Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091819\
Data File : VL034184.D
Acq On : 18 Sep 2019 14:39
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 06:55:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.70	49	1181758	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	2043178	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.16	117	2231487	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.50	95	1876105	9.68	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	1408964	8.072	ppbv		99
3) Chlorodifluoromethane	2.97	51	1306363	9.428	ppbv		100
4) Chloromethane	3.13	50	783338	9.620	ppbv		92
5) Vinyl Chloride	3.25	62	693459	9.319	ppbv		96
6) Bromomethane	3.47	94	329271	9.484	ppbv		97
7) Chloroethane	3.55	64	245574	9.442	ppbv	#	87
8) Dichlorotetrafluoroethane	3.18	85	1429679	9.280	ppbv		99
9) Propene	3.00	41	647303	9.469	ppbv		100
10) Heptane	8.18	43	1710831	9.602	ppbv		100
11) Trichlorofluoromethane	3.95	101	1514120	9.529	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	990391	9.524	ppbv		99
13) Ethanol	3.60	45	143302	8.657	ppbv		96
14) Bromoethene	3.74	108	425008	9.997	ppbv		99
15) Acetone	3.85	43	1294888	8.175	ppbv		100
16) 1,3-Butadiene	3.32	39	689268	9.972	ppbv		98
17) tert-Butyl alcohol	4.30	59	1119714	11.157	ppbv		100
18) 1,1-Dichloroethene	4.30	96	445437	9.821	ppbv		91
19) Isopropyl Alcohol	3.97	45	1039793	10.676	ppbv		100
20) Methylene Chloride	4.35	84	400590	8.772	ppbv		98
21) Allyl Chloride	4.42	41	905610	10.123	ppbv		99
22) trans-1,2-Dichloroethene	4.90	96	451572	9.951	ppbv		98
23) Vinyl Acetate	5.10	43	2241373	9.603	ppbv		99
24) 1,1-Dichloroethane	5.03	63	1475832	9.391	ppbv		99
25) Ethyl Acetate	5.71	43	2734692	9.131	ppbv		100
26) Hexane	5.72	57	1149632	9.227	ppbv		99
27) Carbon Disulfide	4.56	76	1234718	10.746	ppbv		100
28) Methyl tert-Butyl Ether	5.05	73	1763350	9.530	ppbv		100
29) Chloroform	5.79	83	1723260	9.679	ppbv		99
30) Cyclohexane	7.18	84	871839	9.693	ppbv		99
31) cis-1,2-Dichloroethene	5.58	61	1251566	9.854	ppbv		99
32) 1,1,1-Trichloroethane	6.56	97	1642082	9.564	ppbv		99
34) 2-Butanone	5.27	43	1937007	9.285	ppbv		99
35) Carbon Tetrachloride	7.07	117	1633296	9.622	ppbv		99
36) Benzene	6.94	78	2093777	9.279	ppbv		100
37) 1,2-Dichloroethane	6.35	62	1560767	9.724	ppbv		100
38) Trichloroethene	7.89	130	705019	8.744	ppbv		98
39) 1,2-Dichloropropane	7.67	63	942067	9.292	ppbv		98
40) 1,4-Dioxane	7.88	88	319605	9.741	ppbv	#	92
41) Tetrahydrofuran	6.08	42	1167985	9.940	ppbv		99
42) Bromodichloromethane	7.85	83	1899299	9.860	ppbv		100
43) Methyl Methacrylate	8.07	69	947849	10.168	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091819\
Data File : VL034184.D
Acq On : 18 Sep 2019 14:39
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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9/20/2019 12:37:13 AM

Quant Time: Sep 19 06:55:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3918320	9.020	ppbv		100
45) t-1,3-Dichloropropene	9.34	75	1243739	11.284	ppbv		95
46) cis-1,3-Dichloropropene	8.76	75	1391093	10.492	ppbv		96
47) 1,1,2-Trichloroethane	9.55	97	857176	9.415	ppbv		97
48) Dibromochloromethane	10.37	129	1421630	9.852	ppbv		99
49) Bromoform	13.13	173	1199470	10.272	ppbv		99
50) 4-Methyl-2-Pentanone	8.80	43	2843468	9.365	ppbv		98
51) 2-Hexanone	10.20	43	2448891	9.611	ppbv	#	100
52) Tetrachloroethene	11.30	164	666001	8.933	ppbv		97
53) Toluene	9.87	91	2378162	9.643	ppbv		99
54) 1,2-Dibromoethane	10.69	107	1283265	9.478	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.20	131	914756	9.192	ppbv	#	57
57) Chlorobenzene	12.22	112	1677142	8.632	ppbv		98
58) Ethyl Benzene	12.79	91	3224901	8.957	ppbv		100
59) m/p-Xylene	13.07	91	5279655m	17.704	ppbv		
60) o-Xylene	13.77	91	2619198	8.783	ppbv		99
61) Styrene	13.61	104	1964997	9.199	ppbv		99
62) Isopropylbenzene	14.75	105	3381970	8.761	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1941206	7.939	ppbv		99
64) n-propylbenzene	15.64	120	868551	8.893	ppbv		90
65) tert-Butylbenzene	16.83	119	2880787	8.541	ppbv		99
66) Benzyl Chloride	17.08	91	1445484	12.113	ppbv		99
67) sec-Butylbenzene	17.38	105	4169914	8.645	ppbv		100
69) p-Isopropyltoluene	17.74	119	3401876	8.710	ppbv		100
70) n-Butylbenzene	18.64	91	3882113	8.536	ppbv		99
71) 2-Chlorotoluene	15.54	91	2814302	8.923	ppbv		100
72) 4-Ethyltoluene	15.92	105	3022083	8.970	ppbv		100
73) 1,3,5-Trimethylbenzene	16.08	105	2889076	8.876	ppbv		97
74) 1,2,4-Trimethylbenzene	16.85	105	2915441	8.436	ppbv		93
75) 1,3-Dichlorobenzene	17.09	146	1596900	8.612	ppbv		99
76) 1,4-Dichlorobenzene	17.23	146	1616834	8.514	ppbv		99
77) 1,2-Dichlorobenzene	17.91	146	1594731	8.497	ppbv		100
78) Hexachloro-1,3-Butadiene	23.46	225	1188618	9.562	ppbv		98
79) Naphthalene	22.32	128	2647931	8.703	ppbv		95
80) Naphthalene,2-methyl-	25.05	142	1433983	10.135	ppbv		99
81) 1,2,4-Trichlorobenzene	22.04	180	1437502	8.529	ppbv		100

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

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091819\
Data File : VL034184.D
Acq On : 18 Sep 2019 14:39
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 06:55:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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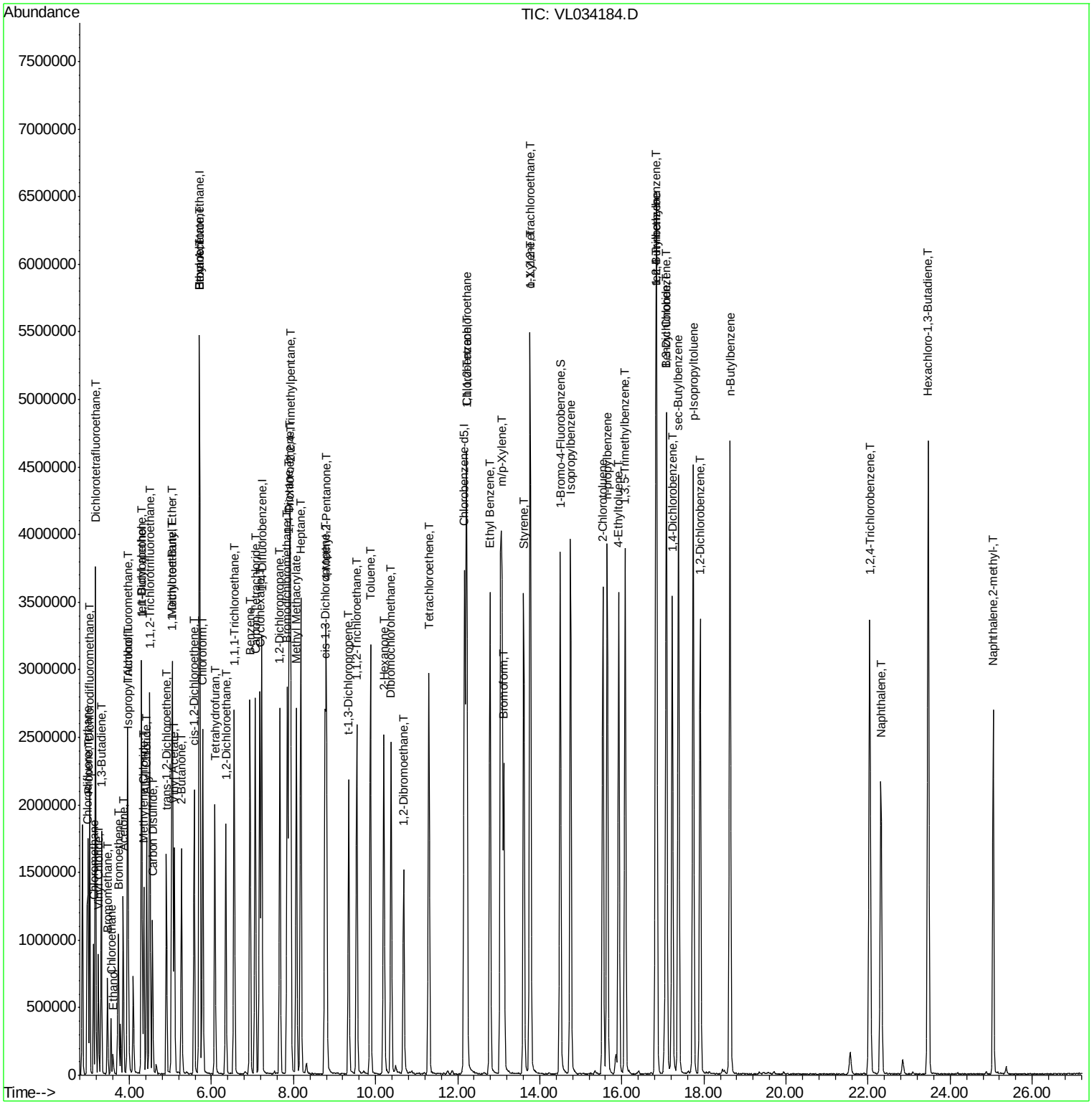
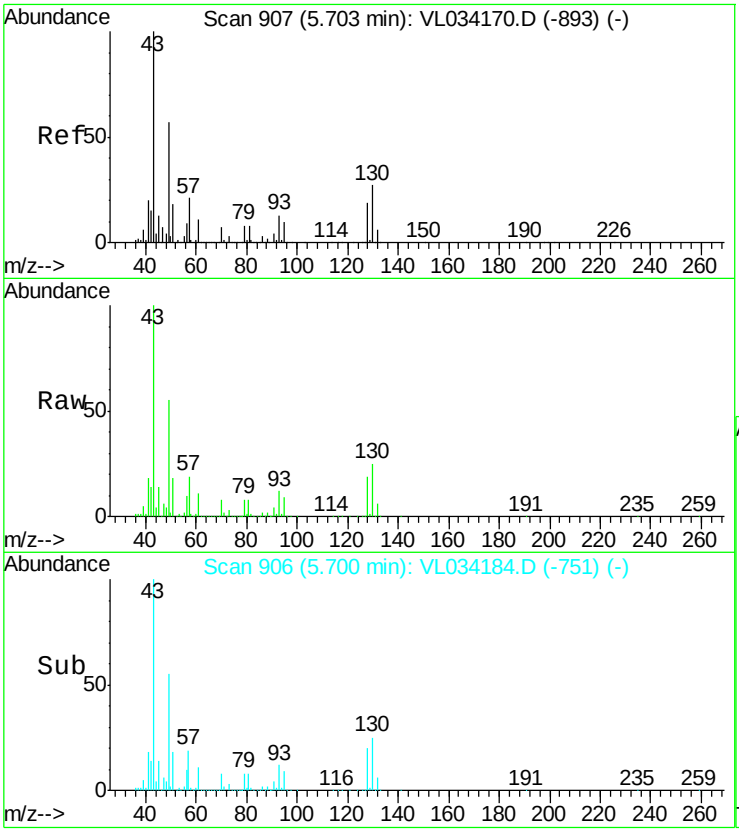
9/20/2019 12:37:13 AM

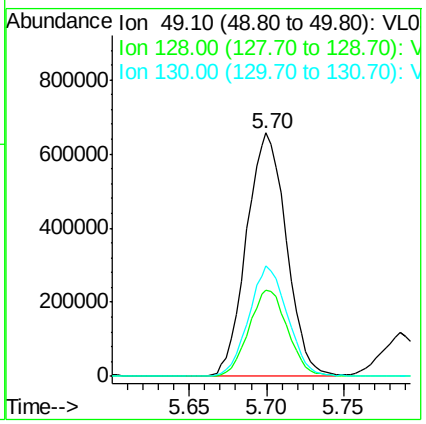




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 49 Resp: 1181758

Ion	Ratio	Lower	Upper
49	100		
128	34.5	17.6	52.9
130	44.1	22.3	66.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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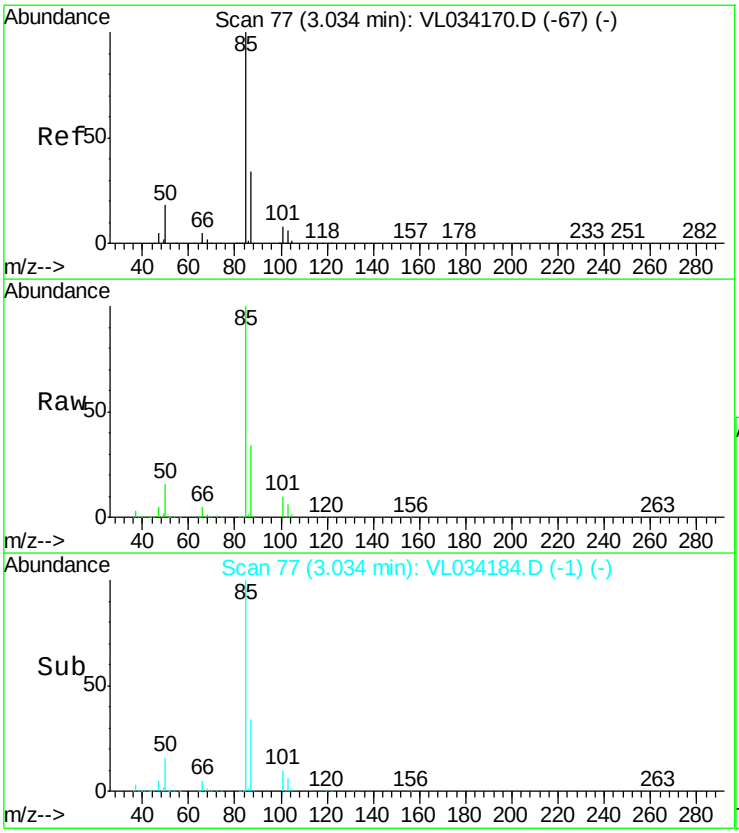
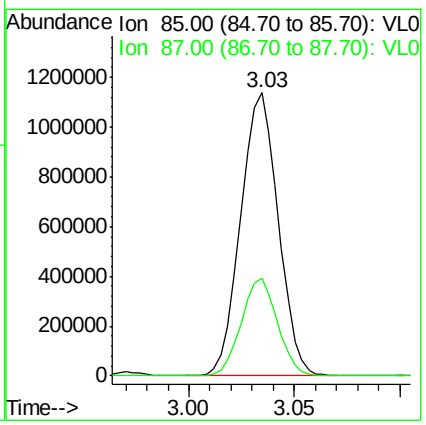
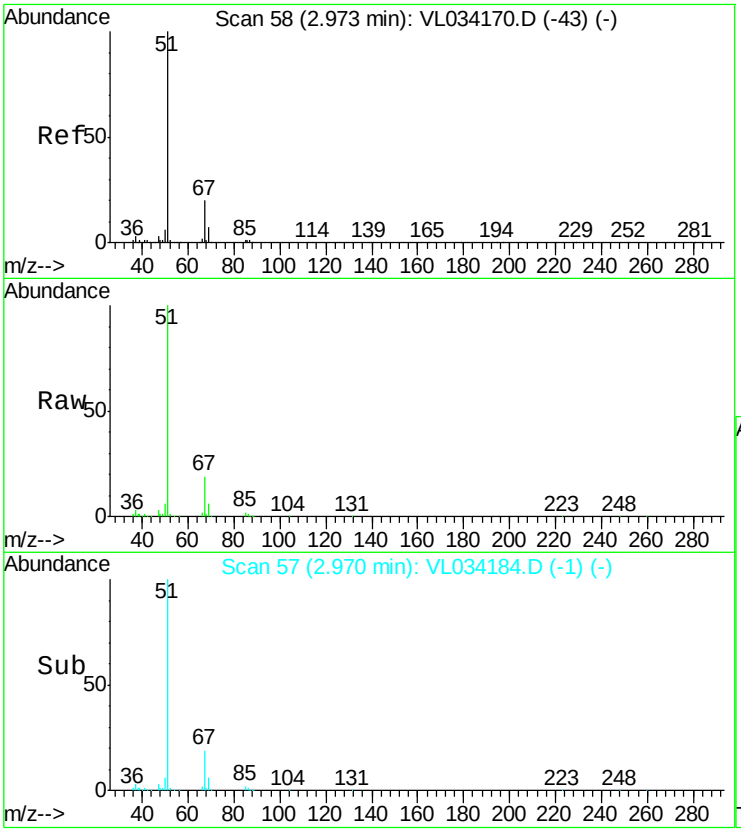


#2
Dichlorodifluoromethane
Concen: 8.072 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 85 Resp: 1408964

Ion	Ratio	Lower	Upper
85	100		
87	34.4	27.2	40.8

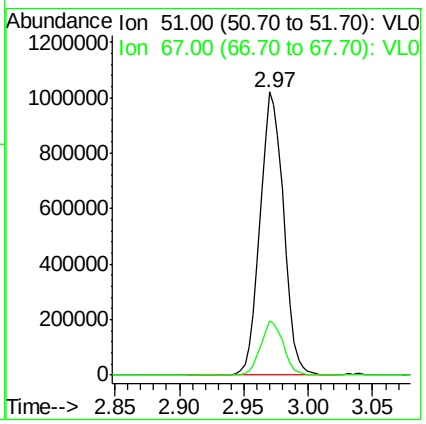




#3
Chlorodifluoromethane
Concen: 9.428 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 51 Resp: 1306363

Ion	Ratio	Lower	Upper
51	100		
67	18.4	14.8	22.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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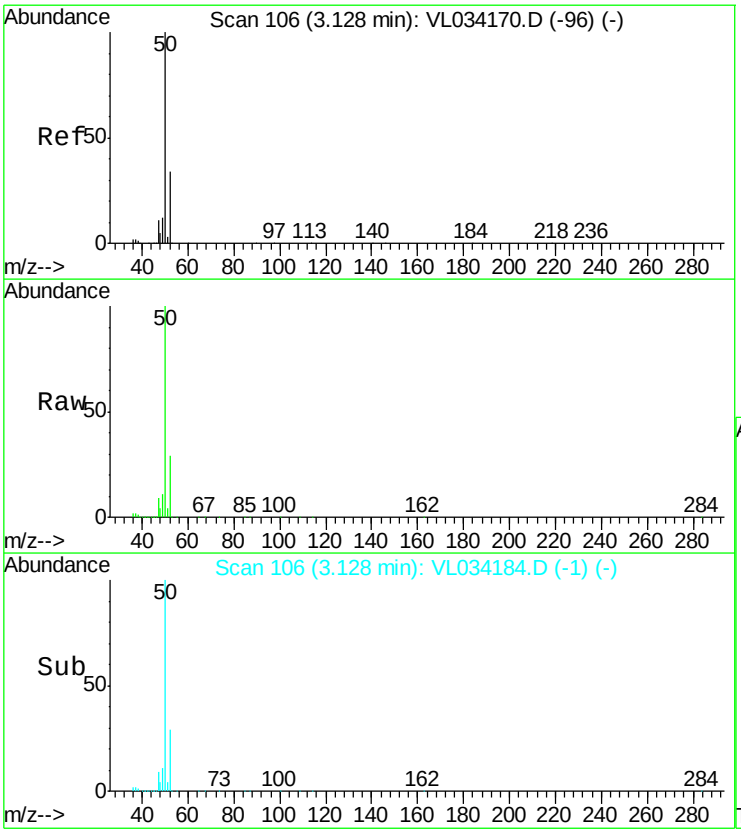
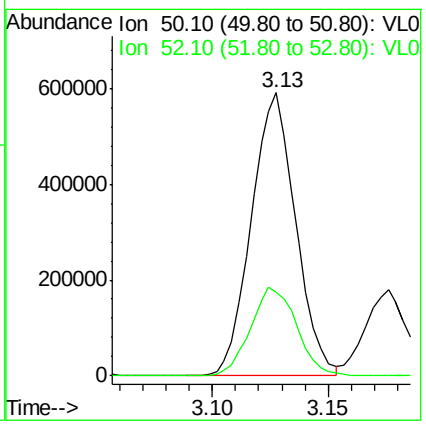
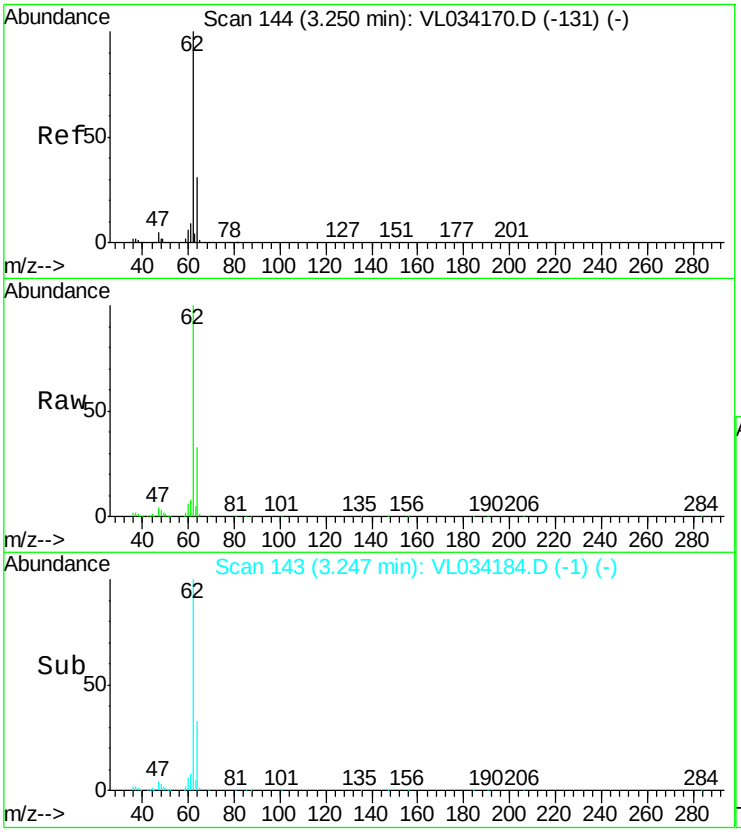


#4
Chloromethane
Concen: 9.620 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 50 Resp: 783338

Ion	Ratio	Lower	Upper
50	100		
52	29.5	27.1	40.7

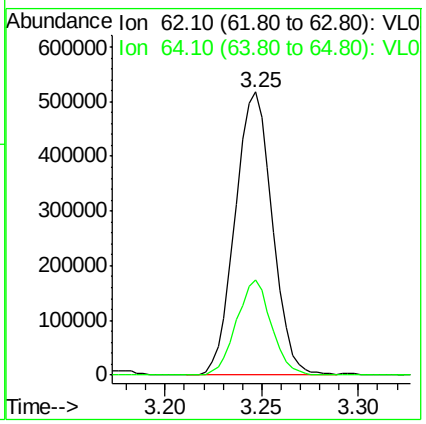




#5
Vinyl Chloride
Concen: 9.319 ppbv
RT: 3.25 min Scan# 143
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 62 Resp: 693459

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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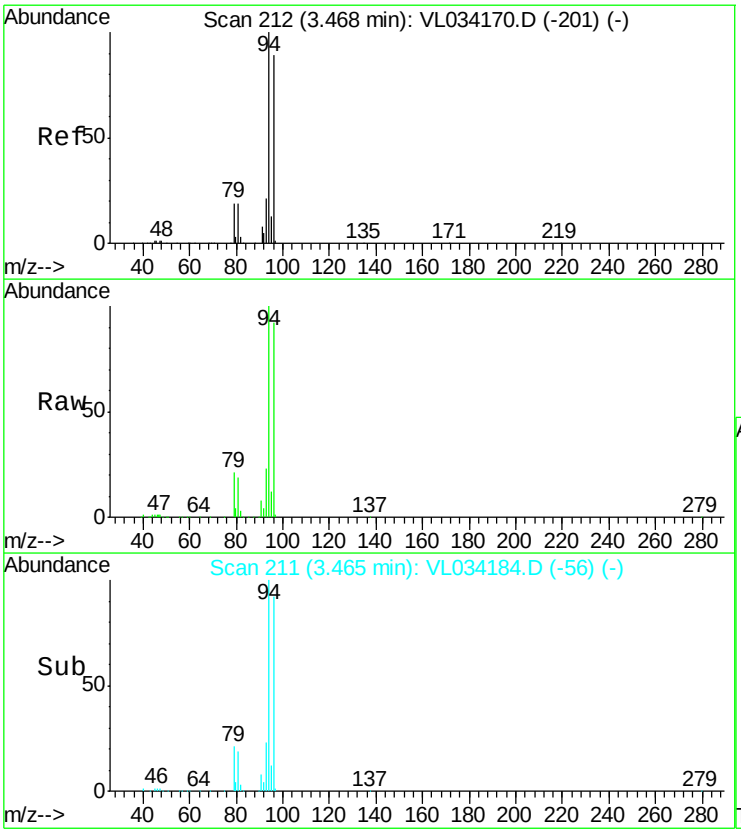
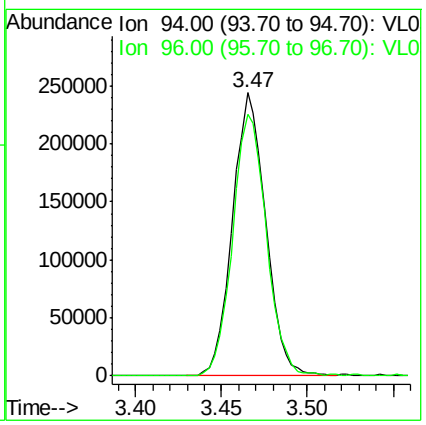
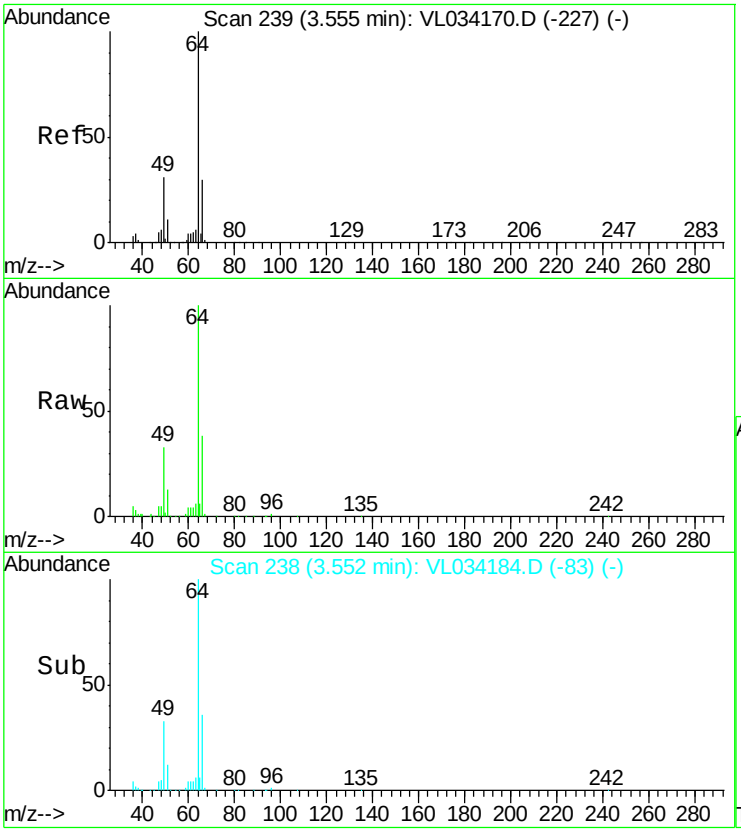


#6
Bromomethane
Concen: 9.484 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 94 Resp: 329271

Ion	Ratio	Lower	Upper
94	100		
96	92.3	71.3	106.9





#7
Chloroethane
Concen: 9.442 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 64 Resp: 245574

Ion	Ratio	Lower	Upper
64	100		
66	37.5	24.2	36.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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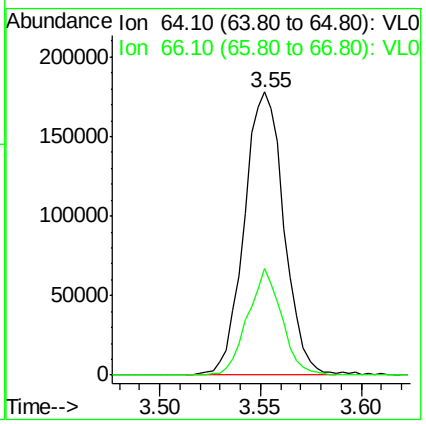
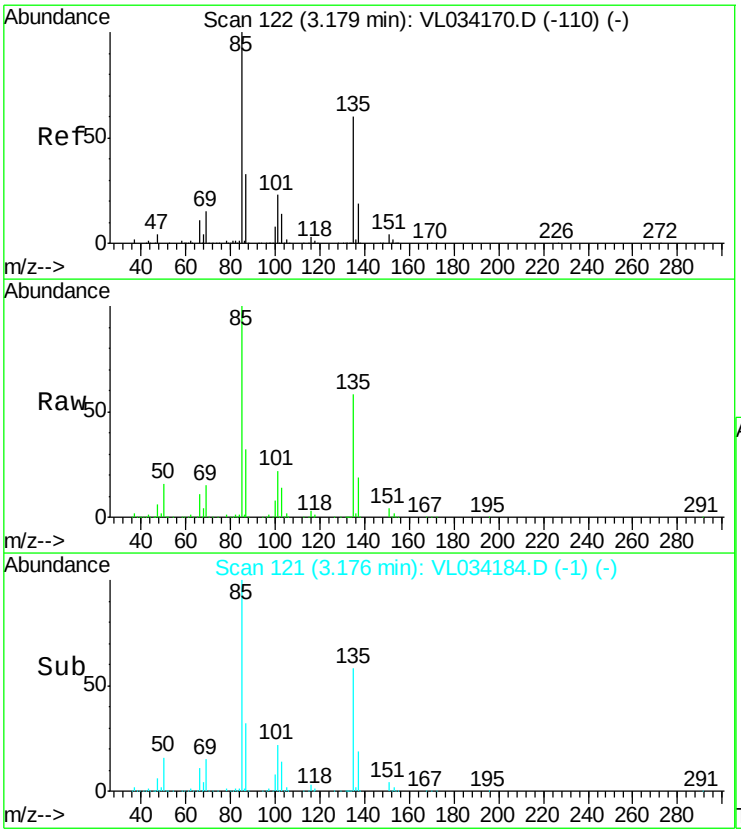
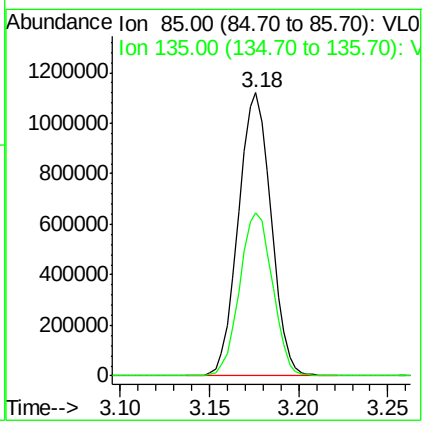


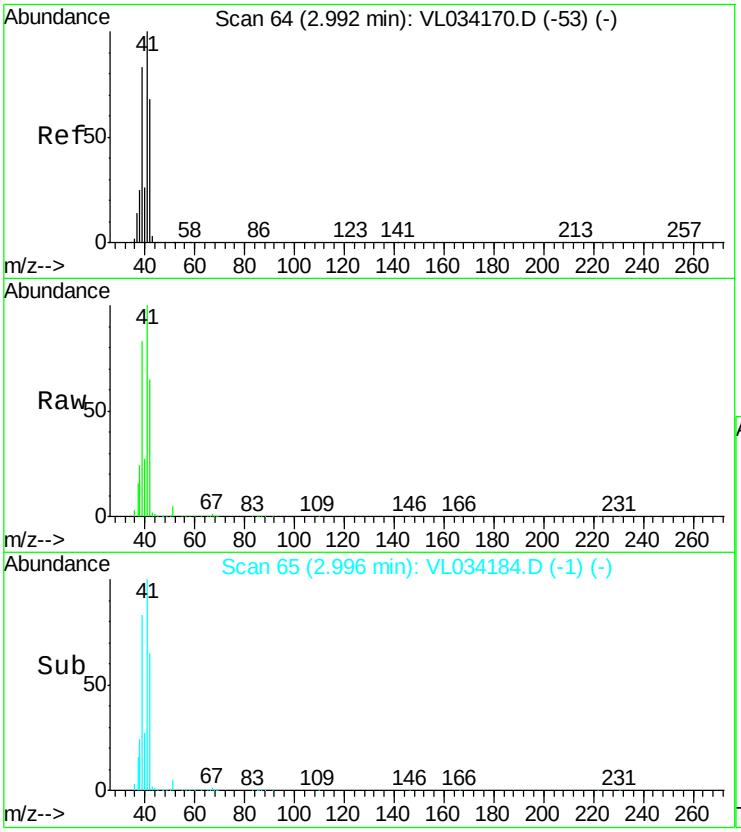


#8
Dichlorotetrafluoroethane
Concen: 9.280 ppbv
RT: 3.18 min Scan# 121
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 85 Resp: 1429679

Ion	Ratio	Lower	Upper
85	100		
135	58.1	47.3	70.9

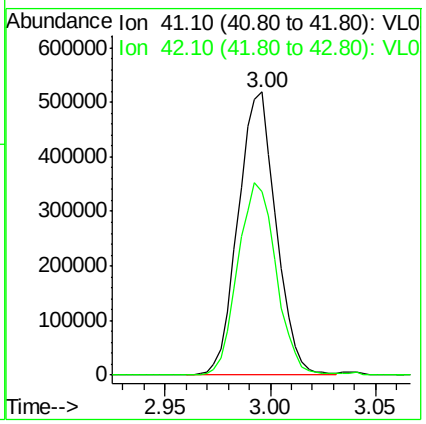




#9
Propene
Concen: 9.469 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

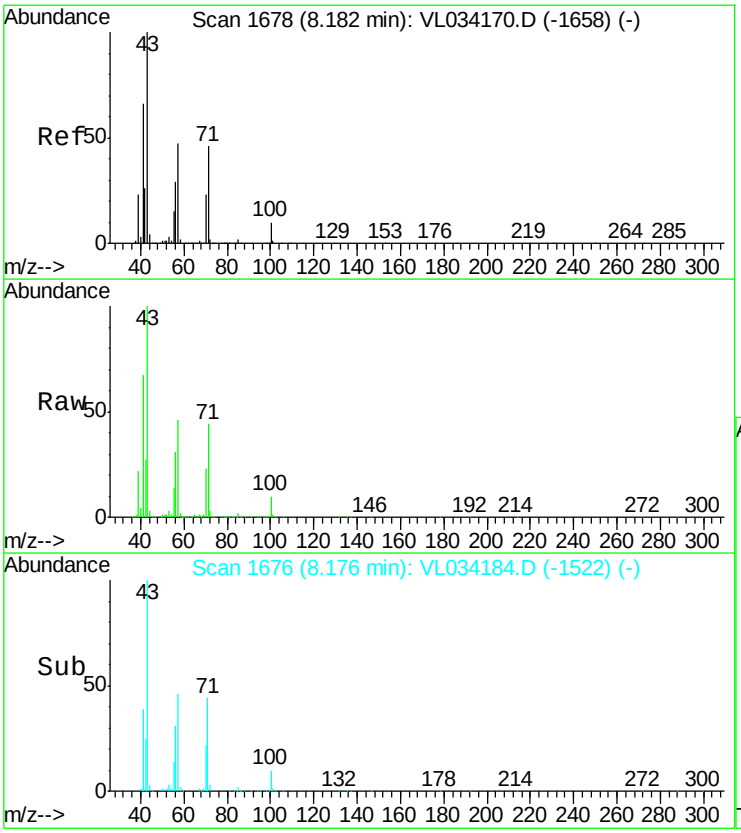
Tgt Ion: 41 Resp: 647303

Ion	Ratio	Lower	Upper
41	100		
42	69.8	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

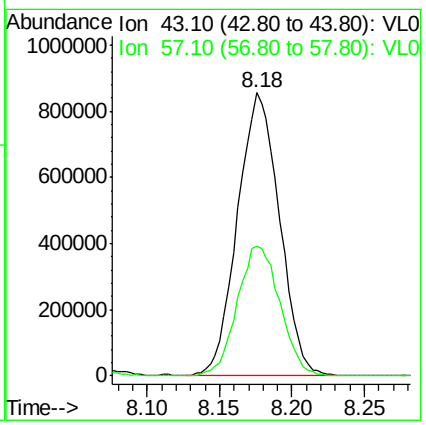
Manual Integrations APPROVED
MMDadoda
9/20/2019 12:37:13 AM

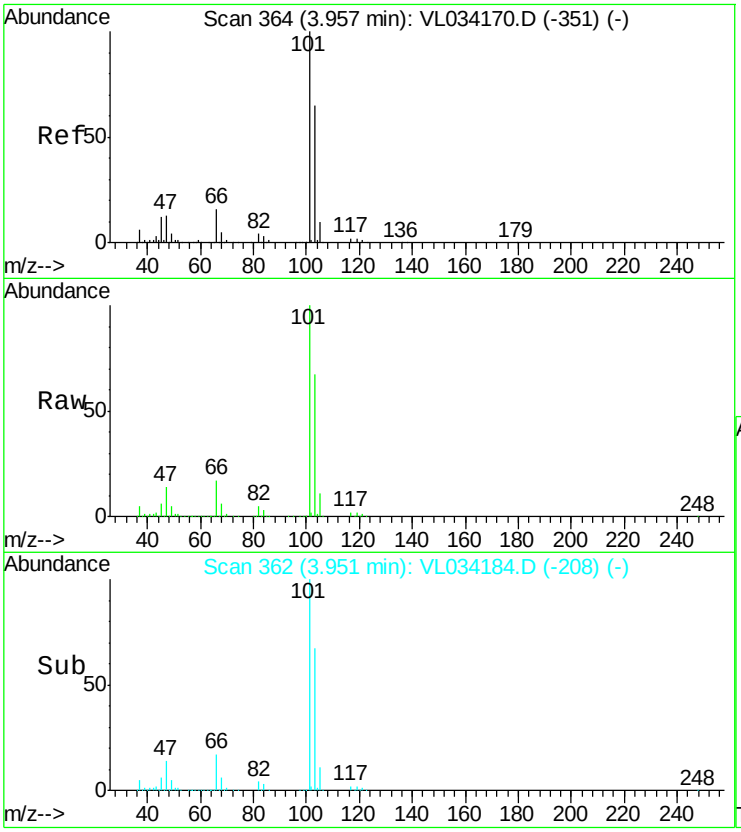


#10
Heptane
Concen: 9.602 ppbv
RT: 8.18 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 43 Resp: 1710831

Ion	Ratio	Lower	Upper
43	100		
57	46.9	37.5	56.3





#11
Trichlorofluoromethane
Concen: 9.529 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:101 Resp: 1514120

Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.1	78.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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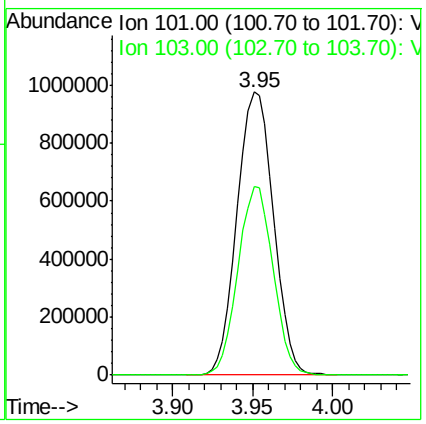
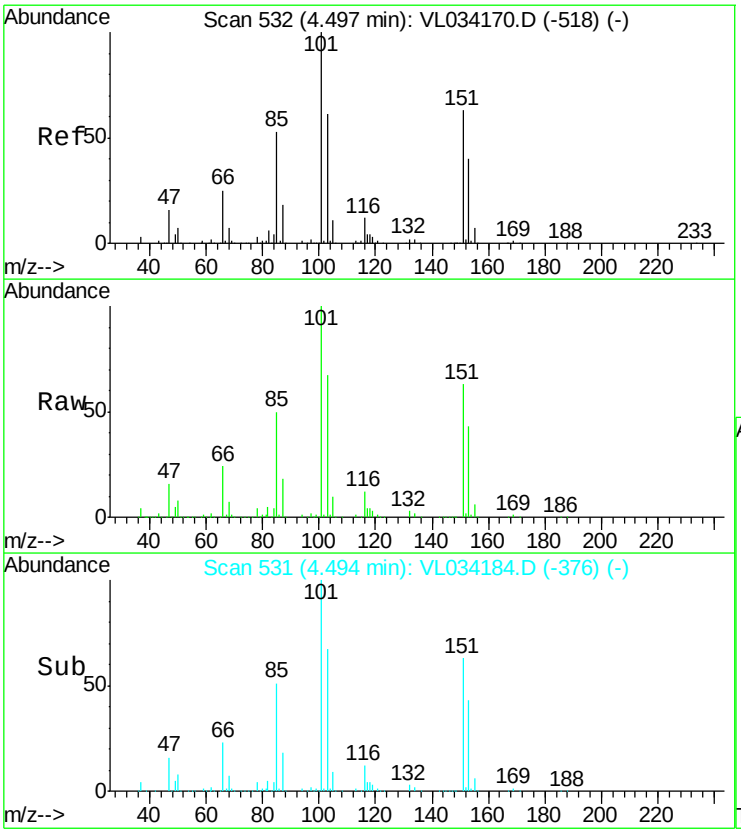
9/20/2019 12:37:13 AM

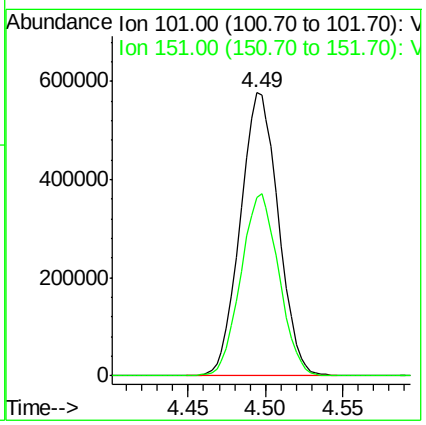


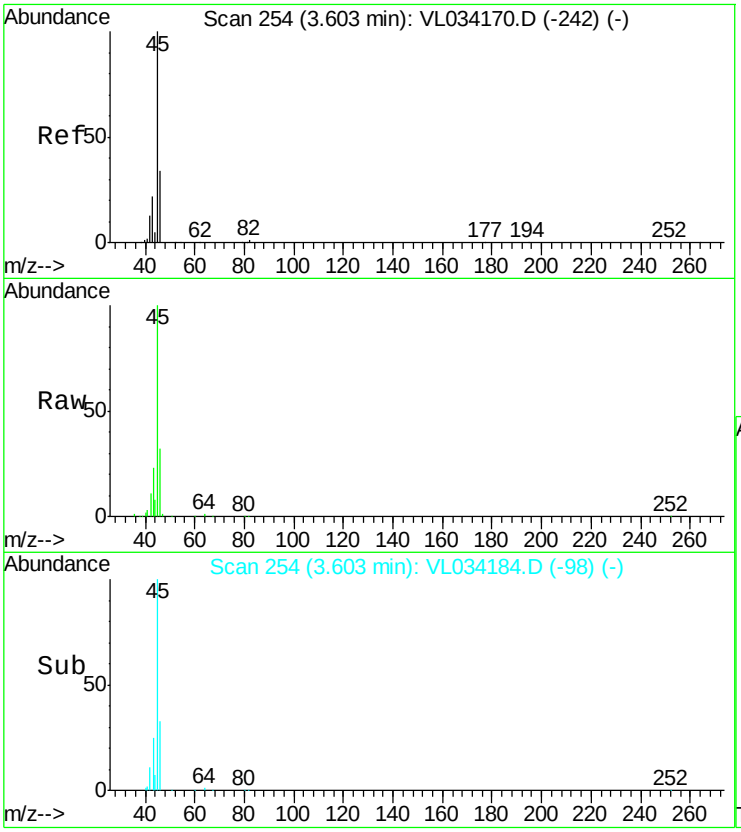


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.524 ppbv
RT: 4.49 min Scan# 531
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:101 Resp: 990391

Ion	Ratio	Lower	Upper
101	100		
151	64.2	51.8	77.8

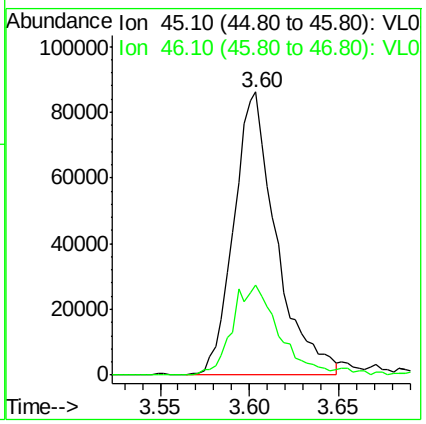




#13
Ethanol
Concen: 8.657 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 45 Resp: 143302

Ion	Ratio	Lower	Upper
45	100		
46	36.1	15.5	61.9



Instrument :
MSVOA_L
ClientSampleId :
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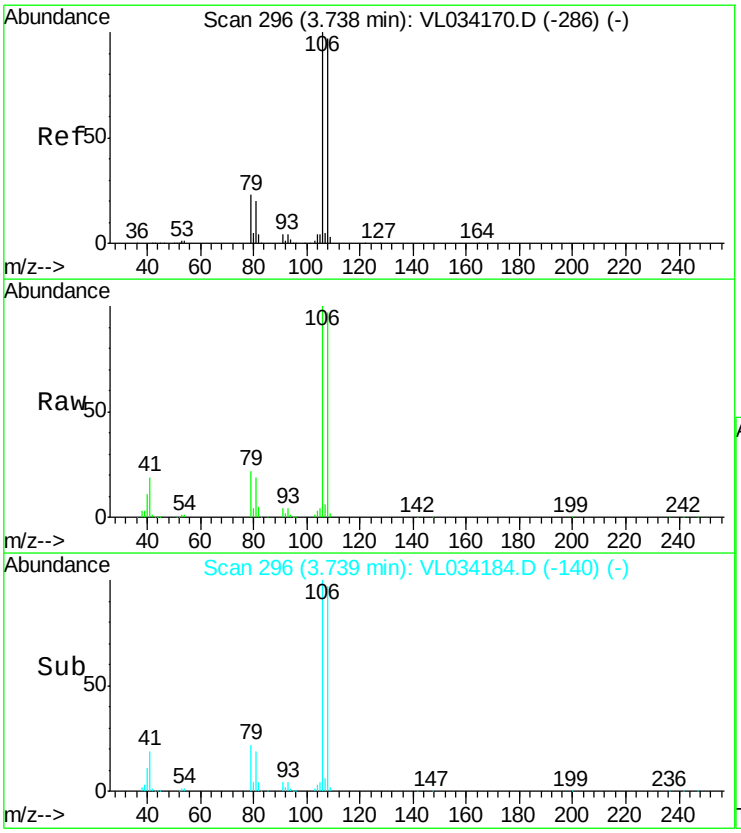
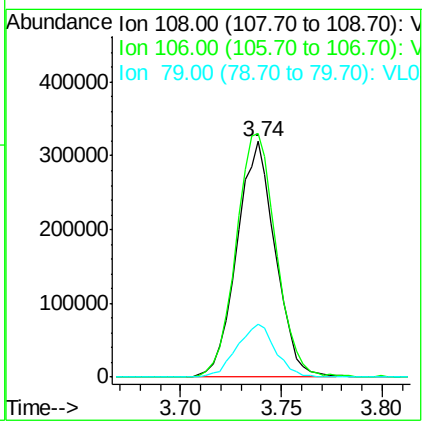
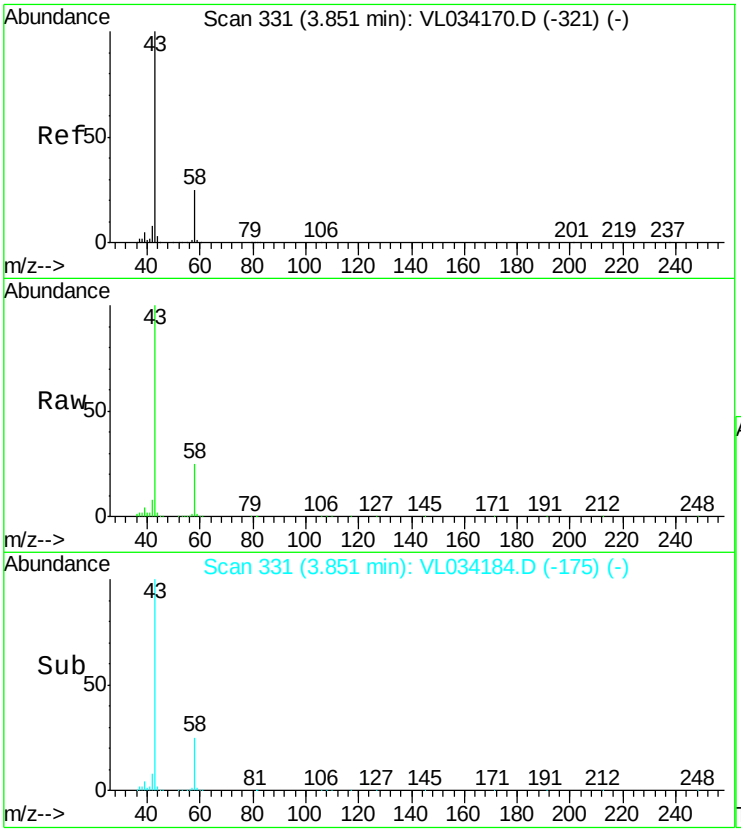


#14
Bromoethene
Concen: 9.997 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:108 Resp: 425008

Ion	Ratio	Lower	Upper
108	100		
106	108.9	86.2	129.4
79	22.7	18.6	27.8

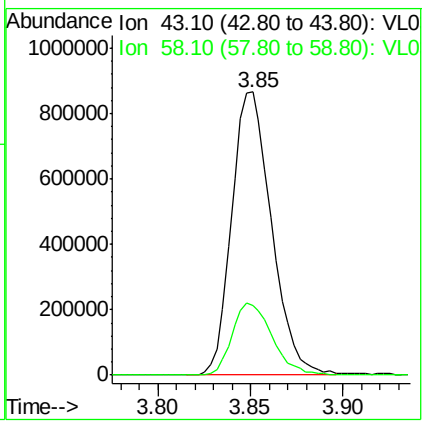




#15
Acetone
Concen: 8.175 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 43 Resp: 1294888

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.5	30.7



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ClientSampleId :
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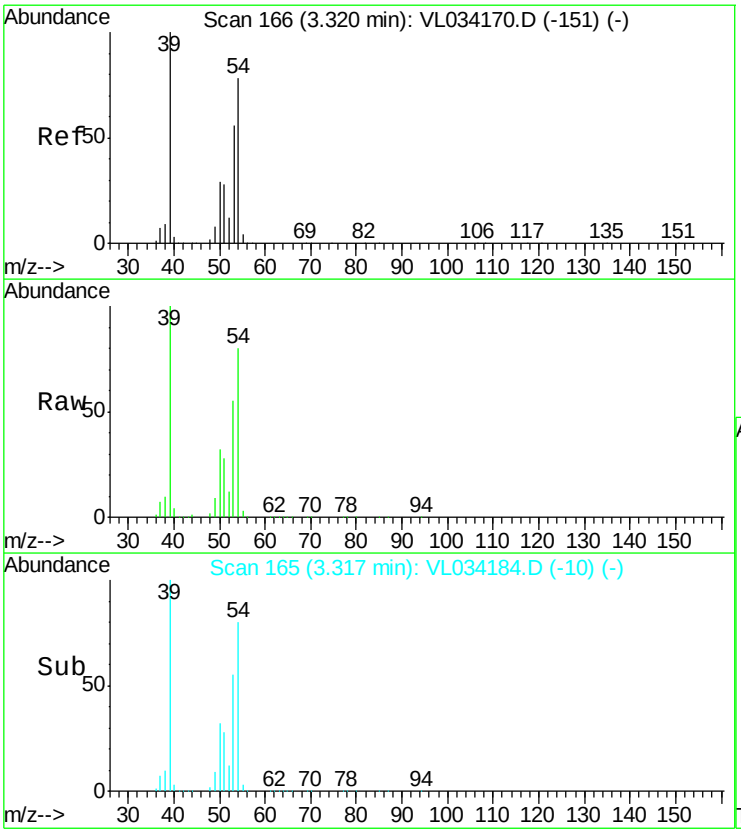
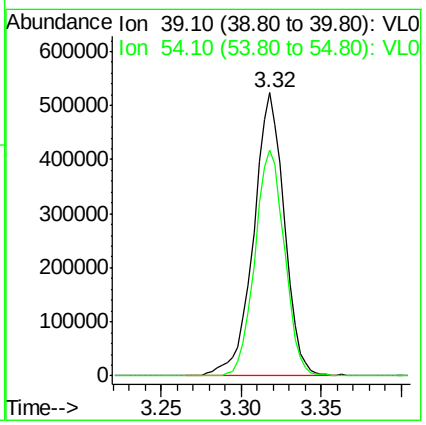
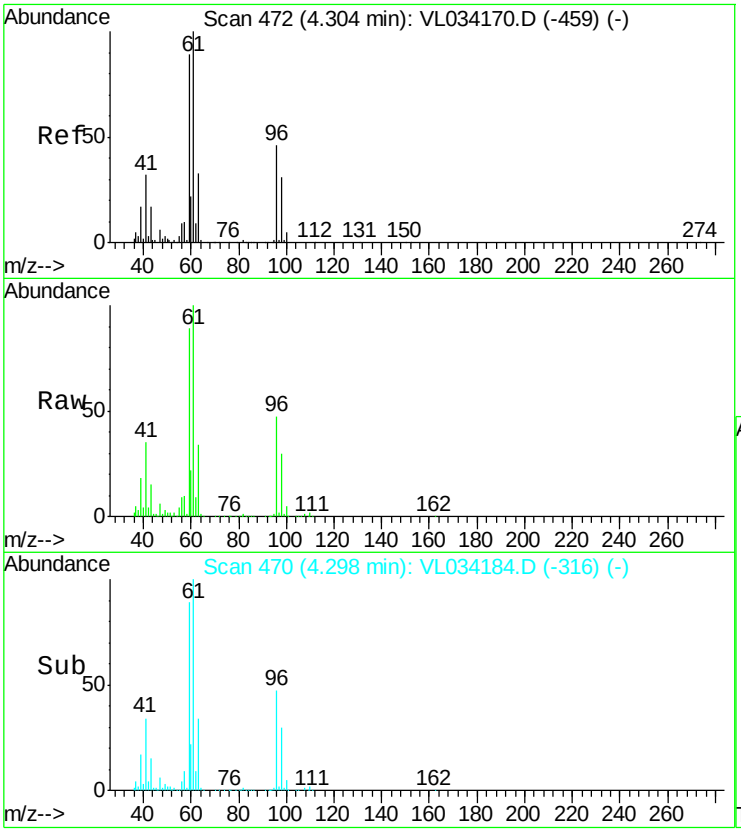


#16
1,3-Butadiene
Concen: 9.972 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 39 Resp: 689268

Ion	Ratio	Lower	Upper
39	100		
54	77.6	63.4	95.0

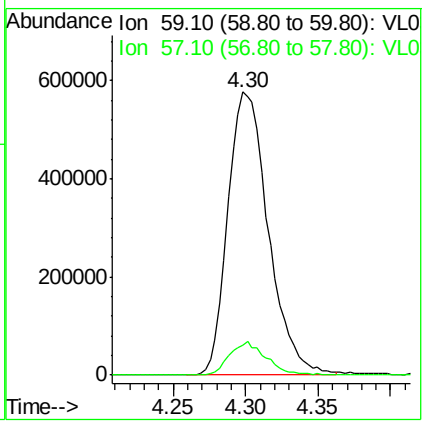




#17
tert-Butyl alcohol
Concen: 11.157 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 59 Resp: 1119714

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1



Instrument :
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ClientSampleId :
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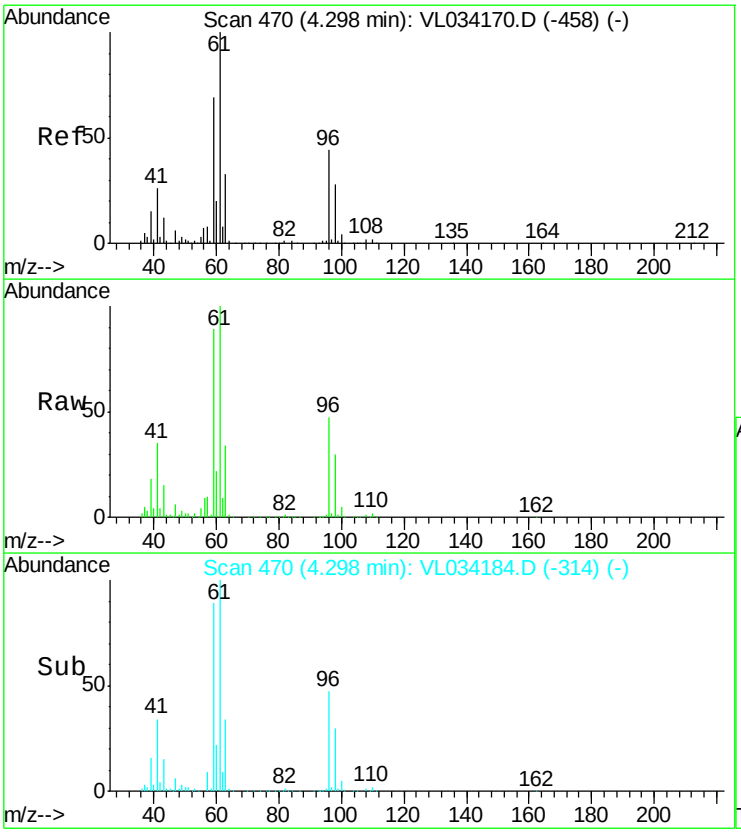
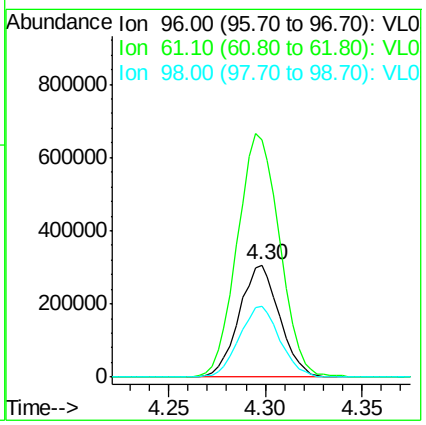
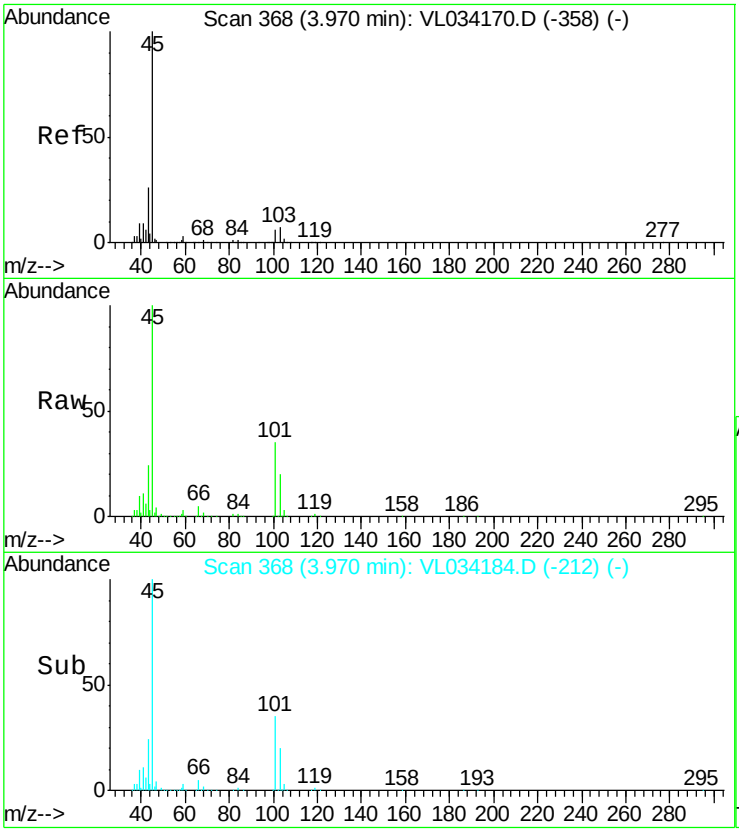


#18
1,1-Dichloroethene
Concen: 9.821 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 96 Resp: 445437

Ion	Ratio	Lower	Upper
96	100		
61	211.5	183.3	274.9
98	63.4	51.4	77.2

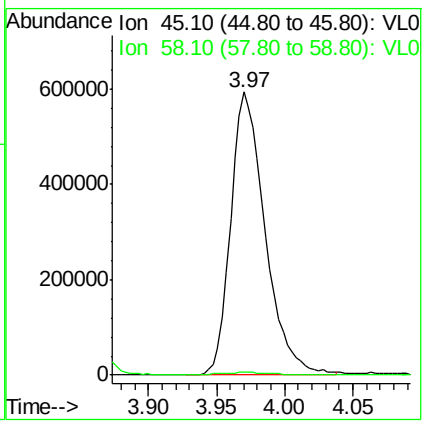




#19
Isopropyl Alcohol
Concen: 10.676 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 45 Resp: 1039793

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.0



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ClientSampleId :
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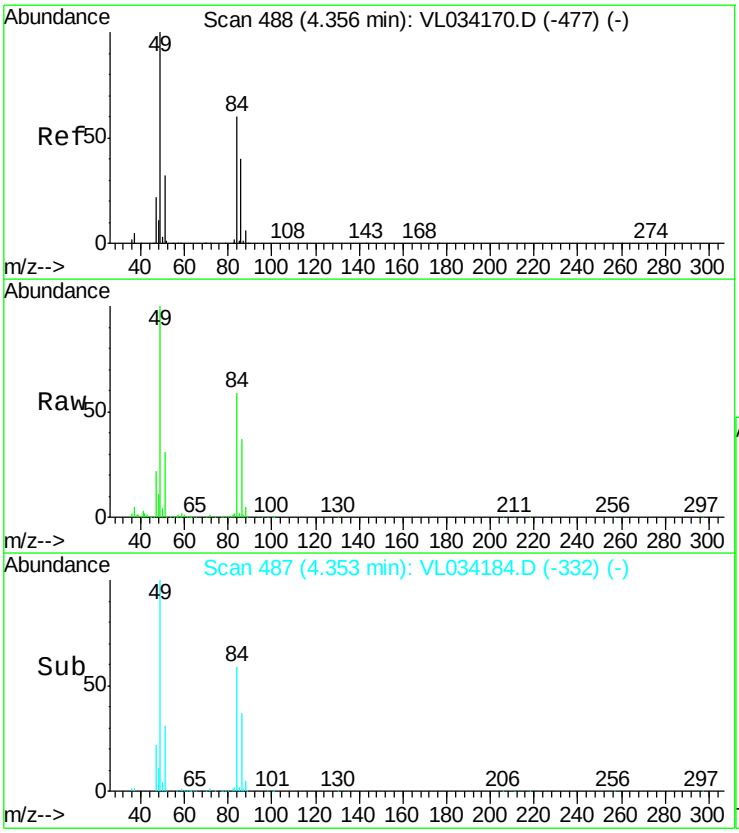
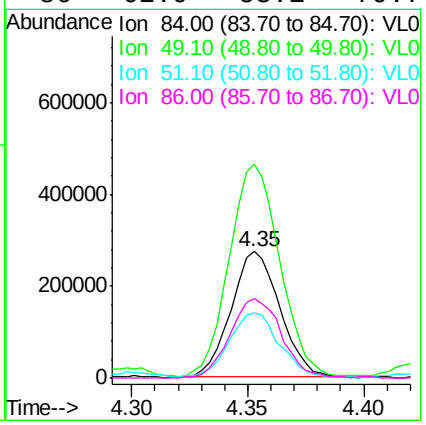
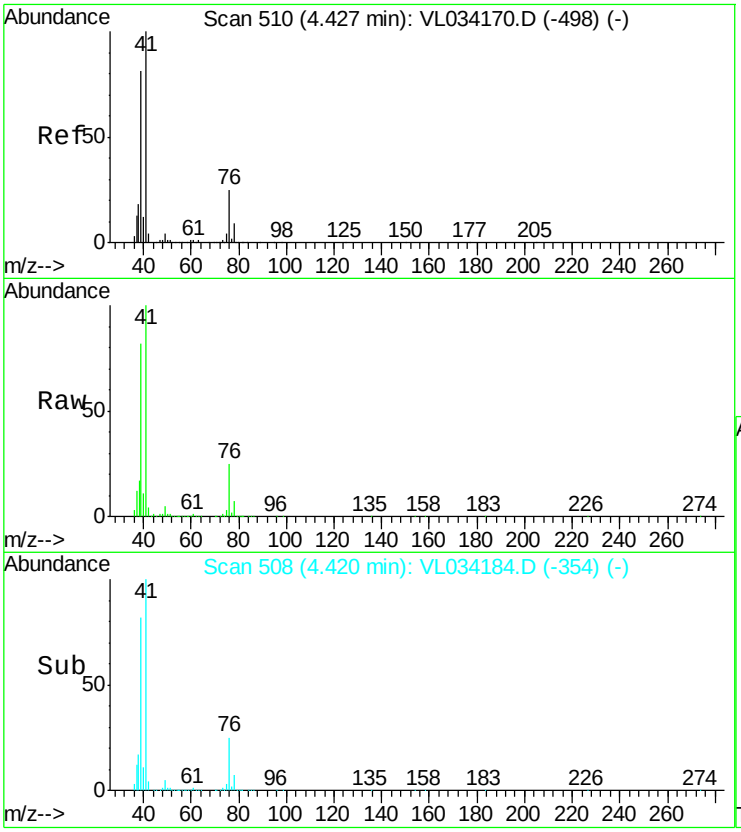


#20
Methylene Chloride
Concen: 8.772 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 84 Resp: 400590

Ion	Ratio	Lower	Upper
84	100		
49	168.1	133.8	200.8
51	51.1	43.6	65.4
86	62.9	53.1	79.7

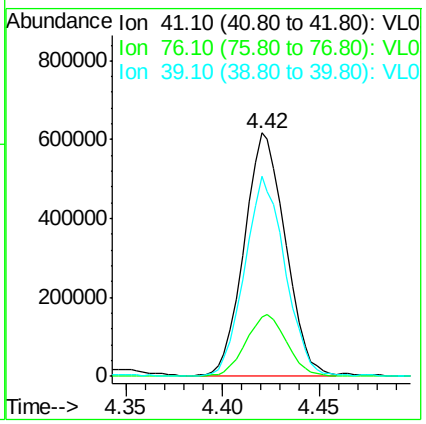




#21
Allvl Chloride
Concen: 10.123 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 41 Resp: 905610

Ion	Ratio	Lower	Upper
41	100		
76	25.7	21.8	32.6
39	81.6	64.8	97.2



Instrument :
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ClientSampleId :
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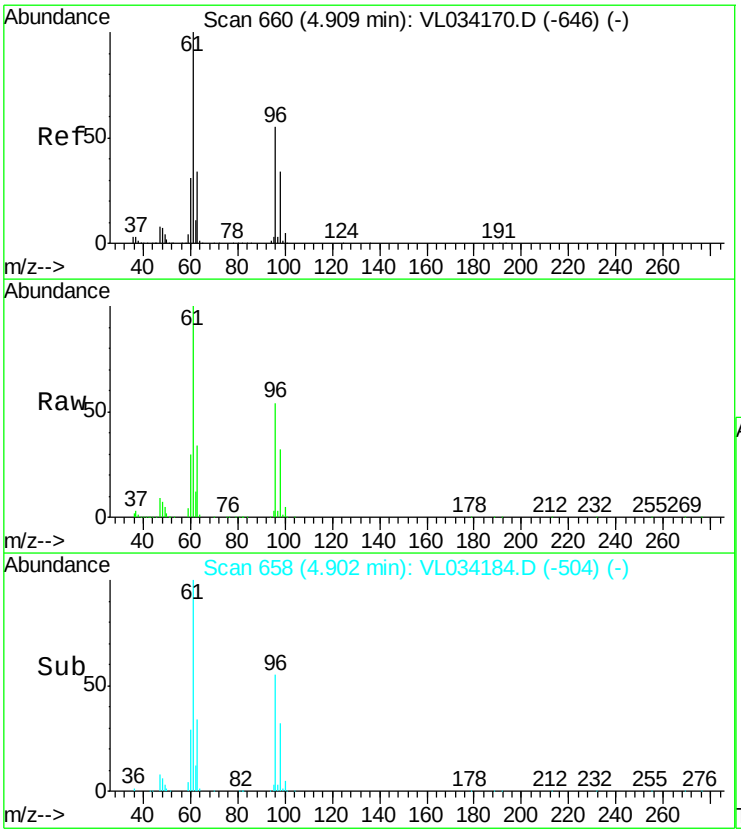
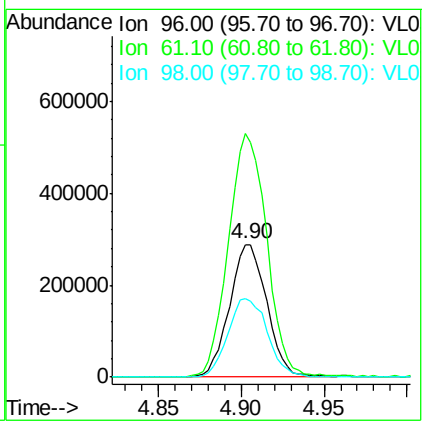
9/20/2019 12:37:13 AM

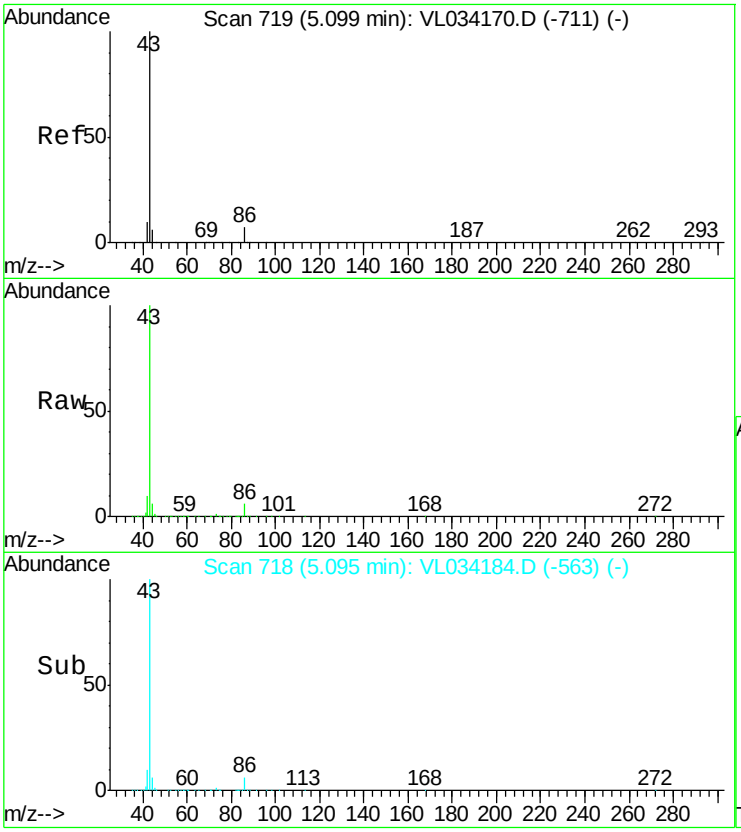


#22
trans-1,2-Dichloroethene
Concen: 9.951 ppbv
RT: 4.90 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 96 Resp: 451572

Ion	Ratio	Lower	Upper
96	100		
61	183.1	145.5	218.3
98	59.2	49.9	74.9

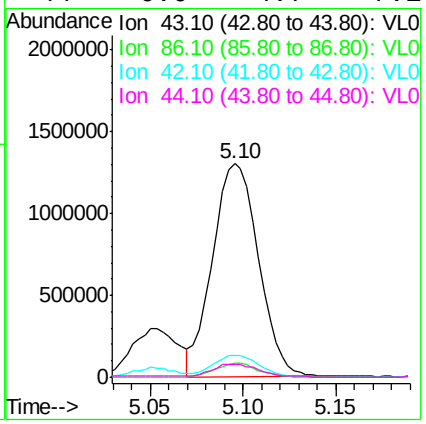




#23
Vinyl Acetate
Concen: 9.603 ppbv
RT: 5.10 min Scan# 718
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 43 Resp: 2241373

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.1	7.7
42	10.2	8.6	12.8
44	6.0	4.7	7.1



Instrument :
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ClientSampleId :
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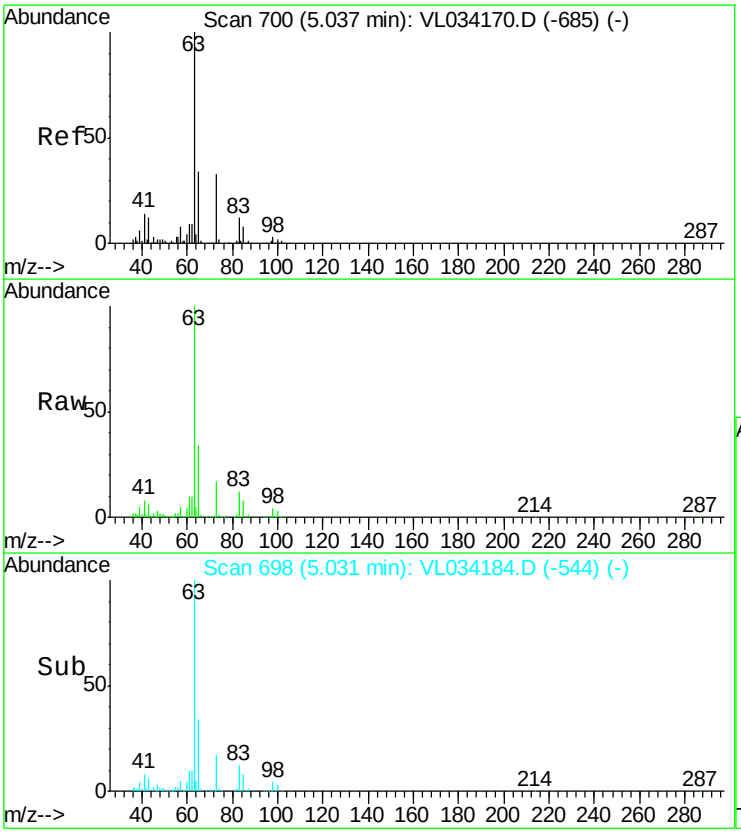
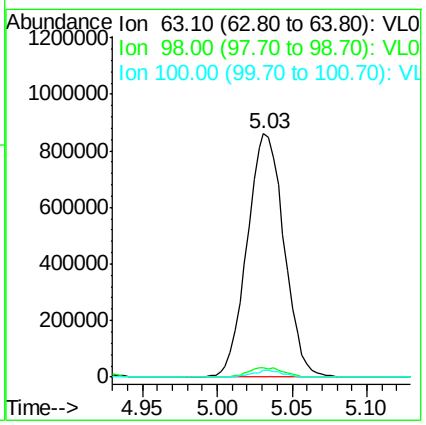
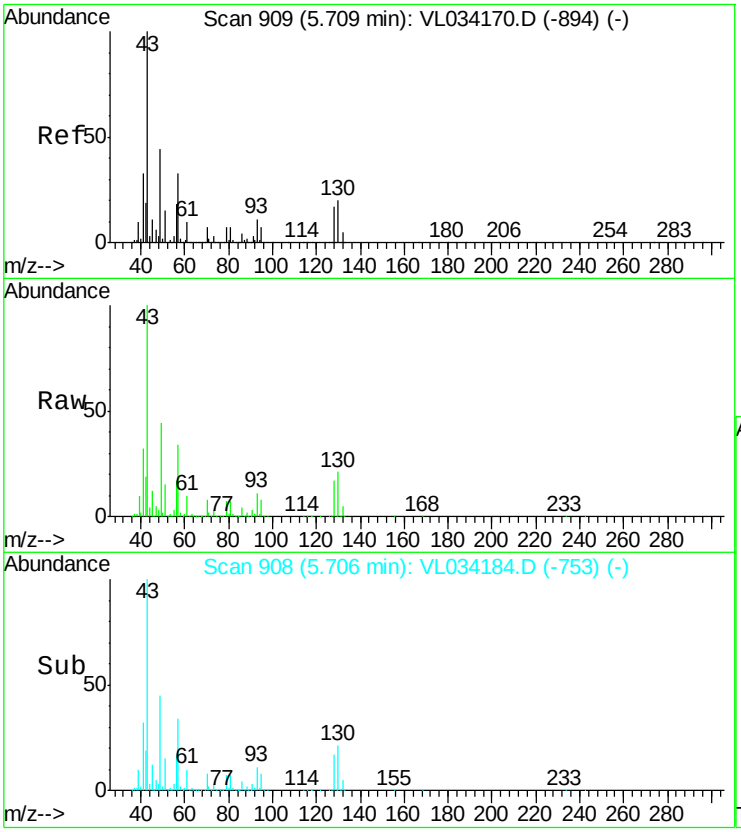


#24
1,1-Dichloroethane
Concen: 9.391 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 63 Resp: 1475832

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.8	5.3
100	2.6	1.0	3.0

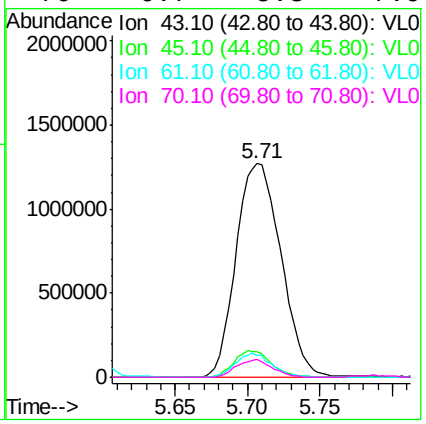




#25
Ethyl Acetate
Concen: 9.131 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 43 Resp: 2734692

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	9.2	7.2	10.8
70	6.7	5.3	7.9



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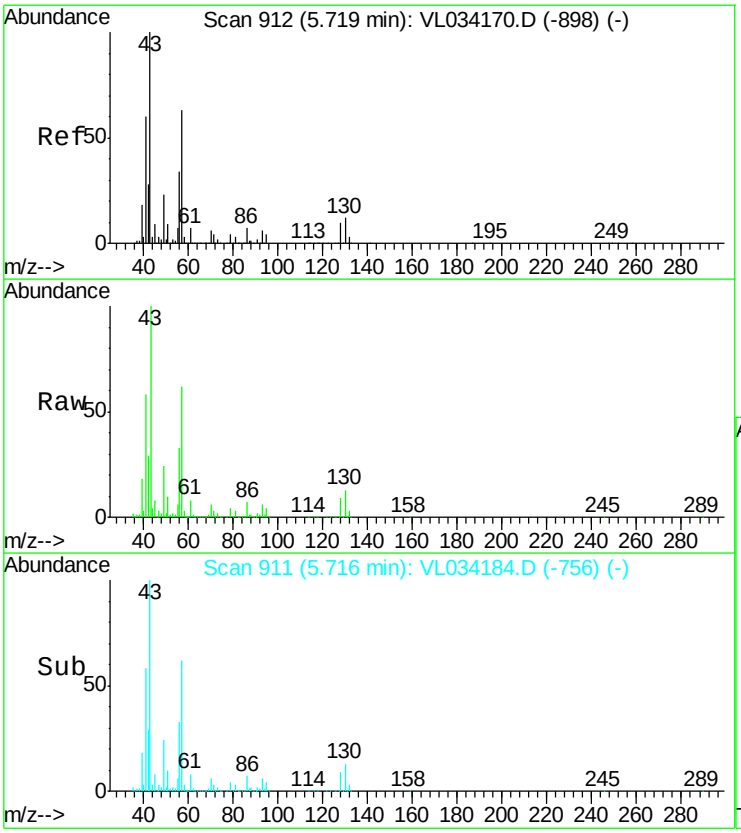
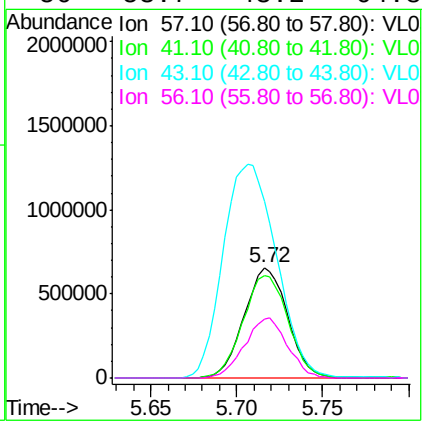
9/20/2019 12:37:13 AM

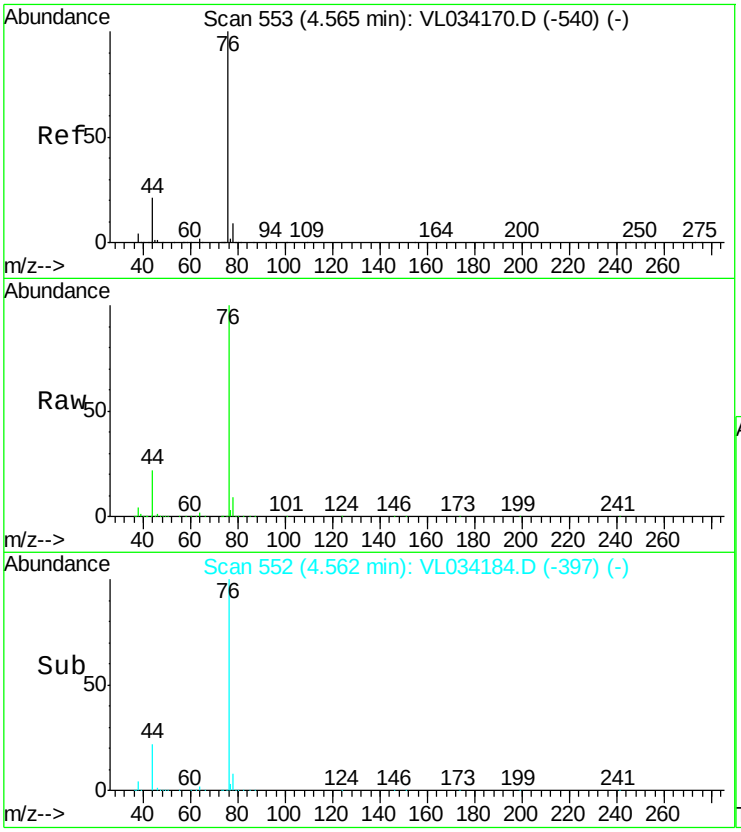


#26
Hexane
Concen: 9.227 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 57 Resp: 1149632

Ion	Ratio	Lower	Upper
57	100		
41	97.8	78.5	117.7
43	239.8	189.5	284.3
56	53.7	43.2	64.8

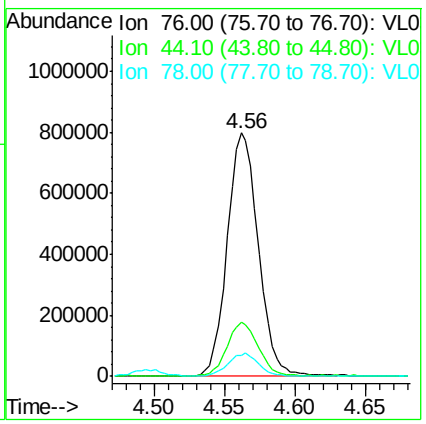




#27
Carbon Disulfide
Concen: 10.746 ppbv
RT: 4.56 min Scan# 552
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 76 Resp: 1234718

Ion	Ratio	Lower	Upper
76	100		
44	22.0	17.6	26.4
78	9.4	7.6	11.4



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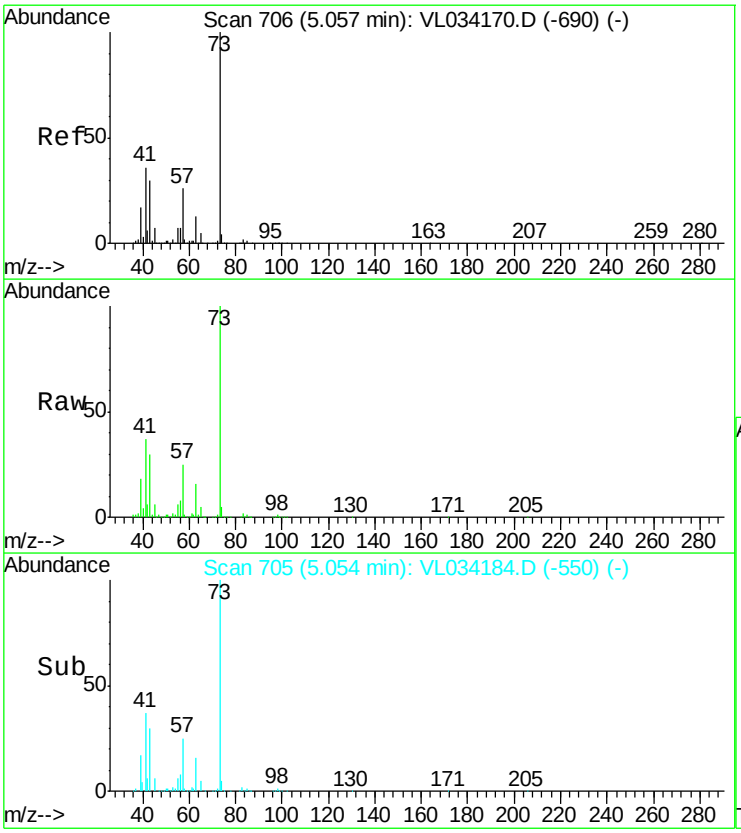
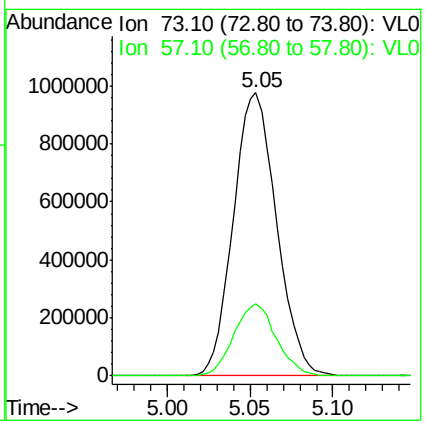
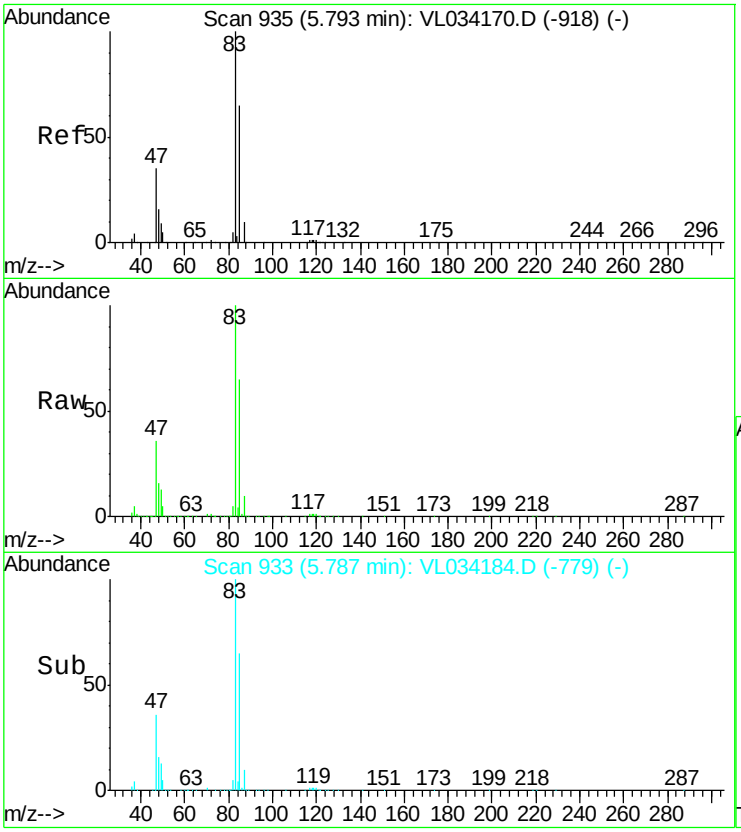


#28
Methyl tert-Butyl Ether
Concen: 9.530 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 73 Resp: 1763350

Ion	Ratio	Lower	Upper
73	100		
57	25.2	20.2	30.2

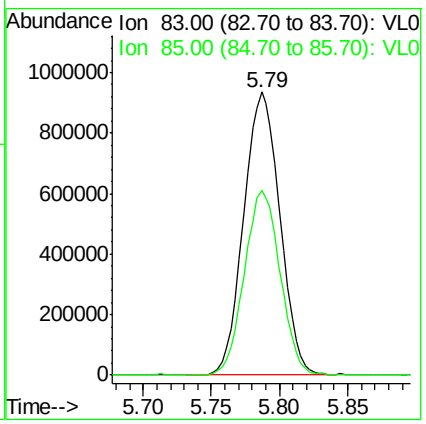




#29
Chloroform
Concen: 9.679 ppbv
RT: 5.79 min Scan# 933
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 83 Resp: 1723260

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5



Instrument :
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ClientSampleId :
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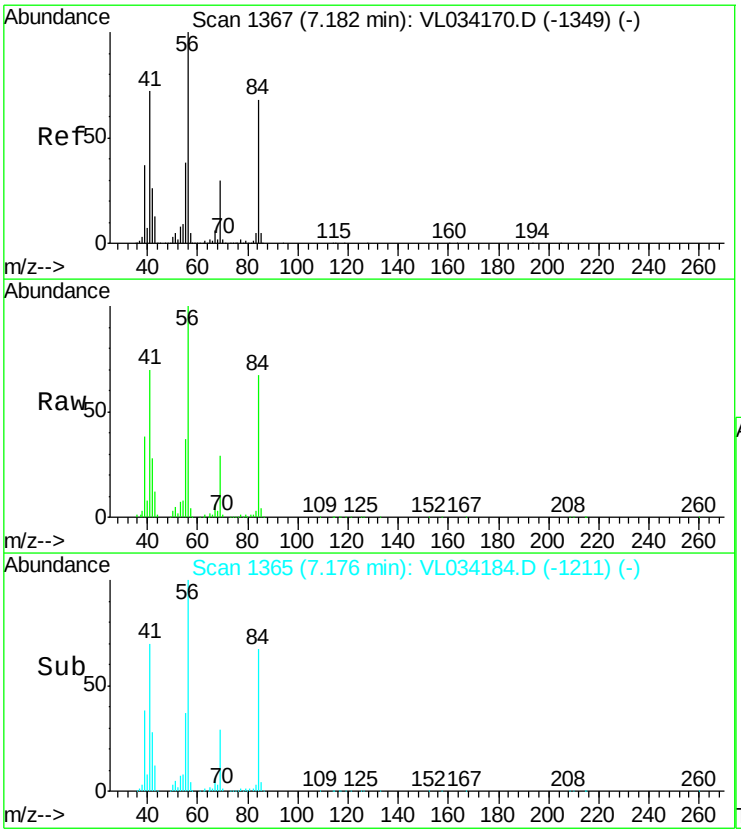
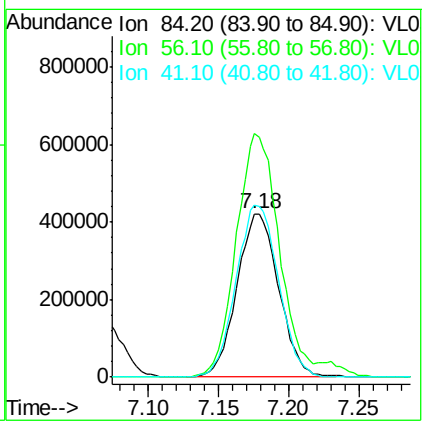
9/20/2019 12:37:13 AM

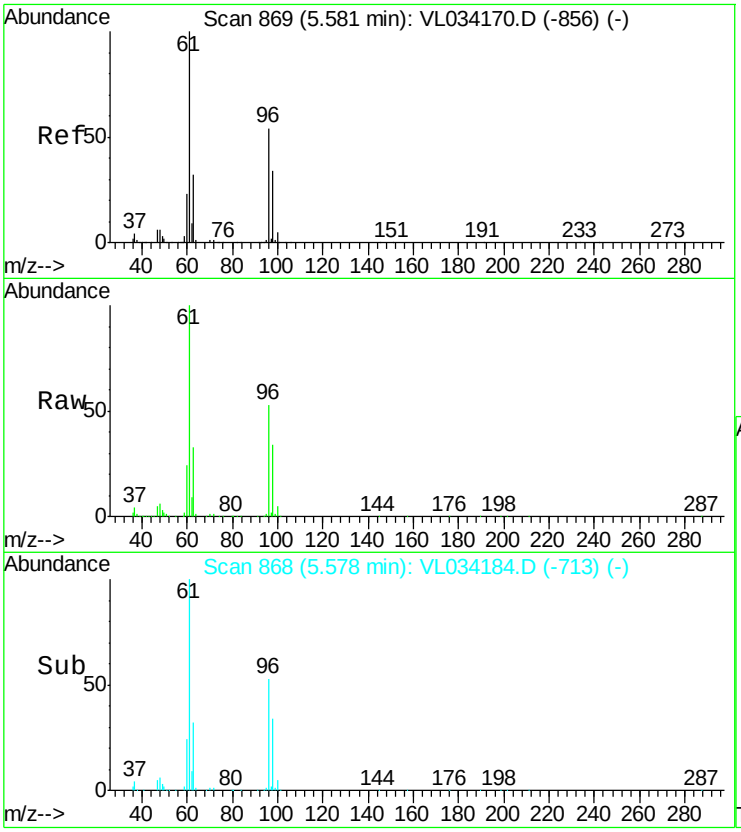


#30
Cyclohexane
Concen: 9.693 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 84 Resp: 871839

Ion	Ratio	Lower	Upper
84	100		
56	159.4	126.2	189.2
41	107.8	85.8	128.8

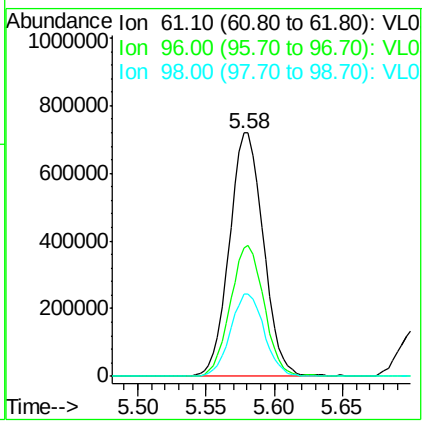




#31
cis-1,2-Dichloroethene
Concen: 9.854 ppbv
RT: 5.58 min Scan# 868
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 61 Resp: 1251566

Ion	Ratio	Lower	Upper
61	100		
96	52.7	43.0	64.4
98	33.7	27.2	40.8



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VSTDCCC010

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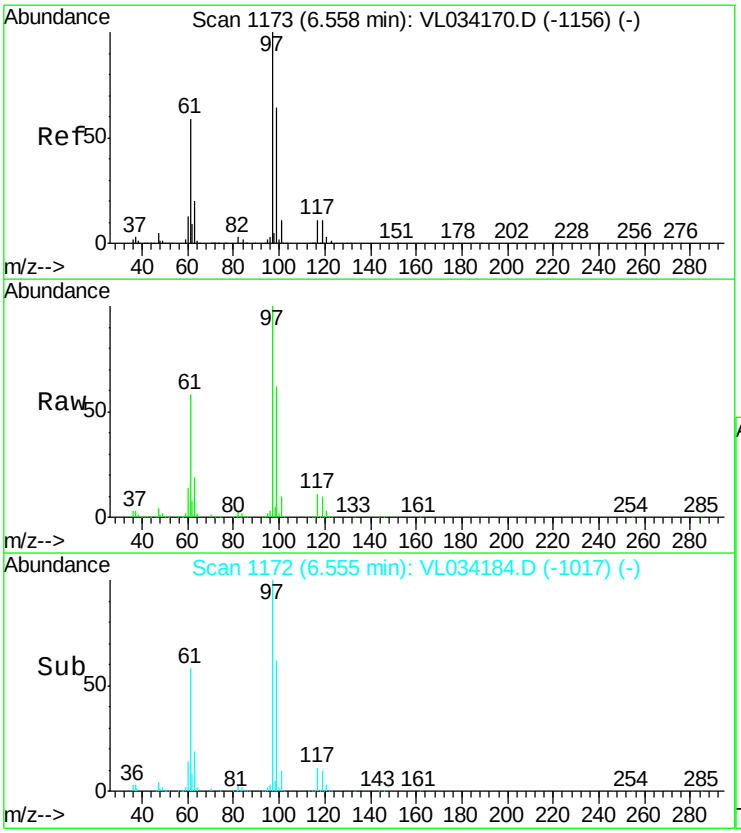
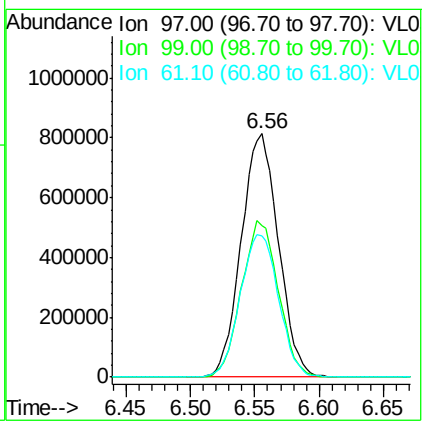
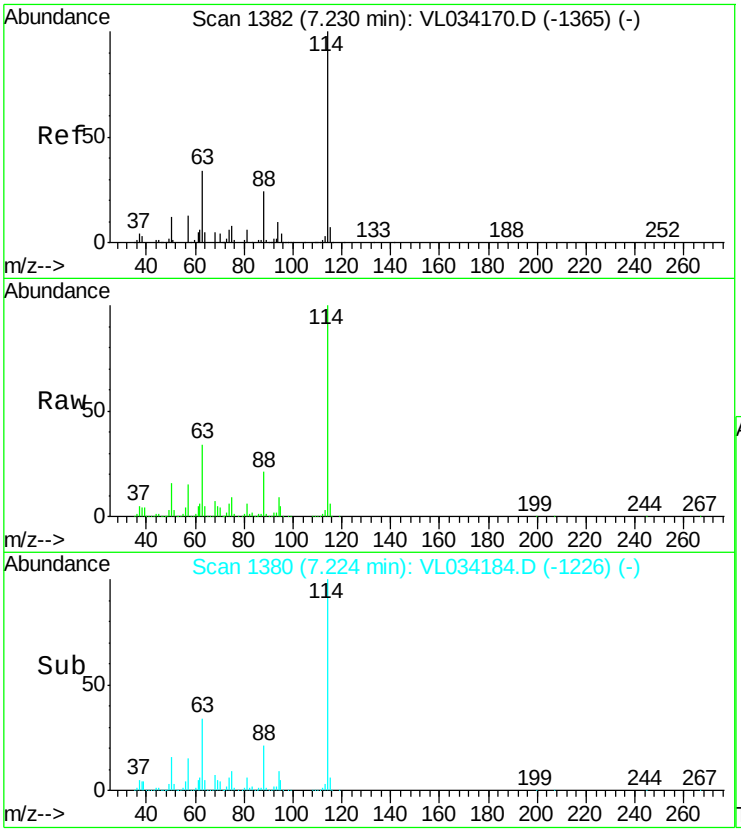


#32
1,1,1-Trichloroethane
Concen: 9.564 ppbv
RT: 6.56 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 97 Resp: 1642082

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	60.3	48.4	72.6

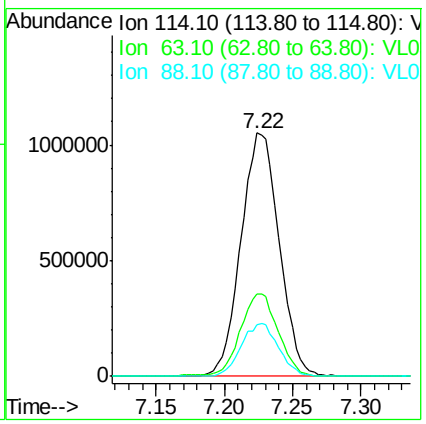




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:114 Resp: 2043178

Ion	Ratio	Lower	Upper
114	100		
63	34.0	27.8	41.6
88	21.4	17.1	25.7



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ClientSampleId :
VSTDCCC010

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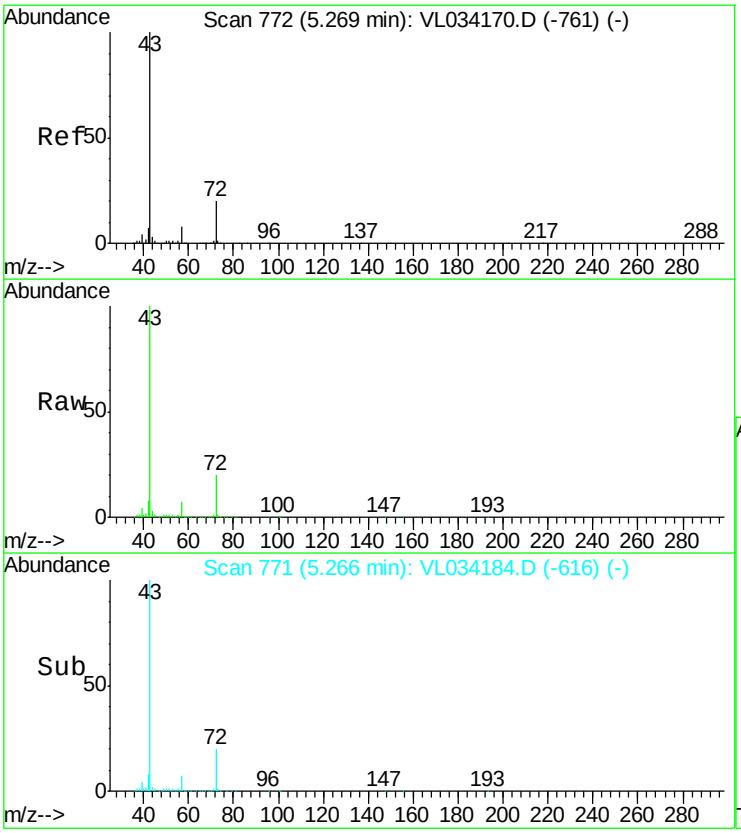
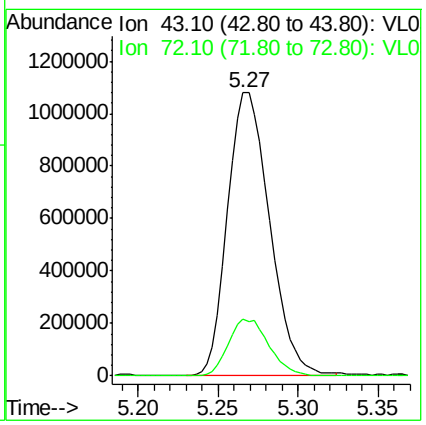
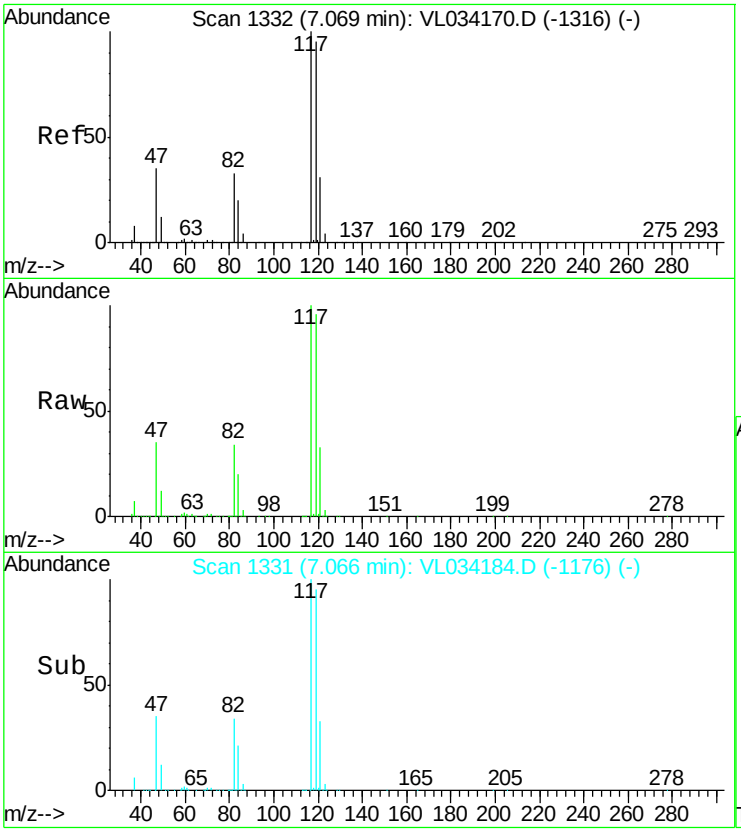


#34
2-Butanone
Concen: 9.285 ppbv
RT: 5.27 min Scan# 771
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 43 Resp: 1937007

Ion	Ratio	Lower	Upper
43	100		
72	19.4	15.0	22.6

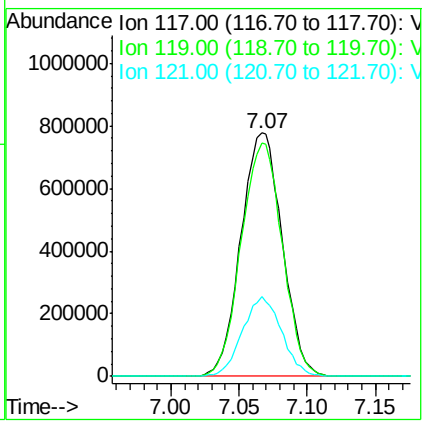




#35
Carbon Tetrachloride
Concen: 9.622 ppbv
RT: 7.07 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:117 Resp: 1633296

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.8	113.6
121	32.8	25.0	37.6



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ClientSampleId :
VSTDCCC010

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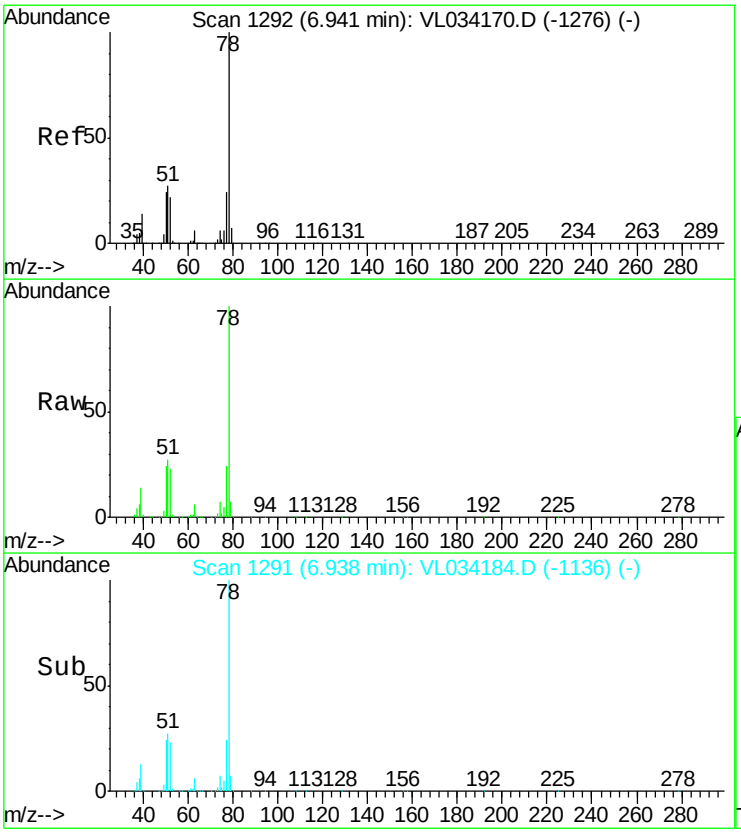
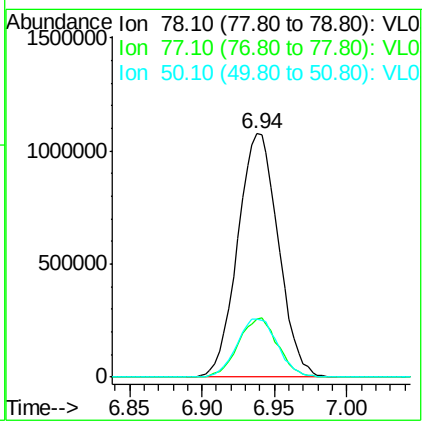
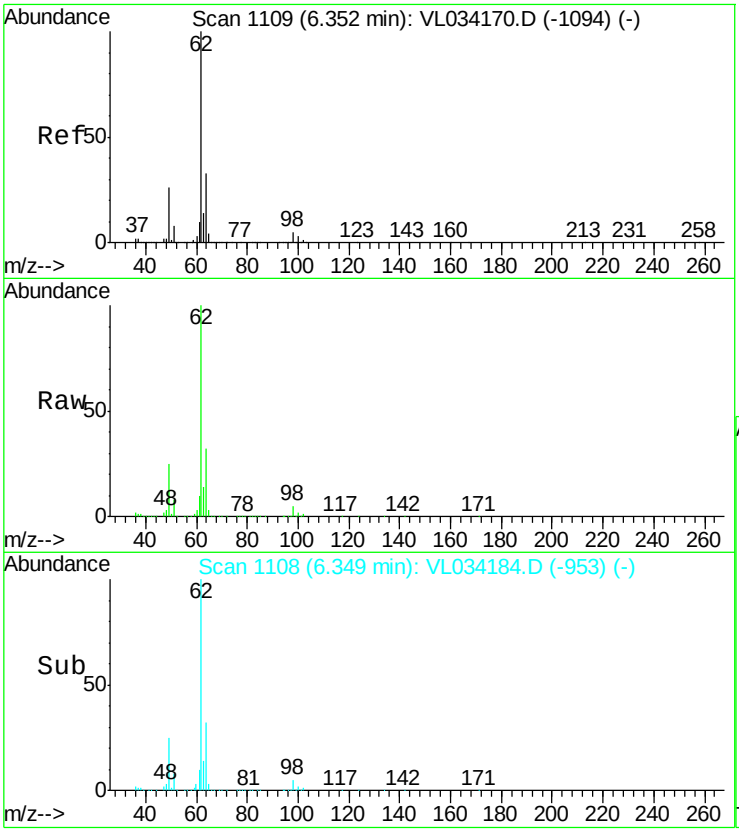


#36
Benzene
Concen: 9.279 ppbv
RT: 6.94 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 78 Resp: 2093777

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4
50	23.8	18.9	28.3

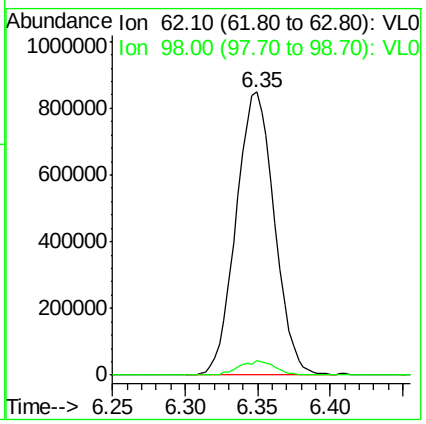




#37
1,2-Dichloroethane
Concen: 9.724 ppbv
RT: 6.35 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 62 Resp: 1560767

Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.8



Instrument :
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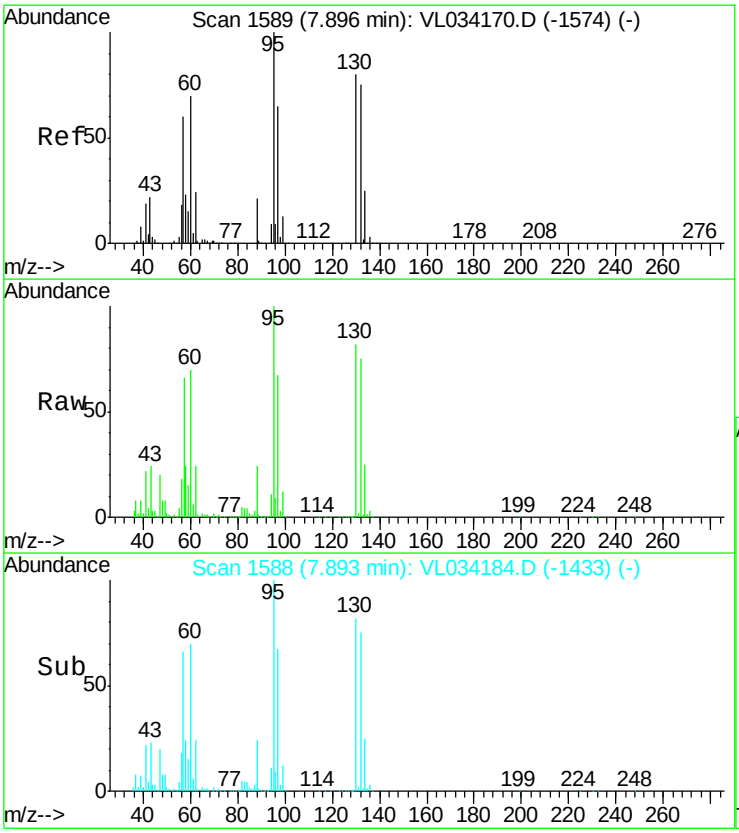
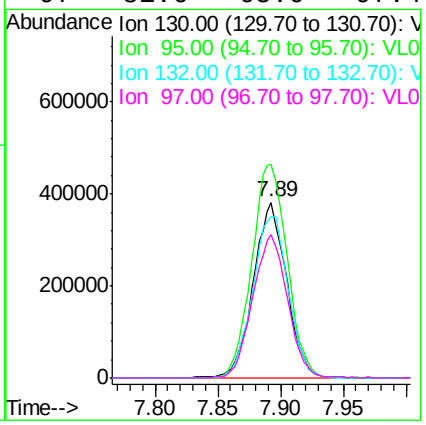
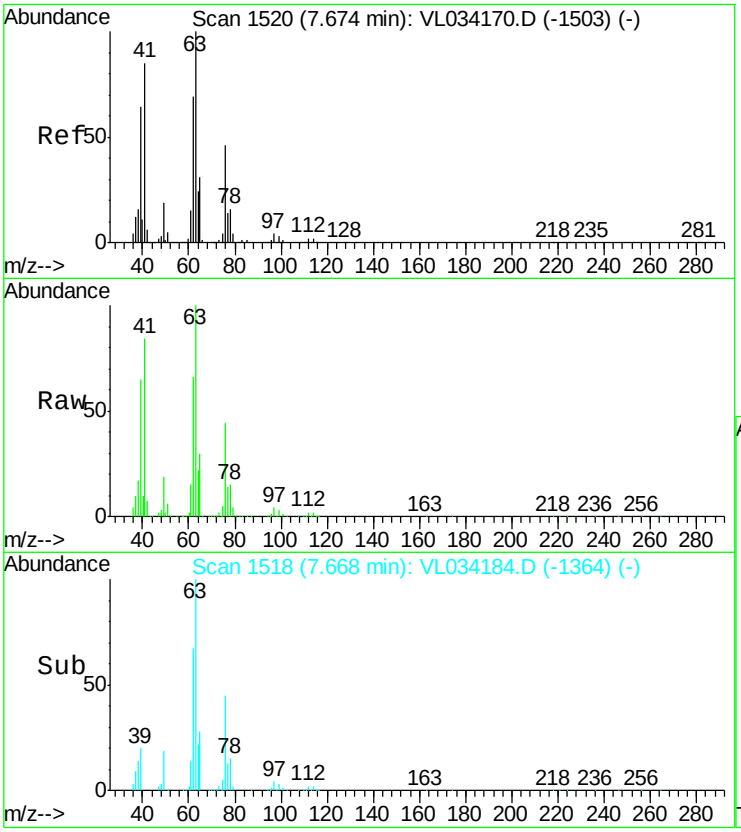


#38
Trichloroethene
Concen: 8.744 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:130 Resp: 705019

Ion	Ratio	Lower	Upper
130	100		
95	121.6	99.8	149.6
132	91.6	75.2	112.8
97	81.6	65.0	97.4

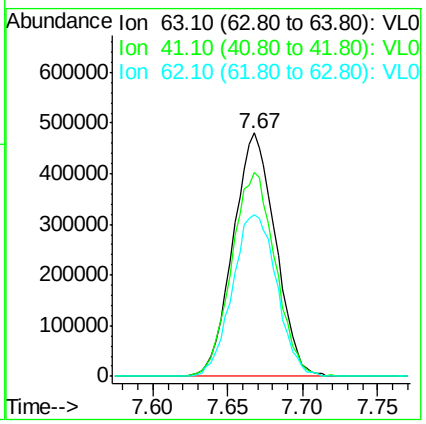




#39
1,2-Dichloropropane
Concen: 9.292 ppbv
RT: 7.67 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 63 Resp: 942067

Ion	Ratio	Lower	Upper
63	100		
41	83.9	68.4	102.6
62	66.5	55.4	83.2



Instrument :
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ClientSampleId :
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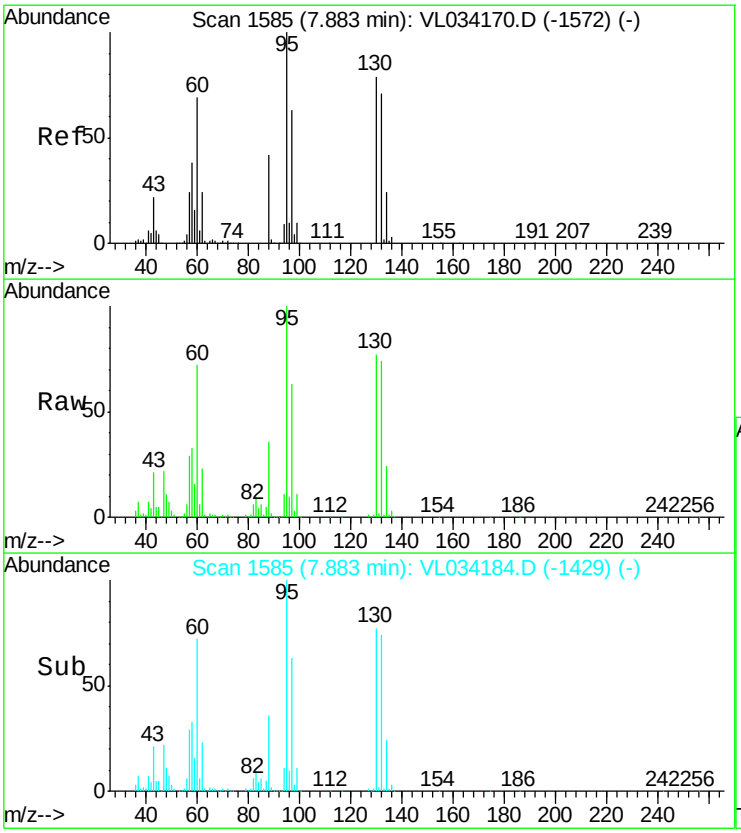
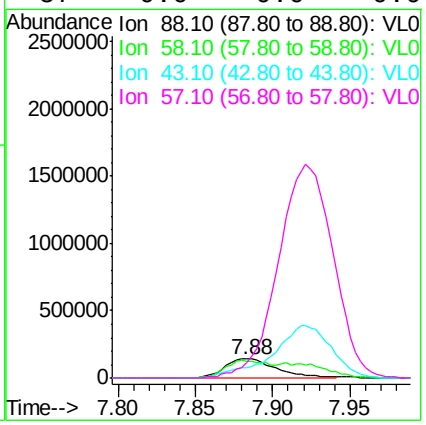
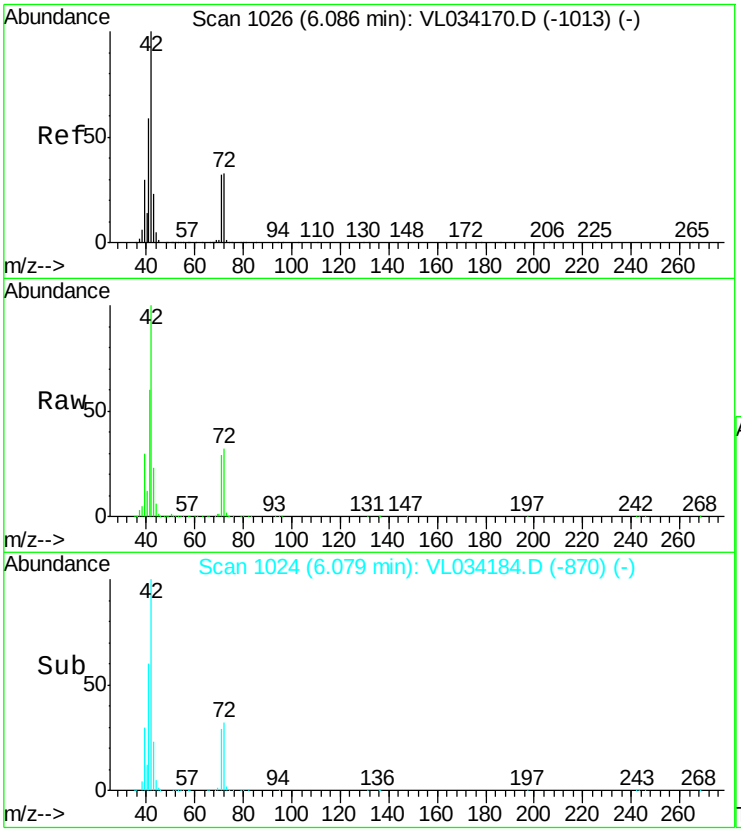


#40
1,4-Dioxane
Concen: 9.741 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 88 Resp: 319605

Ion	Ratio	Lower	Upper
88	100		
58	153.7	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0

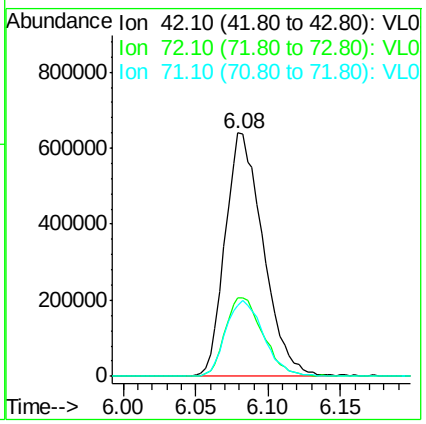




#41
Tetrahydrofuran
Concen: 9.940 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 42 Resp: 1167985

Ion	Ratio	Lower	Upper
42	100		
72	32.4	26.6	40.0
71	31.5	25.1	37.7



Instrument :
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ClientSampleId :
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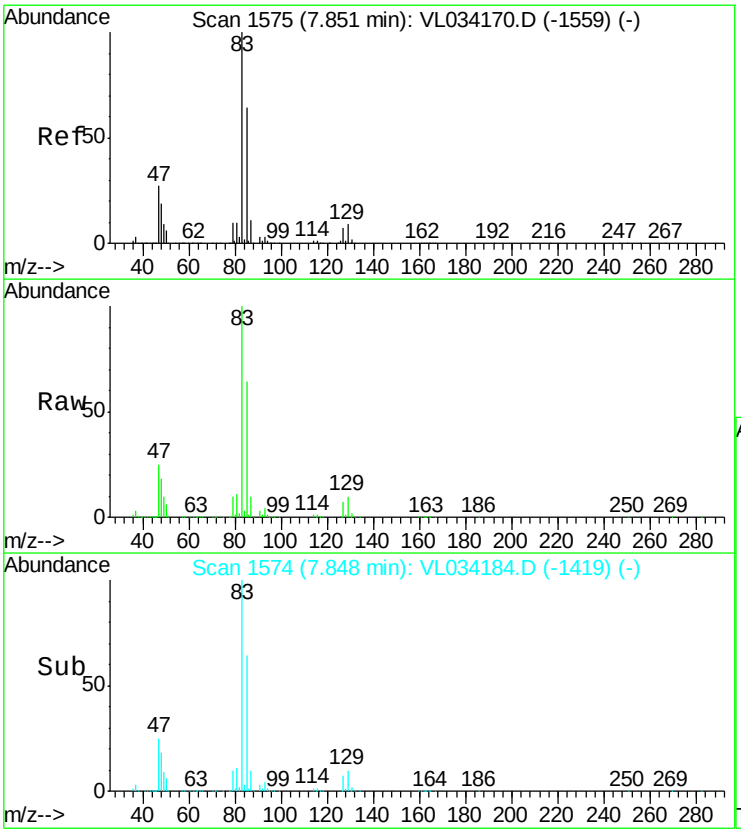
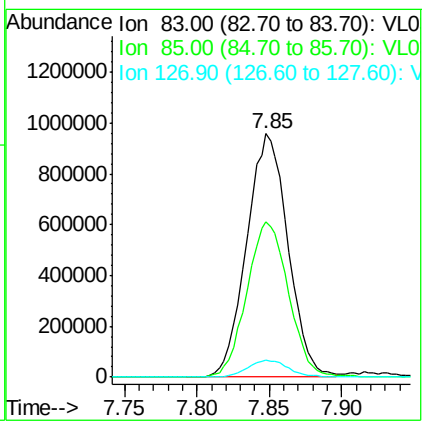
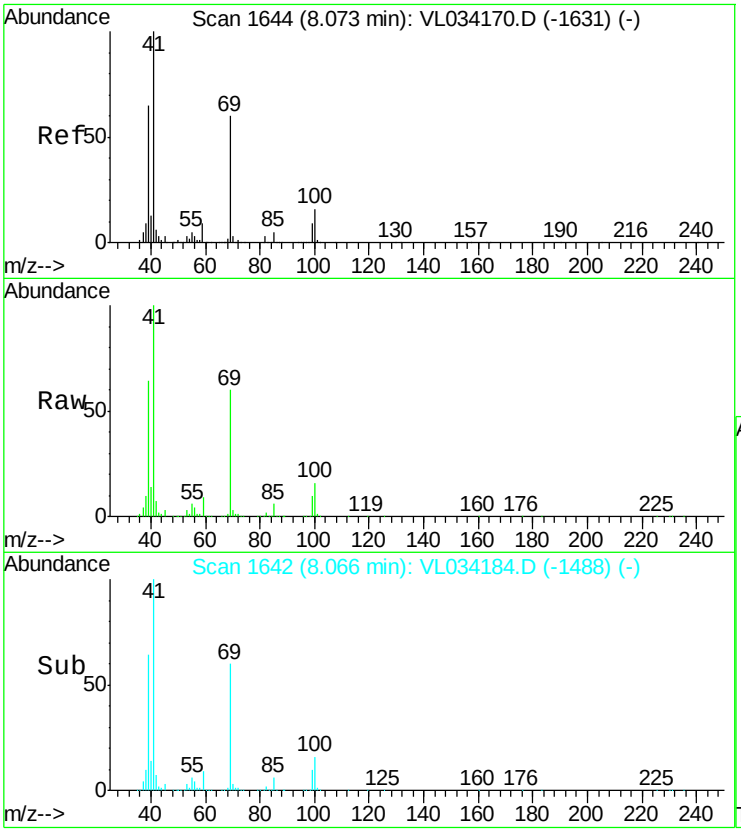


#42
Bromodichloromethane
Concen: 9.860 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 83 Resp: 1899299

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.0
127	7.0	5.5	8.3

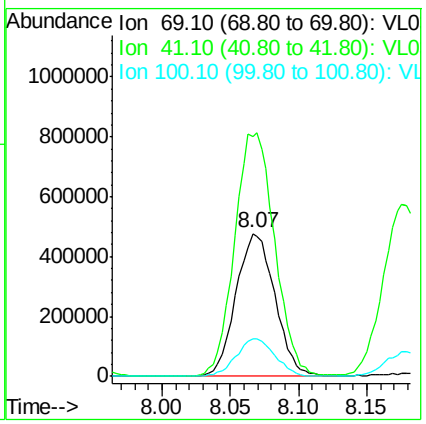




#43
Methyl Methacrylate
Concen: 10.168 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 69 Resp: 947849

Ion	Ratio	Lower	Upper
69	100		
41	175.0	140.4	210.6
100	26.1	21.9	32.9



Instrument :
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ClientSampleId :
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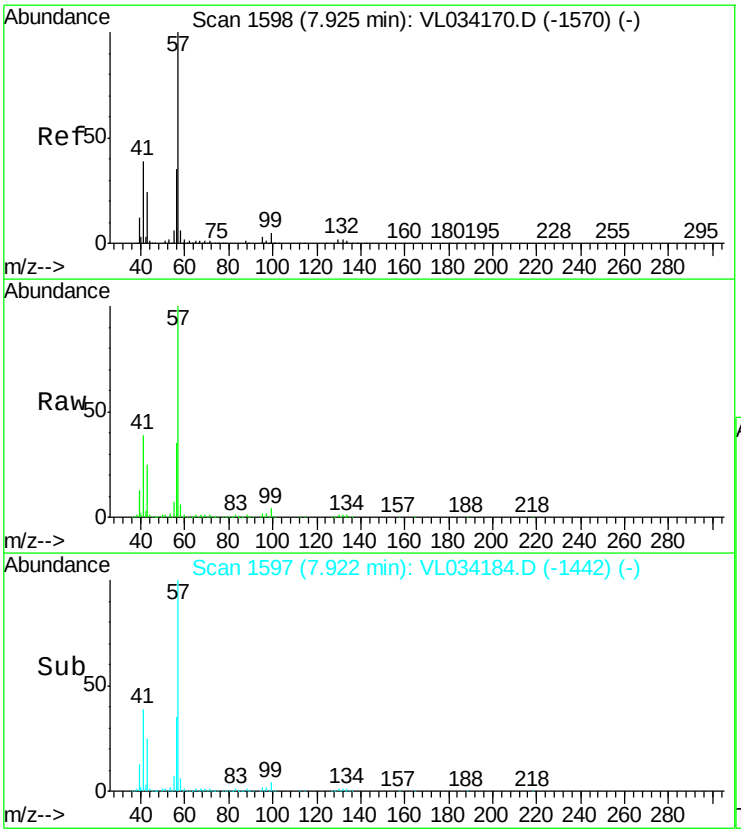
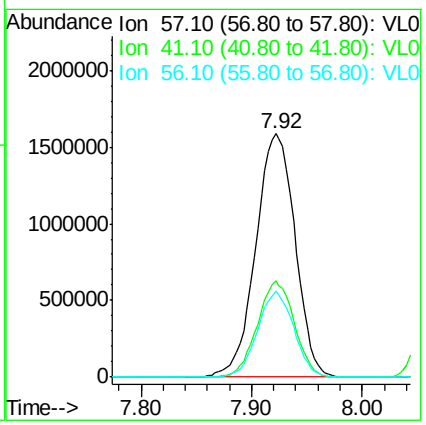
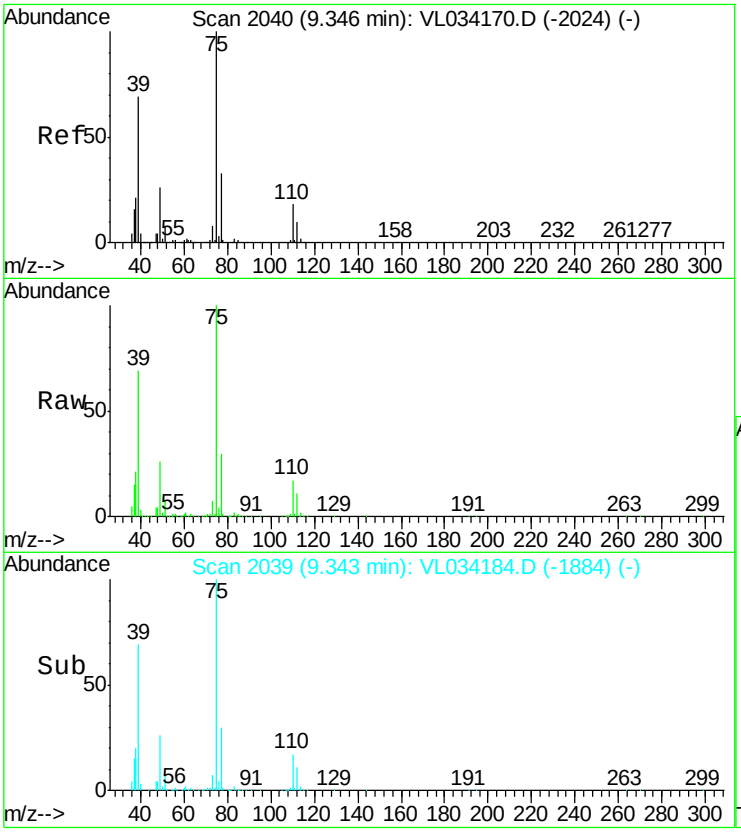


#44
2,2,4-Trimethylpentane
Concen: 9.020 ppbv
RT: 7.92 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 57 Resp: 3918320

Ion	Ratio	Lower	Upper
57	100		
41	37.3	29.8	44.6
56	32.4	25.9	38.9

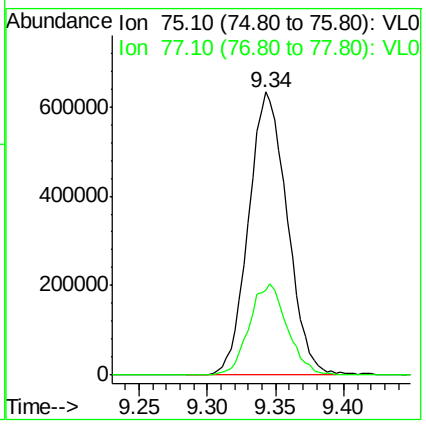




#45
t-1,3-Dichloropropene
Concen: 11.284 ppbv
RT: 9.34 min Scan# 2039
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 75 Resp: 1243739

Ion	Ratio	Lower	Upper
75	100		
77	30.1	26.2	39.2



Instrument :
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ClientSampleId :
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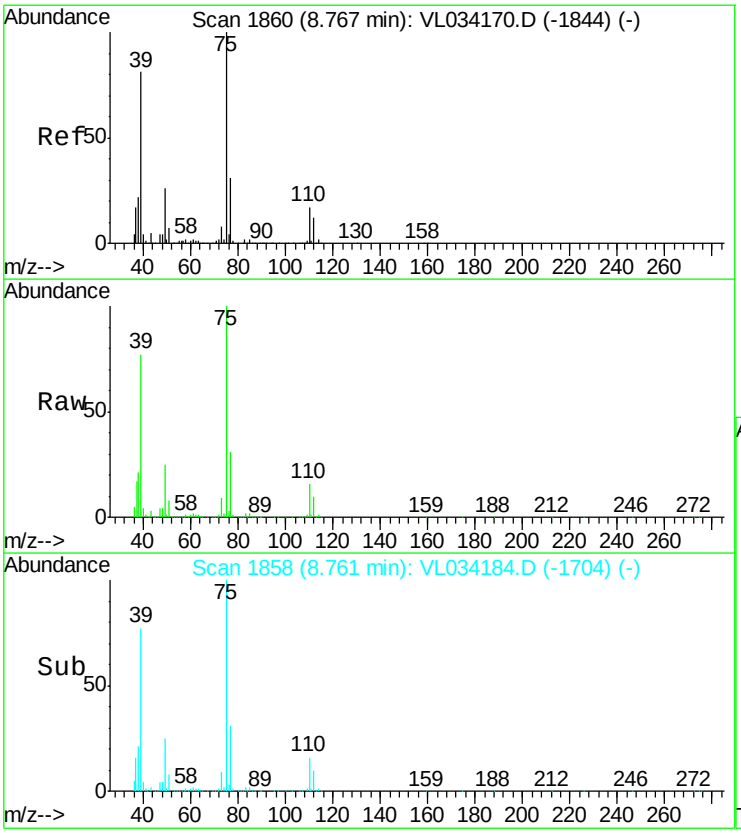
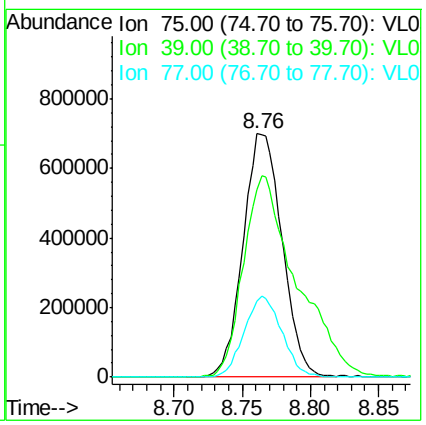
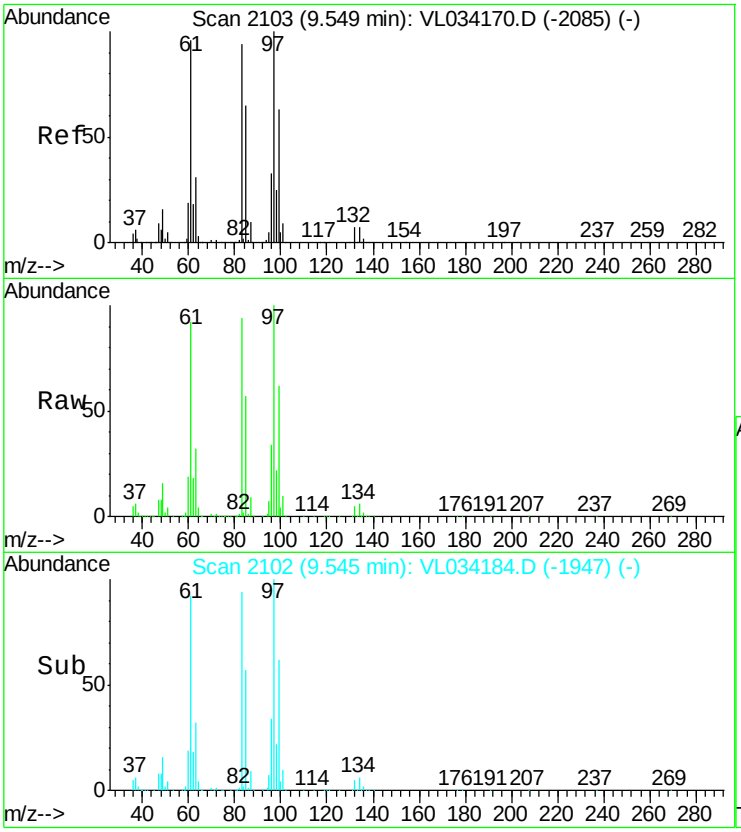


#46
cis-1,3-Dichloropropene
Concen: 10.492 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 75 Resp: 1391093

Ion	Ratio	Lower	Upper
75	100		
39	77.1	65.0	97.4
77	31.1	24.5	36.7

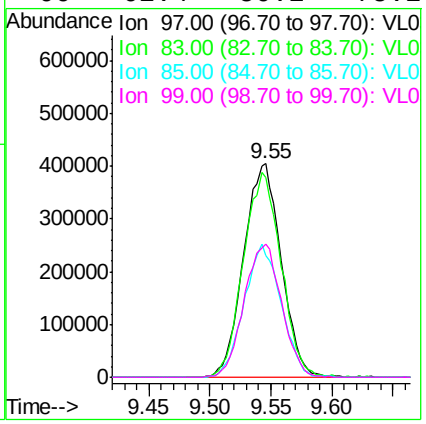




#47
1,1,2-Trichloroethane
Concen: 9.415 ppbv
RT: 9.55 min Scan# 2102
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 97 Resp: 857176

Ion	Ratio	Lower	Upper
97	100		
83	93.7	75.3	112.9
85	56.8	52.1	78.1
99	62.4	50.2	75.2



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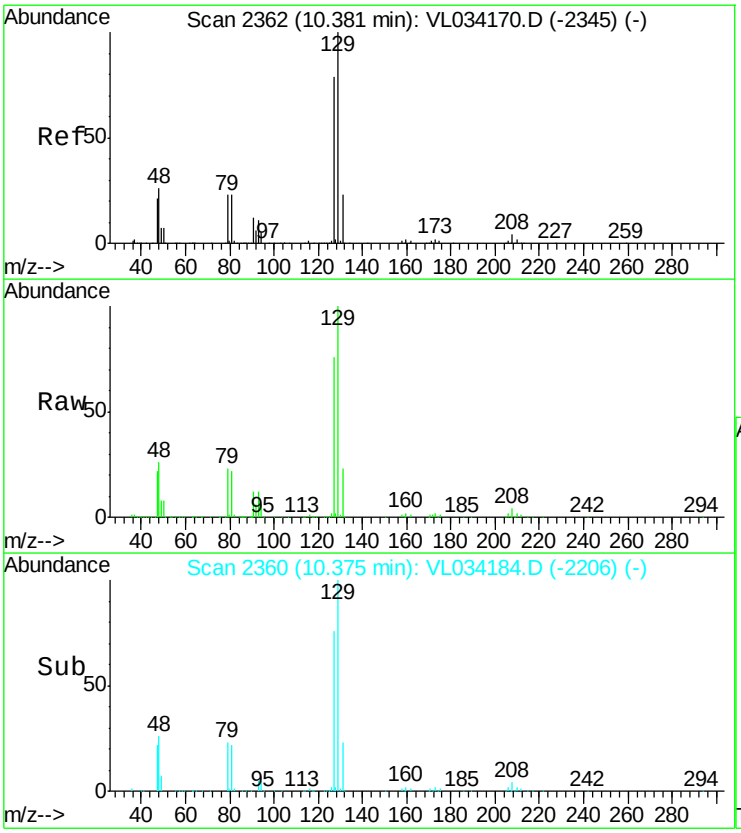
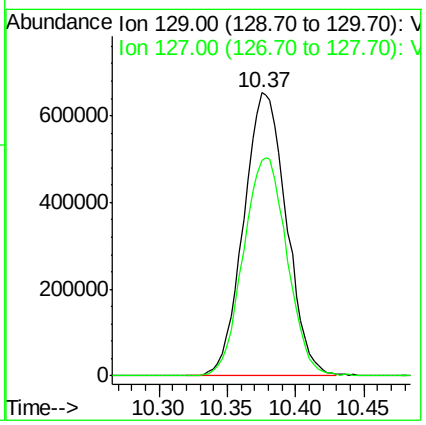
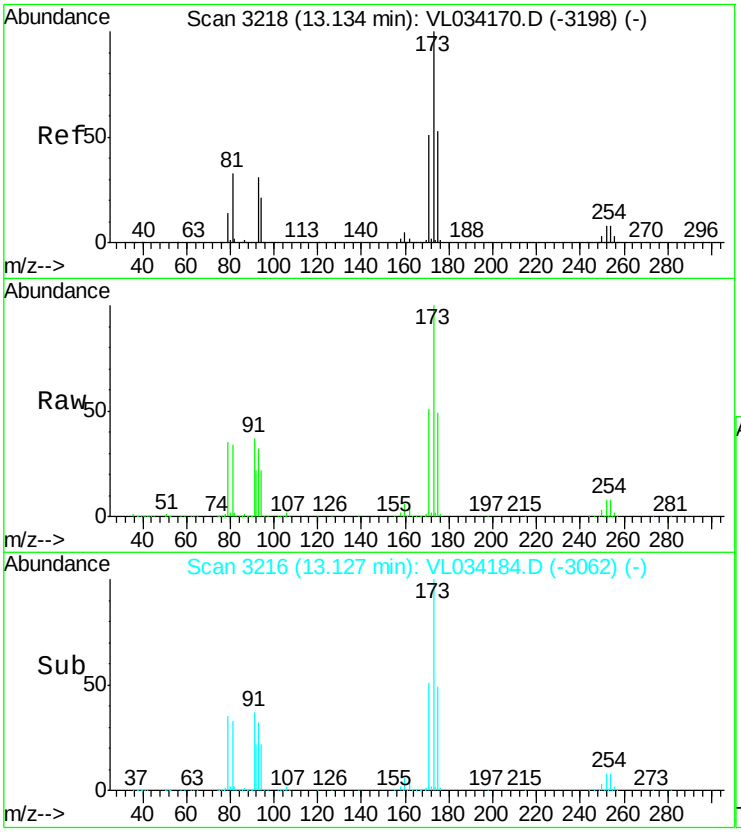


#48
Dibromochloromethane
Concen: 9.852 ppbv
RT: 10.37 min Scan# 2360
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:129 Resp: 1421630

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6

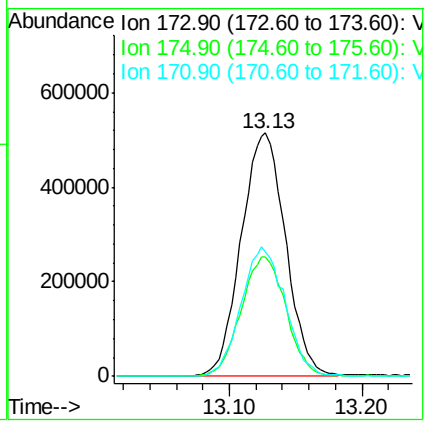




#49
Bromoform
Concen: 10.272 ppbv
RT: 13.13 min Scan# 3216
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:173 Resp: 1199470

Ion	Ratio	Lower	Upper
173	100		
175	49.9	40.3	60.5
171	53.0	42.0	63.0



Instrument :
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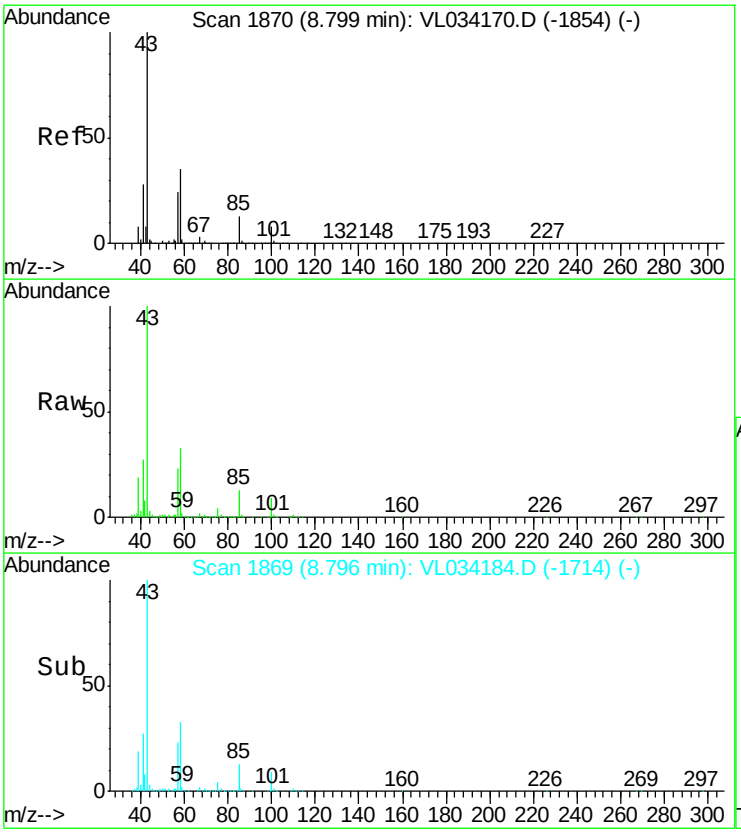
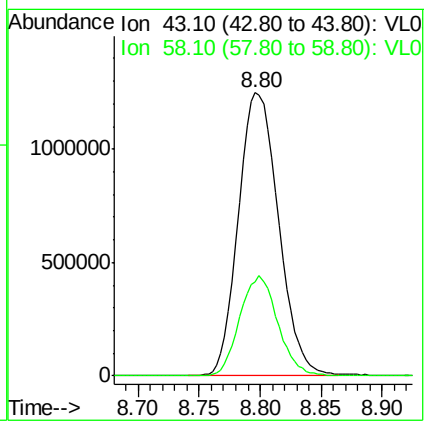
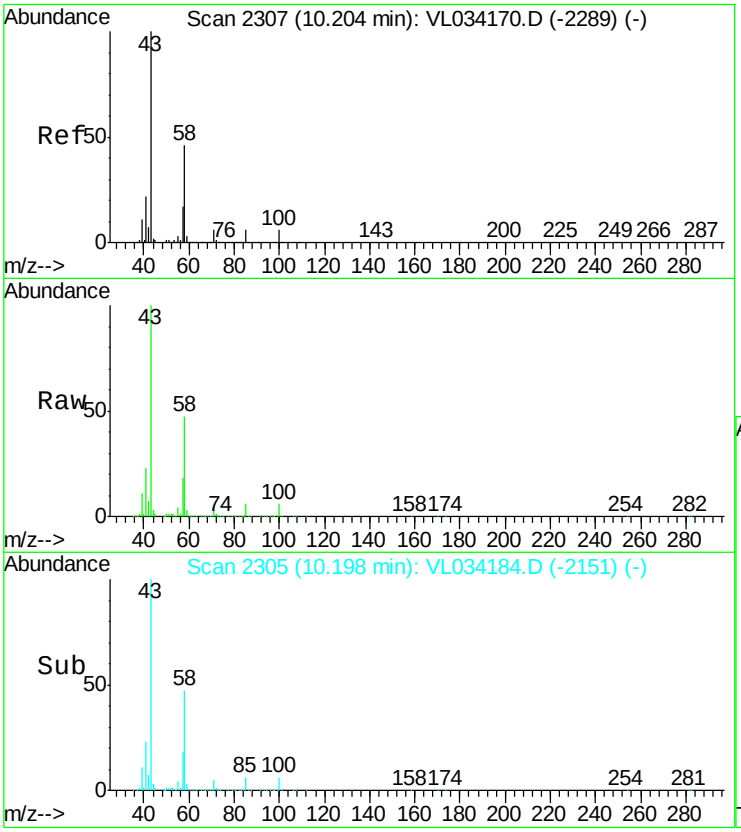


#50
4-Methyl-2-Pentanone
Concen: 9.365 ppbv
RT: 8.80 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 43 Resp: 2843468

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.6	41.4





#51
2-Hexanone
Concen: 9.611 ppbv
RT: 10.20 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 43 Resp: 2448891

Ion	Ratio	Lower	Upper
43	100		
58	45.3	36.2	54.4
98	0.1	0.2	0.2#

Instrument :
MSVOA_L
ClientSampleId :
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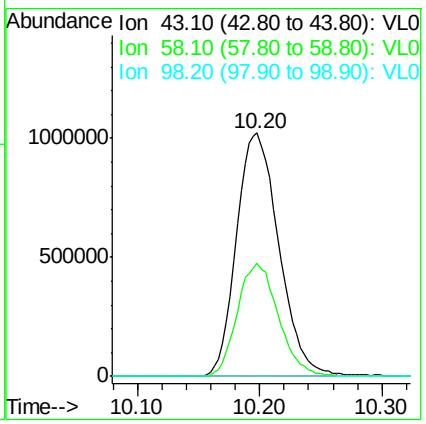
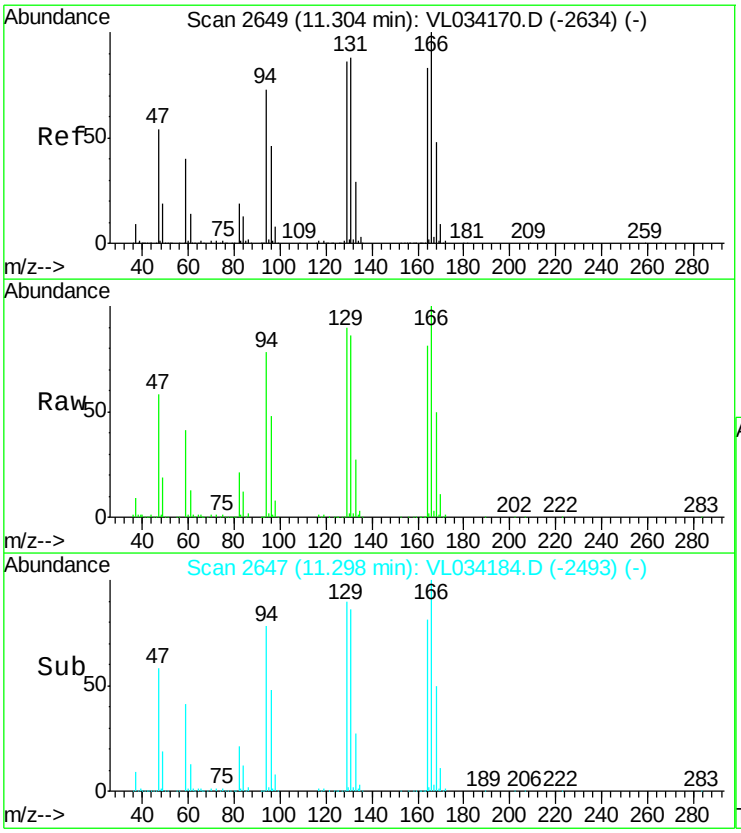
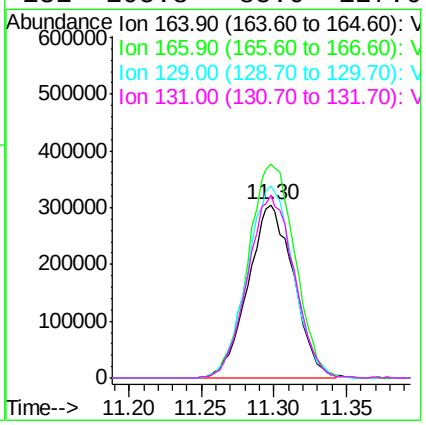


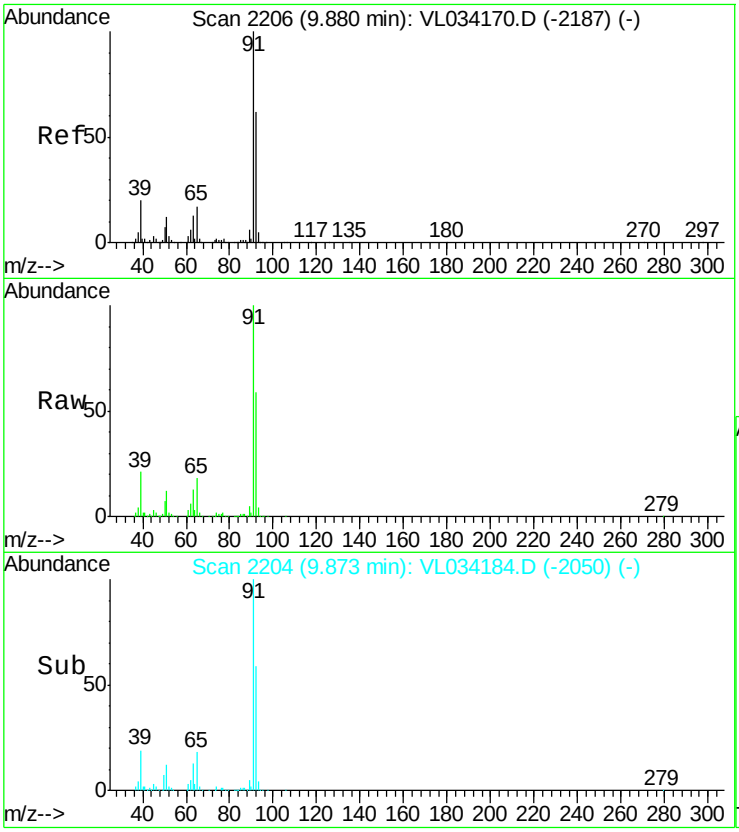


#52
Tetrachloroethene
Concen: 8.933 ppbv
RT: 11.30 min Scan# 2647
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:164 Resp: 666001

Ion	Ratio	Lower	Upper
164	100		
166	123.4	96.7	145.1
129	111.4	82.8	124.2
131	105.8	85.0	127.6

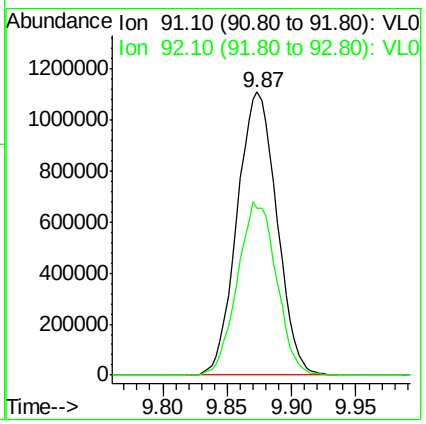




#53
Toluene
Concen: 9.643 ppbv
RT: 9.87 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 91 Resp: 2378162

Ion	Ratio	Lower	Upper
91	100		
92	60.2	49.0	73.6



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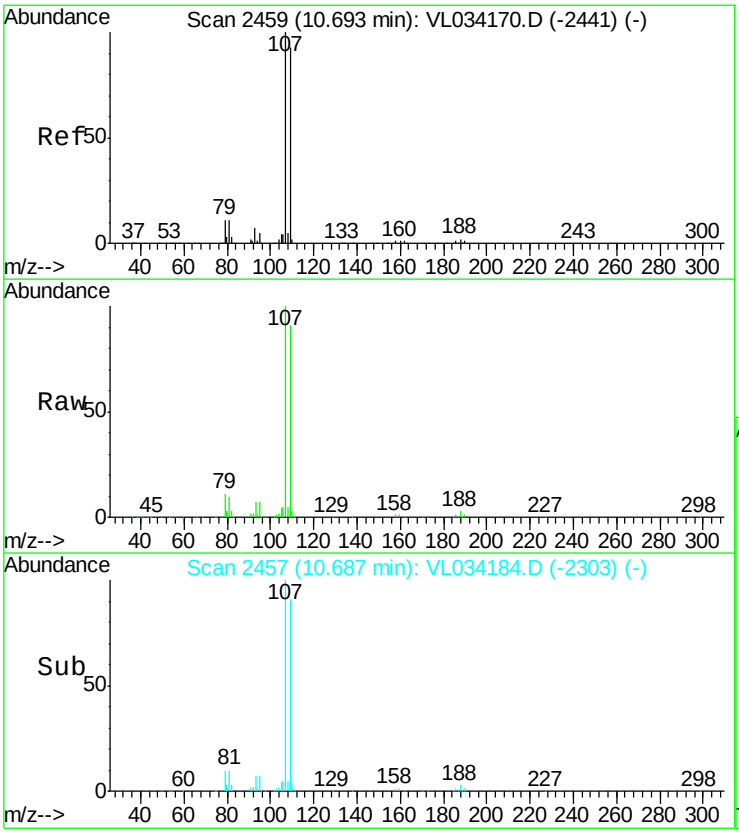
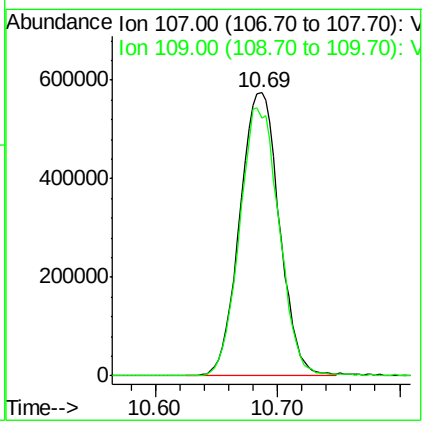
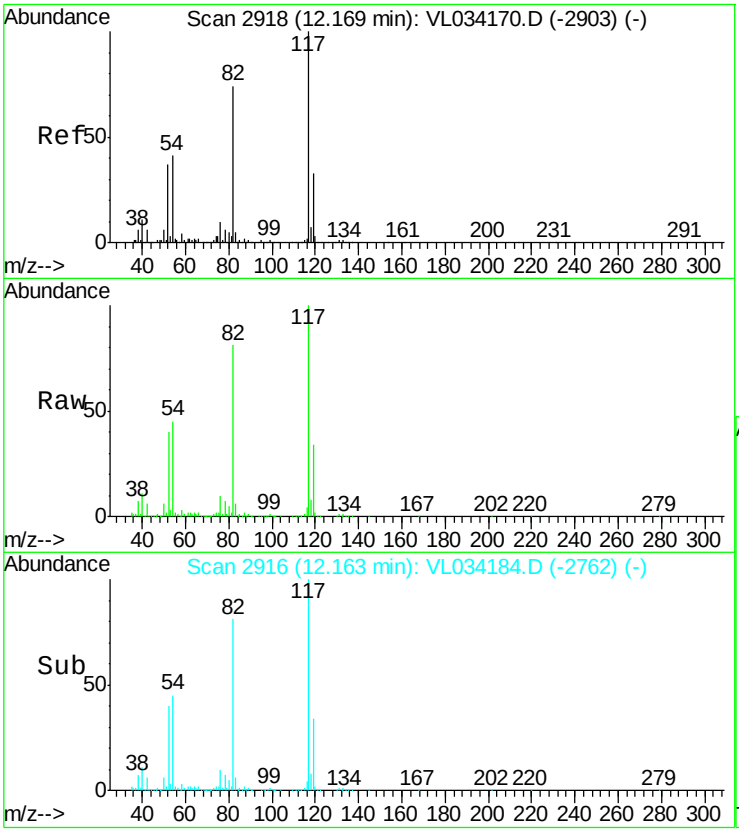


#54
1,2-Dibromoethane
Concen: 9.478 ppbv
RT: 10.69 min Scan# 2457
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:107 Resp: 1283265

Ion	Ratio	Lower	Upper
107	100		
109	91.2	74.5	111.7

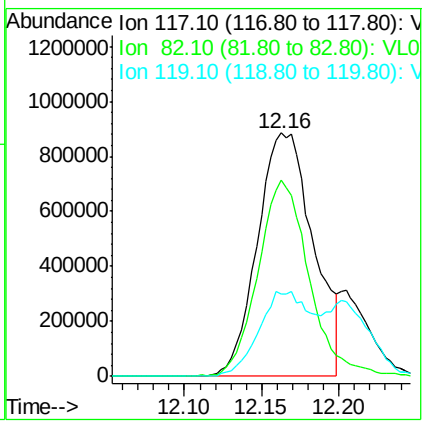




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:117 Resp: 2231487

Ion	Ratio	Lower	Upper
117	100		
82	73.6	58.2	87.4
119	33.1	23.7	35.5



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ClientSampleId :
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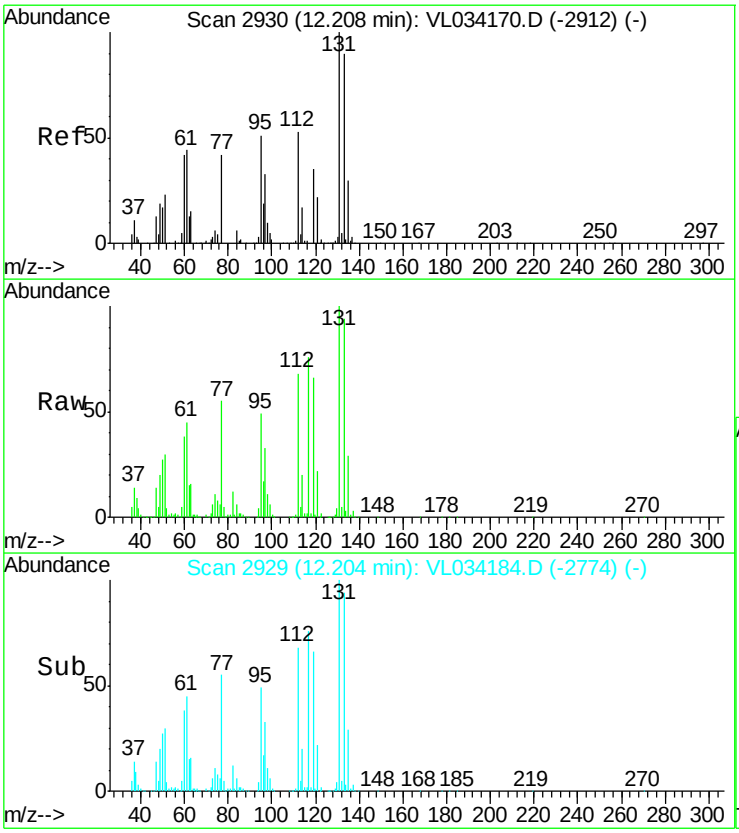
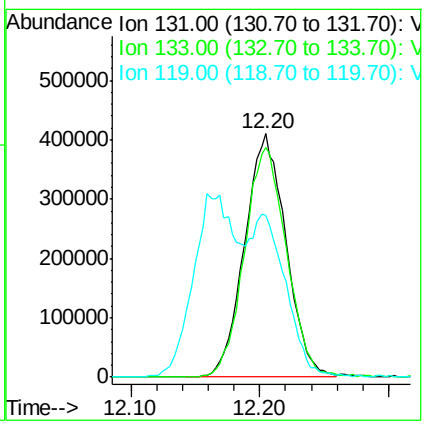
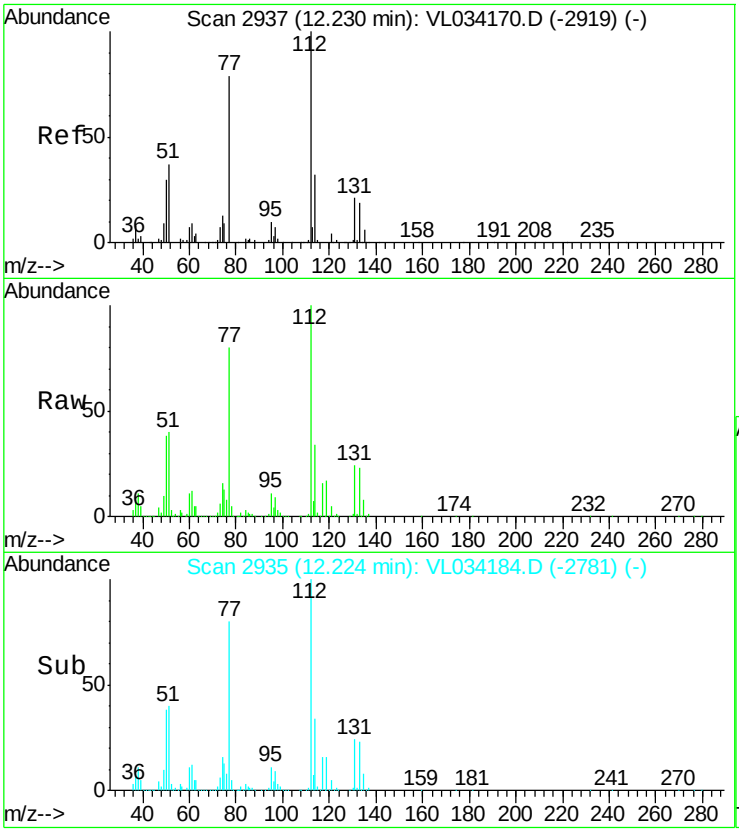


#56
1,1,1,2-Tetrachloroethane
Concen: 9.192 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:131 Resp: 914756

Ion	Ratio	Lower	Upper
131	100		
133	96.6	75.1	112.7
119	139.0	47.4	71.0#

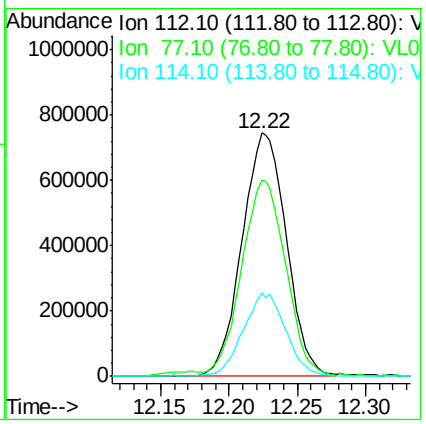




#57
Chlorobenzene
Concen: 8.632 ppbv
RT: 12.22 min Scan# 2935
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:112 Resp: 1677142

Ion	Ratio	Lower	Upper
112	100		
77	79.5	64.3	96.5
114	34.0	28.9	35.3



Instrument :
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ClientSampleId :
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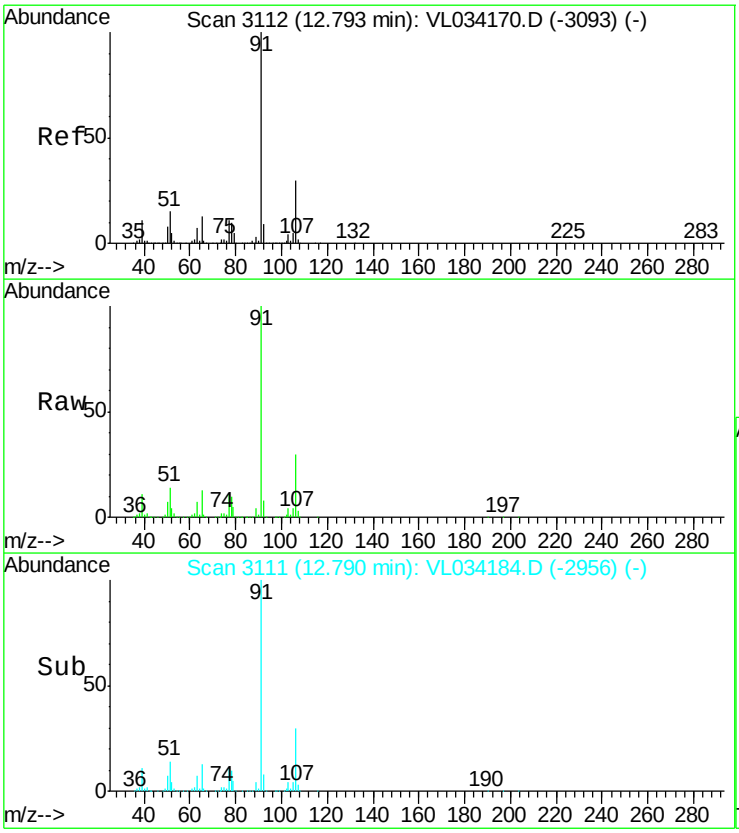
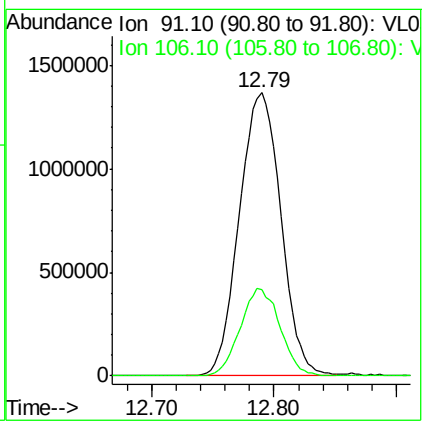
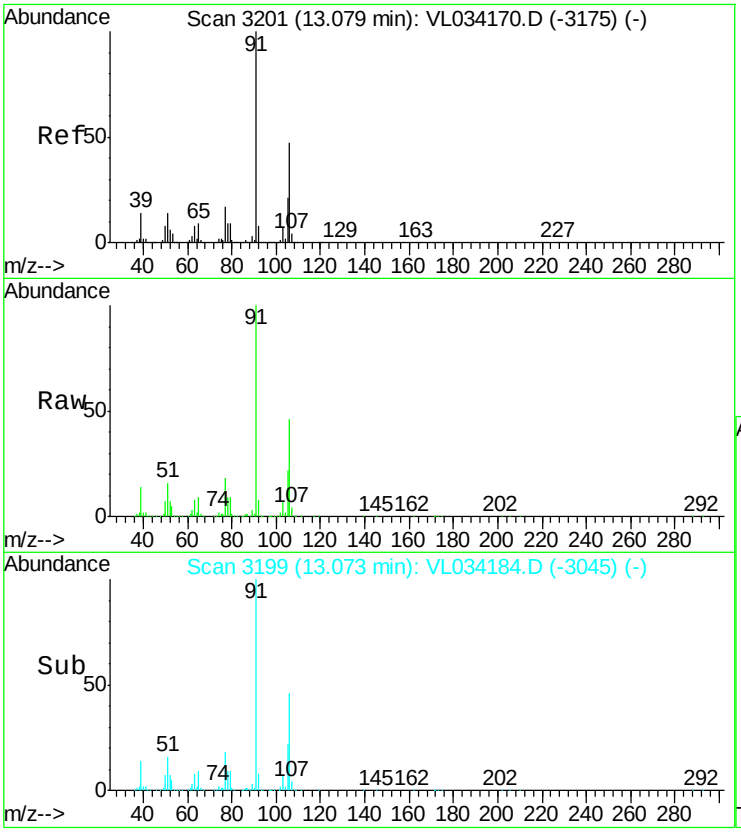


#58
Ethyl Benzene
Concen: 8.957 ppbv
RT: 12.79 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 91 Resp: 3224901

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.2	36.4

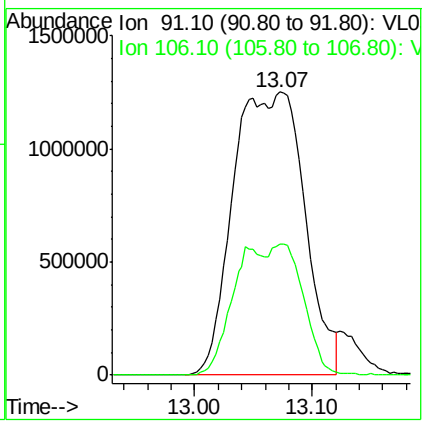




#59
m/p-Xylene
Concen: 17.704 ppbv m
RT: 13.07 min Scan# 3199
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 91 Resp: 5279655

Ion	Ratio	Lower	Upper
91	100		
106	43.7	35.5	53.3



Instrument :
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ClientSampleId :
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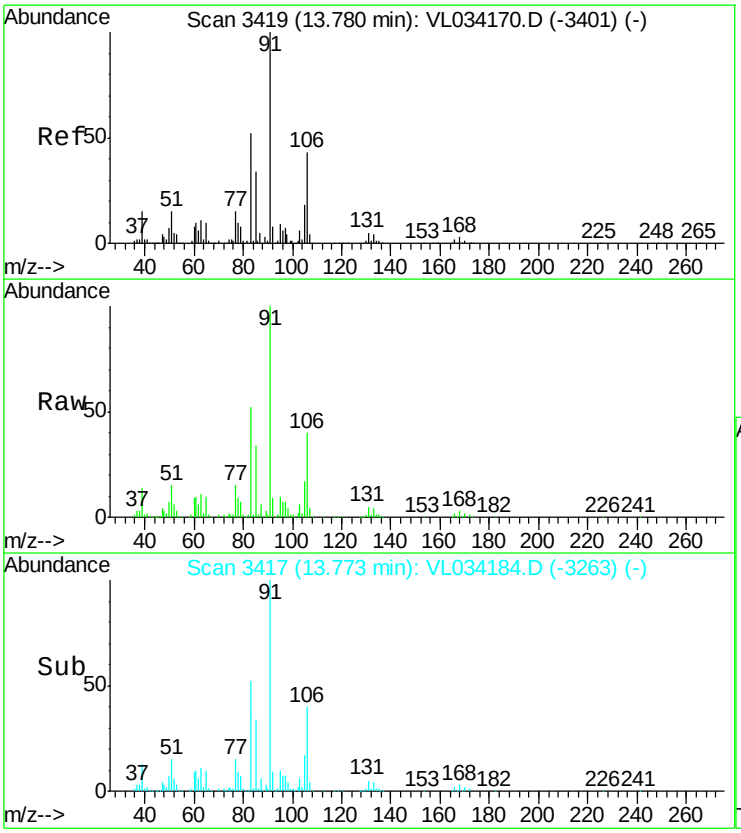
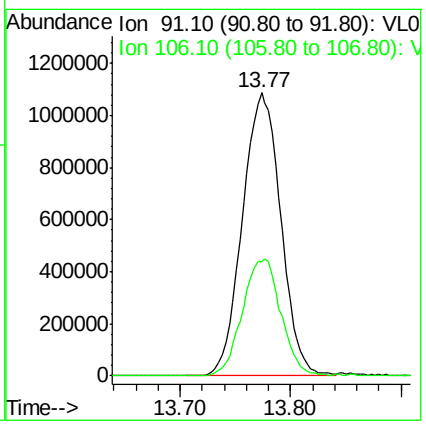
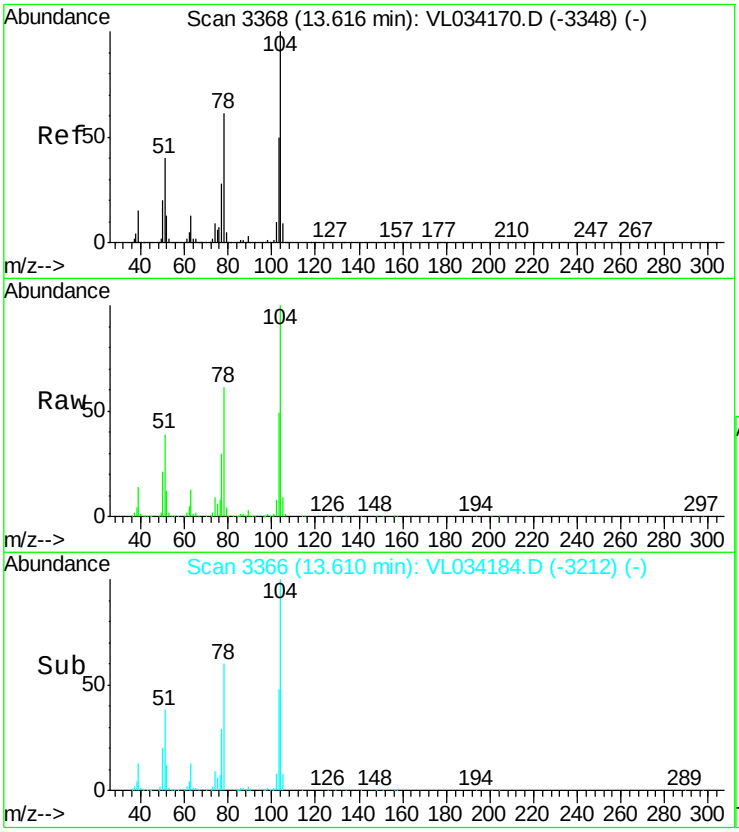


#60
o-Xylene
Concen: 8.783 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 91 Resp: 2619198

Ion	Ratio	Lower	Upper
91	100		
106	41.7	21.2	63.6

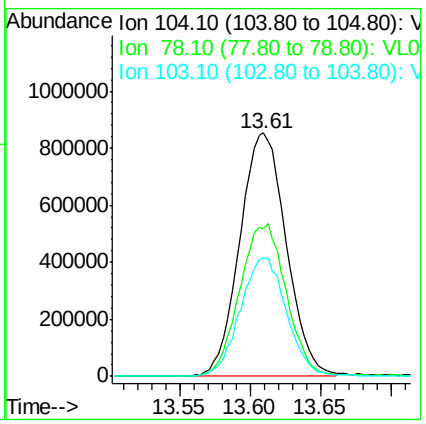




#61
Stvrene
Concen: 9.199 ppbv
RT: 13.61 min Scan# 3366
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:104 Resp: 1964997

Ion	Ratio	Lower	Upper
104	100		
78	63.2	49.7	74.5
103	48.9	38.4	57.6



Instrument :
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ClientSampleId :
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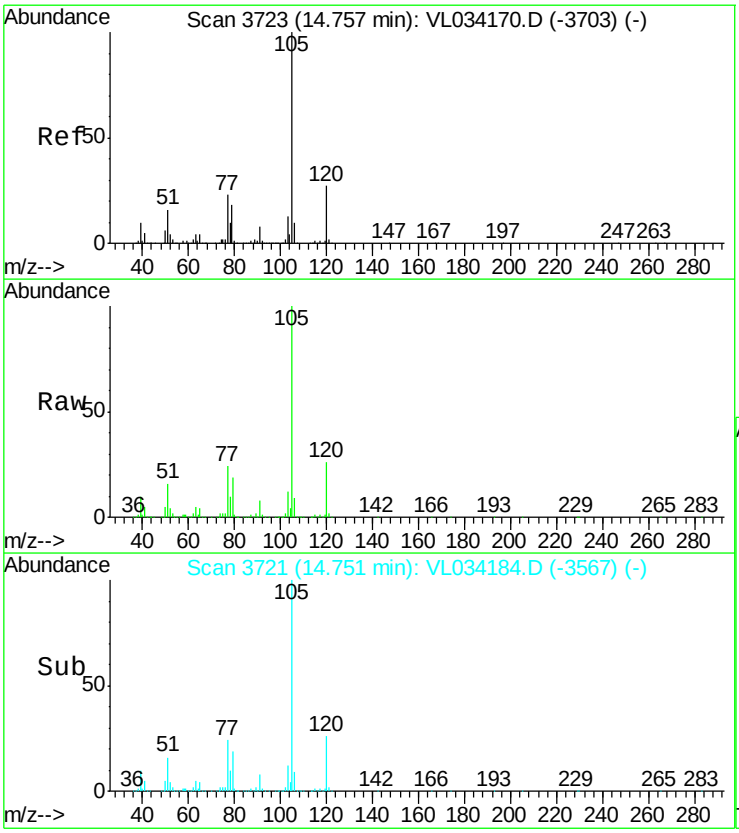
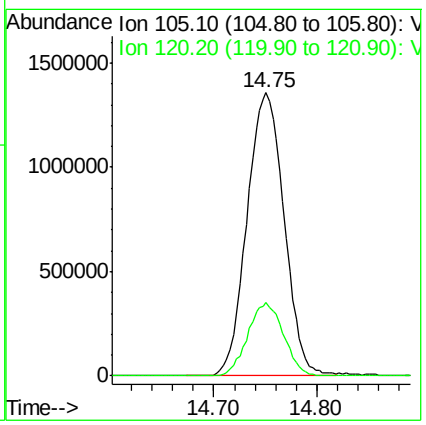
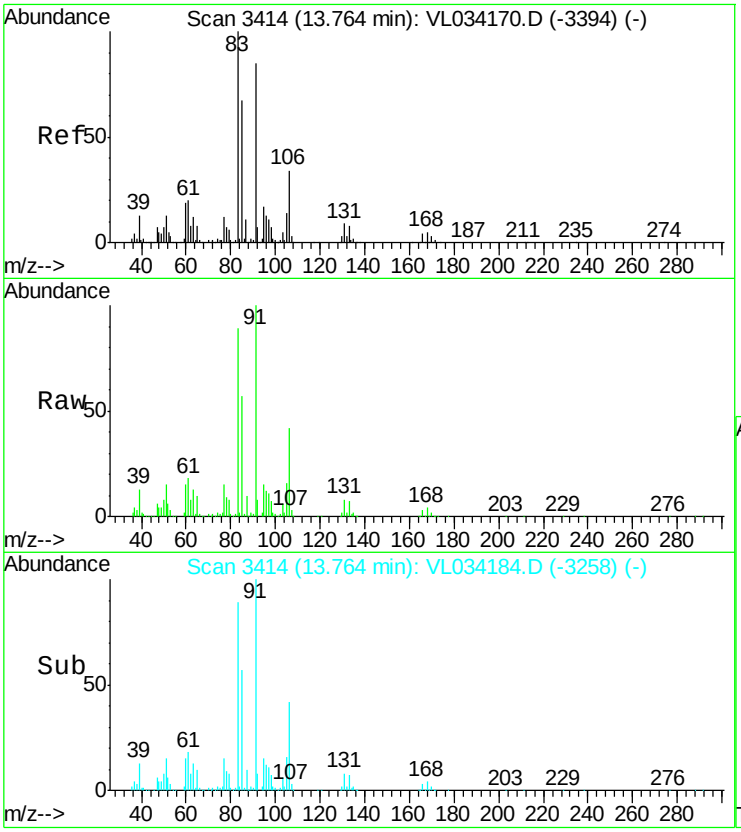


#62
Isopropylbenzene
Concen: 8.761 ppbv
RT: 14.75 min Scan# 3721
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:105 Resp: 3381970

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.7	31.1

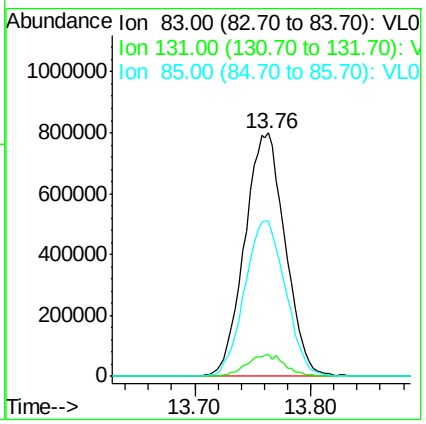




#63
1,1,2,2-Tetrachloroethane
Concen: 7.939 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 83 Resp: 1941206

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	64.3	32.8	98.4



Instrument :
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ClientSampleId :
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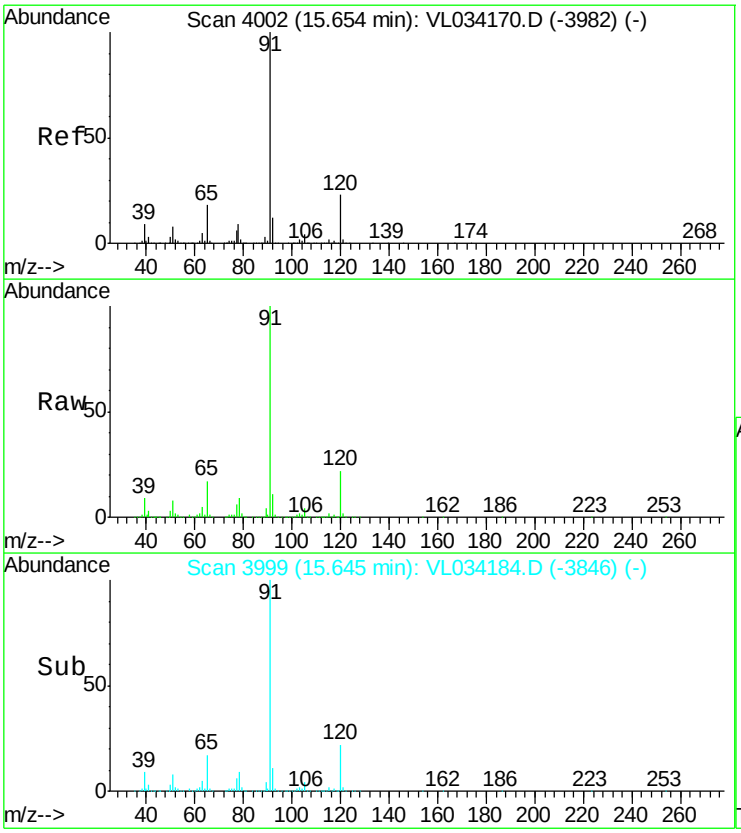
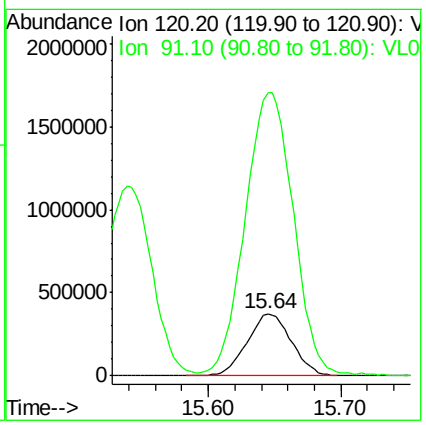
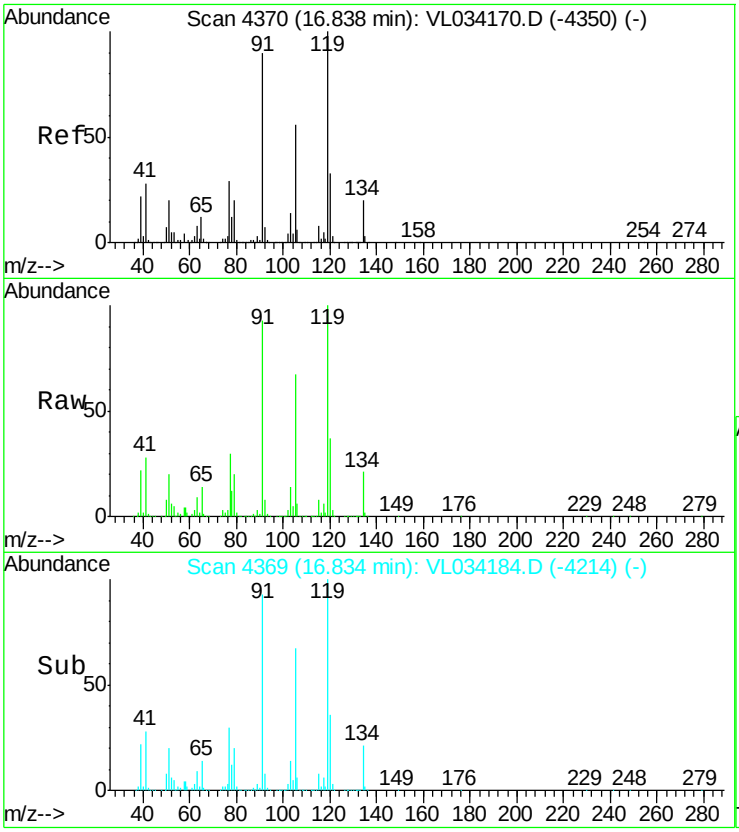


#64
n-propylbenzene
Concen: 8.893 ppbv
RT: 15.64 min Scan# 3999
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:120 Resp: 868551

Ion	Ratio	Lower	Upper
120	100		
91	498.3	378.2	567.2

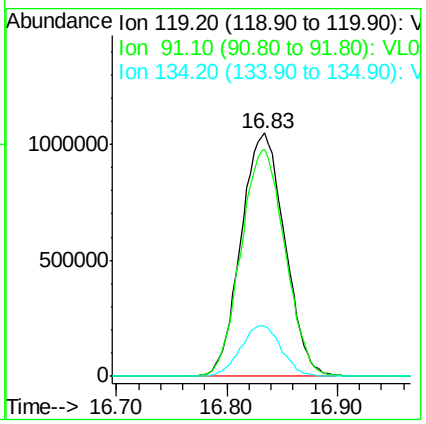




#65
tert-Butylbenzene
Concen: 8.541 ppbv
RT: 16.83 min Scan# 4369
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:119 Resp: 2880787

Ion	Ratio	Lower	Upper
119	100		
91	94.2	74.9	112.3
134	19.5	15.8	23.6



Instrument :
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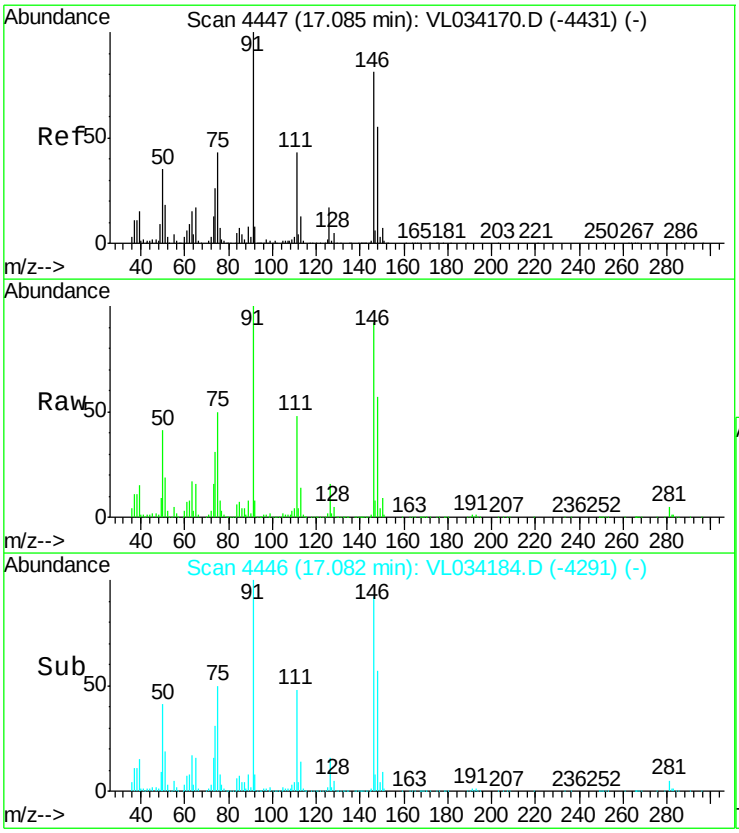
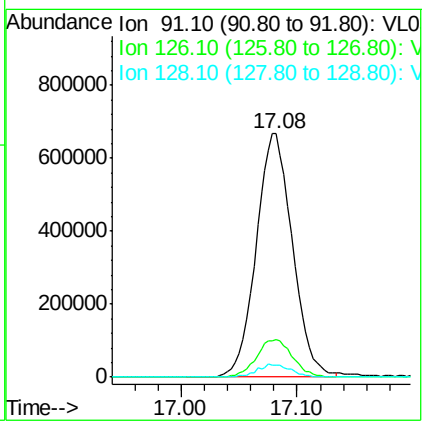
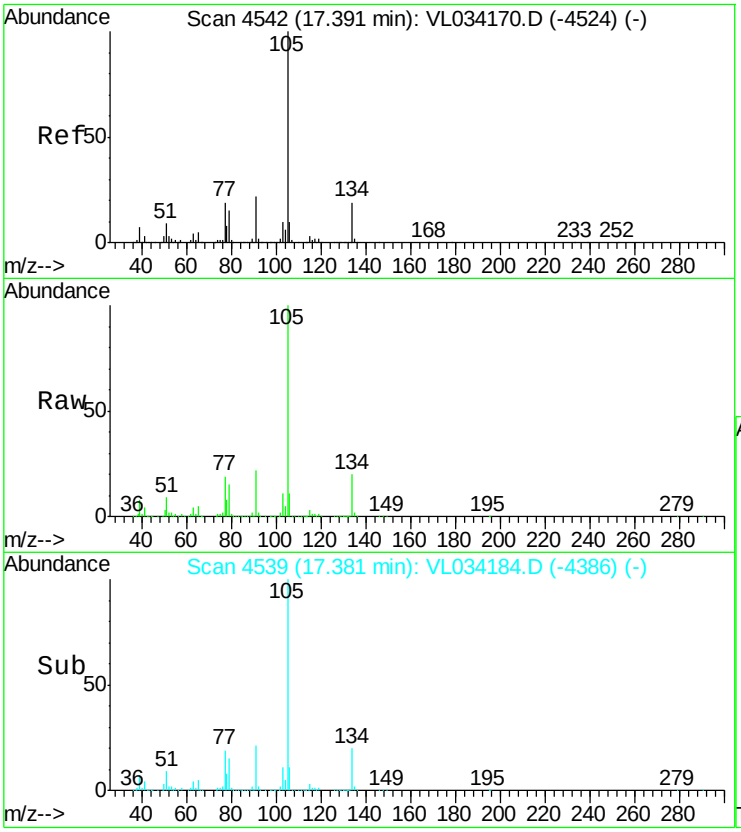


#66
Benzyl Chloride
Concen: 12.113 ppbv
RT: 17.08 min Scan# 4446
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 91 Resp: 1445484

Ion	Ratio	Lower	Upper
91	100		
126	15.4	12.6	19.0
128	5.0	4.0	6.0

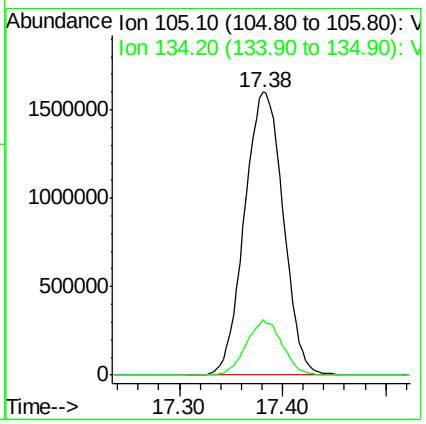




#67
sec-Butylbenzene
Concen: 8.645 ppbv
RT: 17.38 min Scan# 4539
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:105 Resp: 4169914

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	22.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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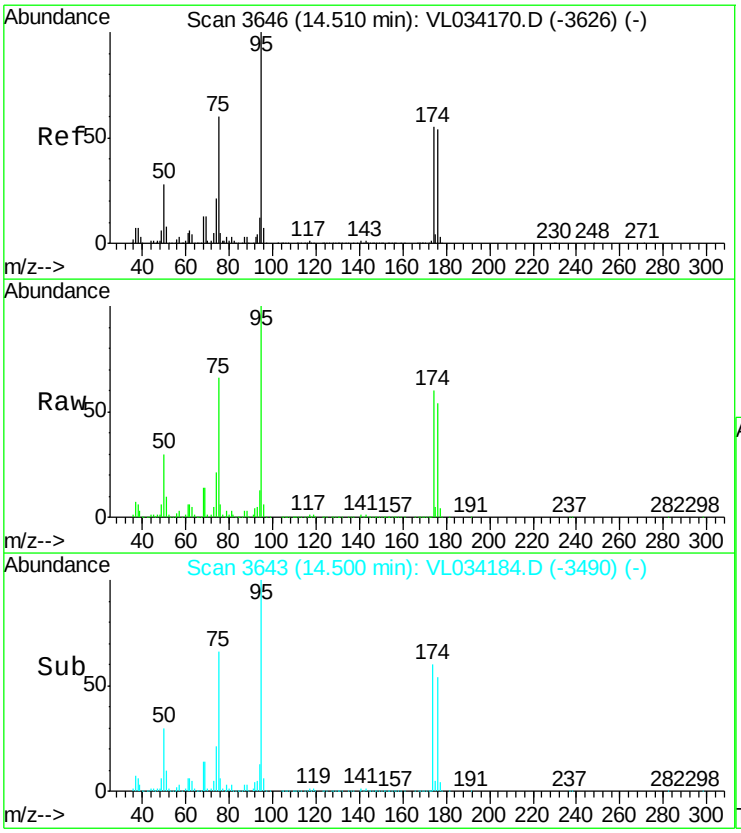
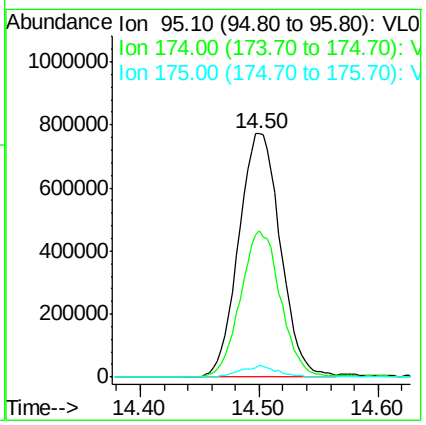
9/20/2019 12:37:13 AM

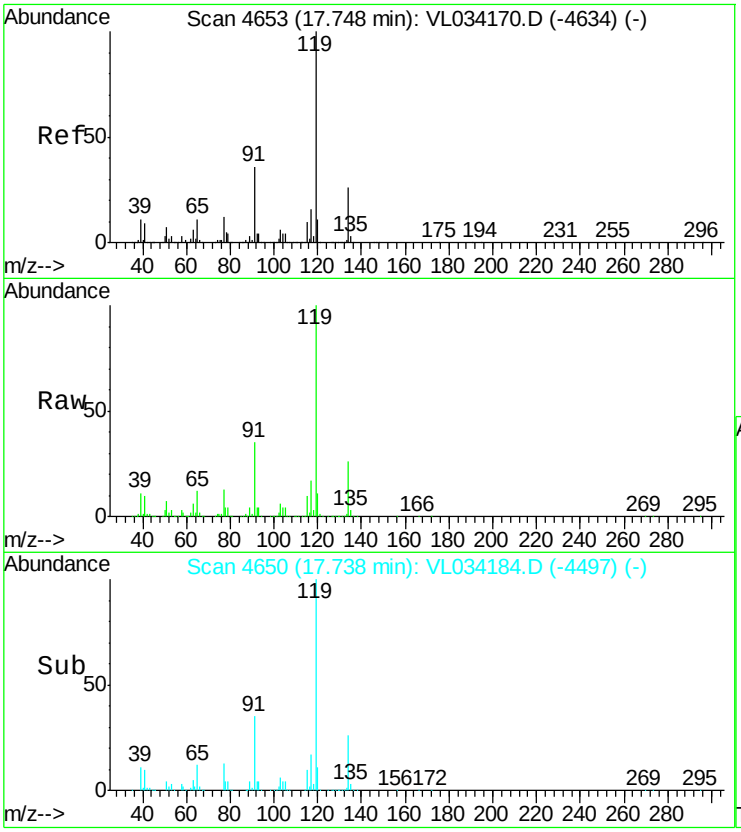


#68
1-Bromo-4-Fluorobenzene
Concen: 9.676 ppbv
RT: 14.50 min Scan# 3643
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 95 Resp: 1876105

Ion	Ratio	Lower	Upper
95	100		
174	58.4	45.1	67.7
175	4.2	3.3	4.9

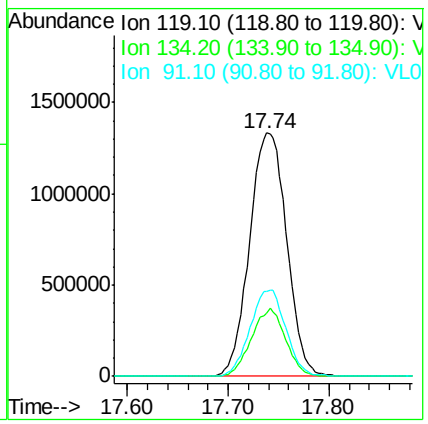




#69
p-Isopropyltoluene
Concen: 8.710 ppbv
RT: 17.74 min Scan# 4650
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:119 Resp: 3401876

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	34.4	27.6	41.4



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ClientSampleId :
VSTDCCC010

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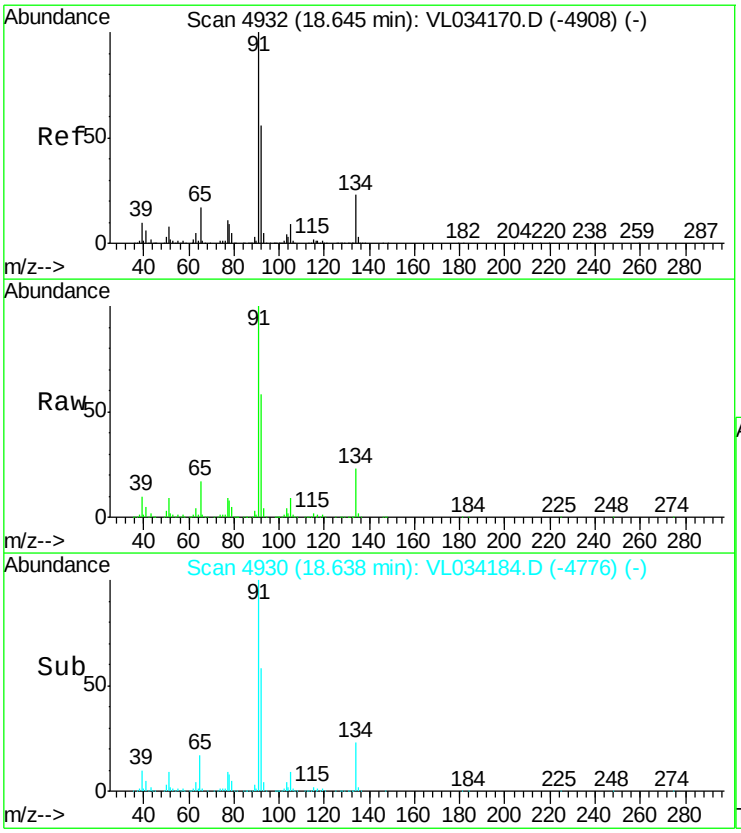
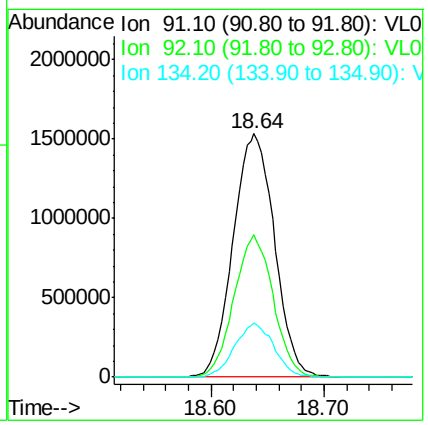
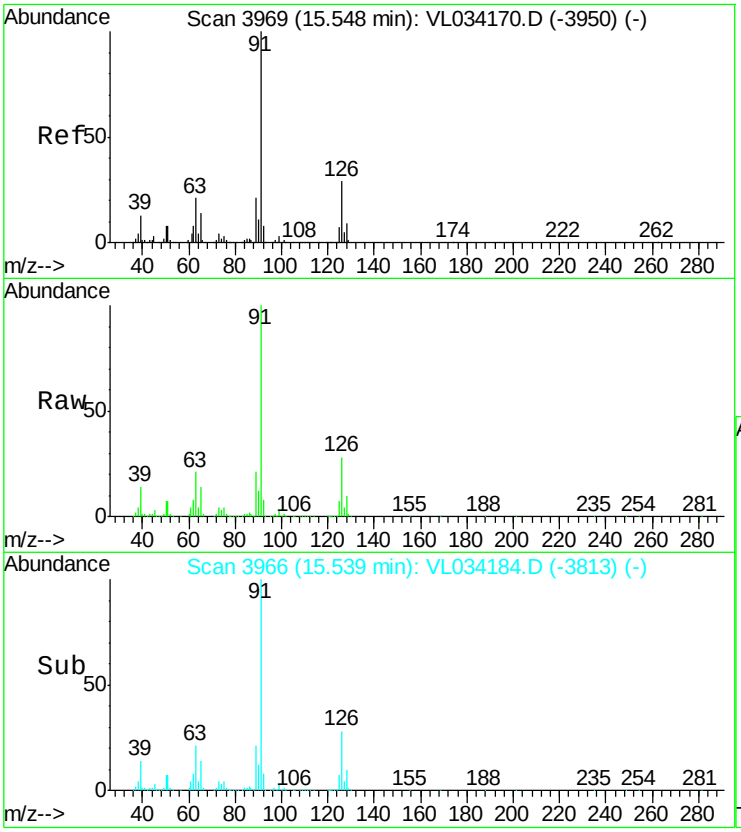


#70
n-Butylbenzene
Concen: 8.536 ppbv
RT: 18.64 min Scan# 4930
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 91 Resp: 3882113

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.8	67.2
134	21.1	17.3	25.9

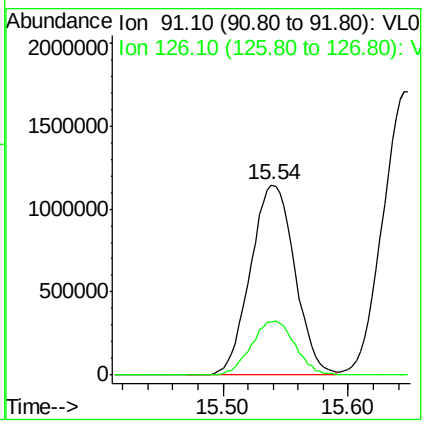




#71
2-Chlorotoluene
Concen: 8.923 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion: 91 Resp: 2814302

Ion	Ratio	Lower	Upper
91	100		
126	28.2	11.2	45.0



Instrument :
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ClientSampleId :
VSTDCCC010

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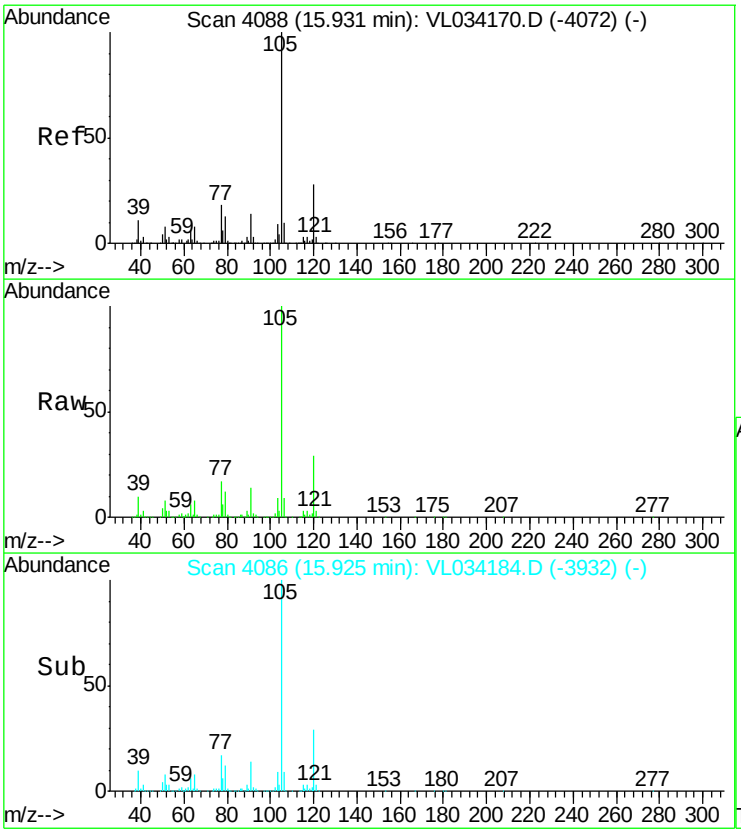
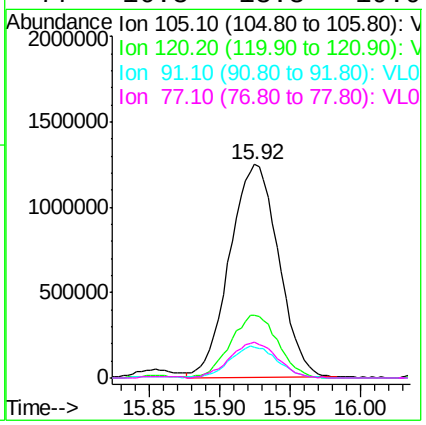
9/20/2019 12:37:13 AM

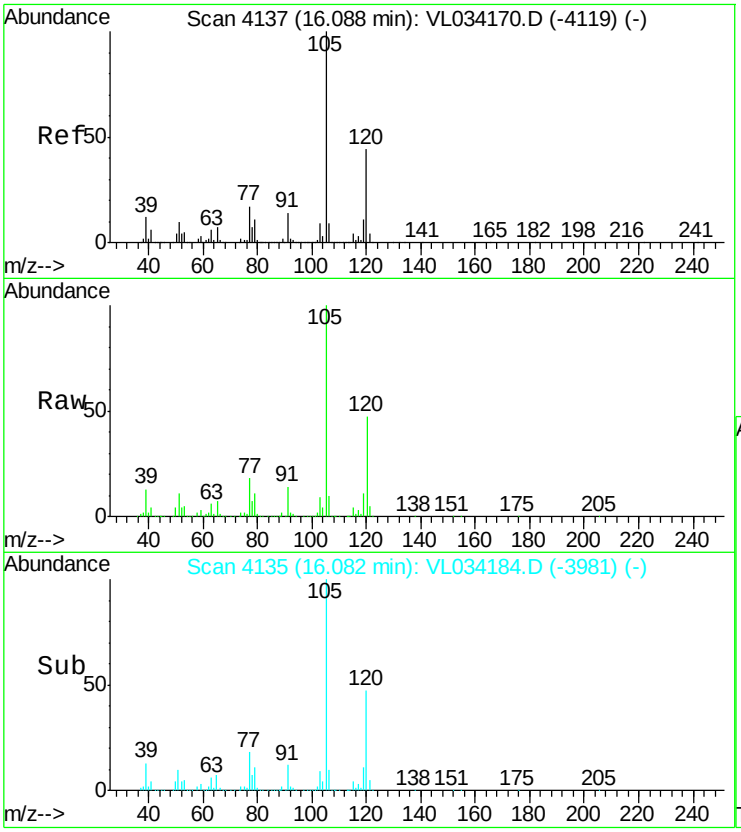


#72
4-Ethyltoluene
Concen: 8.970 ppbv
RT: 15.92 min Scan# 4086
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:105 Resp: 3022083

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.3	34.9
91	14.1	11.4	17.2
77	16.3	13.3	19.9

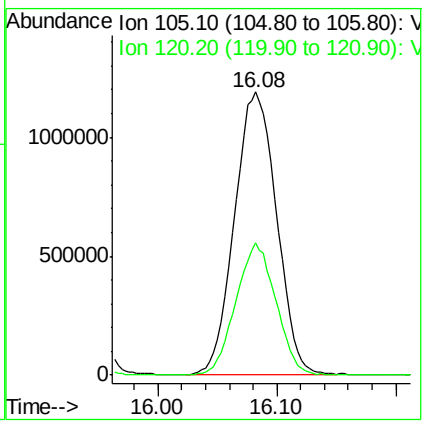




#73
1,3,5-Trimethylbenzene
Concen: 8.876 ppbv
RT: 16.08 min Scan# 4135
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:105 Resp: 2889076

Ion	Ratio	Lower	Upper
105	100		
120	46.8	35.6	53.4



Instrument :
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ClientSampleId :
VSTDCCC010

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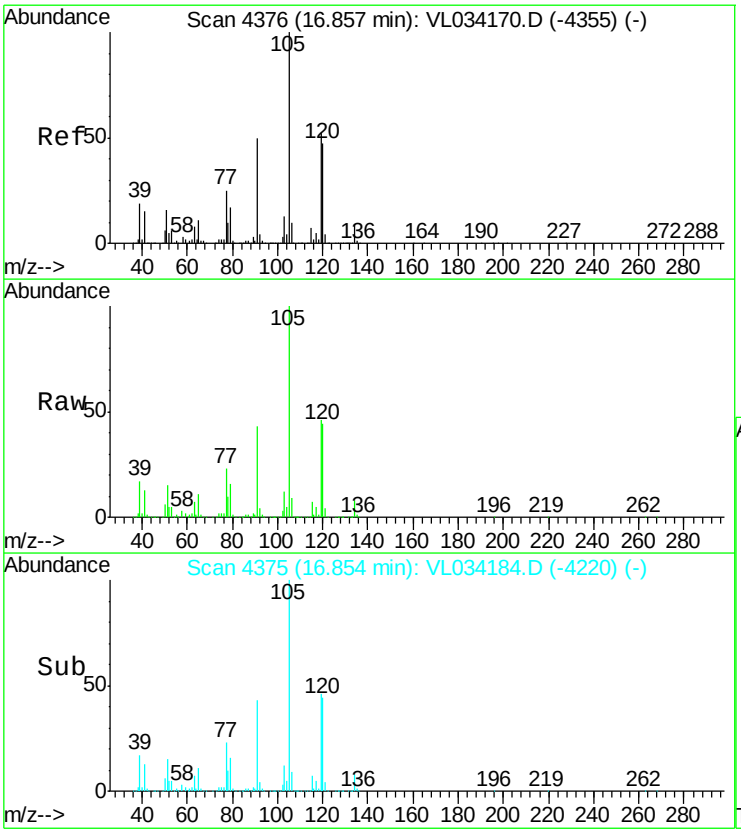
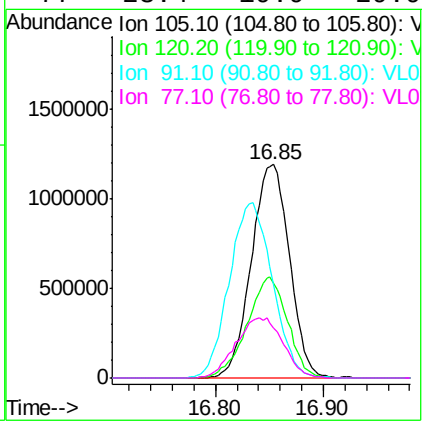
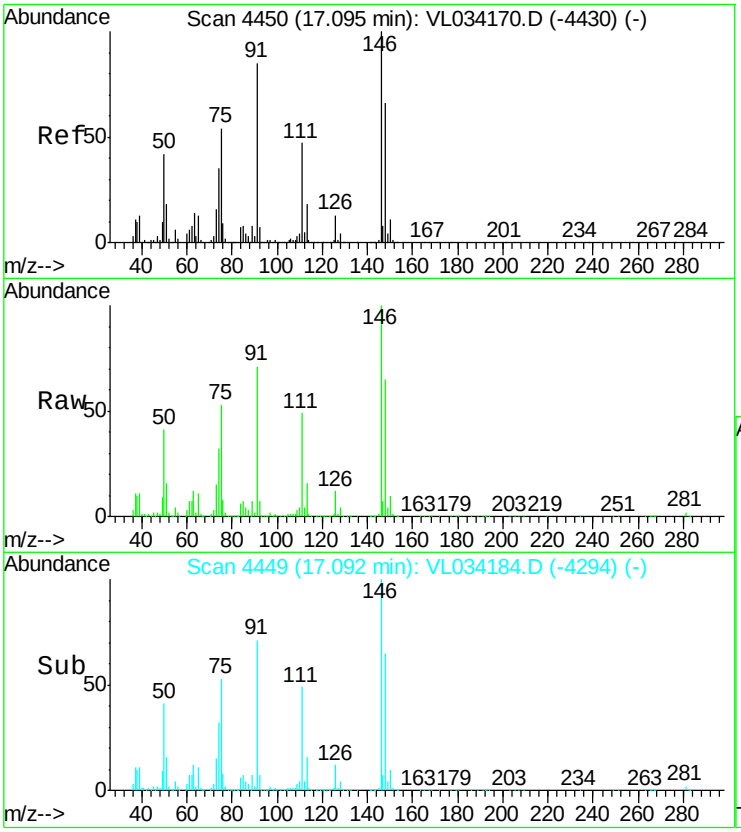


#74
1,2,4-Trimethylbenzene
Concen: 8.436 ppbv
RT: 16.85 min Scan# 4375
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:105 Resp: 2915441

Ion	Ratio	Lower	Upper
105	100		
120	44.3	37.5	56.3
91	43.3	41.1	61.7
77	23.4	19.9	29.9

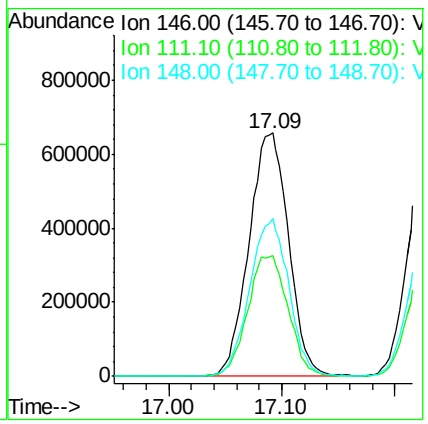




#75
1,3-Dichlorobenzene
Concen: 8.612 ppbv
RT: 17.09 min Scan# 4449
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:146 Resp: 1596900

Ion	Ratio	Lower	Upper
146	100		
111	50.7	25.9	77.8
148	64.2	32.6	97.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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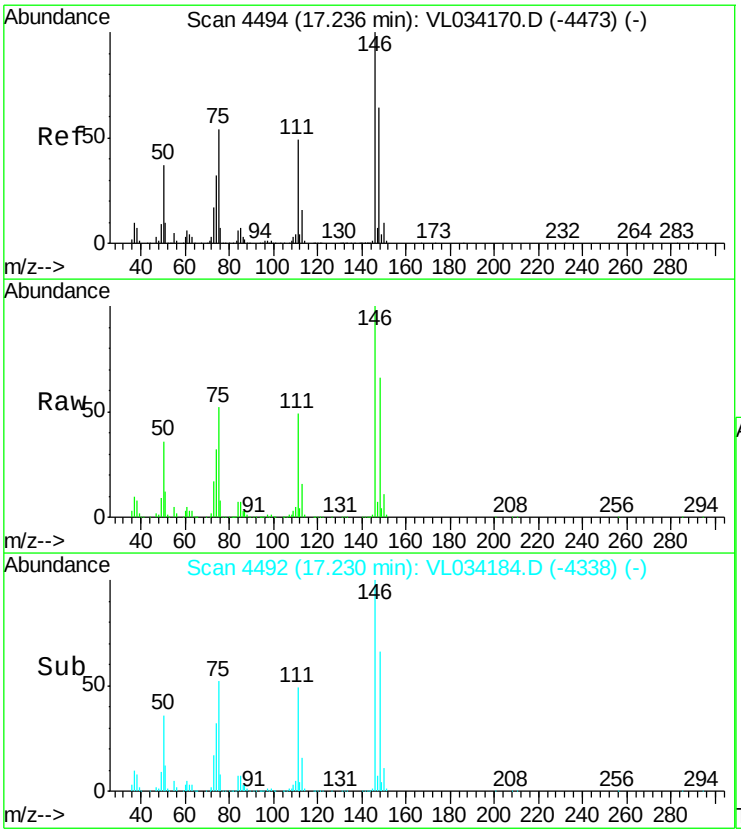
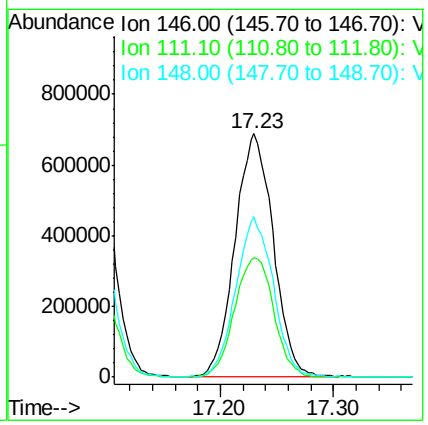
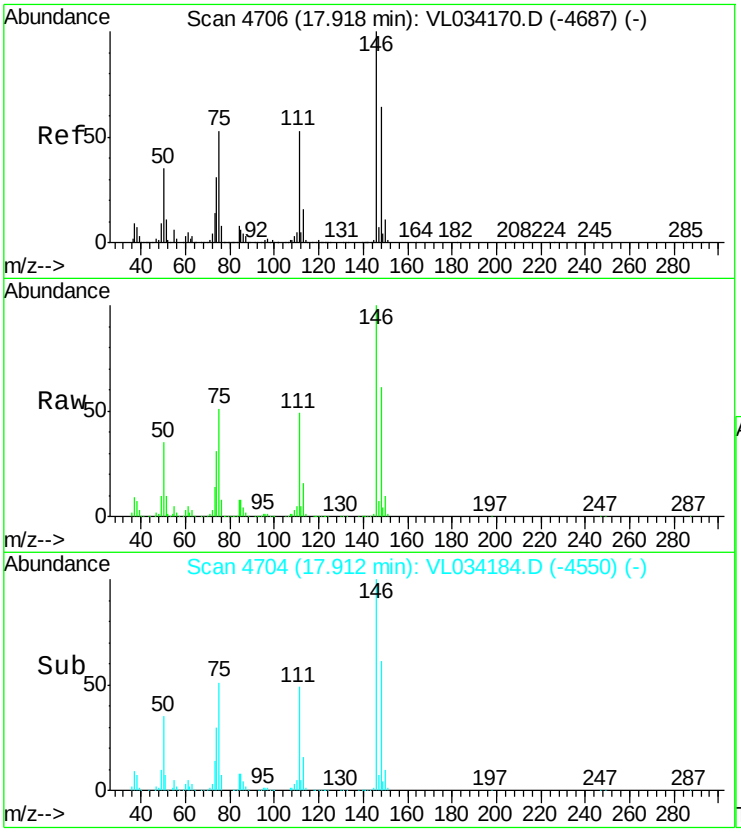


#76
1,4-Dichlorobenzene
Concen: 8.514 ppbv
RT: 17.23 min Scan# 4492
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:146 Resp: 1616834

Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.6	74.0
148	65.1	32.4	97.0

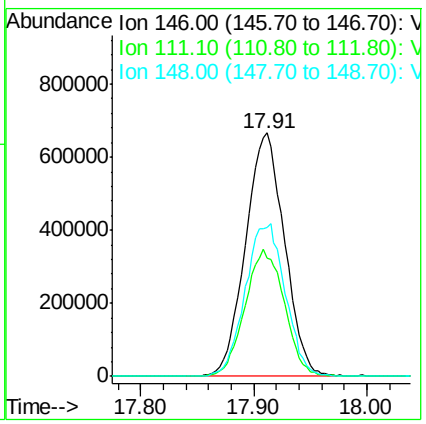




#77
1,2-Dichlorobenzene
Concen: 8.497 ppbv
RT: 17.91 min Scan# 4704
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:146 Resp: 1594731

Ion	Ratio	Lower	Upper
146	100		
111	52.6	26.1	78.3
148	64.2	31.9	95.9



Instrument :
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ClientSampleId :
VSTDCCC010

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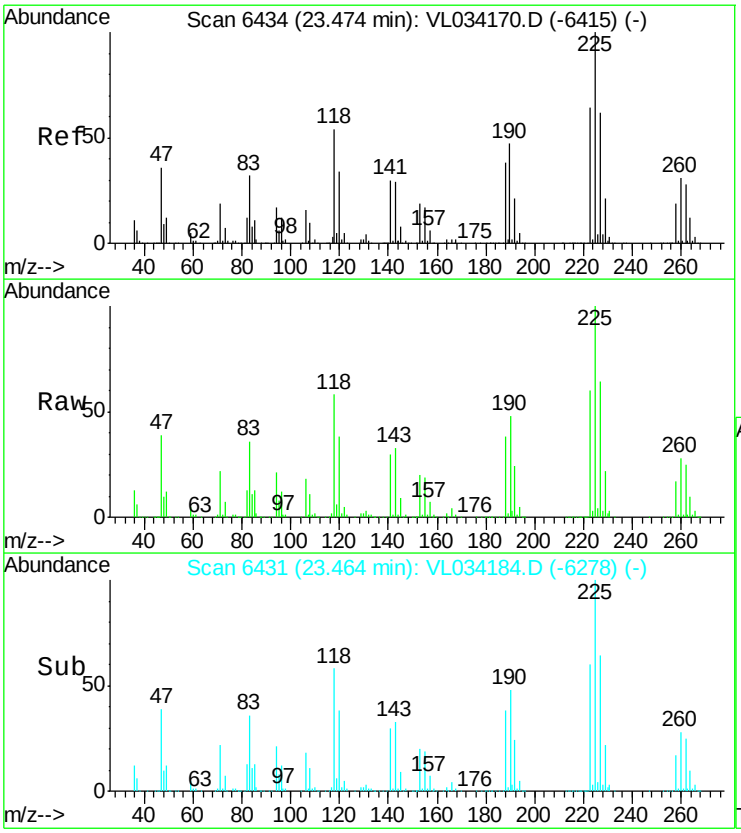
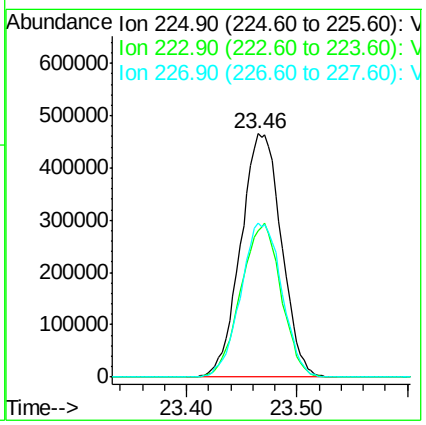
9/20/2019 12:37:13 AM

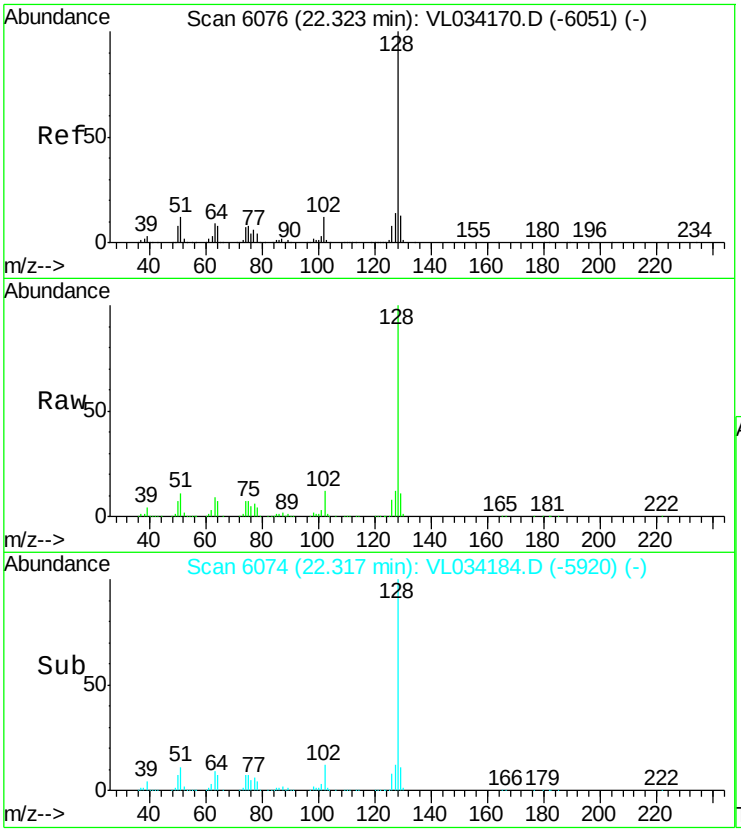


#78
Hexachloro-1,3-Butadiene
Concen: 9.562 ppbv
RT: 23.46 min Scan# 6431
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:225 Resp: 1188618

Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.7	77.5
227	64.2	52.1	78.1

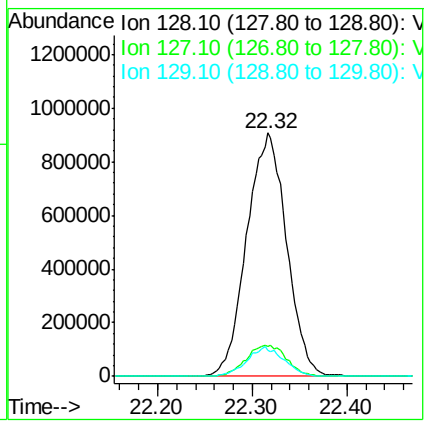




#79
Naphthalene
Concen: 8.703 ppbv
RT: 22.32 min Scan# 6074
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:128 Resp: 2647931

Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.1	16.7
129	10.6	10.2	15.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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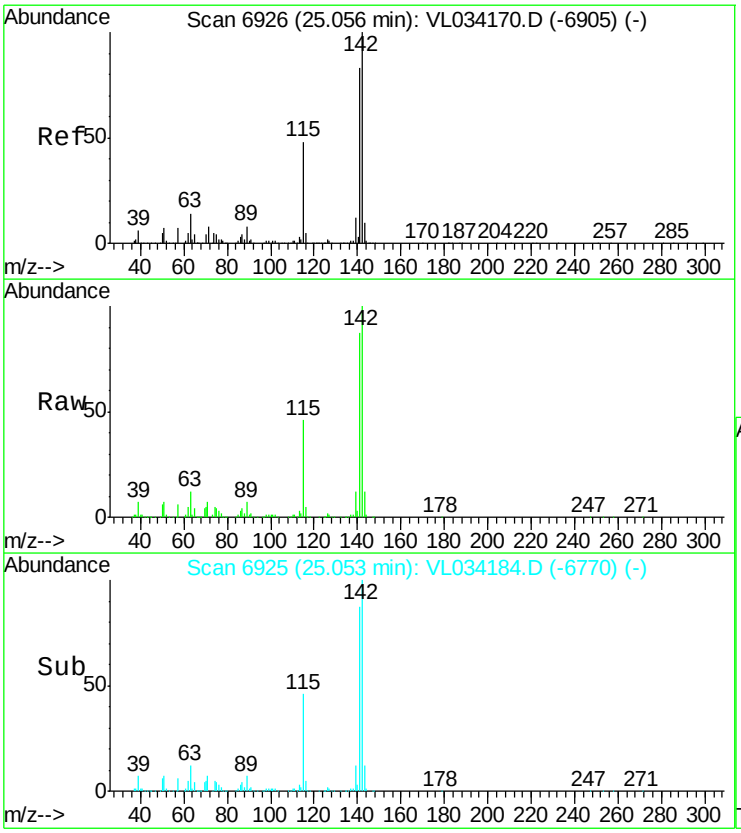
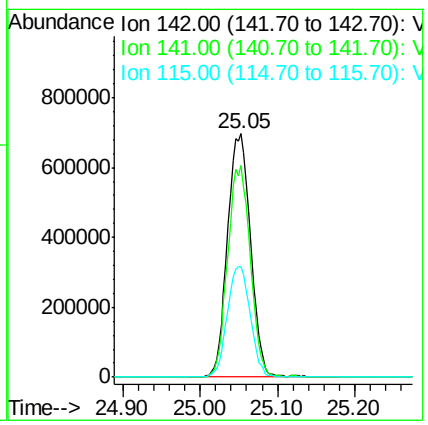
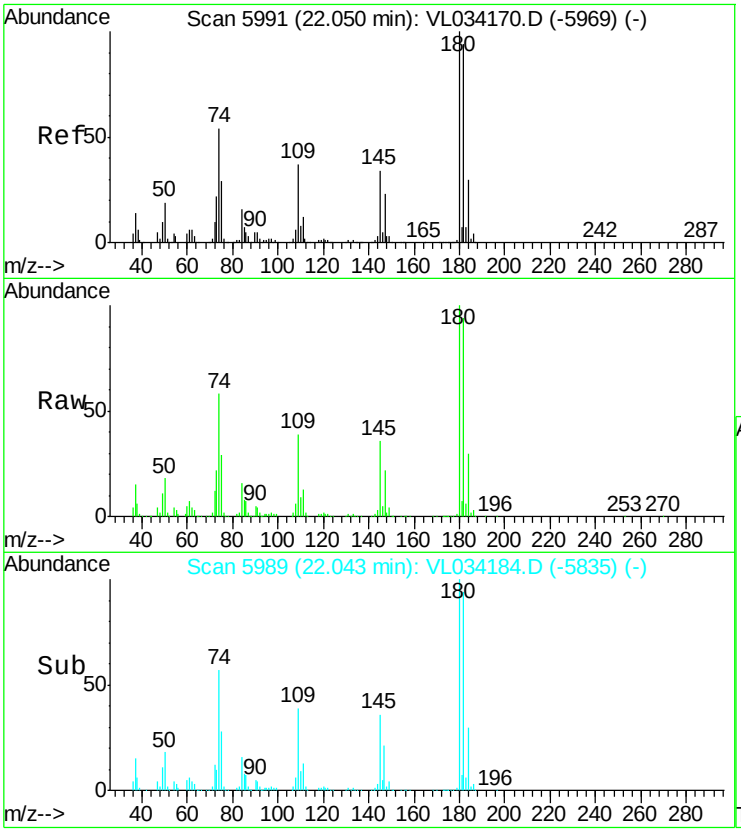


#80
Naphthalene,2-methyl-
Concen: 10.135 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. -0.00 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:142 Resp: 1433983

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.6	101.4
115	45.2	36.9	55.3

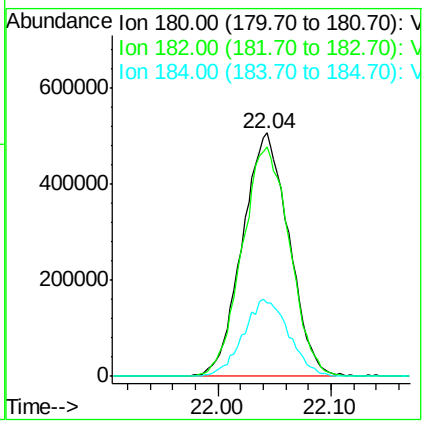




#81
1,2,4-Trichlorobenzene
Concen: 8.529 ppbv
RT: 22.04 min Scan# 5989
Delta R.T. -0.01 min
Lab File: VL034184.D
Acq: 18 Sep 2019 14:39

Tgt Ion:180 Resp: 1437502

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
184	31.4	25.0	37.4



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