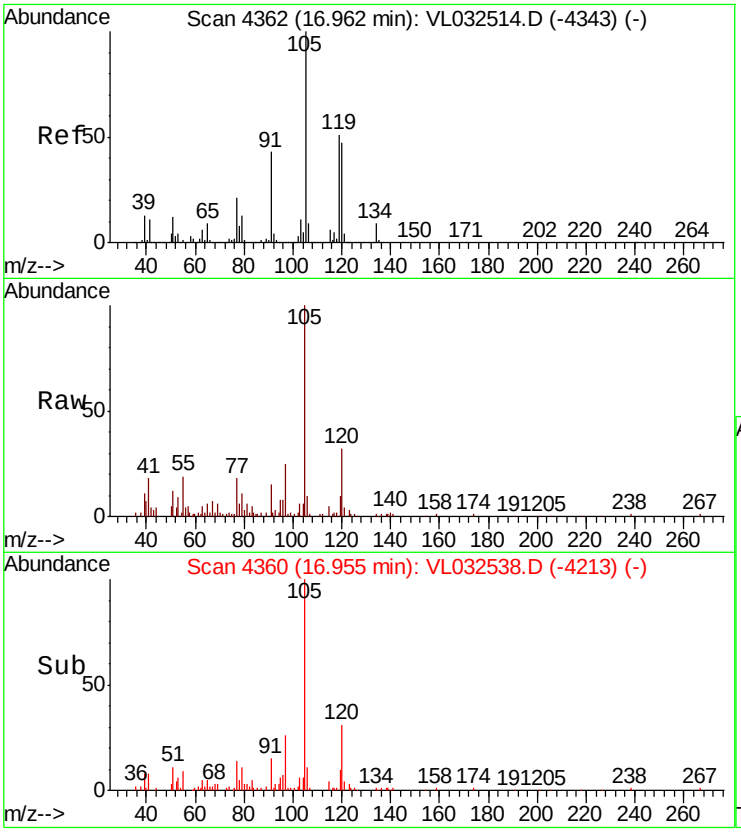


#68
1-Bromo-4-Fluorobenzene
Concen: 10.072 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion: 95 Resp: 2307828

Ion	Ratio	Lower	Upper
95	100		
174	58.1	46.3	69.5
175	4.1	3.4	5.0

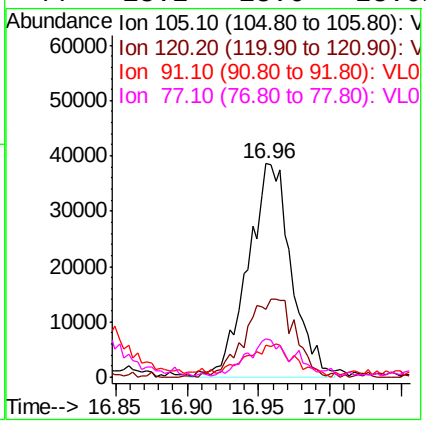




#74
1,2,4-Trimethylbenzene
Concen: 0.225 ppbv m
RT: 16.96 min Scan# 4360
Delta R.T. -0.03 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:105 Resp: 81429

Ion	Ratio	Lower	Upper
105	100		
120	31.7	37.8	56.8#
91	14.7	41.4	62.0#
77	18.2	18.6	28.0#



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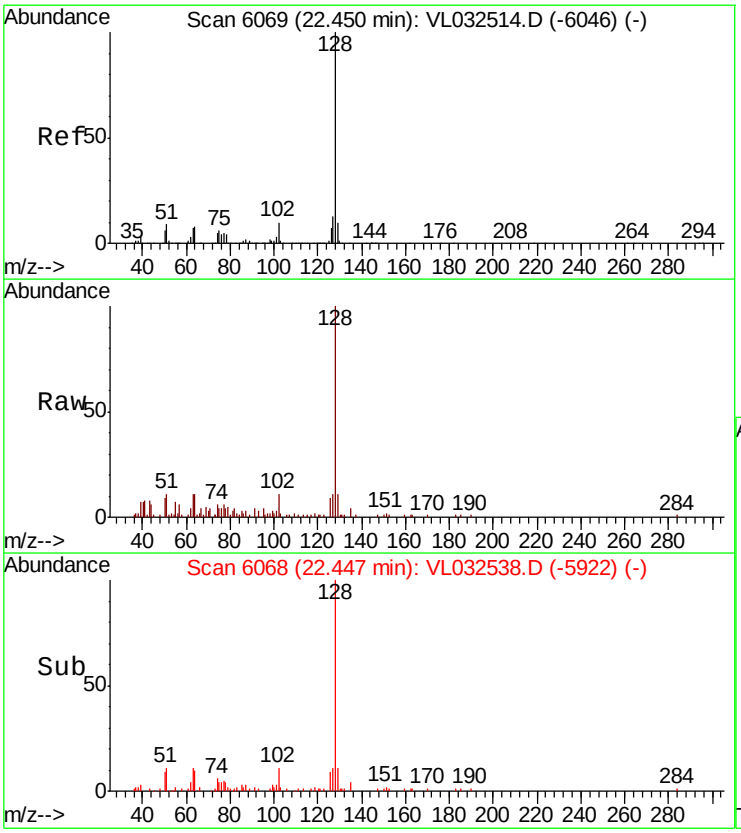
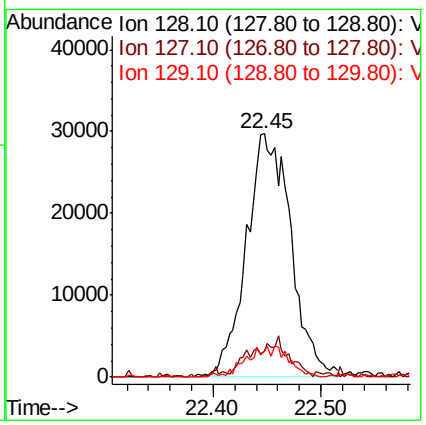
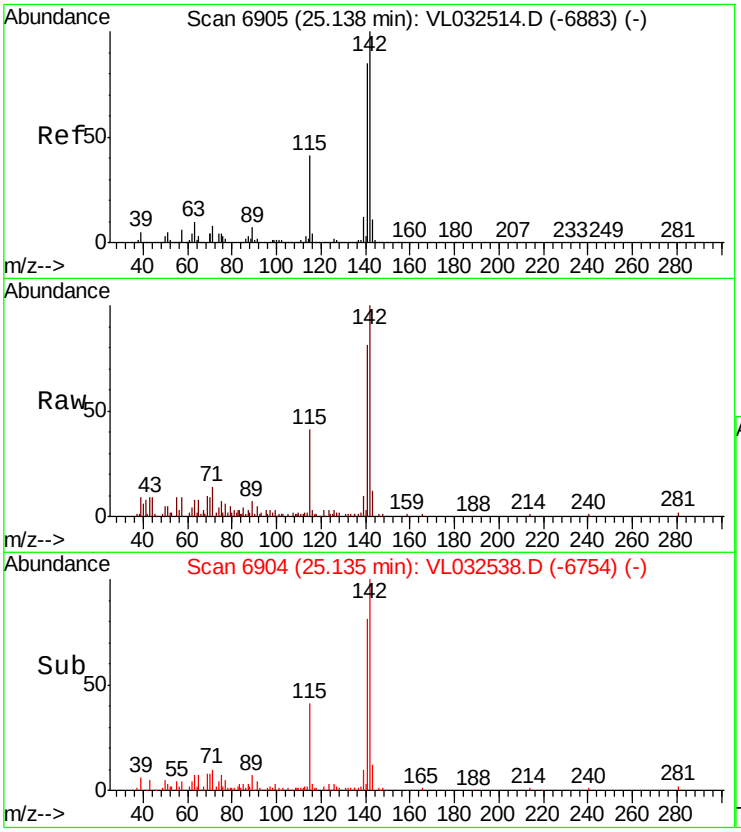


#79
Naphthalene
Concen: 0.326 ppbv m
RT: 22.45 min Scan# 6068
Delta R.T. -0.03 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:128 Resp: 85272

Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.2	15.2
129	10.8	8.5	12.7

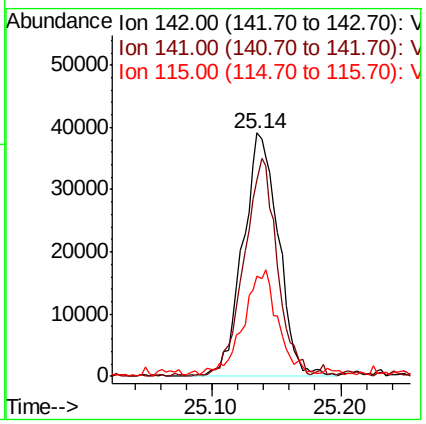




#80
Naphthalene,2-methyl-
Concen: 1.215 ppbv
RT: 25.14 min Scan# 6904
Delta R.T. -0.02 min
Lab File: VL032538.D
Acq: 25 Sep 2018 10:16

Tgt Ion:142 Resp: 74627

Ion	Ratio	Lower	Upper
142	100		
141	87.2	67.0	100.6
115	44.0	31.3	46.9



Instrument :
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ClientSampleId :
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