Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051420\
Data File : VL035018.D
Acq On : 14 May 2020 12:18
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 01:22:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
QLast Update : Wed May 06 14:49:39 2020
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	5.65	49	1037081	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2377239	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2418344m	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1955049	9.99	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	1114213	7.570	ppbv	99
3) Chlorodifluoromethane	2.94	51	1043403	8.812	ppbv	99
4) Chloromethane	3.09	50	589390	8.686	ppbv	98
5) Vinyl Chloride	3.21	62	591867	8.941	ppbv	99
6) Bromomethane	3.43	94	347501	8.792	ppbv	90
7) Chloroethane	3.51	64	220153	9.260	ppbv	95
8) Dichlorotetrafluoroethane	3.14	85	1343560	8.820	ppbv	98
9) Propene	2.96	41	439408	8.552	ppbv	97
10) Heptane	8.12	43	1226377	9.528	ppbv	99
11) Trichlorofluoromethane	3.91	101	1400734	9.229	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	981988	9.087	ppbv	97
13) Ethanol	3.56	45	129274	7.625	ppbv	97
14) Bromoethene	3.70	108	432111	9.676	ppbv	99
15) Acetone	3.81	43	1103229	8.046	ppbv	100
16) 1,3-Butadiene	3.28	39	548346	9.294	ppbv	98
17) tert-Butyl alcohol	4.26	59	1095332	8.979	ppbv	100
18) 1,1-Dichloroethene	4.25	96	455063	9.706	ppbv	95
19) Isopropyl Alcohol	3.93	45	814659	8.910	ppbv	99
20) Methylene Chloride	4.31	84	400508	8.824	ppbv	88
21) Allyl Chloride	4.38	41	761680	9.835	ppbv	98
22) trans-1,2-Dichloroethene	4.85	96	447742	9.641	ppbv	99
23) Vinyl Acetate	5.05	43	1615735	9.293	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1198602	8.951	ppbv	99
25) Ethyl Acetate	5.65	43	2116792	9.191	ppbv	100
26) Hexane	5.66	57	933077	9.345	ppbv	100
27) Carbon Disulfide	4.52	76	1137280	9.664	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1382253	9.090	ppbv	99
29) Chloroform	5.73	83	1453277	8.896	ppbv	96
30) Cyclohexane	7.12	84	767190	9.957	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	940349	9.653	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	1379633	9.351	ppbv	99
34) 2-Butanone	5.22	43	1382587	9.358	ppbv	99
35) Carbon Tetrachloride	7.01	117	1425939	9.503	ppbv	97
36) Benzene	6.88	78	1852176	9.450	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1166107	9.645	ppbv	99
38) Trichloroethene	7.83	130	710406	9.356	ppbv	95
39) 1,2-Dichloropropane	7.61	63	733186	9.332	ppbv	97
40) 1,4-Dioxane	7.82	88	274269	8.588	ppbv #	1
41) Tetrahydrofuran	6.03	42	765829	9.845	ppbv	98
42) Bromodichloromethane	7.79	83	1562857	9.585	ppbv	99
43) Methyl Methacrylate	8.01	69	850027	10.271	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051420\
Data File : VL035018.D
Acq On : 14 May 2020 12:18
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 01:22:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
QLast Update : Wed May 06 14:49:39 2020
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)
44) 2,2,4-Trimethylpentane	7.86	57	3219158	9.239	ppbv		99
45) t-1,3-Dichloropropene	9.28	75	954142	11.424	ppbv		97
46) cis-1,3-Dichloropropene	8.71	75	1112743	10.852	ppbv		95
47) 1,1,2-Trichloroethane	9.48	97	767968	9.262	ppbv		98
48) Dibromochloromethane	10.32	129	1284942	10.078	ppbv		99
49) Bromoform	13.06	173	1104052	10.064	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	2068675	9.819	ppbv		100
51) 2-Hexanone	10.13	43	1707662	10.363	ppbv	#	100
52) Tetrachloroethene	11.23	164	654243m	9.388	ppbv		
53) Toluene	9.81	91	2170071	10.445	ppbv		99
54) 1,2-Dibromoethane	10.62	107	1189126	9.767	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.14	131	959141	8.795	ppbv		94
57) Chlorobenzene	12.16	112	1642565	8.573	ppbv		97
58) Ethyl Benzene	12.73	91	2906783	9.720	ppbv		100
59) m/p-Xylene	13.01	91	4815831m	18.303	ppbv		
60) o-Xylene	13.71	91	2377866	9.159	ppbv		98
61) Styrene	13.55	104	1708691	10.399	ppbv		99
62) Isopropylbenzene	14.69	105	3517667	9.075	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1683948	8.239	ppbv		99
64) n-propylbenzene	15.58	120	900319	9.055	ppbv		95
65) tert-Butylbenzene	16.77	119	2999660	8.922	ppbv		99
66) Benzyl Chloride	17.02	91	1095401	9.597	ppbv		98
67) sec-Butylbenzene	17.32	105	4313974	8.989	ppbv		99
69) p-Isopropyltoluene	17.68	119	3521969	9.071	ppbv		100
70) n-Butylbenzene	18.58	91	3760575	9.100	ppbv		99
71) 2-Chlorotoluene	15.48	91	2734702	9.346	ppbv		99
72) 4-Ethyltoluene	15.86	105	2774677	9.579	ppbv		99
73) 1,3,5-Trimethylbenzene	16.02	105	2579920	9.152	ppbv		98
74) 1,2,4-Trimethylbenzene	16.79	105	2669882	8.677	ppbv		94
75) 1,3-Dichlorobenzene	17.02	146	1520631	8.416	ppbv		99
76) 1,4-Dichlorobenzene	17.17	146	1503125	8.756	ppbv		99
77) 1,2-Dichlorobenzene	17.85	146	1443167	8.477	ppbv		99
78) Hexachloro-1,3-Butadiene	23.41	225	1229697	8.474	ppbv		100
79) Naphthalene	22.24	128	2664949	11.122	ppbv		98
80) Naphthalene,2-methyl-	25.00	142	1208737	20.522	ppbv		98
81) 1,2,4-Trichlorobenzene	21.97	180	1383106m	9.519	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051420\
Data File : VL035018.D
Acq On : 14 May 2020 12:18
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 15 01:22:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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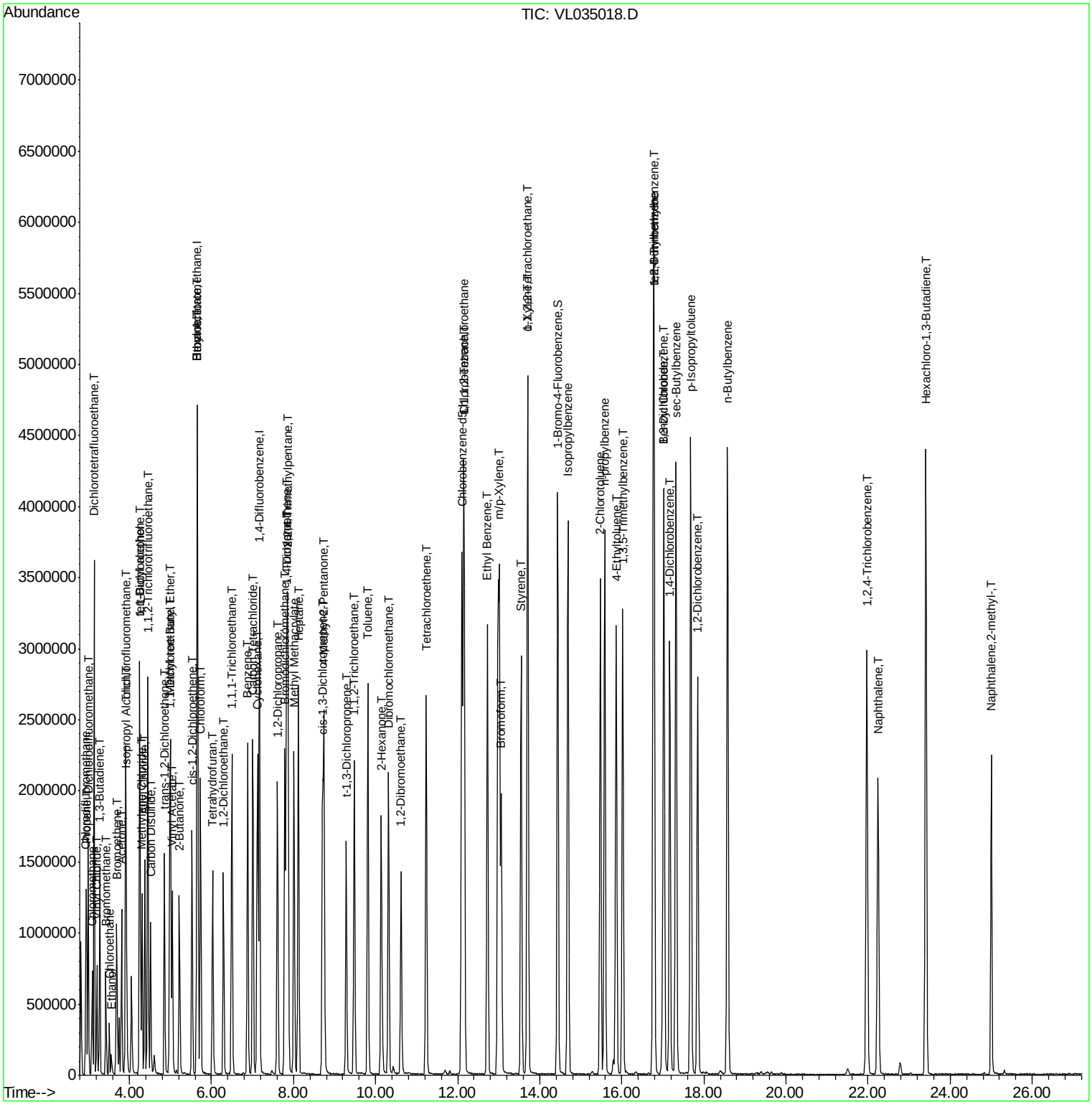
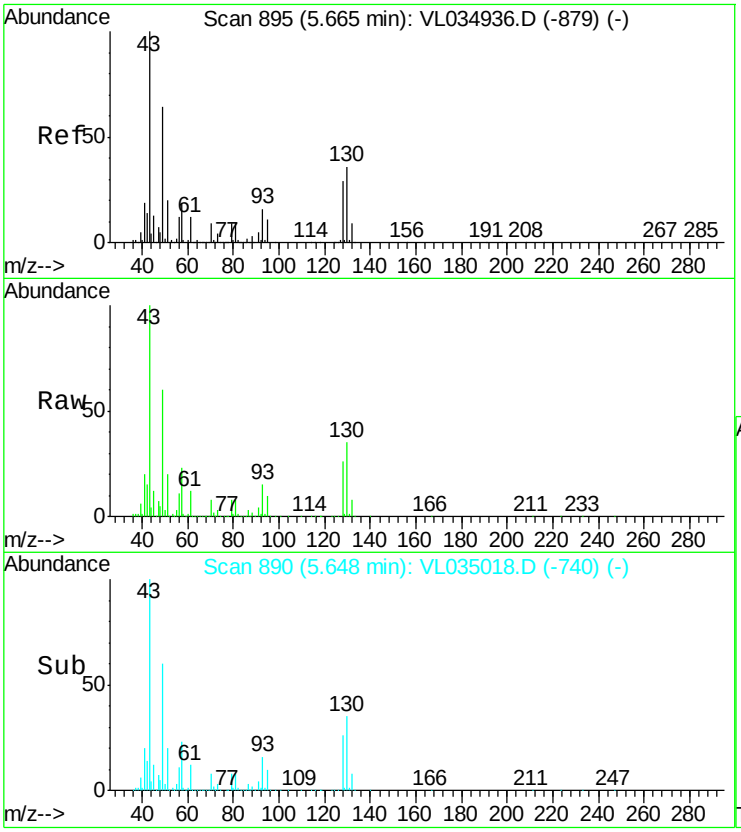
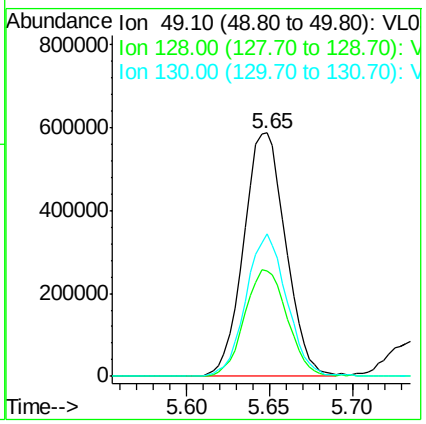




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 49 Resp: 1037081

Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.1	66.5
130	56.9	29.1	87.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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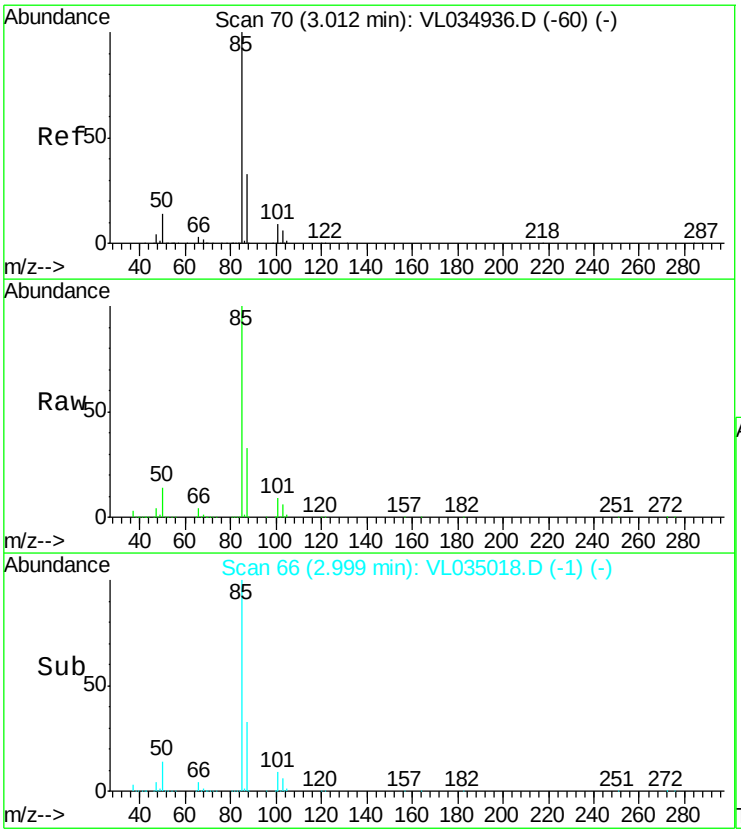
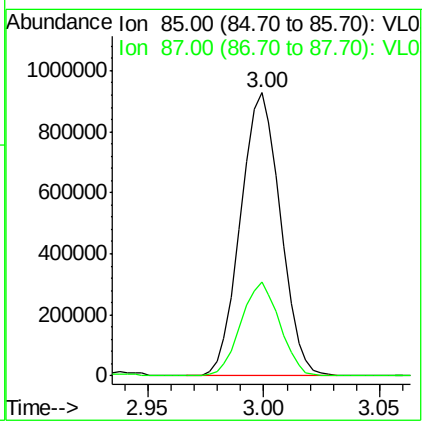
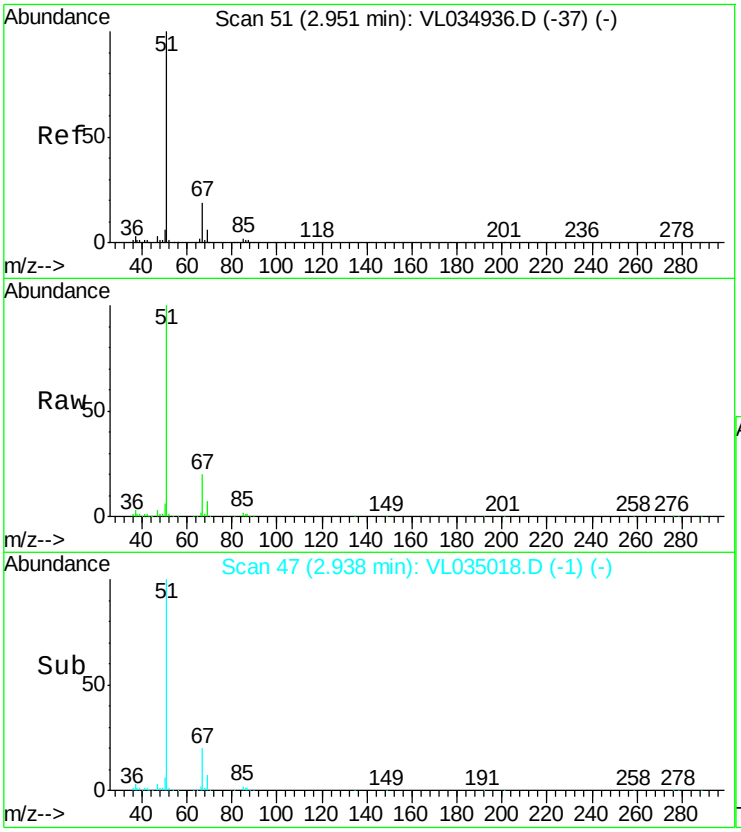


#2
Dichlorodifluoromethane
Concen: 7.570 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 85 Resp: 1114213

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.2	39.2

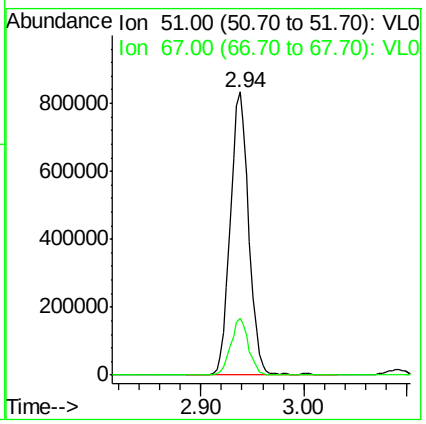




#3
Chlorodifluoromethane
Concen: 8.812 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 51 Resp: 1043403

Ion	Ratio	Lower	Upper
51	100		
67	19.5	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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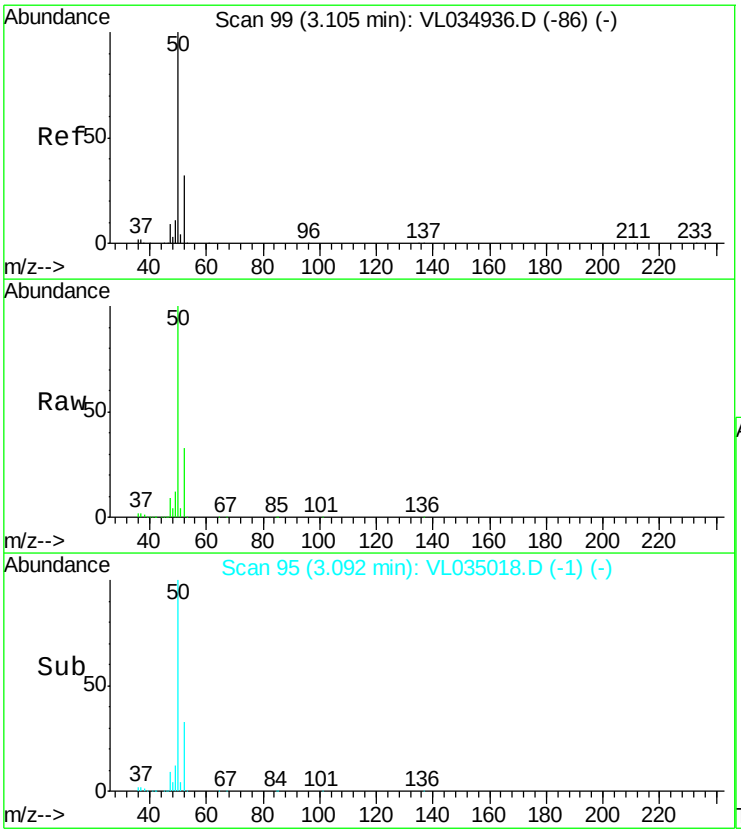
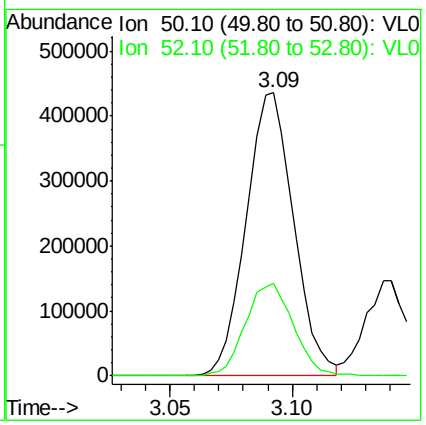
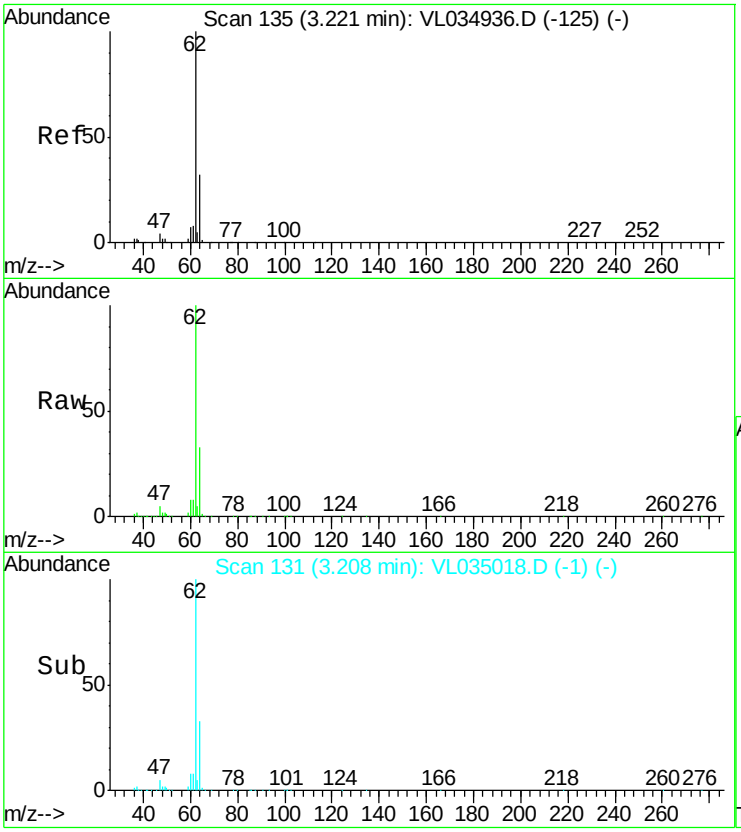


#4
Chloromethane
Concen: 8.686 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 50 Resp: 589390

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.4	38.2

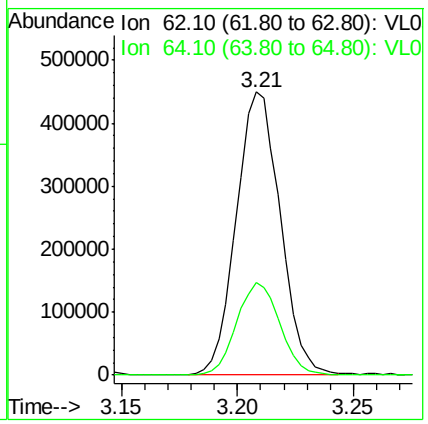




#5
Vinyl Chloride
Concen: 8.941 ppbv
RT: 3.21 min Scan# 131
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 62 Resp: 591867

Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.7	38.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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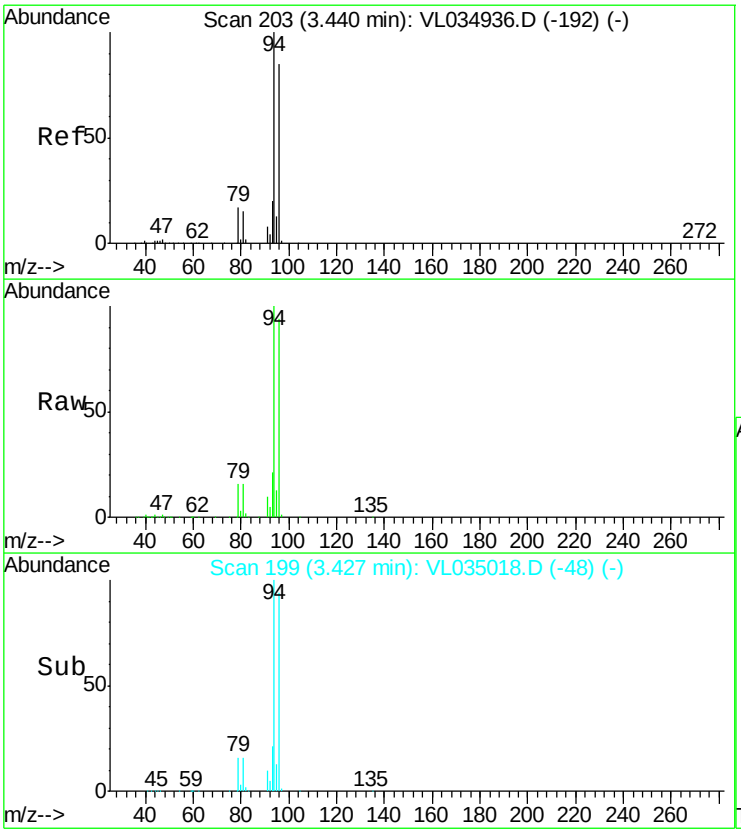
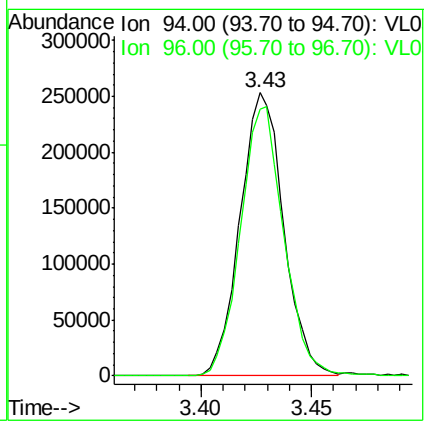
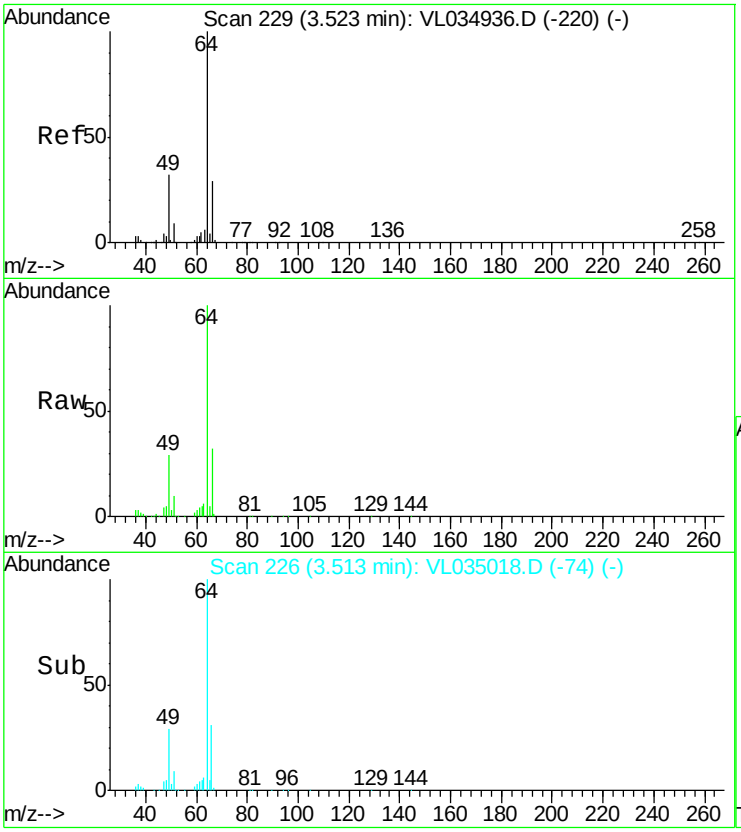


#6
Bromomethane
Concen: 8.792 ppbv
RT: 3.43 min Scan# 199
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 94 Resp: 347501

Ion	Ratio	Lower	Upper
94	100		
96	94.4	67.9	101.9

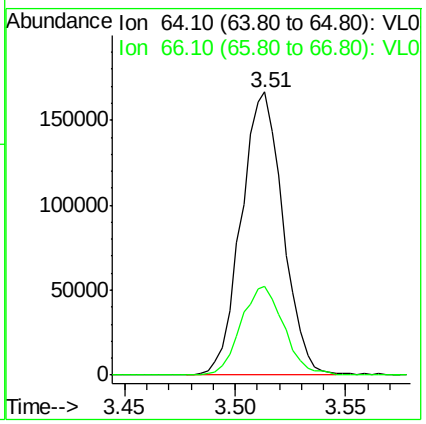




#7
Chloroethane
Concen: 9.260 ppbv
RT: 3.51 min Scan# 226
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 64 Resp: 220153

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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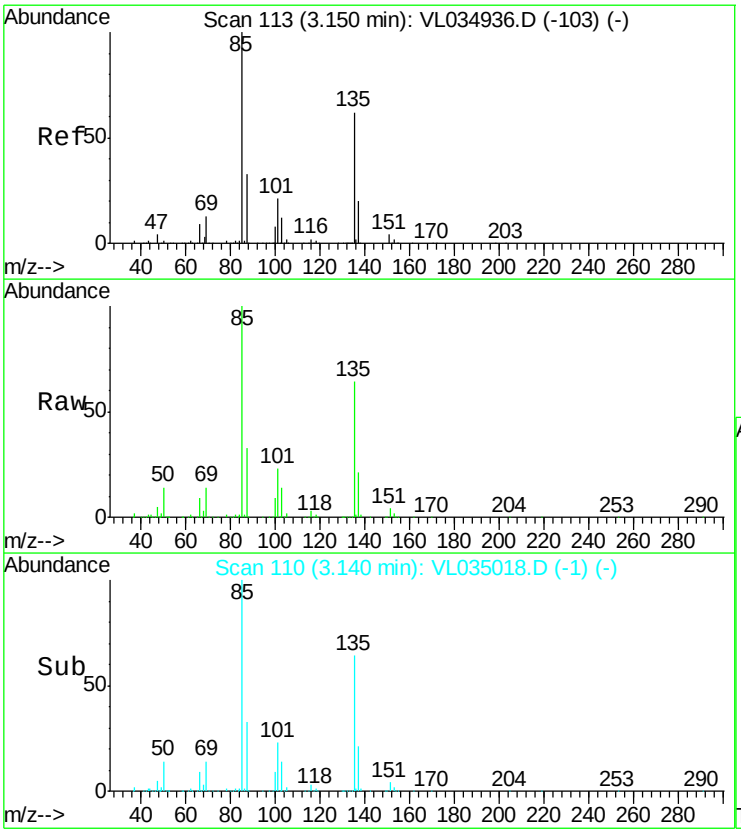
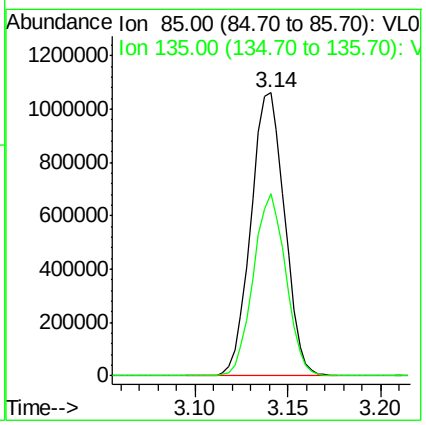
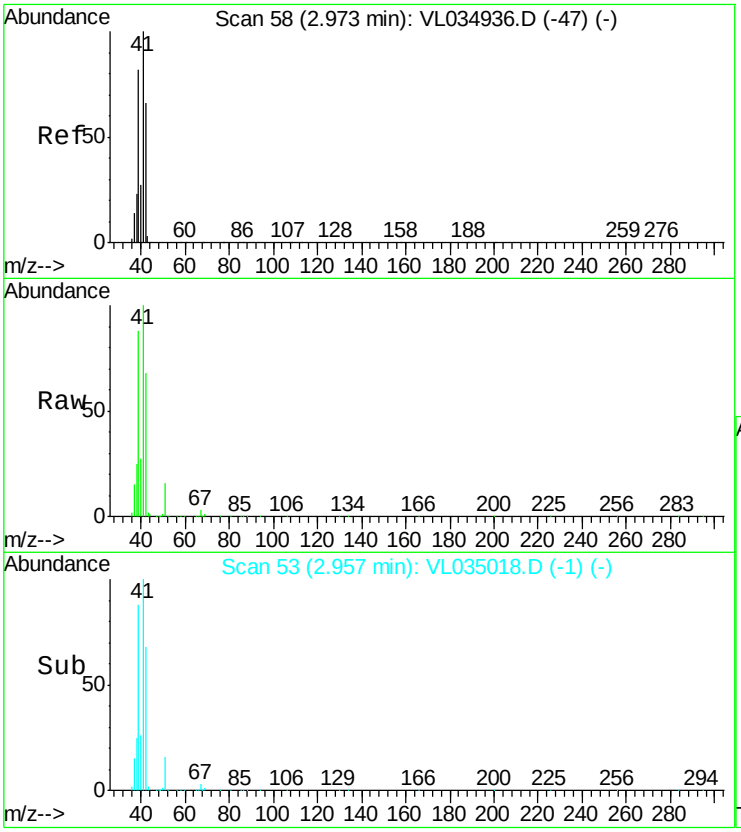


#8
Dichlorotetrafluoroethane
Concen: 8.820 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 85 Resp: 1343560

Ion	Ratio	Lower	Upper
85	100		
135	62.0	50.9	76.3

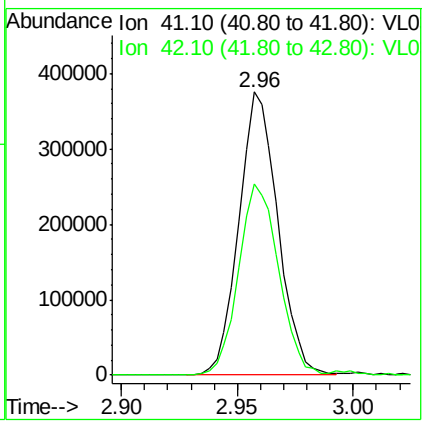




#9
Propene
Concen: 8.552 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 41 Resp: 439408

Ion	Ratio	Lower	Upper
41	100		
42	70.7	54.5	81.7



Instrument :
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ClientSampleId :
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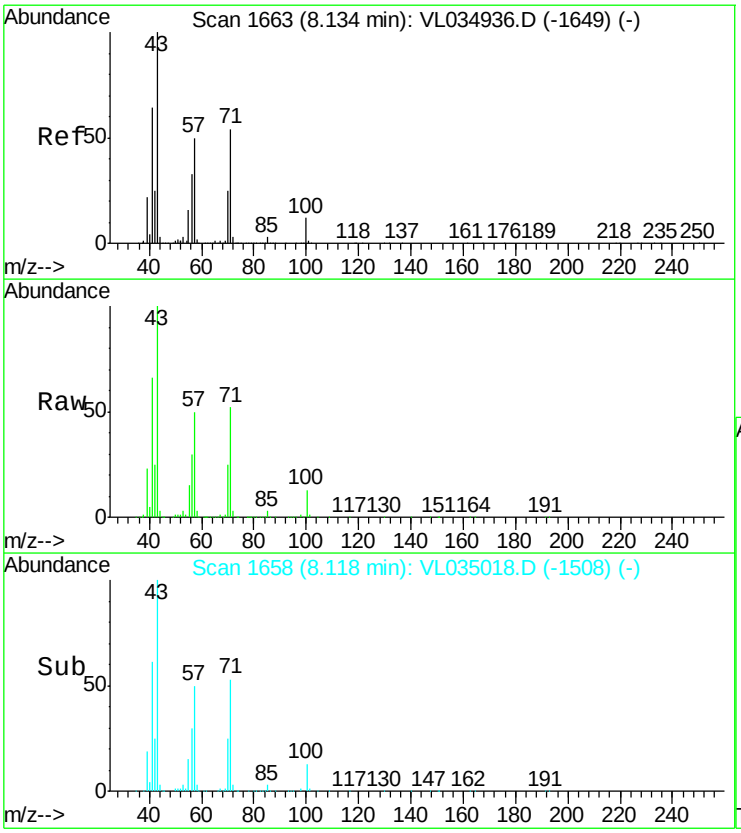
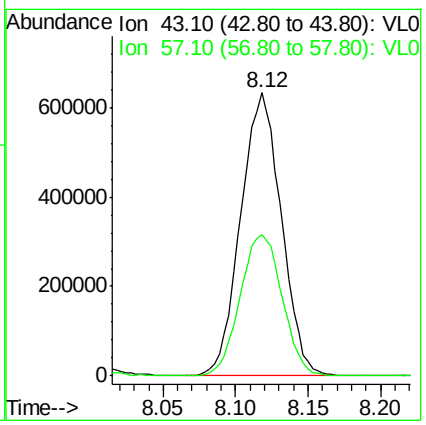
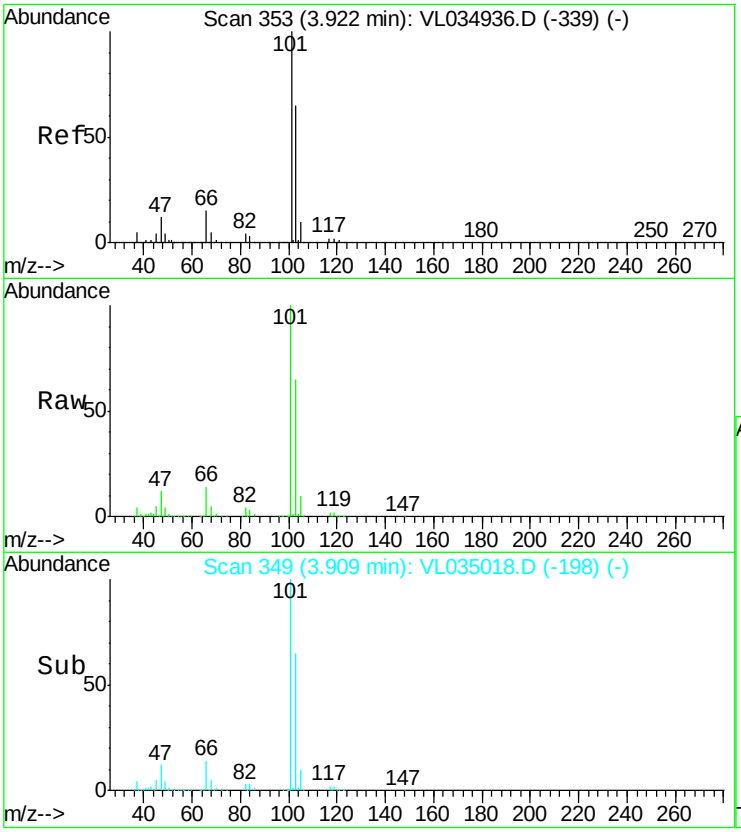


#10
Heptane
Concen: 9.528 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 43 Resp: 1226377

Ion	Ratio	Lower	Upper
43	100		
57	52.1	41.1	61.7

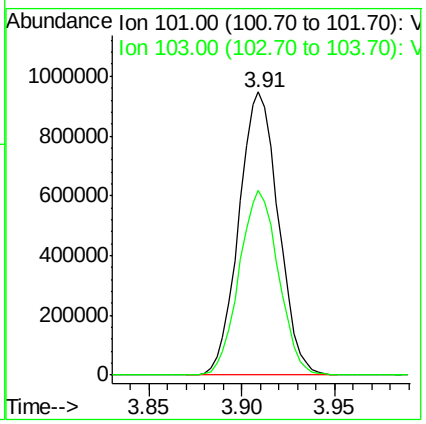




#11
Trichlorofluoromethane
Concen: 9.229 ppbv
RT: 3.91 min Scan# 349
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:101 Resp: 1400734

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.9	77.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
MMDadoda
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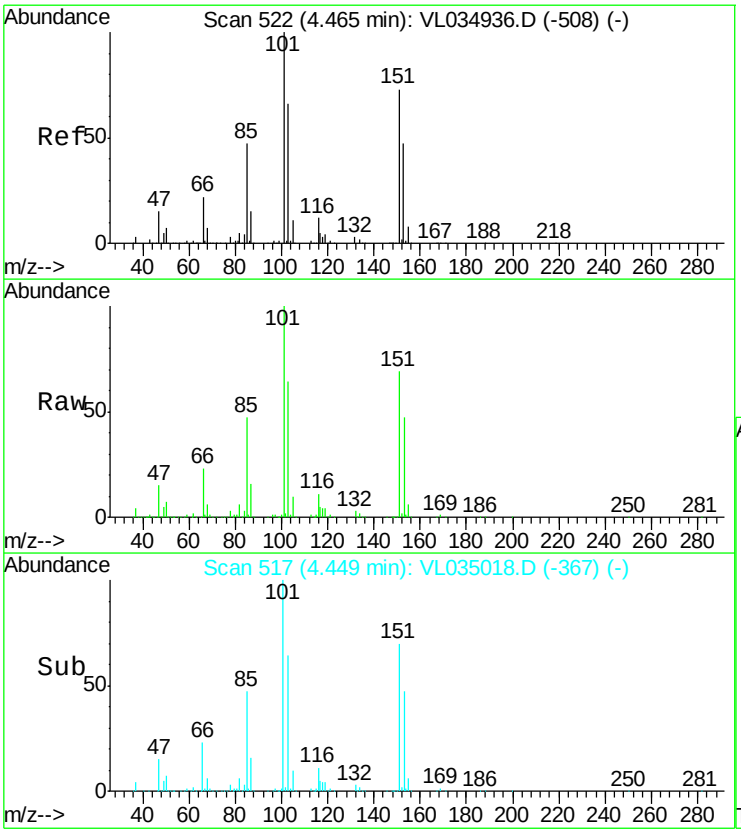
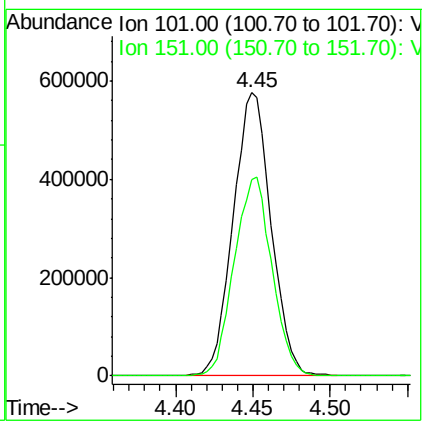
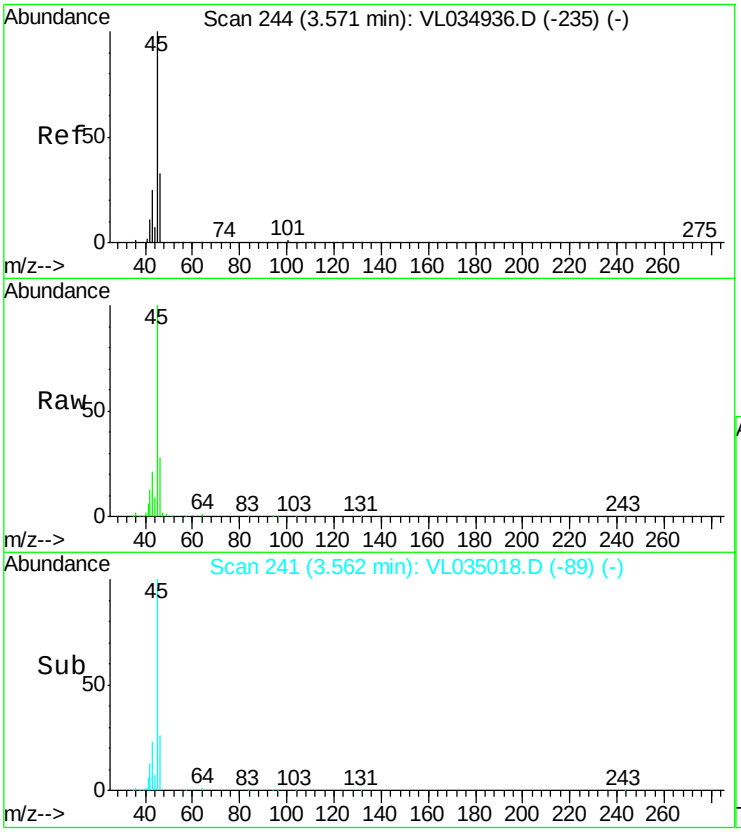


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.087 ppbv
RT: 4.45 min Scan# 517
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:101 Resp: 981988

Ion	Ratio	Lower	Upper
101	100		
151	69.8	57.6	86.4

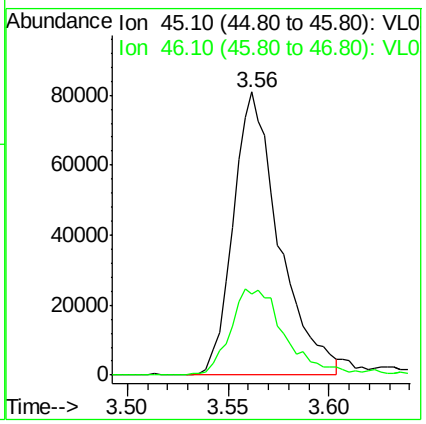




#13
Ethanol
Concen: 7.625 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 45 Resp: 129274

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.3	57.3



Instrument :
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ClientSampleId :
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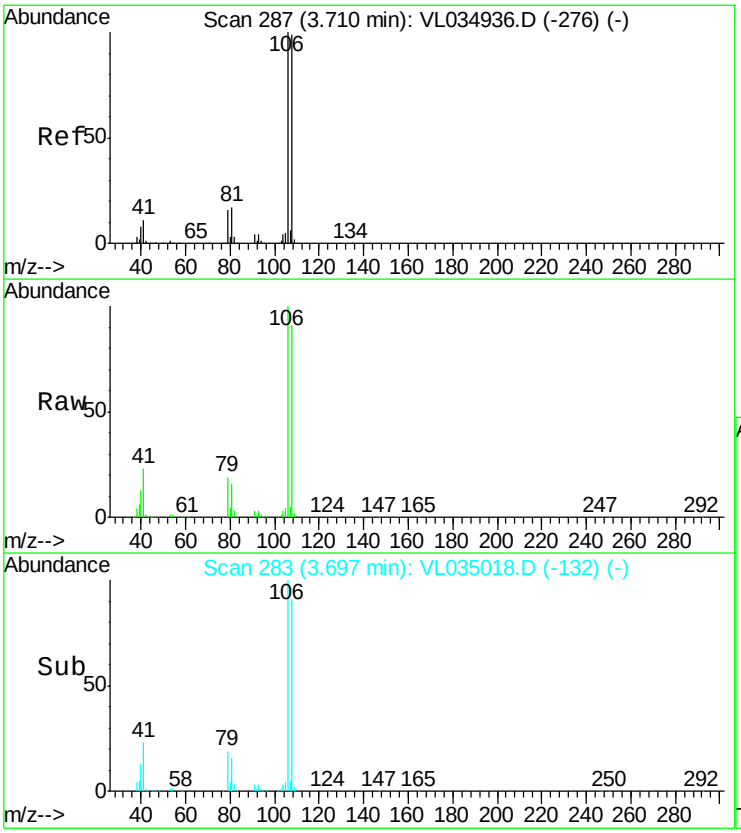
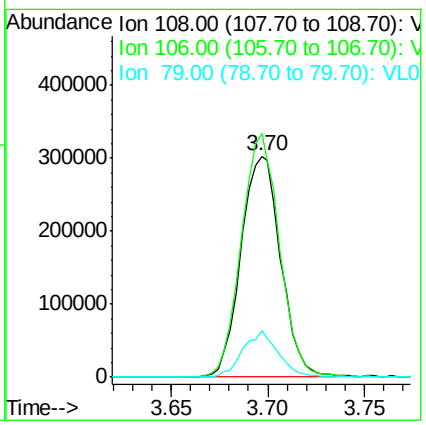
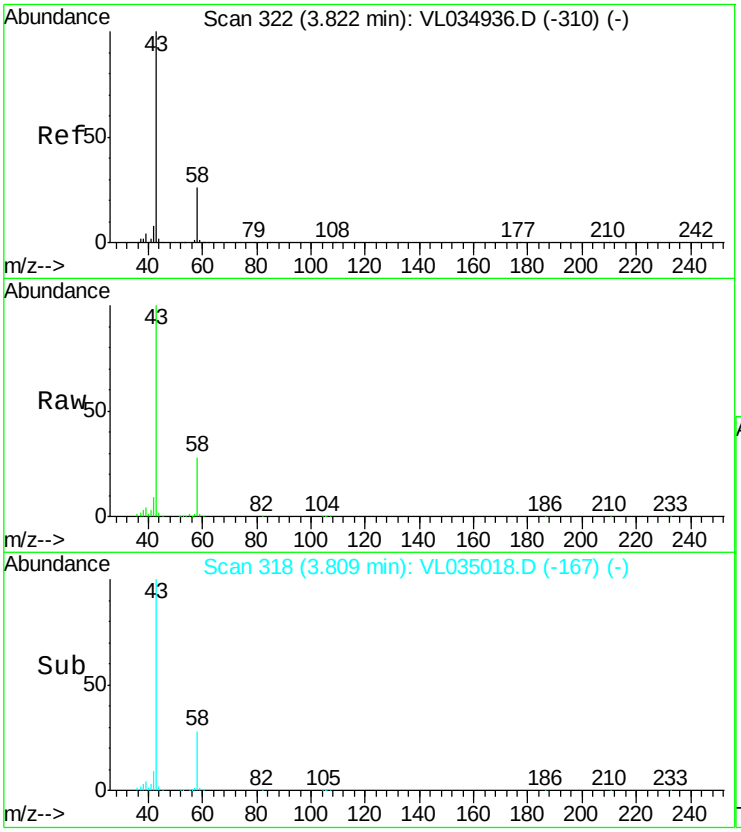


#14
Bromoethene
Concen: 9.676 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:108 Resp: 432111

Ion	Ratio	Lower	Upper
108	100		
106	106.5	84.9	127.3
79	18.9	14.1	21.1

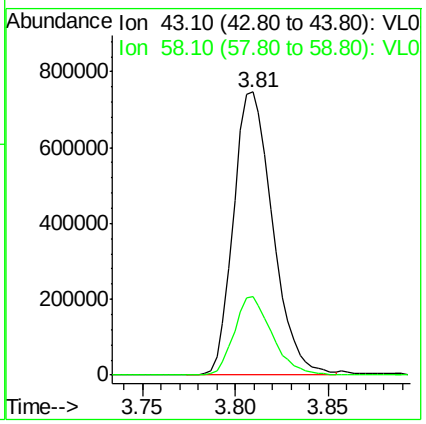




#15
Acetone
Concen: 8.046 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 43 Resp: 1103229

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.7	32.5



Instrument :
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ClientSampleId :
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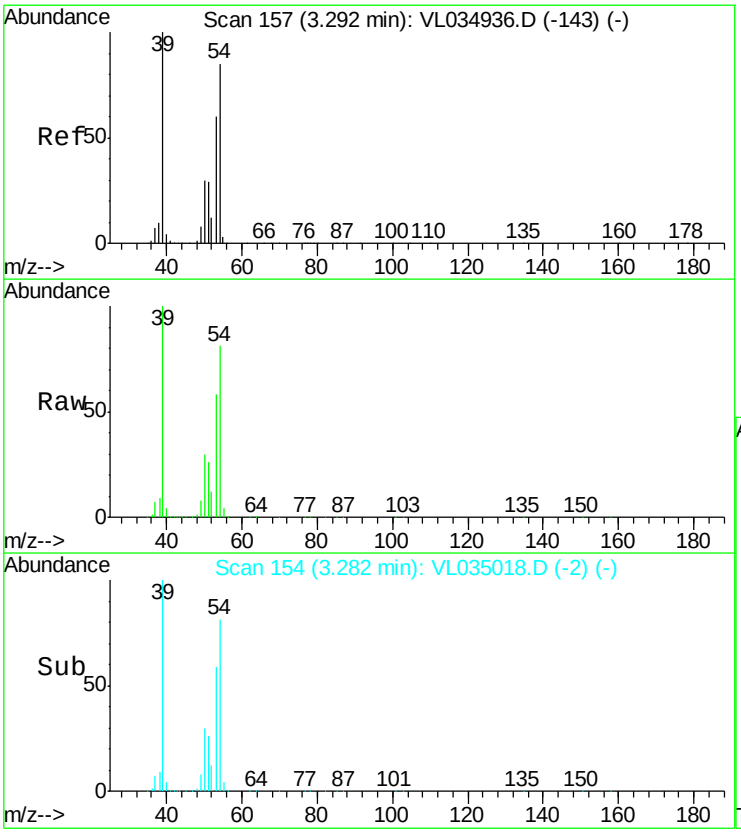
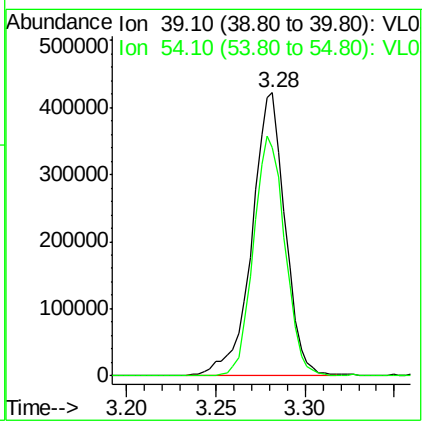
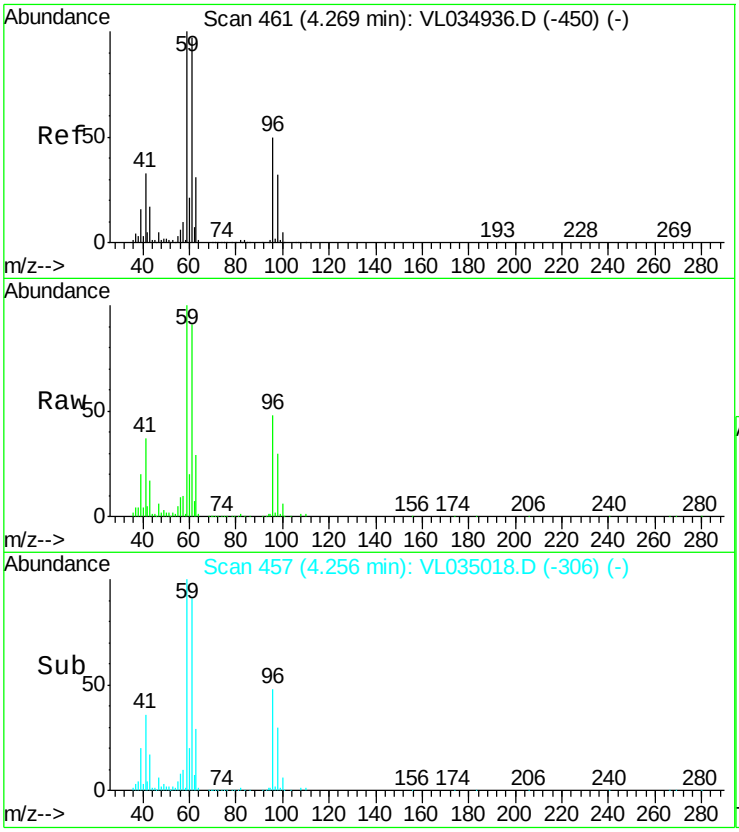


#16
1,3-Butadiene
Concen: 9.294 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 39 Resp: 548346

Ion	Ratio	Lower	Upper
39	100		
54	81.1	66.6	100.0

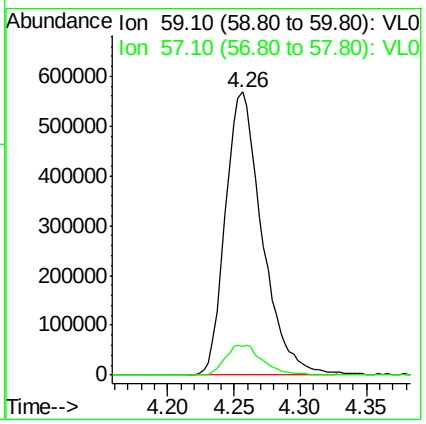




#17
tert-Butyl alcohol
Concen: 8.979 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 59 Resp: 1095332

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.7	13.1



Instrument :
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ClientSampleId :
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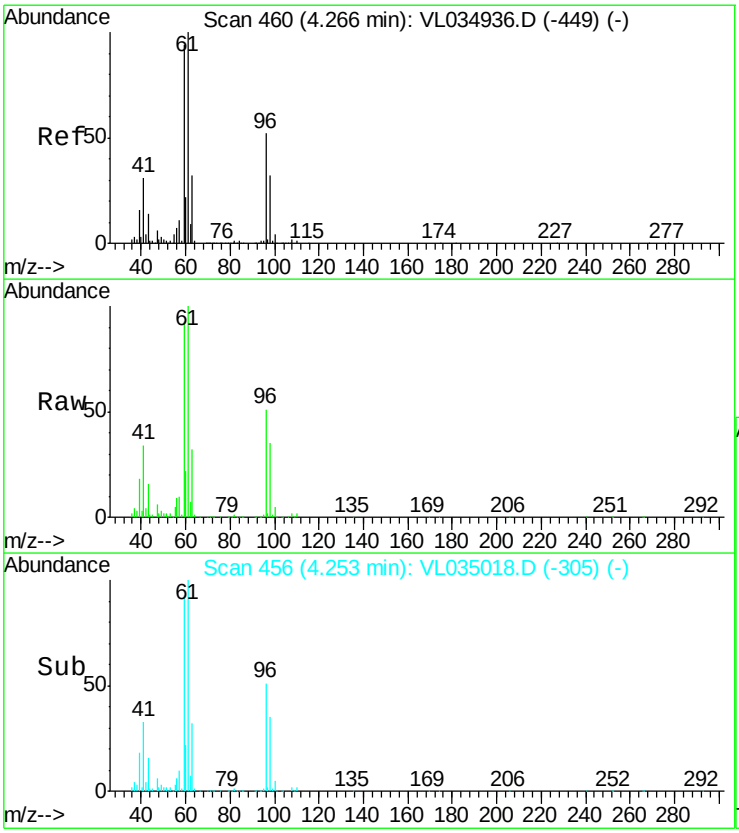
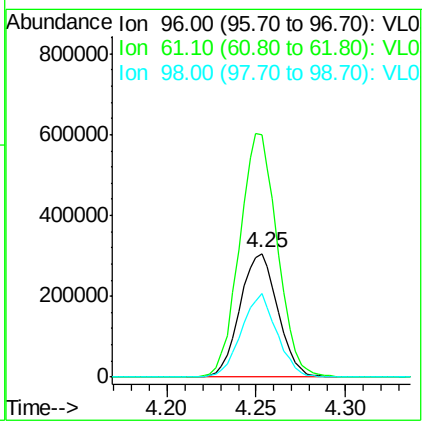
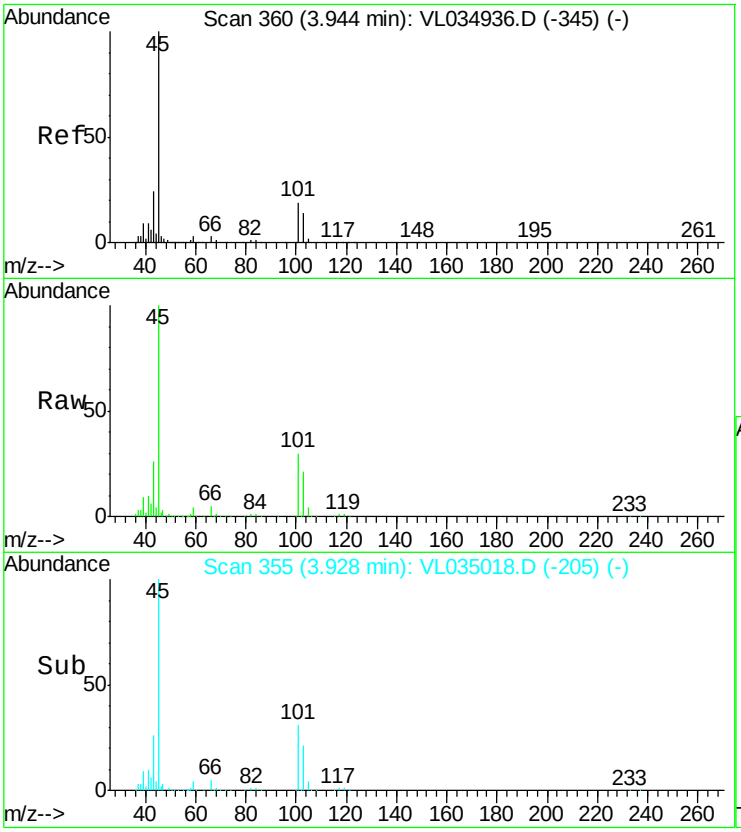


#18
1,1-Dichloroethene
Concen: 9.706 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 96 Resp: 455063

Ion	Ratio	Lower	Upper
96	100		
61	196.0	152.4	228.6
98	67.9	48.8	73.2

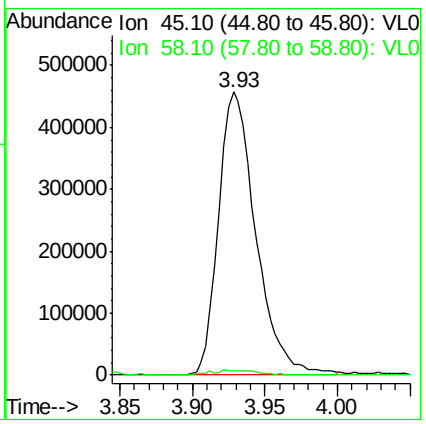




#19
Isopropyl Alcohol
Concen: 8.910 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 45 Resp: 814659

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.7	2.5



Instrument :
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ClientSampleId :
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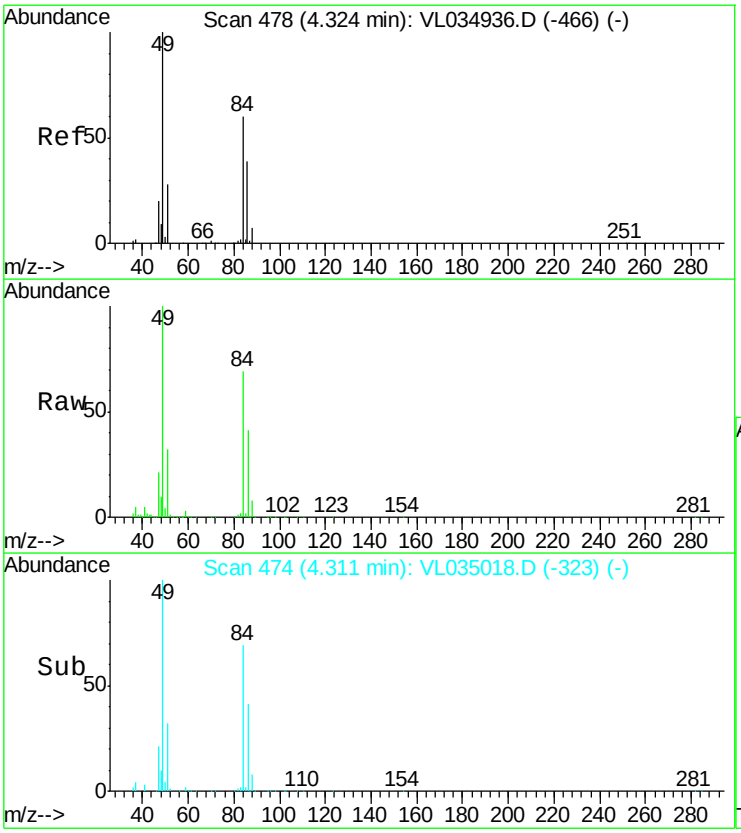
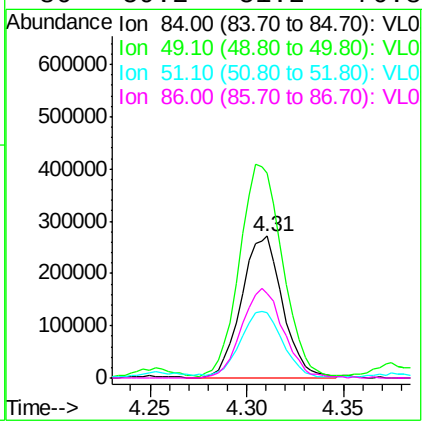
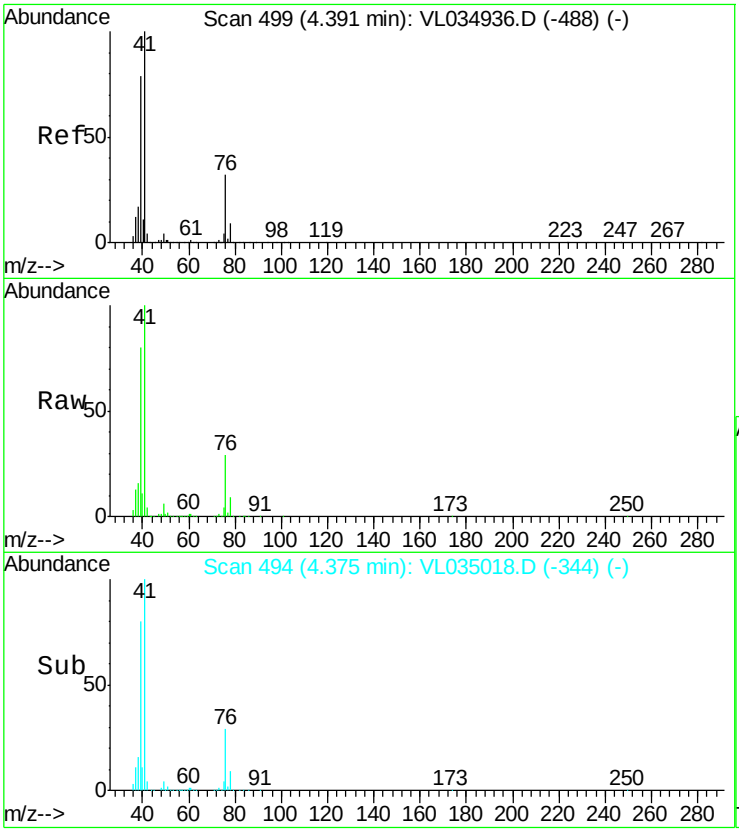


#20
Methylene Chloride
Concen: 8.824 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 84 Resp: 400508

Ion	Ratio	Lower	Upper
84	100		
49	142.6	132.5	198.7
51	45.2	38.4	57.6
86	59.2	51.2	76.8

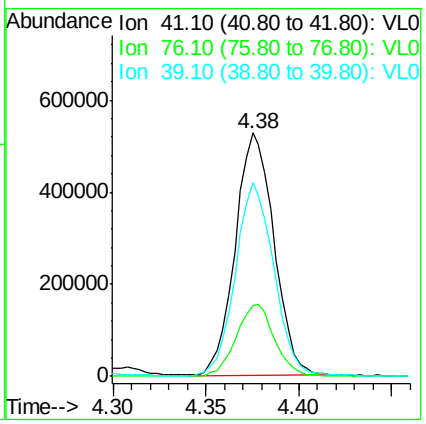




#21
Allyl Chloride
Concen: 9.835 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 41 Resp: 761680

Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.6	35.4
39	79.7	61.9	92.9



Instrument :
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ClientSampleId :
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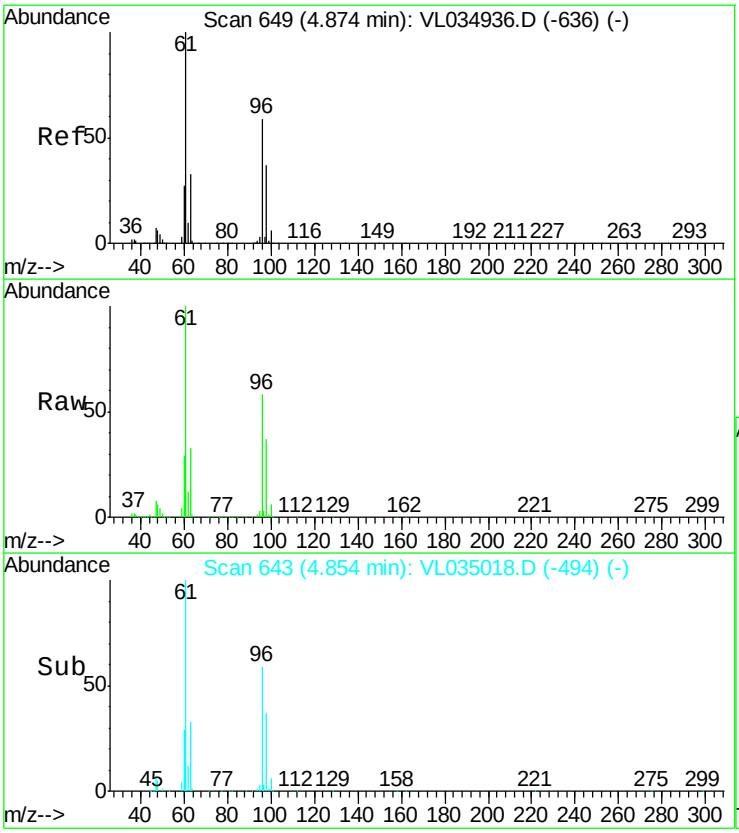
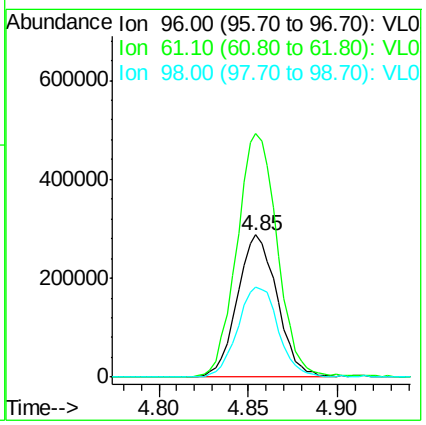
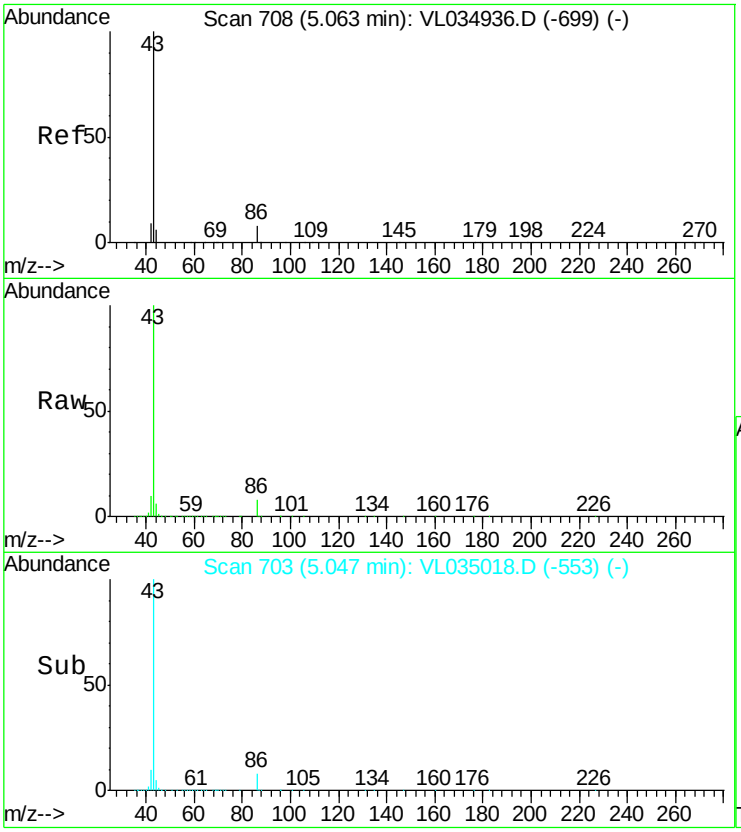


#22
trans-1,2-Dichloroethene
Concen: 9.641 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 96 Resp: 447742

Ion	Ratio	Lower	Upper
96	100		
61	170.9	135.3	202.9
98	63.2	50.4	75.6

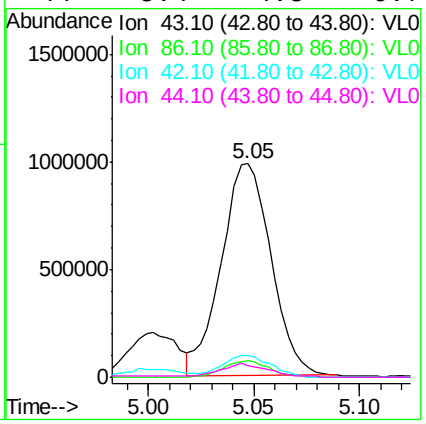




#23
Vinyl Acetate
Concen: 9.293 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 43 Resp: 1615735

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.5	8.3
42	10.2	8.0	12.0
44	5.4	4.5	6.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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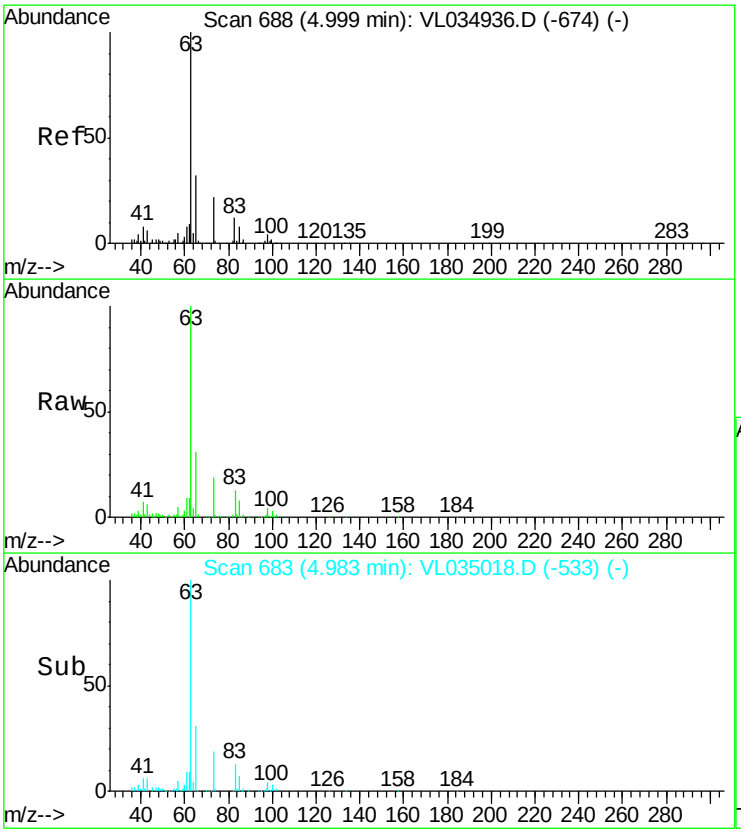
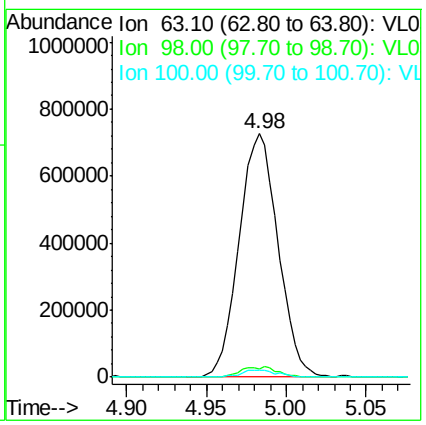
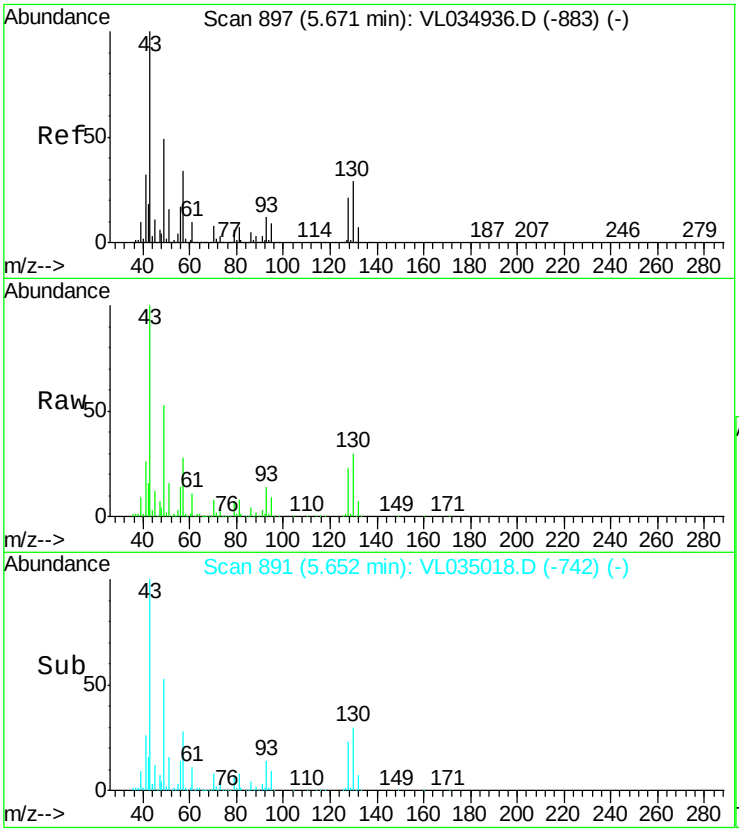


#24
1,1-Dichloroethane
Concen: 8.951 ppbv
RT: 4.98 min Scan# 683
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 63 Resp: 1198602

Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.0	6.0
100	2.6	1.1	3.5

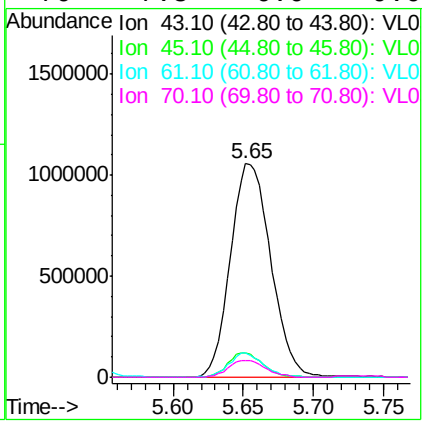




#25
Ethyl Acetate
Concen: 9.191 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 43 Resp: 2116792

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.9	7.8	11.8
70	7.3	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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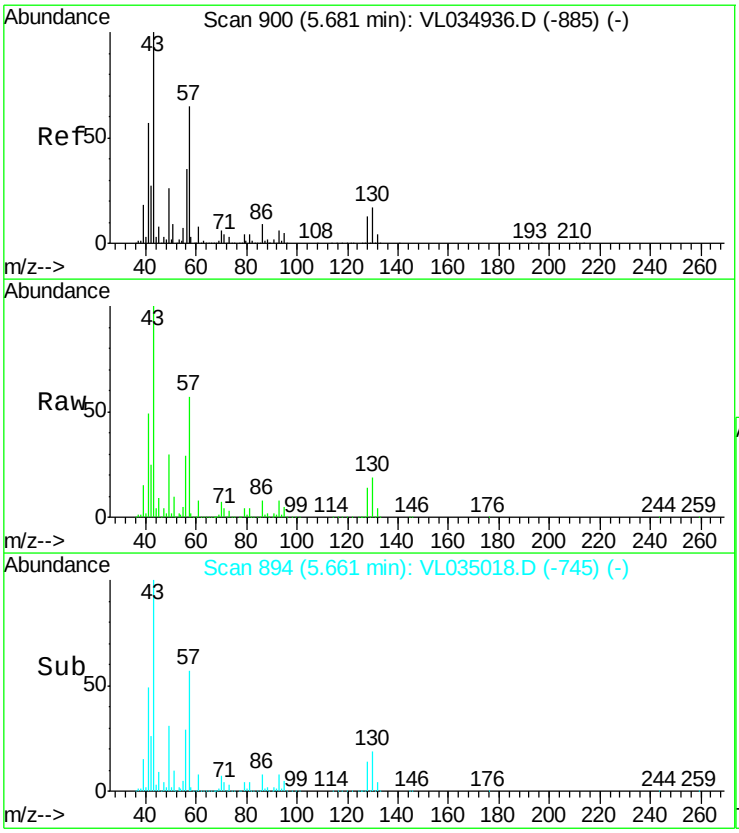
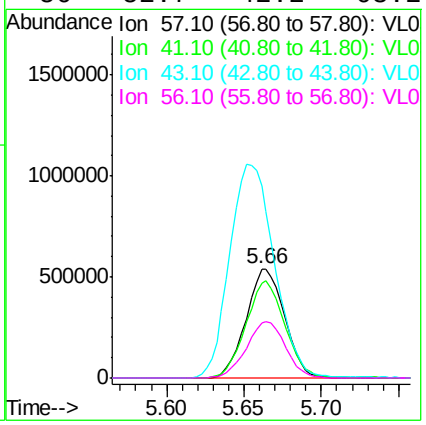
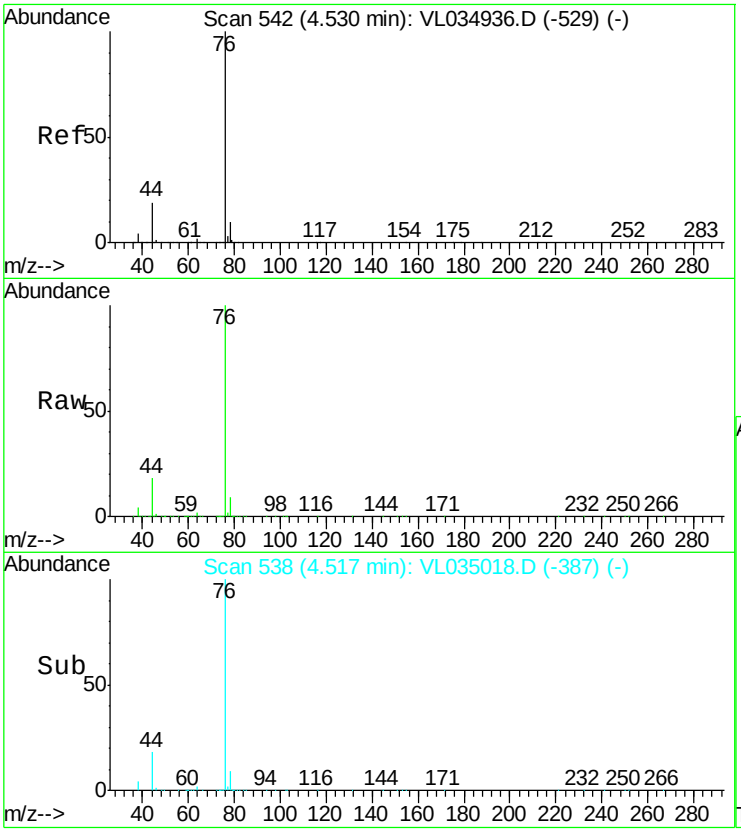


#26
Hexane
Concen: 9.345 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 57 Resp: 933077

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.7	109.1
43	228.0	182.1	273.1
56	52.7	42.2	63.2

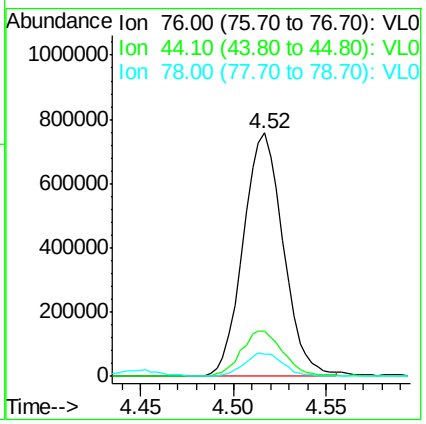




#27
Carbon Disulfide
Concen: 9.664 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 76 Resp: 1137280

Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.2	22.8
78	9.6	7.7	11.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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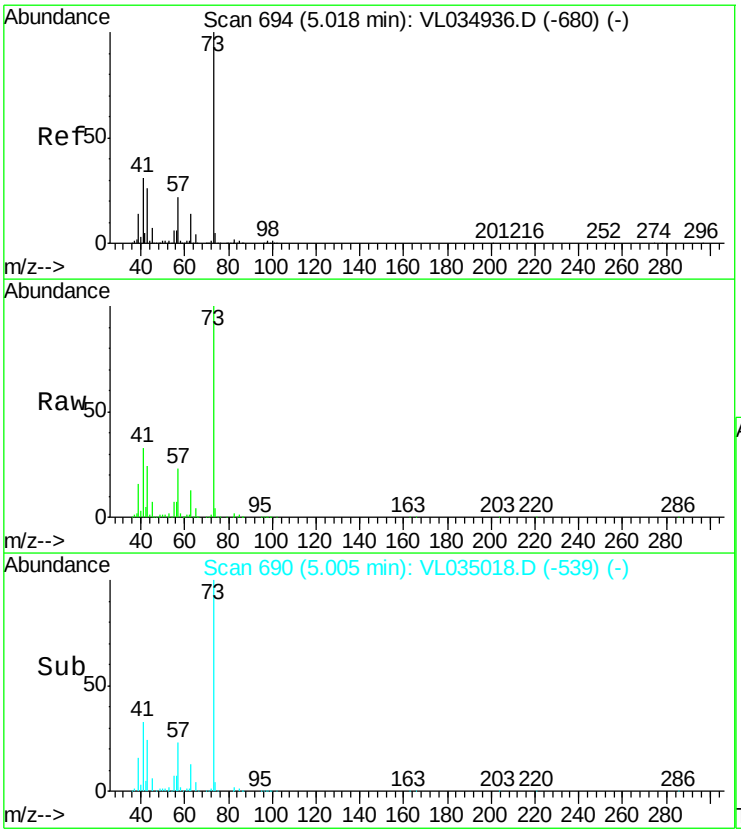
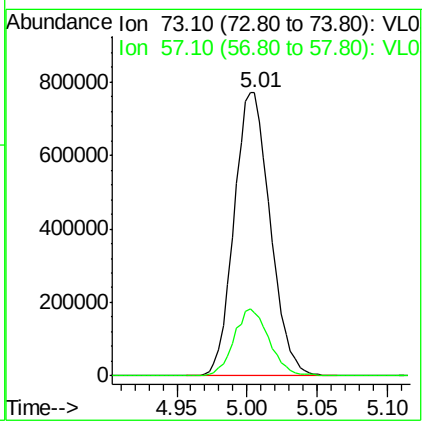
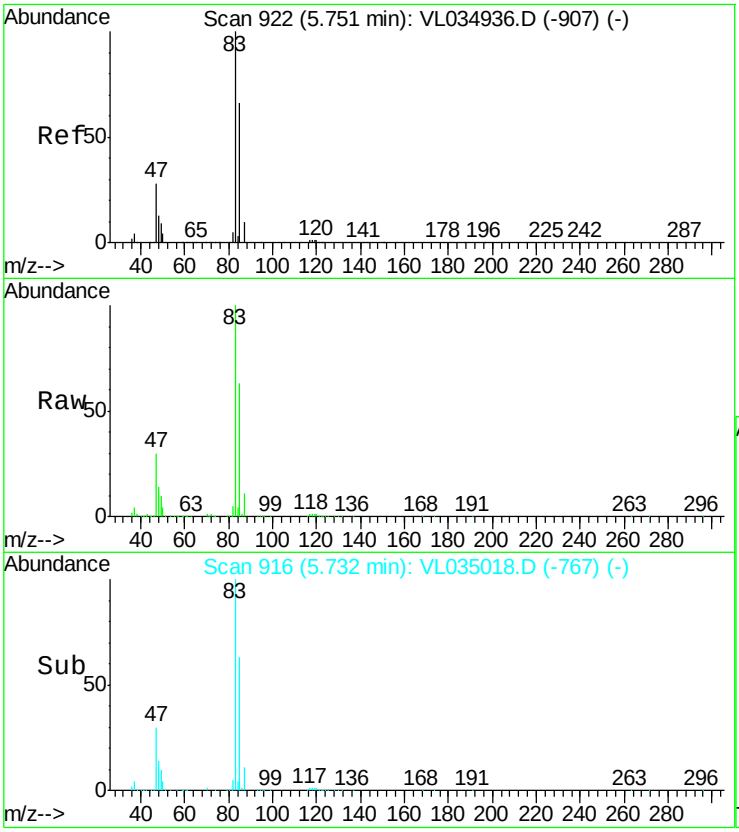


#28
Methyl tert-Butyl Ether
Concen: 9.090 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 73 Resp: 1382253

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.3	27.5

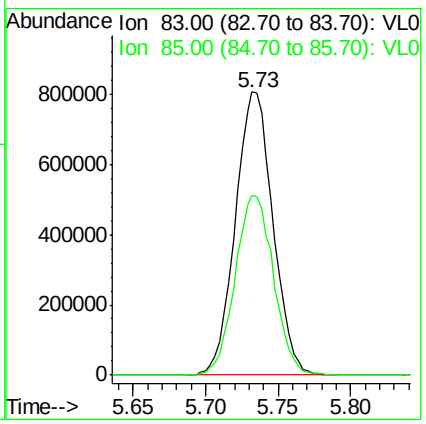




#29
Chloroform
Concen: 8.896 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 83 Resp: 1453277

Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.0	79.6



Instrument :
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ClientSampleId :
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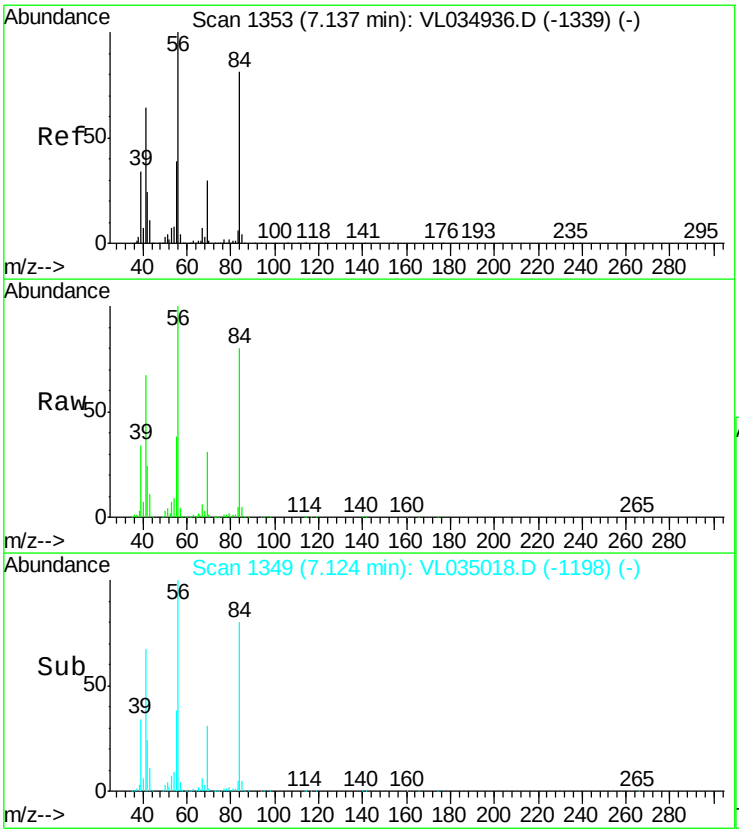
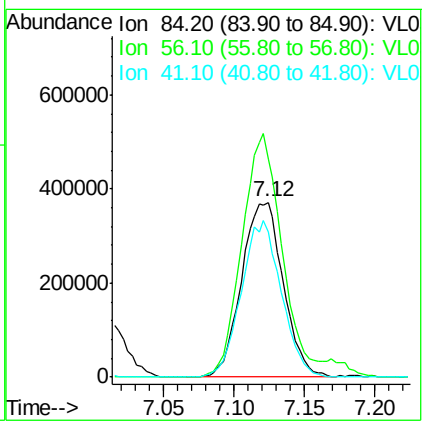
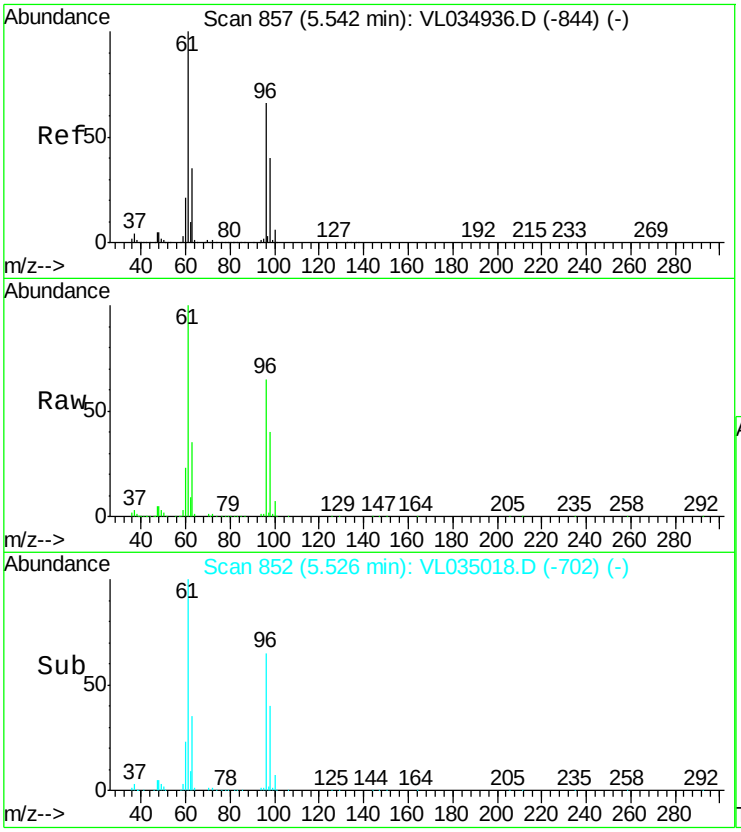


#30
Cyclohexane
Concen: 9.957 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 84 Resp: 767190

Ion	Ratio	Lower	Upper
84	100		
56	140.4	111.4	167.2
41	86.2	66.7	100.1

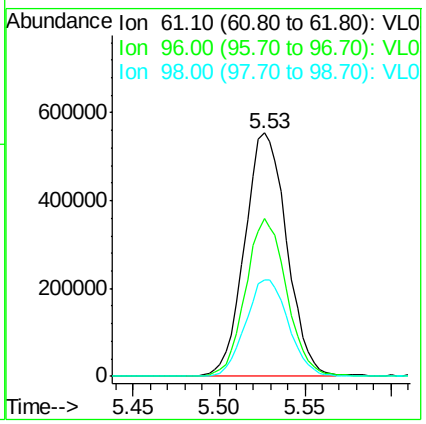




#31
cis-1,2-Dichloroethene
Concen: 9.653 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 61 Resp: 940349

Ion	Ratio	Lower	Upper
61	100		
96	65.0	53.0	79.6
98	39.7	32.2	48.2



Instrument :
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ClientSampleId :
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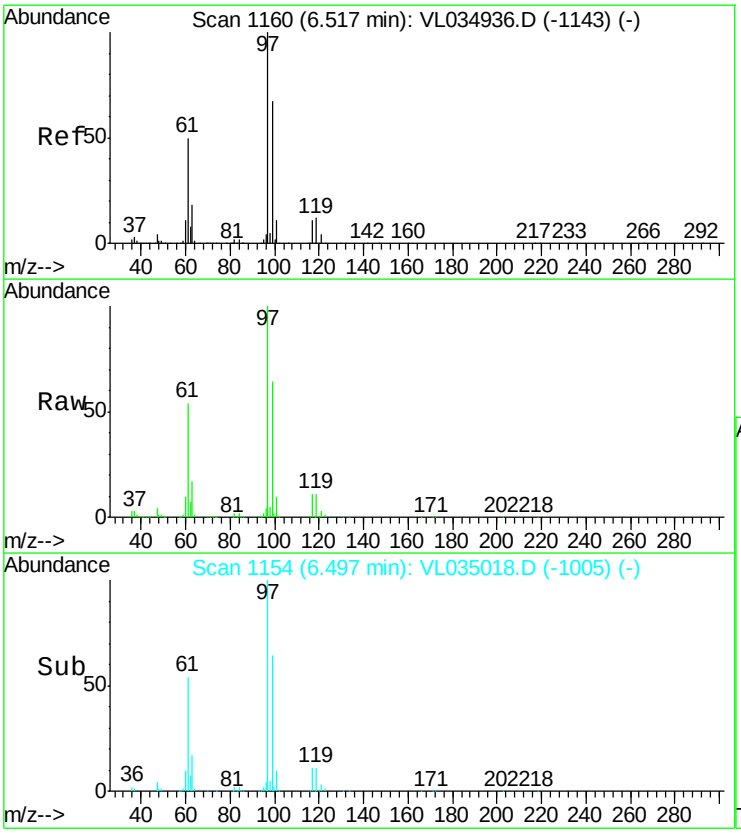
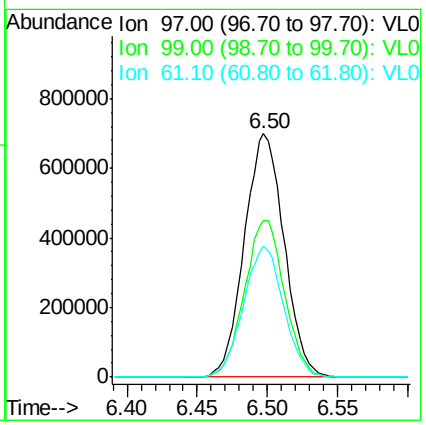
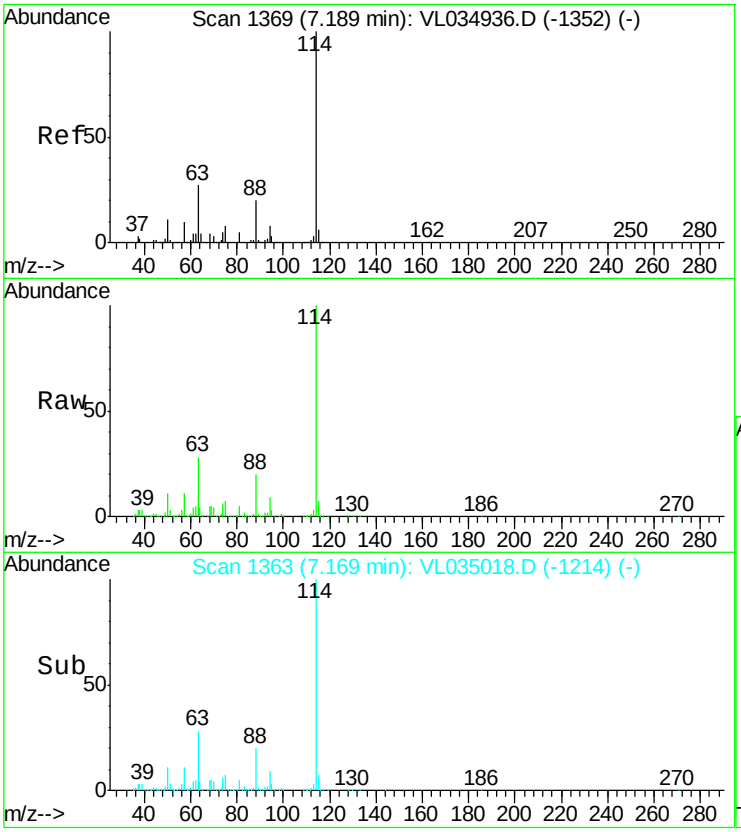


#32
1,1,1-Trichloroethane
Concen: 9.351 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 97 Resp: 1379633

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	54.2	41.8	62.8

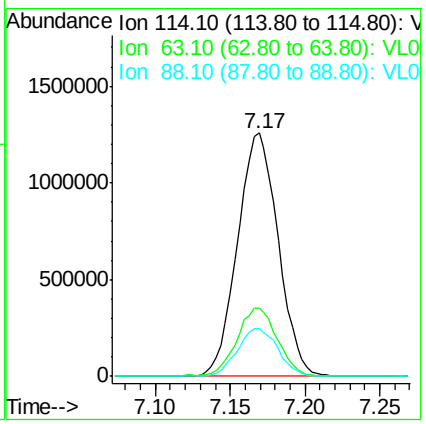




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:114 Resp: 2377239

Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.2	33.4
88	19.8	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
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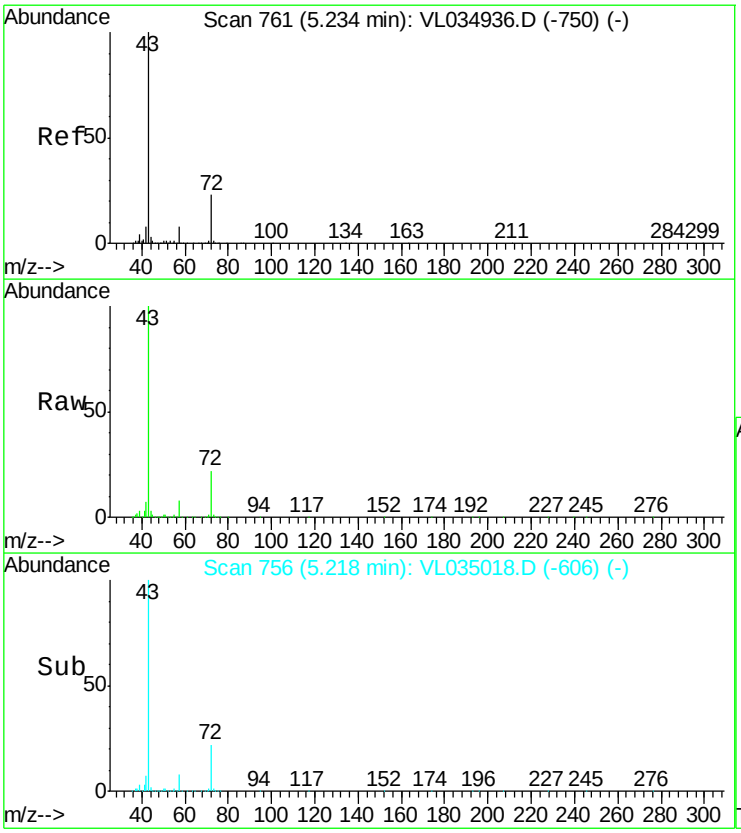
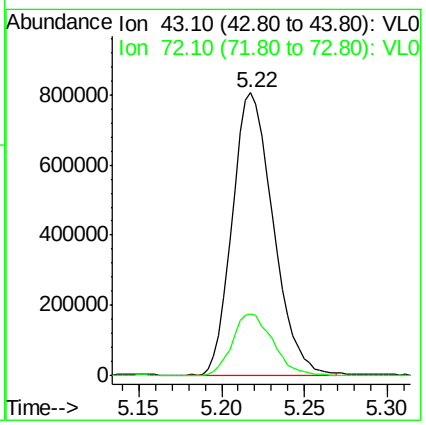
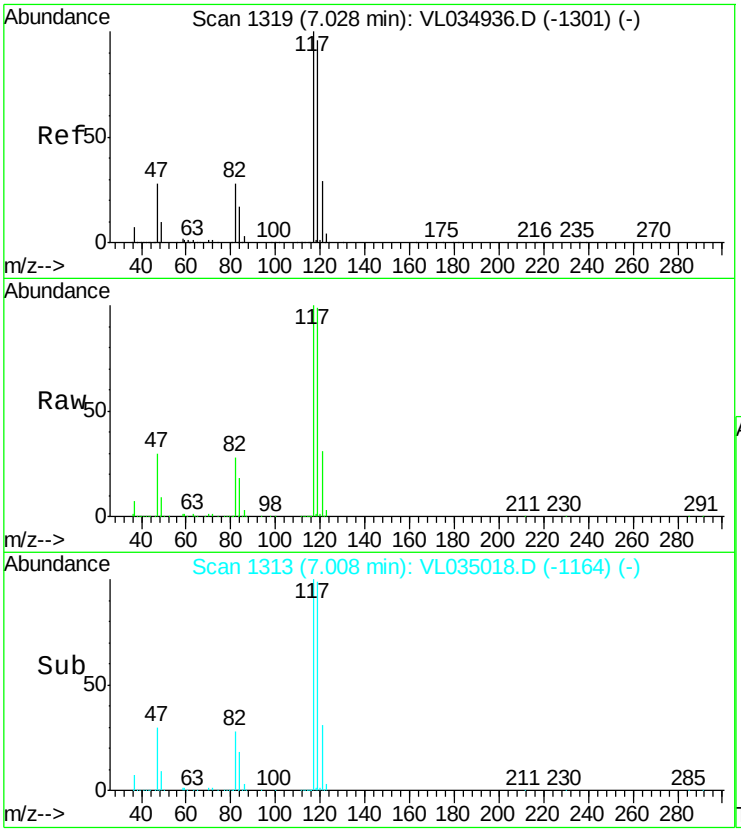


#34
2-Butanone
Concen: 9.358 ppbv
RT: 5.22 min Scan# 756
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 43 Resp: 1382587

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.0	27.0

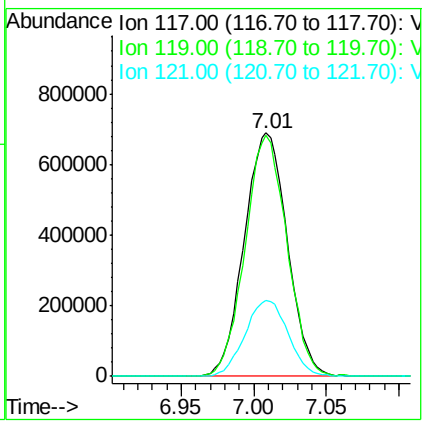




#35
Carbon Tetrachloride
Concen: 9.503 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:117 Resp: 1425939

Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.0	115.6
121	31.4	23.0	34.6



Instrument :
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ClientSampleId :
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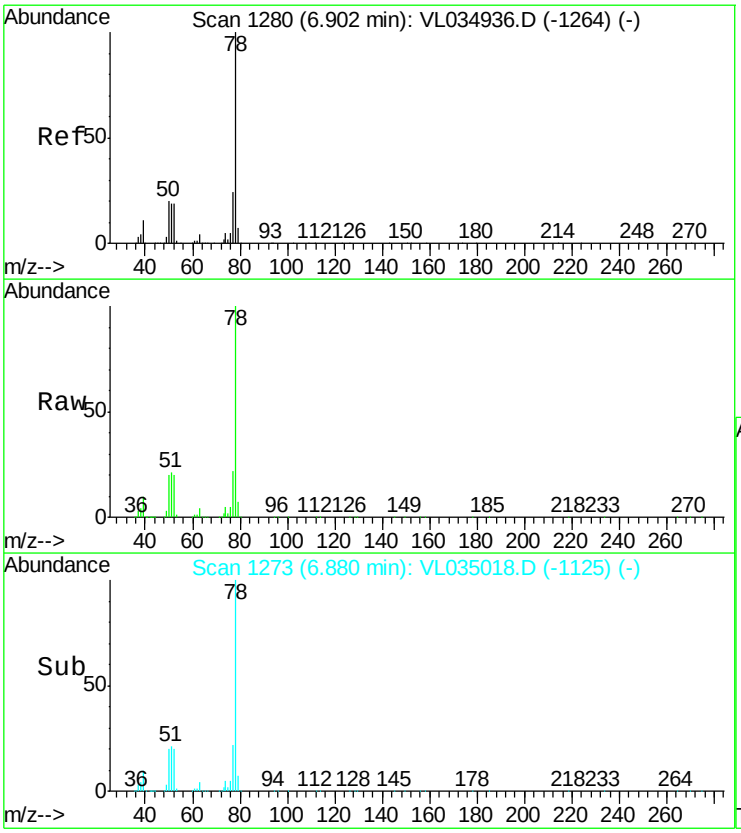
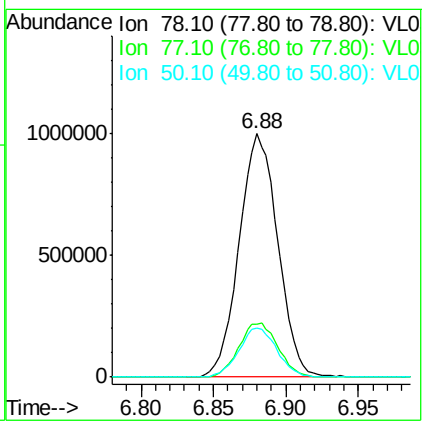
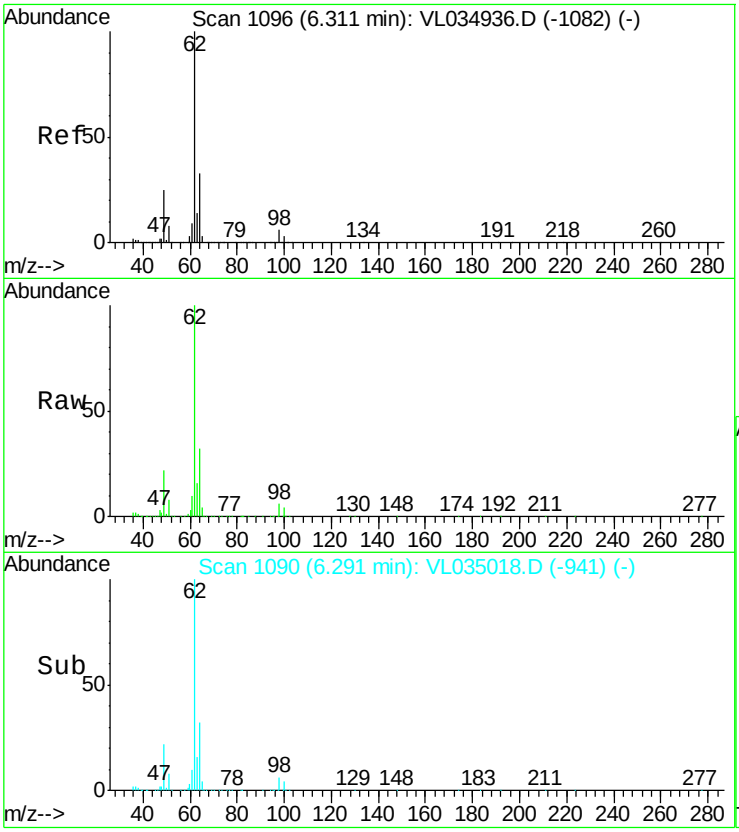


#36
Benzene
Concen: 9.450 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 78 Resp: 1852176

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.0	28.6
50	20.2	15.8	23.8

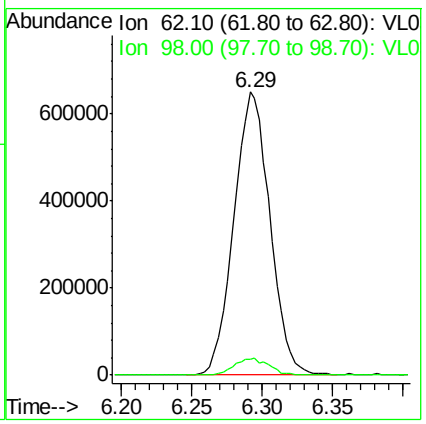




#37
1,2-Dichloroethane
Concen: 9.645 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 62 Resp: 1166107

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.8	7.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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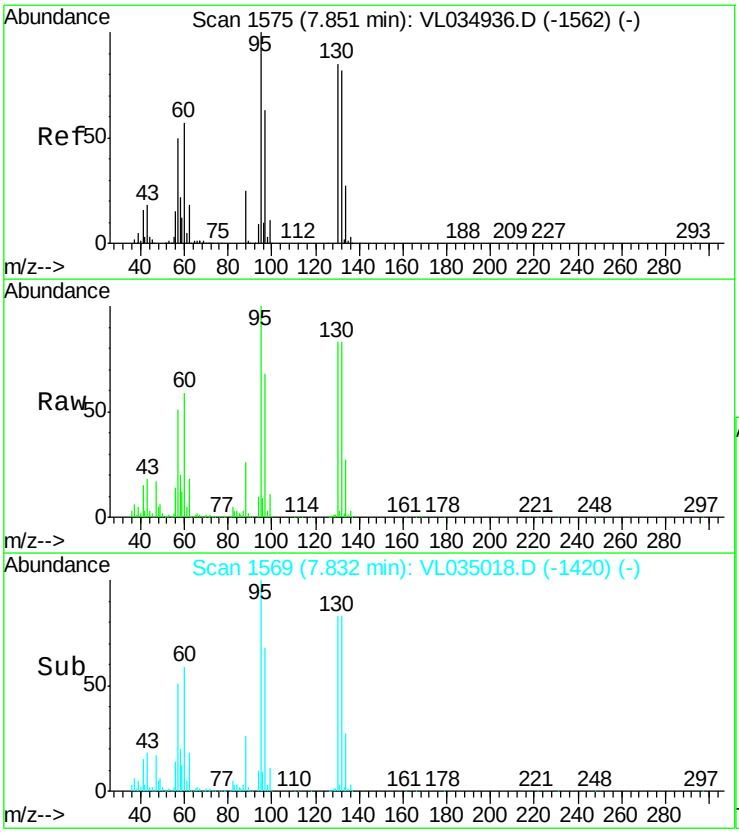
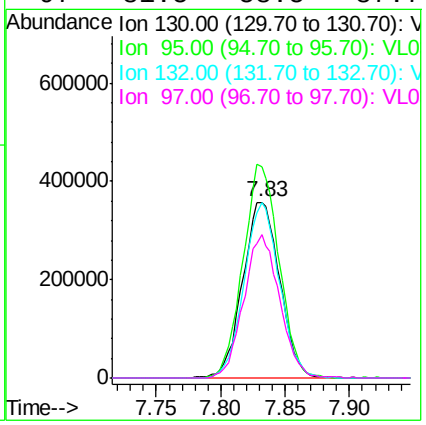
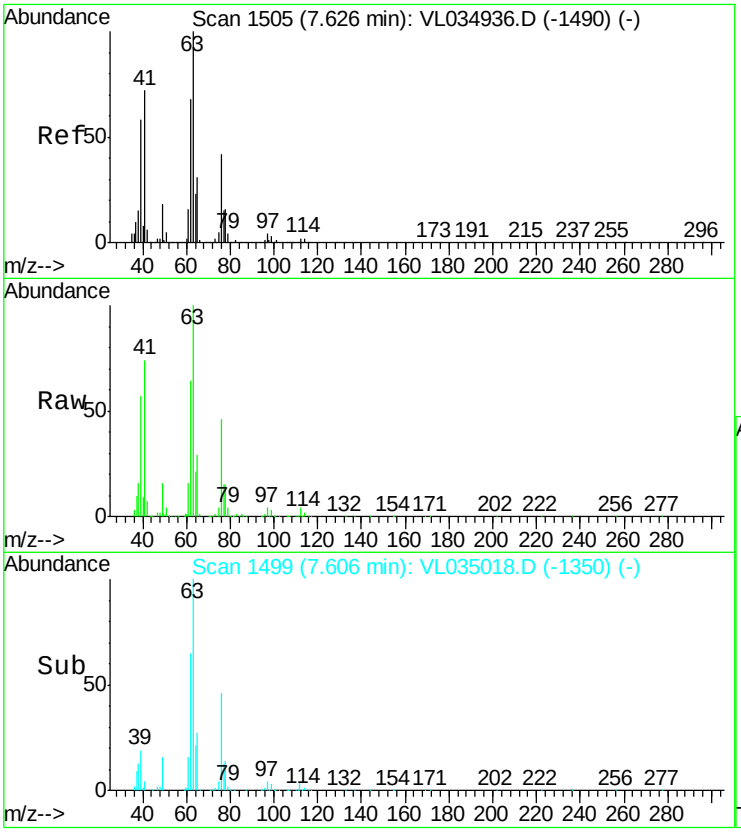


#38
Trichloroethene
Concen: 9.356 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:130 Resp: 710406

Ion	Ratio	Lower	Upper
130	100		
95	120.4	93.4	140.0
132	99.9	76.4	114.6
97	81.5	58.5	87.7

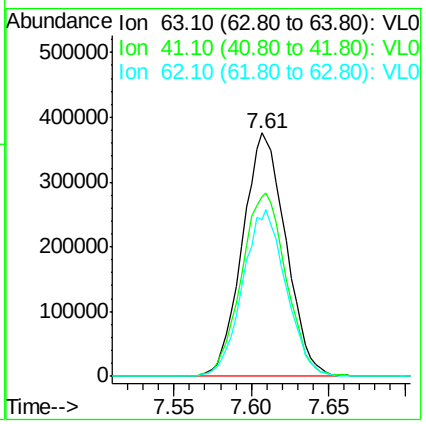




#39
1,2-Dichloropropane
Concen: 9.332 ppbv
RT: 7.61 min Scan# 1499
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 63 Resp: 733186

Ion	Ratio	Lower	Upper
63	100		
41	73.7	57.8	86.8
62	64.5	54.2	81.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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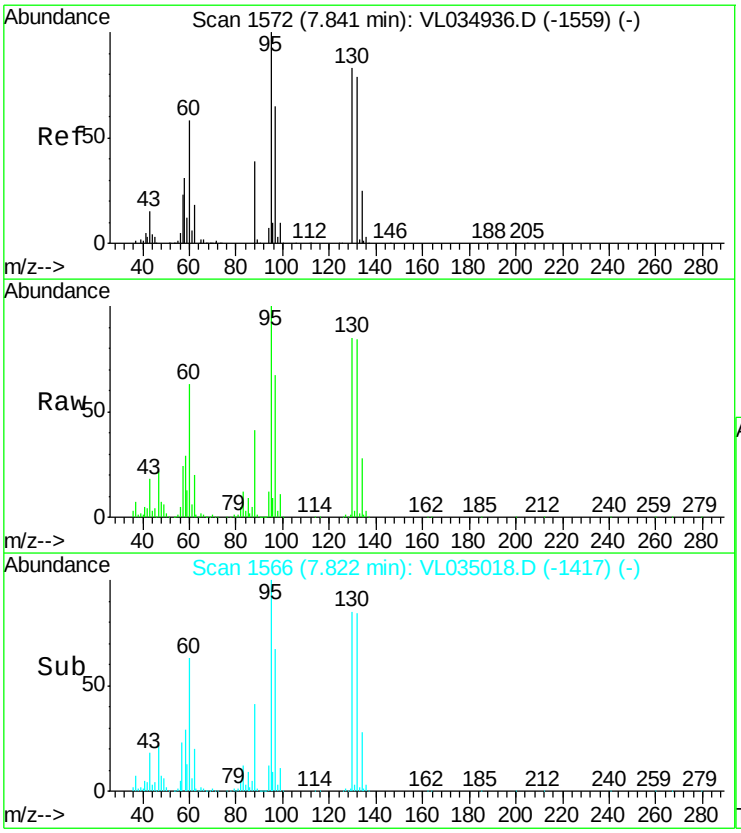
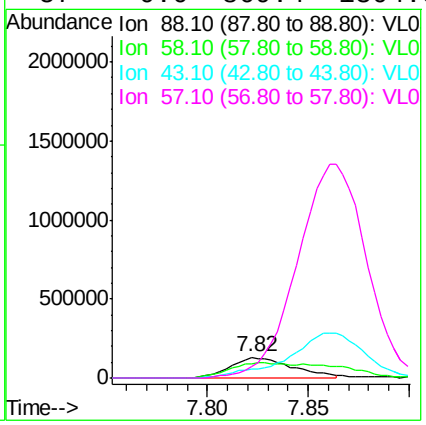
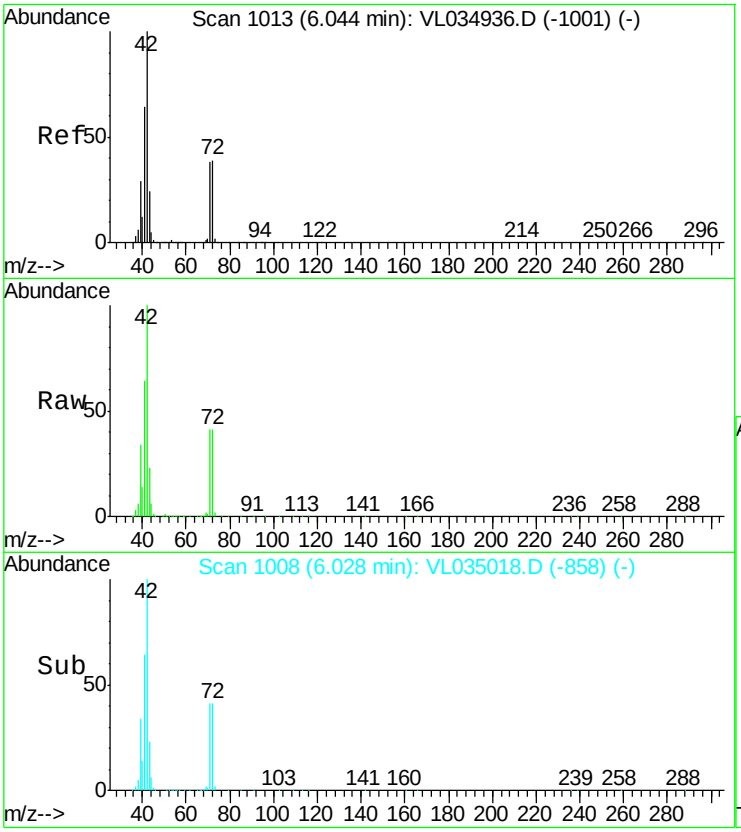


#40
1,4-Dioxane
Concen: 8.588 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 88 Resp: 274269

Ion	Ratio	Lower	Upper
88	100		
58	136.5	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#

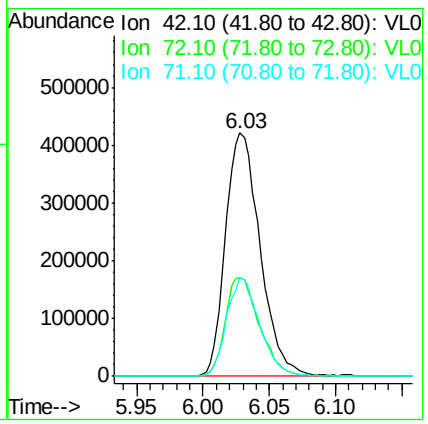




#41
Tetrahydrofuran
Concen: 9.845 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 42 Resp: 765829

Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.4	47.0
71	38.8	29.8	44.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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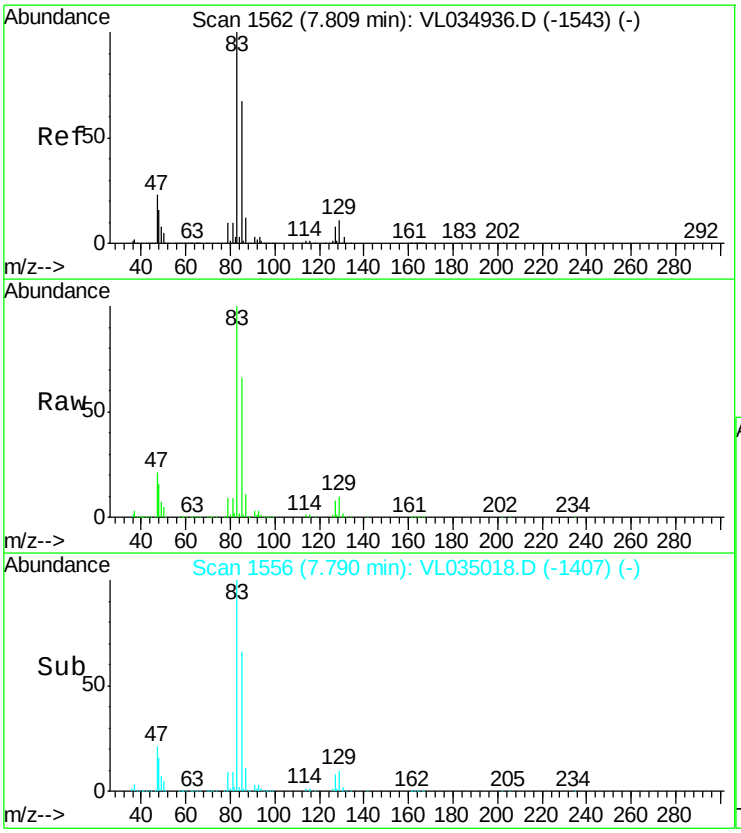
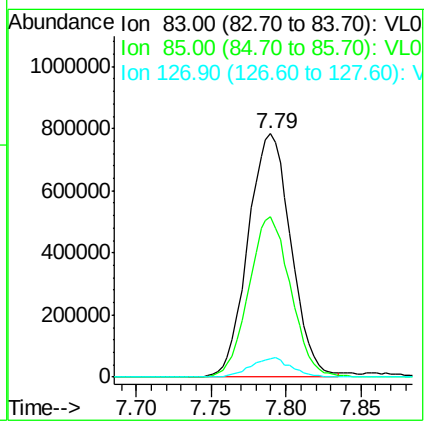
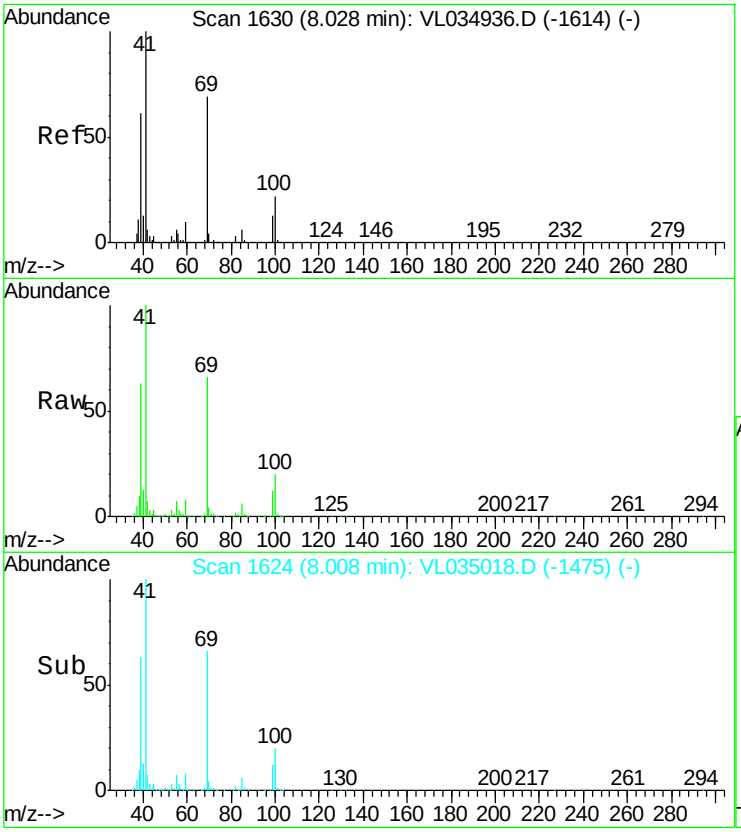


#42
Bromodichloromethane
Concen: 9.585 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 83 Resp: 1562857

Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.4	80.0
127	7.7	6.1	9.1

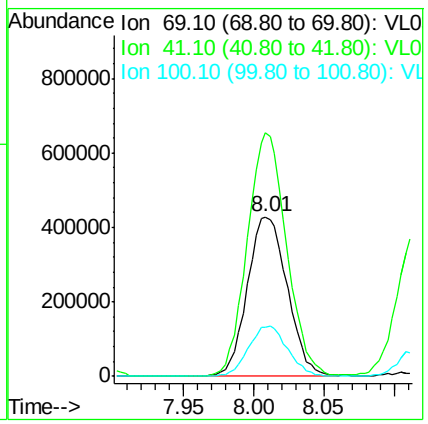




#43
Methyl Methacrylate
Concen: 10.271 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 69 Resp: 850027

Ion	Ratio	Lower	Upper
69	100		
41	149.4	119.8	179.6
100	30.7	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
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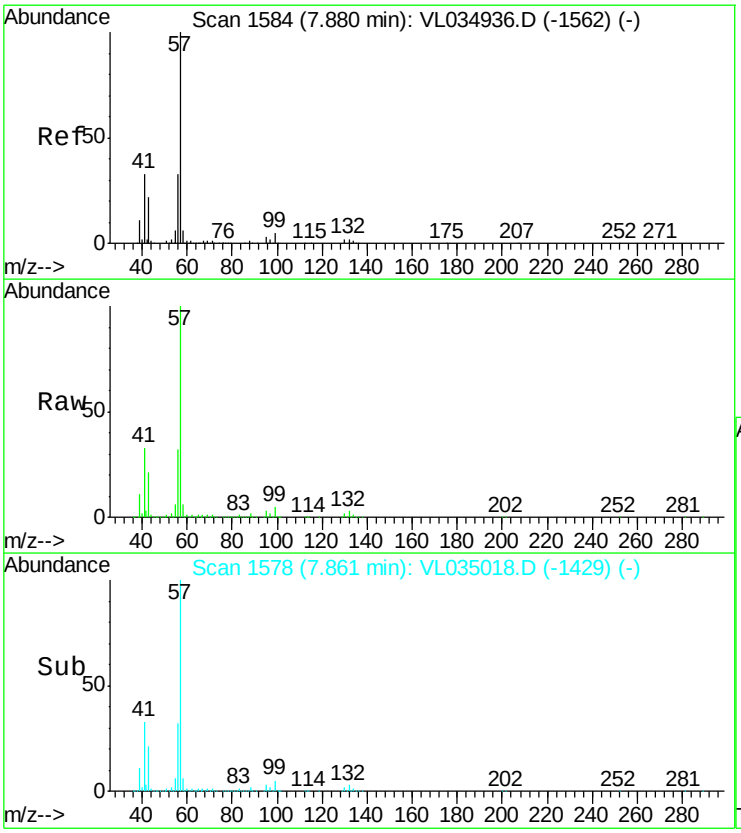
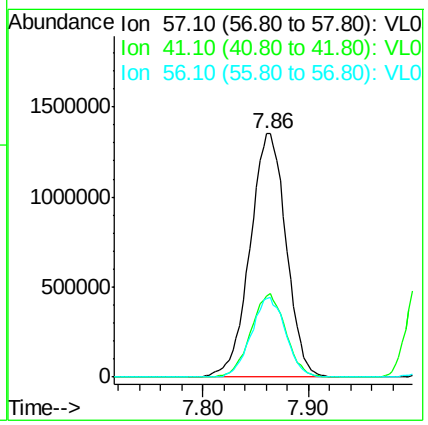
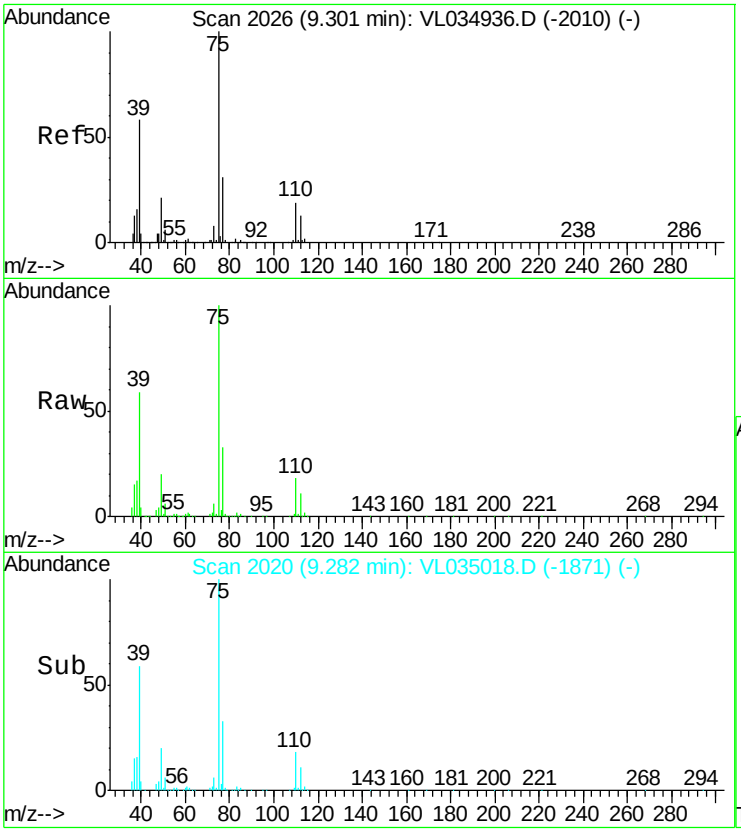


#44
2,2,4-Trimethylpentane
Concen: 9.239 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 57 Resp: 3219158

Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.4	39.6
56	31.2	25.5	38.3

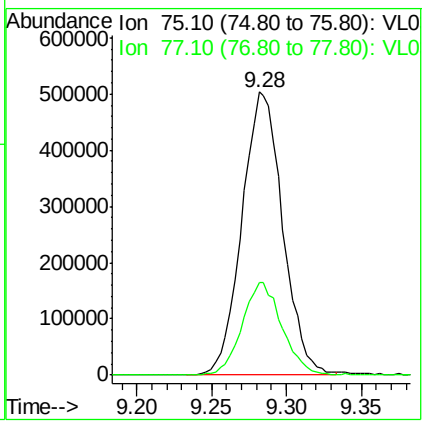




#45
t-1,3-Dichloropropene
Concen: 11.424 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 75 Resp: 954142

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.9	37.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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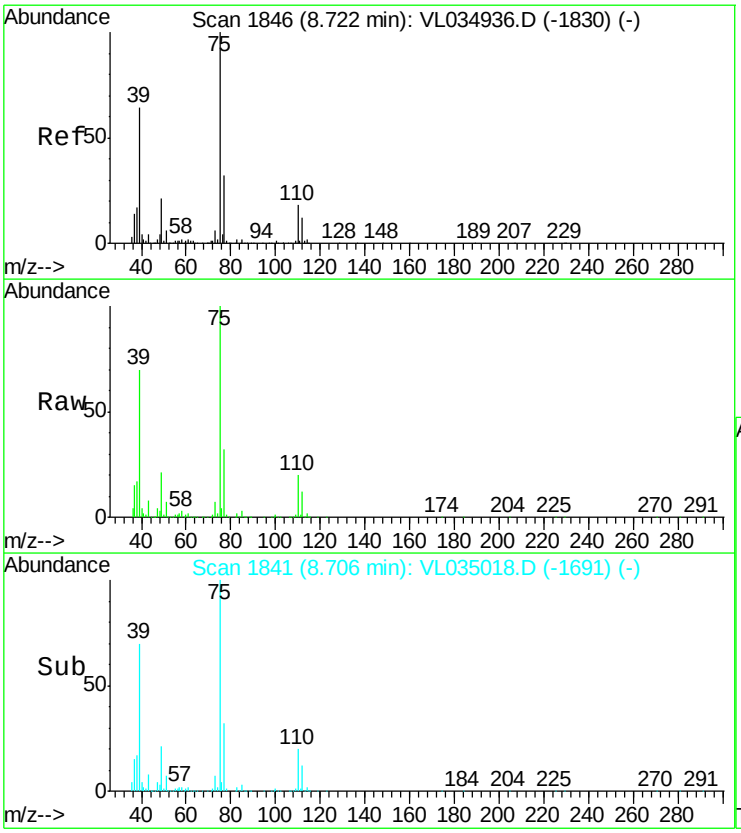
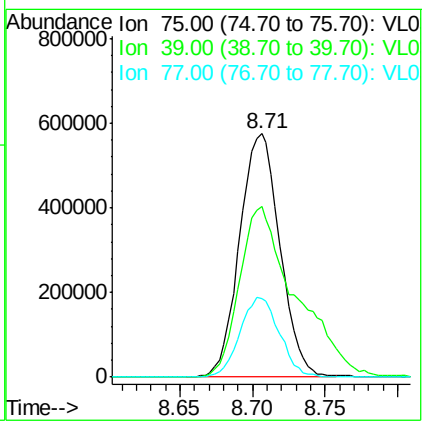
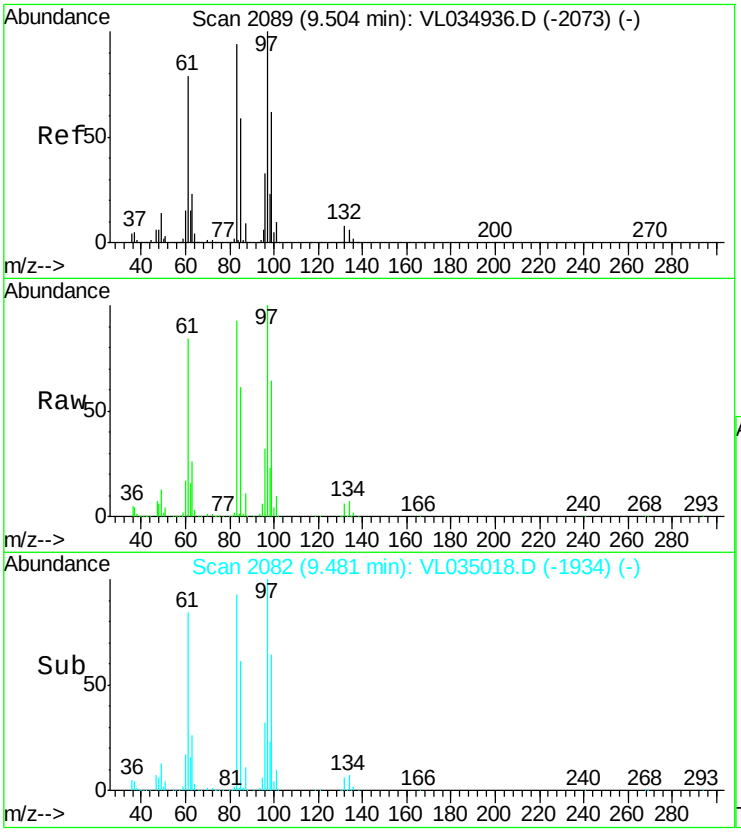


#46
cis-1,3-Dichloropropene
Concen: 10.852 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 75 Resp: 1112743

Ion	Ratio	Lower	Upper
75	100		
39	70.0	51.5	77.3
77	32.3	25.5	38.3

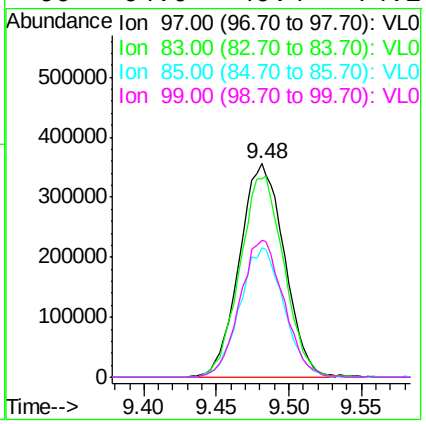




#47
1,1,2-Trichloroethane
Concen: 9.262 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 97 Resp: 767968

Ion	Ratio	Lower	Upper
97	100		
83	93.0	75.6	113.4
85	60.7	47.0	70.6
99	64.0	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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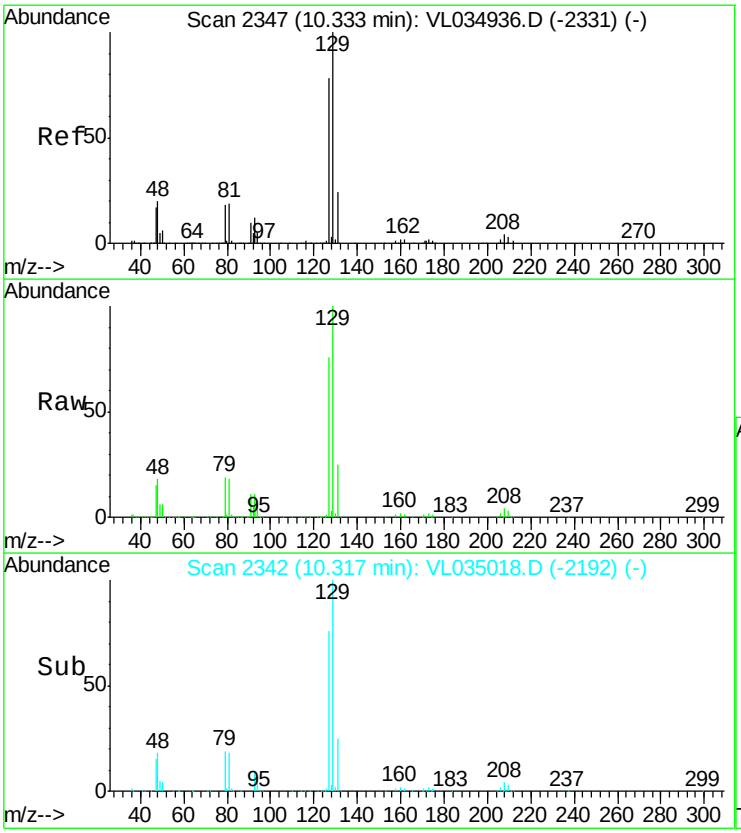
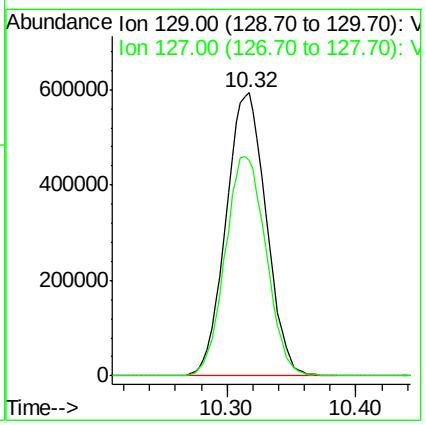
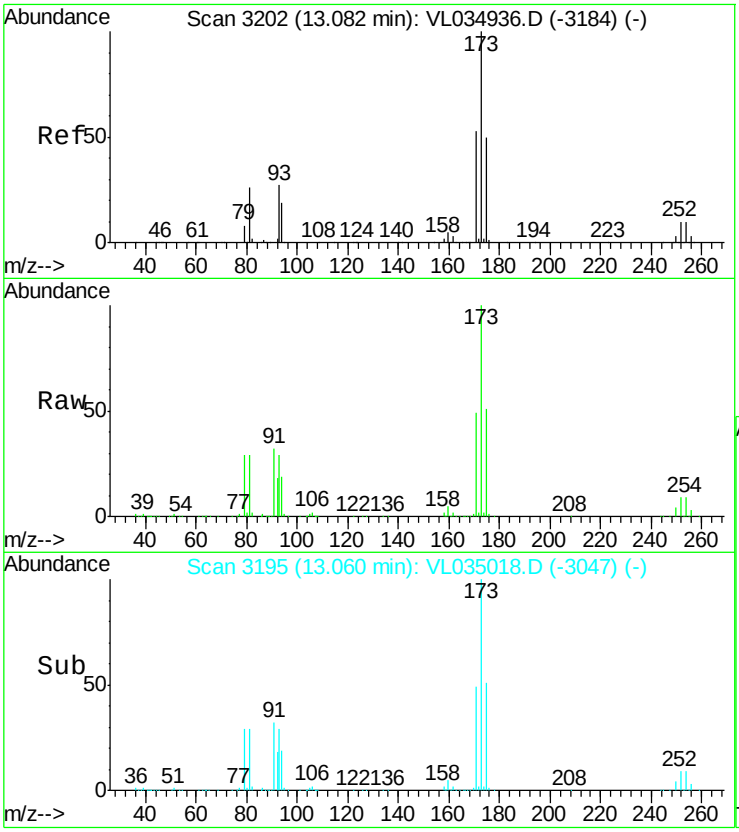


#48
Dibromochloromethane
Concen: 10.078 ppbv
RT: 10.32 min Scan# 2342
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:129 Resp: 1284942

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.2

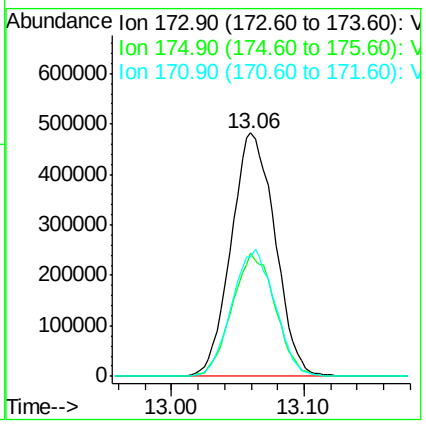




#49
Bromoform
Concen: 10.064 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:173 Resp: 1104052

Ion	Ratio	Lower	Upper
173	100		
175	50.0	39.0	58.6
171	51.8	41.4	62.2



Instrument :
MSVOA_L
ClientSampleId :
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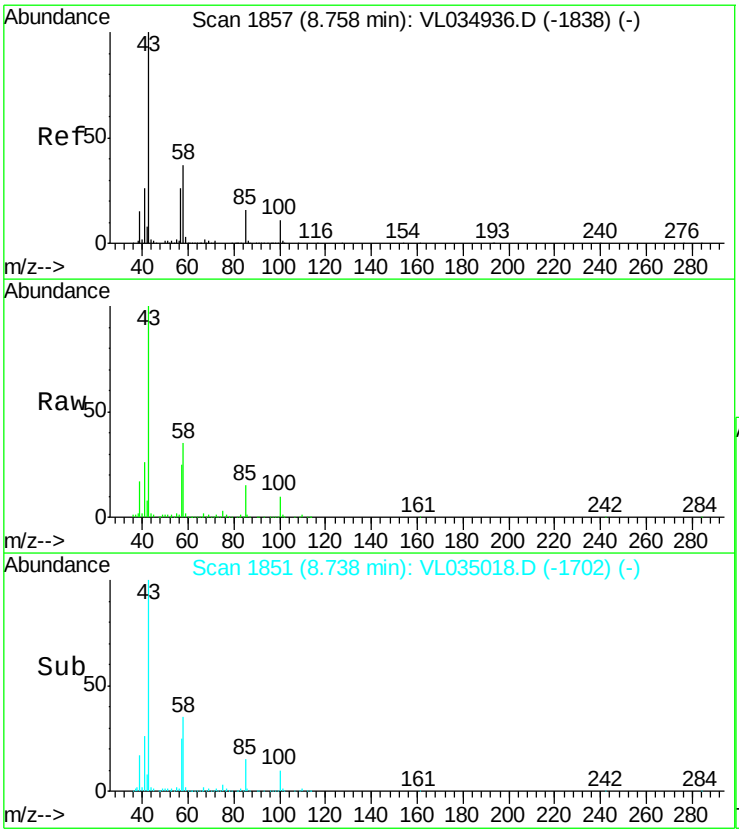
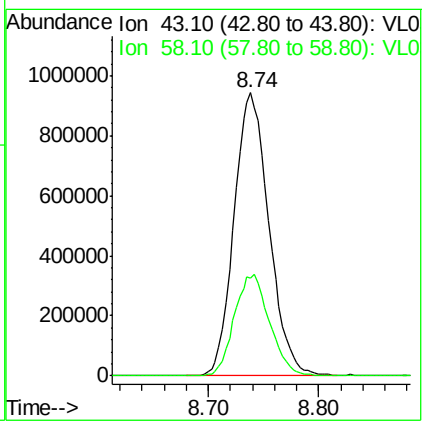
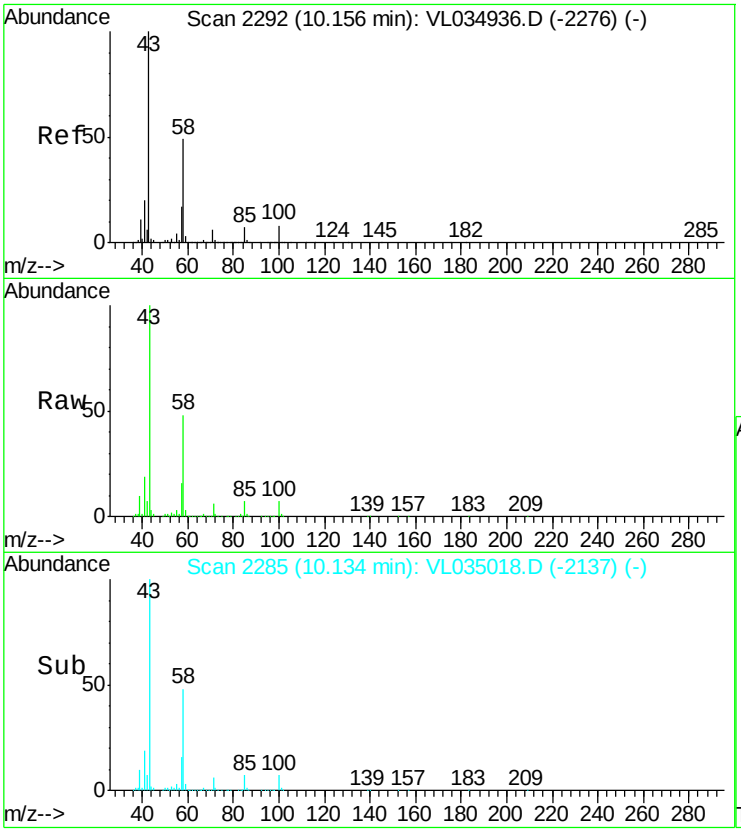


#50
4-Methyl-2-Pentanone
Concen: 9.819 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 43 Resp: 2068675

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.1	43.7

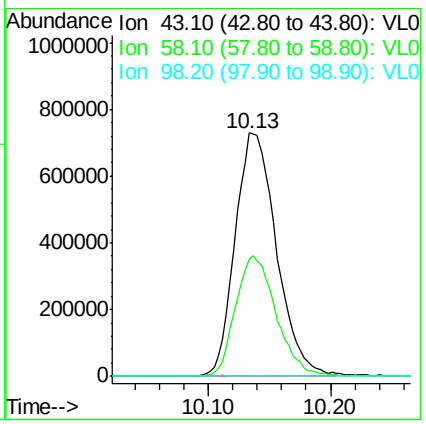




#51
2-Hexanone
Concen: 10.363 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 43 Resp: 1707662

Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.1	58.7
98	0.2	0.3	0.5#



Instrument :
MSVOA_L
ClientSampleId :
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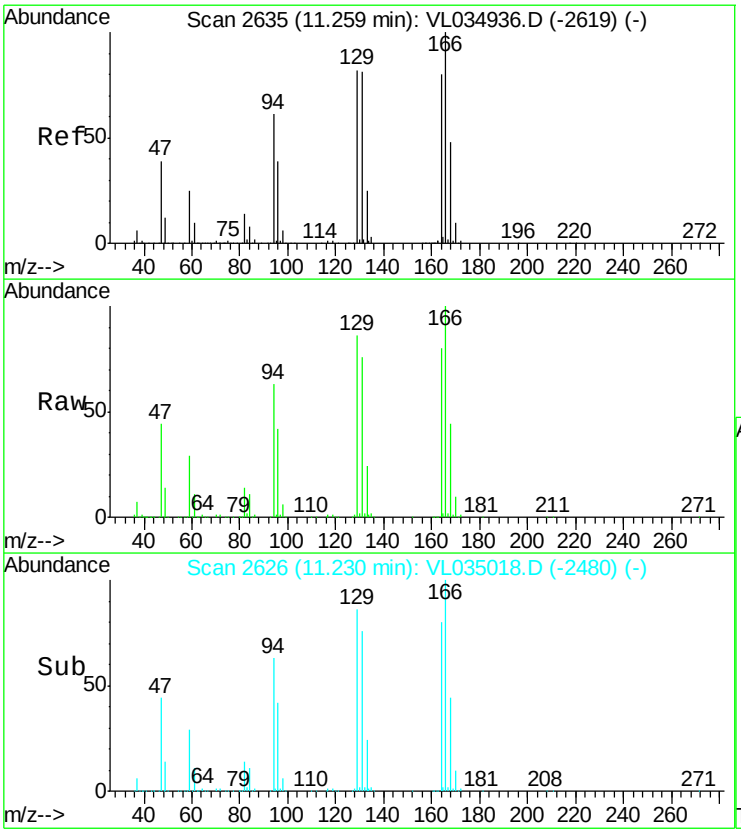
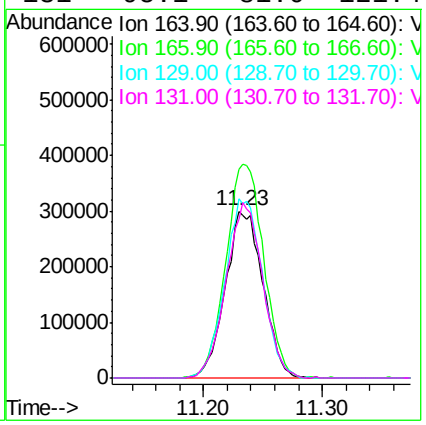
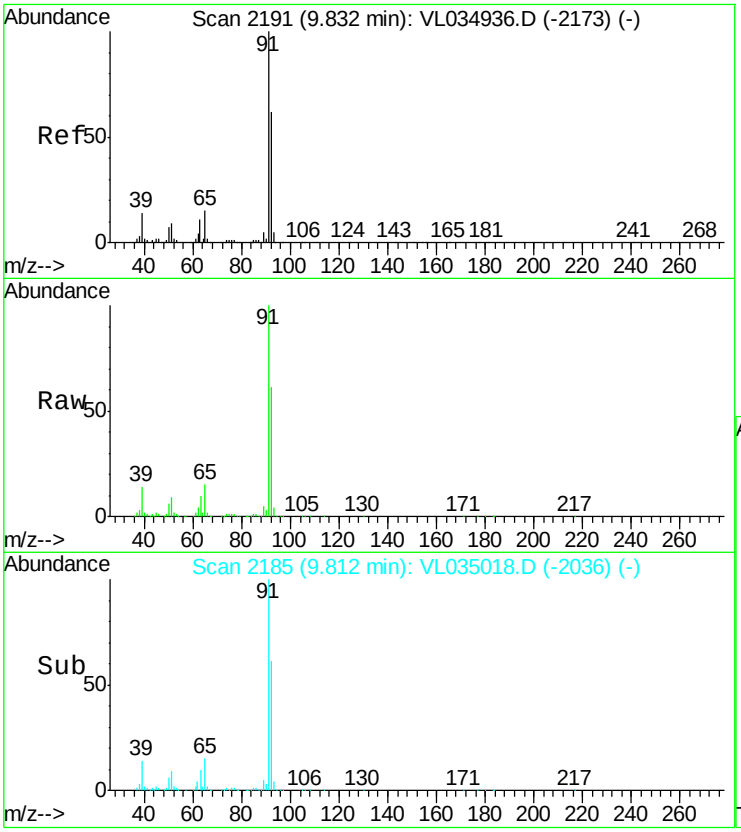


#52
Tetrachloroethene
Concen: 9.388 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. -0.03 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:164 Resp: 654243

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.7	151.1
129	107.3	83.0	124.4
131	95.1	81.0	121.4

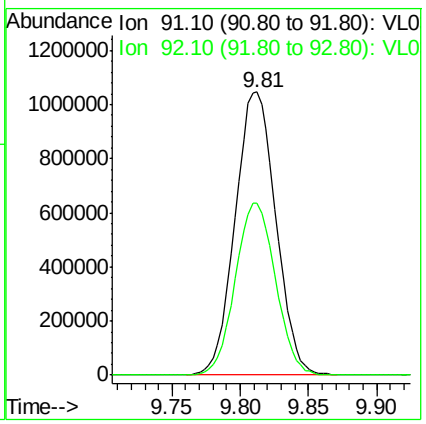




#53
Toluene
Concen: 10.445 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 91 Resp: 2170071

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.6	73.0



Instrument :
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ClientSampleId :
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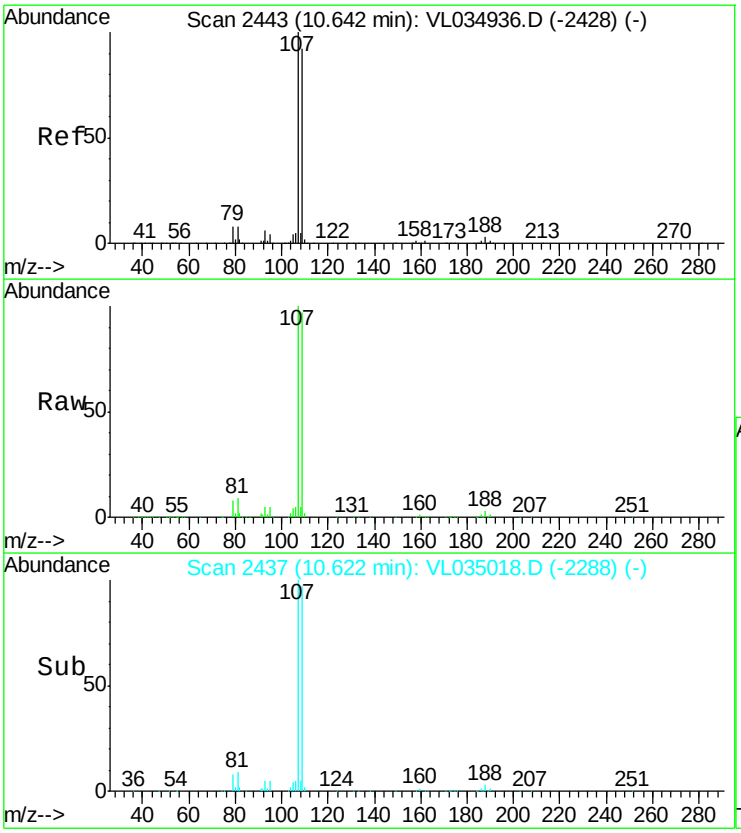
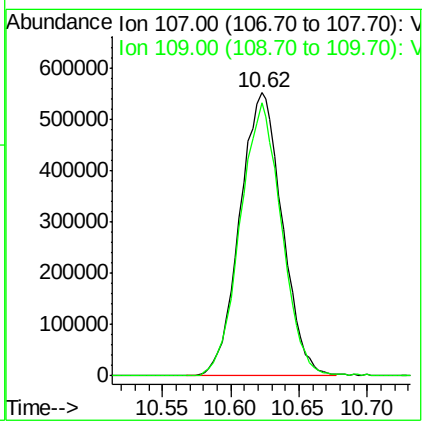
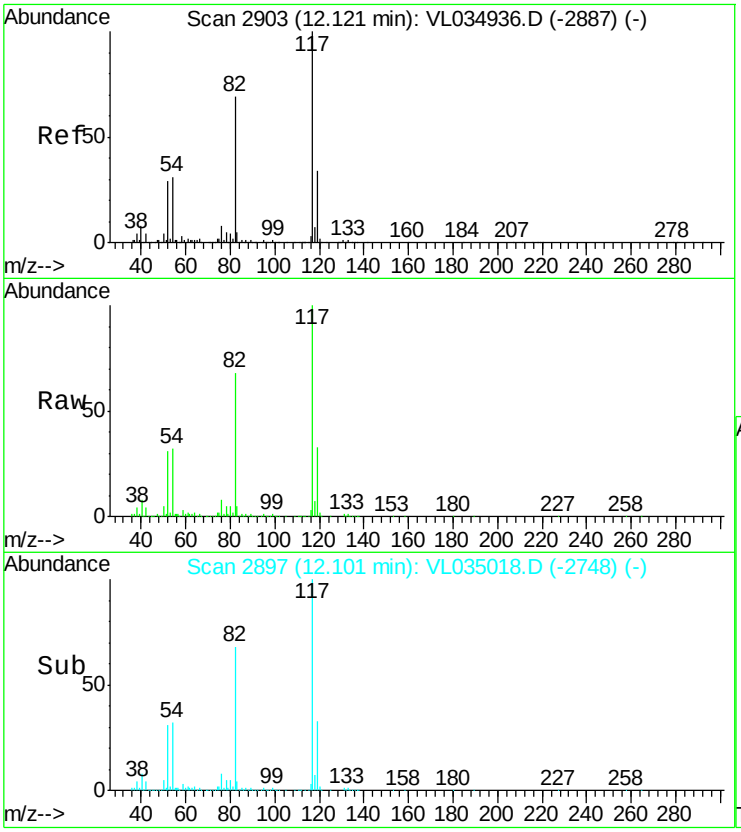


#54
1,2-Dibromoethane
Concen: 9.767 ppbv
RT: 10.62 min Scan# 2437
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:107 Resp: 1189126

Ion	Ratio	Lower	Upper
107	100		
109	96.5	73.2	109.8

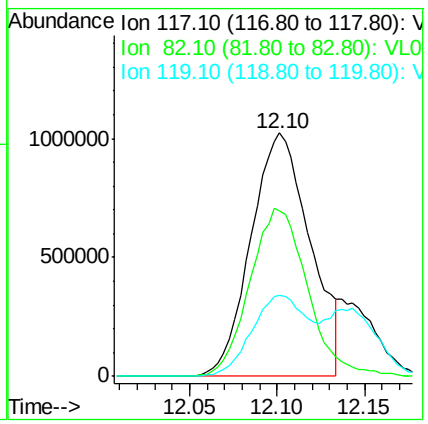




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:117 Resp: 2418344

Ion	Ratio	Lower	Upper
117	100		
82	67.2	53.1	79.7
119	30.3	26.7	40.1



Instrument :
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ClientSampleId :
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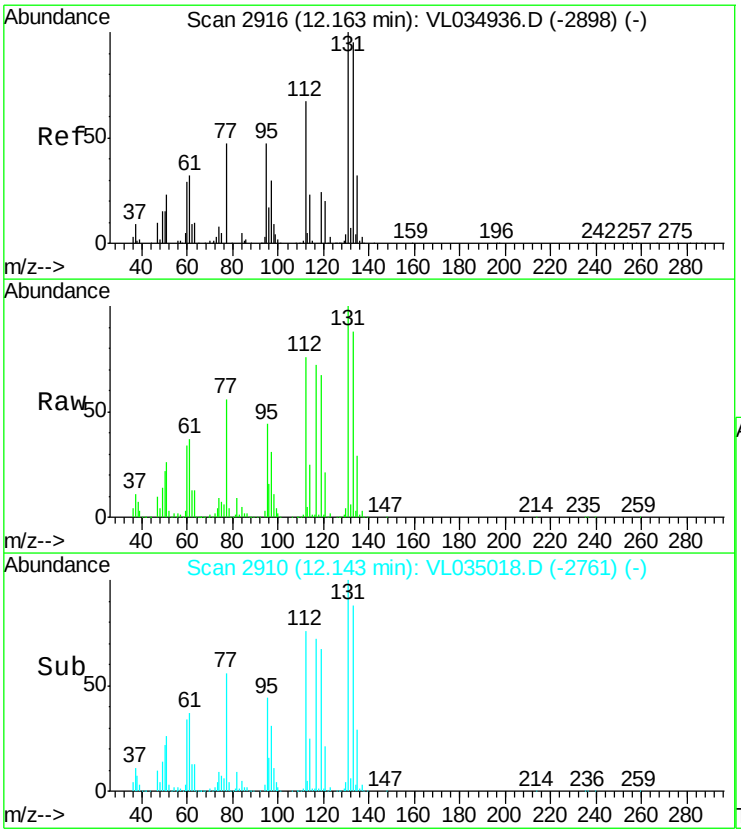
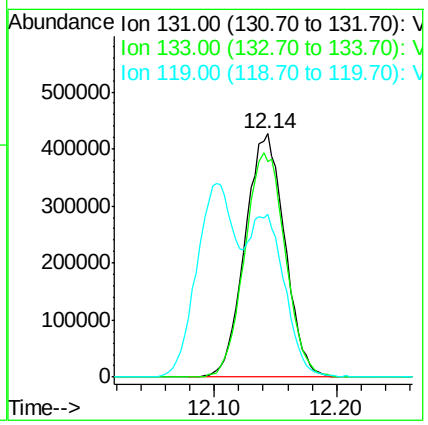
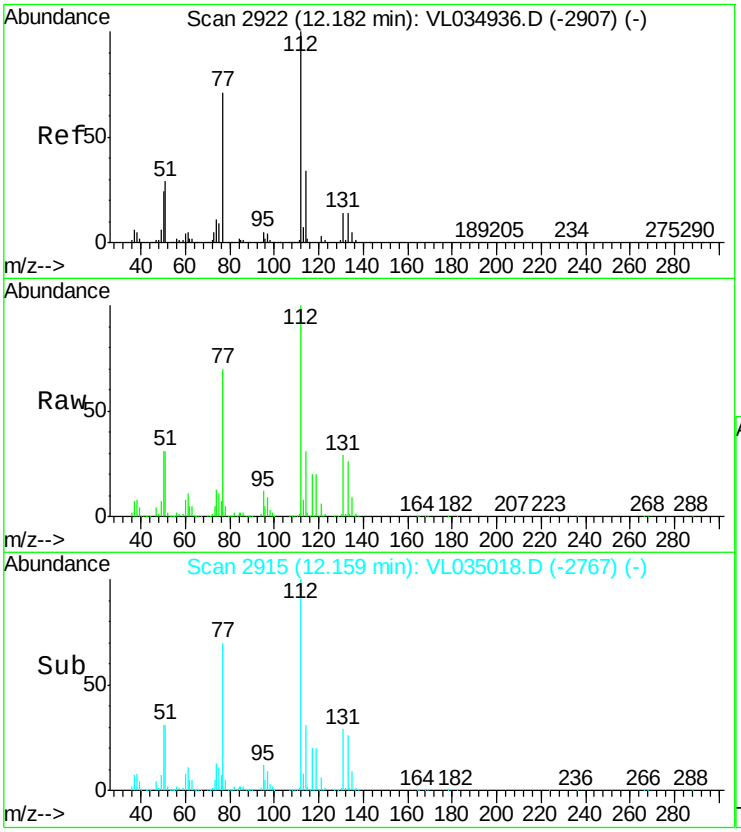


#56
1,1,1,2-Tetrachloroethane
Concen: 8.795 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:131 Resp: 959141

Ion	Ratio	Lower	Upper
131	100		
133	94.0	77.7	116.5
119	55.0	49.8	74.6

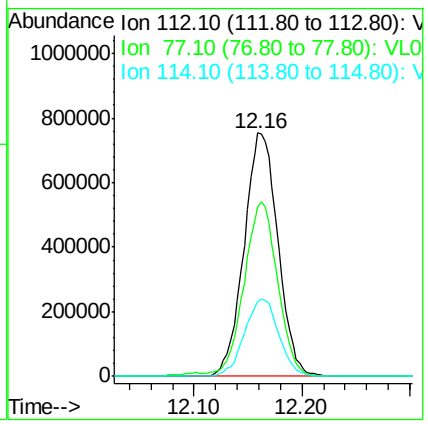




#57
Chlorobenzene
Concen: 8.573 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:112 Resp: 1642565

Ion	Ratio	Lower	Upper
112	100		
77	69.4	57.0	85.6
114	30.9	30.8	37.6



Instrument :
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ClientSampleId :
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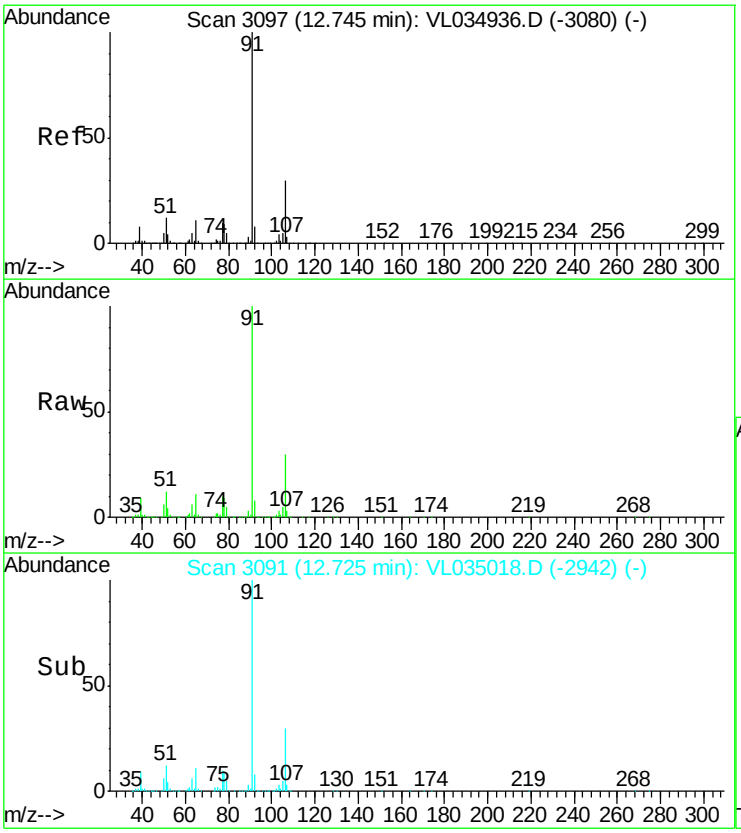
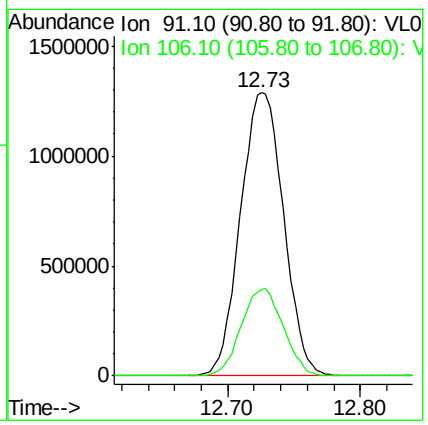
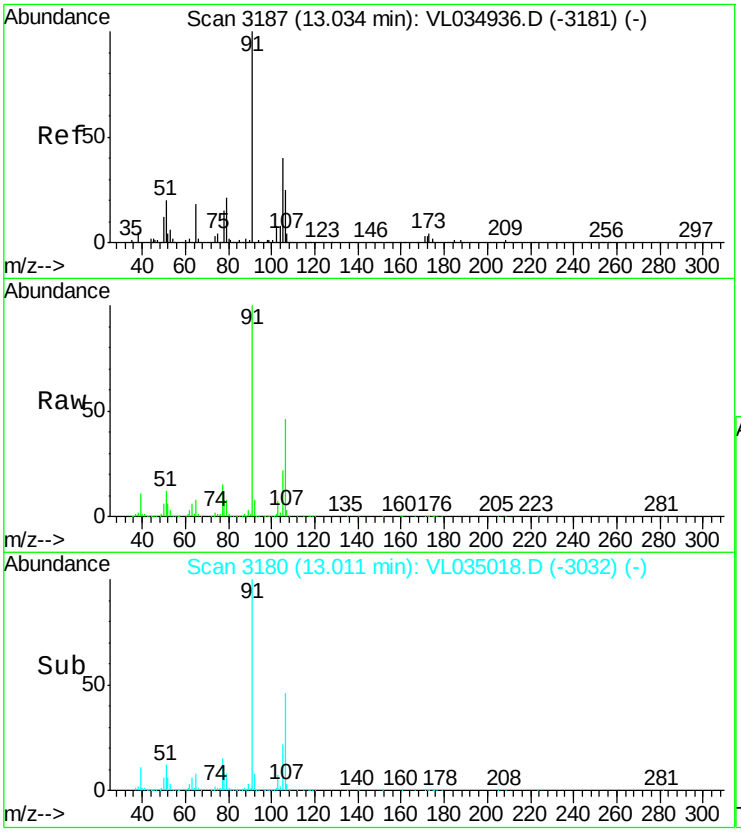


#58
Ethyl Benzene
Concen: 9.720 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 91 Resp: 2906783

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4





#59
m/p-Xylene
Concen: 18.303 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 91 Resp: 4815831

Ion	Ratio	Lower	Upper
91	100		
106	44.8	66.0	99.0#

Instrument :
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ClientSampleId :
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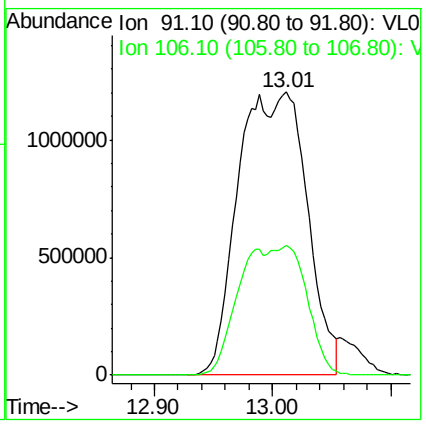
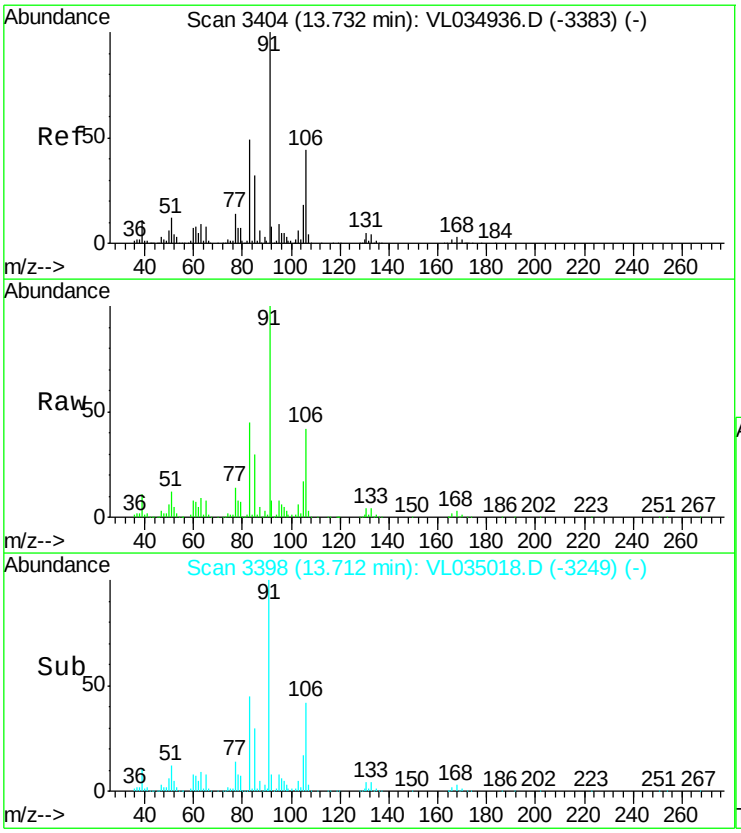
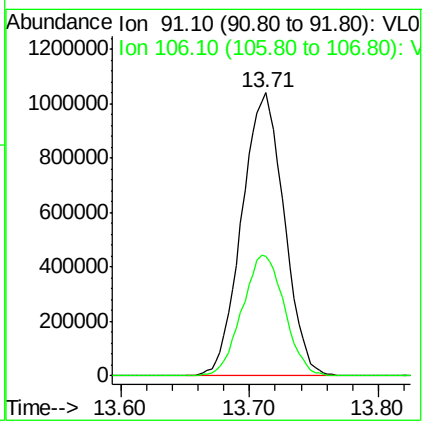


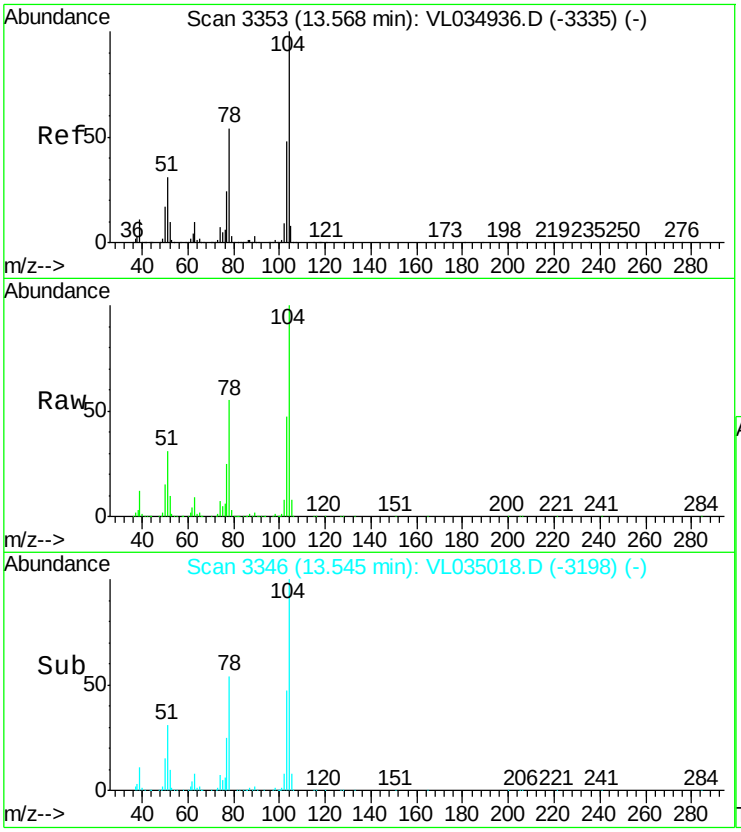


#60
o-Xylene
Concen: 9.159 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 91 Resp: 2377866

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.9	65.5

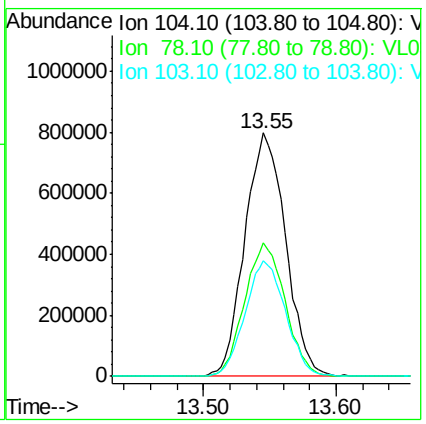




#61
Stvrene
Concen: 10.399 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:104 Resp: 1708691

Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.7	65.5
103	47.0	38.8	58.2



Instrument :
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ClientSampleId :
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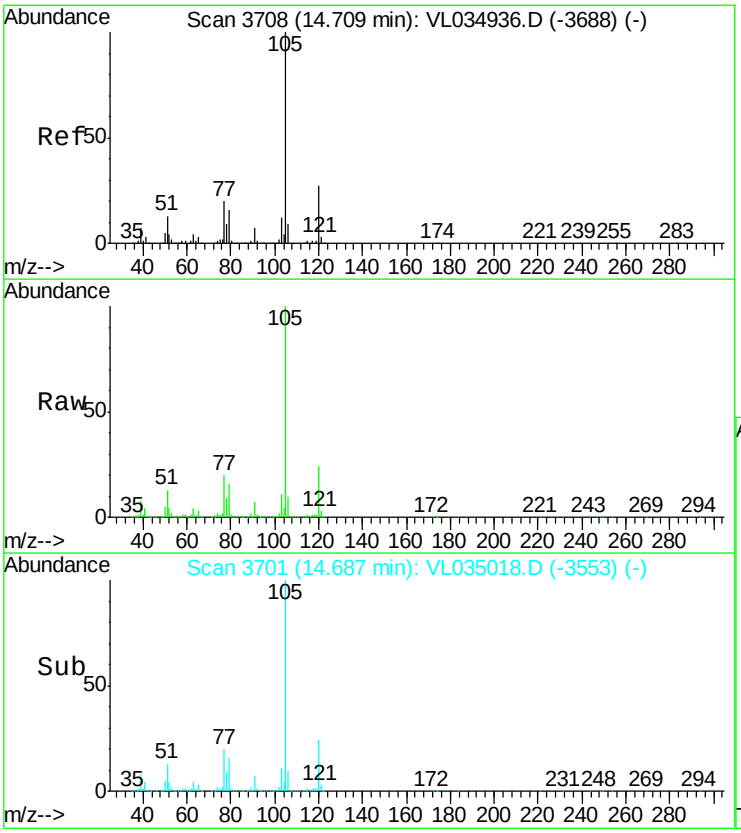
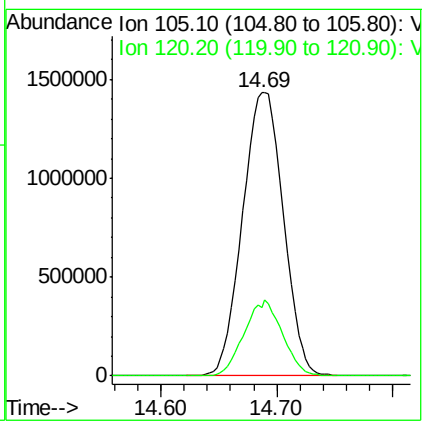
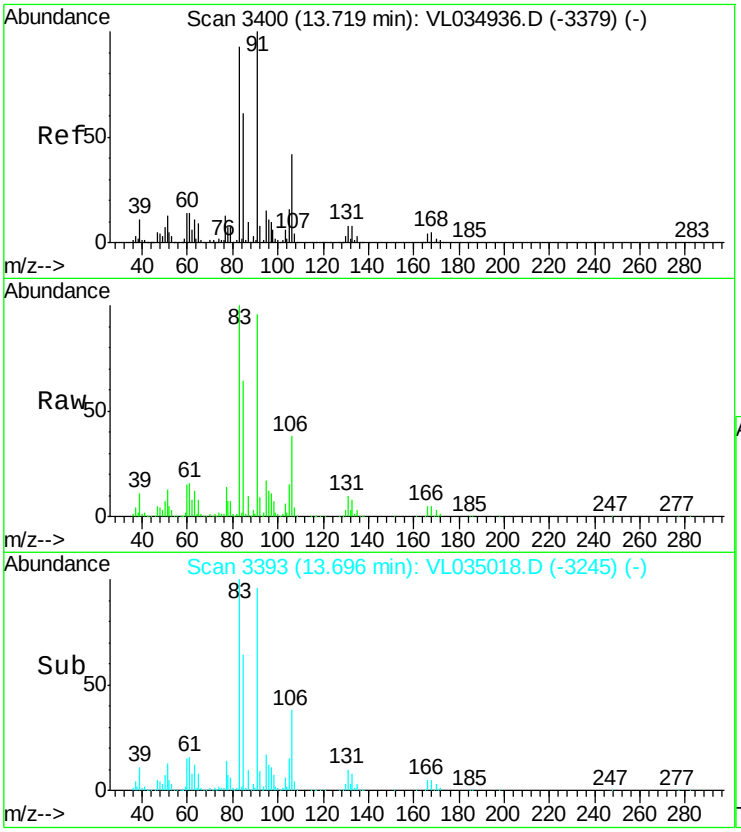


#62
Isopropylbenzene
Concen: 9.075 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:105 Resp: 3517667

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.6	31.0

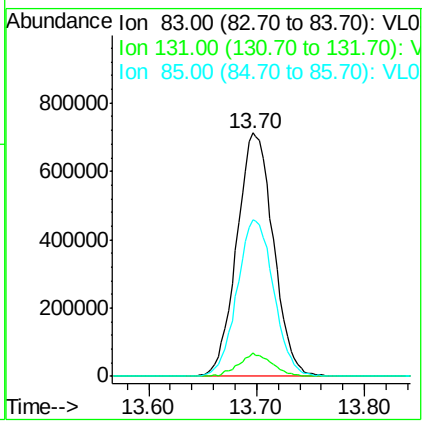




#63
1,1,2,2-Tetrachloroethane
Concen: 8.239 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 83 Resp: 1683948

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.7	14.0
85	64.2	32.5	97.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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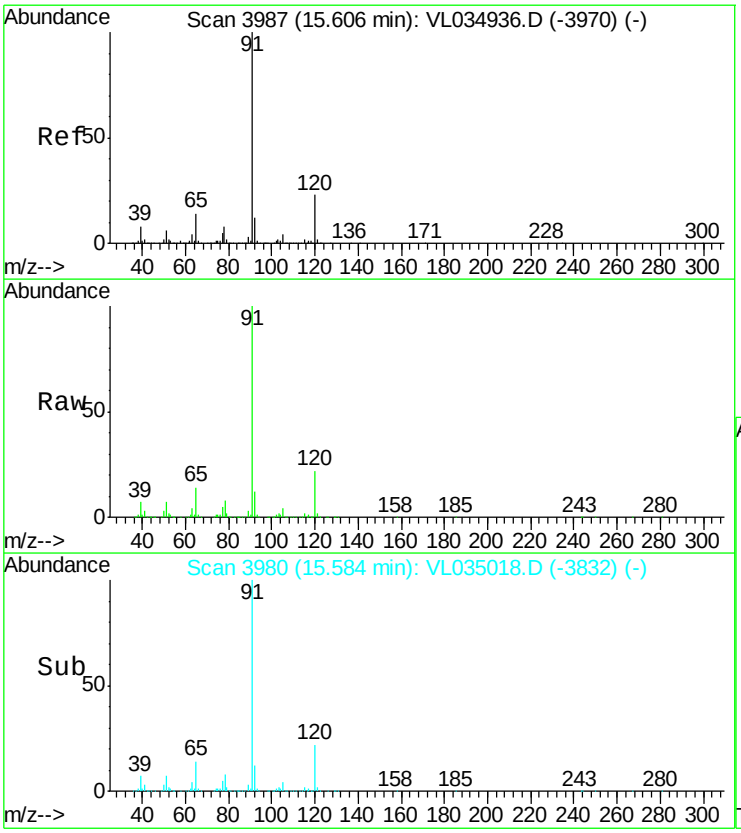
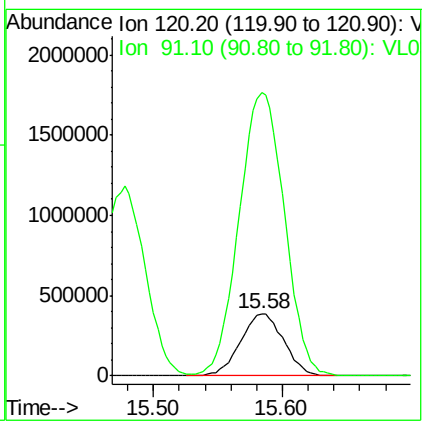
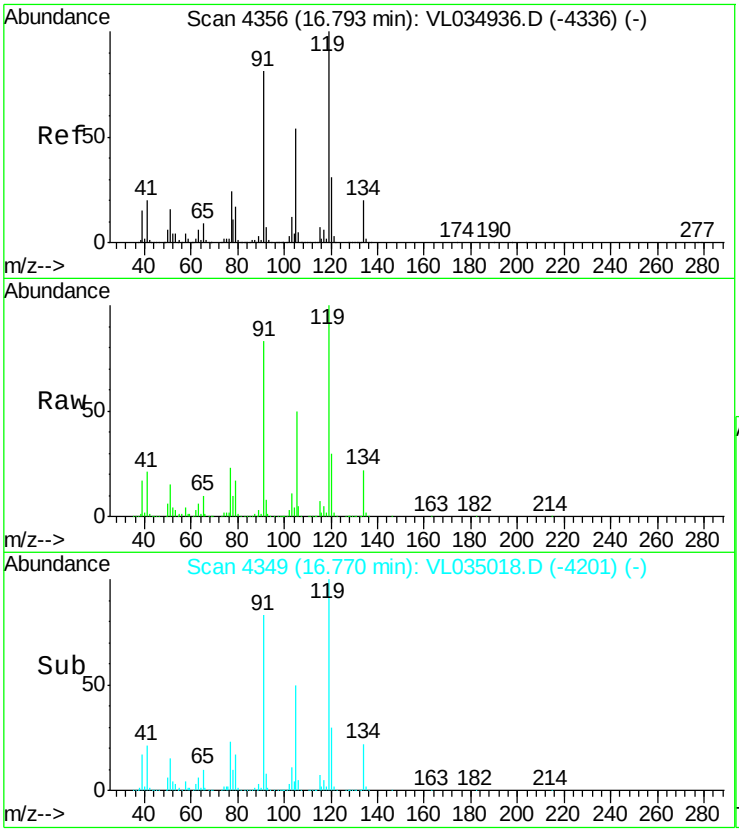


#64
n-propylbenzene
Concen: 9.055 ppbv
RT: 15.58 min Scan# 3980
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:120 Resp: 900319

Ion	Ratio	Lower	Upper
120	100		
91	480.7	373.5	560.3

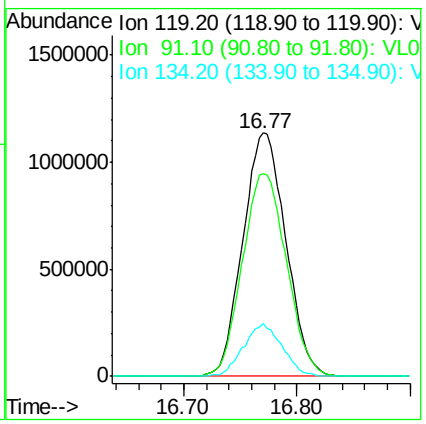




#65
tert-Butylbenzene
Concen: 8.922 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:119 Resp: 2999660

Ion	Ratio	Lower	Upper
119	100		
91	85.7	67.5	101.3
134	19.6	16.1	24.1



Instrument :
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ClientSampleId :
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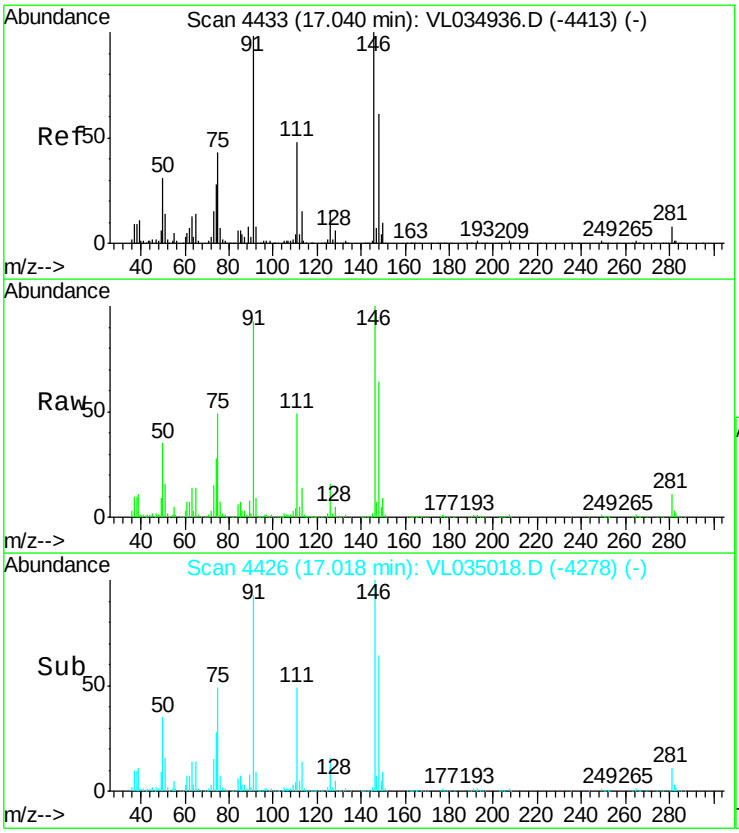
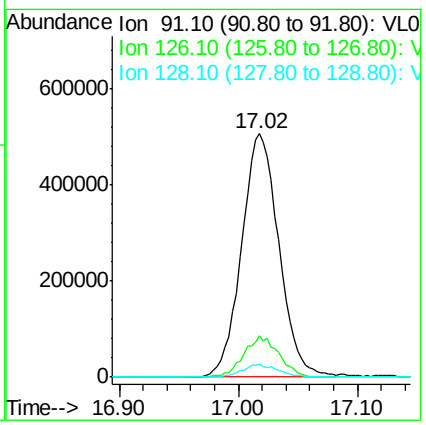
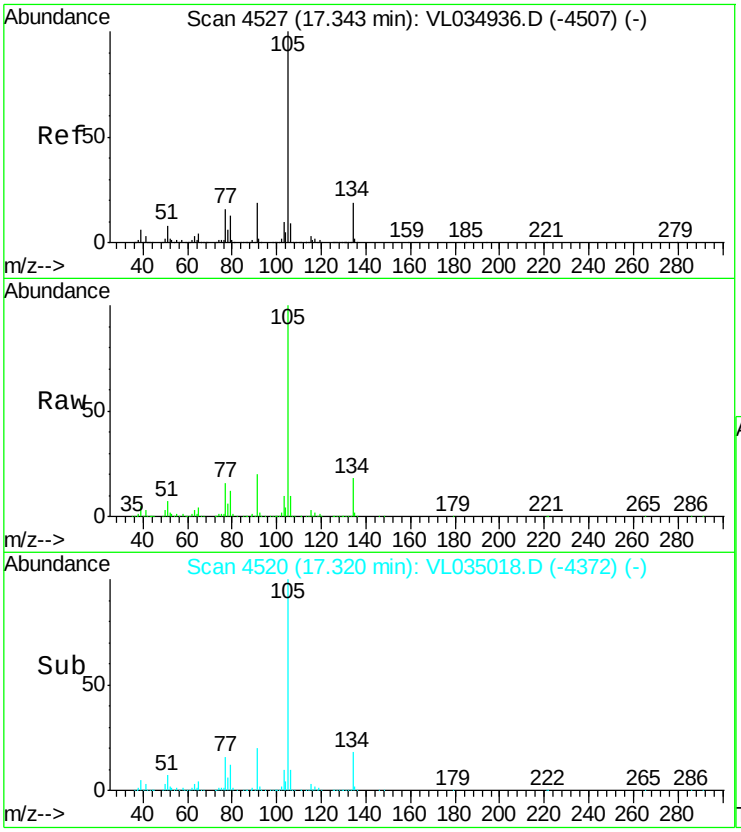


#66
Benzyl Chloride
Concen: 9.597 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 91 Resp: 1095401

Ion	Ratio	Lower	Upper
91	100		
126	16.1	13.8	20.6
128	5.0	4.3	6.5

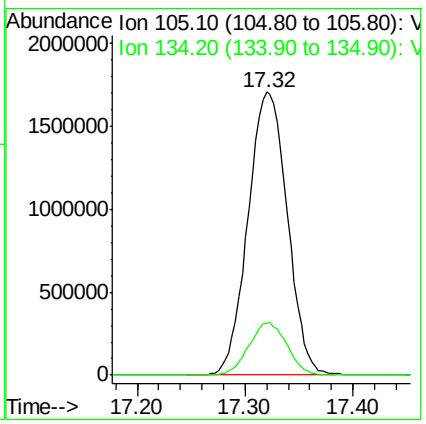




#67
sec-Butylbenzene
Concen: 8.989 ppbv
RT: 17.32 min Scan# 4520
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:105 Resp: 4313974

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.8	22.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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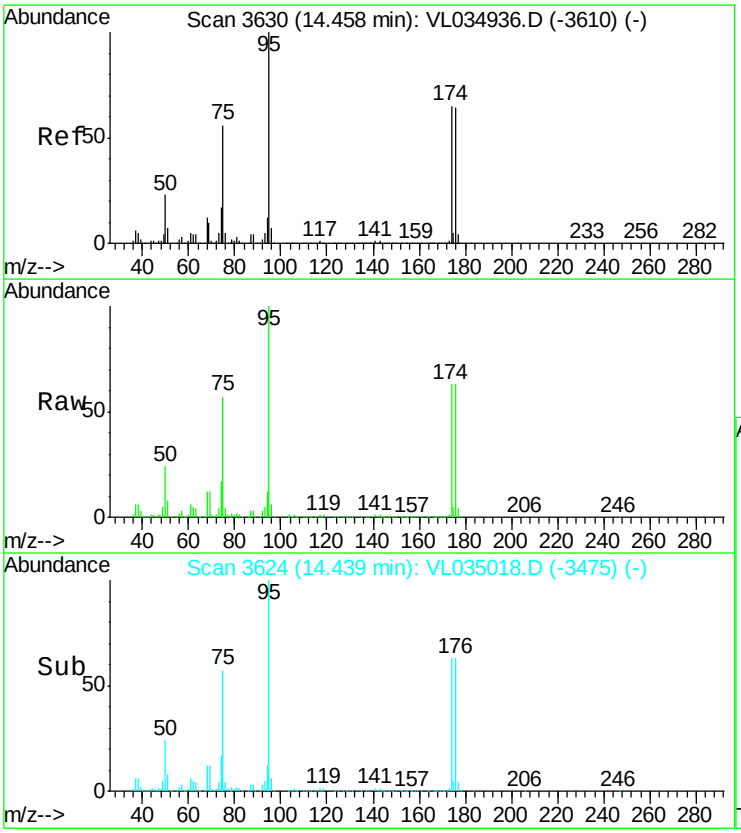
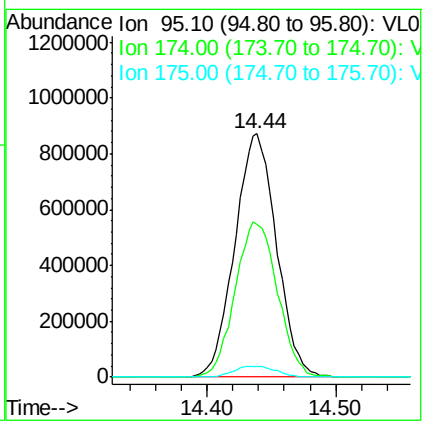
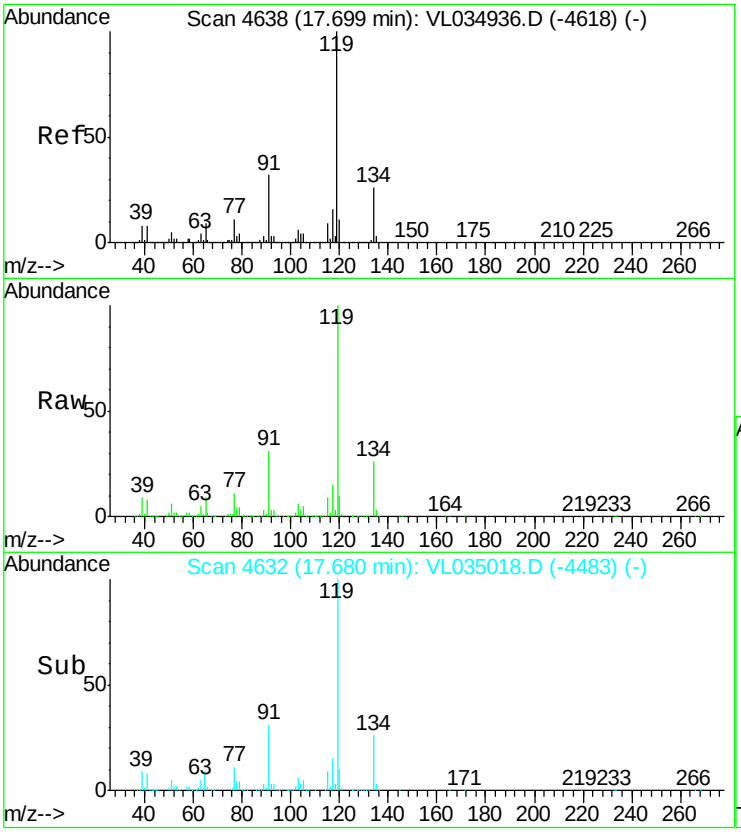


#68
1-Bromo-4-Fluorobenzene
Concen: 9.987 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 95 Resp: 1955049

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.5	77.3
175	4.7	3.8	5.8

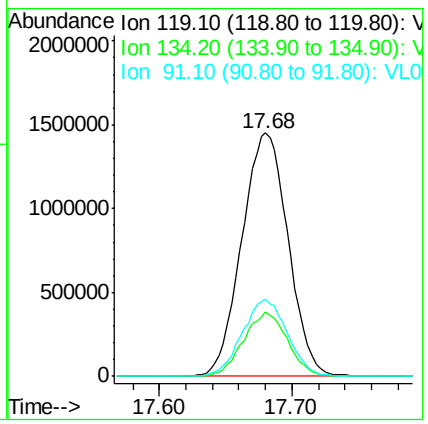




#69
p-Isopropyltoluene
Concen: 9.071 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:119 Resp: 3521969

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	30.9	24.6	36.8



Instrument :
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ClientSampleId :
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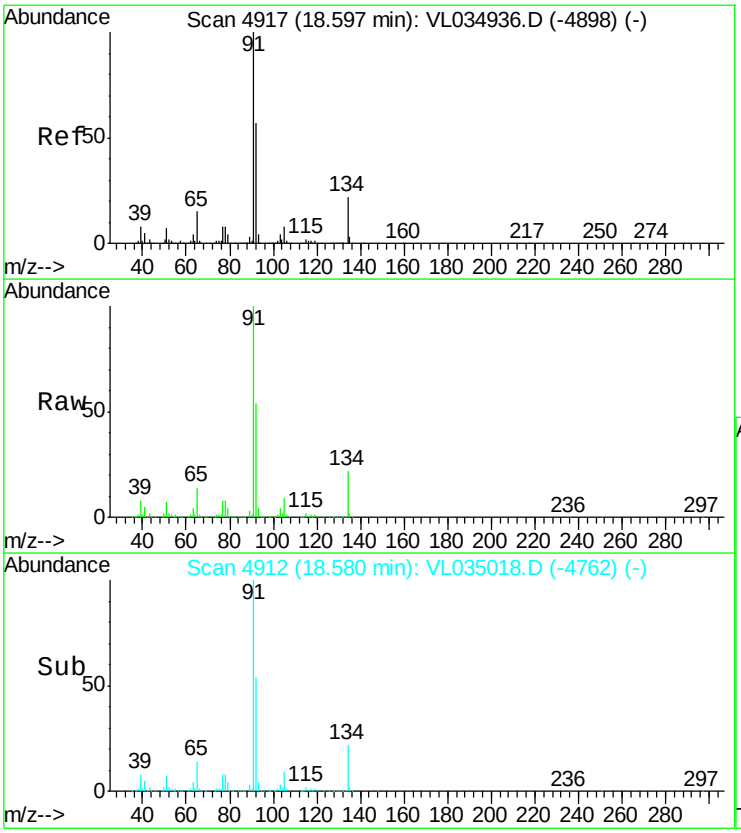
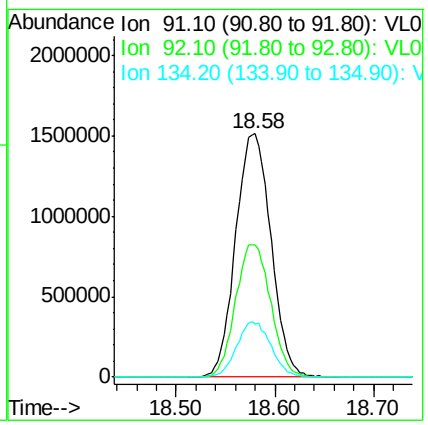
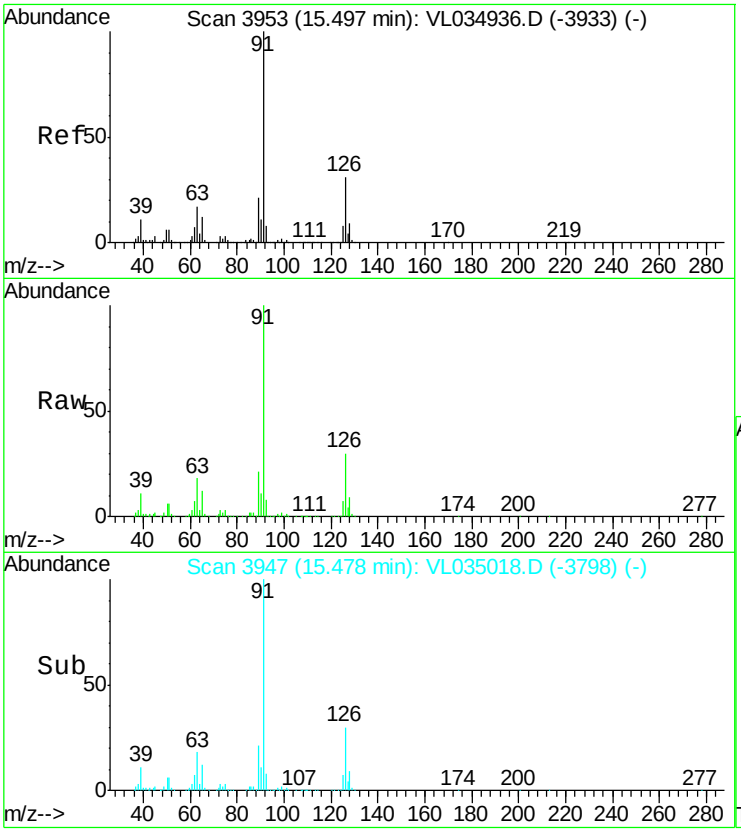


#70
n-Butylbenzene
Concen: 9.100 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 91 Resp: 3760575

Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.4	66.6
134	22.1	18.0	27.0

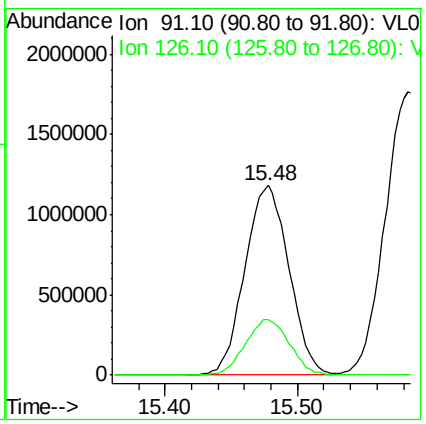




#71
2-Chlorotoluene
Concen: 9.346 ppbv
RT: 15.48 min Scan# 3947
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion: 91 Resp: 2734702

Ion	Ratio	Lower	Upper
91	100		
126	29.4	12.0	47.8



Instrument :
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ClientSampleId :
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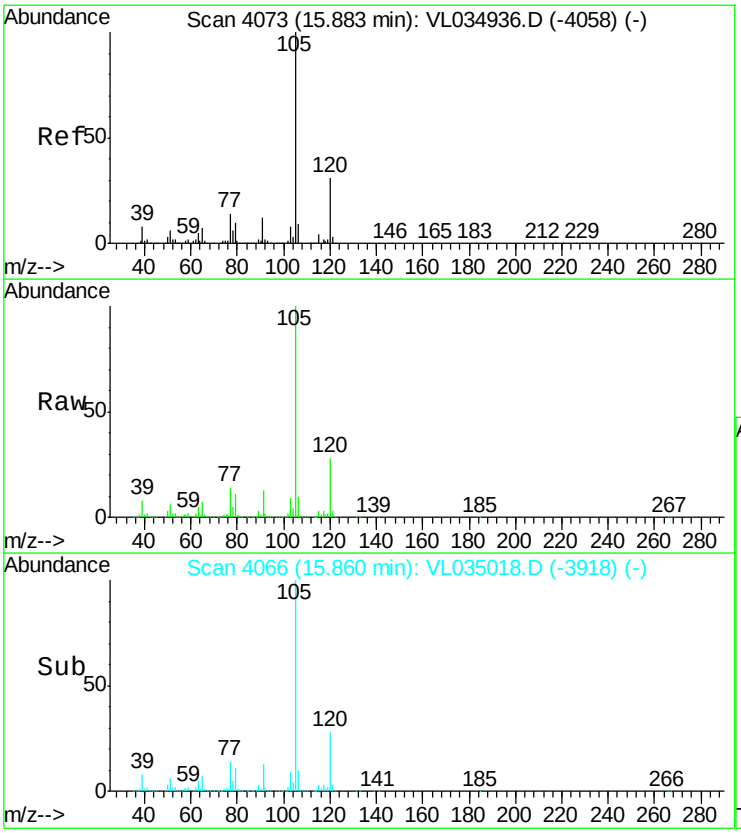
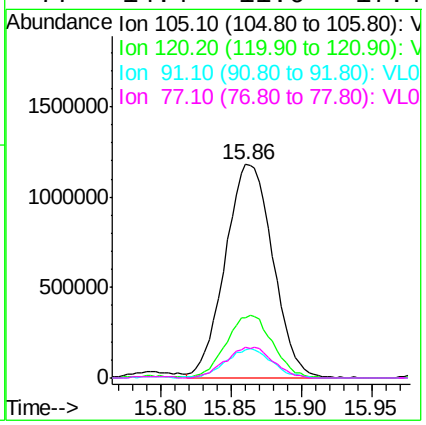
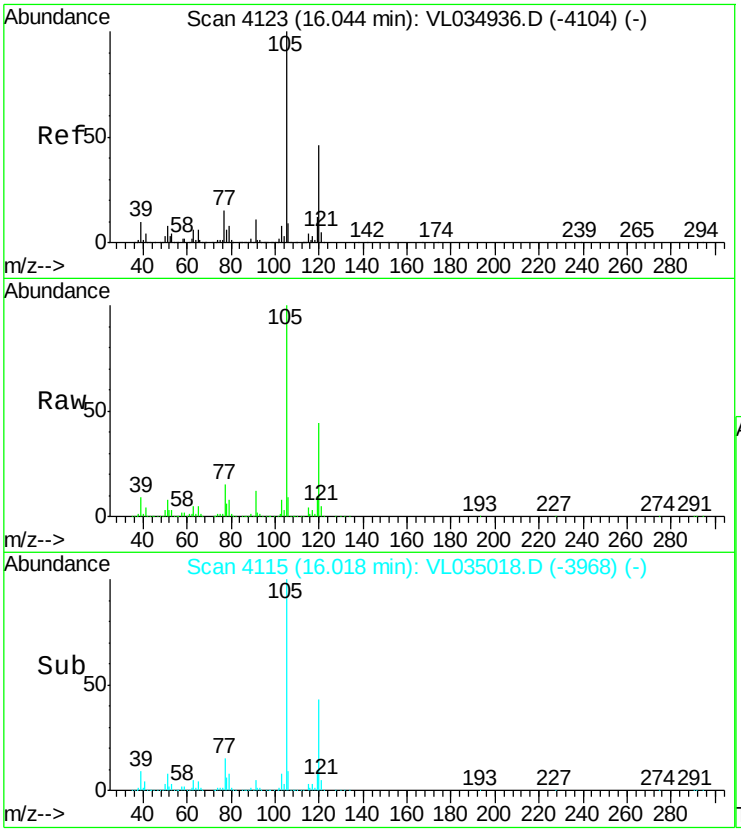


#72
4-Ethyltoluene
Concen: 9.579 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:105 Resp: 2774677

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.8	35.8
91	13.3	10.6	15.8
77	14.4	11.6	17.4

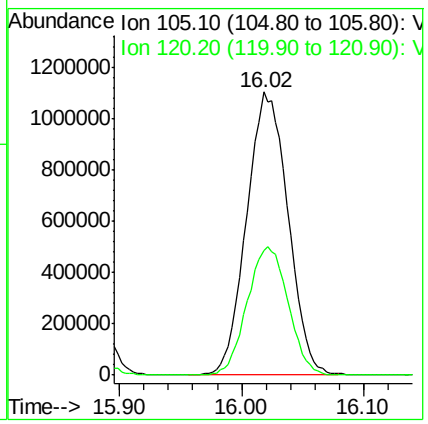




#73
1,3,5-Trimethylbenzene
Concen: 9.152 ppbv
RT: 16.02 min Scan# 4115
Delta R.T. -0.03 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:105 Resp: 2579920

Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.4	54.6



Instrument :
MSVOA_L
ClientSampleId :
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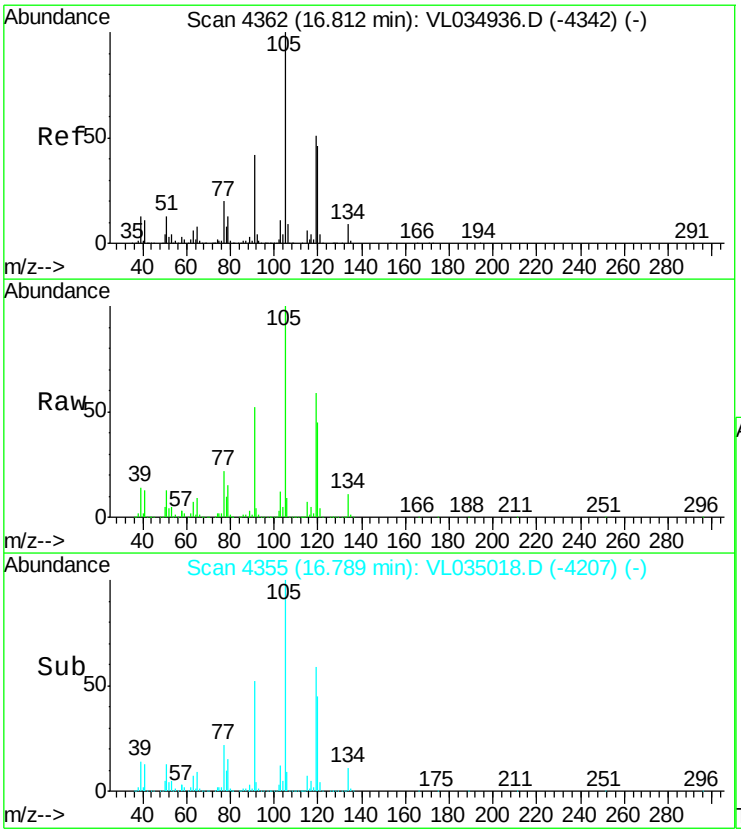
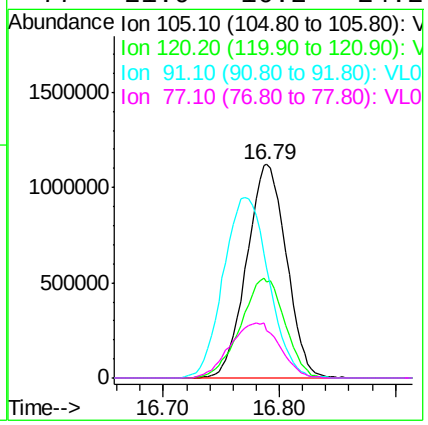
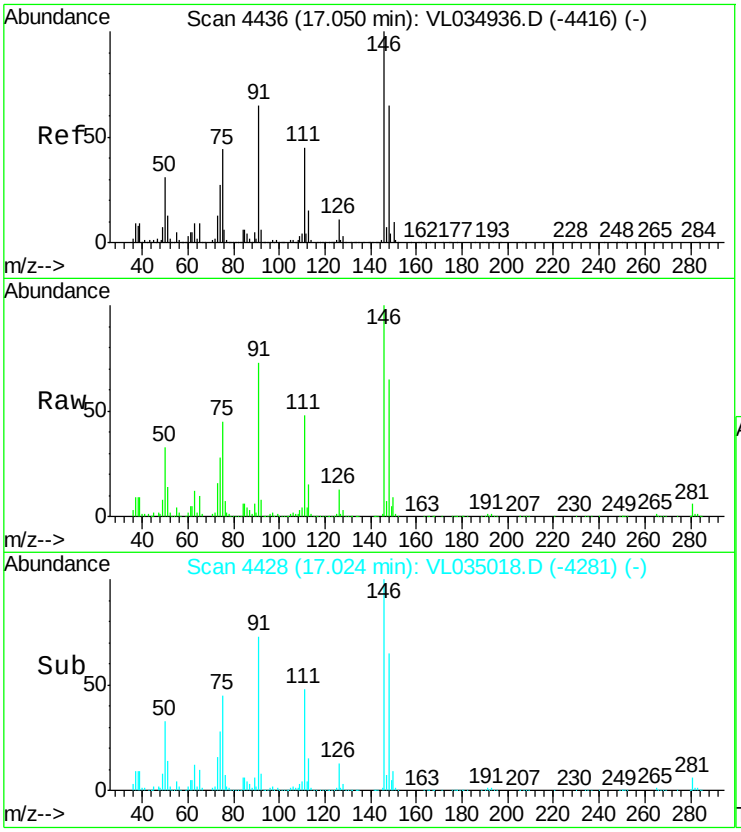


#74
1,2,4-Trimethylbenzene
Concen: 8.677 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:105 Resp: 2669882

Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.8	55.2
91	51.5	35.4	53.0
77	21.9	16.2	24.2

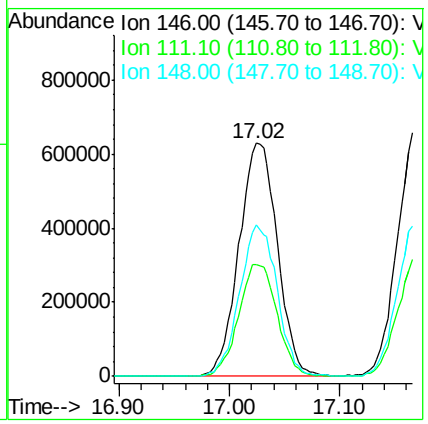




#75
1,3-Dichlorobenzene
Concen: 8.416 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.03 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:146 Resp: 1520631

Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.0	72.0
148	63.6	32.6	97.7



Instrument :
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ClientSampleId :
VSTDCCC010

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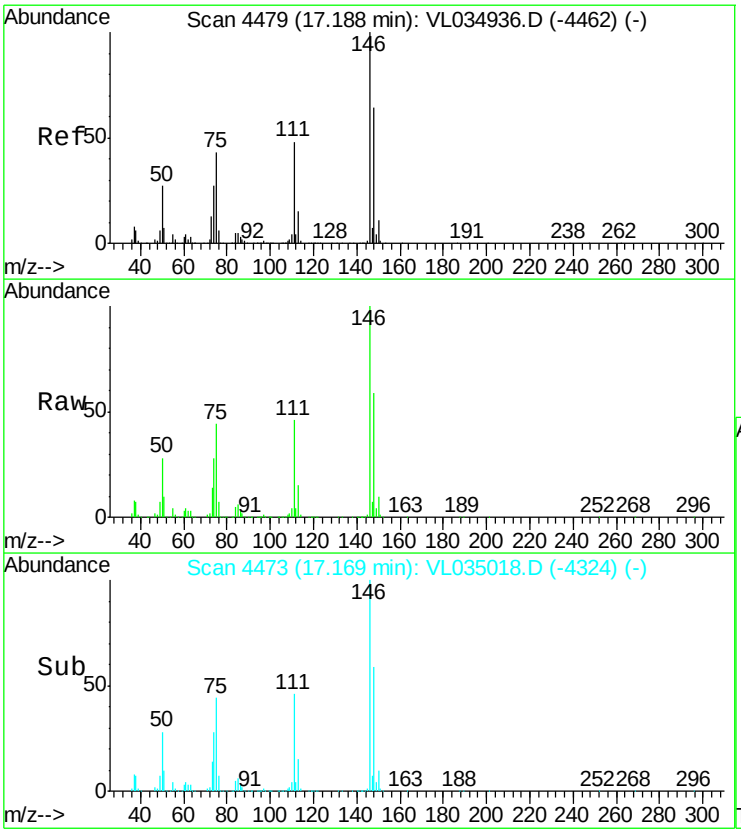
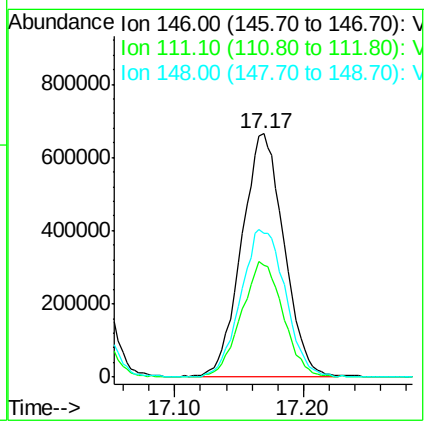
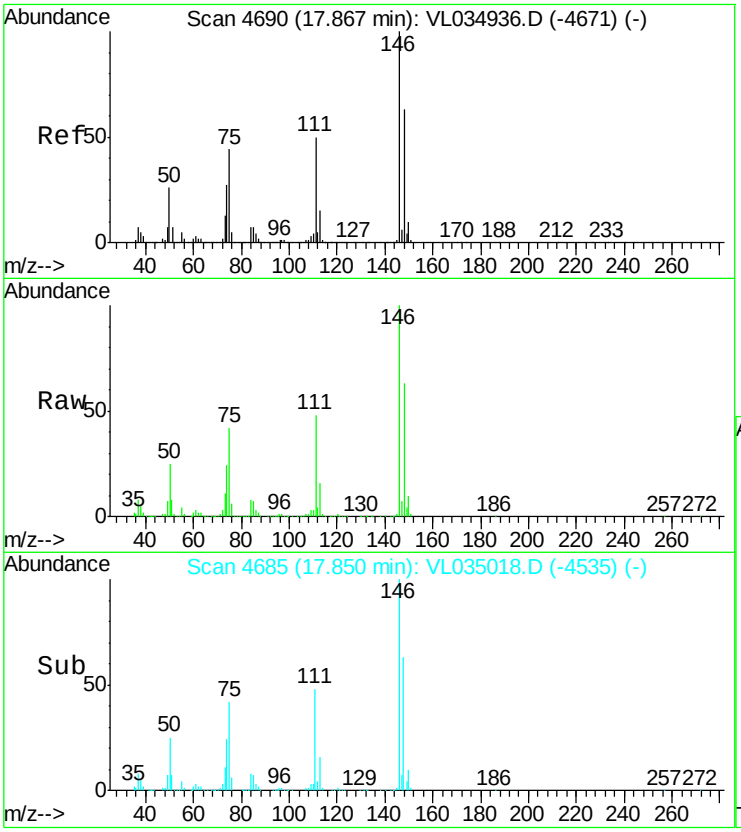


#76
1,4-Dichlorobenzene
Concen: 8.756 ppbv
RT: 17.17 min Scan# 4473
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:146 Resp: 1503125

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.7	71.1
148	64.6	32.6	97.8

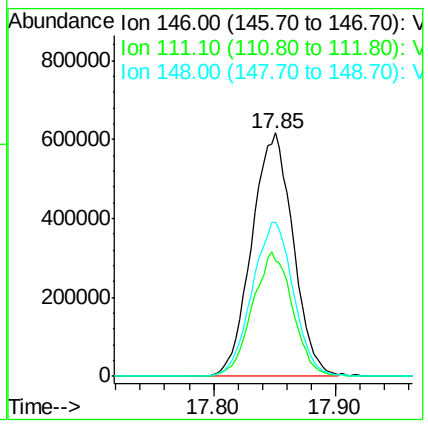




#77
1,2-Dichlorobenzene
Concen: 8.477 ppbv
RT: 17.85 min Scan# 4685
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:146 Resp: 1443167

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.5	73.5
148	63.7	31.7	95.1



Instrument :
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ClientSampleId :
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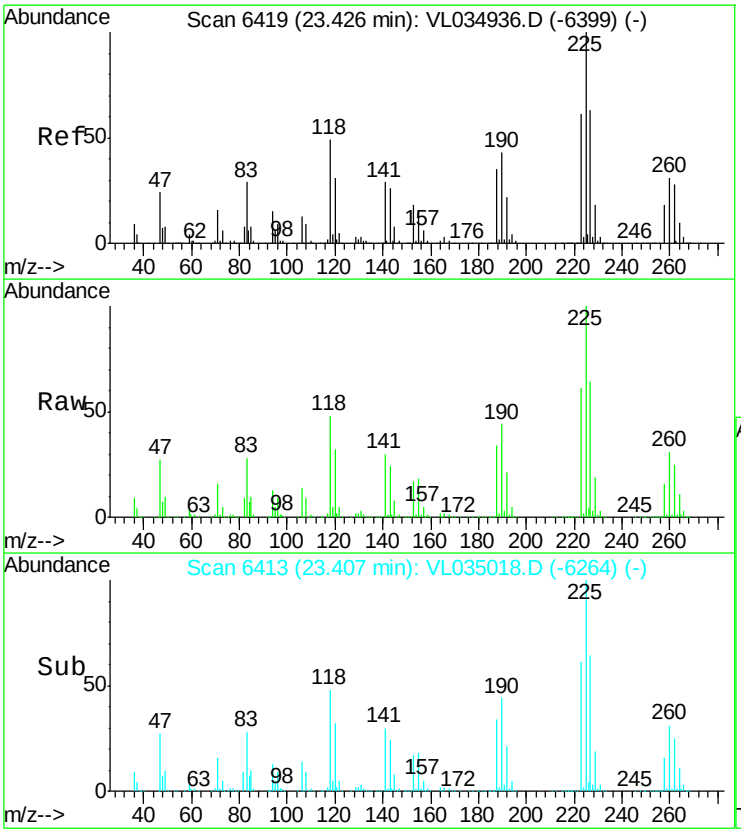
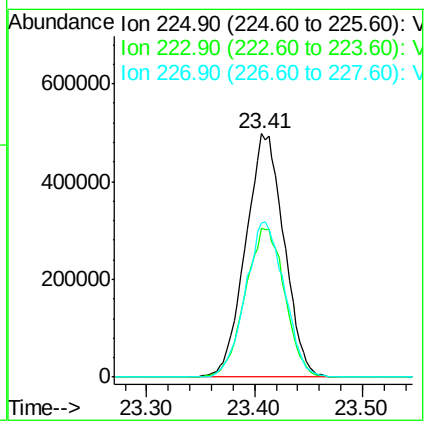
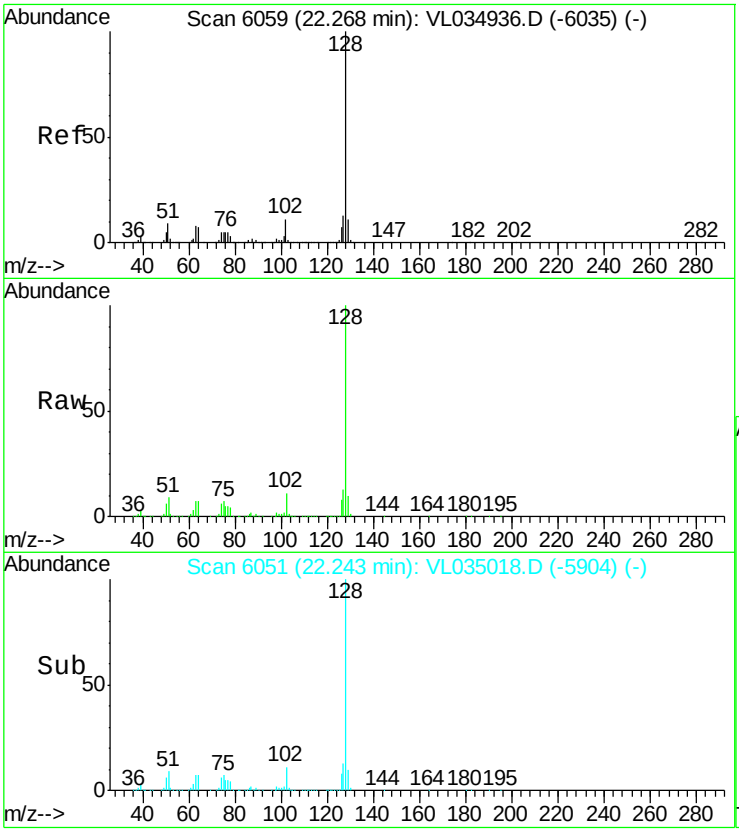


#78
Hexachloro-1,3-Butadiene
Concen: 8.474 ppbv
RT: 23.41 min Scan# 6413
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:225 Resp: 1229697

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.8
227	64.6	51.8	77.6

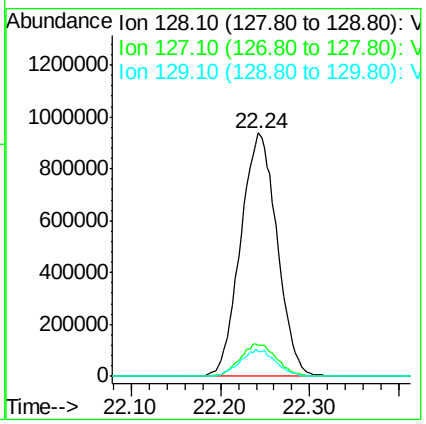




#79
Naphthalene
Concen: 11.122 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.03 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:128 Resp: 2664949

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.1	9.0	13.4



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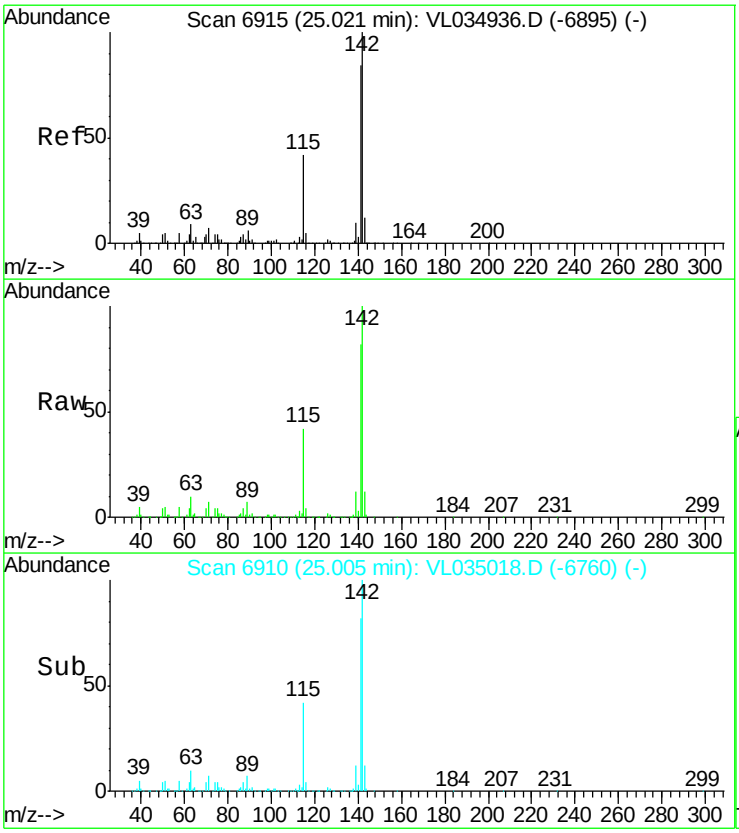
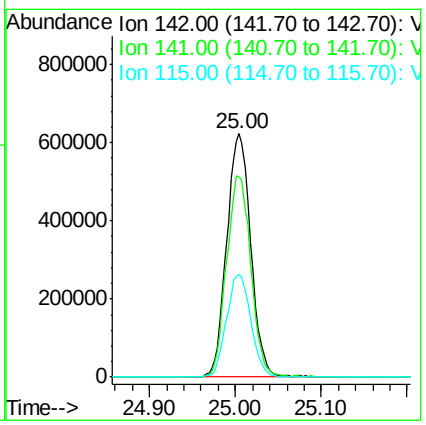
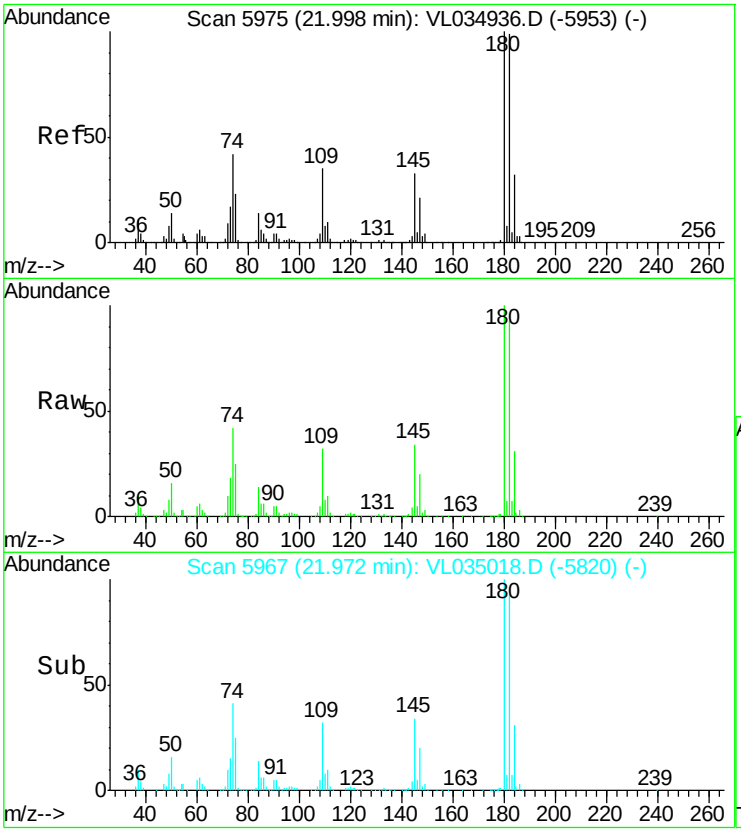


#80
Naphthalene,2-methyl-
Concen: 20.522 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. -0.02 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:142 Resp: 1208737

Ion	Ratio	Lower	Upper
142	100		
141	83.5	68.6	102.8
115	42.8	33.9	50.9

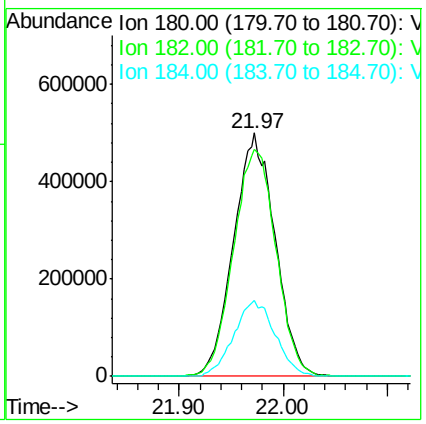




#81
1,2,4-Trichlorobenzene
Concen: 9.519 ppbv m
RT: 21.97 min Scan# 5967
Delta R.T. -0.03 min
Lab File: VL035018.D
Acq: 14 May 2020 12:18

Tgt Ion:180 Resp: 1383106

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.5	116.3
184	31.1	24.8	37.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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