Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091219\

Quantitation Report (Not Reviewed)

Data File : VL034162.D
Acq On : 12 Sep 2019 17:49
Operator : SY/AP
Sample : VL0912ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Quant Time: Sep 13 01:47:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1252600	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2231974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2835740	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.51	95	1916339	8.27	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1486022	7.192	ppbv	97
3) Chlorodifluoromethane	2.97	51	1456608	10.432	ppbv	99
4) Chloromethane	3.13	50	800548	9.171	ppbv	94
5) Vinyl Chloride	3.25	62	724217	9.108	ppbv	99
6) Bromomethane	3.47	94	363293	9.258	ppbv	99
7) Chloroethane	3.55	64	258281	9.534	ppbv	89
8) Dichlorotetrafluoroethane	3.18	85	1487861	8.947	ppbv	99
9) Propene	3.00	41	700074	8.961	ppbv	99
10) Heptane	8.18	43	1851229	9.131	ppbv	99
11) Trichlorofluoromethane	3.95	101	1561025	9.265	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1050159	9.316	ppbv	98
13) Ethanol	3.60	45	173252	11.321	ppbv	98
14) Bromoethene	3.74	108	434490	8.903	ppbv	99
15) Acetone	3.85	43	1327113	8.791	ppbv	99
16) 1,3-Butadiene	3.32	39	719091	9.406	ppbv	97
17) tert-Butyl alcohol	4.30	59	1178269	10.751	ppbv	99
18) 1,1-Dichloroethene	4.30	96	475293	9.229	ppbv	98
19) Isopropyl Alcohol	3.97	45	1101088	10.806	ppbv	100
20) Methylene Chloride	4.35	84	432389	8.663	ppbv	96
21) Allyl Chloride	4.42	41	912339	9.167	ppbv	100
22) trans-1,2-Dichloroethene	4.91	96	464456	9.010	ppbv	90
23) Vinyl Acetate	5.10	43	2383101	9.305	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1558779	9.170	ppbv	98
25) Ethyl Acetate	5.71	43	2809155	8.477	ppbv	100
26) Hexane	5.72	57	1248521	8.474	ppbv	97
27) Carbon Disulfide	4.56	76	1237783	9.309	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1933190	8.955	ppbv	99
29) Chloroform	5.79	83	1810321	9.110	ppbv	97
30) Cyclohexane	7.18	84	962883	9.040	ppbv	96
31) cis-1,2-Dichloroethene	5.58	61	1313541	9.310	ppbv	95
32) 1,1,1-Trichloroethane	6.56	97	1701128	9.061	ppbv	97
34) 2-Butanone	5.27	43	2038259	9.499	ppbv	98
35) Carbon Tetrachloride	7.07	117	1667507	9.583	ppbv	98
36) Benzene	6.94	78	2329315	9.130	ppbv	98
37) 1,2-Dichloroethane	6.35	62	1565871	10.005	ppbv	99
38) Trichloroethene	7.90	130	773237	8.122	ppbv	93
39) 1,2-Dichloropropane	7.67	63	1041590	9.540	ppbv	96
40) 1,4-Dioxane	7.89	88	357884	8.920	ppbv #	99
41) Tetrahydrofuran	6.09	42	1235882	9.607	ppbv	98
42) Bromodichloromethane	7.85	83	1992020	9.766	ppbv	100
43) Methyl Methacrylate	8.07	69	1029576	9.796	ppbv	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091219\

Quantitation Report (Not Reviewed)

Data File : VL034162.D
Acq On : 12 Sep 2019 17:49
Operator : SY/AP
Sample : VL0912ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Quant Time: Sep 13 01:47:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	4215967	8.963	ppbv		99
45) t-1,3-Dichloropropene	9.35	75	1226343	9.928	ppbv		99
46) cis-1,3-Dichloropropene	8.77	75	1432304	9.531	ppbv		99
47) 1,1,2-Trichloroethane	9.55	97	929873	9.348	ppbv		95
48) Dibromochloromethane	10.38	129	1496238	10.081	ppbv		97
49) Bromoform	13.13	173	1249772	9.604	ppbv		99
50) 4-Methyl-2-Pentanone	8.80	43	2995993	9.150	ppbv		99
51) 2-Hexanone	10.20	43	2579408	9.119	ppbv	#	98
52) Tetrachloroethene	11.30	164	361950	4.023	ppbv		93
53) Toluene	9.88	91	2581834	9.150	ppbv		99
54) 1,2-Dibromoethane	10.69	107	1424924	9.616	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.21	131	992078	8.157	ppbv	#	59
57) Chlorobenzene	12.23	112	1830304	7.503	ppbv		100
58) Ethyl Benzene	12.79	91	3492793	7.511	ppbv		100
59) m/p-Xylene	13.08	91	3084867	8.133	ppbv	#	43
60) o-Xylene	13.78	91	2845334	7.531	ppbv		99
61) Styrene	13.62	104	2111141	7.470	ppbv		98
62) Isopropylbenzene	14.75	105	3700034	7.527	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.77	83	2117581	6.878	ppbv		100
64) n-propylbenzene	15.65	120	976519	7.930	ppbv		97
65) tert-Butylbenzene	16.84	119	3137297	7.395	ppbv		98
66) Benzyl Chloride	17.09	91	1237479	7.912	ppbv		98
67) sec-Butylbenzene	17.39	105	4584957	7.516	ppbv		99
69) p-Isopropyltoluene	17.74	119	3712039	7.605	ppbv		99
70) n-Butylbenzene	18.64	91	2287809	4.119	ppbv	#	32
71) 2-Chlorotoluene	15.55	91	3084591	7.681	ppbv		100
72) 4-Ethyltoluene	15.93	105	3250088	7.624	ppbv		99
73) 1,3,5-Trimethylbenzene	16.09	105	3142459	7.585	ppbv		100
74) 1,2,4-Trimethylbenzene	16.86	105	3116131	7.304	ppbv		96
75) 1,3-Dichlorobenzene	17.09	146	1685421	7.456	ppbv		99
76) 1,4-Dichlorobenzene	17.23	146	1744770	7.365	ppbv		100
77) 1,2-Dichlorobenzene	17.91	146	985508	4.259	ppbv	#	28
78) Hexachloro-1,3-Butadiene	23.47	225	1121754	7.105	ppbv		99
79) Naphthalene	22.32	128	2987772	7.747	ppbv		98
80) Naphthalene,2-methyl-	25.05	142	555823	4.152	ppbv		99
81) 1,2,4-Trichlorobenzene	22.05	180	1506652	7.180	ppbv		100

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

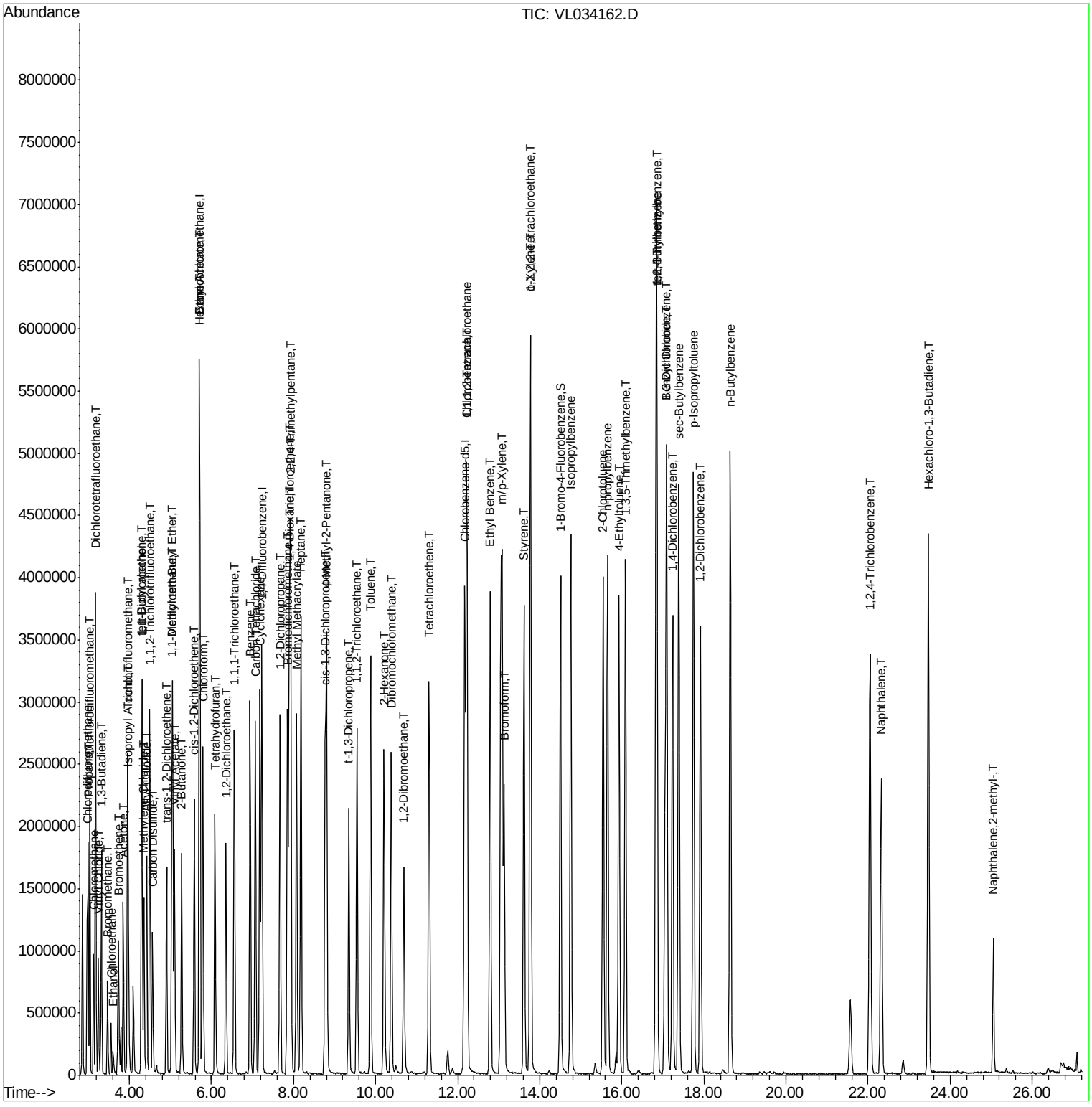
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091219\

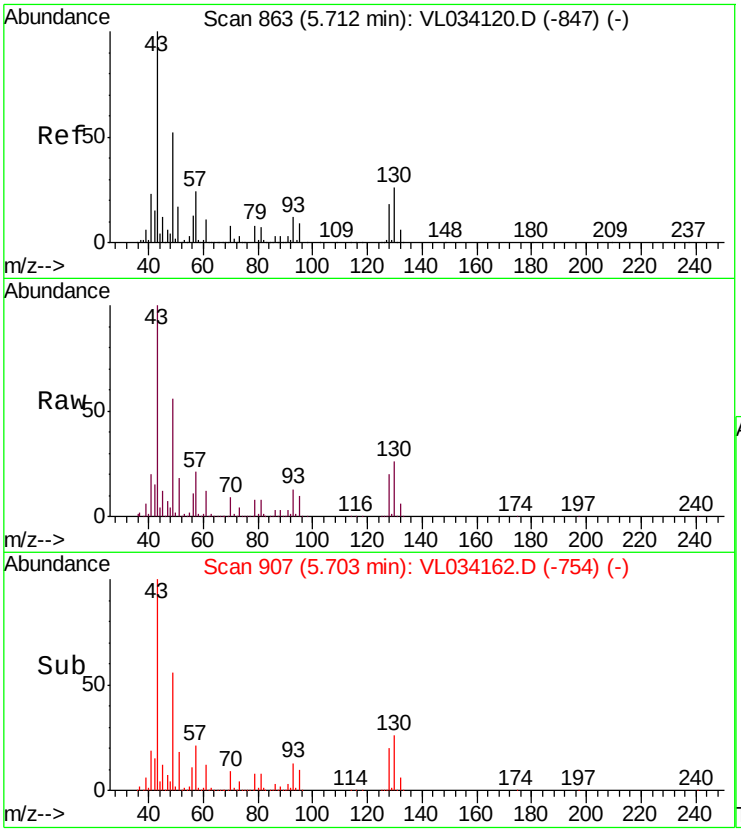
Quantitation Report (Not Reviewed)

Data File : VL034162.D
Acq On : 12 Sep 2019 17:49
Operator : SY/AP
Sample : VL0912ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Quant Time: Sep 13 01:47:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration



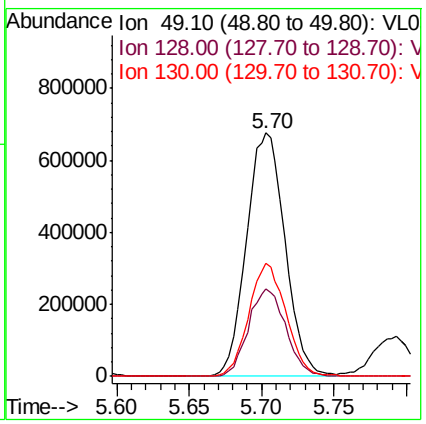


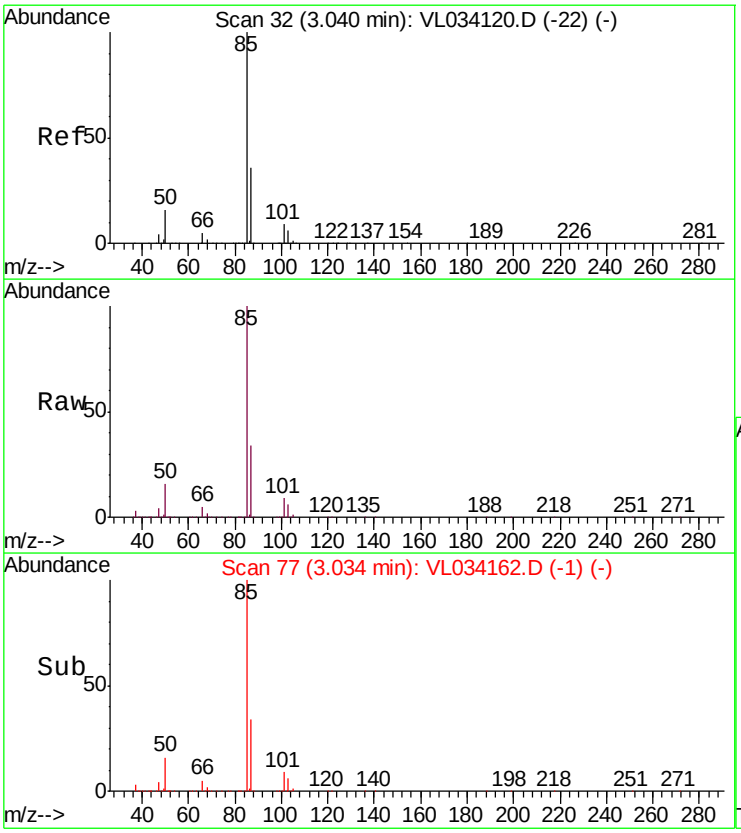
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 49 Resp: 1252600

Ion	Ratio	Lower	Upper
49	100		
128	35.0	18.4	55.0
130	44.8	23.5	70.6

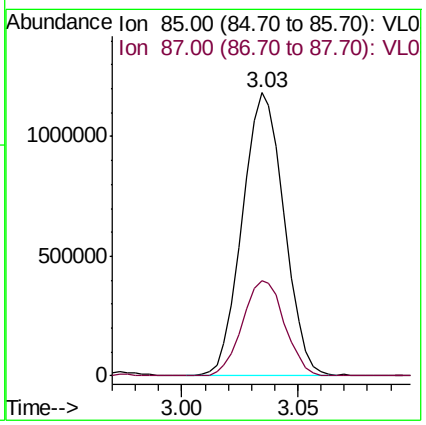


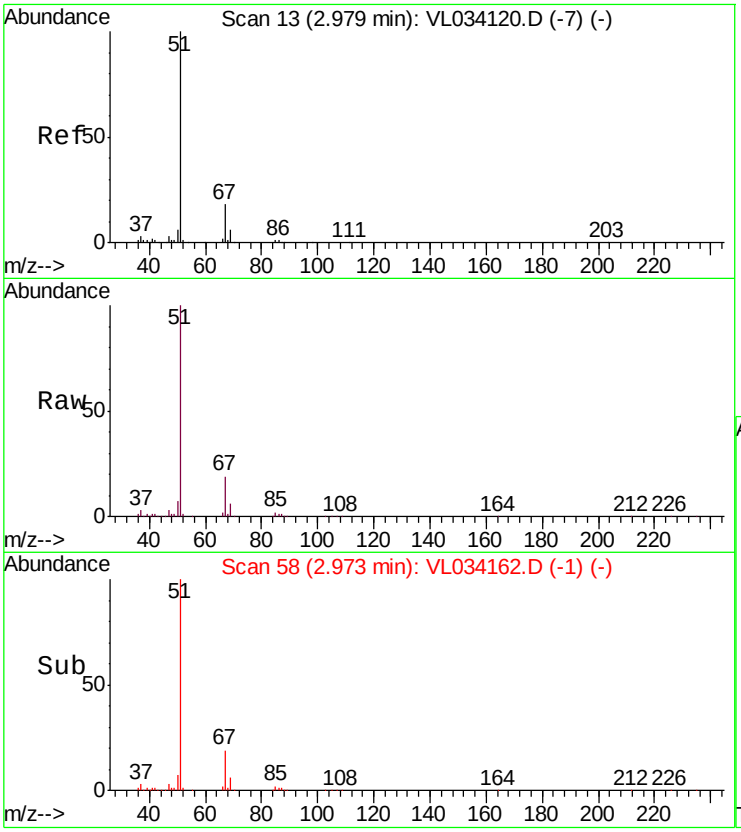


#2
Dichlorodifluoromethane
Concen: 7.192 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 85 Resp: 1486022

Ion	Ratio	Lower	Upper
85	100		
87	33.8	28.6	43.0



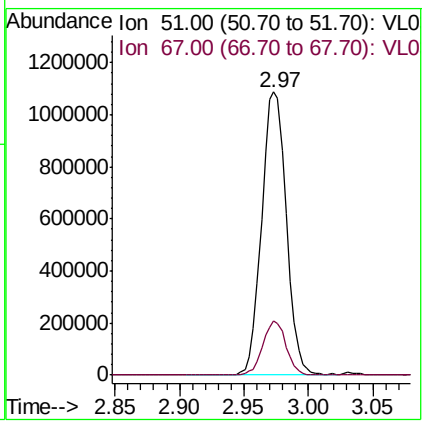


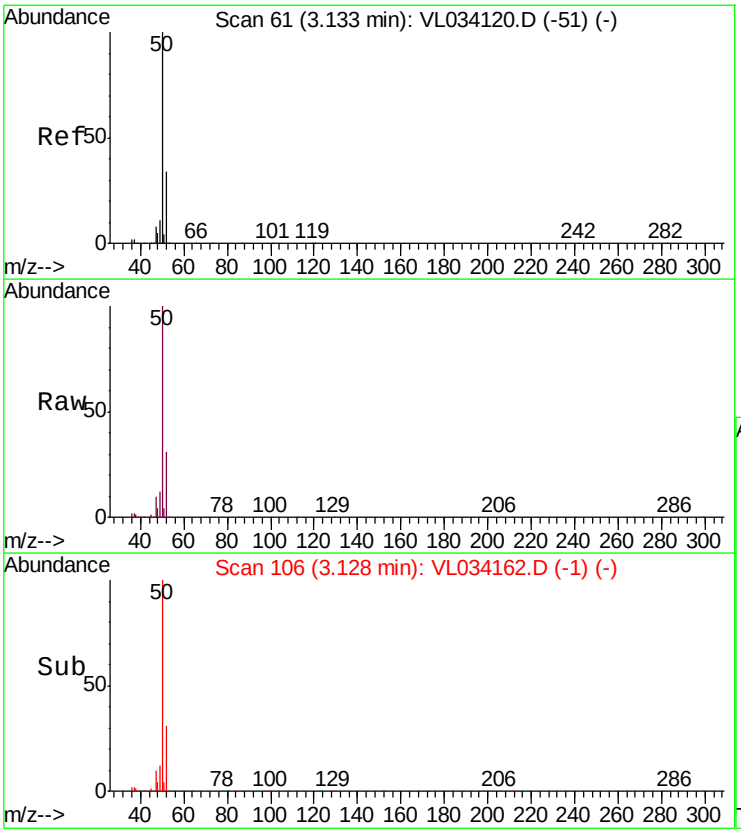
#3
Chlorodifluoromethane
Concen: 10.432 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 51 Resp: 1456608

Ion	Ratio	Lower	Upper
51	100		
67	18.1	14.2	21.4

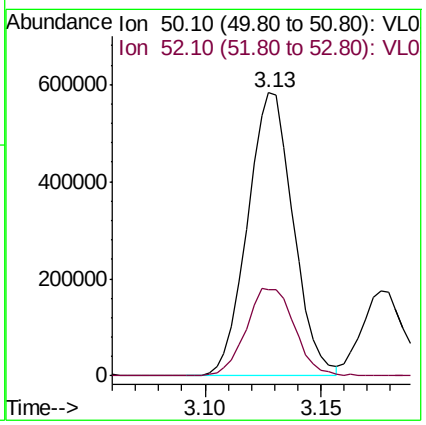


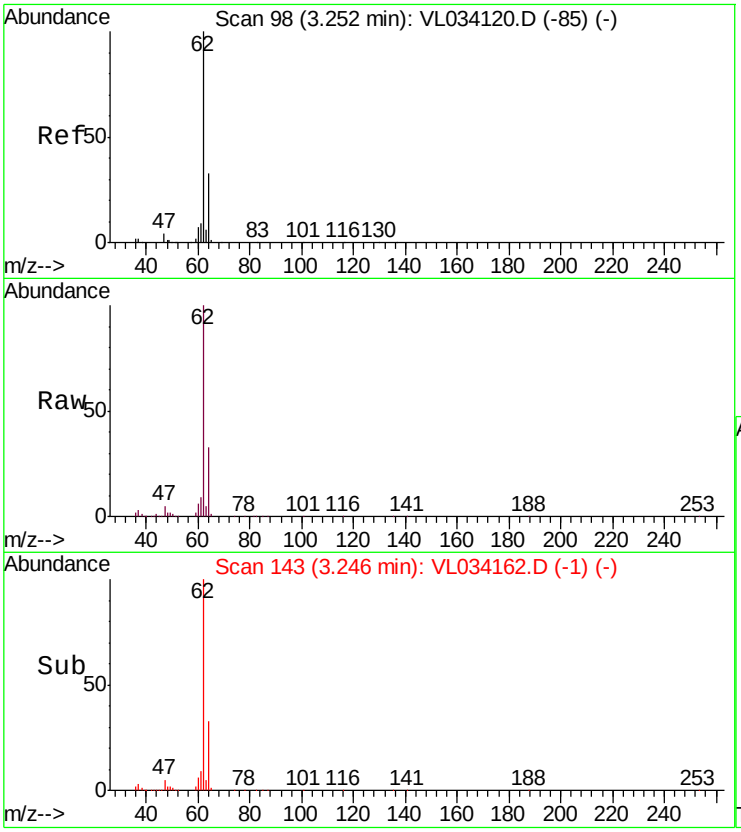


#4
Chloromethane
Concen: 9.171 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 50 Resp: 800548

Ion	Ratio	Lower	Upper
50	100		
52	30.6	27.4	41.2



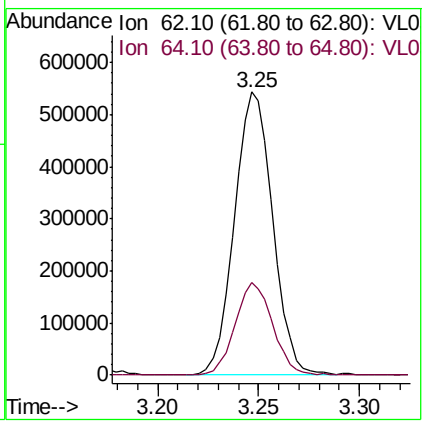


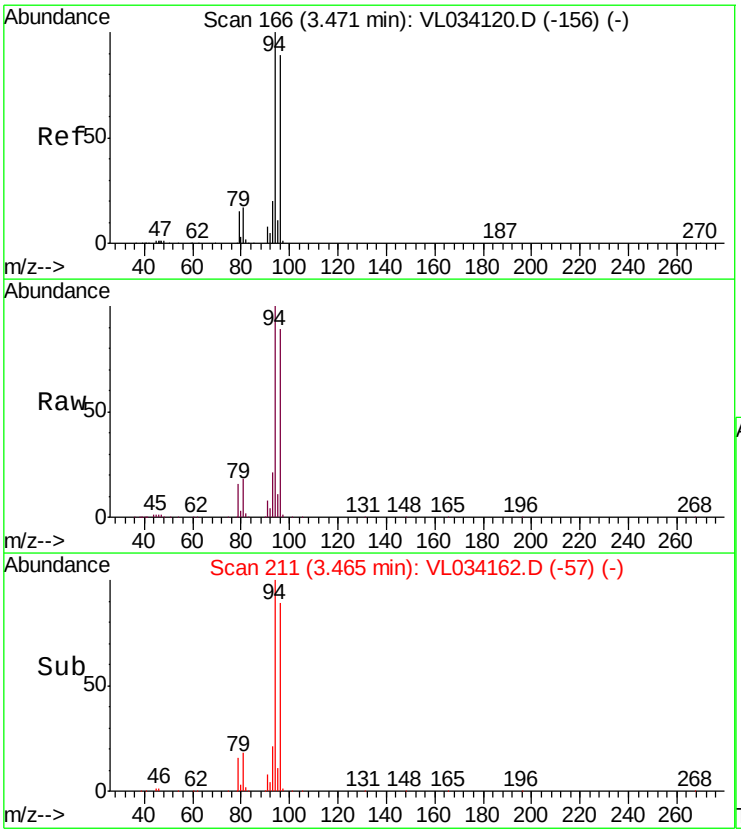
#5
Vinyl Chloride
Concen: 9.108 ppbv
RT: 3.25 min Scan# 143
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 62 Resp: 724217

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.6	39.8

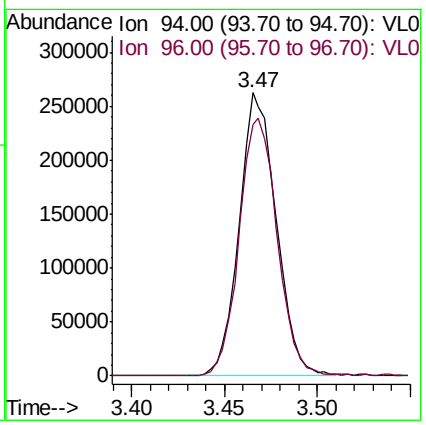


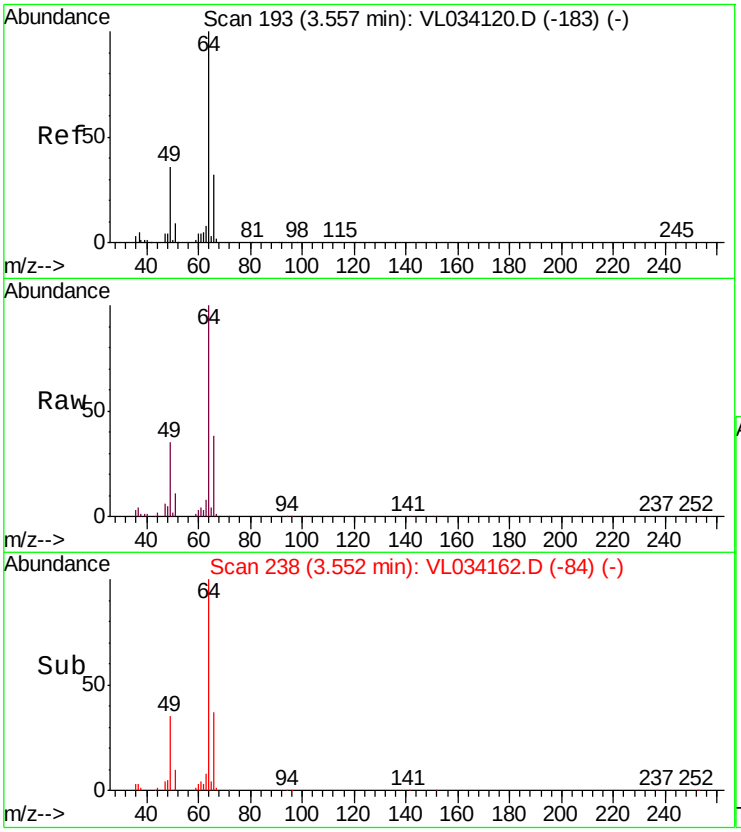


#6
Bromomethane
Concen: 9.258 ppbv
RT: 3.47 min Scan# 211
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 94 Resp: 363293

Ion	Ratio	Lower	Upper
94	100		
96	88.7	71.4	107.0



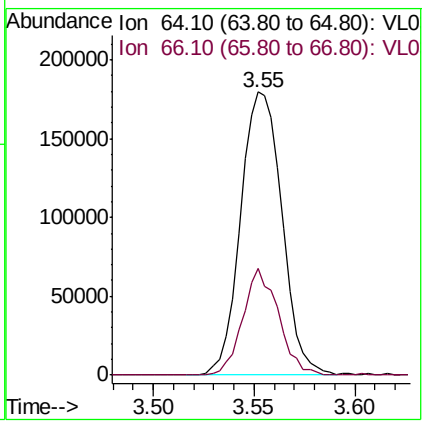


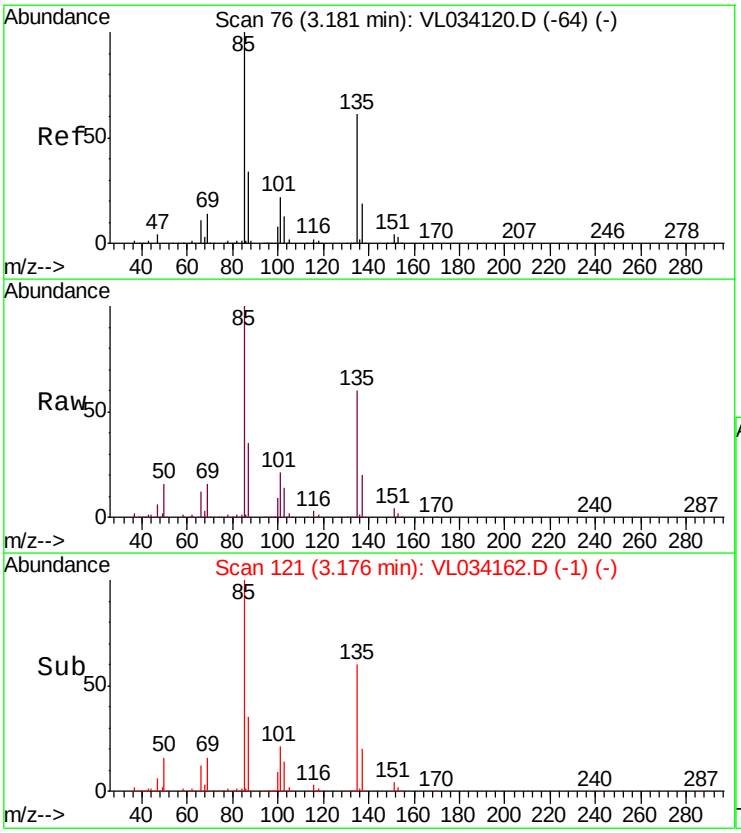
#7
Chloroethane
Concen: 9.534 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 64 Resp: 258281

Ion	Ratio	Lower	Upper
64	100		
66	37.7	25.4	38.2

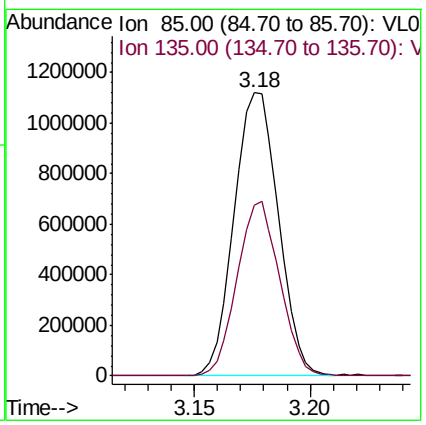


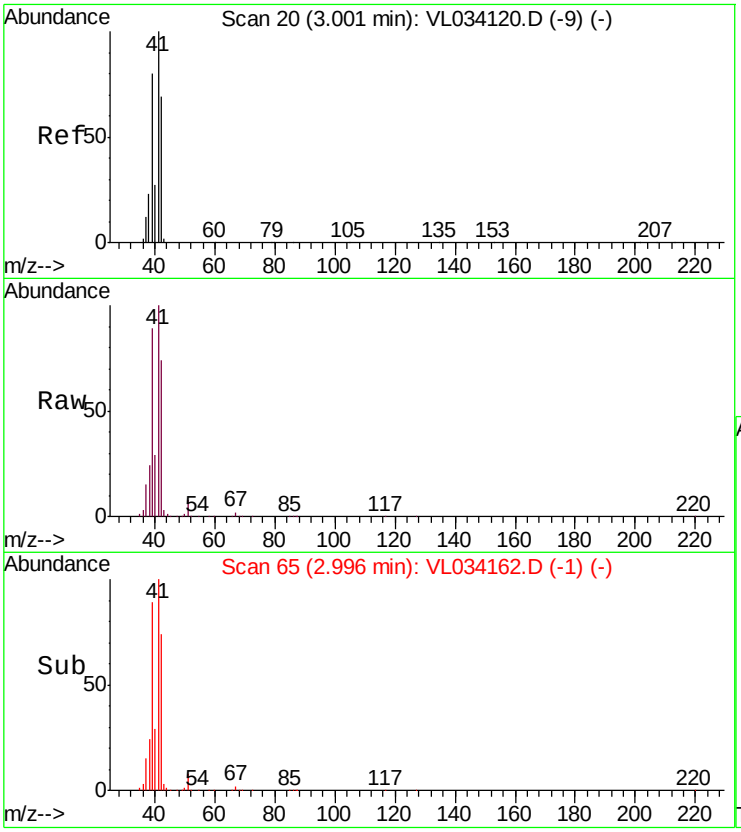


#8
Dichlorotetrafluoroethane
Concen: 8.947 ppbv
RT: 3.18 min Scan# 121
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 85 Resp: 1487861

Ion	Ratio	Lower	Upper
85	100		
135	59.4	48.0	72.0



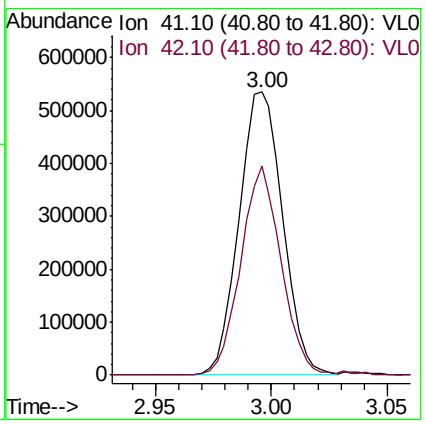


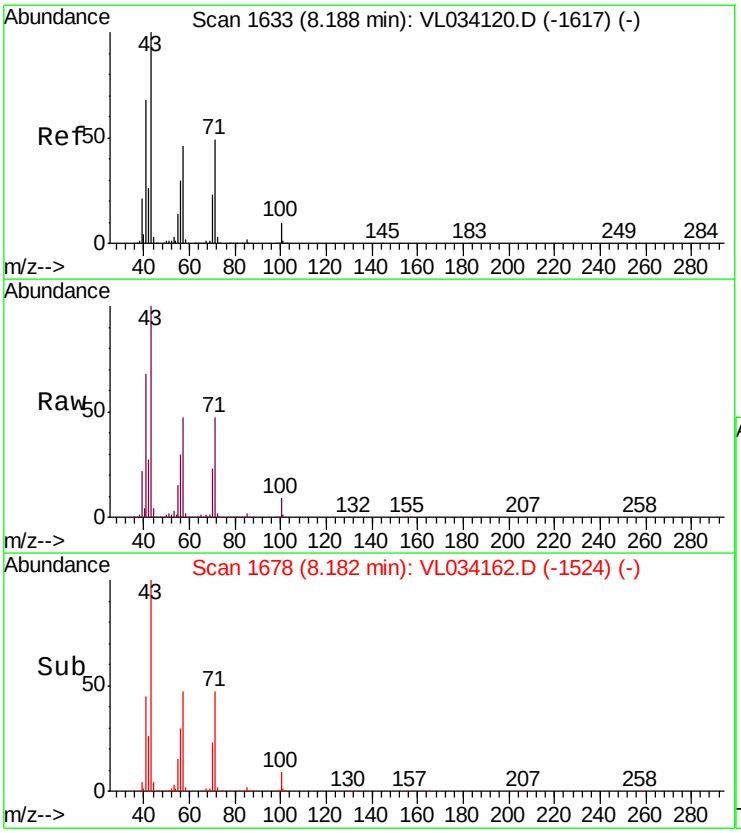
#9
Propene
Concen: 8.961 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 41 Resp: 700074

Ion	Ratio	Lower	Upper
41	100		
42	69.0	54.6	81.8

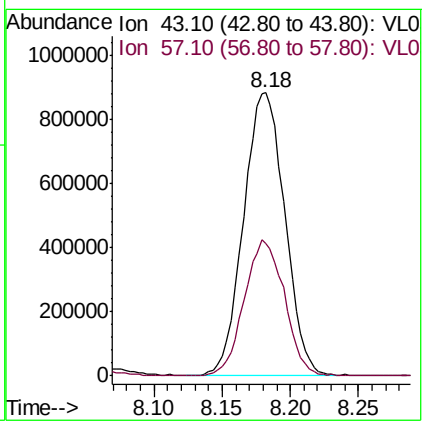


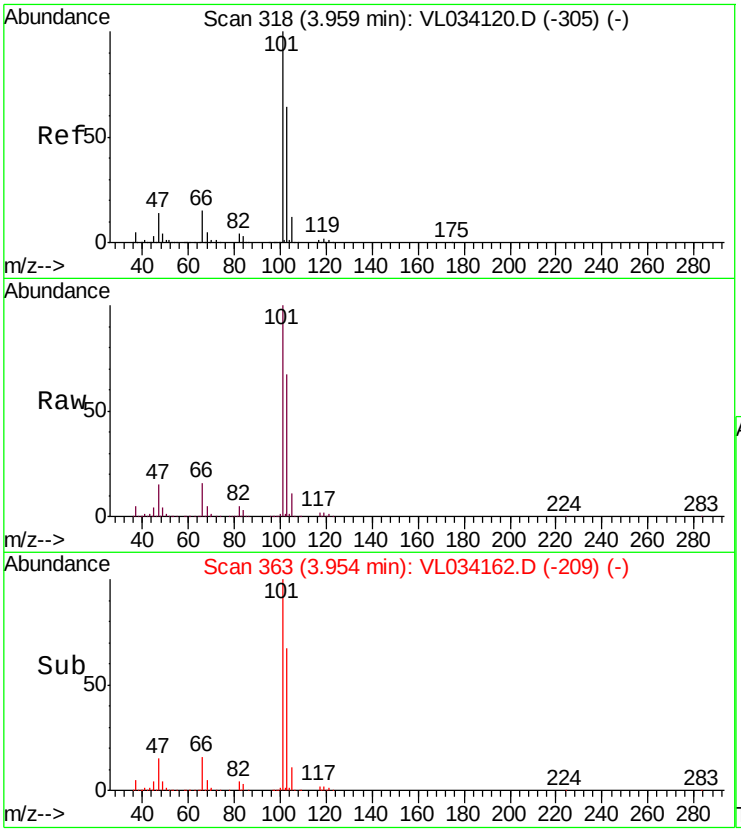


#10
Heptane
Concen: 9.131 ppbv
RT: 8.18 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 43 Resp: 1851229

Ion	Ratio	Lower	Upper
43	100		
57	46.9	38.1	57.1



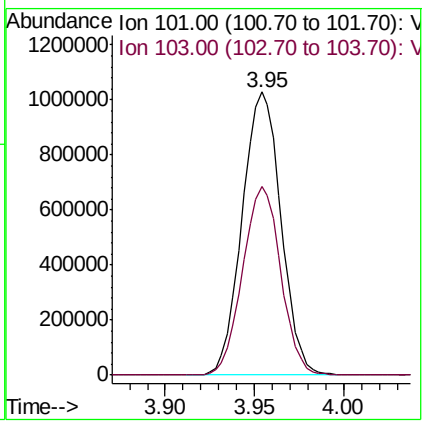


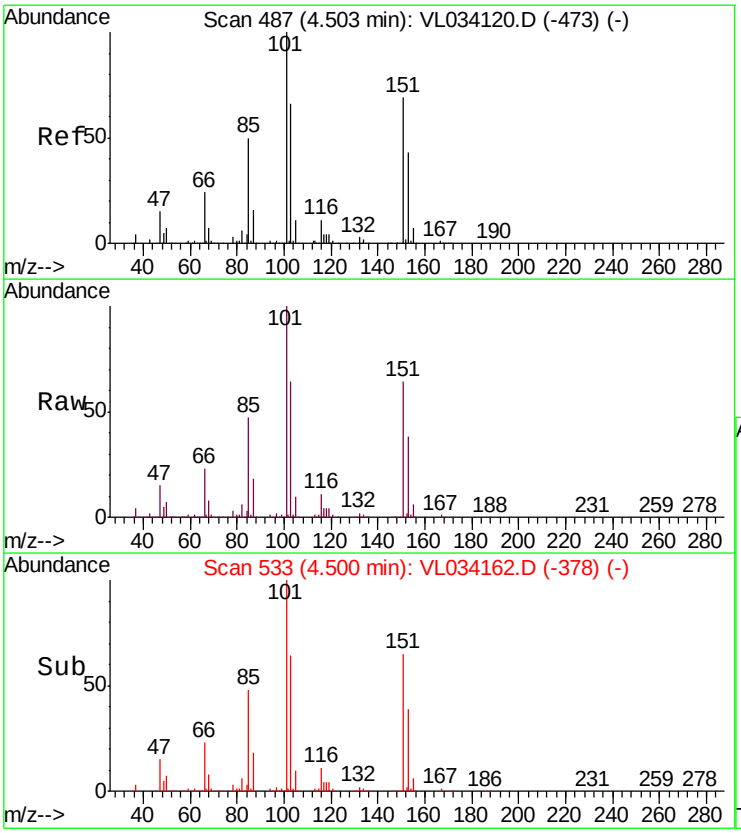
#11
Trichlorofluoromethane
Concen: 9.265 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:101 Resp: 1561025

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.4	77.2

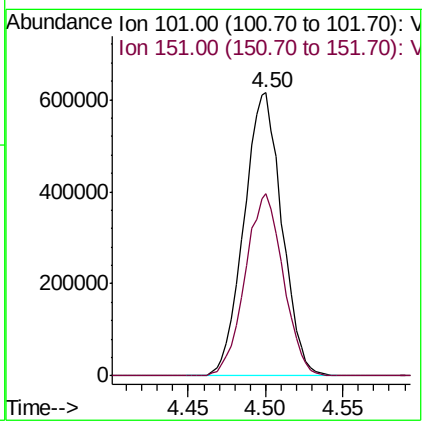


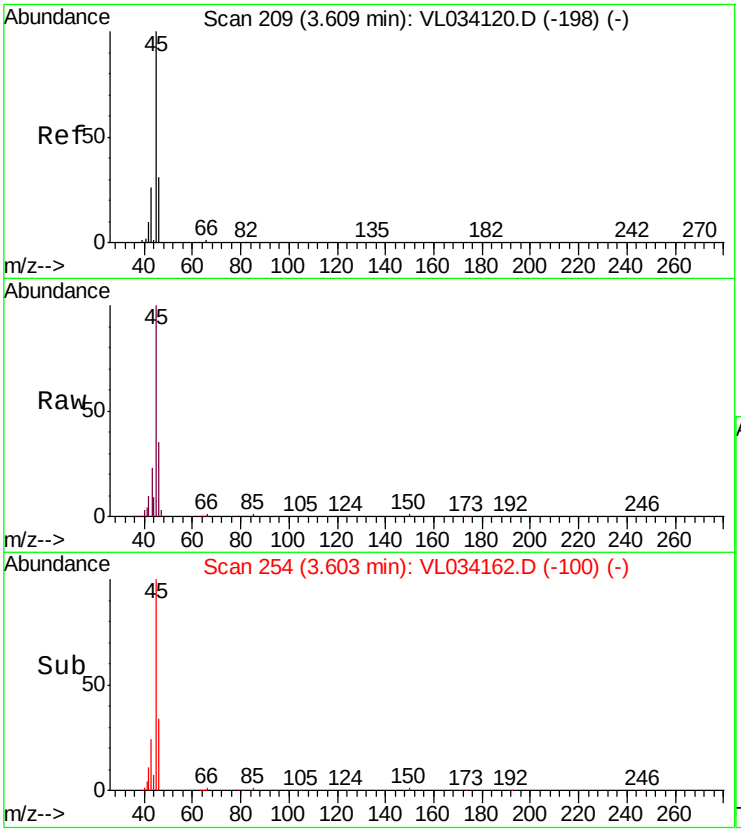


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.316 ppbv
RT: 4.50 min Scan# 533
Delta R.T. -0.00 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:101 Resp: 1050159

Ion	Ratio	Lower	Upper
101	100		
151	64.6	53.0	79.6



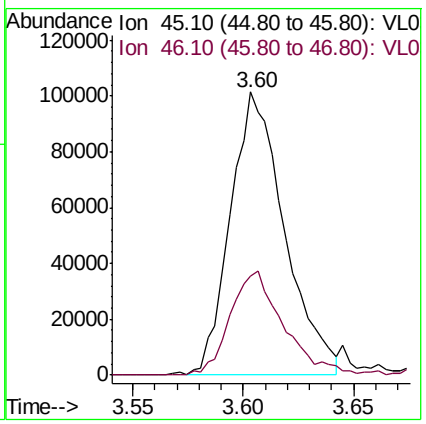


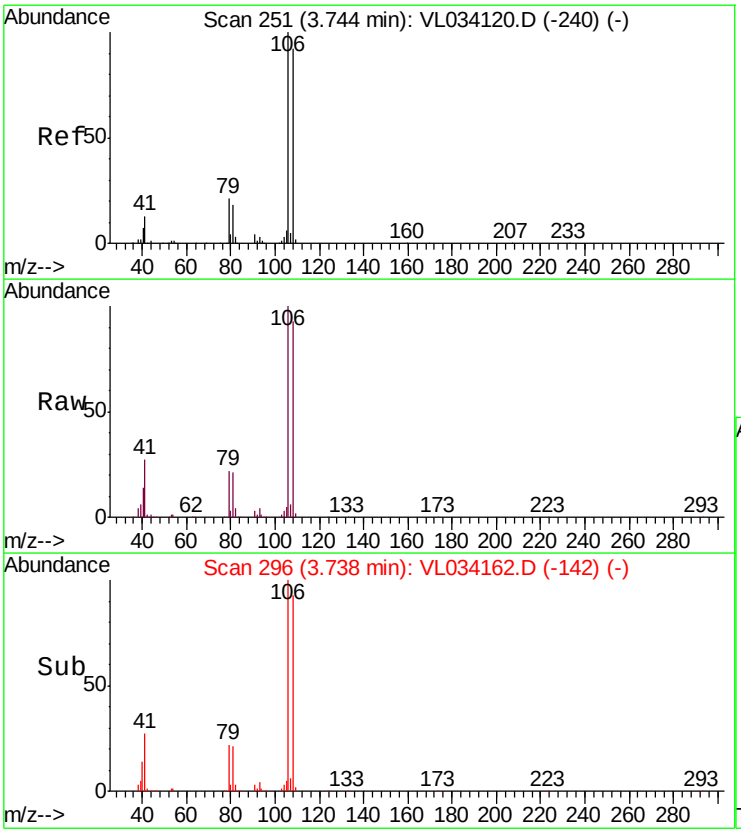
#13
Ethanol
Concen: 11.321 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 45 Resp: 173252

Ion	Ratio	Lower	Upper
45	100		
46	36.4	15.0	60.0

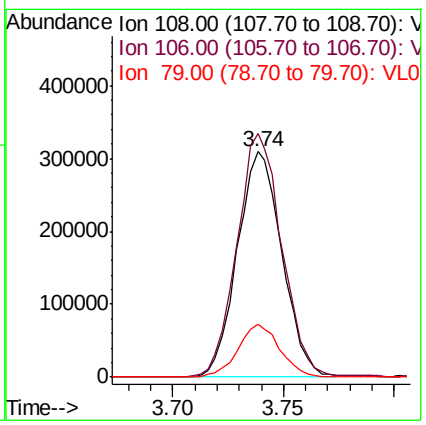


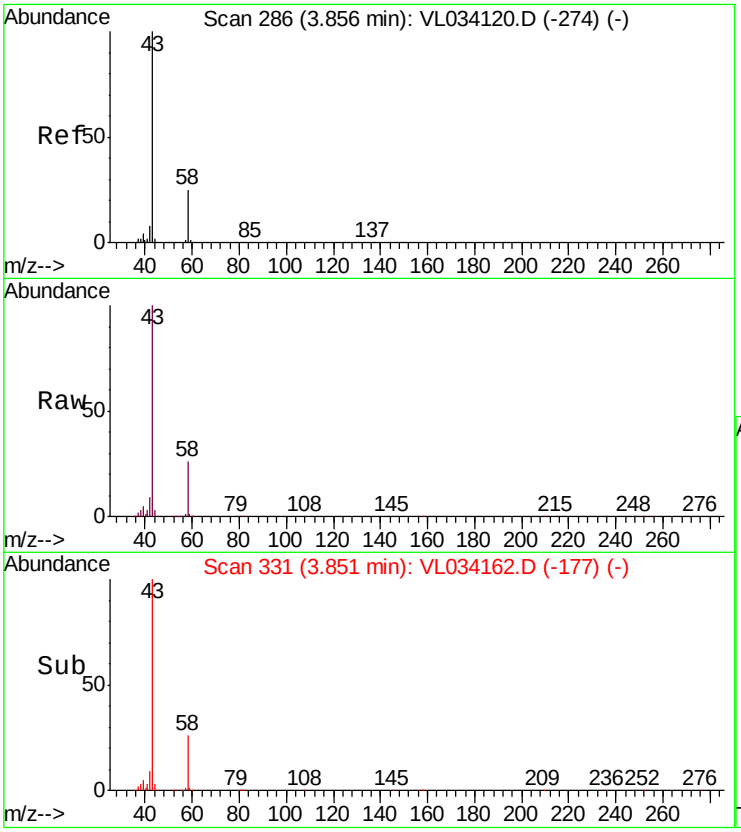


#14
Bromoethene
Concen: 8.903 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:108 Resp: 434490

Ion	Ratio	Lower	Upper
108	100		
106	109.4	87.2	130.8
79	22.3	16.5	24.7



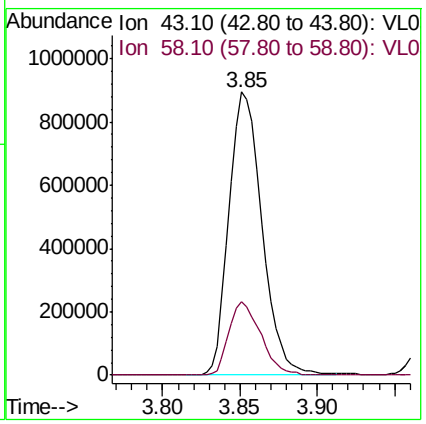


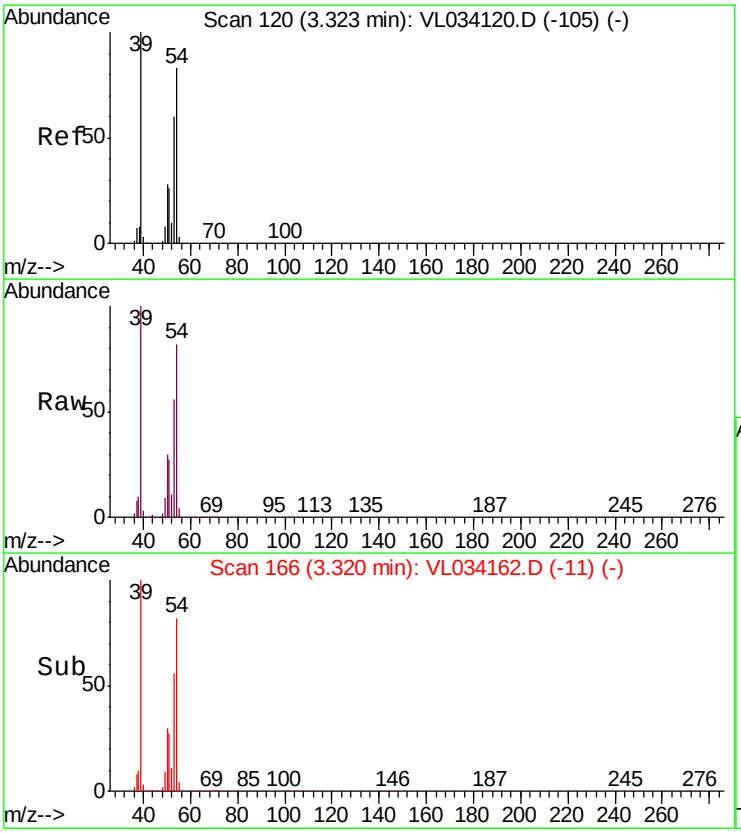
#15
Acetone
Concen: 8.791 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 43 Resp: 1327113

Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.6	30.8

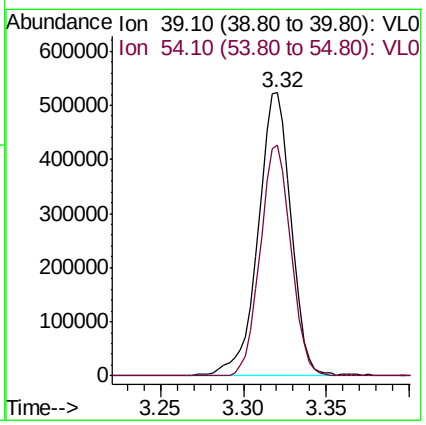


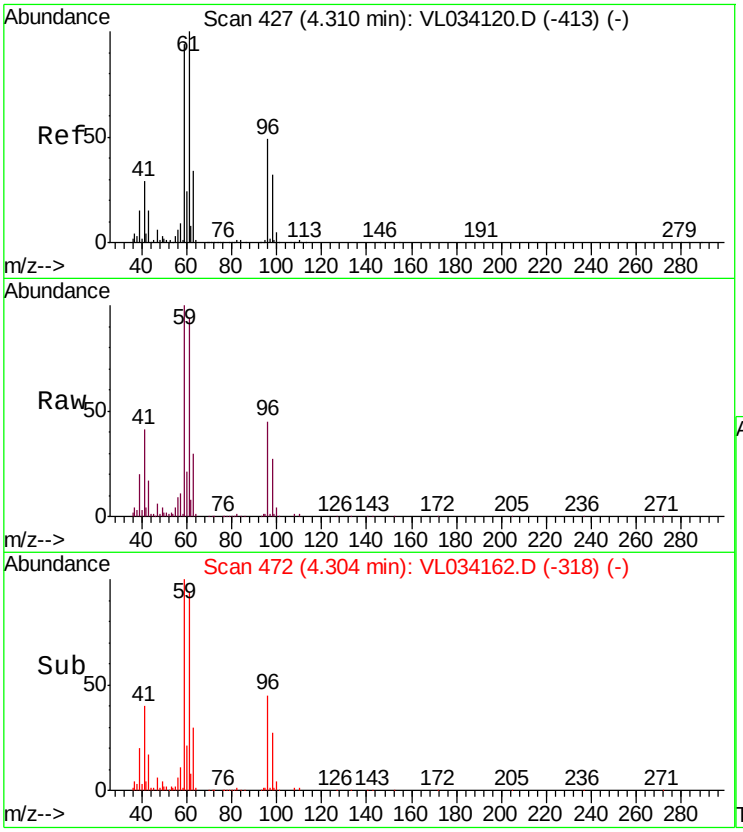


#16
1,3-Butadiene
Concen: 9.406 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 39 Resp: 719091

Ion	Ratio	Lower	Upper
39	100		
54	77.1	63.5	95.3



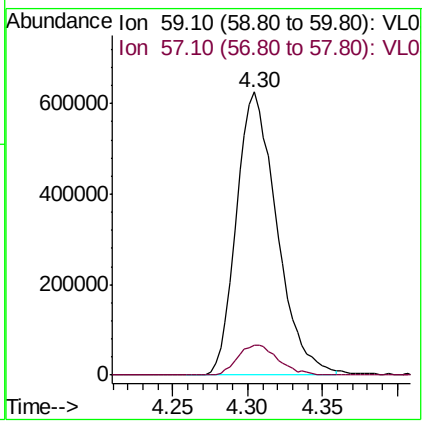


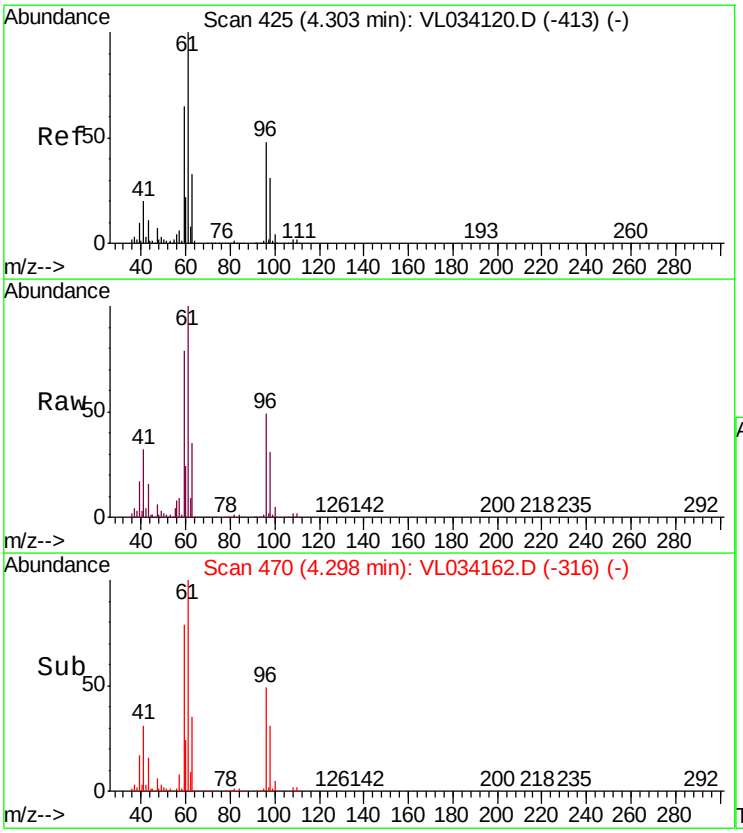
#17
tert-Butyl alcohol
Concen: 10.751 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 59 Resp: 1178269

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8

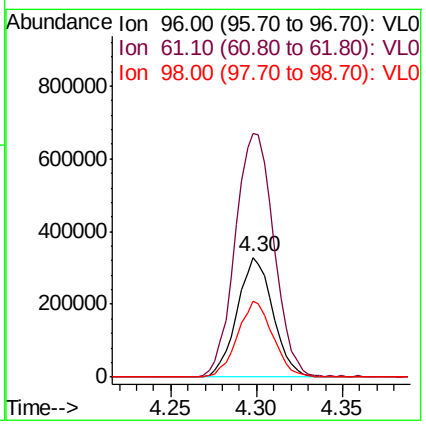


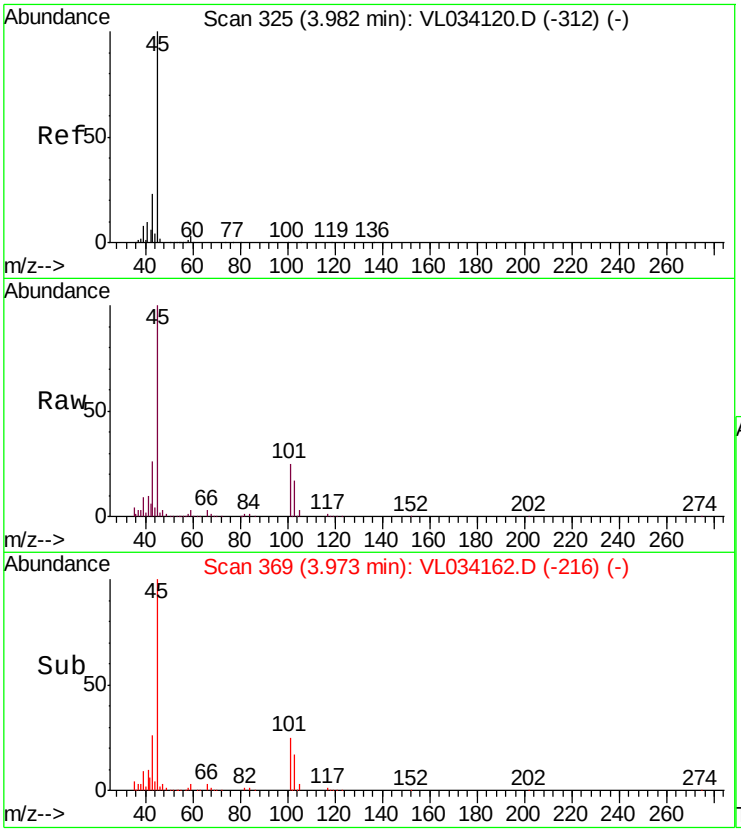


#18
1,1-Dichloroethene
Concen: 9.229 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 96 Resp: 475293

Ion	Ratio	Lower	Upper
96	100		
61	203.4	165.8	248.8
98	63.2	50.8	76.2



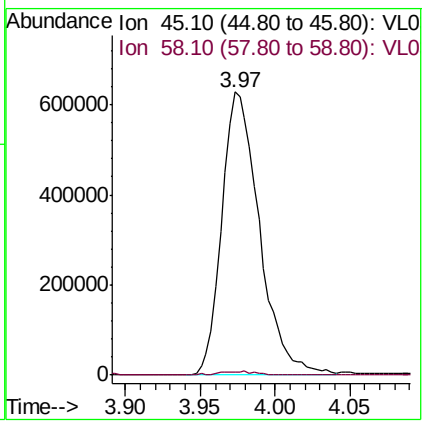


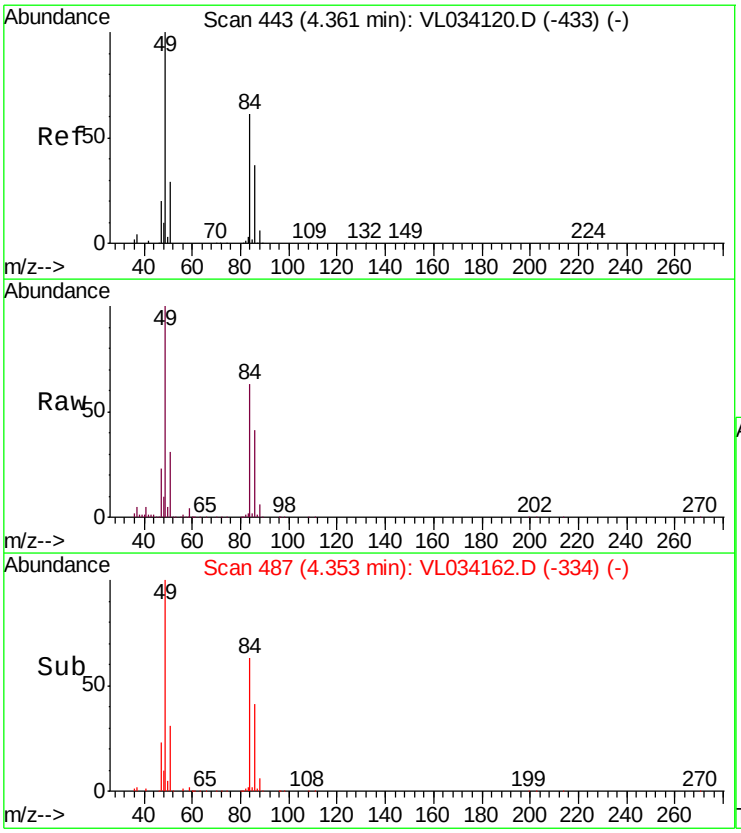
#19
Isopropyl Alcohol
Concen: 10.806 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 45 Resp: 1101088

Ion	Ratio	Lower	Upper
45	100		
58	1.2	1.0	1.6

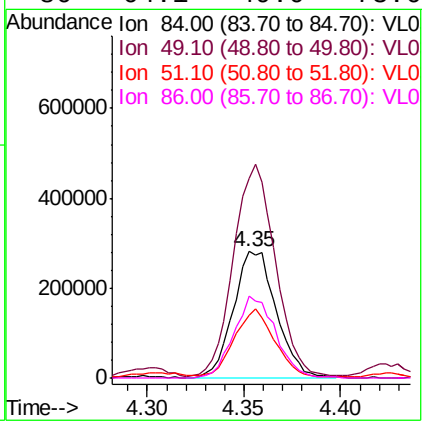


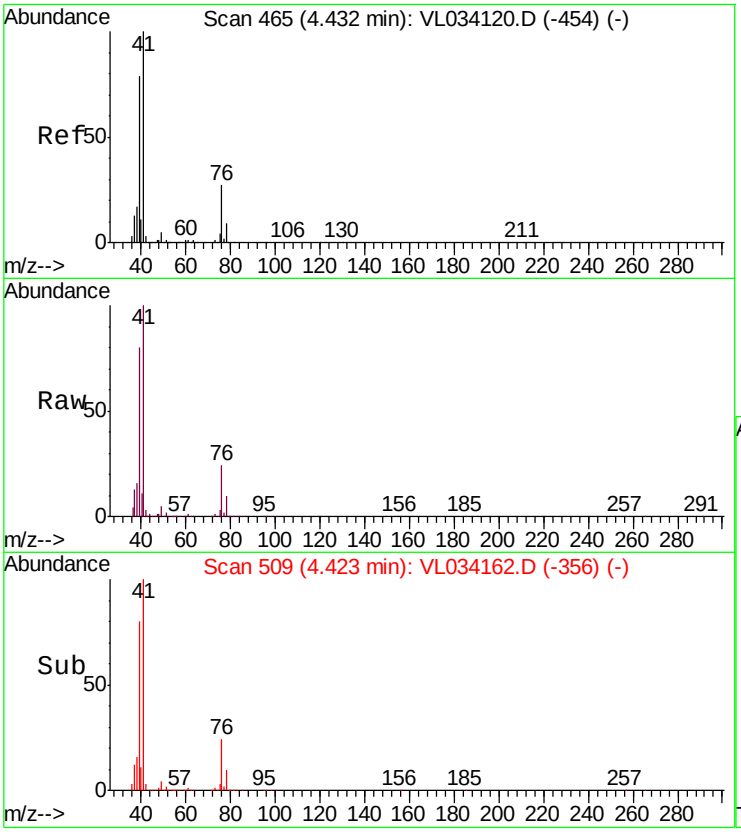


#20
Methylene Chloride
Concen: 8.663 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 84 Resp: 432389

Ion	Ratio	Lower	Upper
84	100		
49	157.3	131.0	196.6
51	48.5	38.1	57.1
86	64.1	49.0	73.6



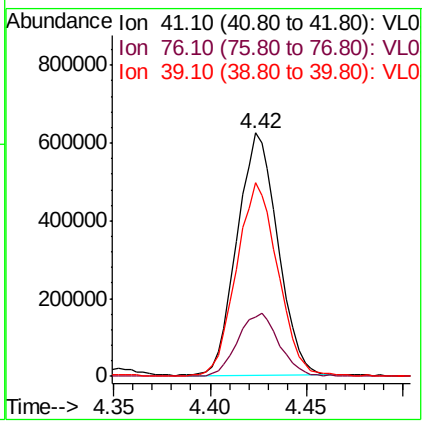


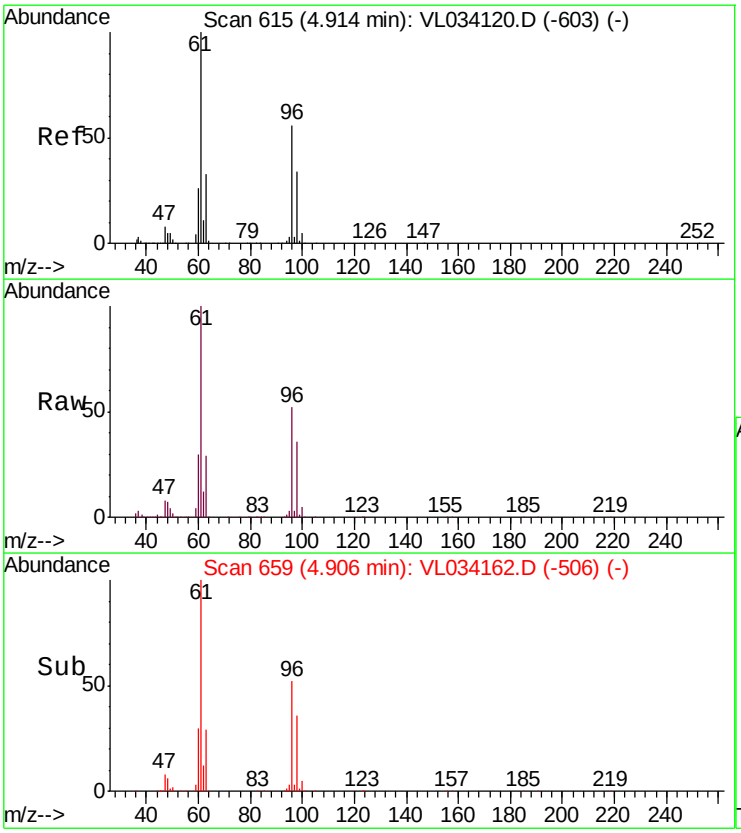
#21
Allyl Chloride
Concen: 9.167 ppbv
RT: 4.42 min Scan# 509
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 41 Resp: 912339

Ion	Ratio	Lower	Upper
41	100		
76	26.5	21.6	32.4
39	81.0	65.0	97.4

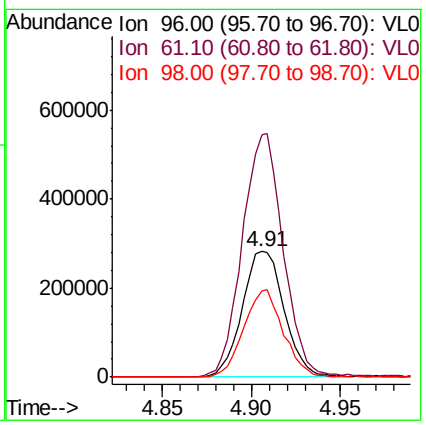


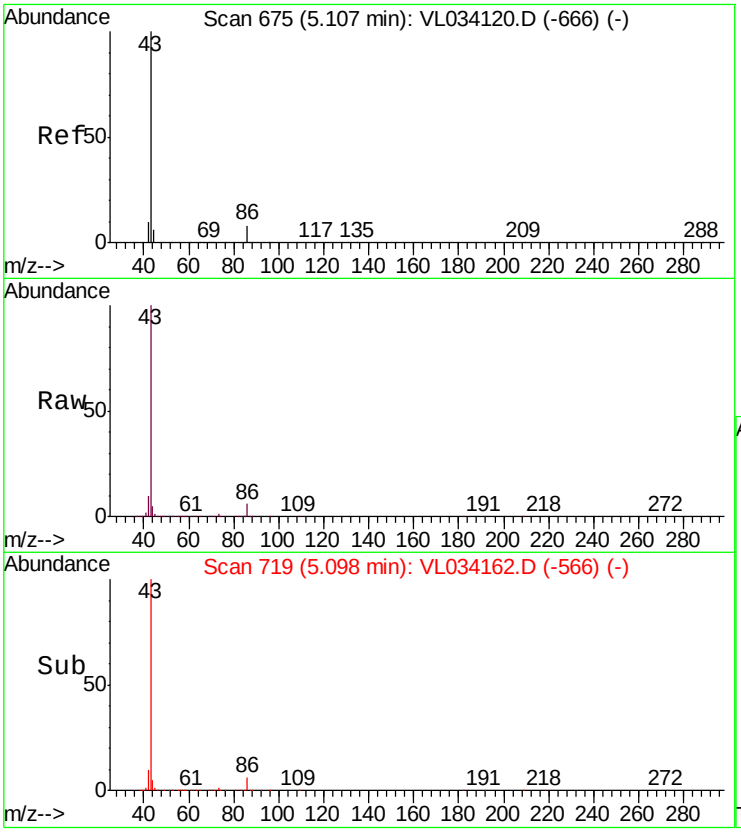


#22
trans-1,2-Dichloroethene
Concen: 9.010 ppbv
RT: 4.91 min Scan# 659
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 96 Resp: 464456

Ion	Ratio	Lower	Upper
96	100		
61	192.7	143.1	214.7
98	69.0	49.0	73.4



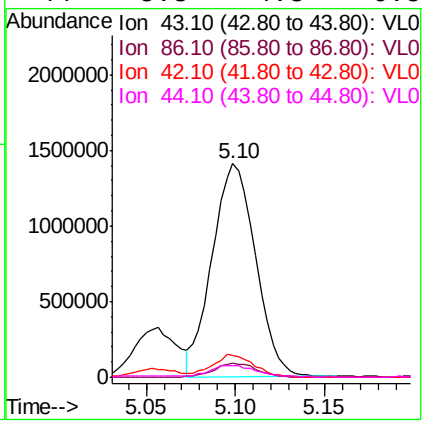


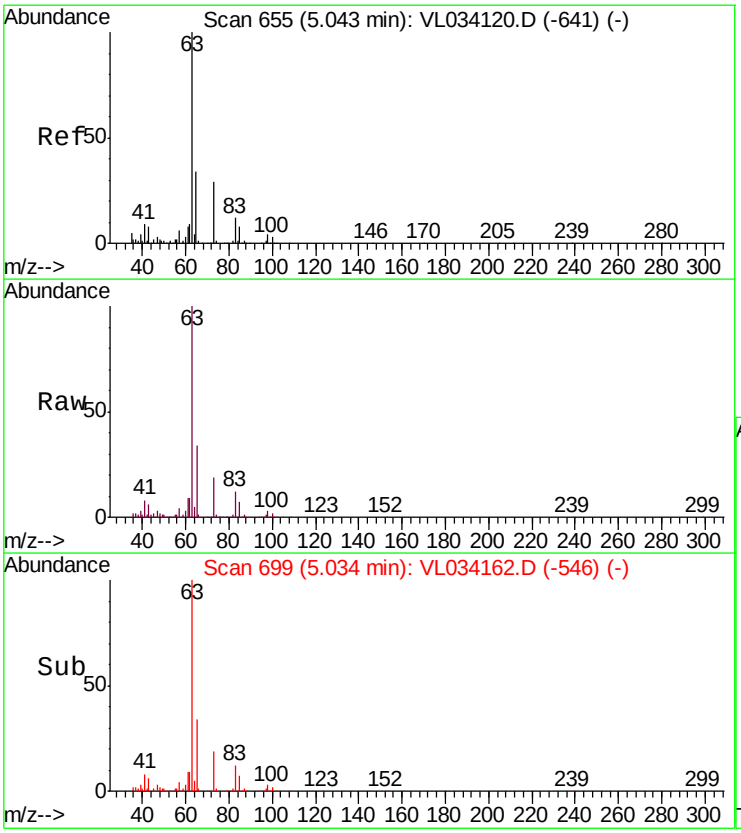
#23
Vinyl Acetate
Concen: 9.305 ppbv
RT: 5.10 min Scan# 719
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 43 Resp: 2383101

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.5	8.3
42	10.4	8.2	12.4
44	5.3	4.3	6.5

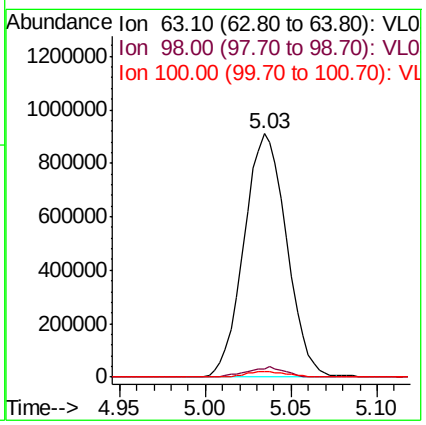


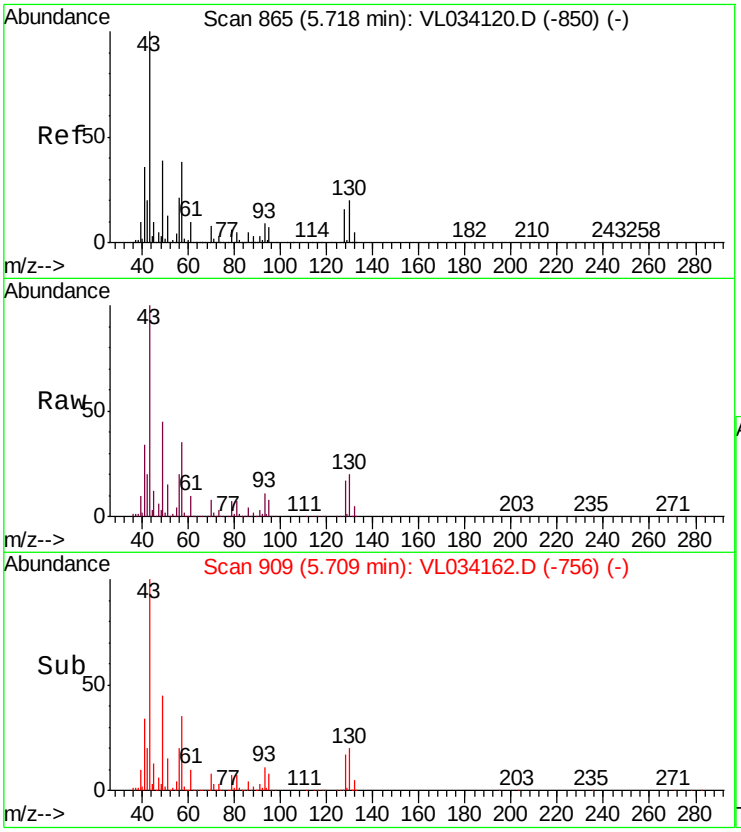


#24
1,1-Dichloroethane
Concen: 9.170 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 63 Resp: 1558779

Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.1	6.2
100	2.2	1.4	4.0



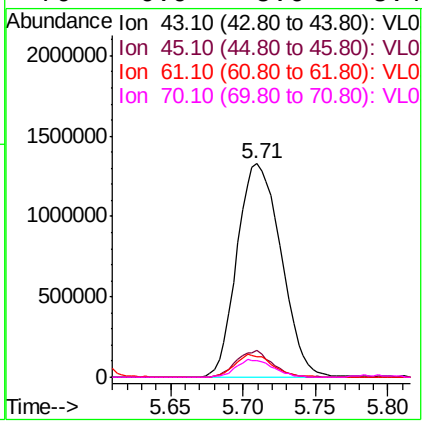


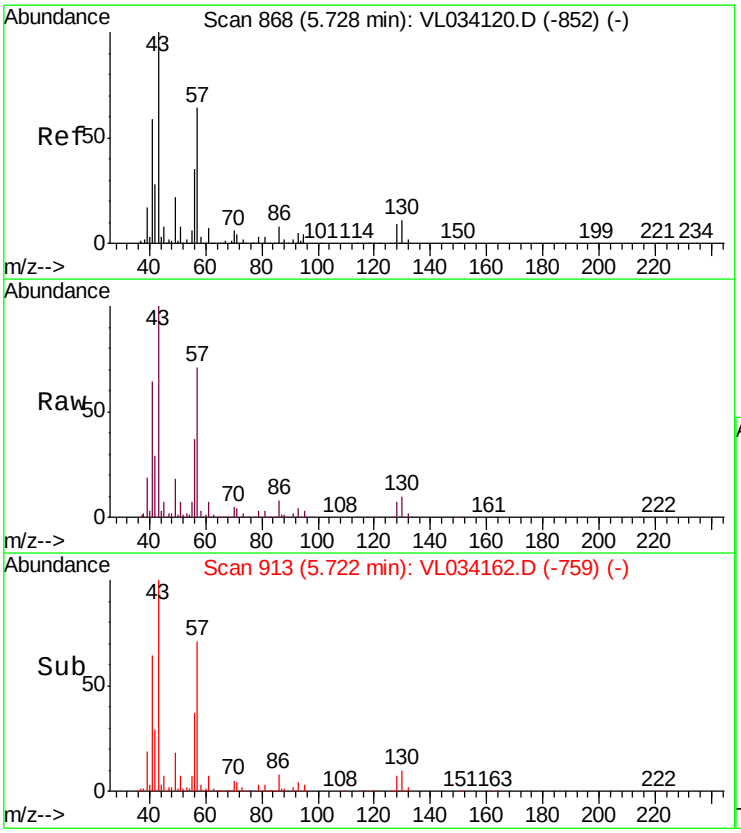
#25
Ethyl Acetate
Concen: 8.477 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 43 Resp: 2809155

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.1	7.4	11.2
70	6.9	5.6	8.4

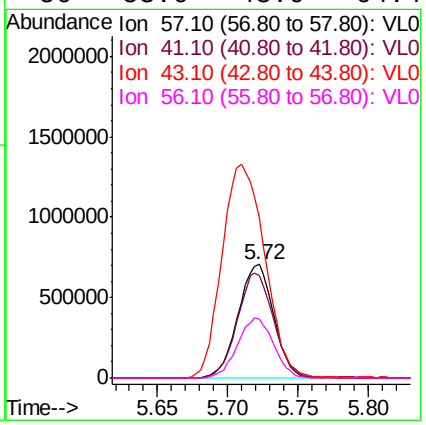


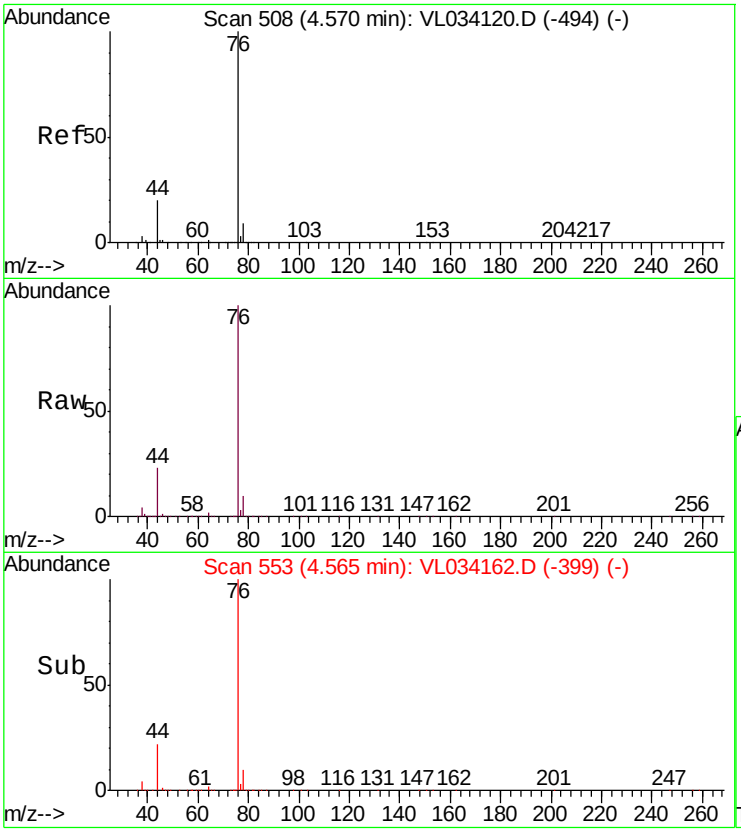


#26
Hexane
Concen: 8.474 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 57 Resp: 1248521

Ion	Ratio	Lower	Upper
57	100		
41	95.9	76.6	115.0
43	227.3	189.2	283.8
56	53.6	43.0	64.4



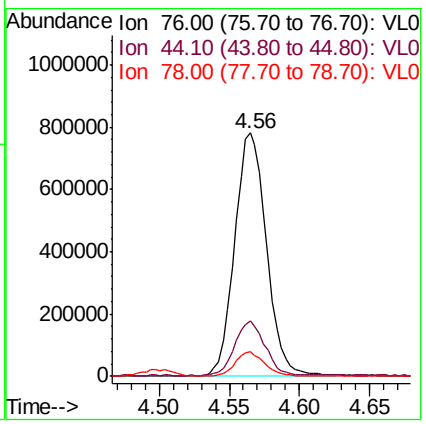


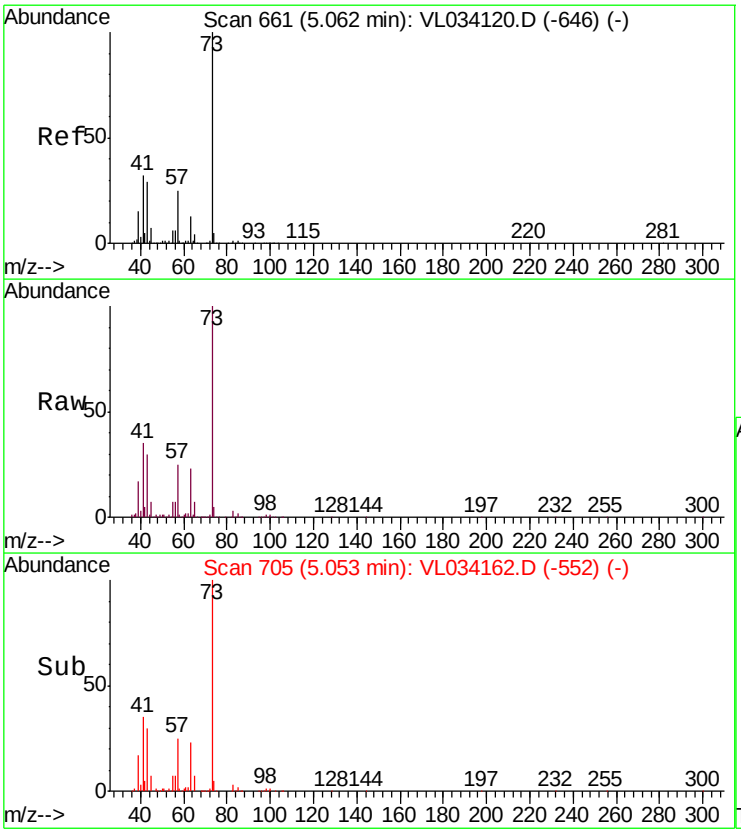
#27
Carbon Disulfide
Concen: 9.309 ppbv
RT: 4.56 min Scan# 553
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 76 Resp: 1237783

Ion	Ratio	Lower	Upper
76	100		
44	21.9	17.6	26.4
78	9.5	7.3	10.9

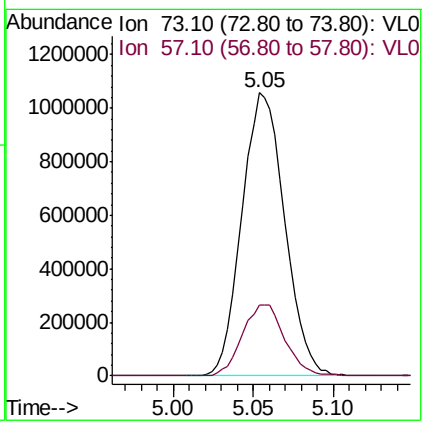


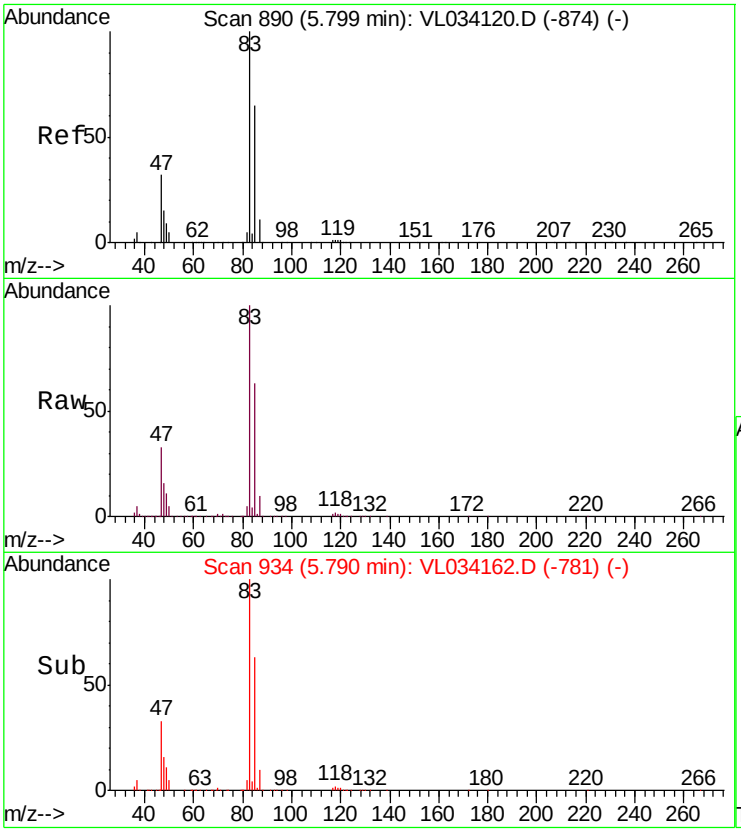


#28
Methyl tert-Butyl Ether
Concen: 8.955 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 73 Resp: 1933190

Ion	Ratio	Lower	Upper
73	100		
57	25.2	19.8	29.8



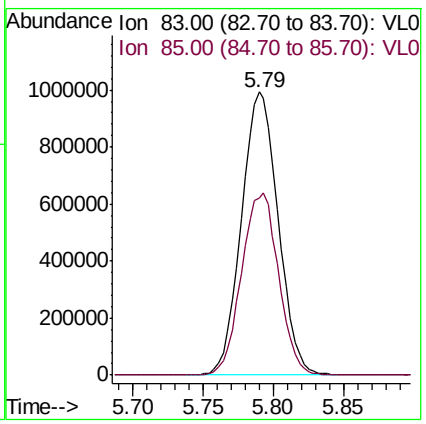


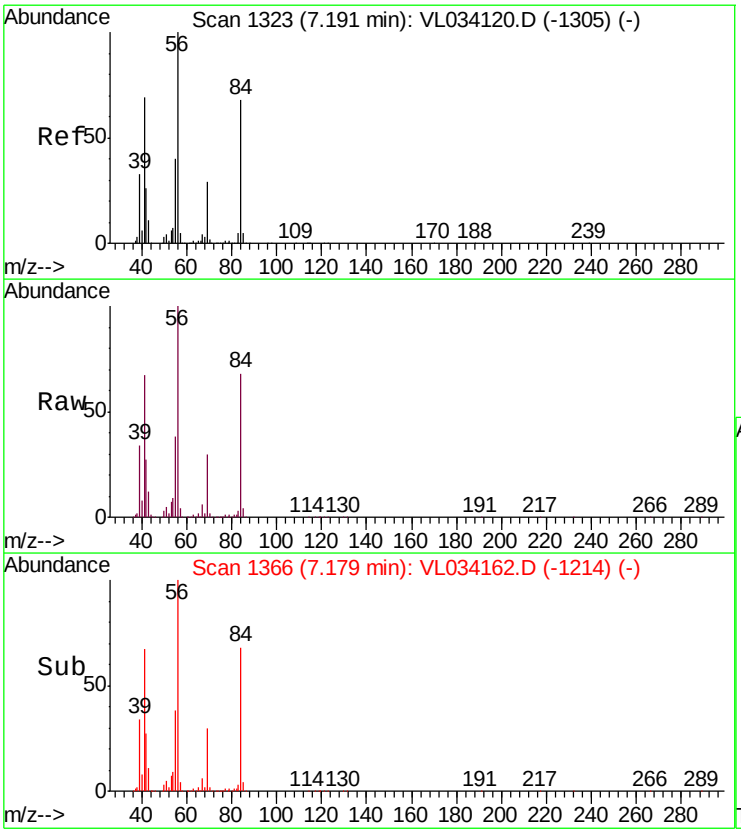
#29
Chloroform
Concen: 9.110 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 83 Resp: 1810321

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.6

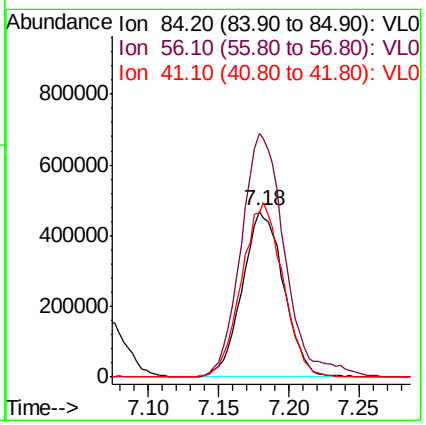


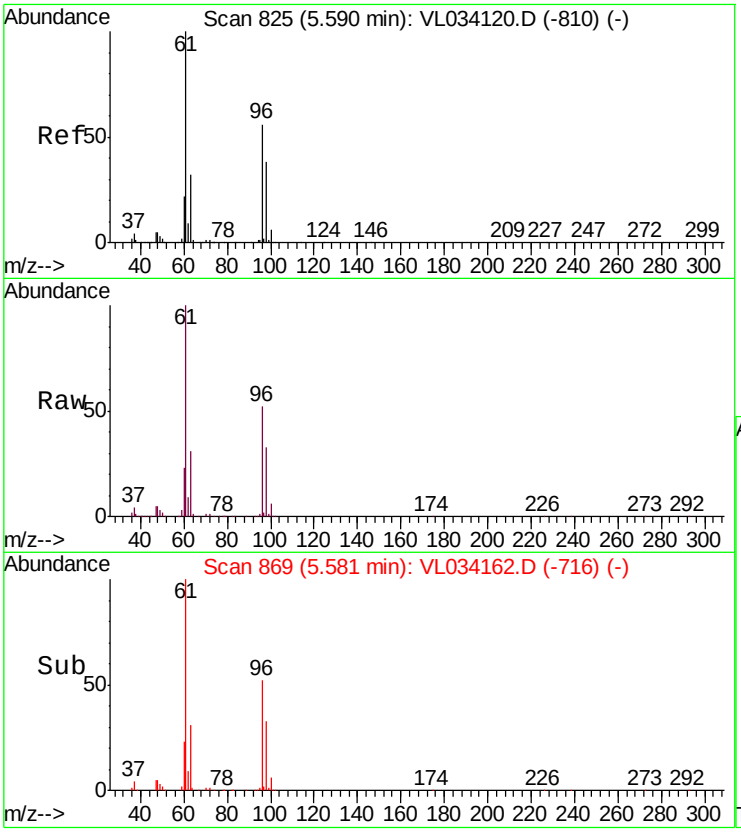


#30
Cyclohexane
Concen: 9.040 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 84 Resp: 962883

Ion	Ratio	Lower	Upper
84	100		
56	156.3	122.6	183.8
41	105.8	79.1	118.7



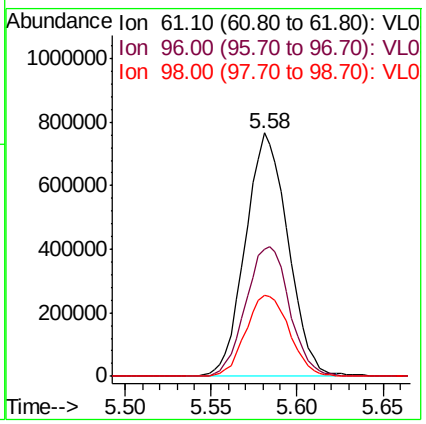


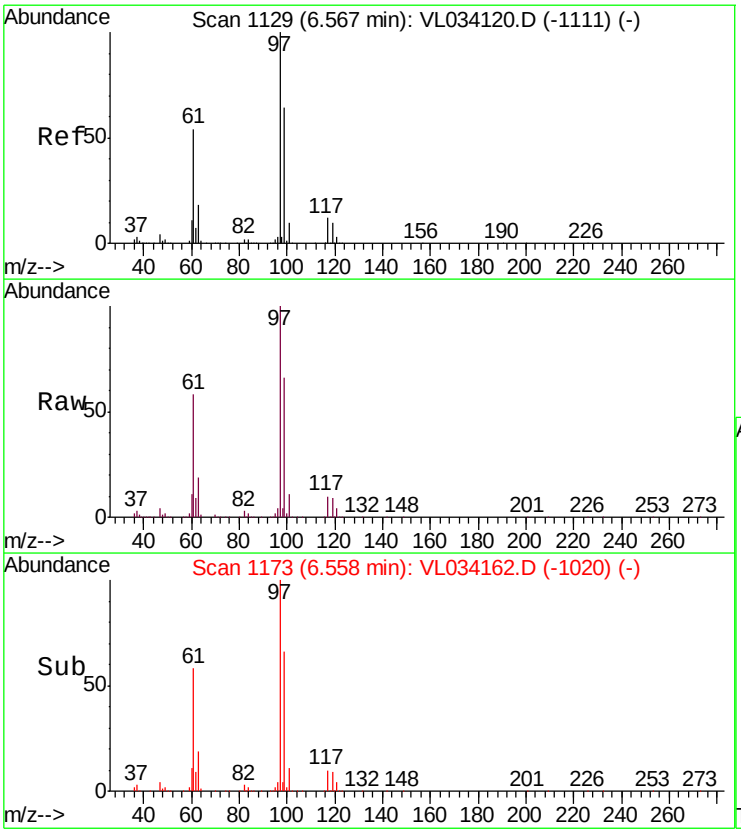
#31
cis-1,2-Dichloroethene
Concen: 9.310 ppbv
RT: 5.58 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 61 Resp: 1313541

Ion	Ratio	Lower	Upper
61	100		
96	52.4	44.4	66.6
98	33.2	30.0	45.0

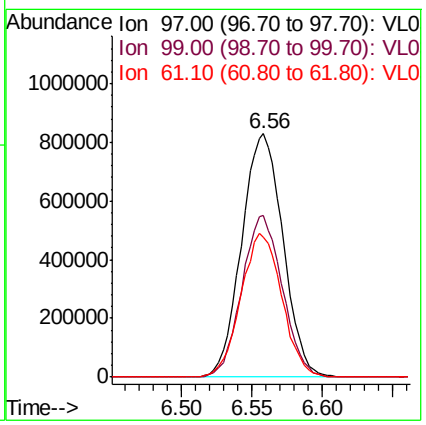


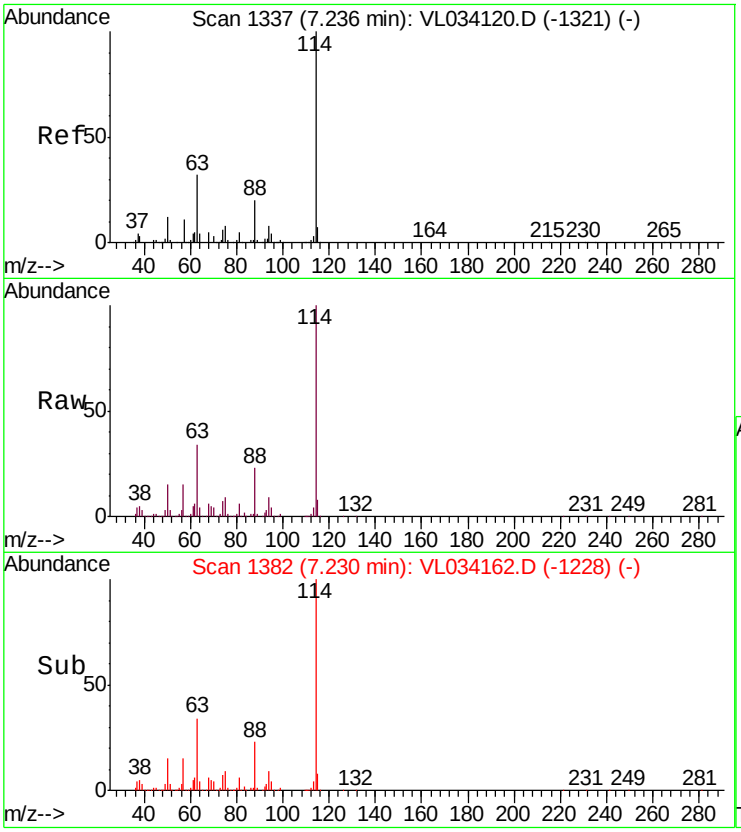


#32
1,1,1-Trichloroethane
Concen: 9.061 ppbv
RT: 6.56 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 97 Resp: 1701128

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	58.9	44.0	66.0



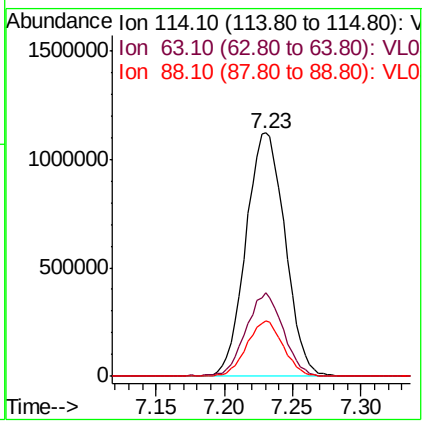


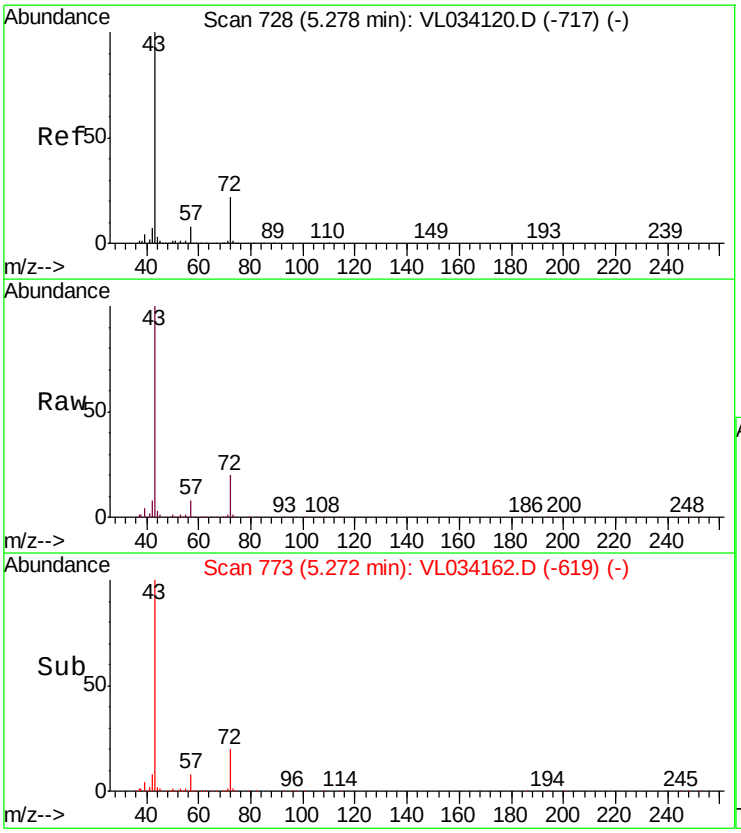
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:114 Resp: 2231974

Ion	Ratio	Lower	Upper
114	100		
63	33.2	25.5	38.3
88	21.1	16.8	25.2

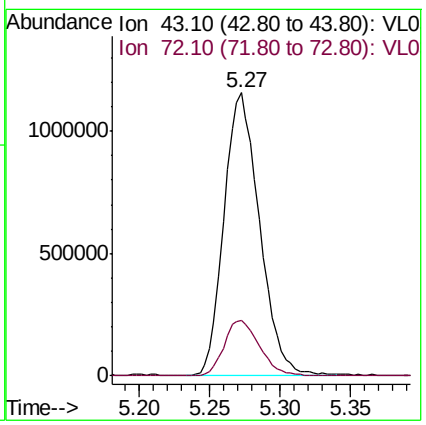


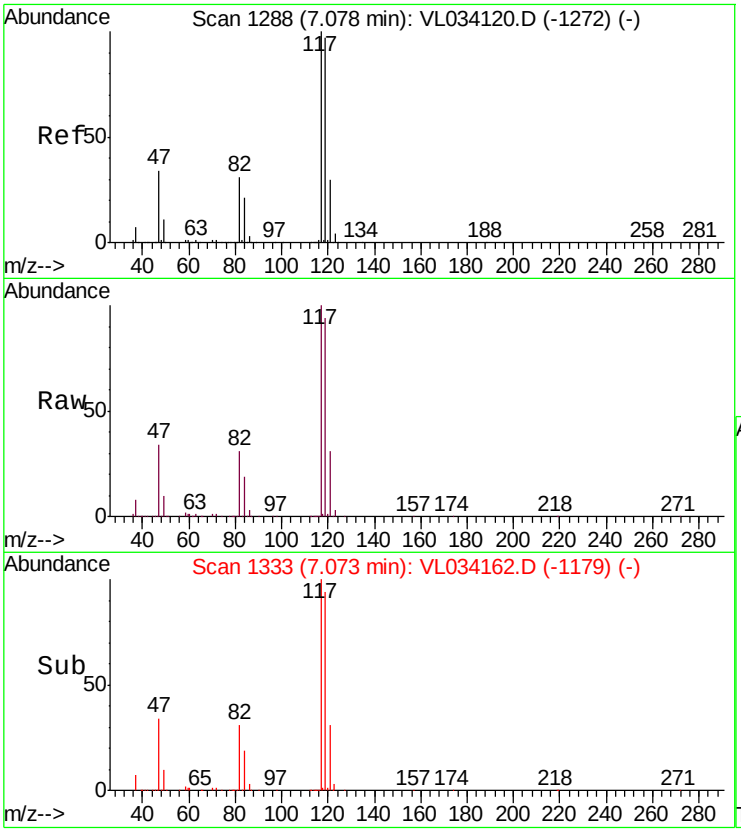


#34
2-Butanone
Concen: 9.499 ppbv
RT: 5.27 min Scan# 773
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 43 Resp: 2038259

Ion	Ratio	Lower	Upper
43	100		
72	19.7	16.5	24.7



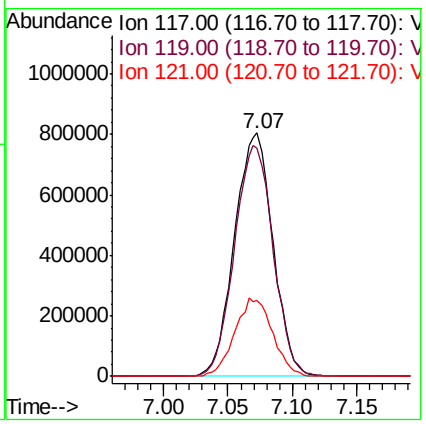


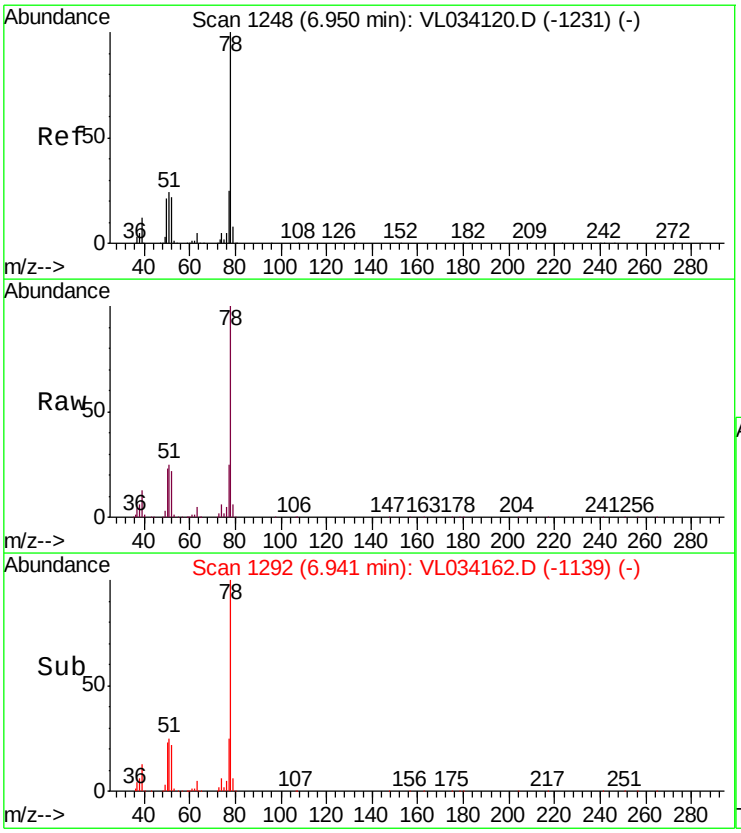
#35
Carbon Tetrachloride
Concen: 9.583 ppbv
RT: 7.07 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:117 Resp: 1667507

Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.2	115.8
121	30.9	24.2	36.4

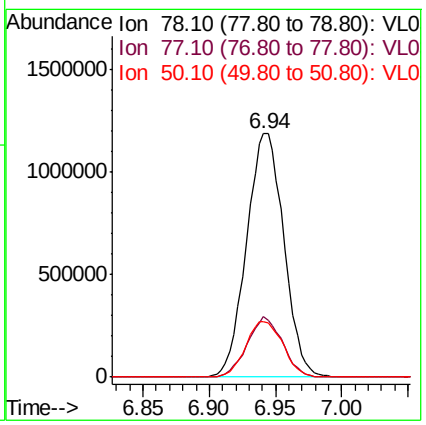


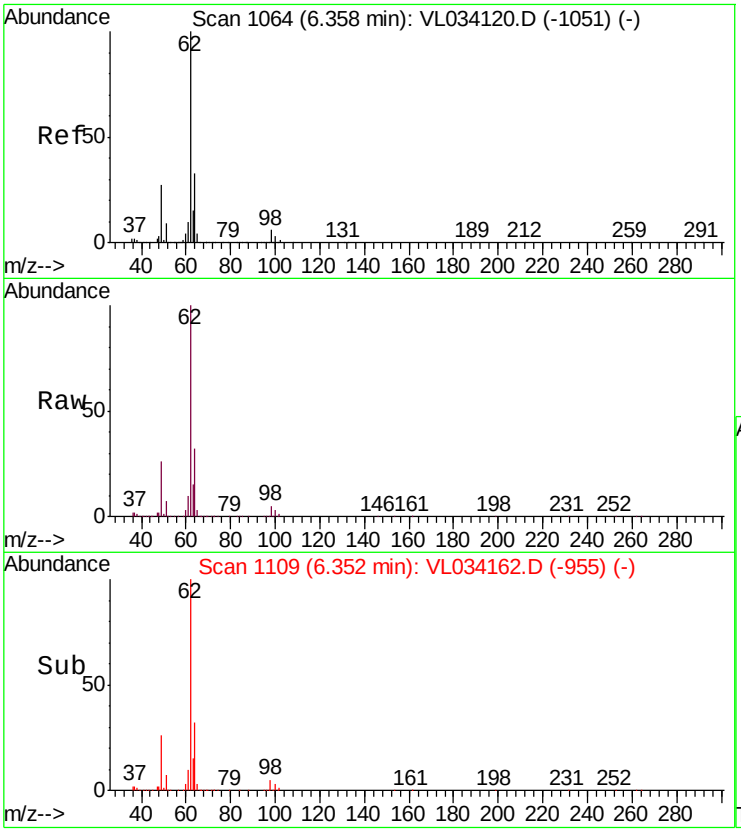


#36
Benzene
Concen: 9.130 ppbv
RT: 6.94 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 78 Resp: 2329315

Ion	Ratio	Lower	Upper
78	100		
77	24.7	20.3	30.5
50	22.8	16.9	25.3



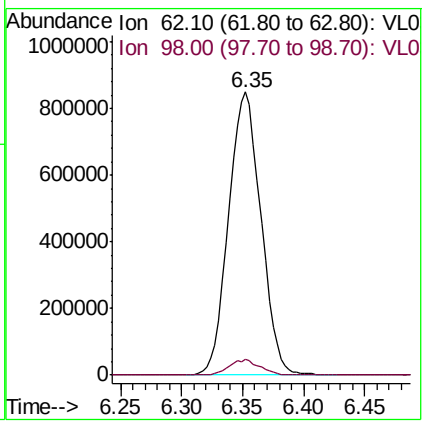


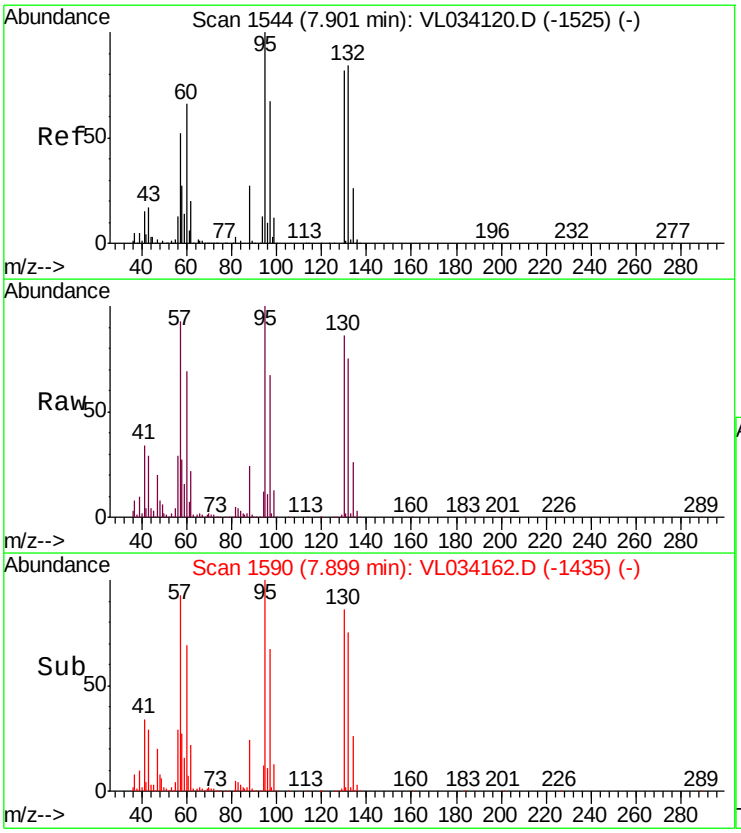
#37
1,2-Dichloroethane
Concen: 10.005 ppbv
RT: 6.35 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 62 Resp: 1565871

Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.4	6.6

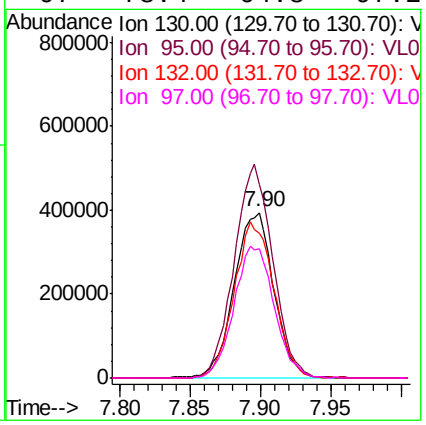


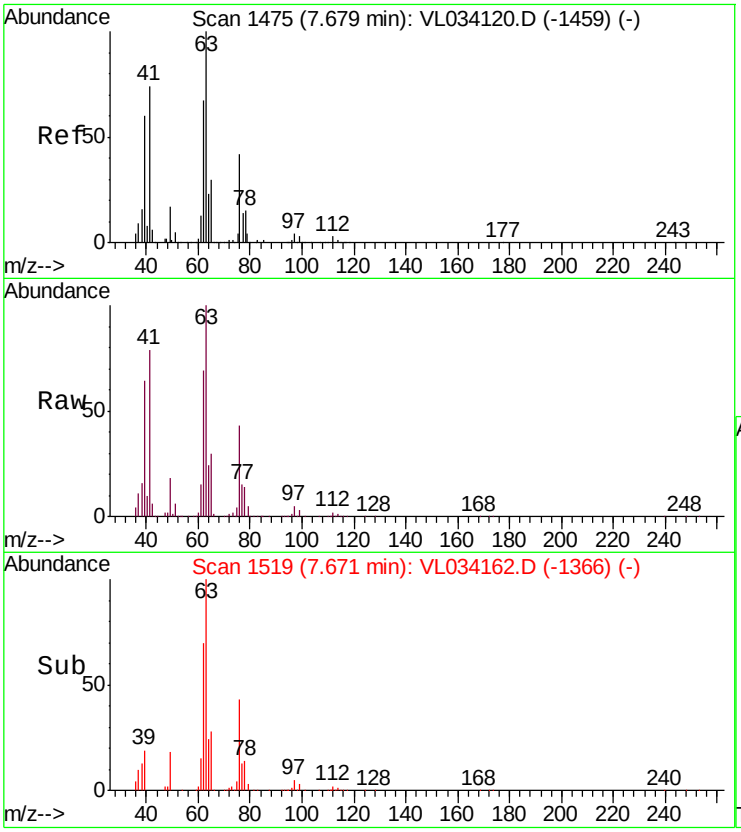


#38
Trichloroethene
Concen: 8.122 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:130 Resp: 773237

Ion	Ratio	Lower	Upper
130	100		
95	116.7	97.2	145.8
132	87.1	81.4	122.2
97	78.4	64.8	97.2



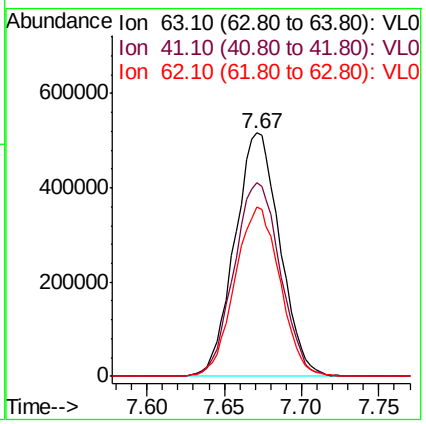


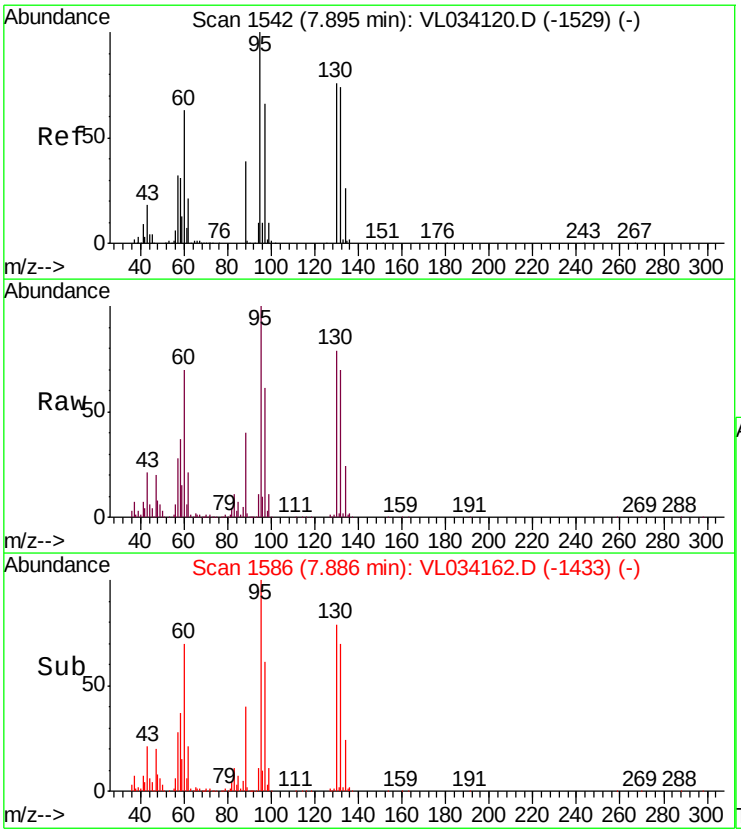
#39
1,2-Dichloropropane
Concen: 9.540 ppbv
RT: 7.67 min Scan# 1519
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 63 Resp: 1041590

Ion	Ratio	Lower	Upper
63	100		
41	79.1	59.3	88.9
62	69.4	53.8	80.6

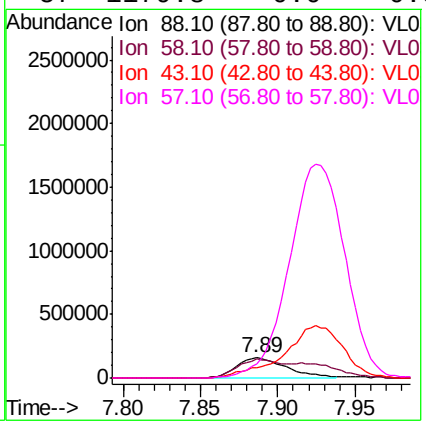


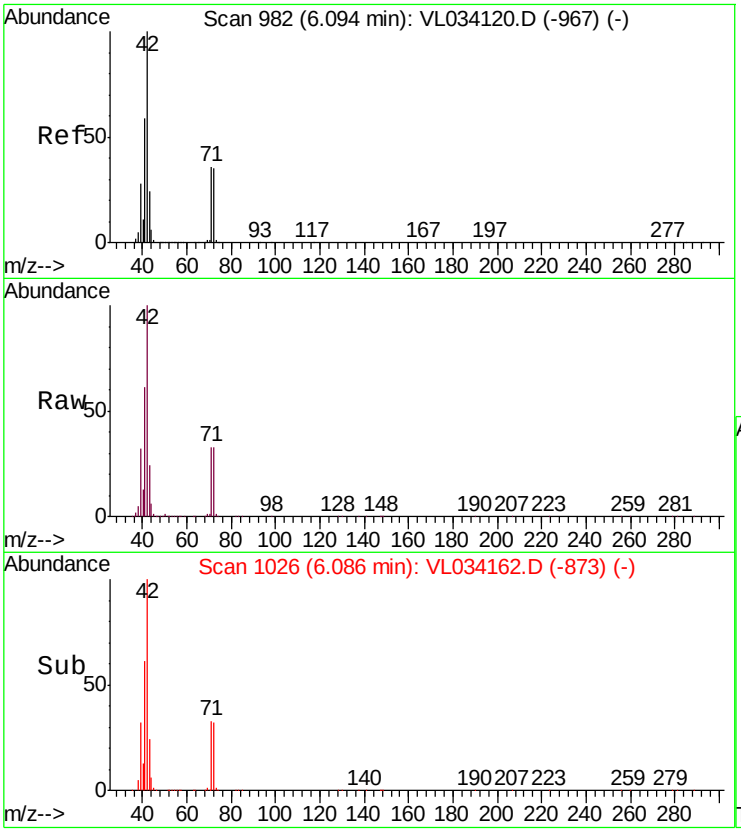


#40
1,4-Dioxane
Concen: 8.920 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 88 Resp: 357884

Ion	Ratio	Lower	Upper
88	100		
58	150.3	121.7	182.5
43	302.2	0.0	0.0#
57	1179.8	0.0	0.0#



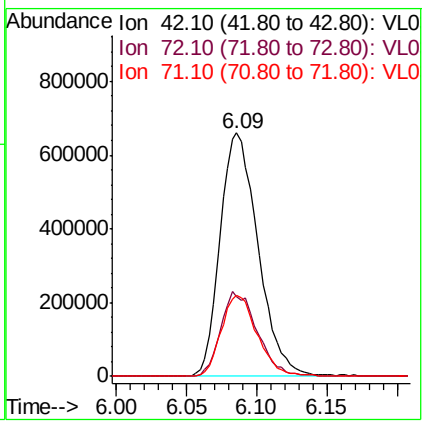


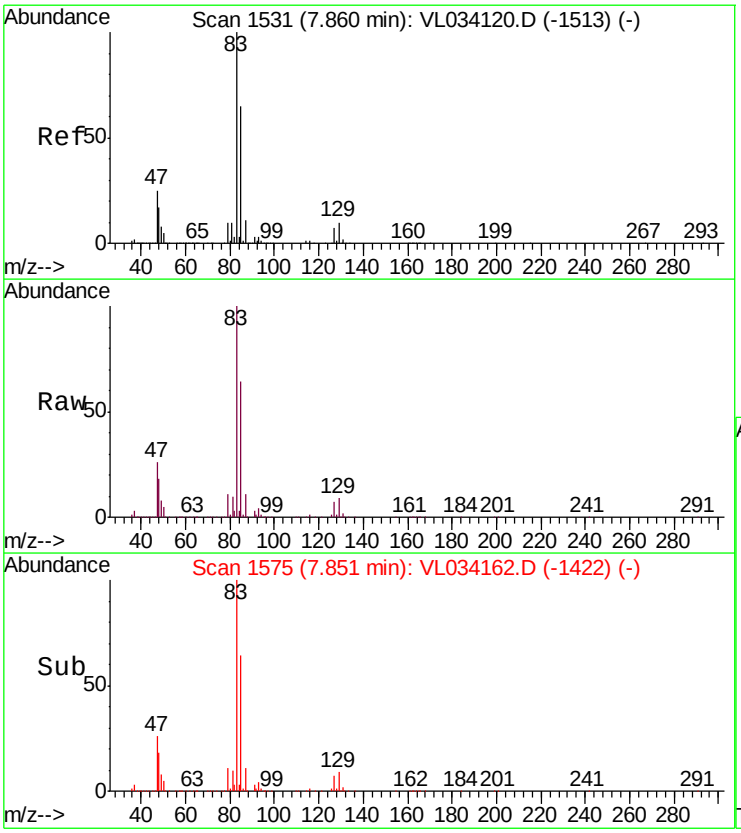
#41
Tetrahydrofuran
Concen: 9.607 ppbv
RT: 6.09 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 42 Resp: 1235882

Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.7	41.5
71	32.1	26.7	40.1

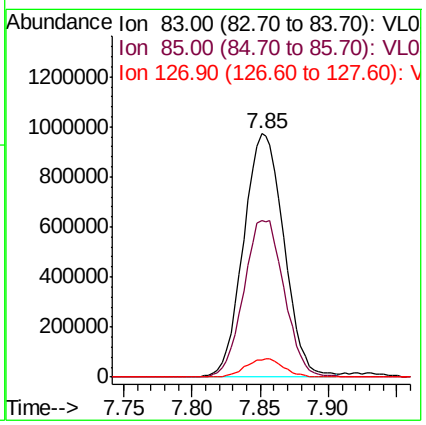


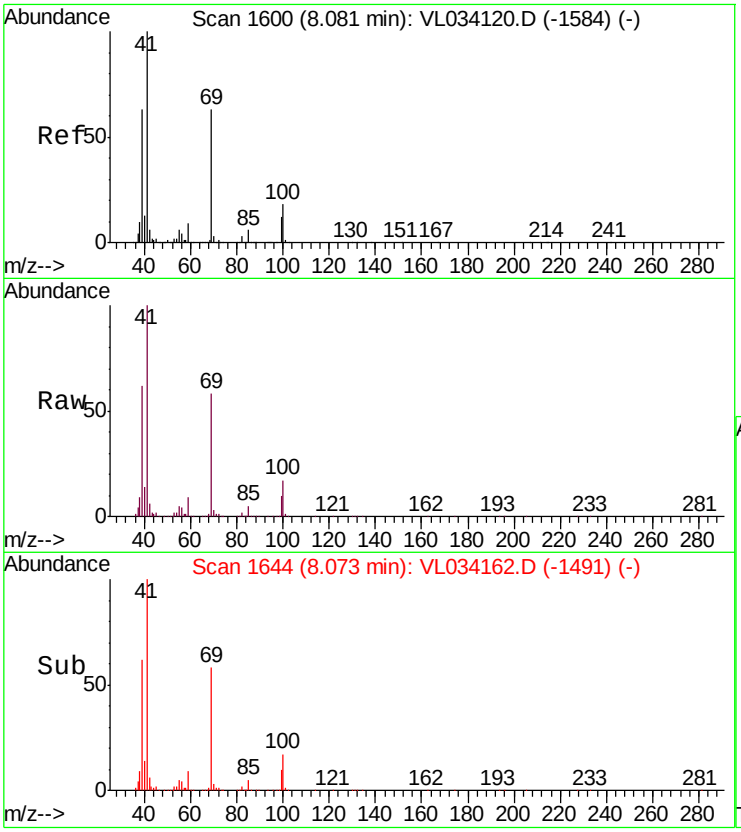


#42
Bromodichloromethane
Concen: 9.766 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 83 Resp: 1992020

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	7.2	5.4	8.0



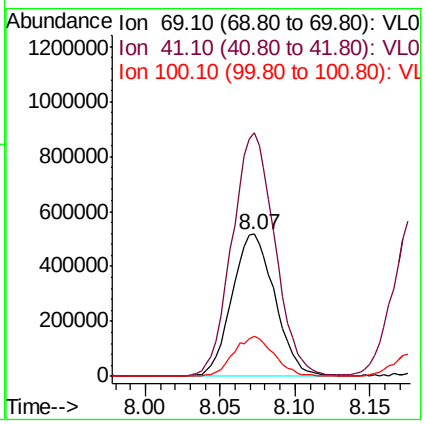


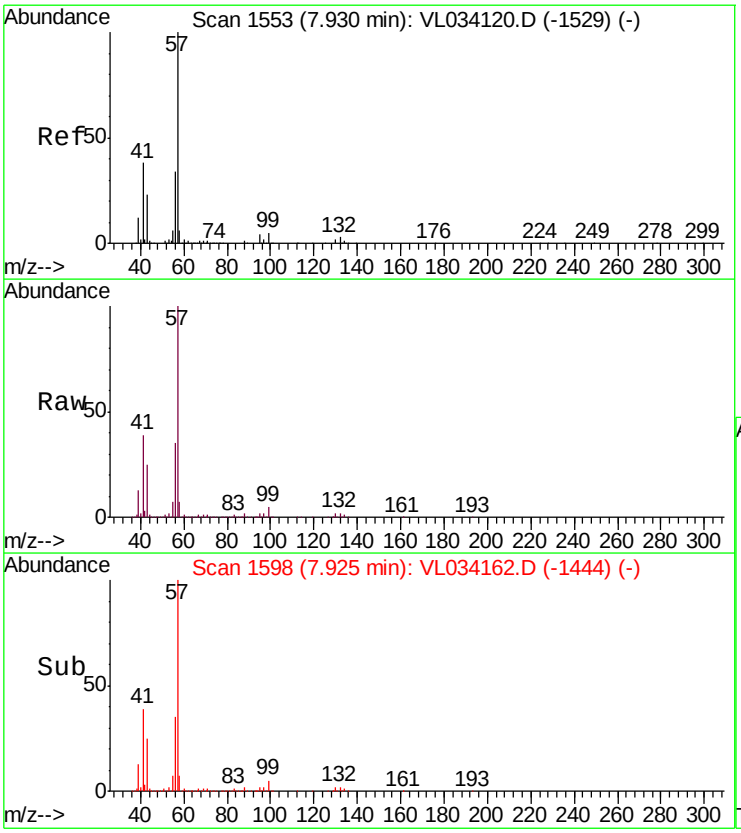
#43
Methyl Methacrylate
Concen: 9.796 ppbv
RT: 8.07 min Scan# 1644
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 69 Resp: 1029576

Ion	Ratio	Lower	Upper
69	100		
41	170.9	131.0	196.6
100	27.1	22.6	33.8

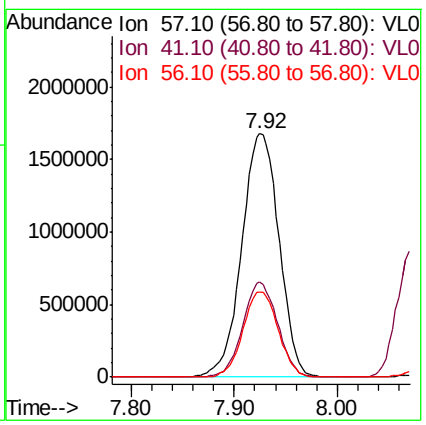


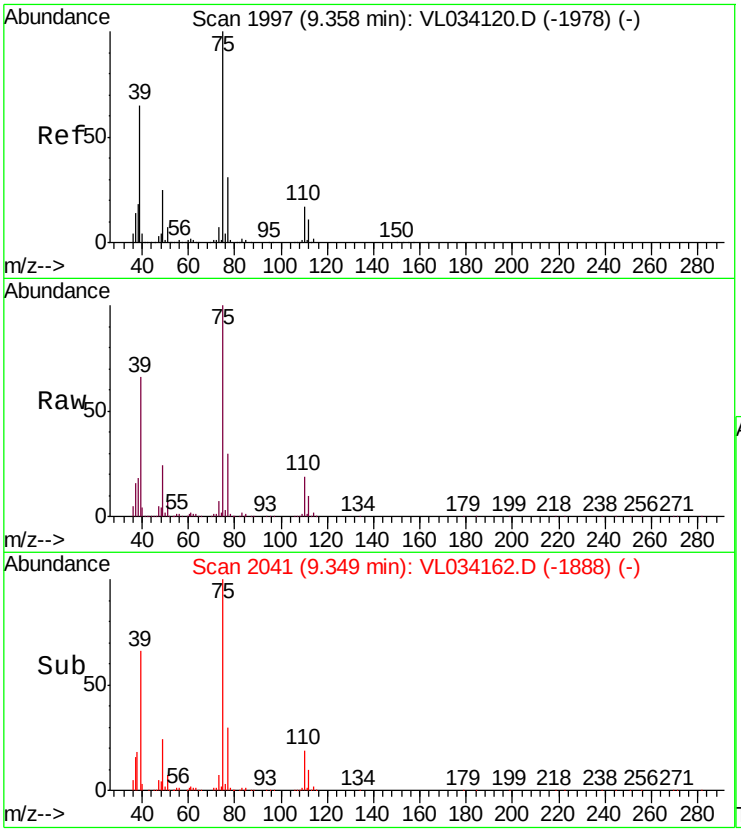


#44
2,2,4-Trimethylpentane
Concen: 8.963 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 57 Resp: 4215967

Ion	Ratio	Lower	Upper
57	100		
41	36.4	28.4	42.6
56	33.0	26.3	39.5



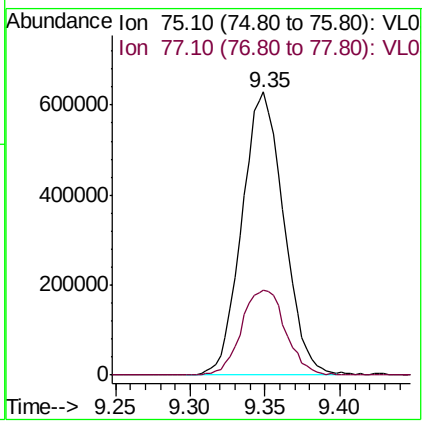


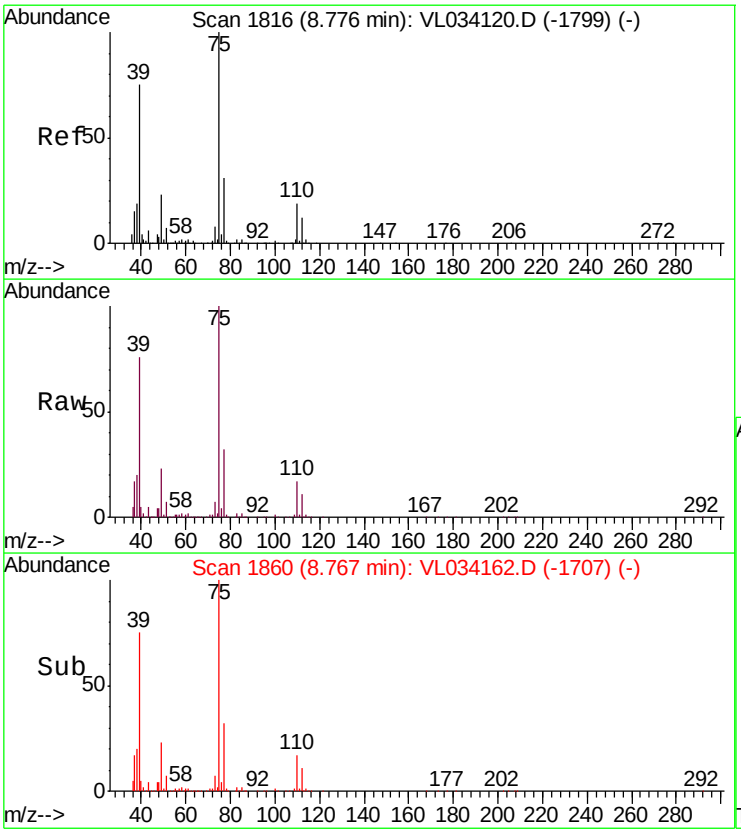
#45
t-1,3-Dichloropropene
Concen: 9.928 ppbv
RT: 9.35 min Scan# 2041
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 75 Resp: 1226343

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.6	36.8

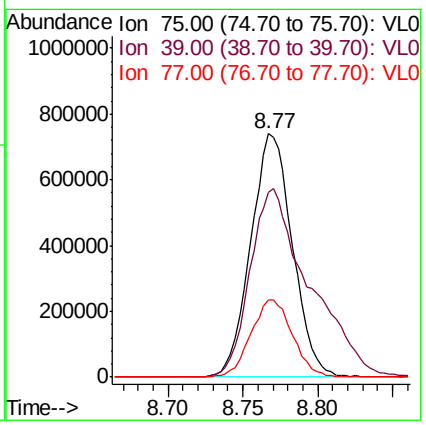


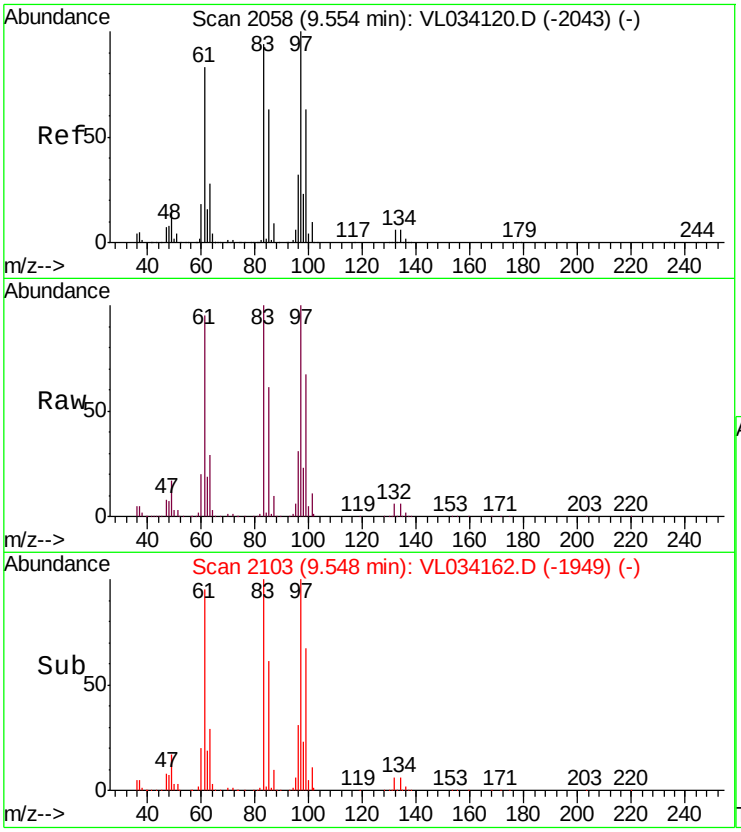


#46
cis-1,3-Dichloropropene
Concen: 9.531 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 75 Resp: 1432304

Ion	Ratio	Lower	Upper
75	100		
39	75.7	60.0	90.0
77	31.9	24.8	37.2



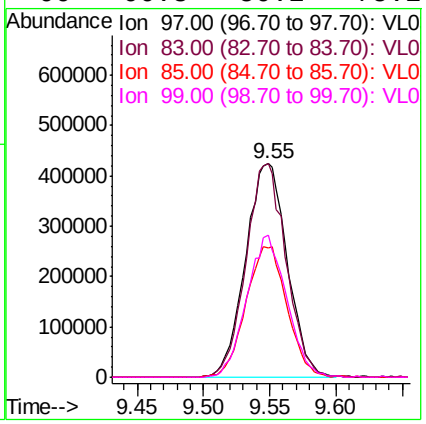


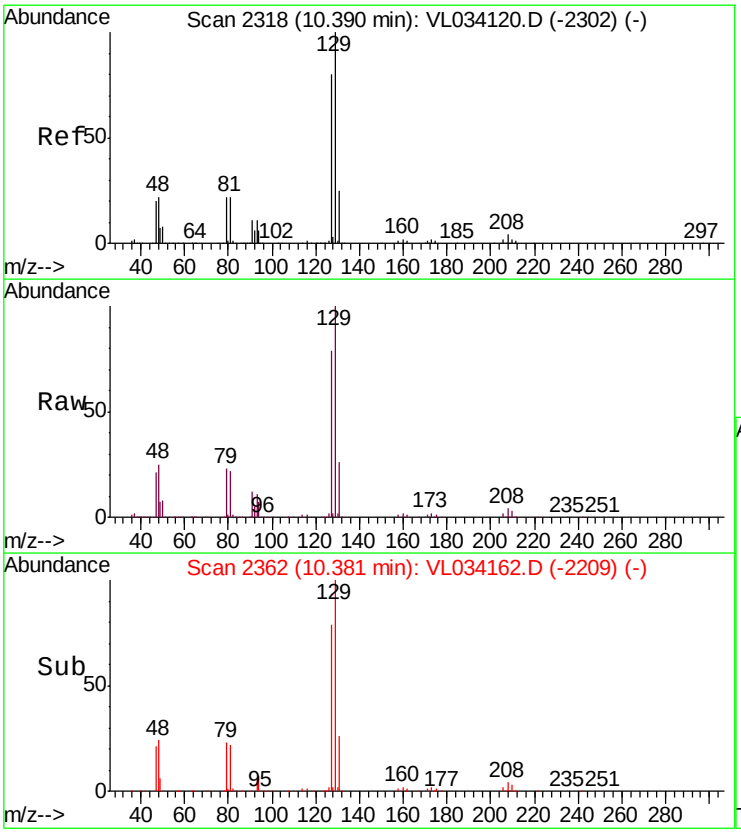
#47
1,1,2-Trichloroethane
Concen: 9.348 ppbv
RT: 9.55 min Scan# 2103
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 97 Resp: 929873

Ion	Ratio	Lower	Upper
97	100		
83	99.9	74.9	112.3
85	60.7	50.6	75.8
99	66.8	50.2	75.2

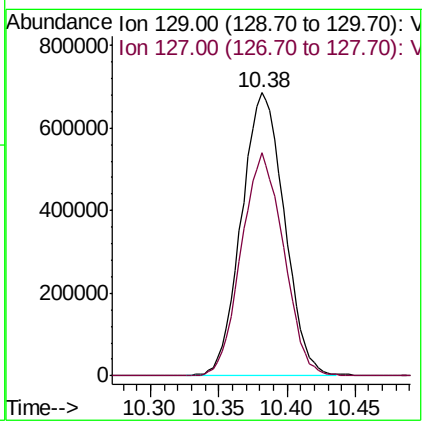


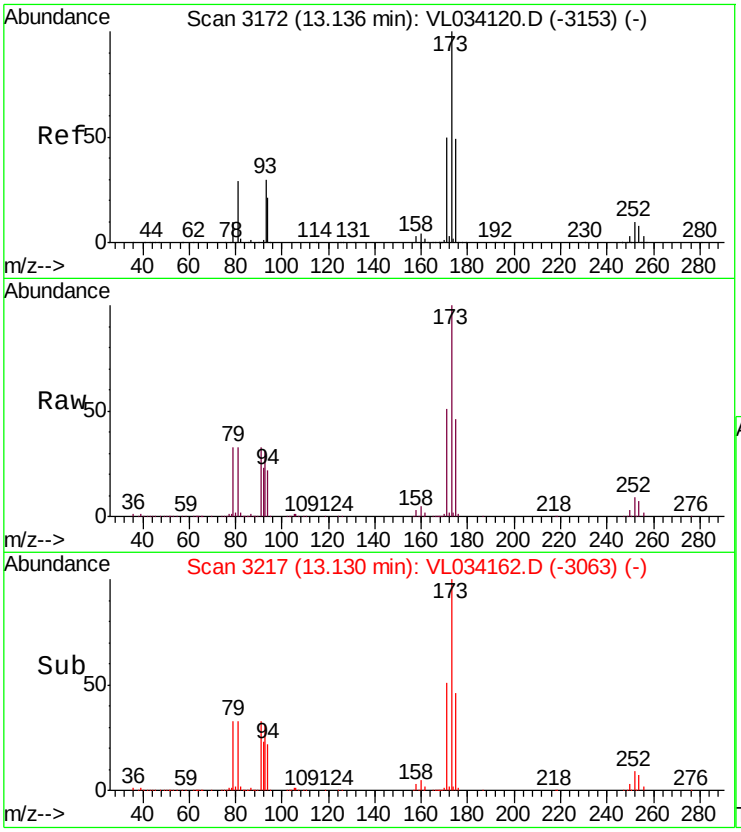


#48
Dibromochloromethane
Concen: 10.081 ppbv
RT: 10.38 min Scan# 2362
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:129 Resp: 1496238

Ion	Ratio	Lower	Upper
129	100		
127	78.0	40.2	120.6



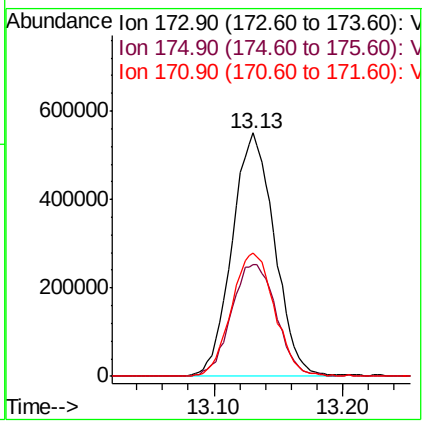


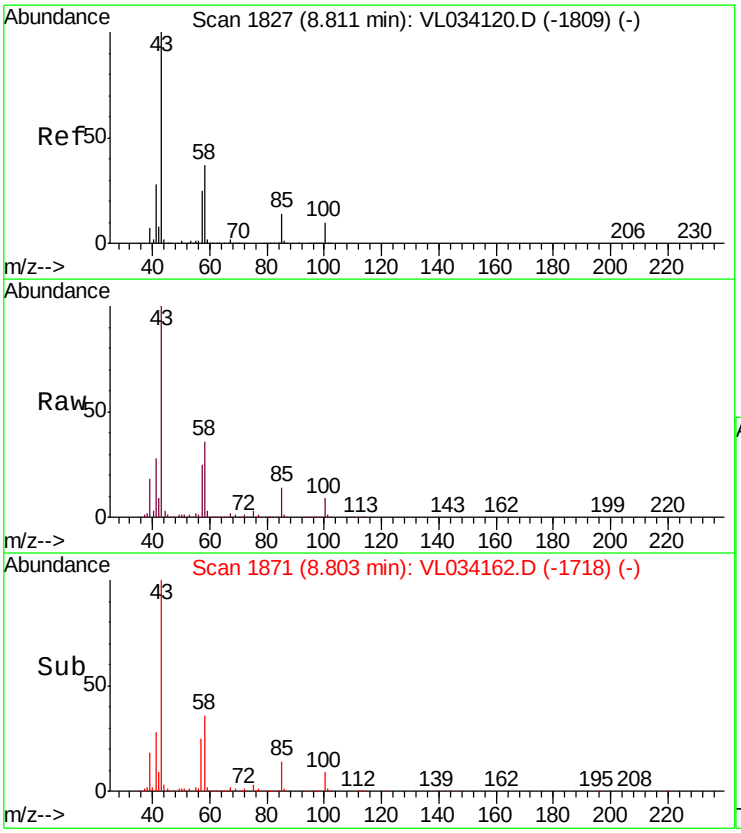
#49
Bromoform
Concen: 9.604 ppbv
RT: 13.13 min Scan# 3217
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion:173 Resp: 1249772

Ion	Ratio	Lower	Upper
173	100		
175	49.7	40.0	60.0
171	52.1	42.2	63.2

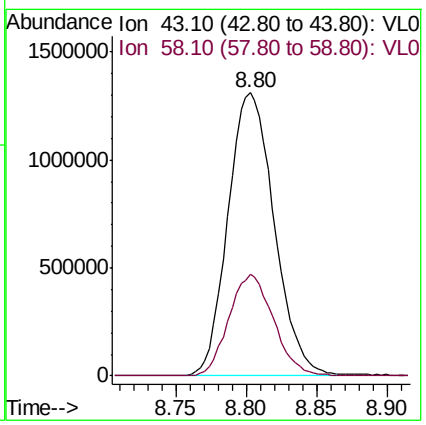


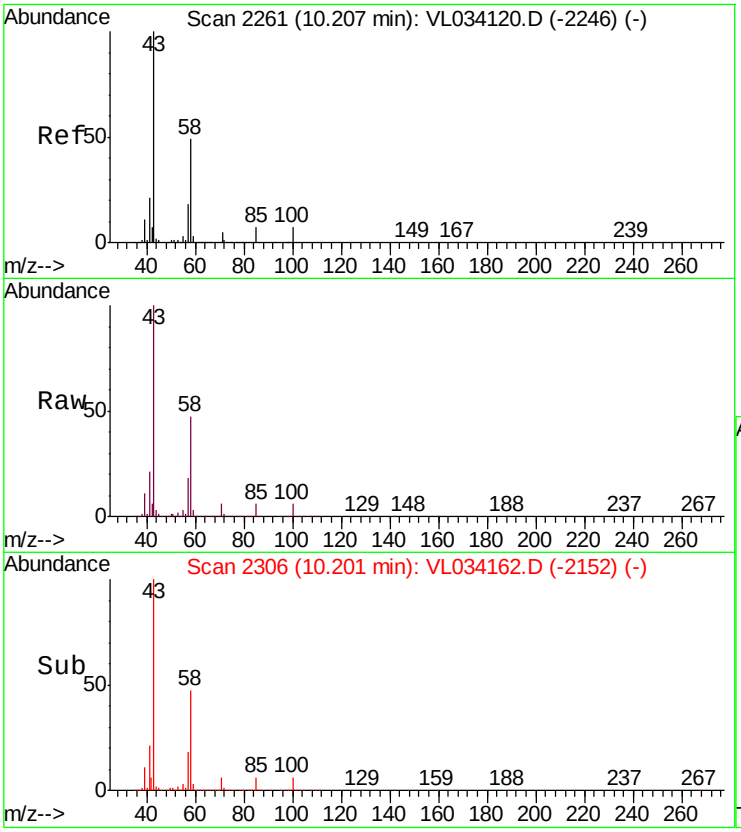


#50
4-Methyl-2-Pentanone
Concen: 9.150 ppbv
RT: 8.80 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 43 Resp: 2995993

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.5	42.7



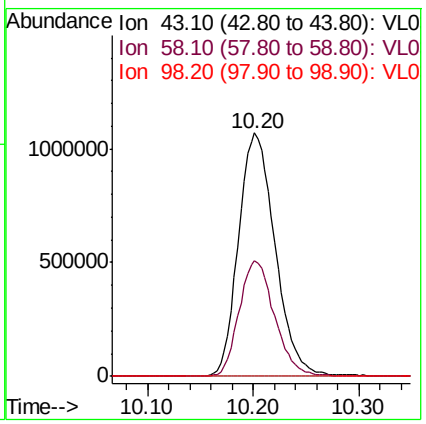


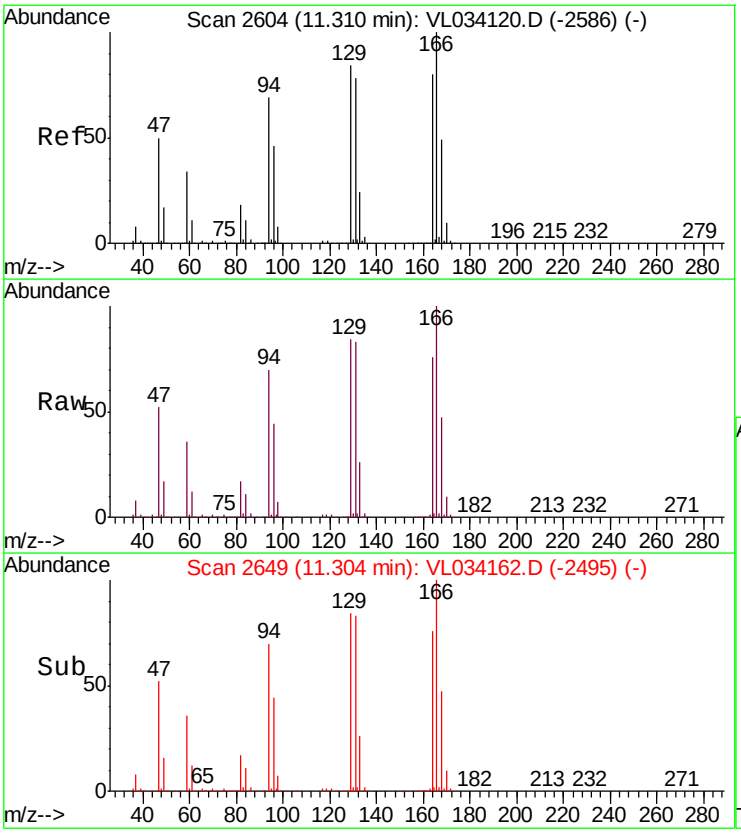
#51
2-Hexanone
Concen: 9.119 ppbv
RT: 10.20 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 43 Resp: 2579408

Ion	Ratio	Lower	Upper
43	100		
58	46.2	38.2	57.2
98	0.1	0.1	0.1#

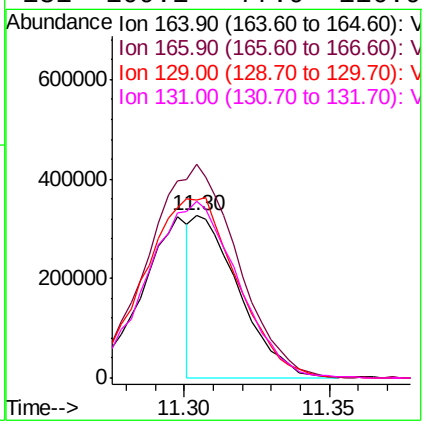


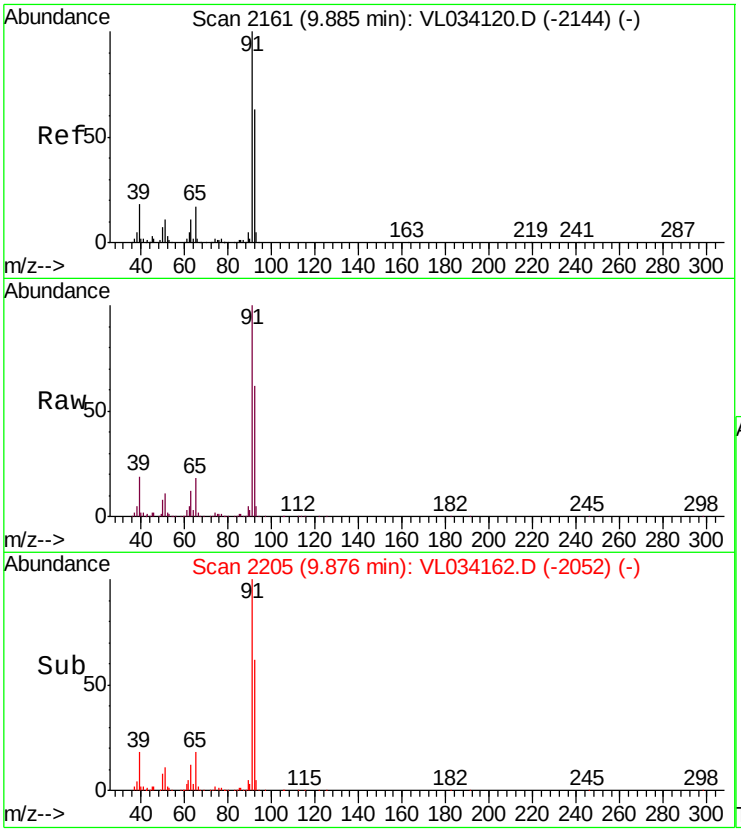


#52
Tetrachloroethene
Concen: 4.023 ppbv
RT: 11.30 min Scan# 2649
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:164 Resp: 361950

Ion	Ratio	Lower	Upper
164	100		
166	131.2	99.5	149.3
129	109.5	83.6	125.4
131	109.1	77.9	116.9



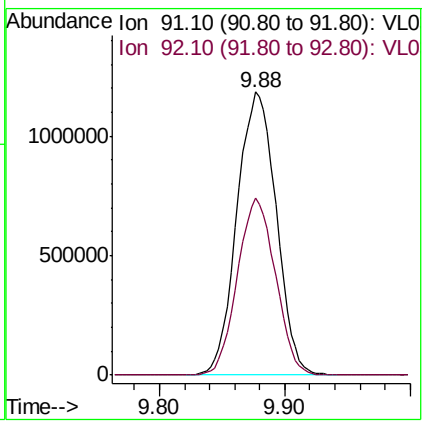


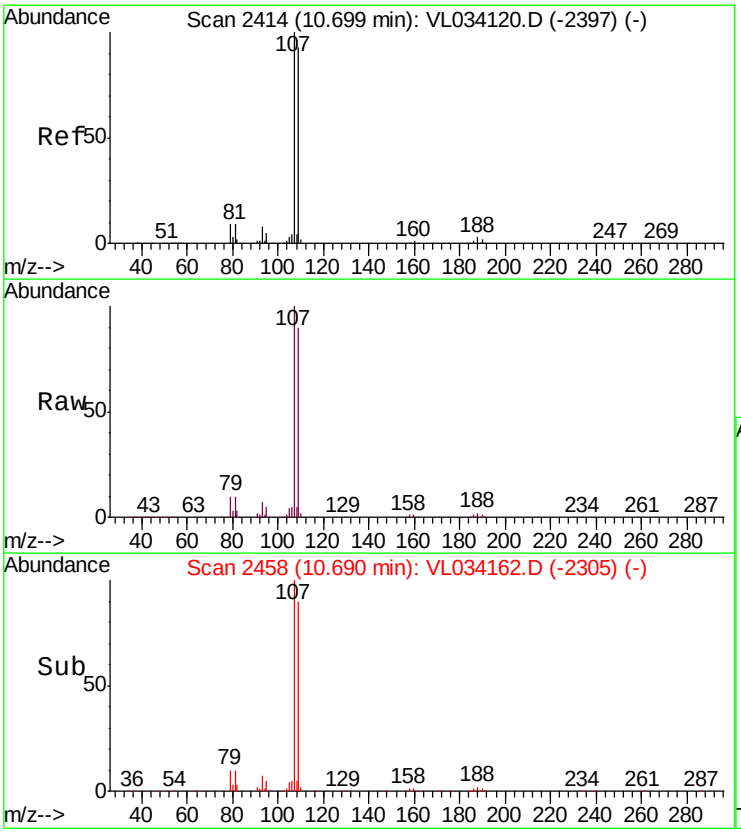
#53
Toluene
Concen: 9.150 ppbv
RT: 9.88 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 91 Resp: 2581834

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.3	73.9

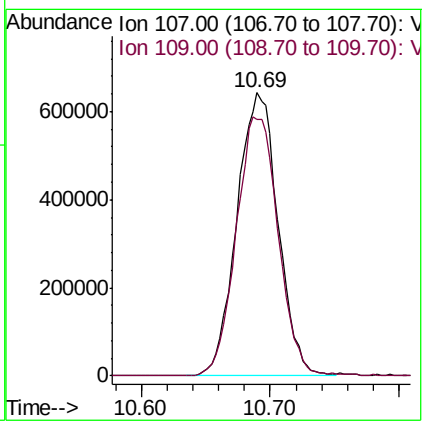


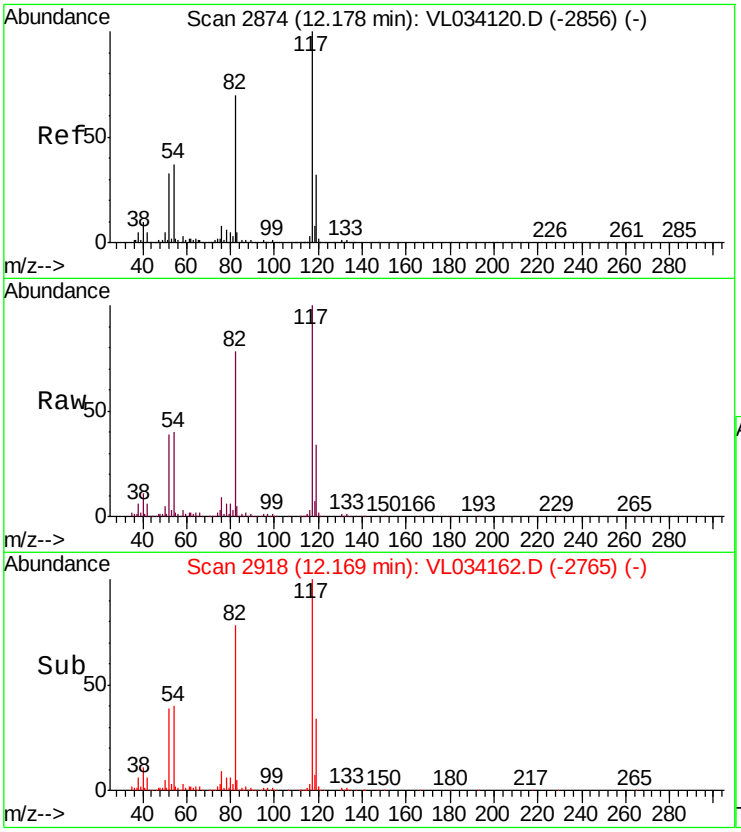


#54
1,2-Dibromoethane
Concen: 9.616 ppbv
RT: 10.69 min Scan# 2458
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:107 Resp: 1424924

Ion	Ratio	Lower	Upper
107	100		
109	90.3	74.5	111.7



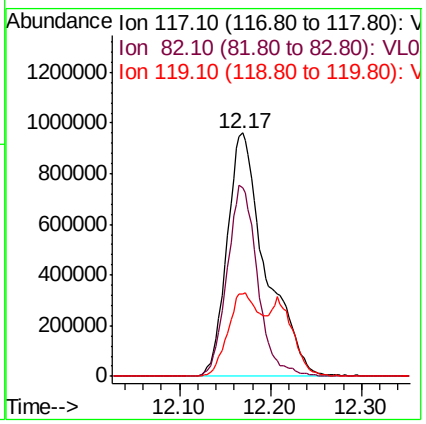


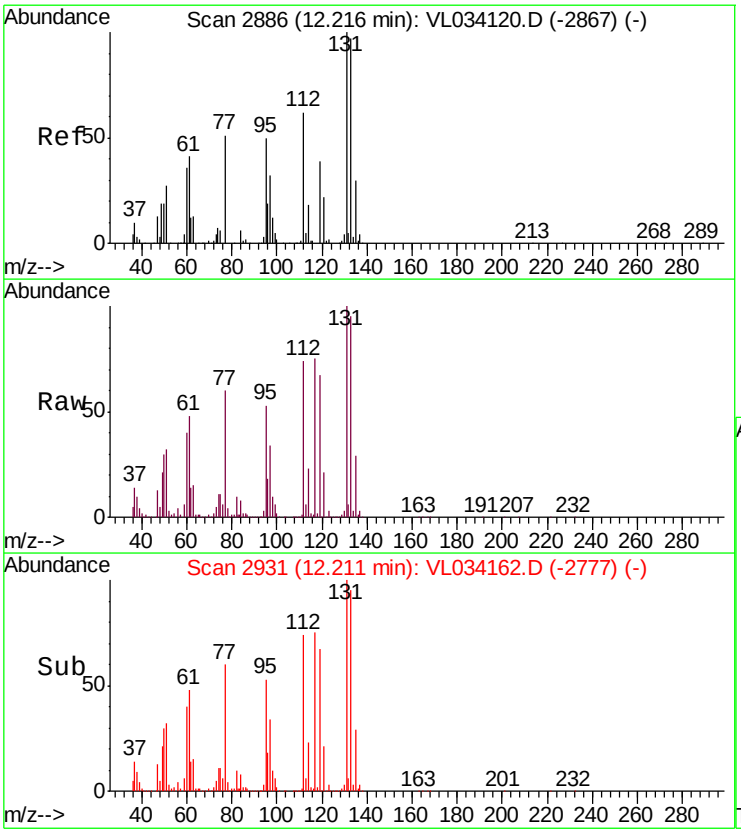
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion:117 Resp: 2835740

Ion	Ratio	Lower	Upper
117	100		
82	62.3	55.8	83.6
119	30.4	43.1	64.7#

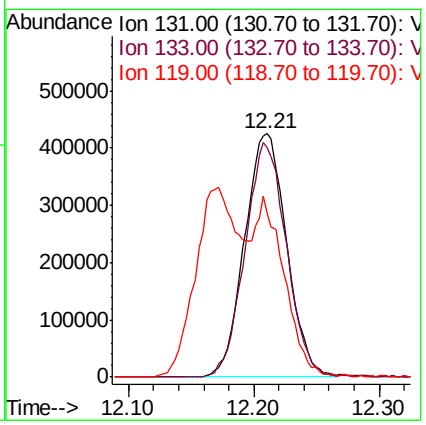


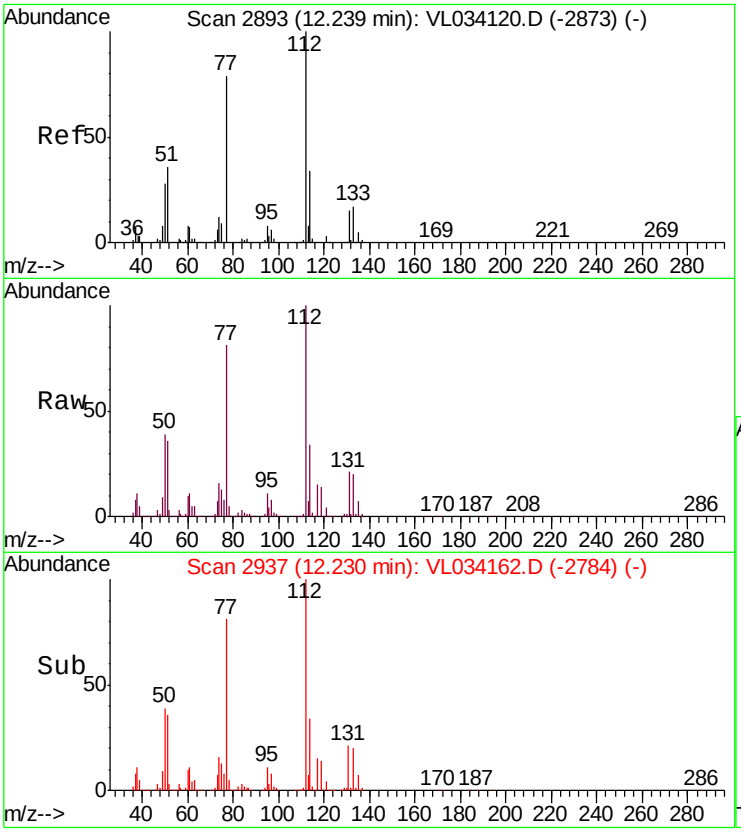


#56
1,1,1,2-Tetrachloroethane
Concen: 8.157 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:131 Resp: 992078

Ion	Ratio	Lower	Upper
131	100		
133	95.5	75.8	113.6
119	60.1	114.7	172.1#



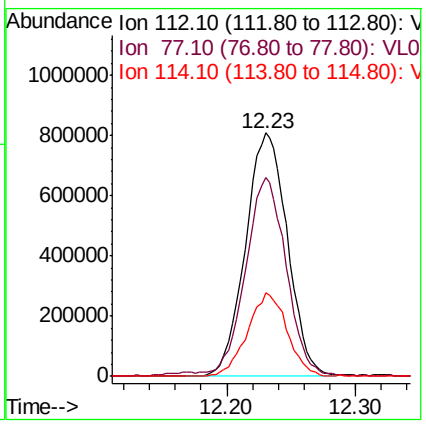


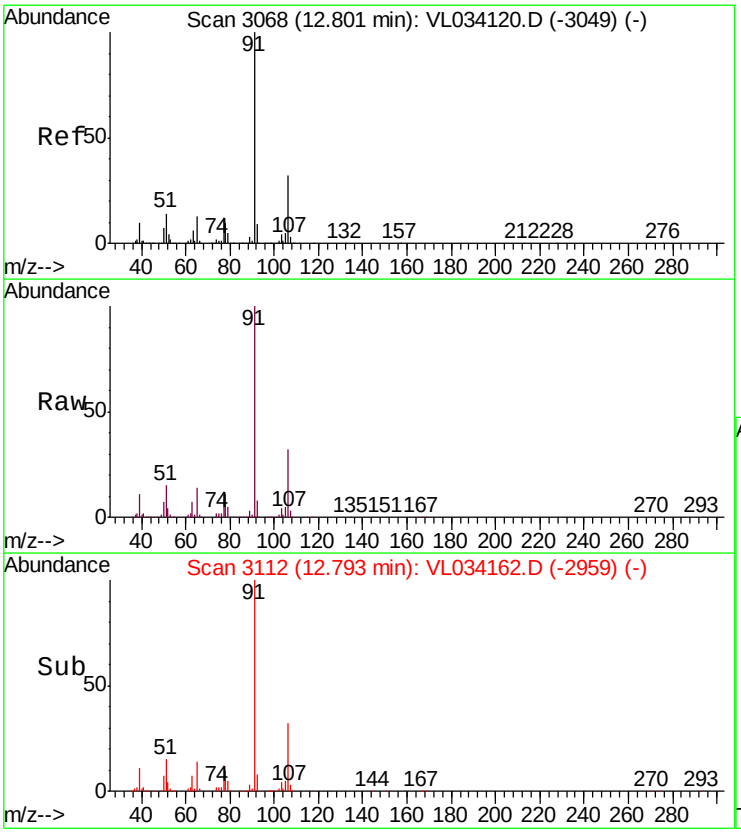
#57
Chlorobenzene
Concen: 7.503 ppbv
RT: 12.23 min Scan# 2937
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion:112 Resp: 1830304

Ion	Ratio	Lower	Upper
112	100		
77	80.5	64.4	96.6
114	34.0	30.3	37.1

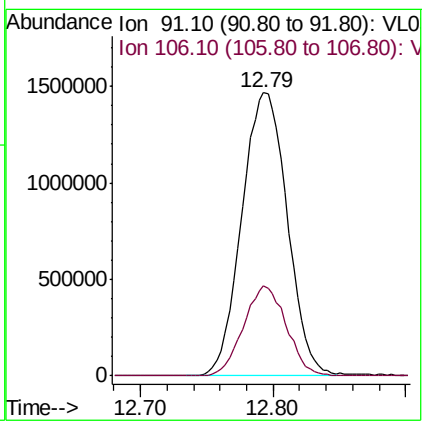


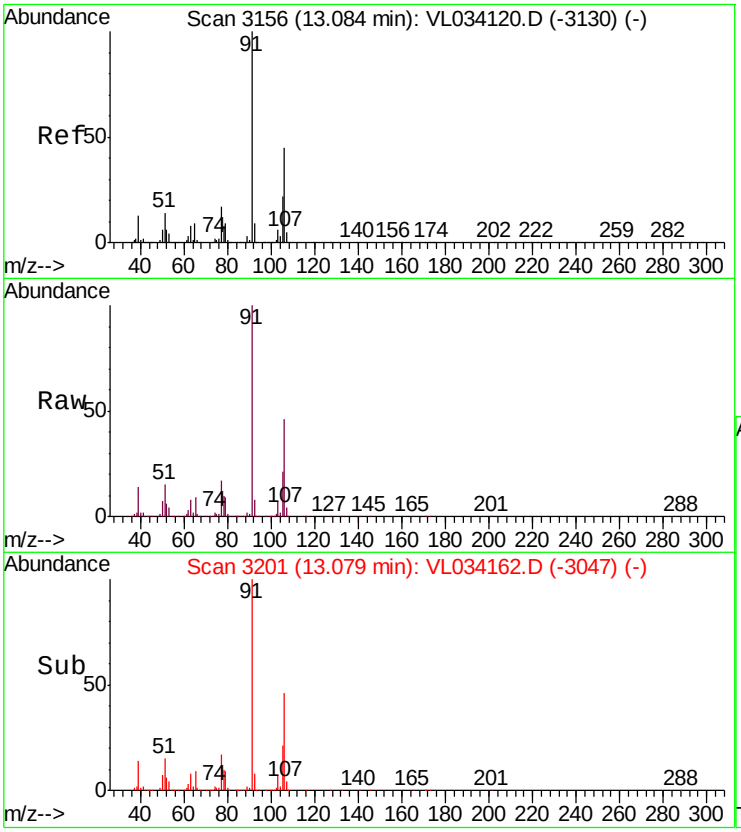


#58
Ethyl Benzene
Concen: 7.511 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 91 Resp: 3492793

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.3	37.9



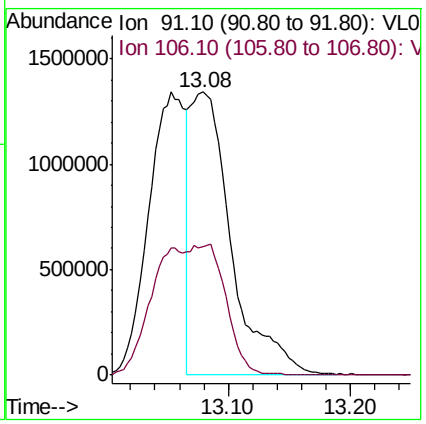


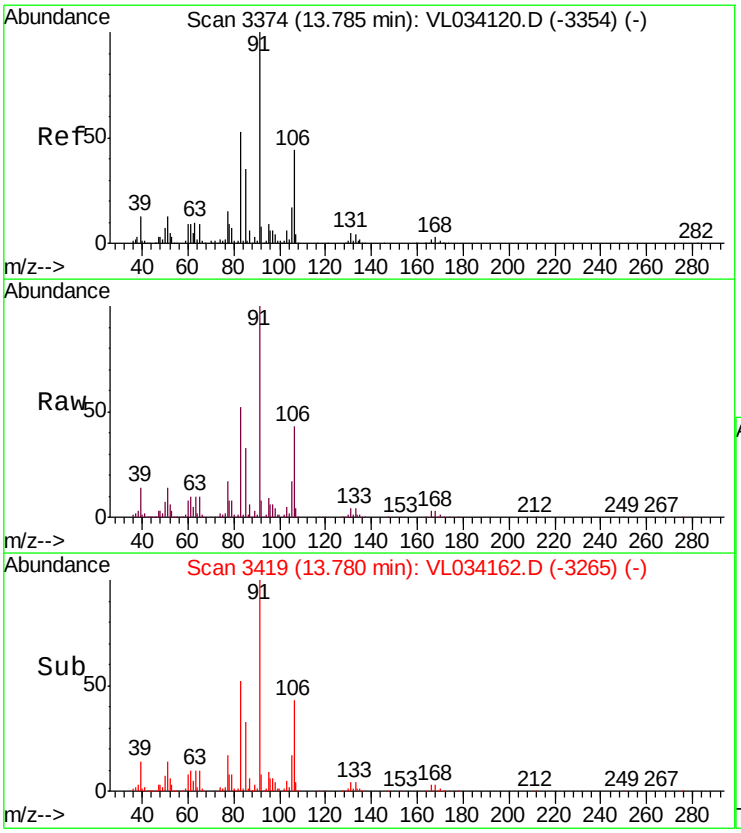
#59
m/p-Xylene
Concen: 8.133 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 91 Resp: 3084867

Ion	Ratio	Lower	Upper
91	100		
106	81.5	35.4	53.2#

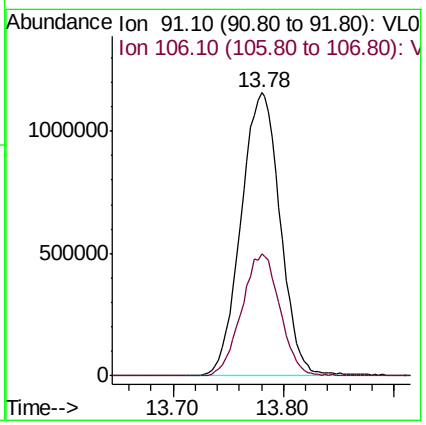


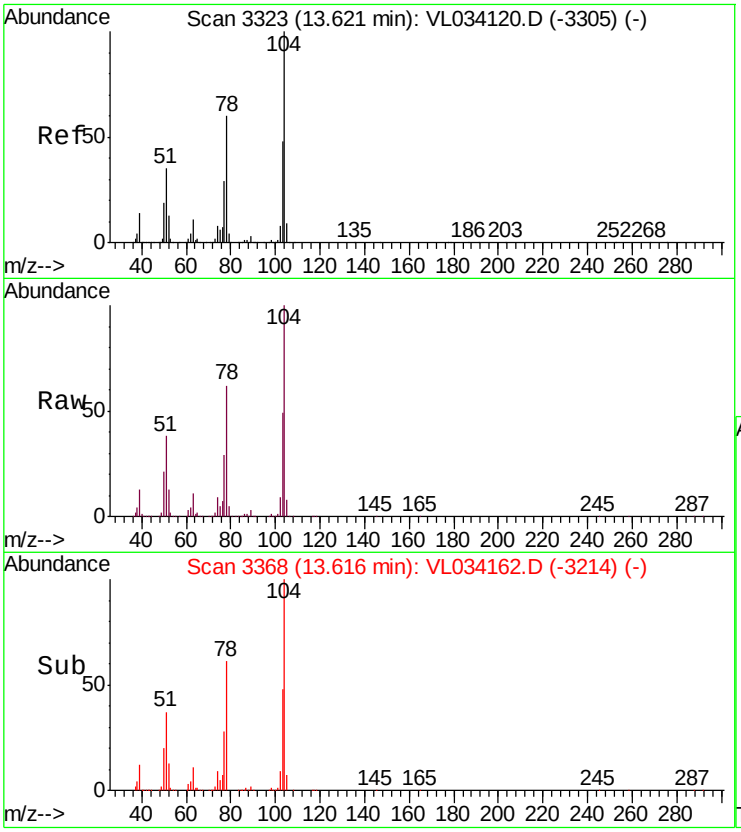


#60
o-Xylene
Concen: 7.531 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 91 Resp: 2845334

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.4	64.3



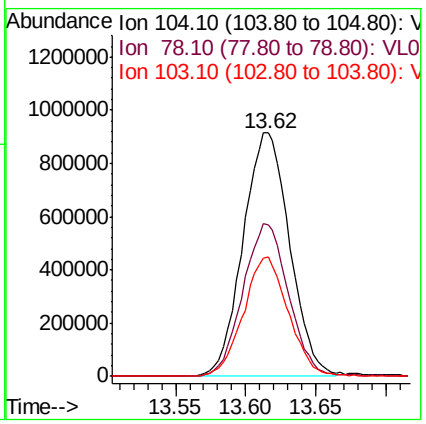


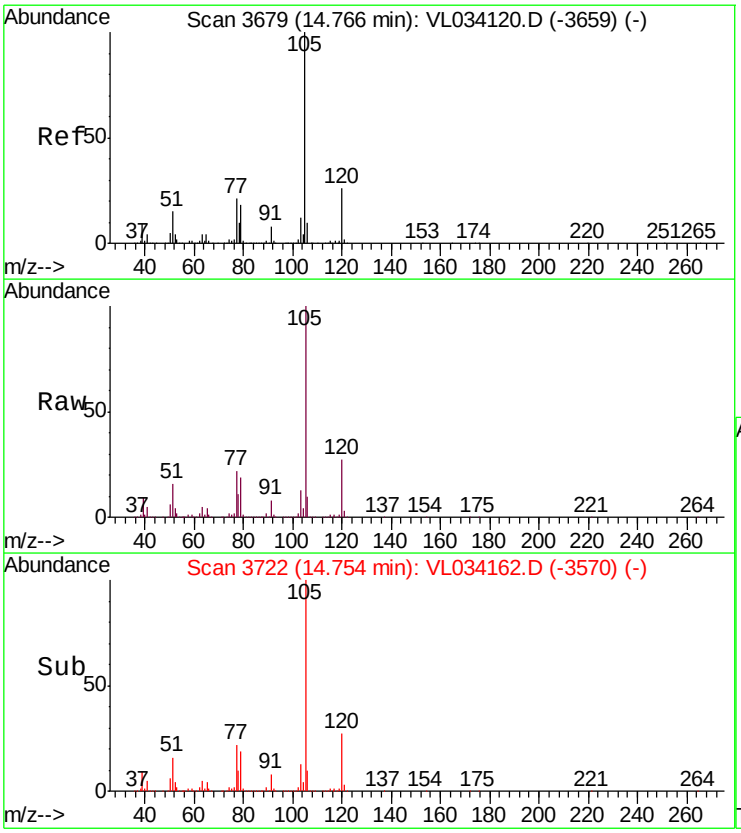
#61
Styrene
Concen: 7.470 ppbv
RT: 13.62 min Scan# 3368
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:104 Resp: 2111141

Ion	Ratio	Lower	Upper
104	100		
78	61.9	47.8	71.6
103	47.6	38.7	58.1

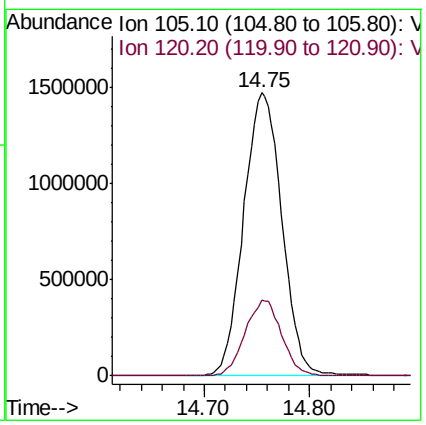


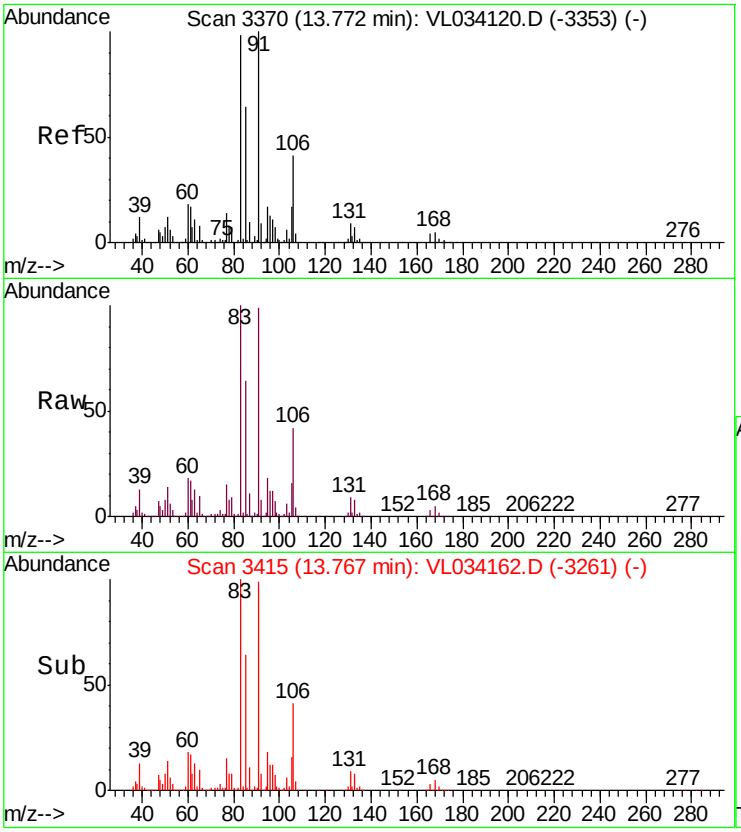


#62
Isopropylbenzene
Concen: 7.527 ppbv
RT: 14.75 min Scan# 3722
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:105 Resp: 3700034

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.6	31.0



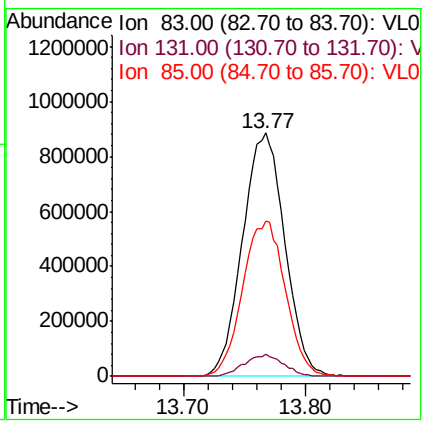


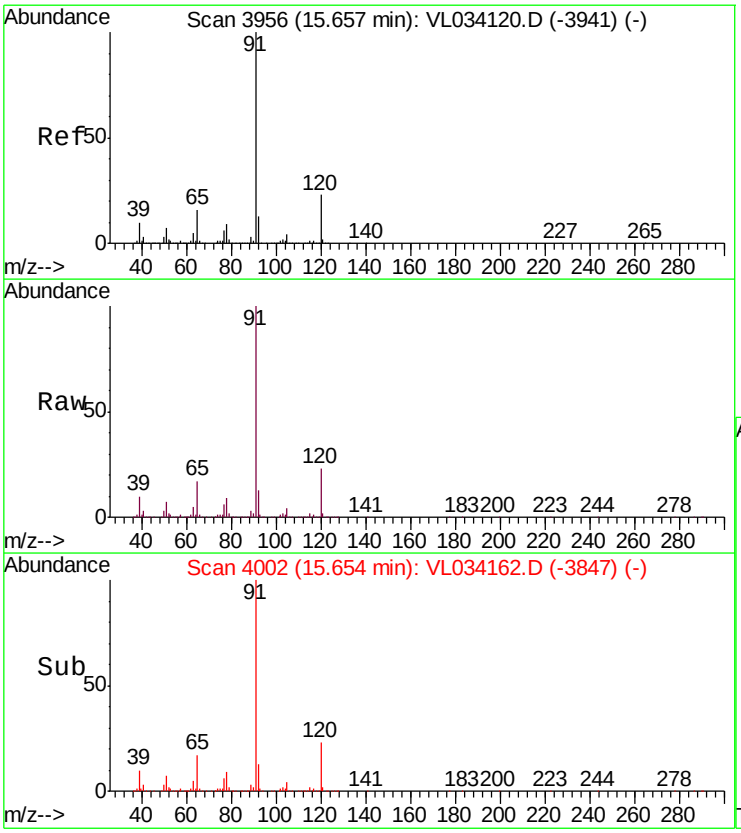
#63
1,1,2,2-Tetrachloroethane
Concen: 6.878 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion: 83 Resp: 2117581

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.7	32.5	97.5

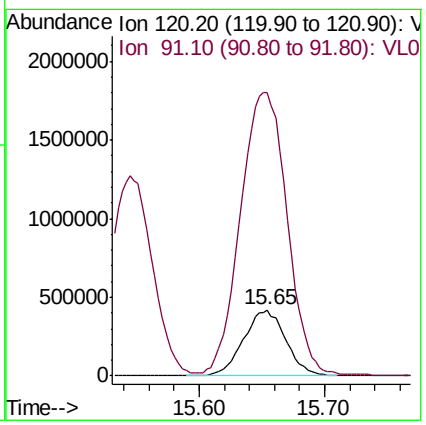


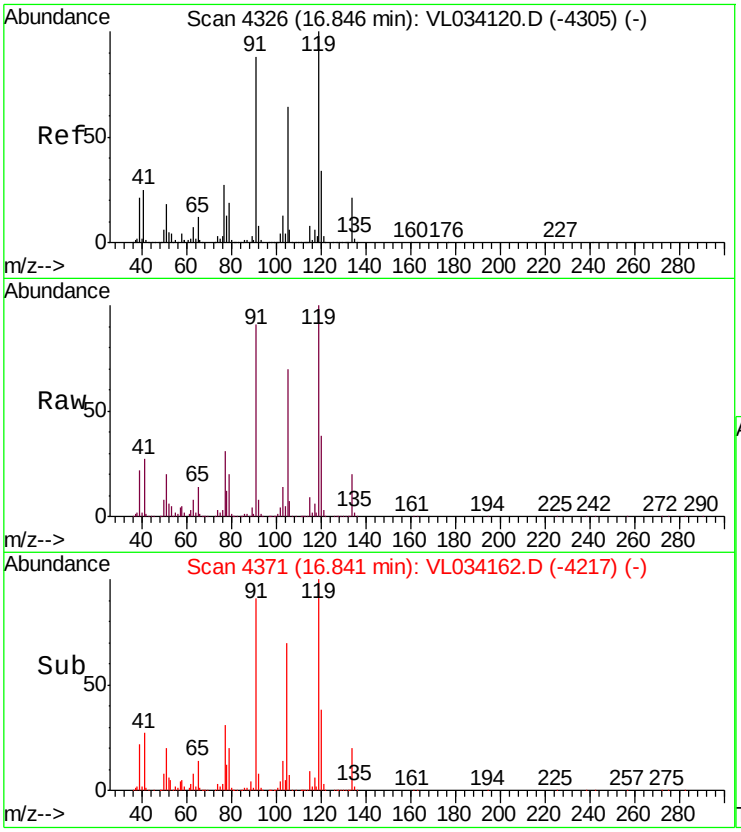


#64
n-propylbenzene
Concen: 7.930 ppbv
RT: 15.65 min Scan# 4002
Delta R.T. -0.00 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:120 Resp: 976519

Ion	Ratio	Lower	Upper
120	100		
91	479.1	376.8	565.2



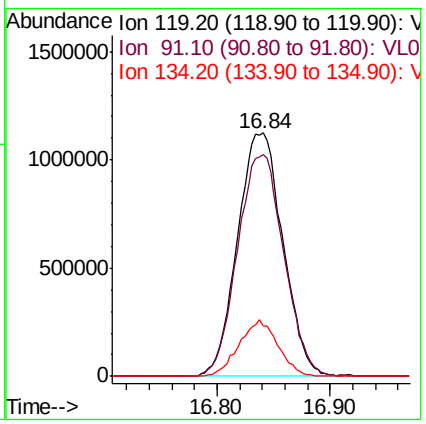


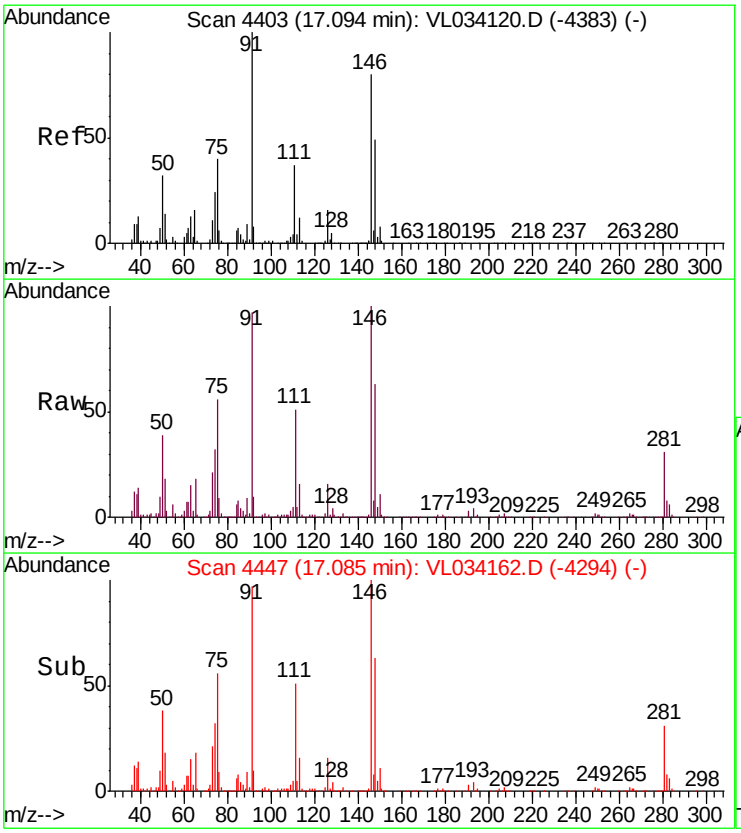
#65
tert-Butylbenzene
Concen: 7.395 ppbv
RT: 16.84 min Scan# 4371
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion:119 Resp: 3137297

Ion	Ratio	Lower	Upper
119	100		
91	93.1	72.8	109.2
134	20.0	15.8	23.8

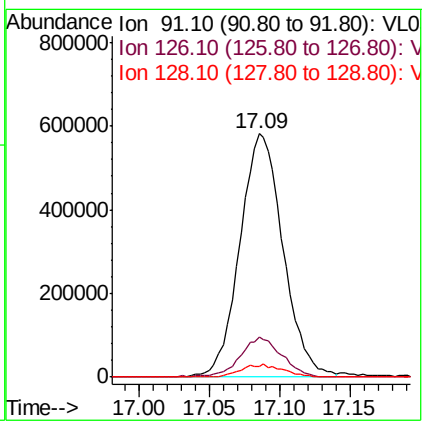


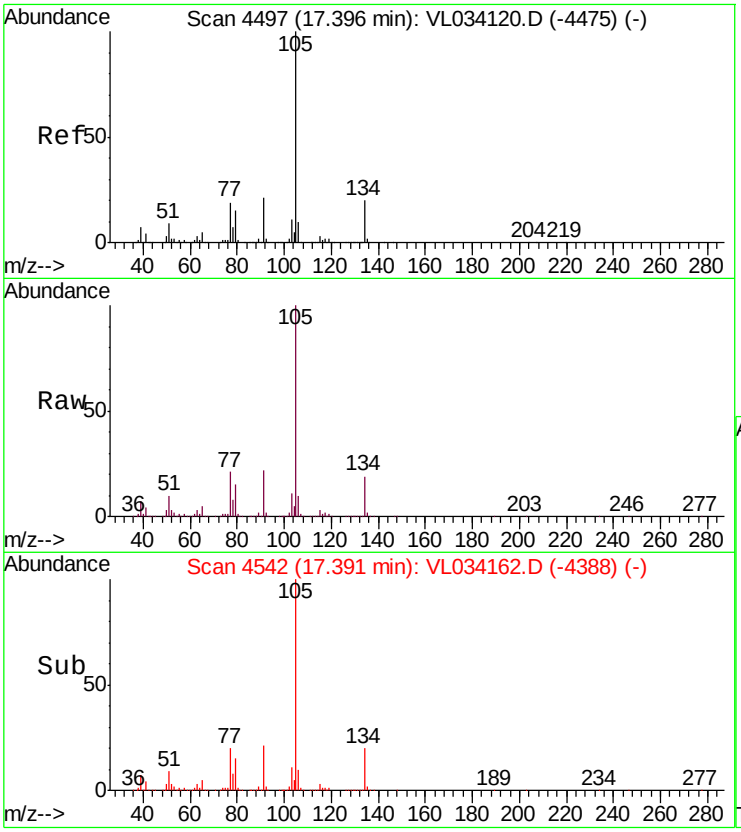


#66
Benzyl Chloride
Concen: 7.912 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 91 Resp: 1237479

Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.7	20.5
128	5.1	4.2	6.4



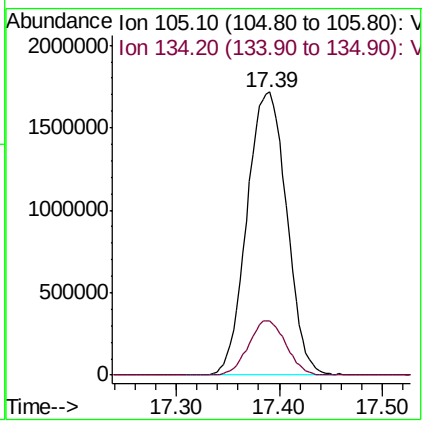


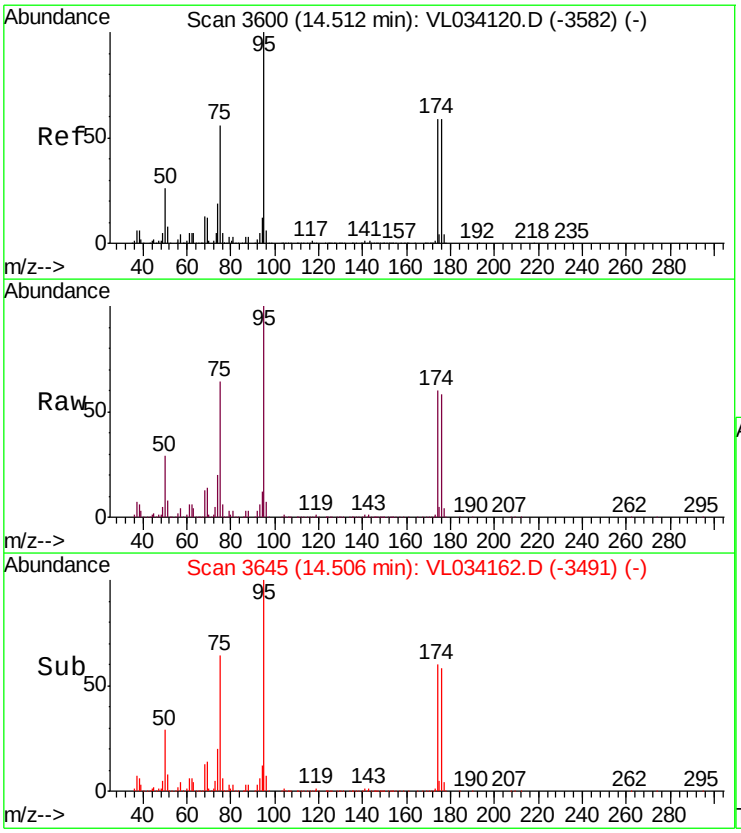
#67
sec-Butylbenzene
Concen: 7.516 ppbv
RT: 17.39 min Scan# 4542
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion:105 Resp: 4584957

Ion	Ratio	Lower	Upper
105	100		
134	18.2	15.0	22.4

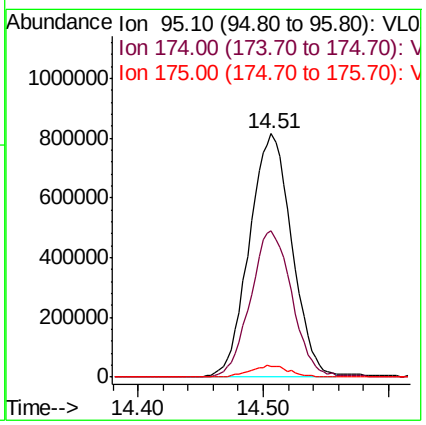


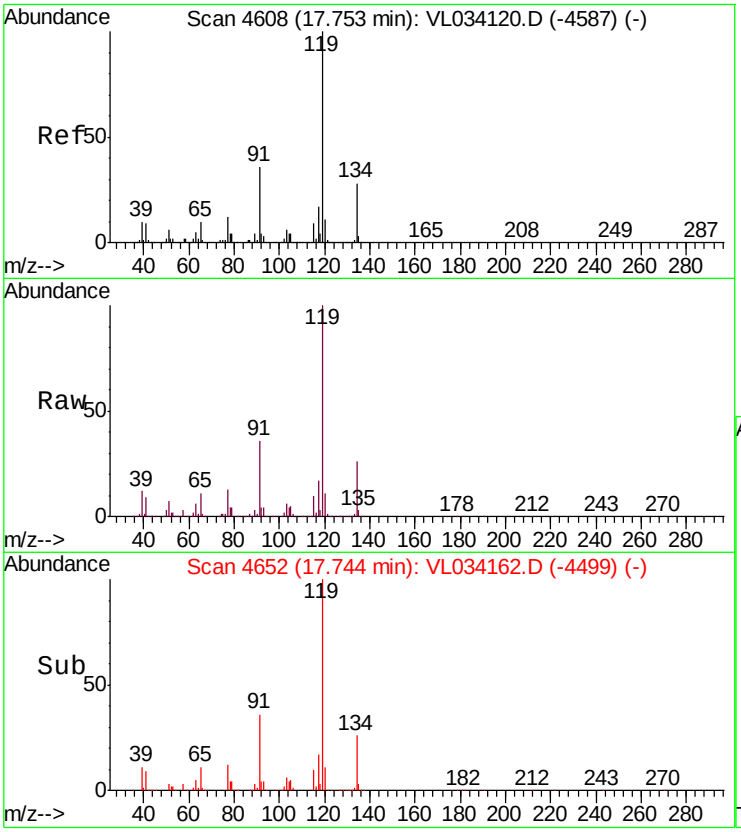


#68
1-Bromo-4-Fluorobenzene
Concen: 8.266 ppbv
RT: 14.51 min Scan# 3645
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 95 Resp: 1916339

Ion	Ratio	Lower	Upper
95	100		
174	59.2	48.1	72.1
175	4.4	3.5	5.3



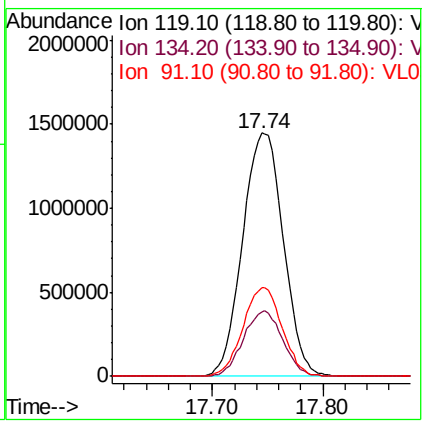


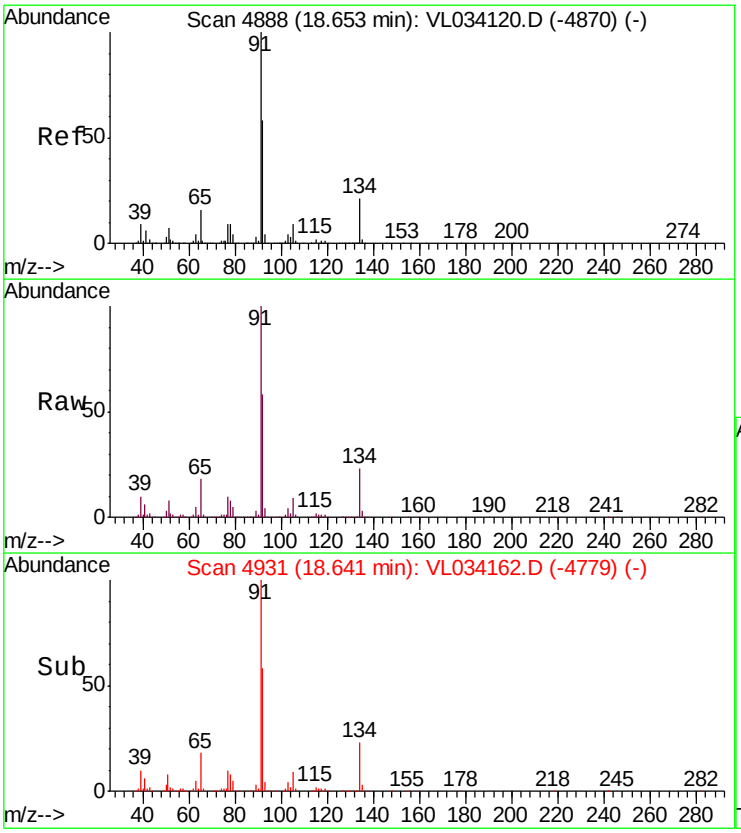
#69
p-Isopropyltoluene
Concen: 7.605 ppbv
RT: 17.74 min Scan# 4652
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:119 Resp: 3712039

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.8	31.2
91	35.0	27.2	40.8

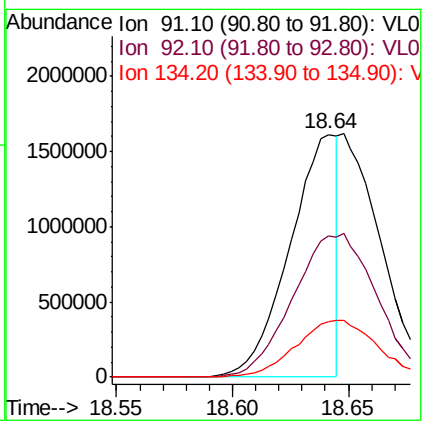


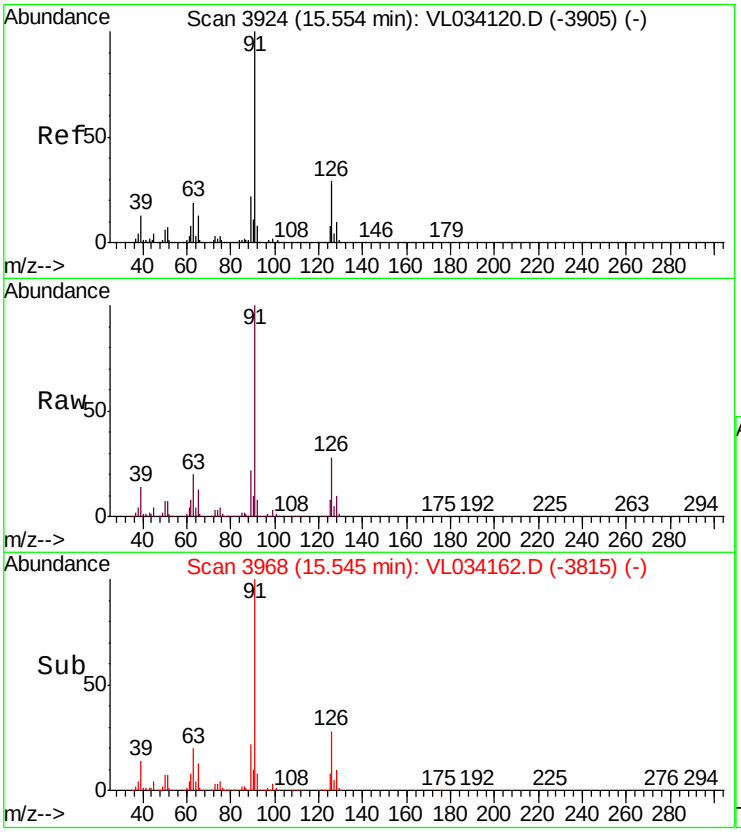


#70
n-Butylbenzene
Concen: 4.119 ppbv
RT: 18.64 min Scan# 4931
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion: 91 Resp: 2287809

Ion	Ratio	Lower	Upper
91	100		
92	0.0	45.3	67.9#
134	0.0	17.4	26.0#



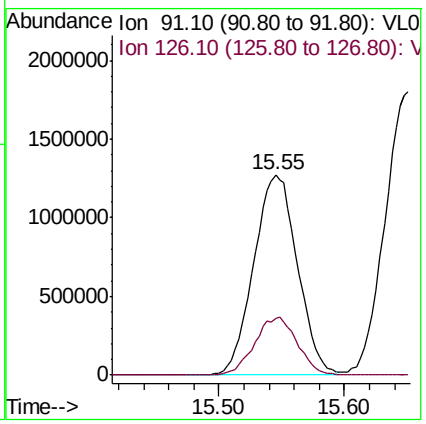


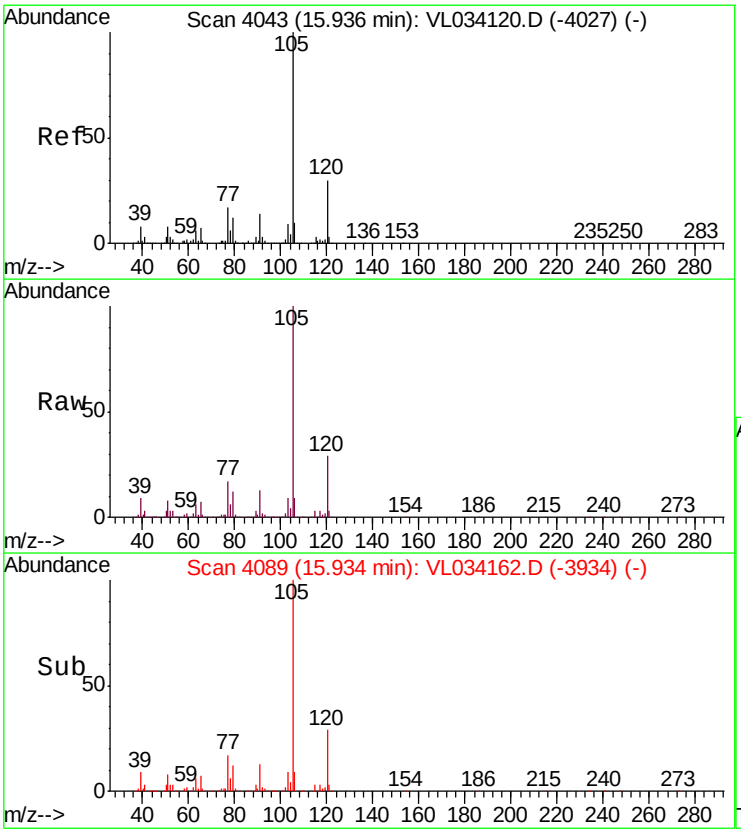
#71
2-Chlorotoluene
Concen: 7.681 ppbv
RT: 15.55 min Scan# 3968
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VL0912ABS01

Tgt Ion: 91 Resp: 3084591

Ion	Ratio	Lower	Upper
91	100		
126	28.5	11.4	45.4

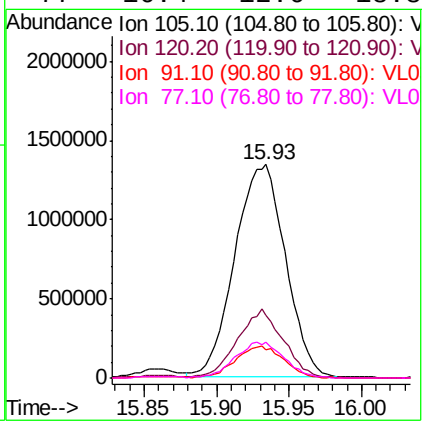


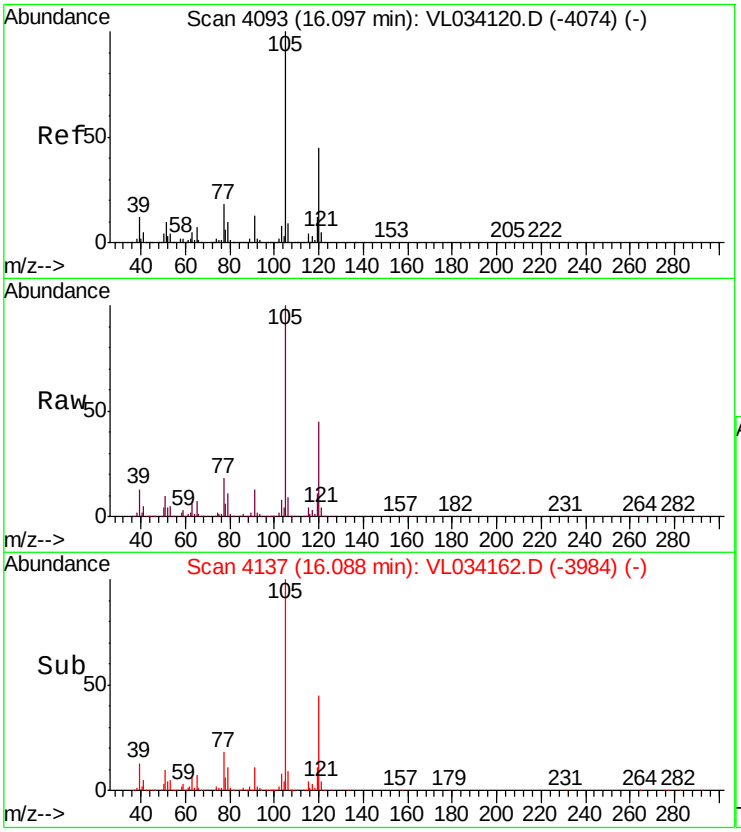


#72
4-Ethyltoluene
Concen: 7.624 ppbv
RT: 15.93 min Scan# 4089
Delta R.T. -0.00 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:105 Resp: 3250088

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.8	35.6
91	14.3	11.4	17.0
77	16.4	12.6	18.8



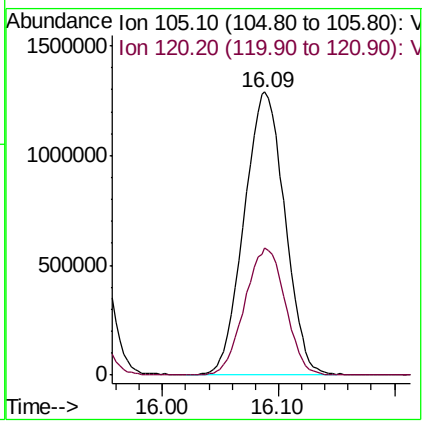


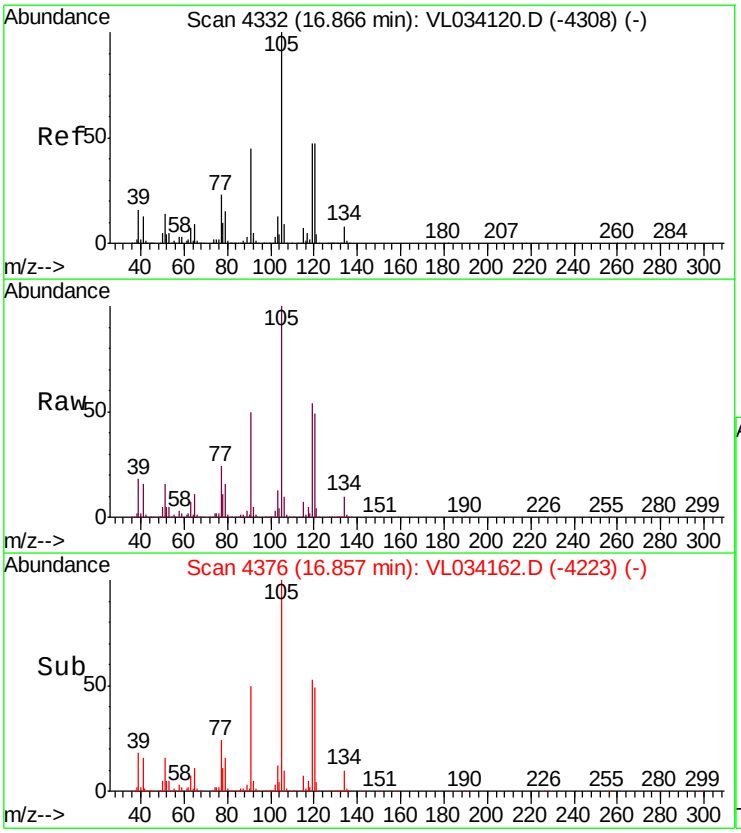
#73
1,3,5-Trimethylbenzene
Concen: 7.585 ppbv
RT: 16.09 min Scan# 4137
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:105 Resp: 3142459

Ion	Ratio	Lower	Upper
105	100		
120	44.8	35.8	53.8

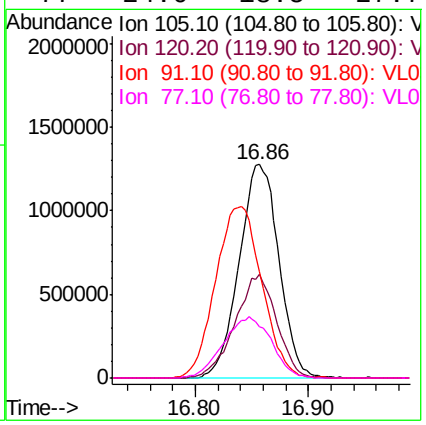


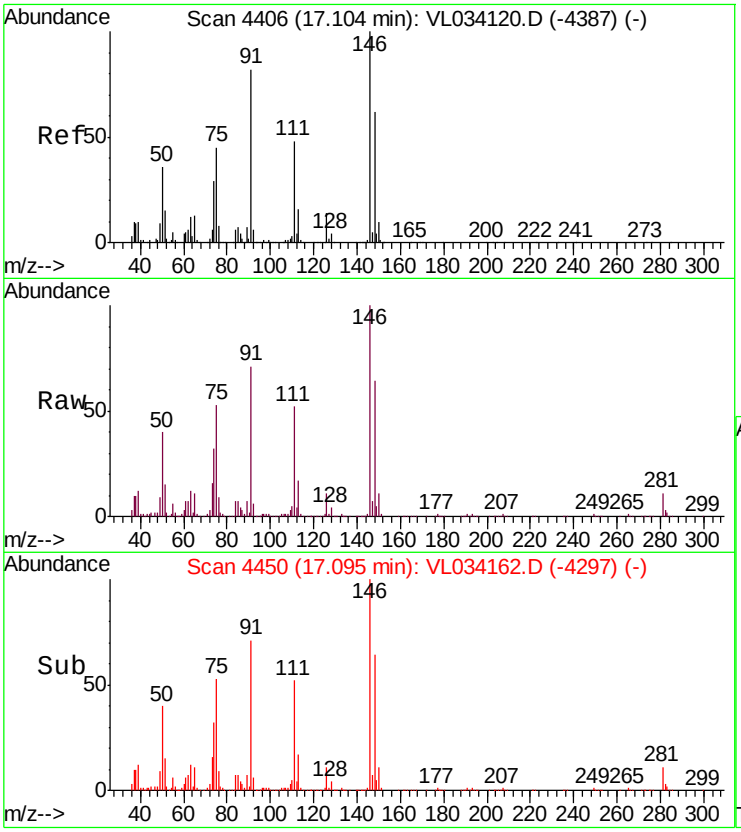


#74
1,2,4-Trimethylbenzene
Concen: 7.304 ppbv
RT: 16.86 min Scan# 4376
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:105 Resp: 3116131

Ion	Ratio	Lower	Upper
105	100		
120	48.4	37.7	56.5
91	49.7	36.2	54.2
77	24.0	18.5	27.7



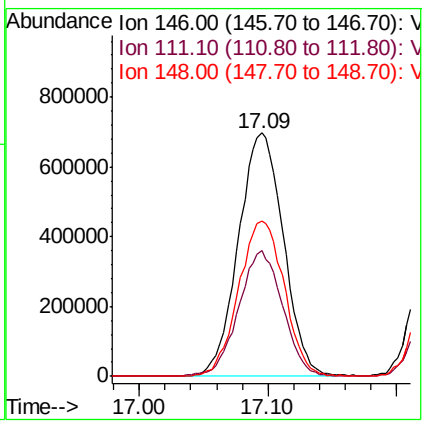


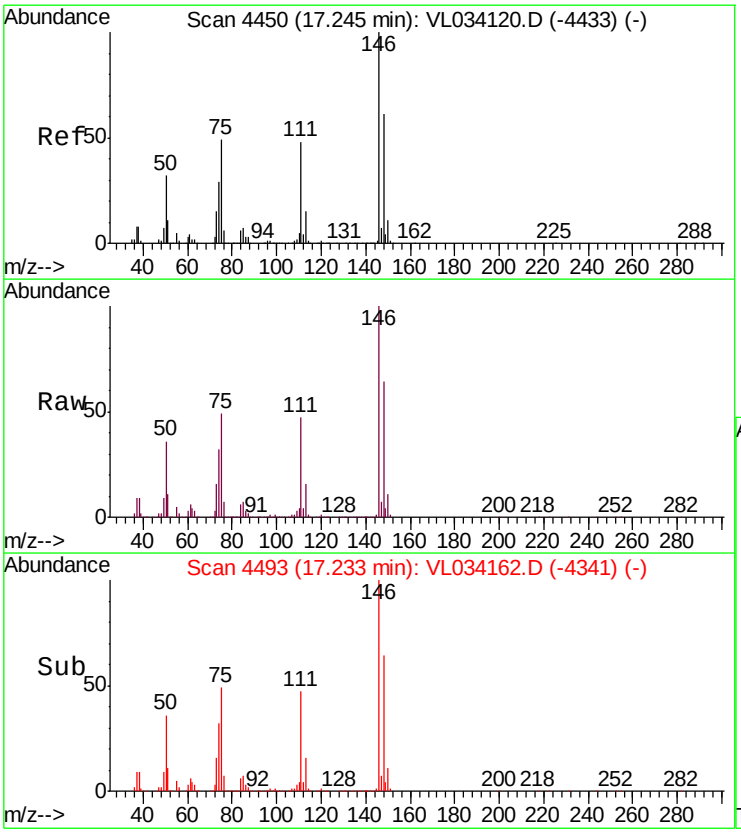
#75
1,3-Dichlorobenzene
Concen: 7.456 ppbv
RT: 17.09 min Scan# 4450
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:146 Resp: 1685421

Ion	Ratio	Lower	Upper
146	100		
111	50.9	24.9	74.7
148	65.2	32.5	97.5

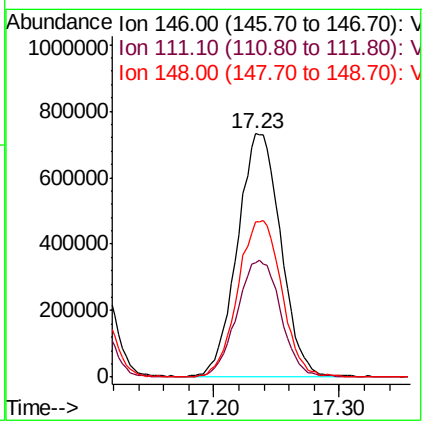


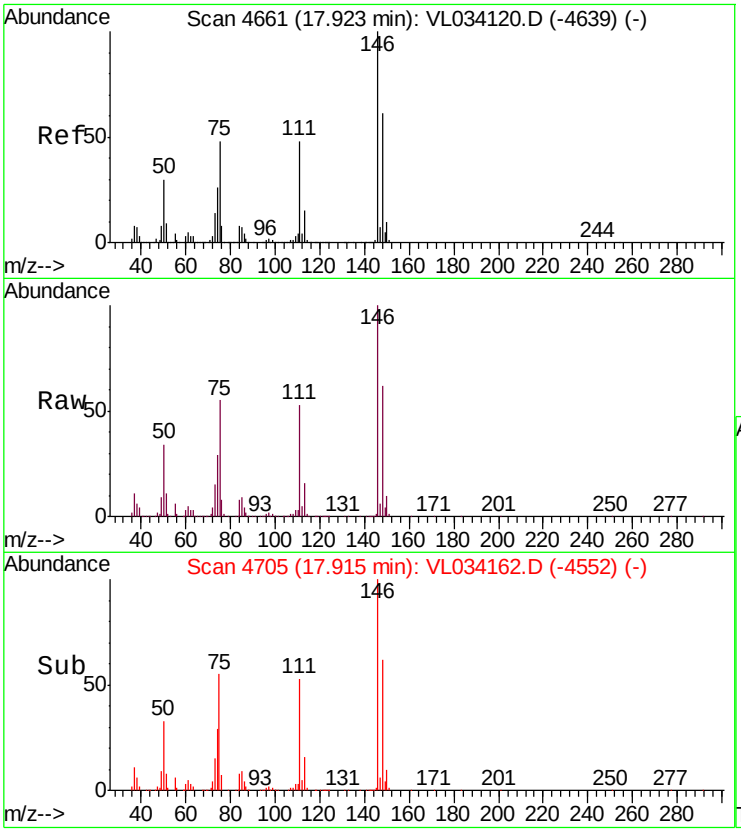


#76
1,4-Dichlorobenzene
Concen: 7.365 ppbv
RT: 17.23 min Scan# 4493
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:146 Resp: 1744770

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.3	72.8
148	65.8	32.6	98.0



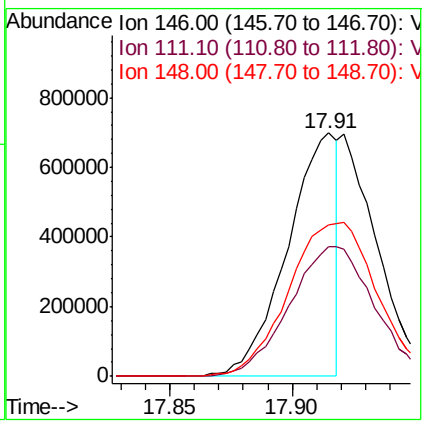


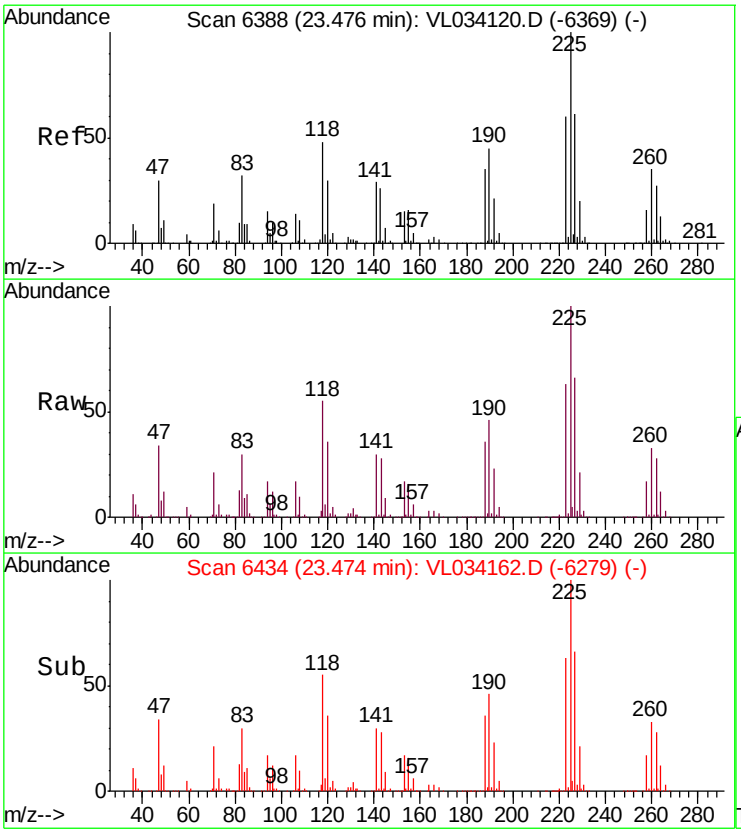
#77
1,2-Dichlorobenzene
Concen: 4.259 ppbv
RT: 17.91 min Scan# 4705
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:146 Resp: 985508

Ion	Ratio	Lower	Upper
146	100		
111	91.5	25.1	75.4#
148	0.0	32.0	96.2#

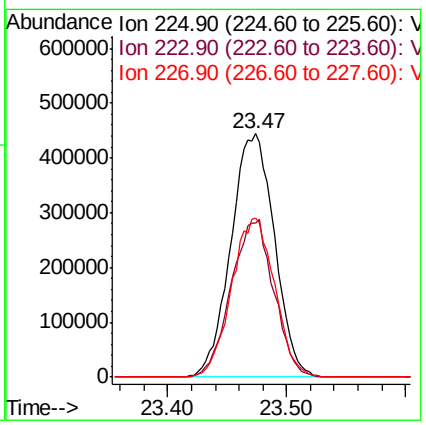


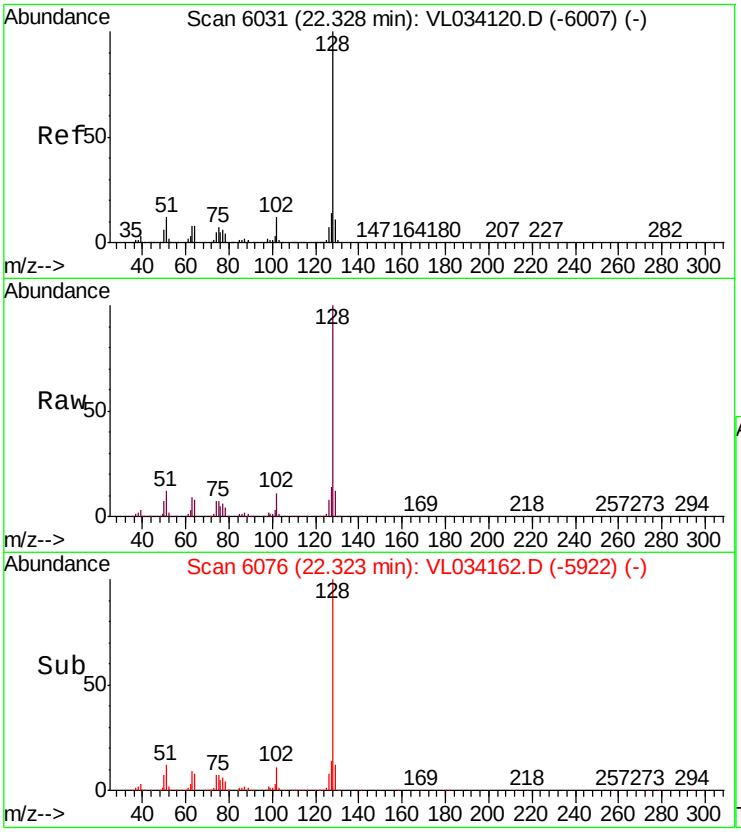


#78
Hexachloro-1,3-Butadiene
Concen: 7.105 ppbv
RT: 23.47 min Scan# 6434
Delta R.T. -0.00 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:225 Resp: 1121754

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	64.9	50.9	76.3



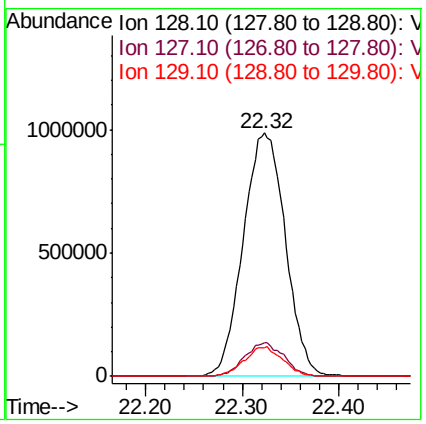


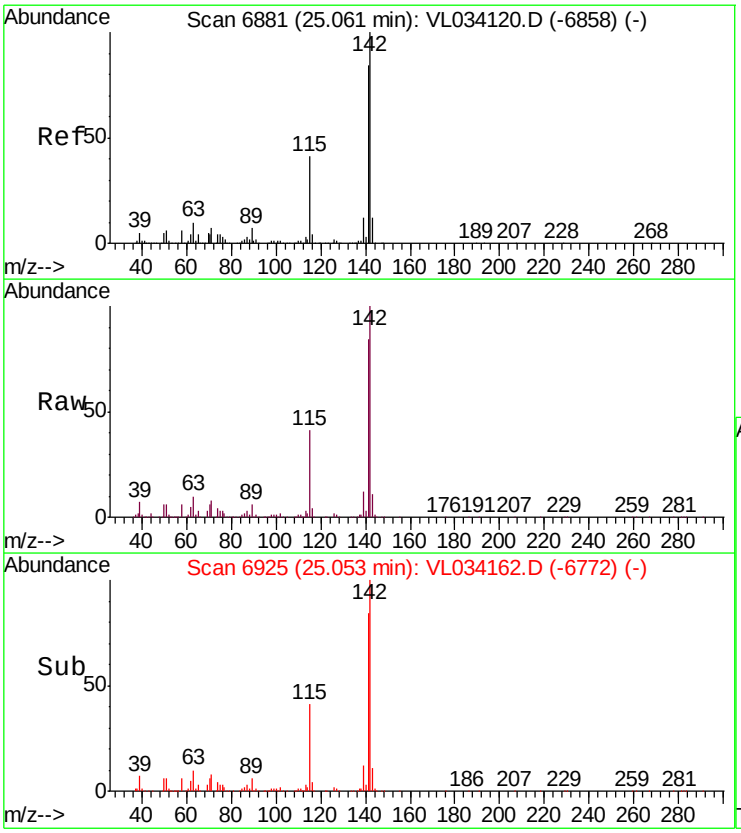
#79
Naphthalene
Concen: 7.747 ppbv
RT: 22.32 min Scan# 6076
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:128 Resp: 2987772

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.9	16.3
129	11.6	8.5	12.7

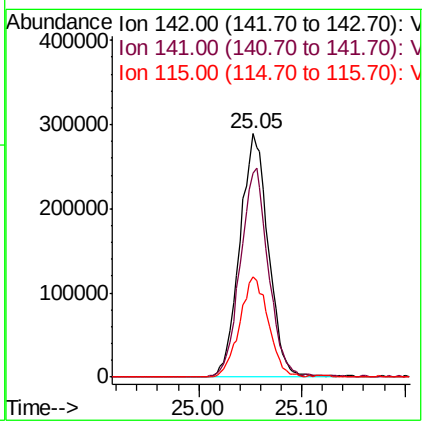


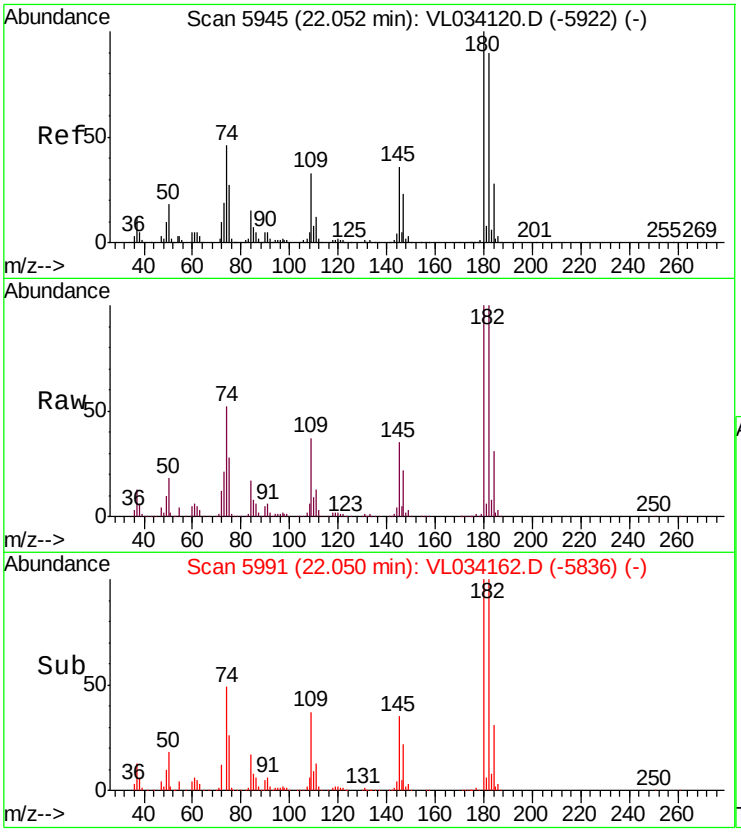


#80
Naphthalene,2-methyl-
Concen: 4.152 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. -0.01 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Tgt Ion:142 Resp: 555823

Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.6	101.4
115	42.0	34.6	52.0





#81
1,2,4-Trichlorobenzene
Concen: 7.180 ppbv
RT: 22.05 min Scan# 5991
Delta R.T. -0.00 min
Lab File: VL034162.D
Acq: 12 Sep 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VL0912ABS01

Tgt Ion:180 Resp: 1506652

Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
184	31.2	25.5	38.3