Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

Quantitation Report (Not Reviewed)

Data File : VL034678.D
Acq On : 26 Feb 2020 3:46
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 26 04:27:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 03:37:46 2020
QLast Update : Wed Feb 26 03:37:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1126776	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2345739	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2346943	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	1927268	10.00	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	210024	1.206	ppbv		94
3) Chlorodifluoromethane	2.95	51	127807	0.937	ppbv		97
4) Chloromethane	3.11	50	71740	0.874	ppbv		99
5) Vinyl Chloride	3.22	62	69567	0.911	ppbv		98
6) Bromomethane	3.45	94	40218	1.009	ppbv		95
7) Chloroethane	3.53	64	23795	0.847	ppbv		94
8) Dichlorotetrafluoroethane	3.16	85	175401	1.002	ppbv		96
9) Propene	2.97	41	53303	0.965	ppbv		94
10) Heptane	8.13	43	135741	0.936	ppbv		98
11) Trichlorofluoromethane	3.92	101	169701	0.960	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	118070	0.969	ppbv		98
13) Ethanol	3.58	45	6796	0.400	ppbv	#	37
14) Bromoethene	3.71	108	48188	0.959	ppbv	#	98
15) Acetone	3.83	43	141782	0.927	ppbv		97
16) 1,3-Butadiene	3.29	39	63742	0.980	ppbv		94
17) tert-Butyl alcohol	4.28	59	97204	0.836	ppbv		100
18) 1,1-Dichloroethene	4.27	96	53136	0.955	ppbv		88
19) Isopropyl Alcohol	3.96	45	63942	0.608	ppbv	#	94
20) Methylene Chloride	4.33	84	55408	0.989	ppbv	#	75
21) Allyl Chloride	4.39	41	87199	0.936	ppbv		98
22) trans-1,2-Dichloroethene	4.87	96	49813	0.913	ppbv		93
23) Vinyl Acetate	5.06	43	172627	0.911	ppbv	#	96
24) 1,1-Dichloroethane	5.00	63	147526	0.935	ppbv		100
25) Ethyl Acetate	5.67	43	238550	0.905	ppbv		99
26) Hexane	5.68	57	109907	0.939	ppbv		99
27) Carbon Disulfide	4.53	76	115665	0.870	ppbv	#	89
28) Methyl tert-Butyl Ether	5.03	73	161380	0.954	ppbv		96
29) Chloroform	5.74	83	175045	0.940	ppbv		89
30) Cyclohexane	7.14	84	81658	0.911	ppbv		92
31) cis-1,2-Dichloroethene	5.54	61	106353	0.937	ppbv		92
32) 1,1,1-Trichloroethane	6.51	97	155715	0.913	ppbv		96
34) 2-Butanone	5.24	43	149817	0.901	ppbv		99
35) Carbon Tetrachloride	7.02	117	159498	0.893	ppbv		91
36) Benzene	6.90	78	212117	0.960	ppbv	#	93
37) 1,2-Dichloroethane	6.30	62	131524	0.909	ppbv		99
38) Trichloroethene	7.85	130	41206	0.491	ppbv		92
39) 1,2-Dichloropropane	7.62	63	80196	0.882	ppbv		89
40) 1,4-Dioxane	7.87	88	24171	0.711	ppbv	#	30
41) Tetrahydrofuran	6.06	42	78064	0.897	ppbv		98
42) Bromodichloromethane	7.80	83	175598	0.936	ppbv		93
43) Methyl Methacrylate	8.03	69	78939	0.911	ppbv		91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

Quantitation Report (Not Reviewed)

Data File : VL034678.D
Acq On : 26 Feb 2020 3:46
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 26 04:27:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 03:37:46 2020
QLast Update : Wed Feb 26 03:37:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	378872	0.954	ppbv		98
45) t-1,3-Dichloropropene	9.30	75	82854	0.817	ppbv		93
46) cis-1,3-Dichloropropene	8.72	75	103280	0.871	ppbv		99
47) 1,1,2-Trichloroethane	9.49	97	89220	0.928	ppbv		93
48) Dibromochloromethane	10.33	129	127984	0.867	ppbv		97
49) Bromoform	13.08	173	109410	0.848	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	213897	0.905	ppbv		100
51) 2-Hexanone	10.16	43	158343	0.850	ppbv	#	98
52) Tetrachloroethene	11.25	164	72109	0.925	ppbv		84
53) Toluene	9.82	91	216198	0.910	ppbv		99
54) 1,2-Dibromoethane	10.63	107	126742	0.947	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.15	131	69235	0.675	ppbv	#	32
57) Chlorobenzene	12.18	112	192776	0.994	ppbv	#	93
58) Ethyl Benzene	12.74	91	299365	0.959	ppbv		98
59) m/p-Xylene	13.03	91	211025	0.770	ppbv	#	3
60) o-Xylene	13.73	91	266911	0.975	ppbv		95
61) Styrene	13.56	104	158778	0.849	ppbv		99
62) Isopropylbenzene	14.70	105	391165	1.079	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.71	83	92844	0.427	ppbv	#	13
64) n-propylbenzene	15.60	120	57446	0.624	ppbv	#	1
65) tert-Butylbenzene	16.78	119	186592	0.590	ppbv	#	27
66) Benzyl Chloride	17.03	91	67643	0.554	ppbv	#	87
67) sec-Butylbenzene	17.33	105	494018	1.094	ppbv		97
69) p-Isopropyltoluene	17.69	119	397304	1.107	ppbv		98
70) n-Butylbenzene	18.59	91	261258	0.680	ppbv	#	61
71) 2-Chlorotoluene	15.49	91	299543	1.078	ppbv		95
72) 4-Ethyltoluene	15.88	105	285619	0.946	ppbv		96
73) 1,3,5-Trimethylbenzene	16.03	105	277967	0.971	ppbv		97
74) 1,2,4-Trimethylbenzene	16.80	105	330464	1.071	ppbv		94
75) 1,3-Dichlorobenzene	17.03	146	183004	1.010	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	181015	1.012	ppbv		98
77) 1,2-Dichlorobenzene	17.86	146	115974	0.664	ppbv	#	59
78) Hexachloro-1,3-Butadiene	23.42	225	79018	0.553	ppbv	#	18
79) Naphthalene	22.26	128	131723	0.561	ppbv		98
80) Naphthalene,2-methyl-	25.02	142	64098	1.295	ppbv		97
81) 1,2,4-Trichlorobenzene	21.99	180	81596	0.569	ppbv	#	17

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

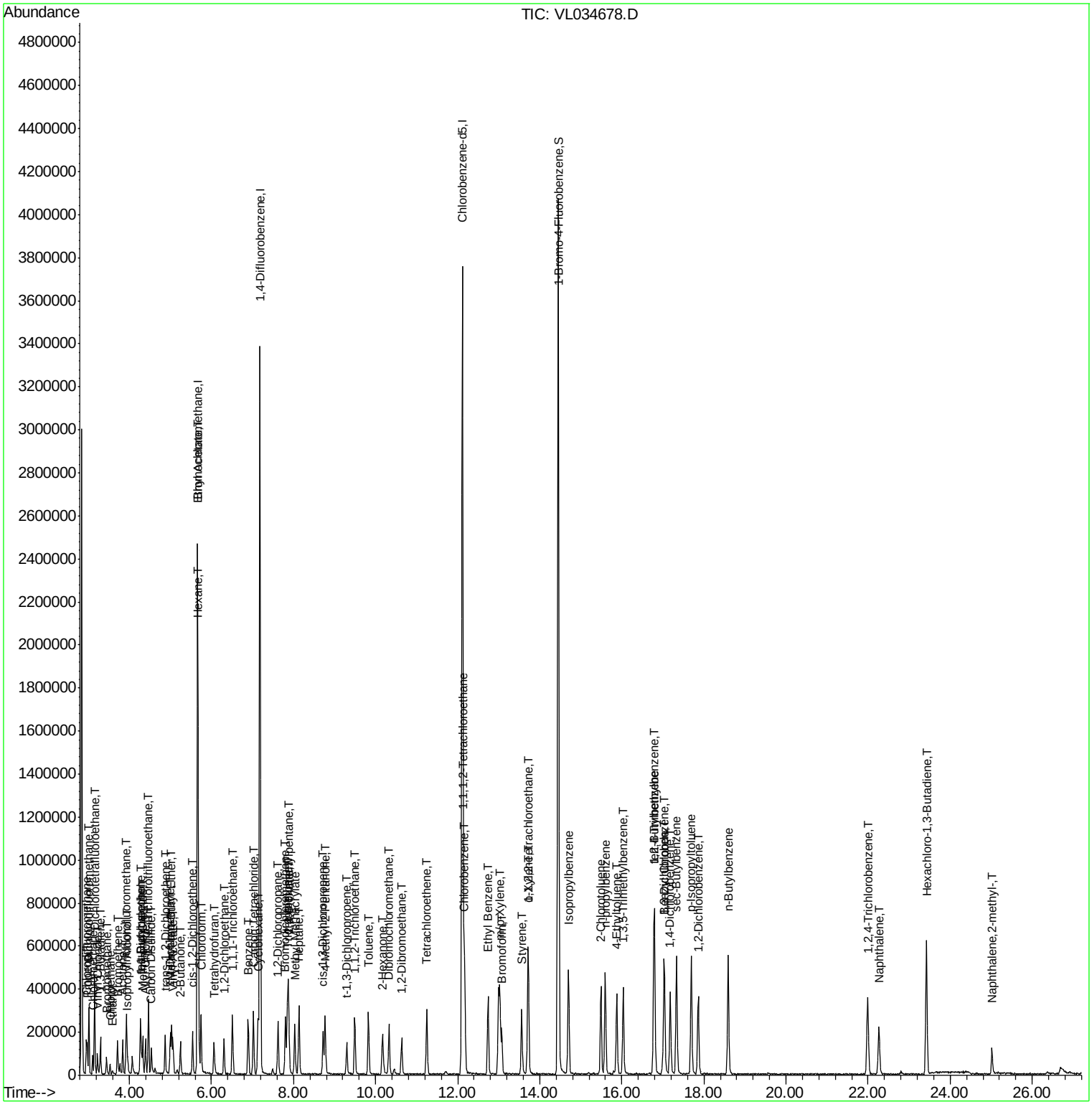
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

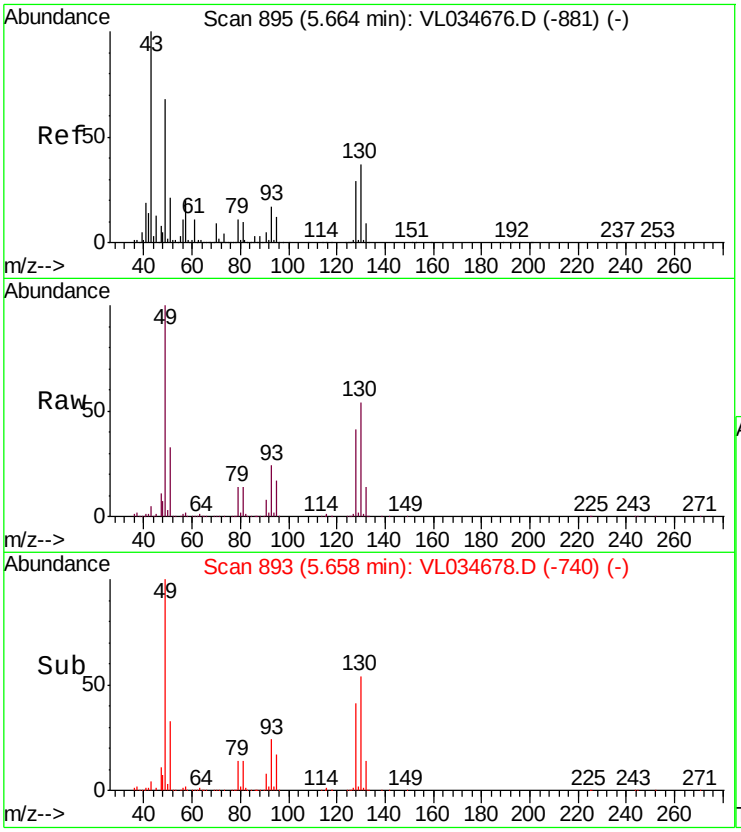
Quantitation Report (Not Reviewed)

Data File : VL034678.D
Acq On : 26 Feb 2020 3:46
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Feb 26 04:27:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 03:37:46 2020
QLast Update : Wed Feb 26 03:37:46 2020
Response via : Initial Calibration



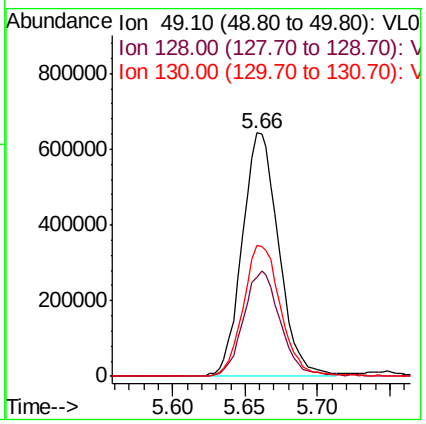


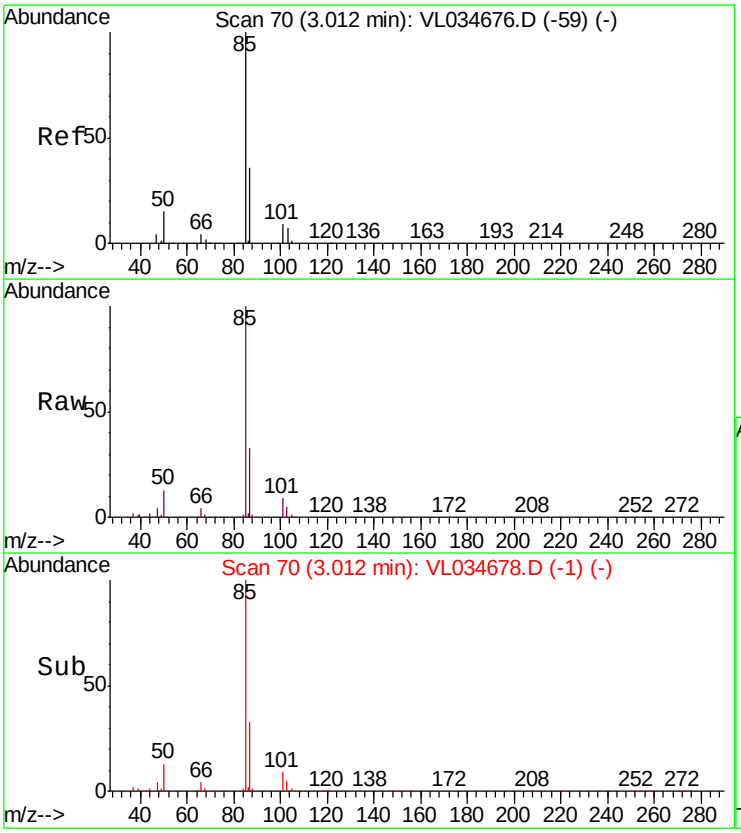
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1126776

Ion	Ratio	Lower	Upper
49	100		
128	43.9	21.6	65.0
130	55.9	27.7	83.1

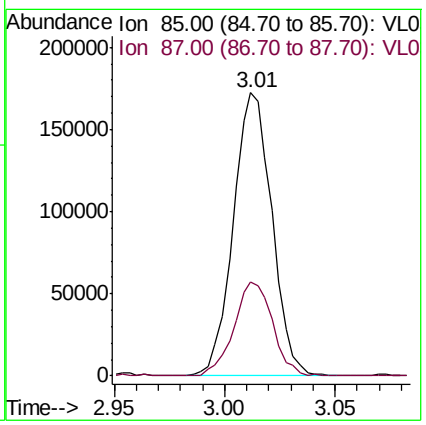


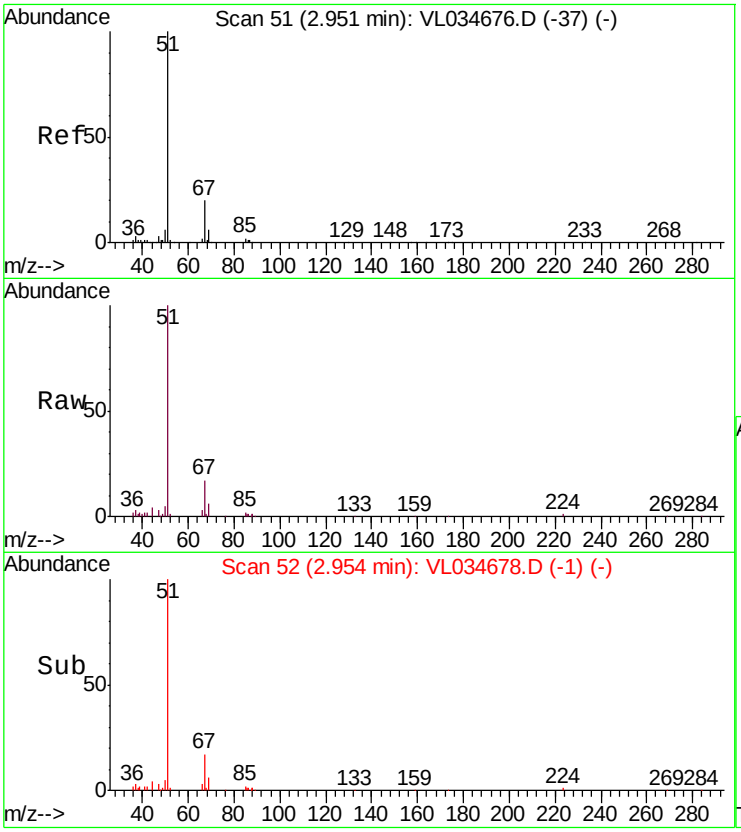


#2
Dichlorodifluoromethane
Concen: 1.206 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 85 Resp: 210024

Ion	Ratio	Lower	Upper
85	100		
87	33.1	29.2	43.8



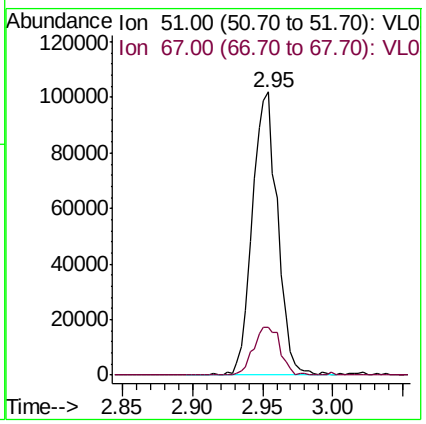


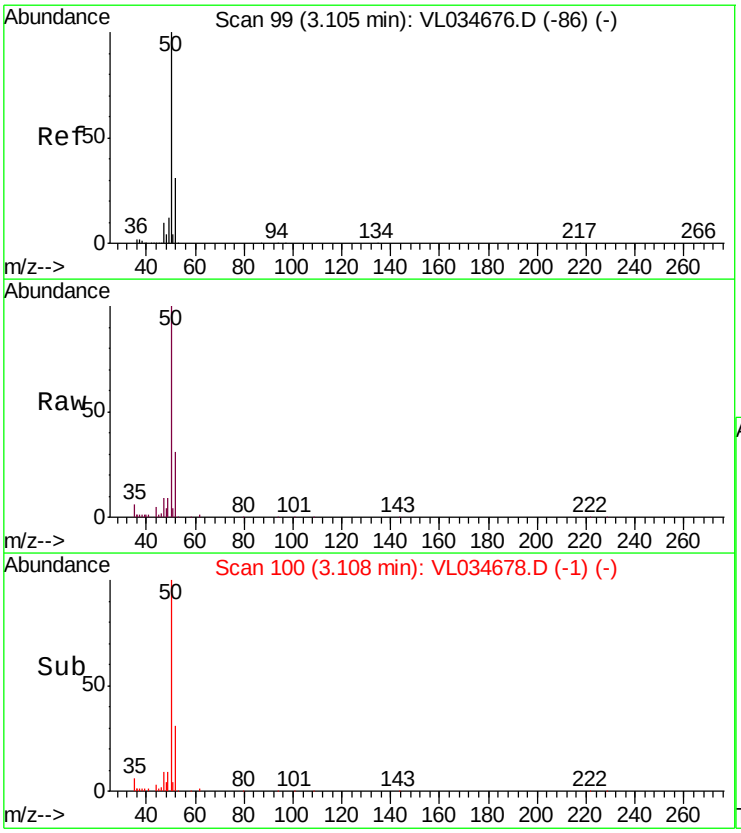
#3
Chlorodifluoromethane
Concen: 0.937 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 51 Resp: 127807

Ion	Ratio	Lower	Upper
51	100		
67	18.2	15.5	23.3

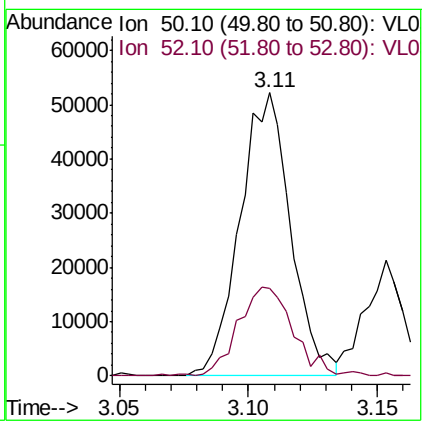


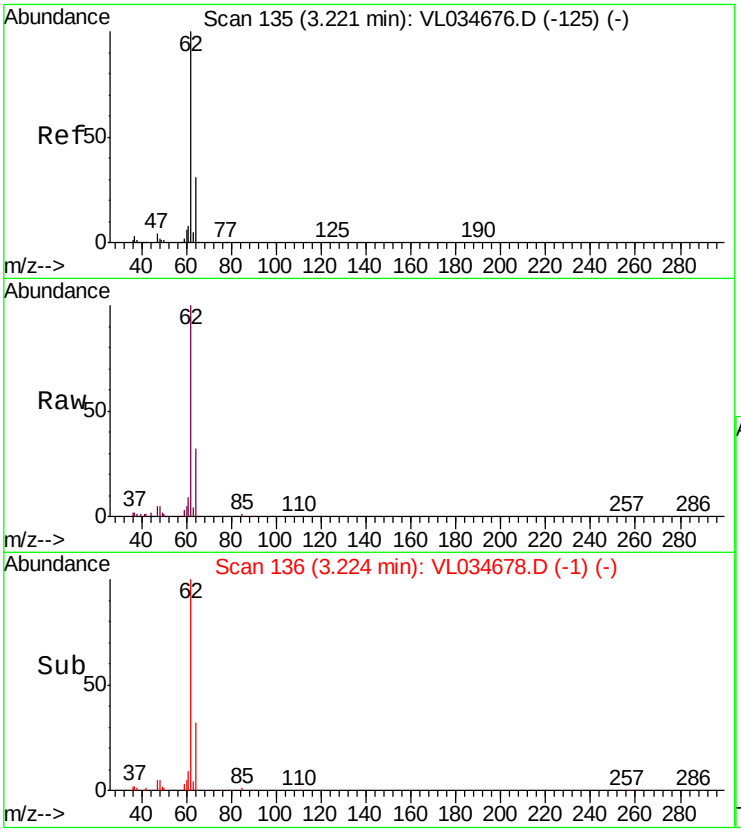


#4
Chloromethane
Concen: 0.874 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 50 Resp: 71740

Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.0	37.4



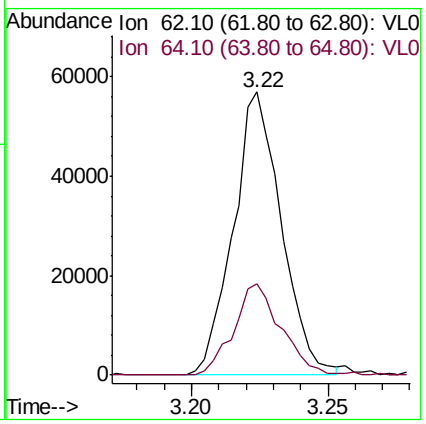


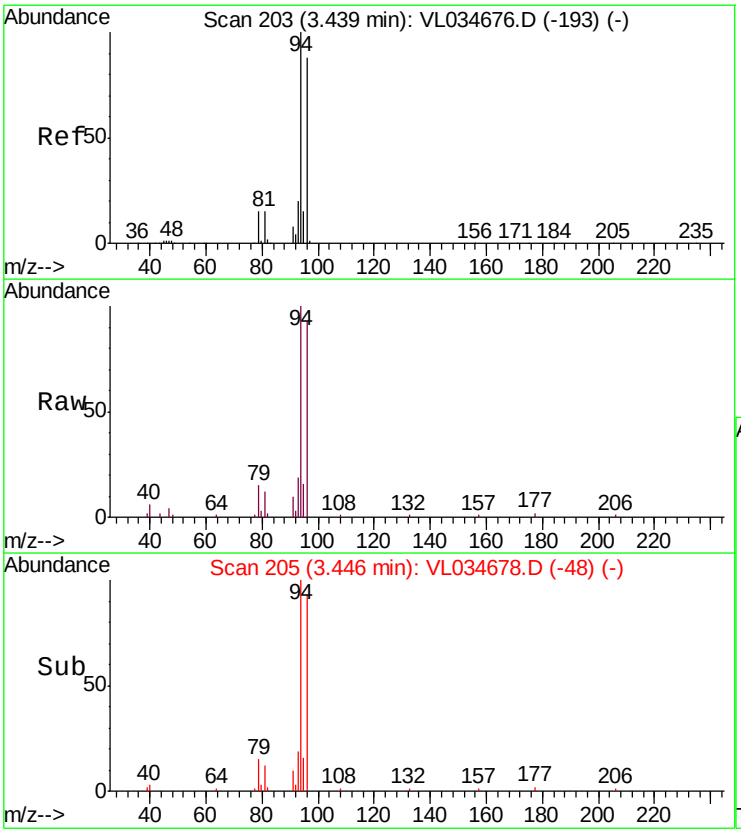
#5
Vinyl Chloride
Concen: 0.911 ppbv
RT: 3.22 min Scan# 136
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 69567

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.7	37.1

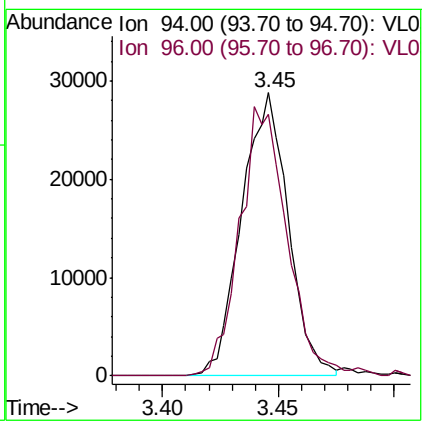


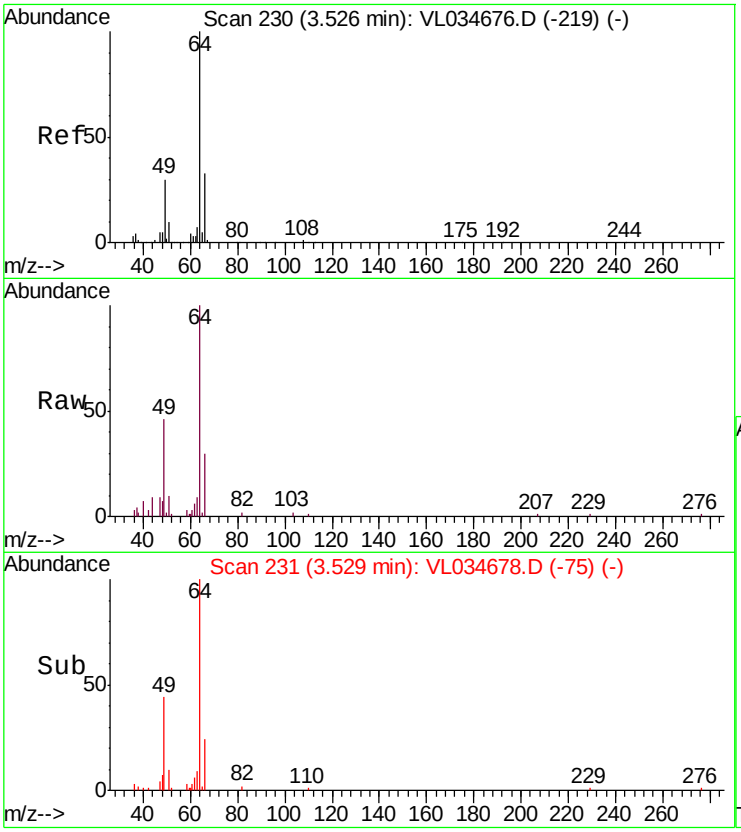


#6
Bromomethane
Concen: 1.009 ppbv
RT: 3.45 min Scan# 205
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 94 Resp: 40218

Ion	Ratio	Lower	Upper
94	100		
96	92.6	70.5	105.7



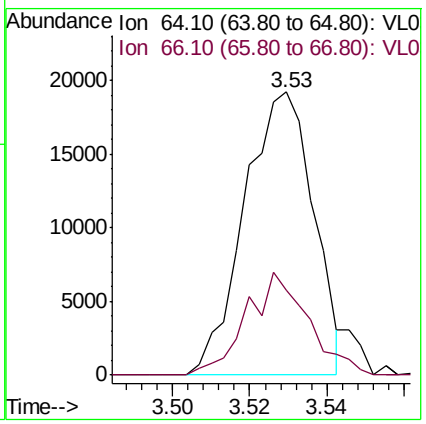


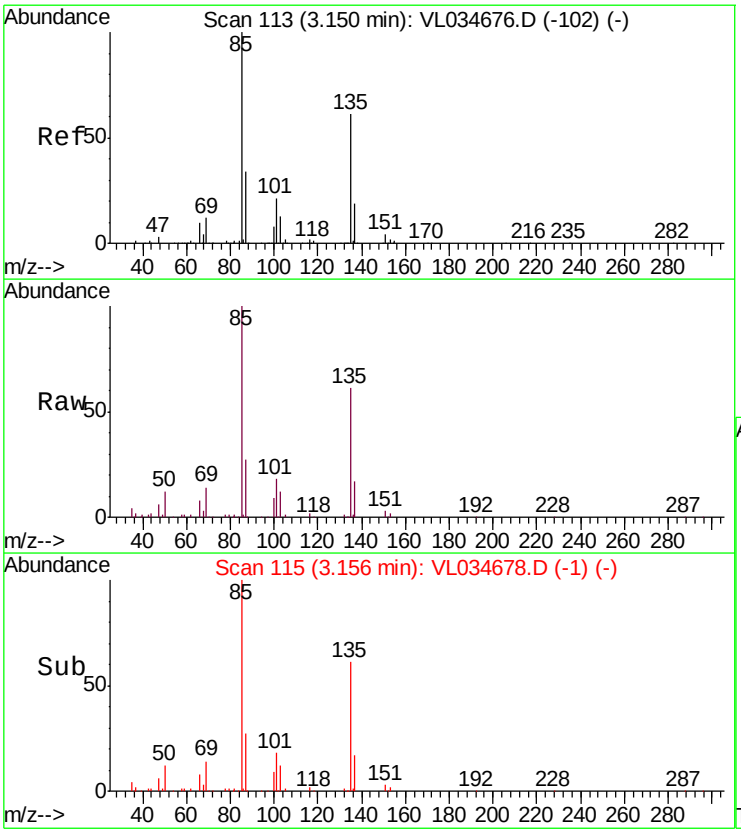
#7
Chloroethane
Concen: 0.847 ppbv
RT: 3.53 min Scan# 231
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 23795

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.7	40.1

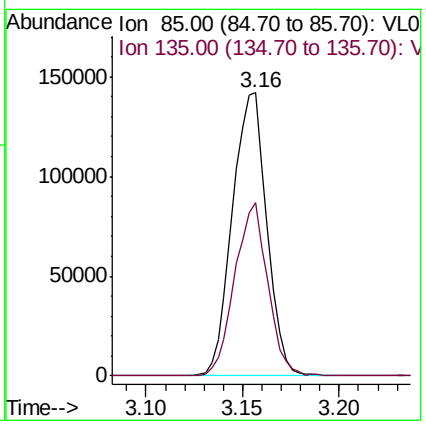


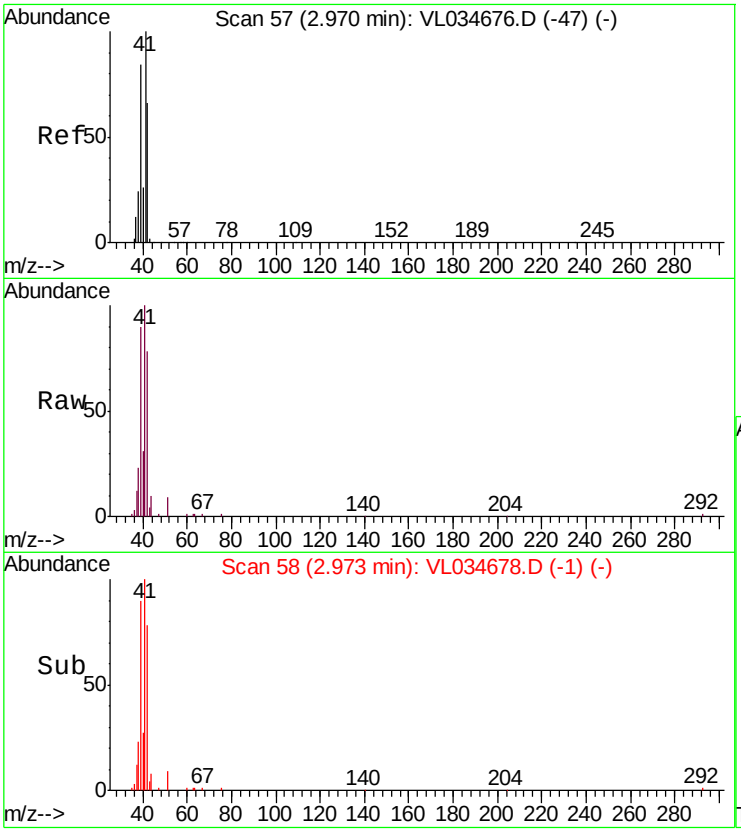


#8
Dichlorotetrafluoroethane
Concen: 1.002 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 85 Resp: 175401

Ion	Ratio	Lower	Upper
85	100		
135	58.8	49.8	74.6



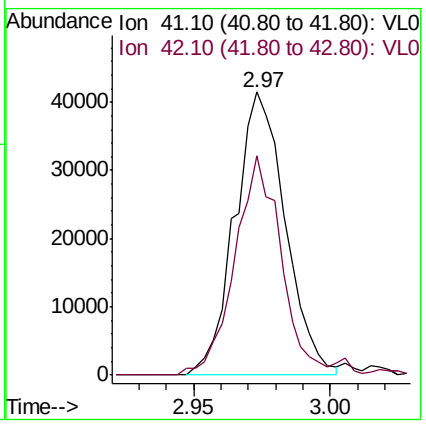


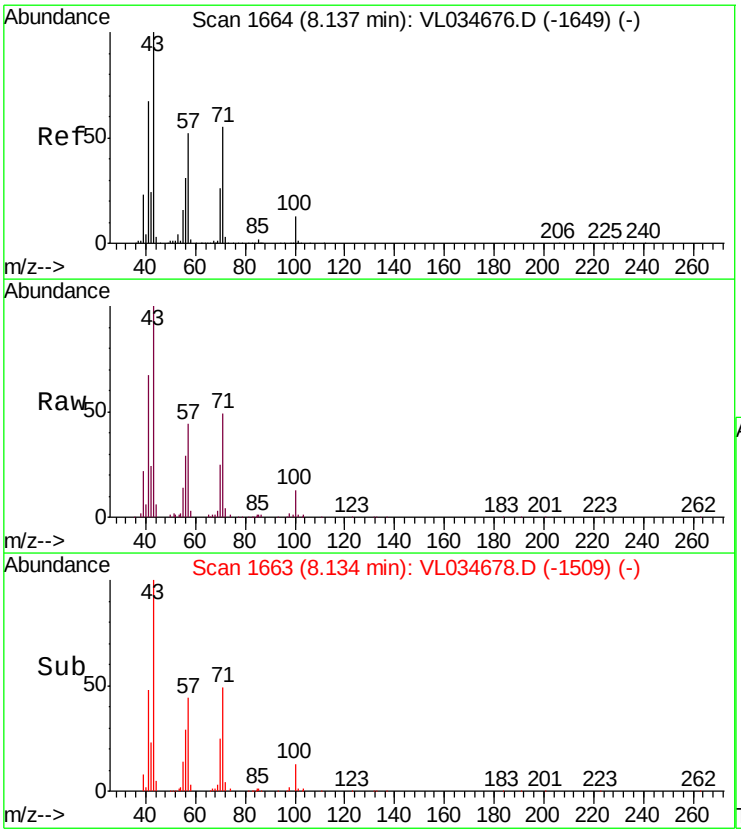
#9
Propene
Concen: 0.965 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 53303

Ion	Ratio	Lower	Upper
41	100		
42	73.3	54.9	82.3

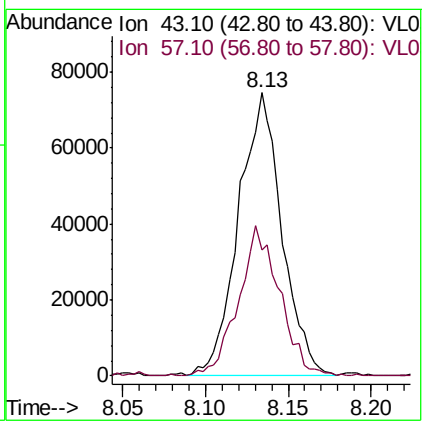


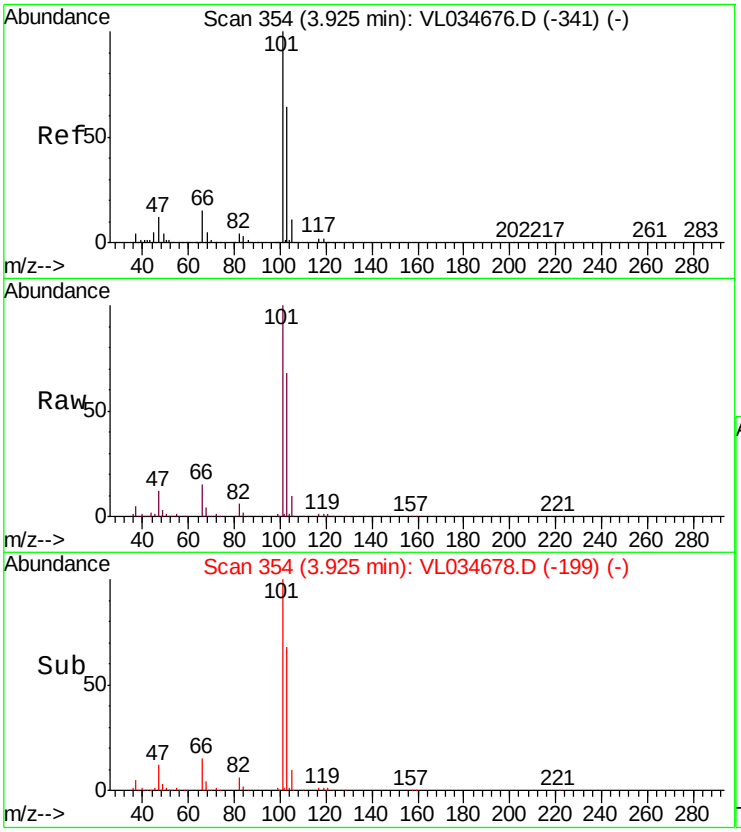


#10
Heptane
Concen: 0.936 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 43 Resp: 135741

Ion	Ratio	Lower	Upper
43	100		
57	50.0	41.0	61.6



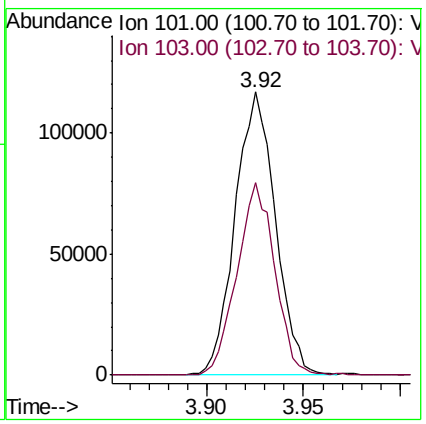


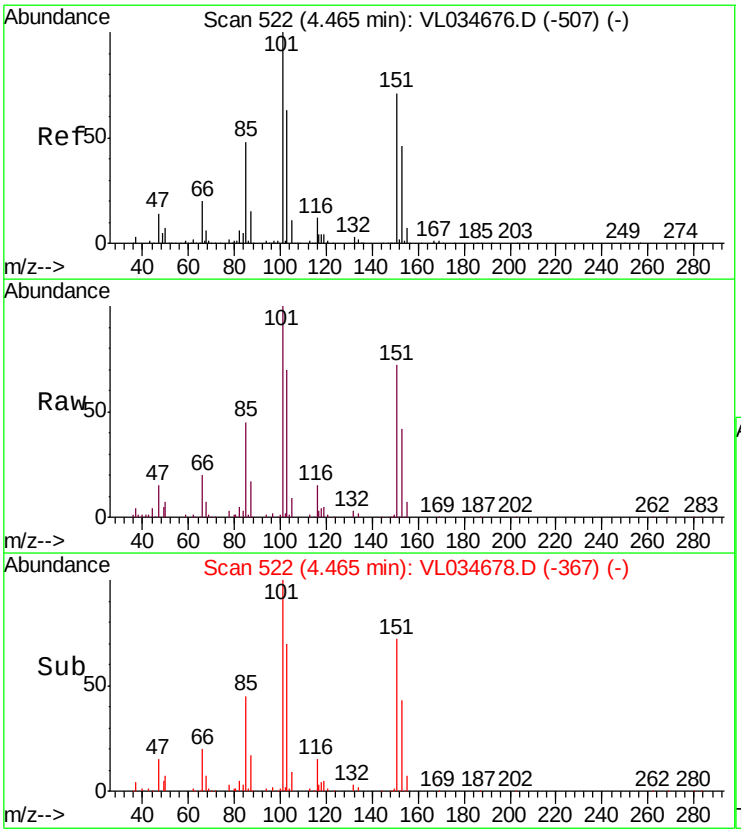
#11
Trichlorofluoromethane
Concen: 0.960 ppbv
RT: 3.92 min Scan# 354
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 169701

Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.2	76.8

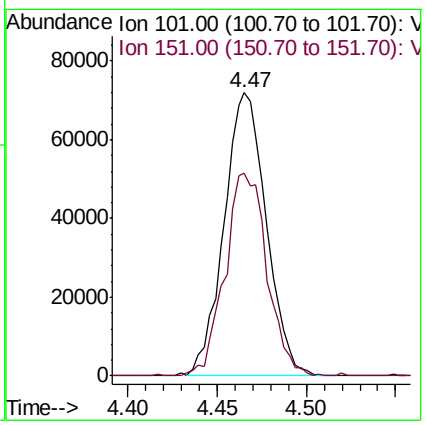


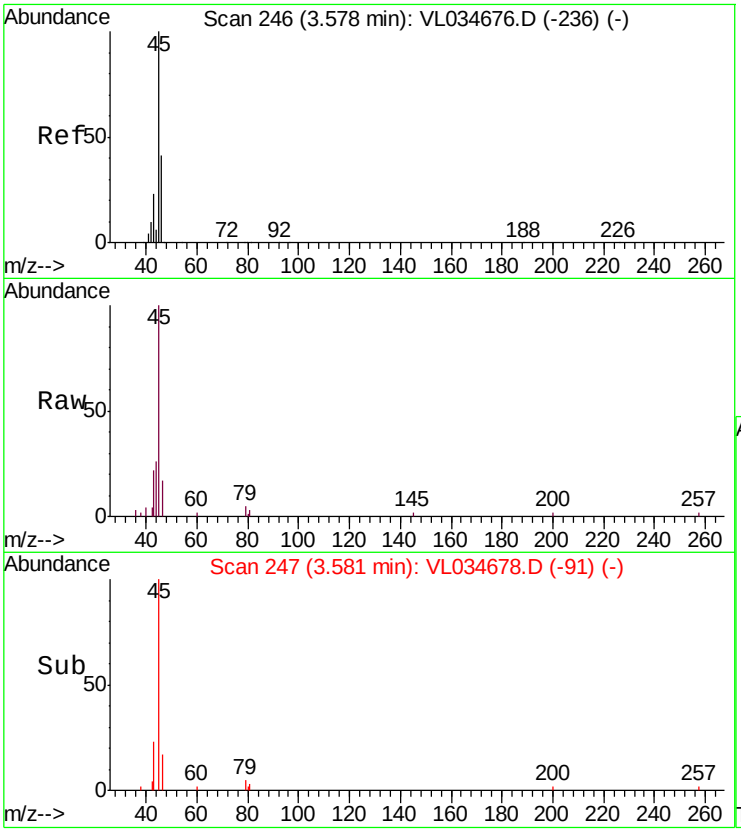


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.969 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:101 Resp: 118070

Ion	Ratio	Lower	Upper
101	100		
151	71.3	55.8	83.6



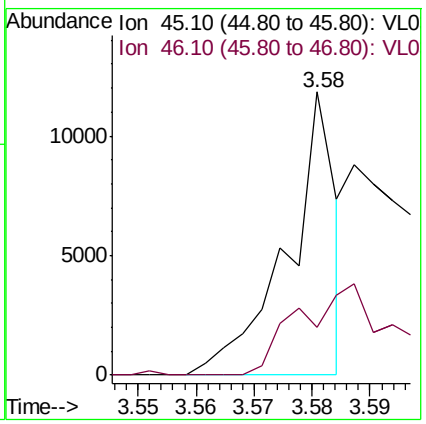


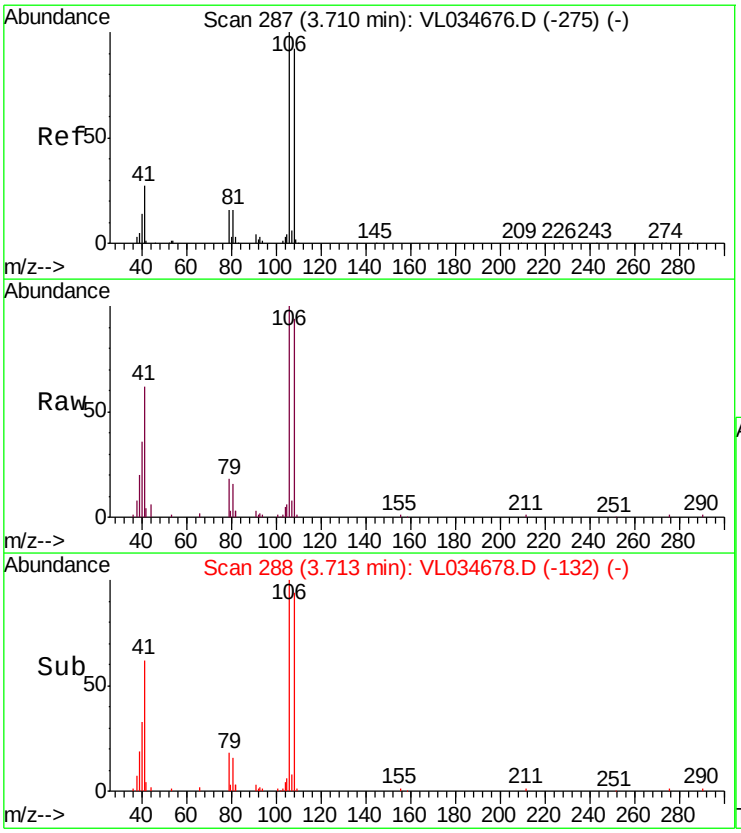
#13
Ethanol
Concen: 0.400 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 6796

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.4	61.4#

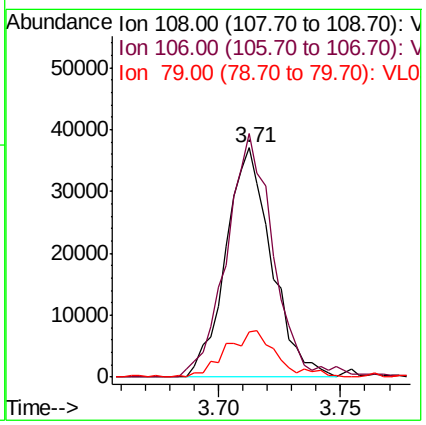


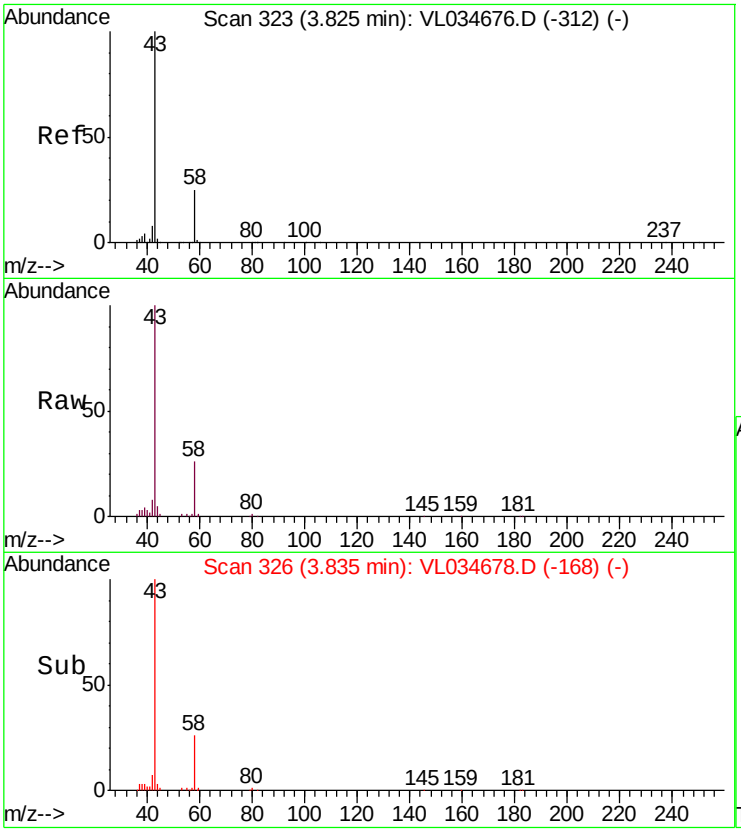


#14
Bromoethene
Concen: 0.959 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:108 Resp: 48188

Ion	Ratio	Lower	Upper
108	100		
106	109.2	86.7	130.1
79	22.8	15.0	22.6#



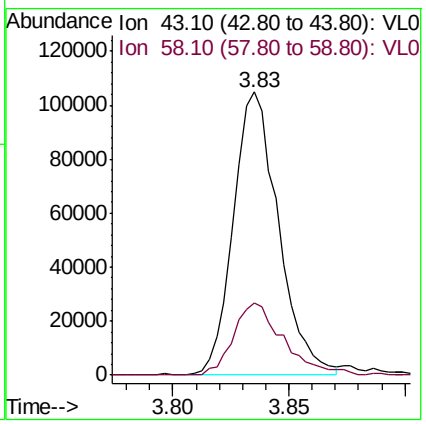


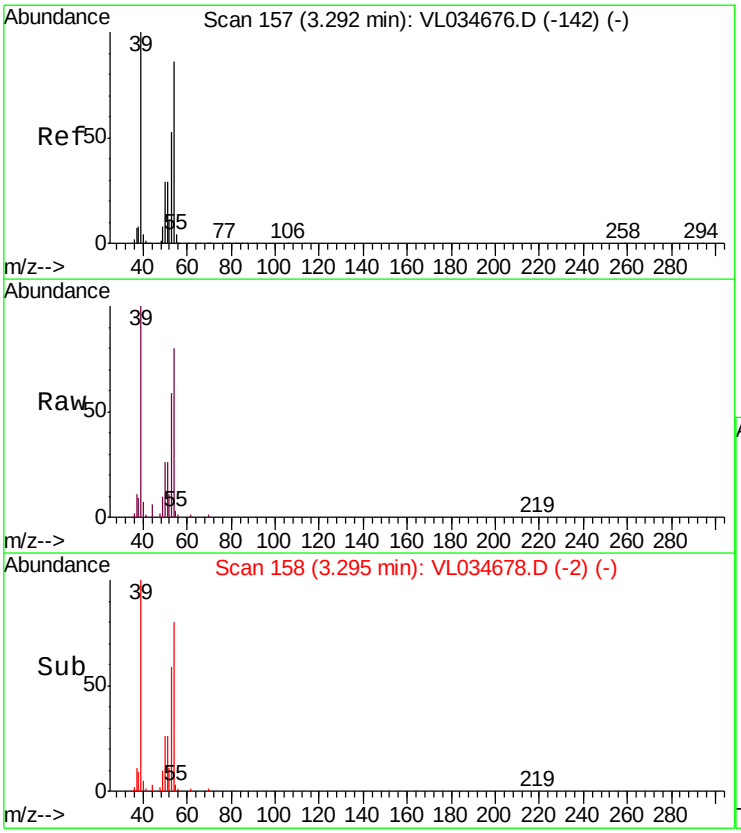
#15
Acetone
Concen: 0.927 ppbv
RT: 3.83 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 141782

Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.4	32.0

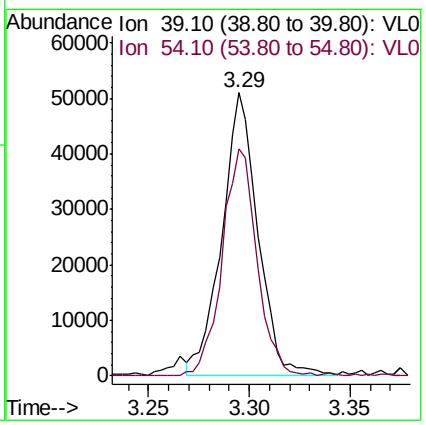


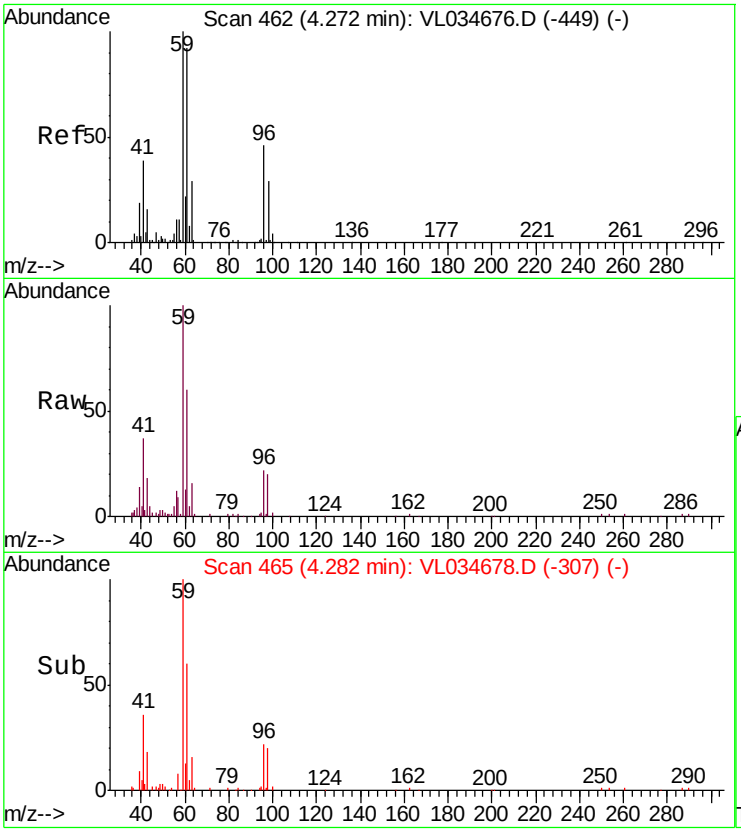


#16
1,3-Butadiene
Concen: 0.980 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 39 Resp: 63742

Ion	Ratio	Lower	Upper
39	100		
54	78.0	67.0	100.6



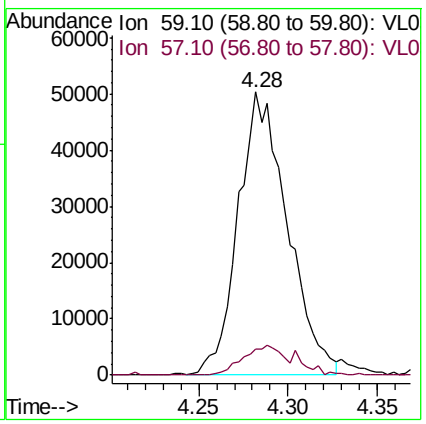


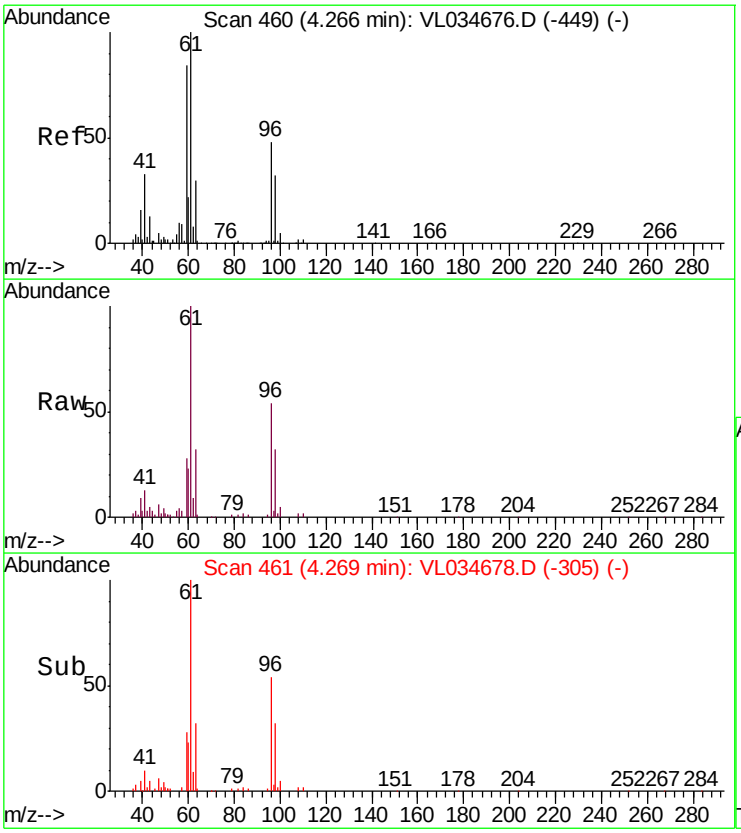
#17
tert-Butyl alcohol
Concen: 0.836 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 97204

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

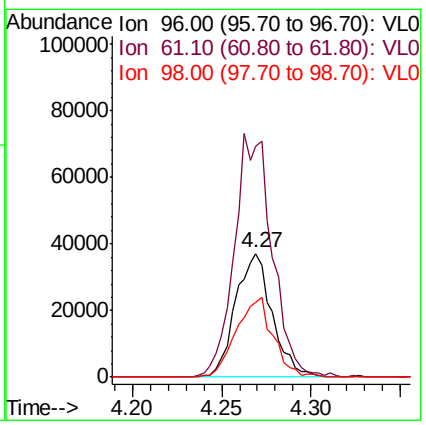


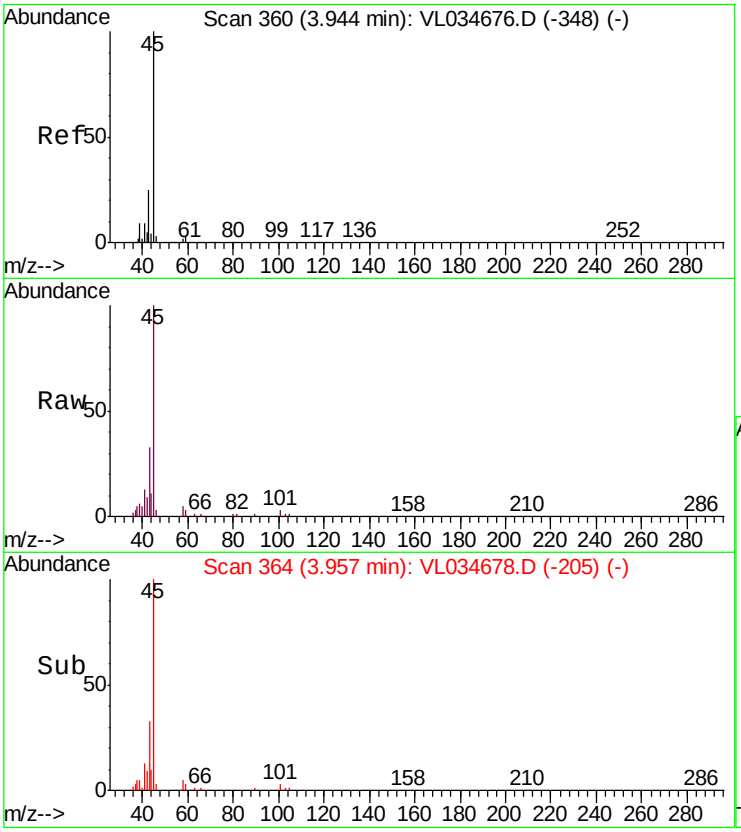


#18
1,1-Dichloroethene
Concen: 0.955 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 96 Resp: 53136

Ion	Ratio	Lower	Upper
96	100		
61	186.0	165.1	247.7
98	60.3	52.7	79.1



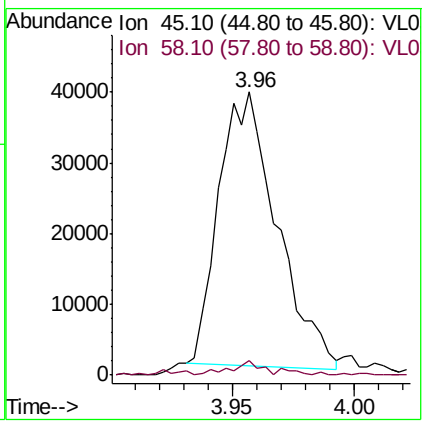


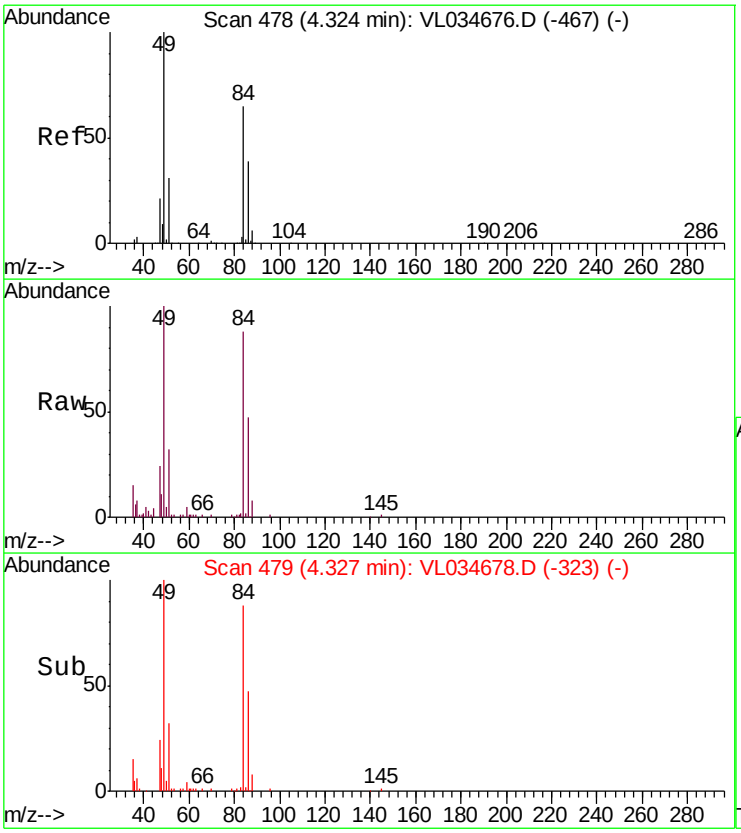
#19
Isopropyl Alcohol
Concen: 0.608 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 63942

Ion	Ratio	Lower	Upper
45	100		
58	4.4	1.8	2.6#

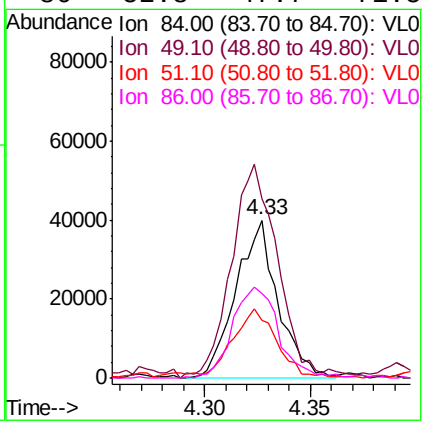


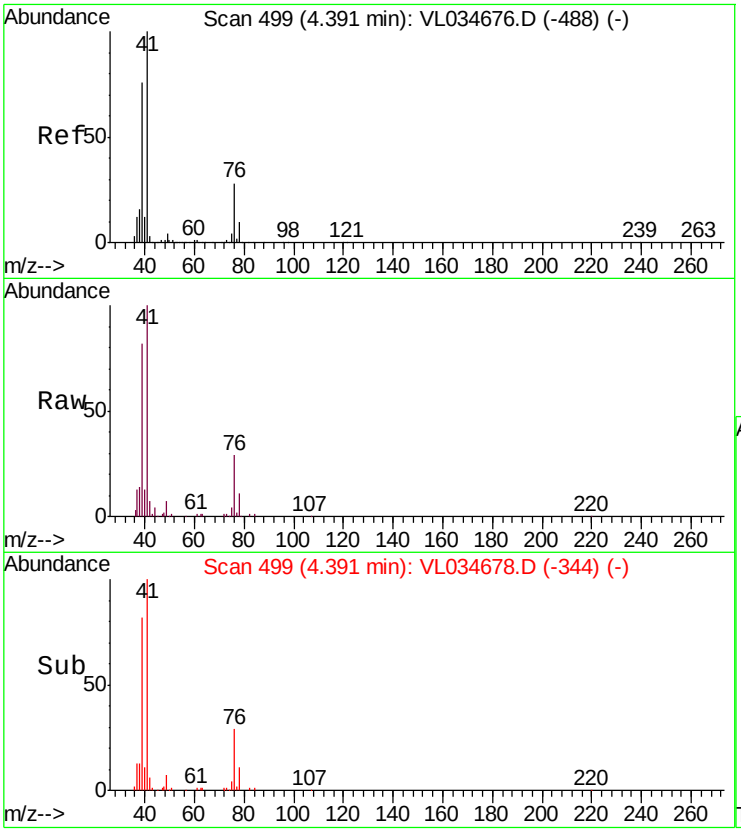


#20
Methylene Chloride
Concen: 0.989 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 84 Resp: 55408

Ion	Ratio	Lower	Upper
84	100		
49	110.0	122.8	184.2#
51	35.3	38.6	58.0#
86	52.8	47.7	71.5



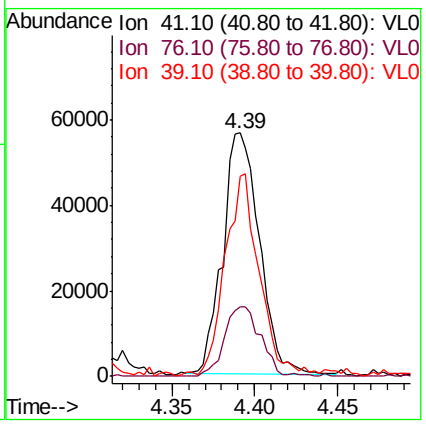


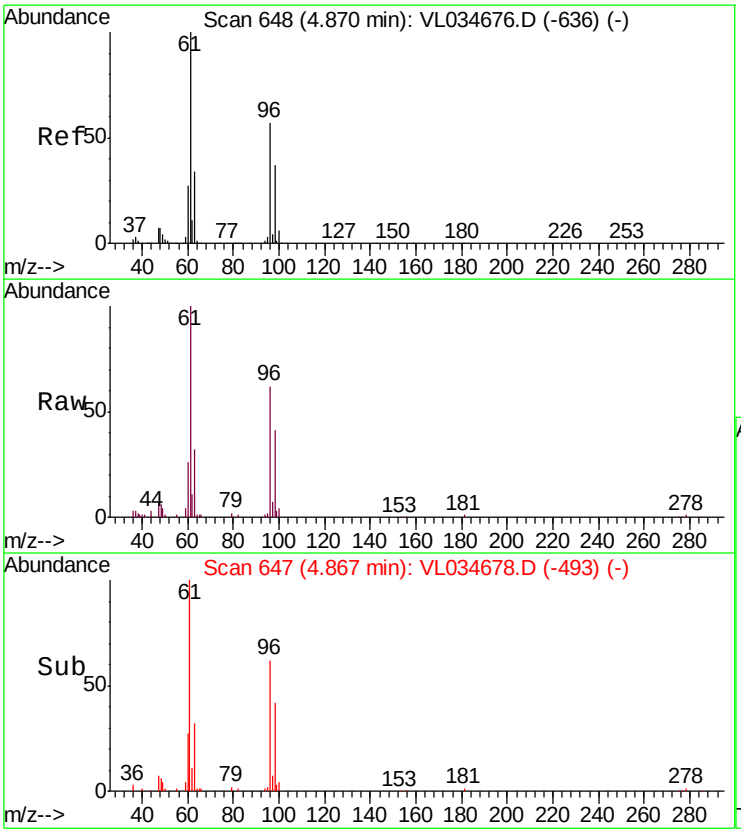
#21
Allyl Chloride
Concen: 0.936 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 87199

Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.8	34.2
39	78.9	61.7	92.5

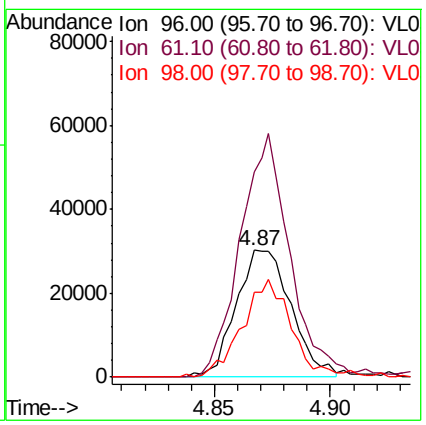


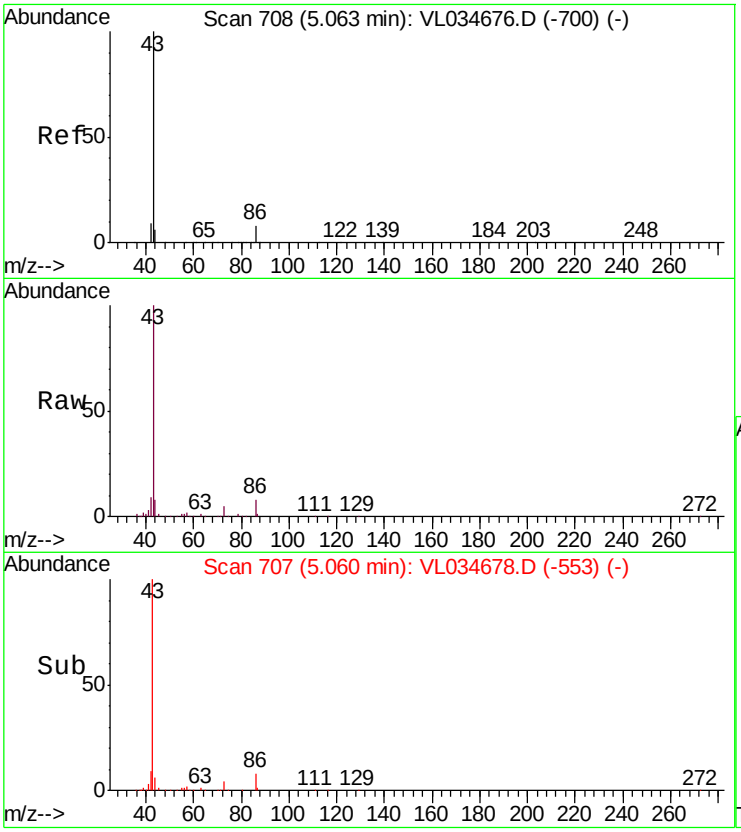


#22
trans-1,2-Dichloroethene
Concen: 0.913 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 96 Resp: 49813

Ion	Ratio	Lower	Upper
96	100		
61	161.5	139.4	209.0
98	64.9	51.3	76.9



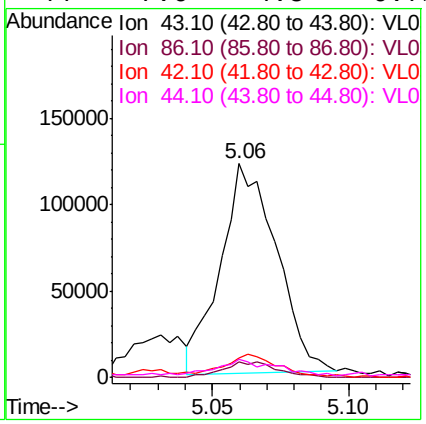


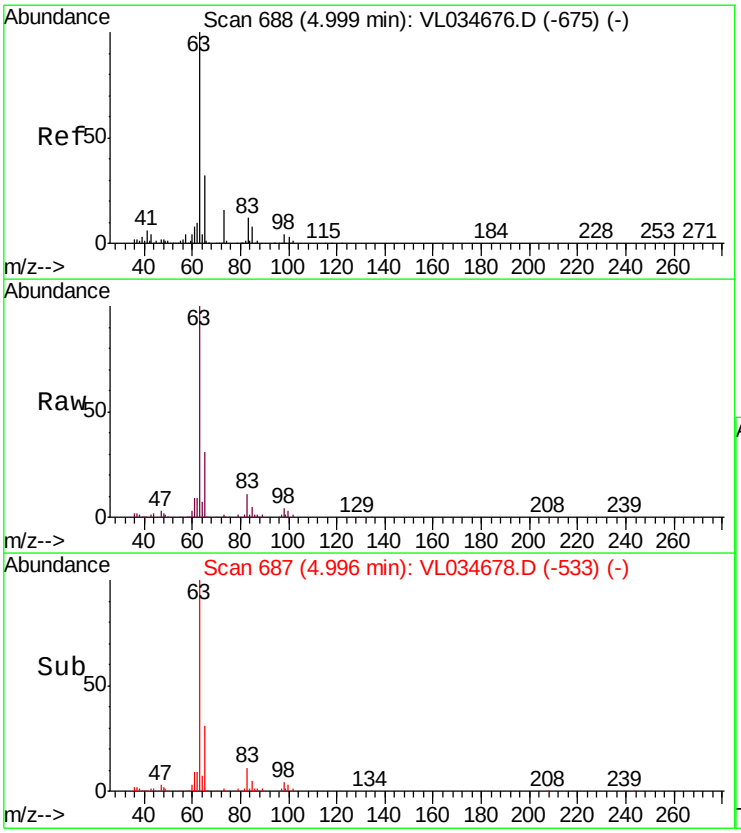
#23
Vinyl Acetate
Concen: 0.911 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 172627

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.0	9.0
42	8.3	8.0	12.0
44	7.6	4.5	6.7#

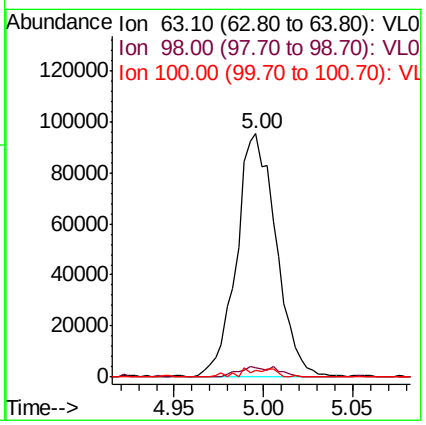


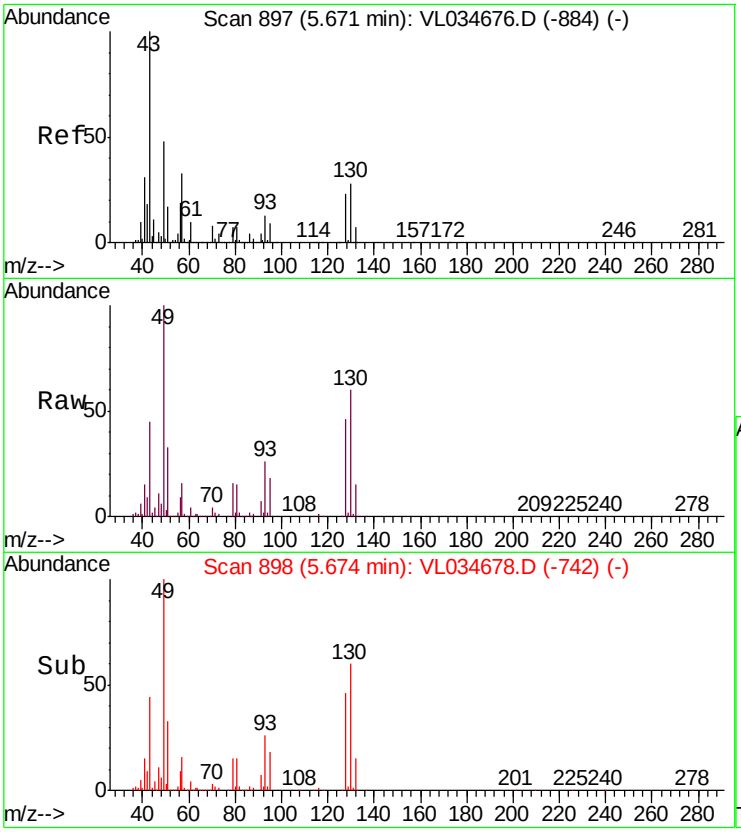


#24
1,1-Dichloroethane
Concen: 0.935 ppbv
RT: 5.00 min Scan# 687
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 63 Resp: 147526

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	3.0	1.4	4.0



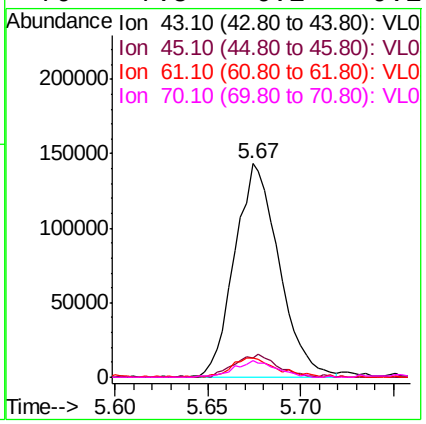


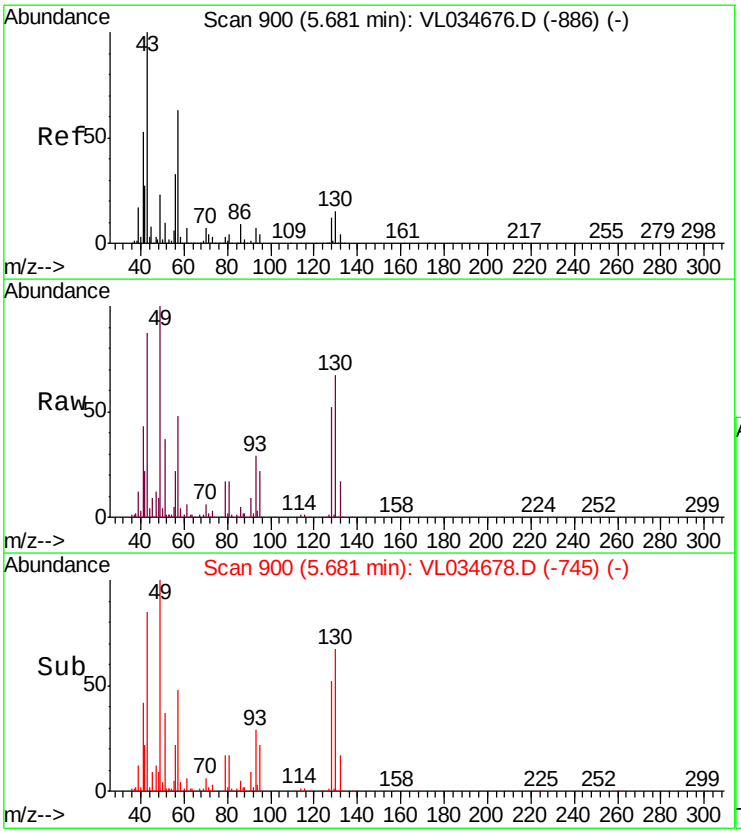
#25
Ethyl Acetate
Concen: 0.905 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 238550

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.2	12.4
61	9.0	7.8	11.6
70	7.5	6.1	9.1

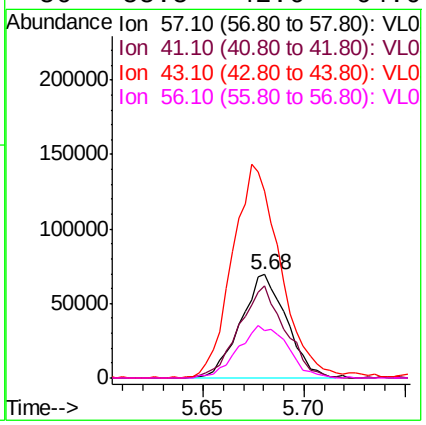


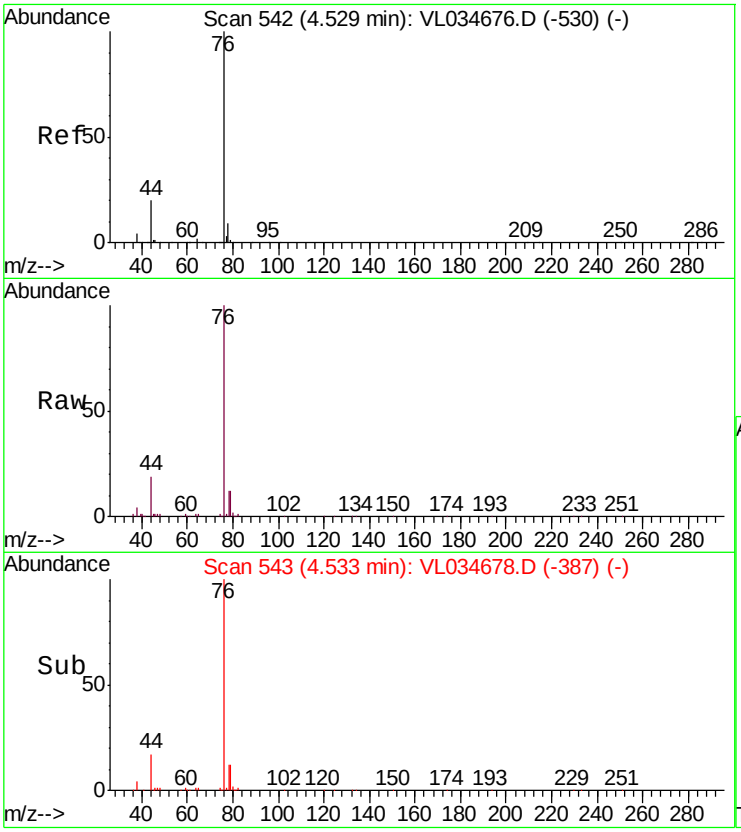


#26
Hexane
Concen: 0.939 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 57 Resp: 109907

Ion	Ratio	Lower	Upper
57	100		
41	90.3	70.3	105.5
43	221.2	177.0	265.4
56	55.5	42.6	64.0



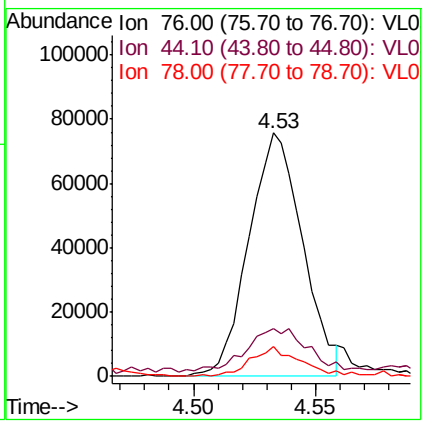


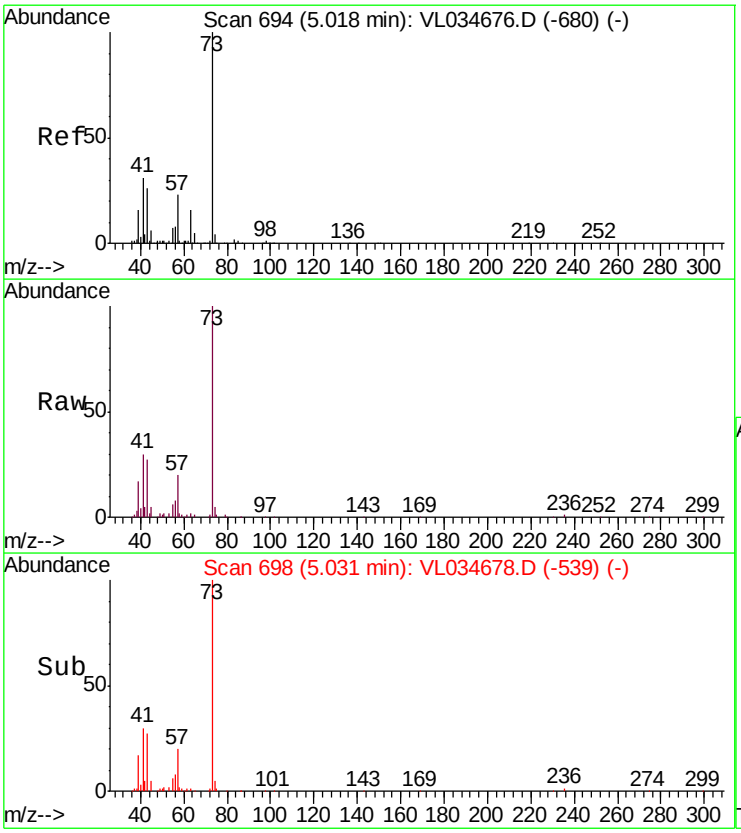
#27
Carbon Disulfide
Concen: 0.870 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 115665

Ion	Ratio	Lower	Upper
76	100		
44	24.7	15.3	22.9#
78	12.3	7.6	11.4#

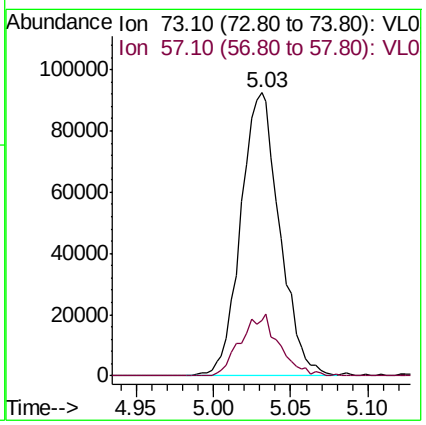


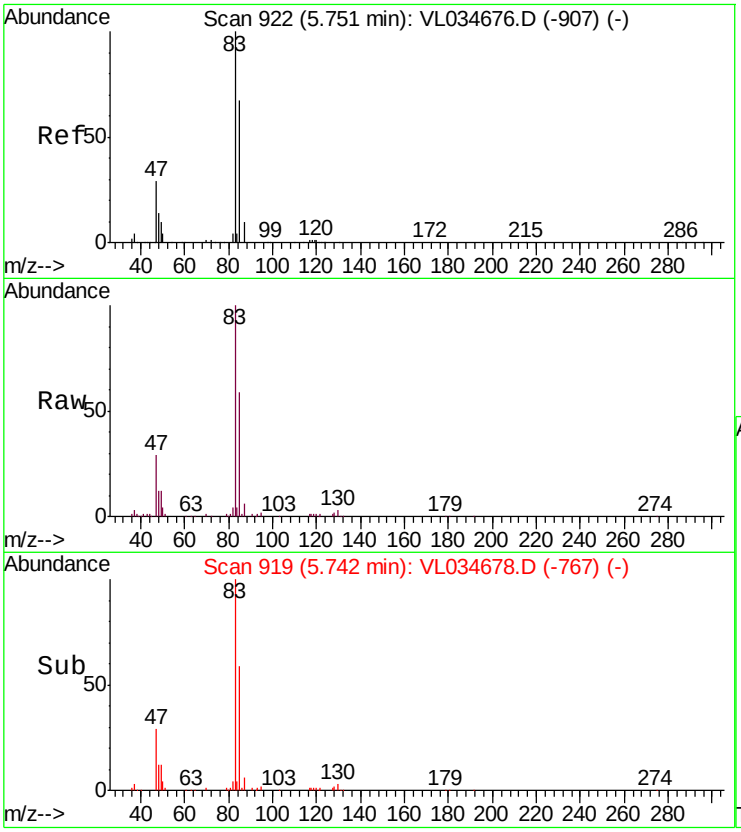


#28
Methyl tert-Butyl Ether
Concen: 0.954 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 73 Resp: 161380

Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.6	28.0



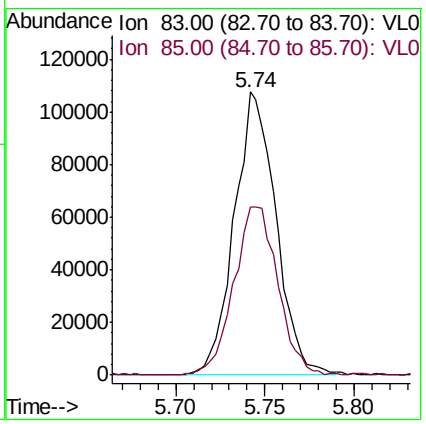


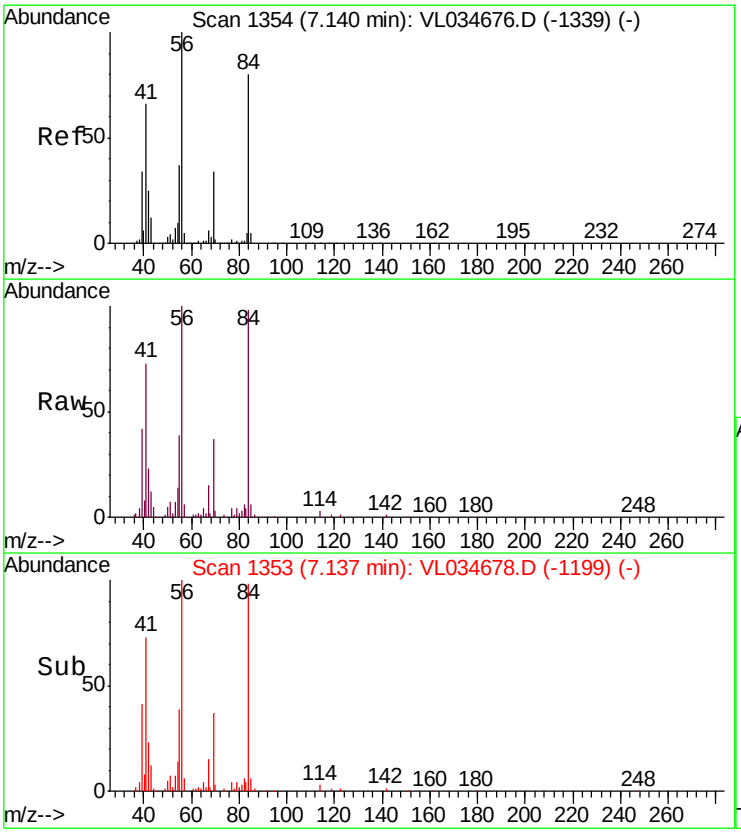
#29
Chloroform
Concen: 0.940 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 175045

Ion	Ratio	Lower	Upper
83	100		
85	58.9	53.9	80.9

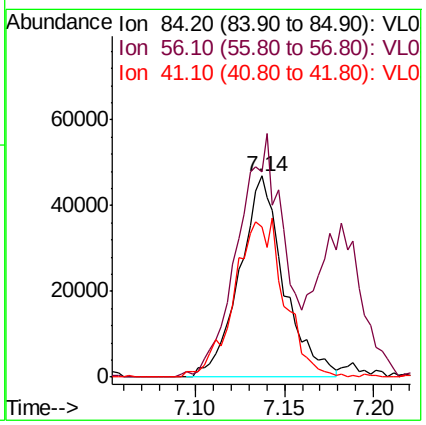


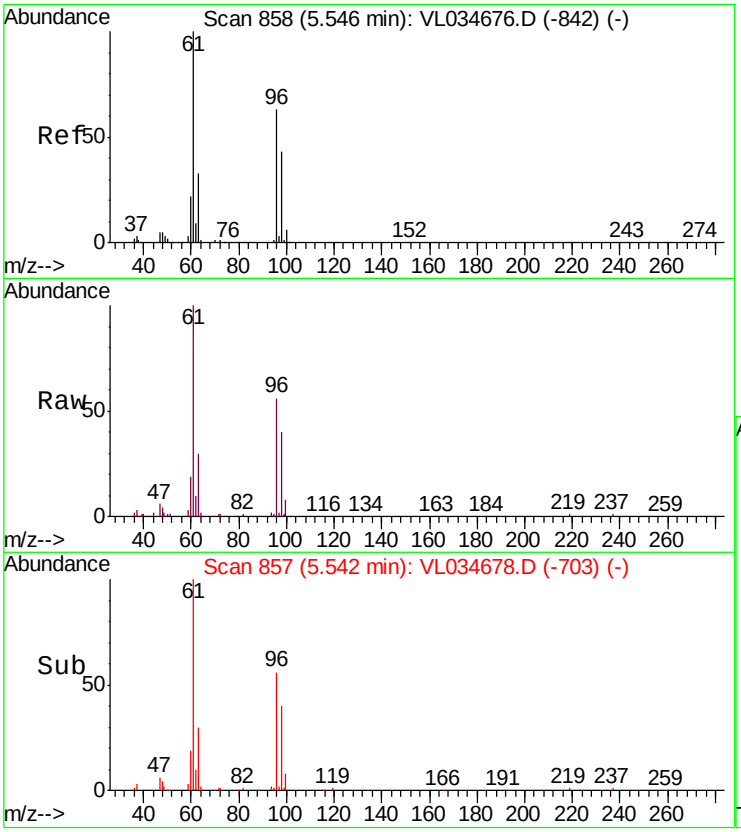


#30
Cyclohexane
Concen: 0.911 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 84 Resp: 81658

Ion	Ratio	Lower	Upper
84	100		
56	128.8	113.4	170.2
41	88.9	68.2	102.4



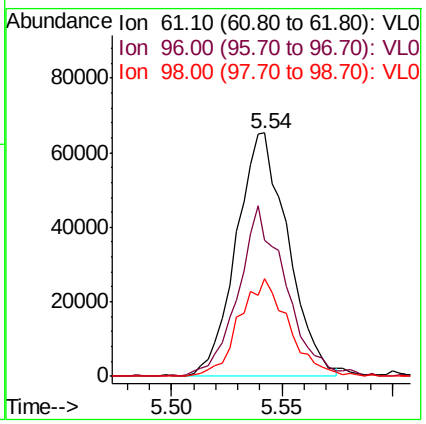


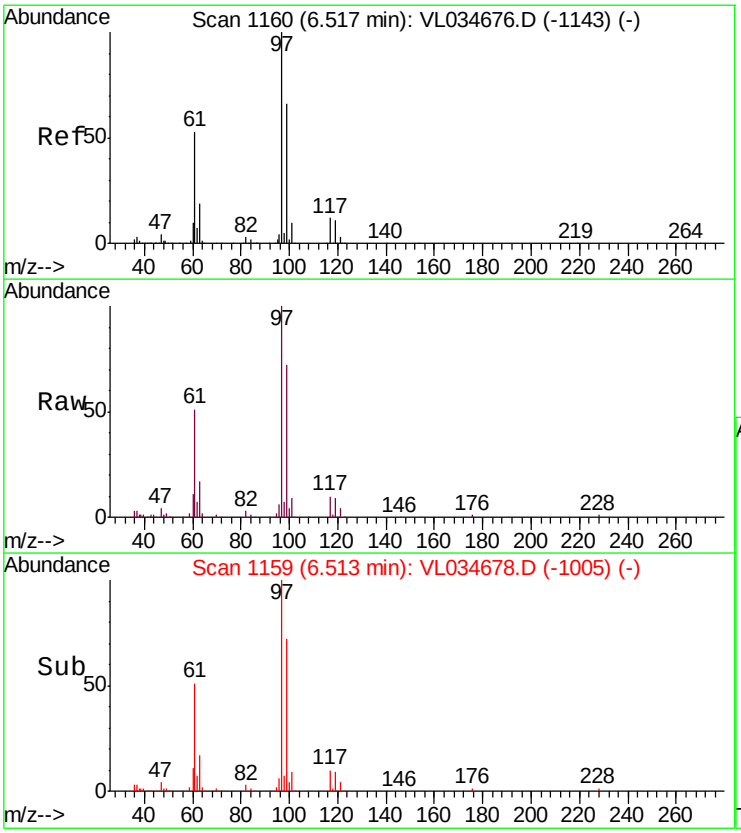
#31
cis-1,2-Dichloroethene
Concen: 0.937 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 106353

Ion	Ratio	Lower	Upper
61	100		
96	55.0	50.2	75.2
98	40.0	34.3	51.5

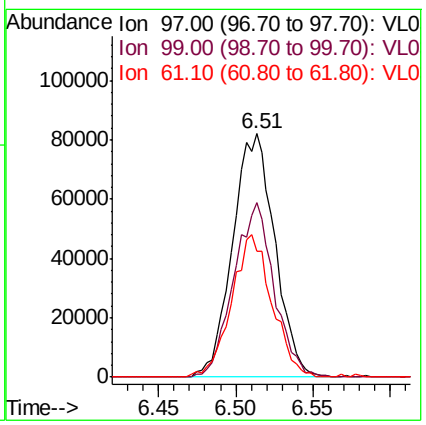


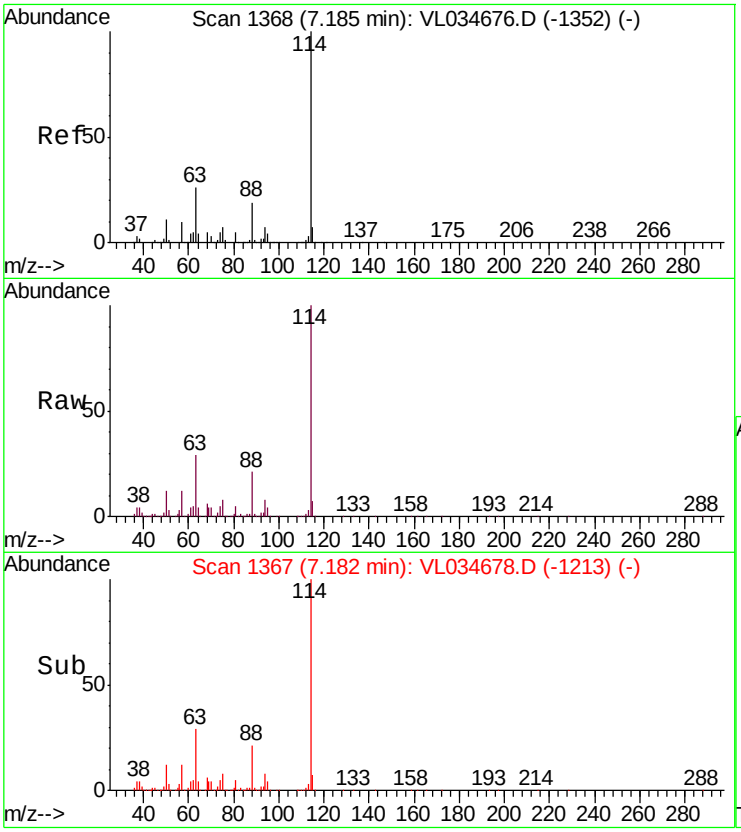


#32
1,1,1-Trichloroethane
Concen: 0.913 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 97 Resp: 155715

Ion	Ratio	Lower	Upper
97	100		
99	68.5	52.3	78.5
61	56.3	42.8	64.2



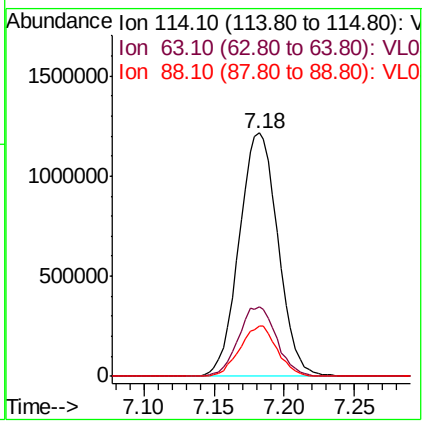


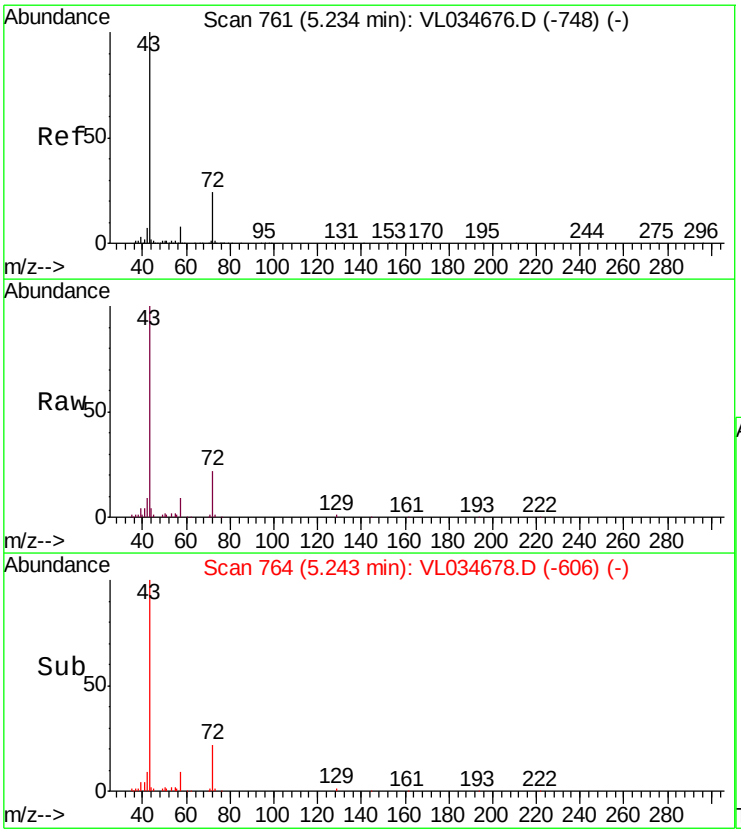
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2345739

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.9	34.3
88	19.9	15.8	23.6

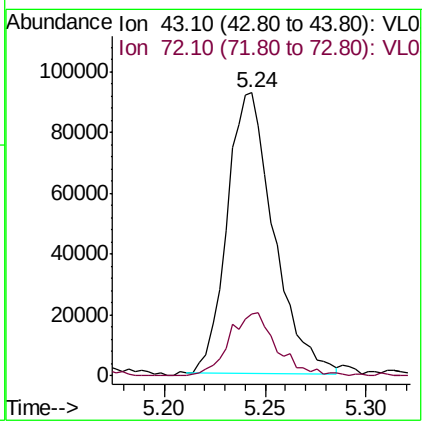


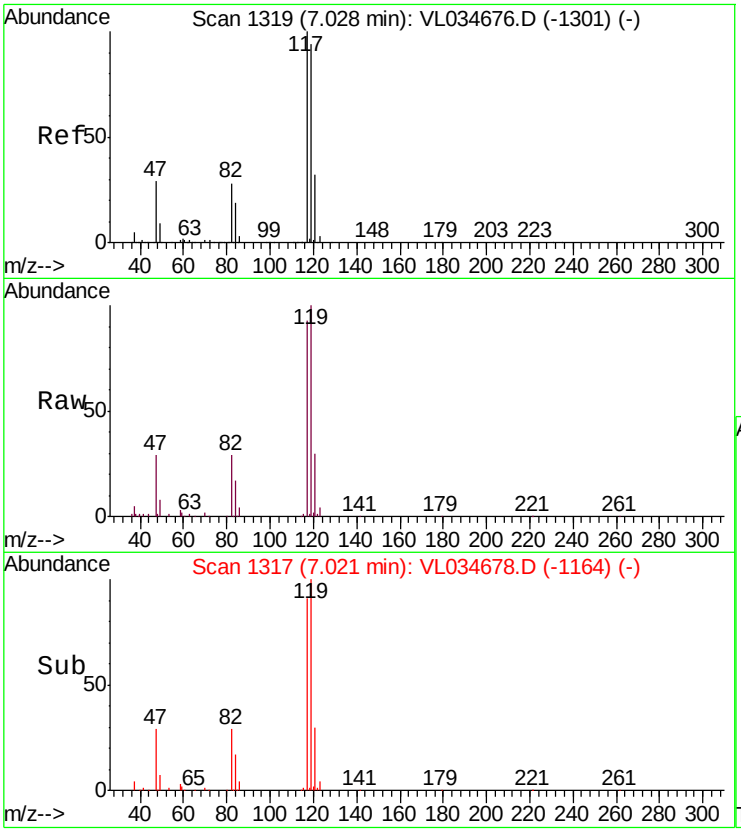


#34
2-Butanone
Concen: 0.901 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 43 Resp: 149817

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.2	27.2



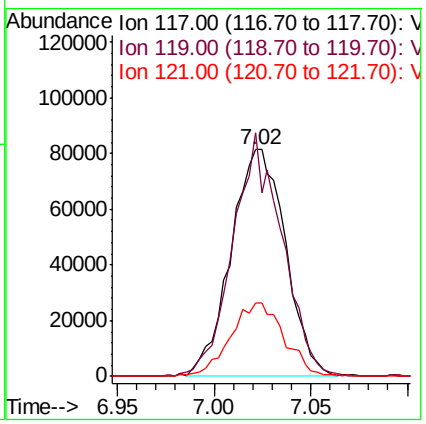


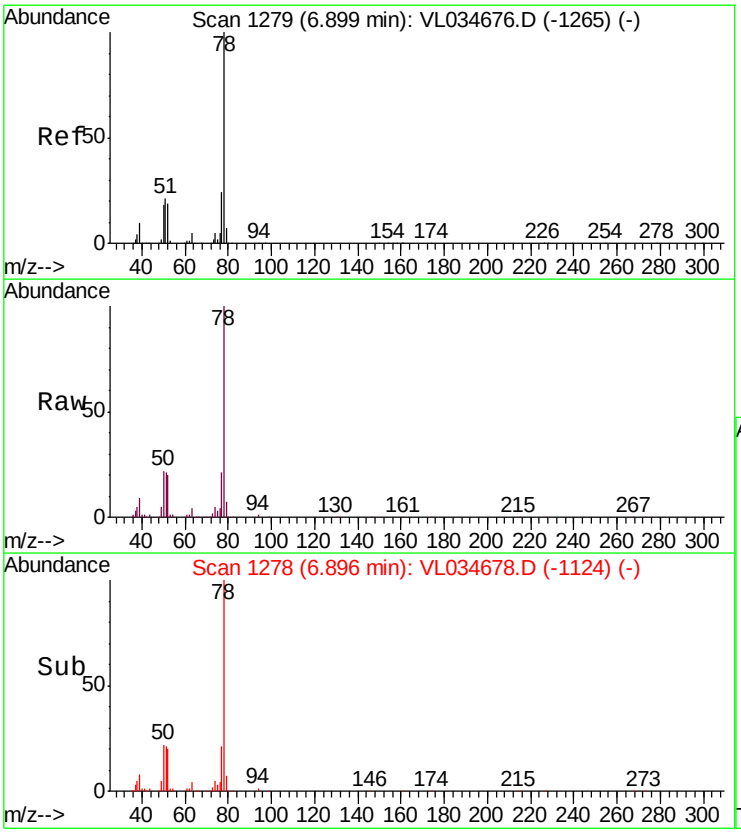
#35
Carbon Tetrachloride
Concen: 0.893 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 159498

Ion	Ratio	Lower	Upper
117	100		
119	106.0	75.5	113.3
121	32.8	25.4	38.0

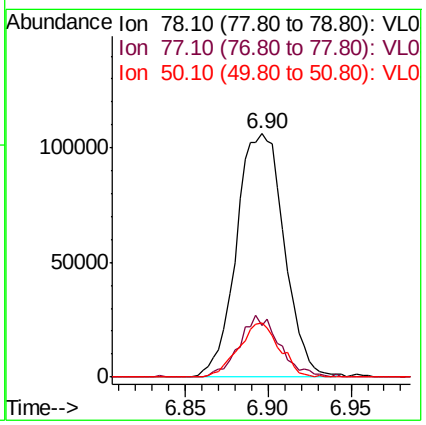


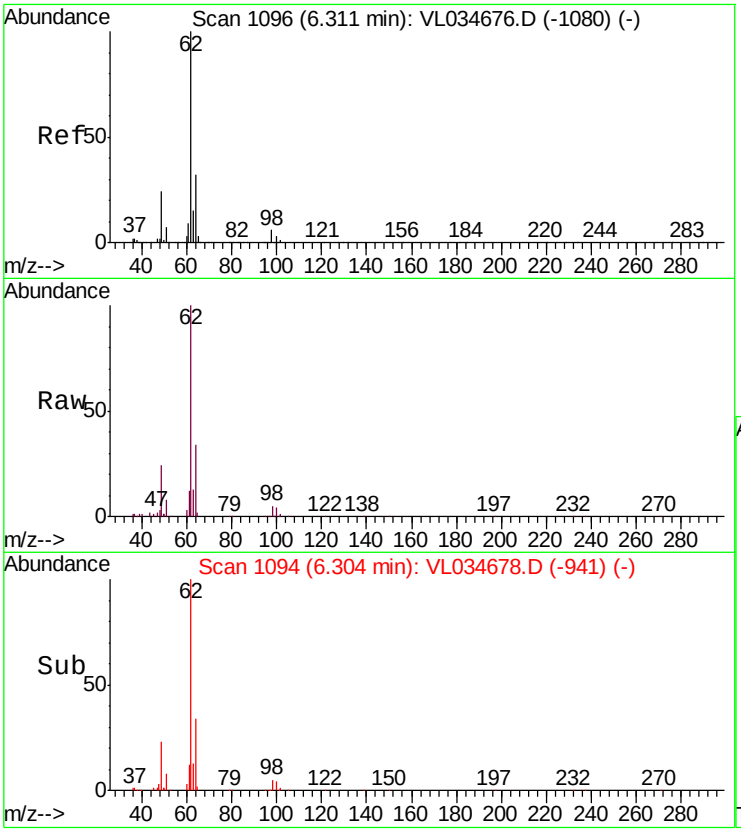


#36
Benzene
Concen: 0.960 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 78 Resp: 212117

Ion	Ratio	Lower	Upper
78	100		
77	21.3	19.5	29.3
50	22.2	14.6	21.8#



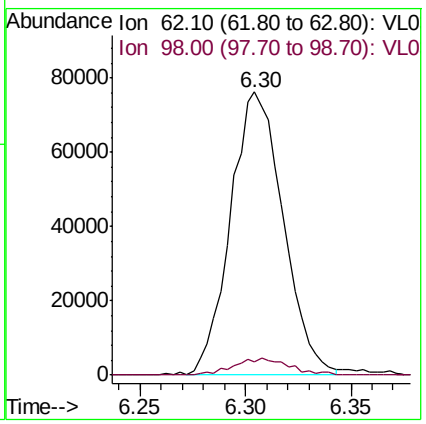


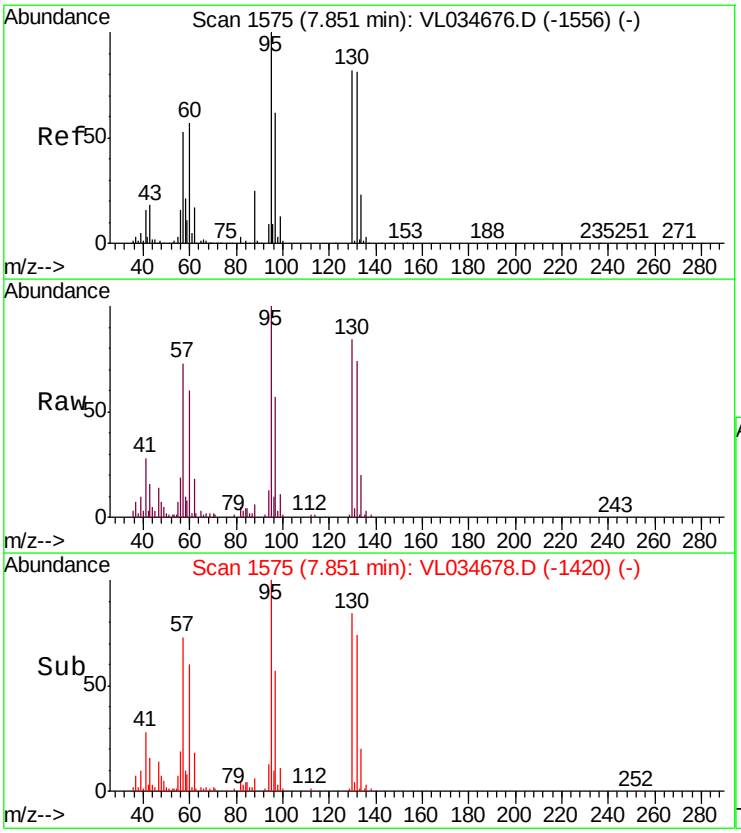
#37
1,2-Dichloroethane
Concen: 0.909 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 131524

Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.7	7.1

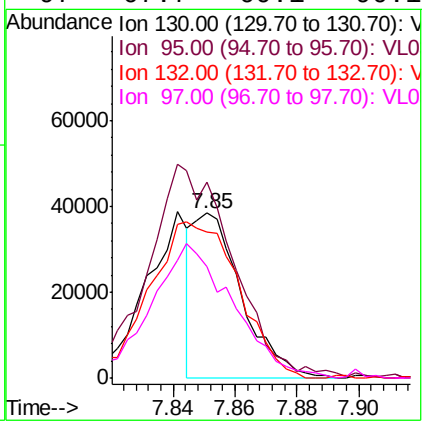


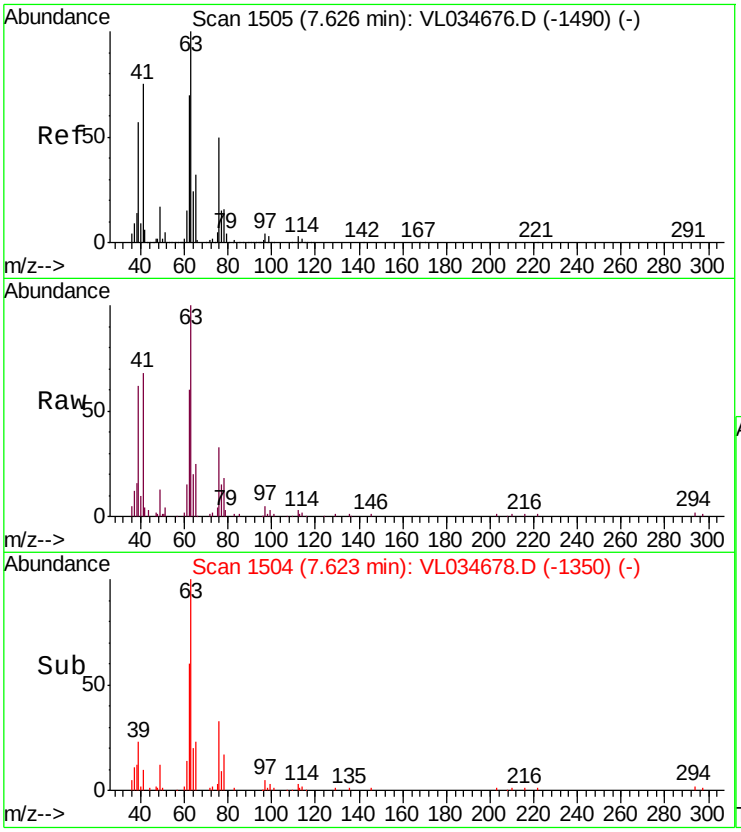


#38
Trichloroethene
Concen: 0.491 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:130 Resp: 41206

Ion	Ratio	Lower	Upper
130	100		
95	115.3	97.1	145.7
132	86.6	78.3	117.5
97	67.7	60.1	90.1



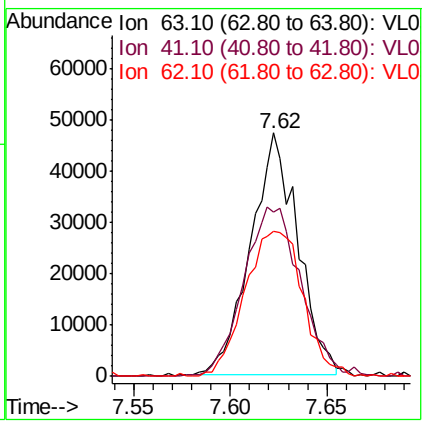


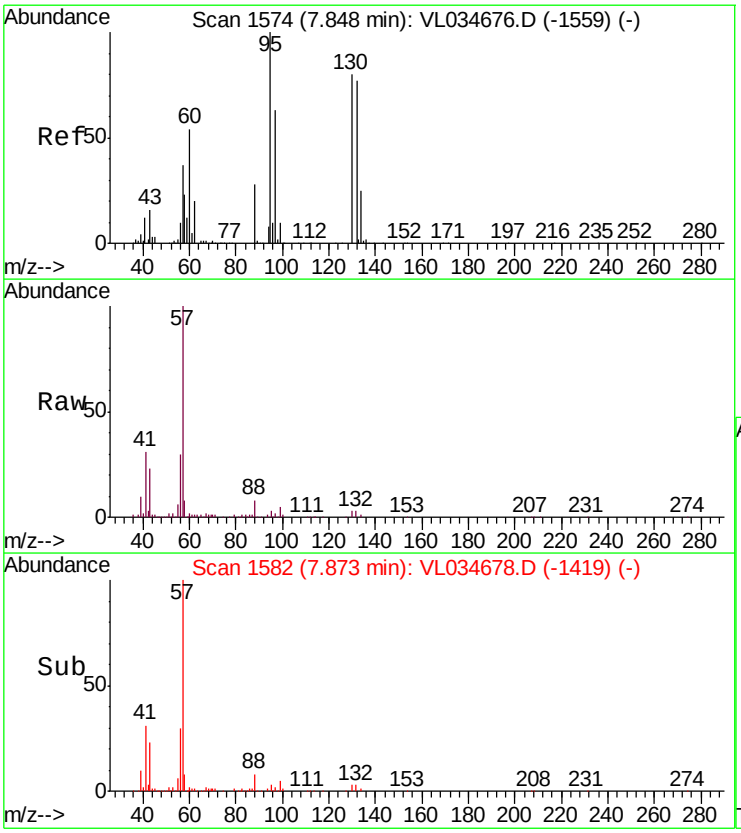
#39
1,2-Dichloropropane
Concen: 0.882 ppbv
RT: 7.62 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 80196

Ion	Ratio	Lower	Upper
63	100		
41	67.1	60.2	90.4
62	59.9	56.3	84.5

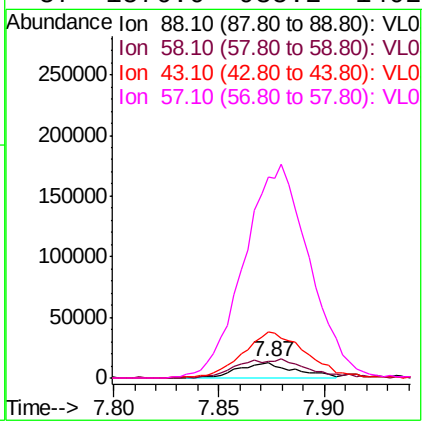


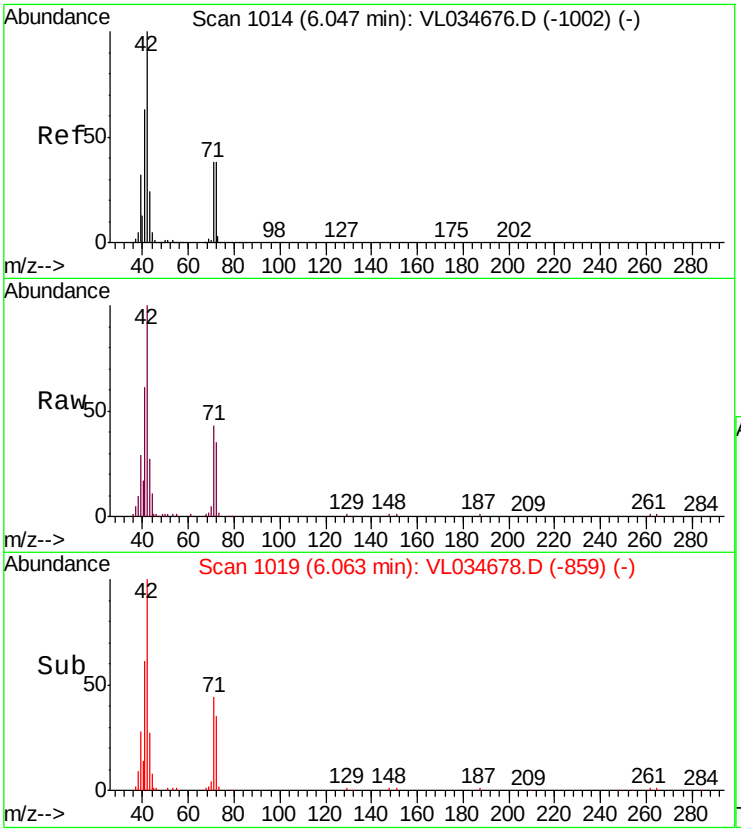


#40
1,4-Dioxane
Concen: 0.711 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.03 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 88 Resp: 24171

Ion	Ratio	Lower	Upper
88	100		
58	162.6	104.6	156.8#
43	336.7	212.9	319.3#
57	1576.0	935.2	1402.8#



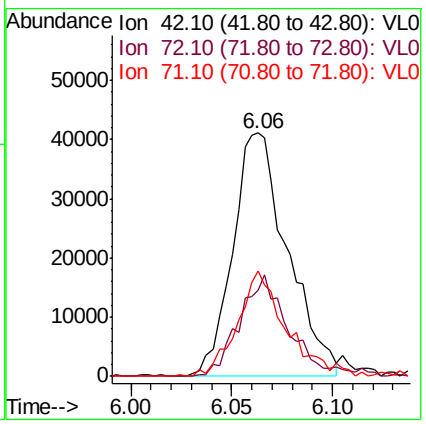


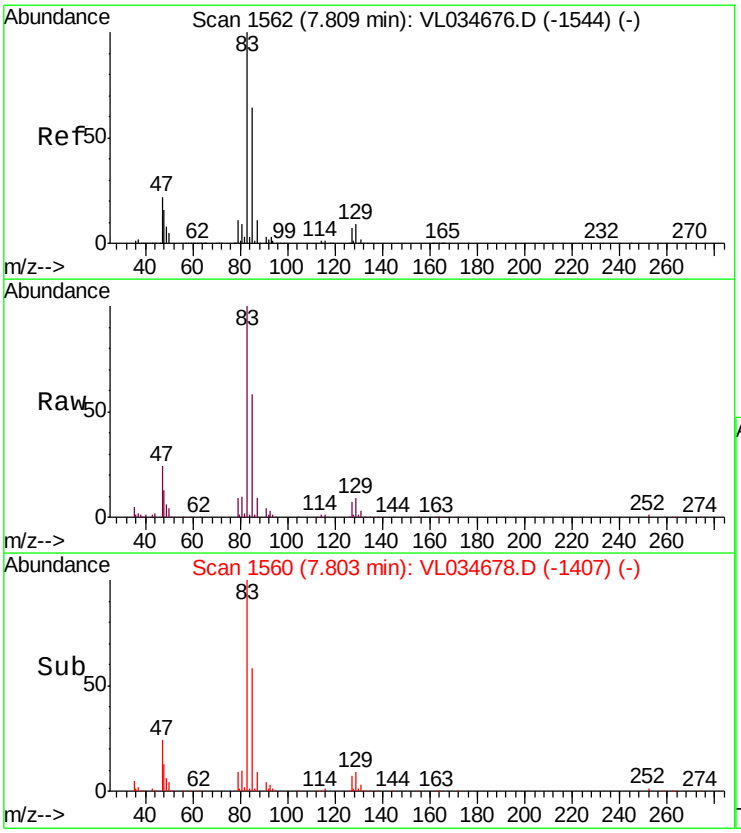
#41
Tetrahydrofuran
Concen: 0.897 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 78064

Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.7	47.5
71	39.7	30.7	46.1

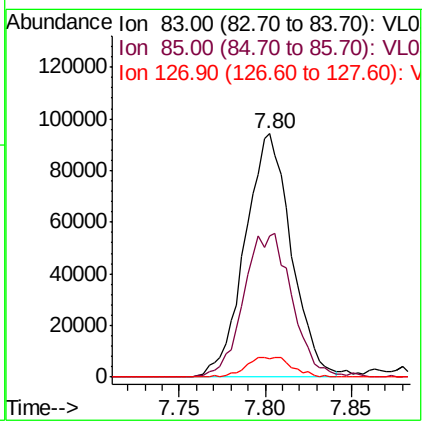


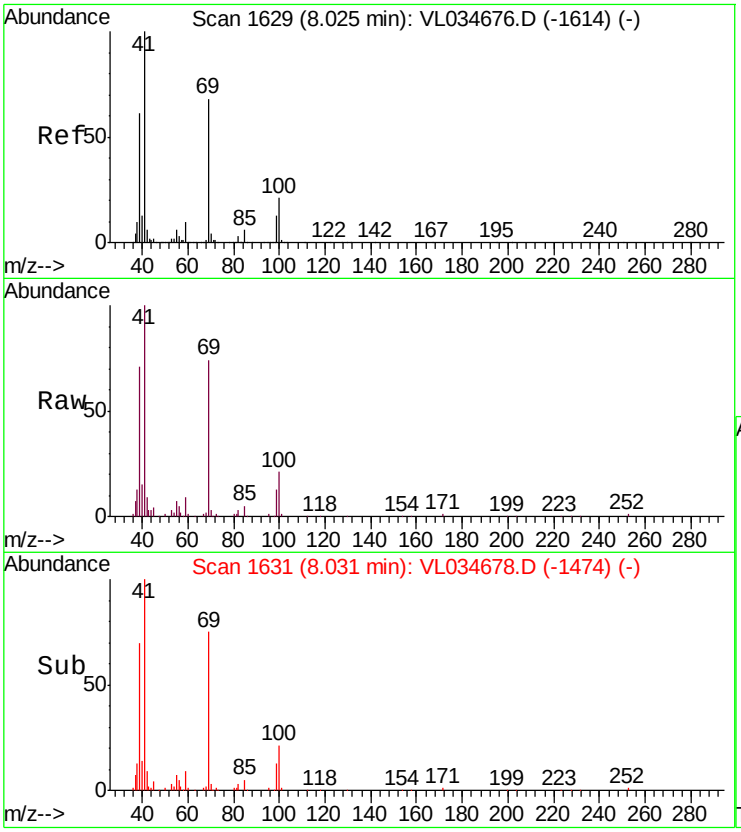


#42
Bromodichloromethane
Concen: 0.936 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 83 Resp: 175598

Ion	Ratio	Lower	Upper
83	100		
85	58.2	51.1	76.7
127	7.4	5.8	8.8



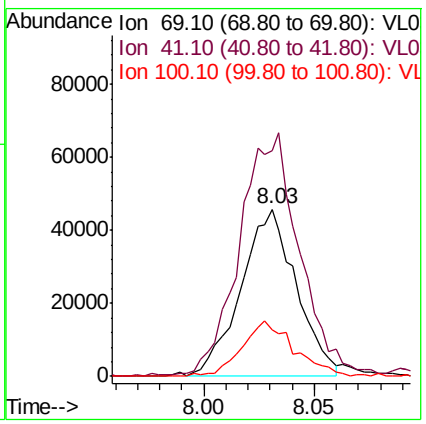


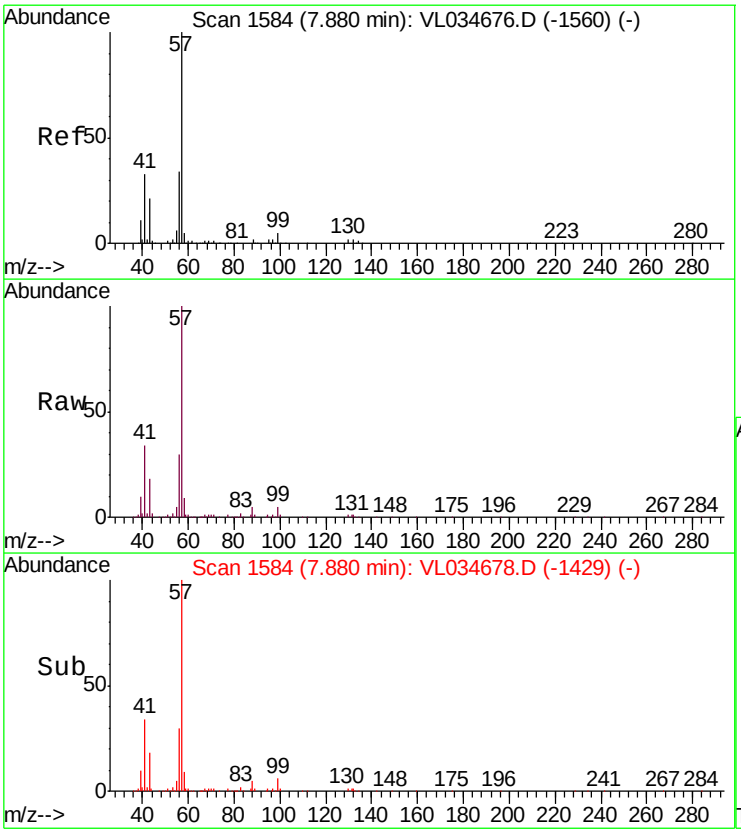
#43
Methyl Methacrylate
Concen: 0.911 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 78939

Ion	Ratio	Lower	Upper
69	100		
41	160.4	118.2	177.2
100	32.1	24.2	36.2

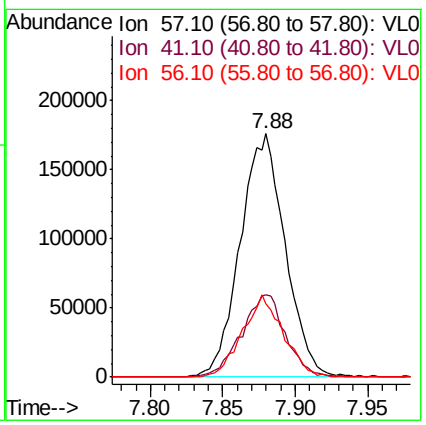


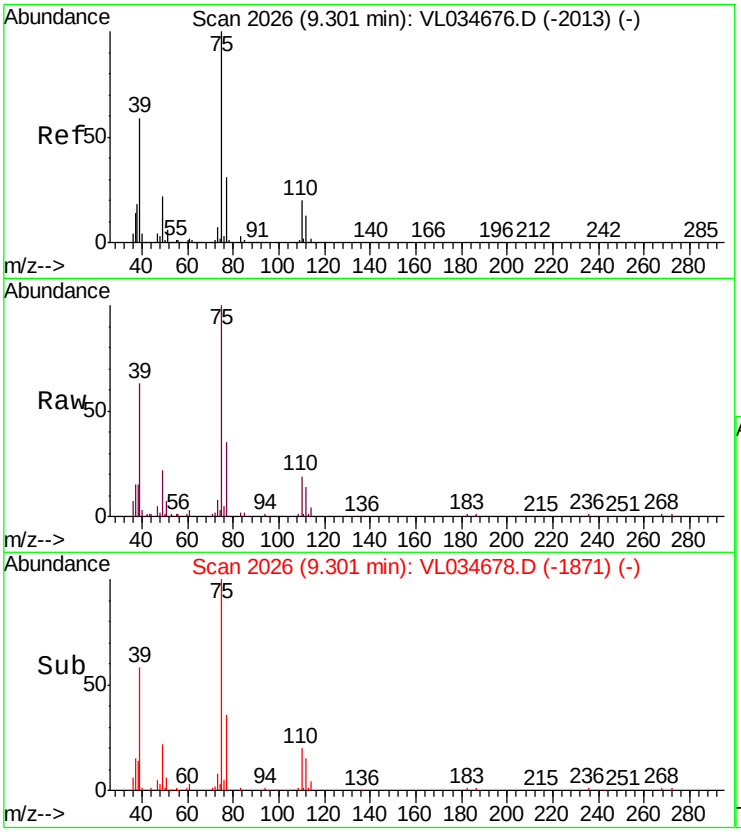


#44
2,2,4-Trimethylpentane
Concen: 0.954 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 57 Resp: 378872

Ion	Ratio	Lower	Upper
57	100		
41	33.4	26.0	39.0
56	30.7	25.6	38.4



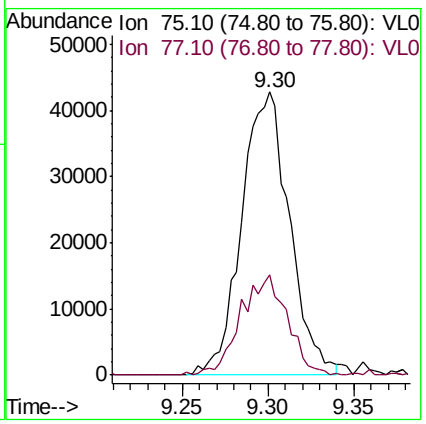


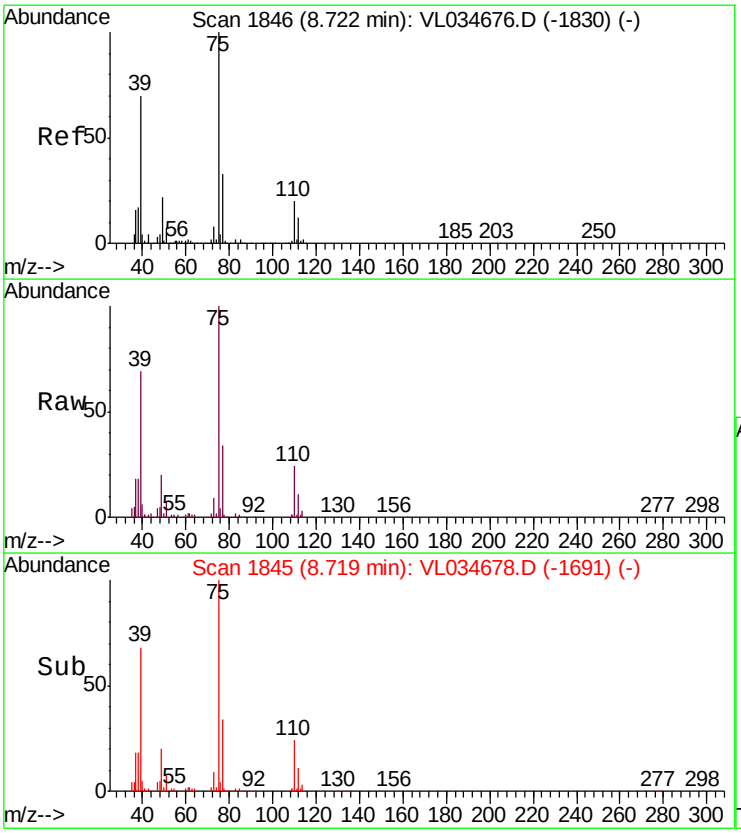
#45
t-1,3-Dichloropropene
Concen: 0.817 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 82854

Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.3	37.9

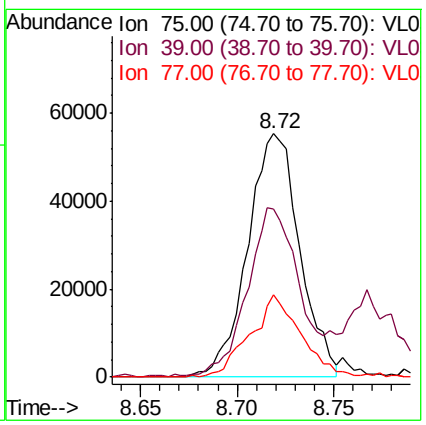


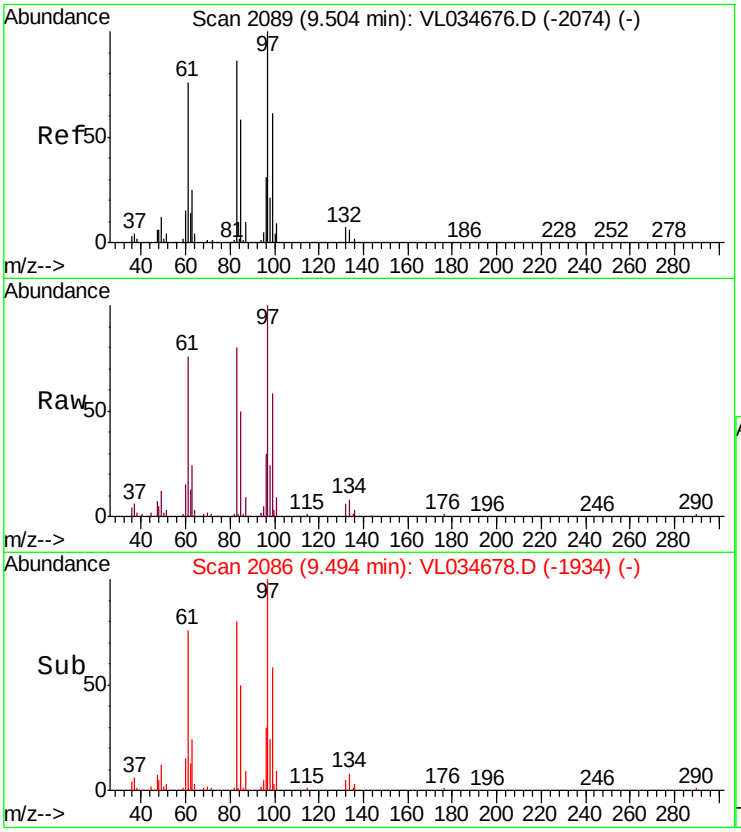


#46
cis-1,3-Dichloropropene
Concen: 0.871 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 75 Resp: 103280

Ion	Ratio	Lower	Upper
75	100		
39	68.5	55.7	83.5
77	33.7	26.3	39.5



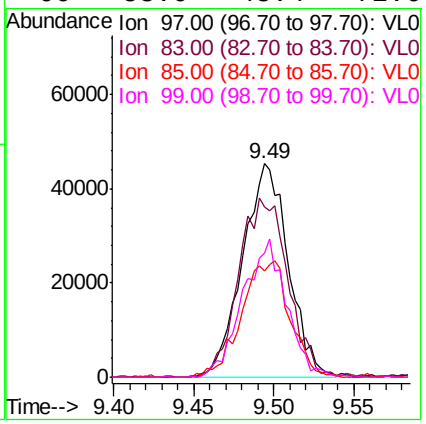


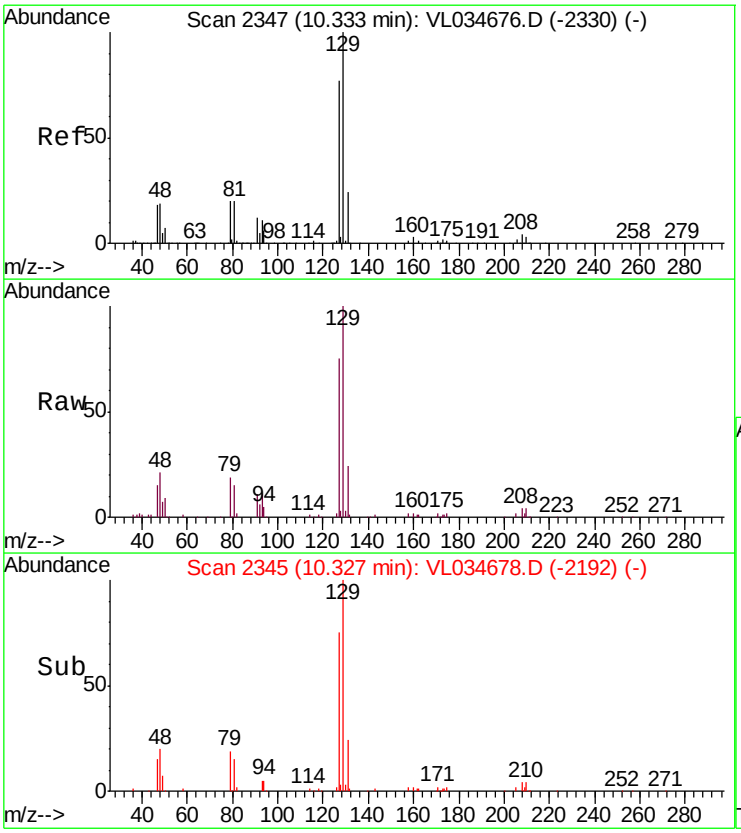
#47
1,1,2-Trichloroethane
Concen: 0.928 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 89220

Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.4	104.0
85	49.5	46.4	69.6
99	58.0	48.4	72.6

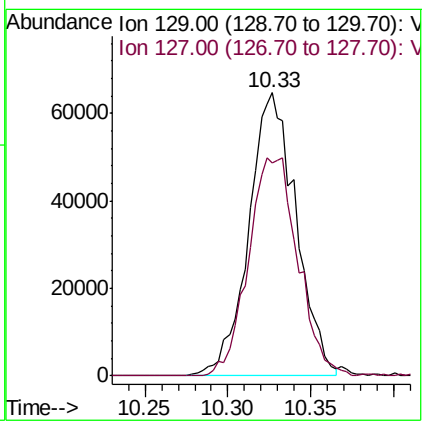


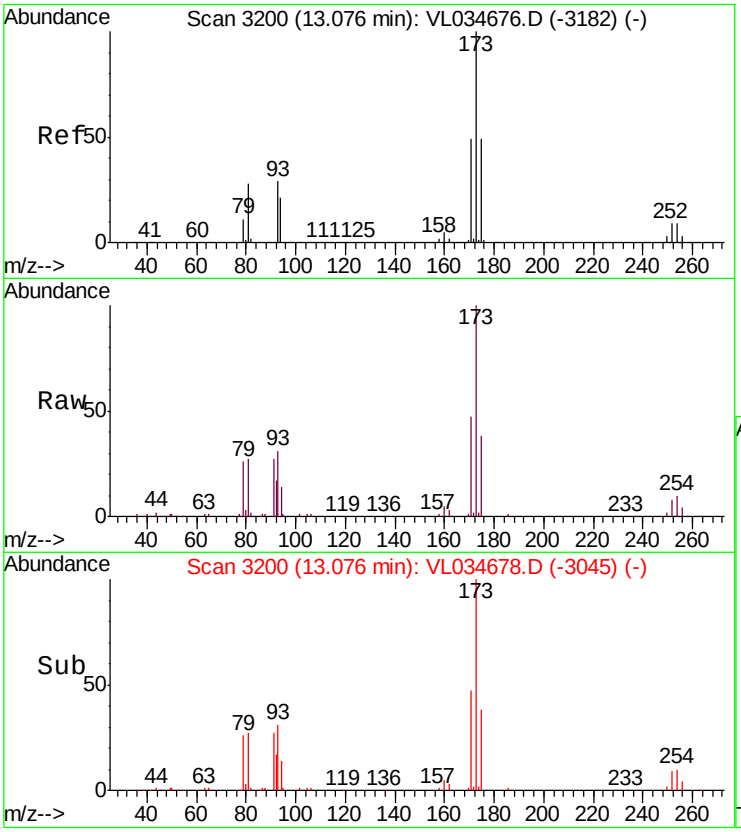


#48
Dibromochloromethane
Concen: 0.867 ppbv
RT: 10.33 min Scan# 2345
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:129 Resp: 127984

Ion	Ratio	Lower	Upper
129	100		
127	81.0	39.3	117.8



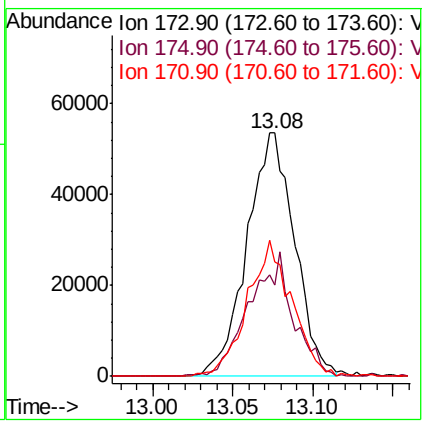


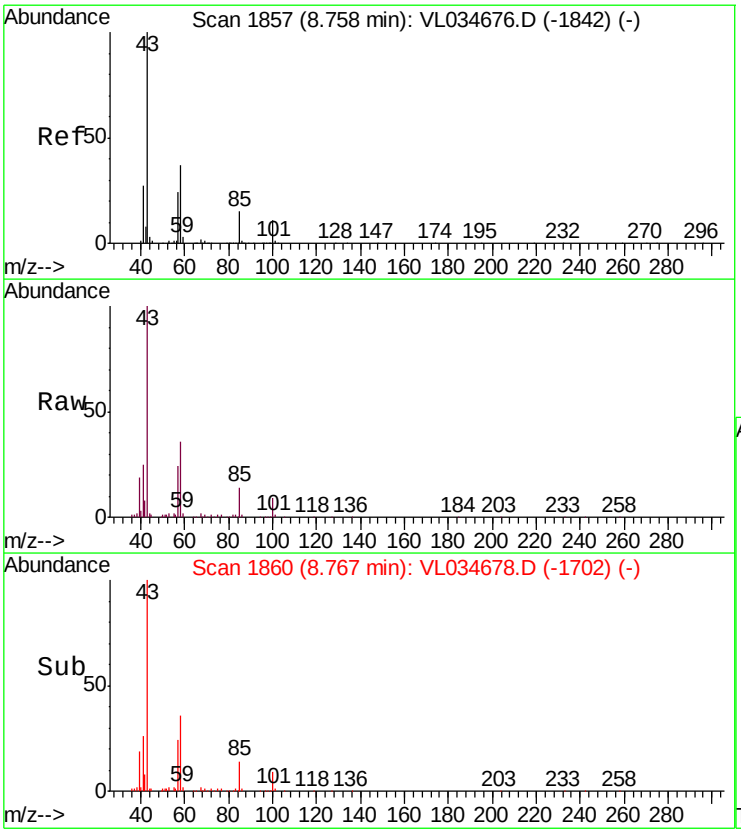
#49
Bromoform
Concen: 0.848 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:173 Resp: 109410

Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.6	58.0
171	52.2	41.5	62.3

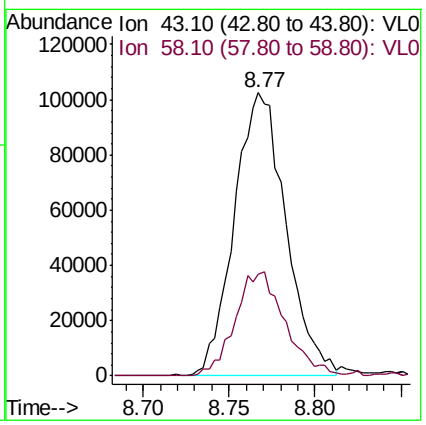


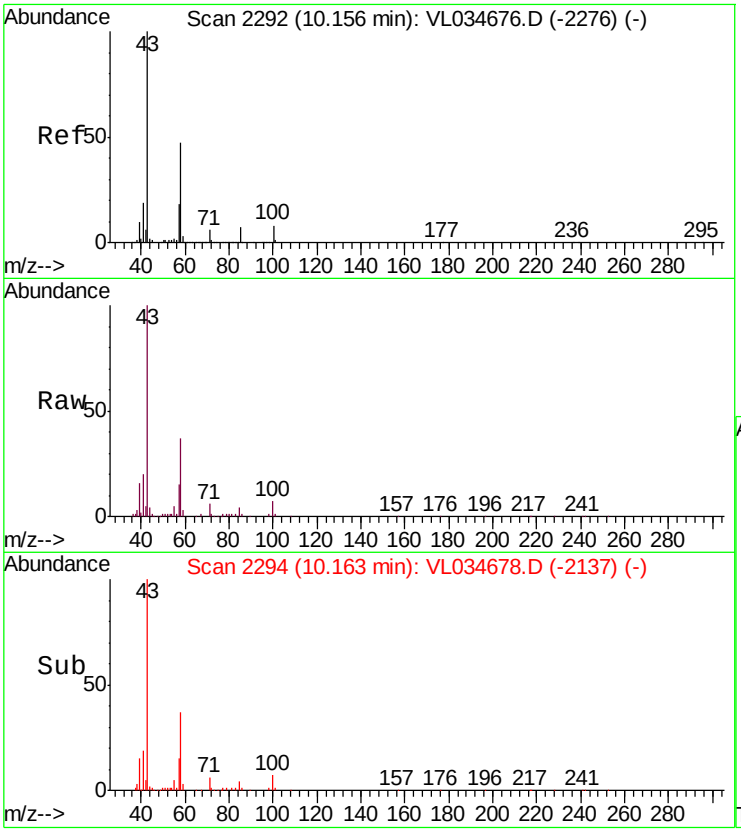


#50
4-Methyl-2-Pentanone
Concen: 0.905 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 43 Resp: 213897

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.0	43.6



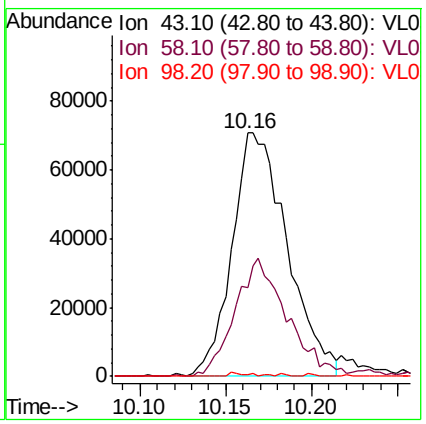


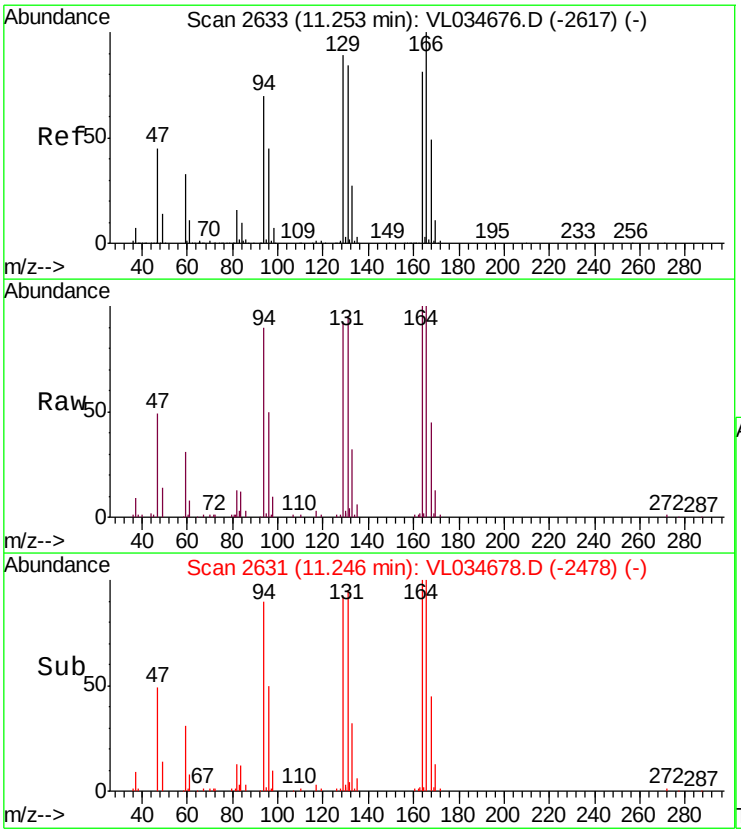
#51
2-Hexanone
Concen: 0.850 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 158343

Ion	Ratio	Lower	Upper
43	100		
58	47.6	39.4	59.0
98	1.0	0.2	0.2#

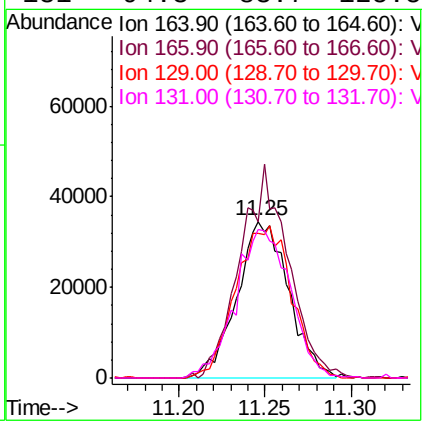


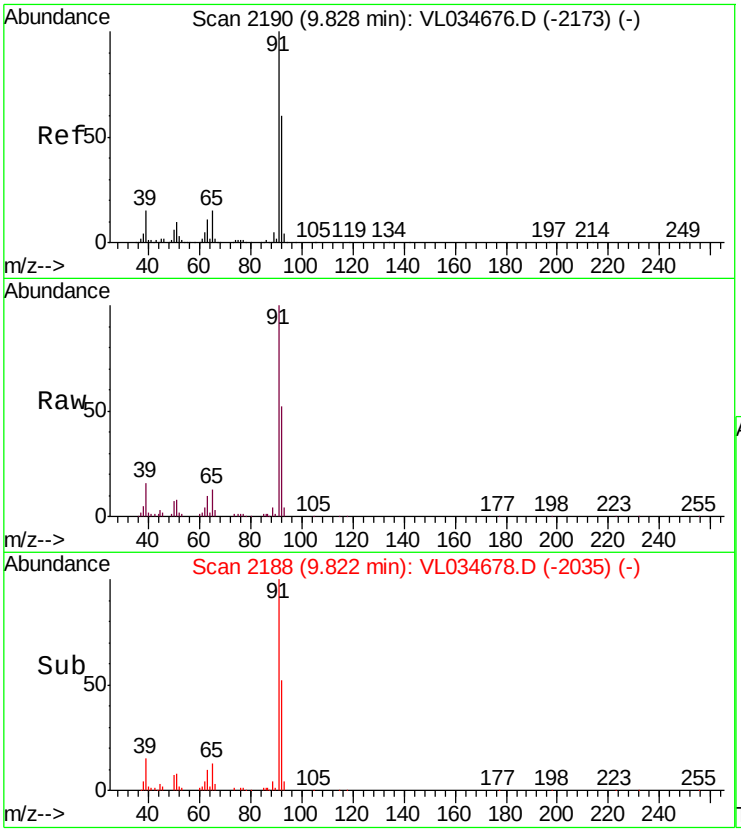


#52
Tetrachloroethene
Concen: 0.925 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:164 Resp: 72109

Ion	Ratio	Lower	Upper
164	100		
166	99.3	99.2	148.8
129	94.3	88.0	132.0
131	94.3	83.7	125.5



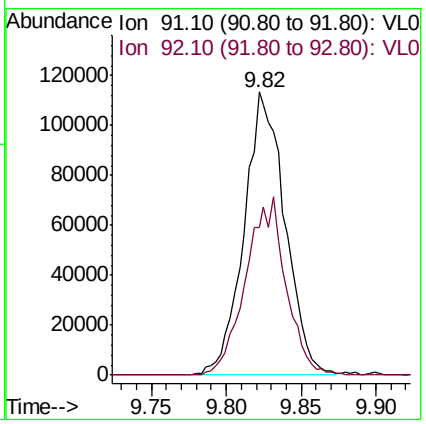


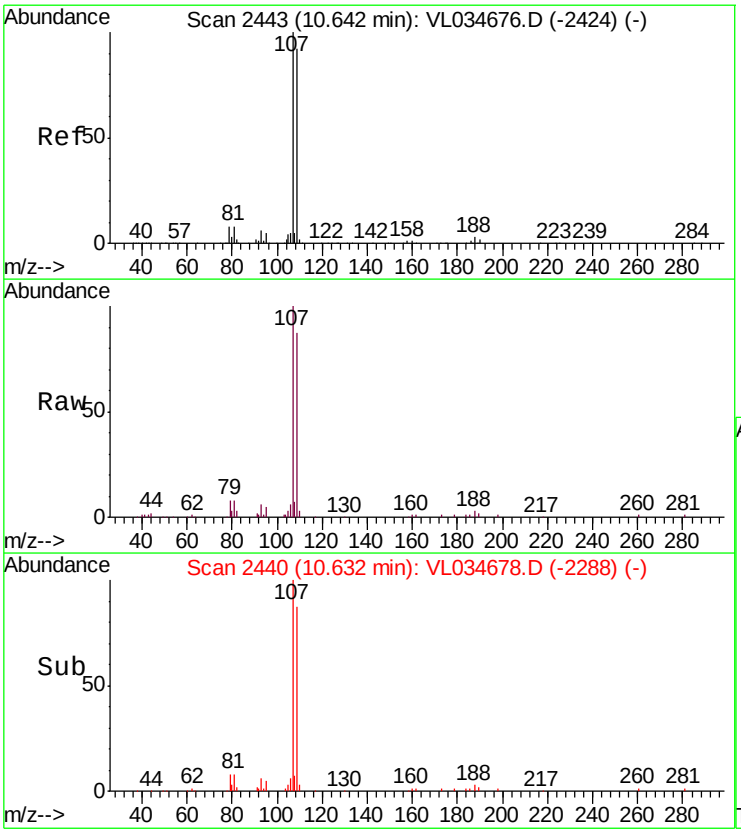
#53
Toluene
Concen: 0.910 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 216198

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.5	72.7

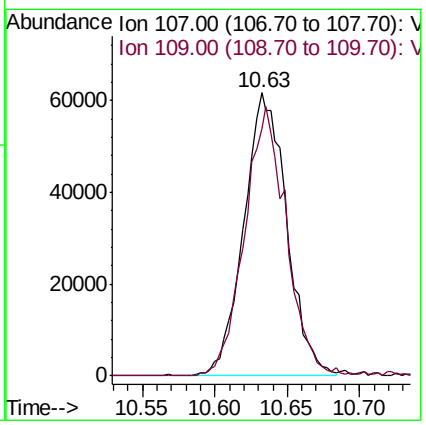


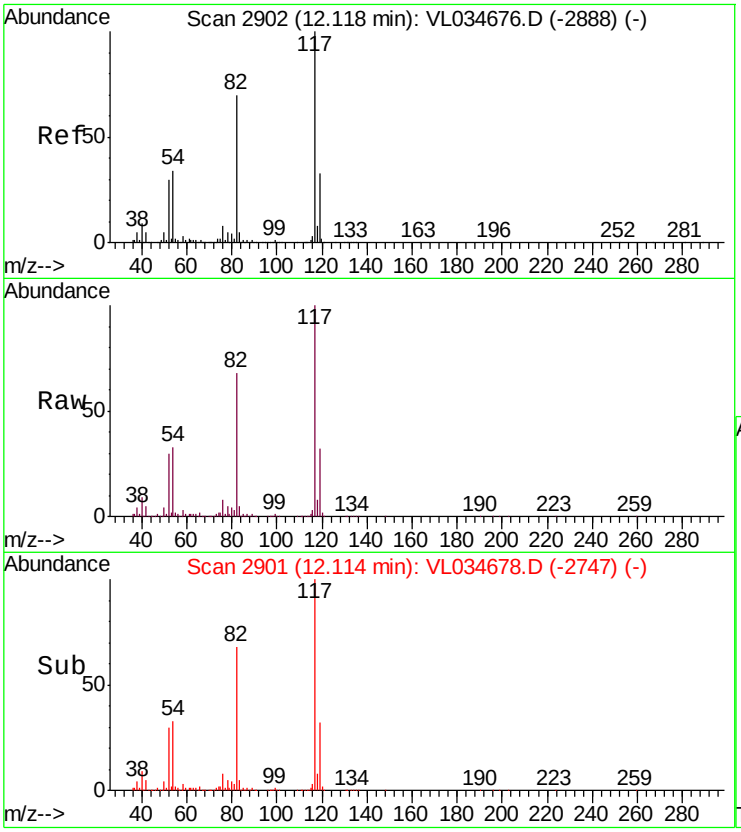


#54
1,2-Dibromoethane
Concen: 0.947 ppbv
RT: 10.63 min Scan# 2440
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:107 Resp: 126742

Ion	Ratio	Lower	Upper
107	100		
109	87.5	73.9	110.9



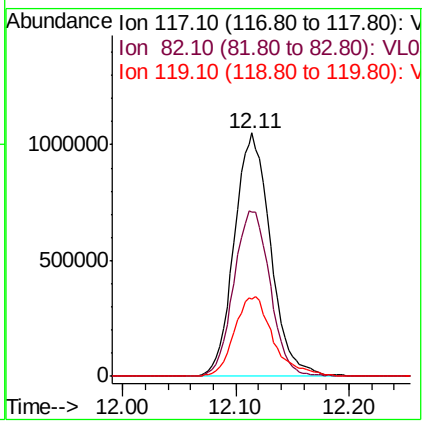


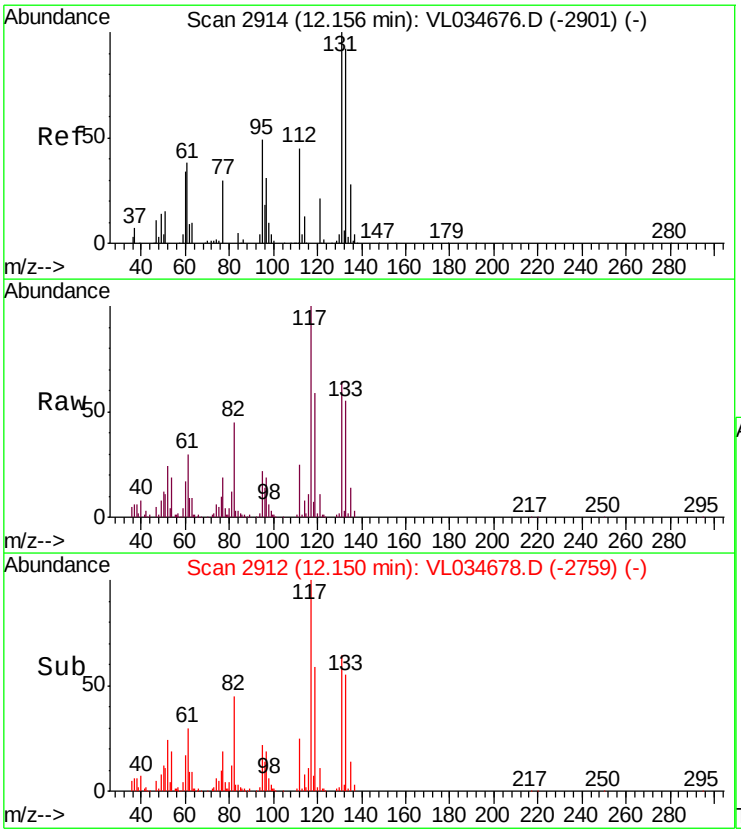
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2346943

Ion	Ratio	Lower	Upper
117	100		
82	68.1	54.1	81.1
119	35.1	27.6	41.4

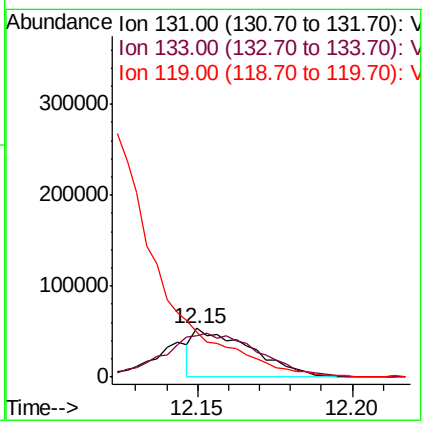


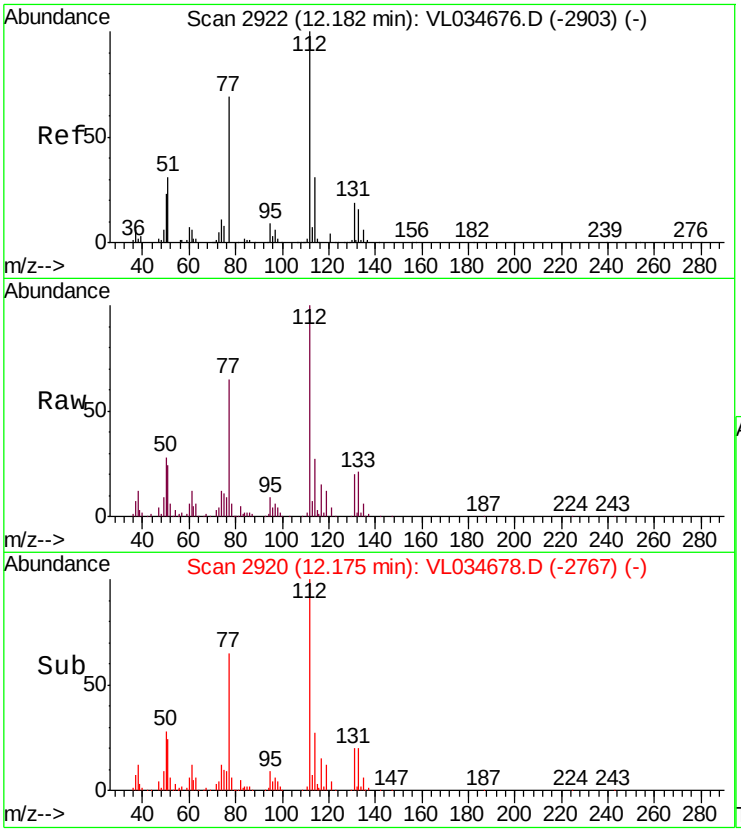


#56
1,1,1,2-Tetrachloroethane
Concen: 0.675 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:131 Resp: 69235

Ion	Ratio	Lower	Upper
131	100		
133	152.3	76.6	114.8#
119	0.0	51.3	76.9#



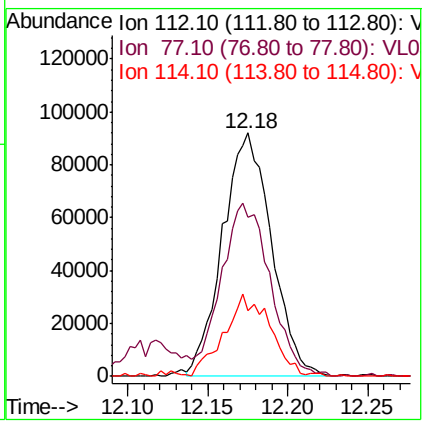


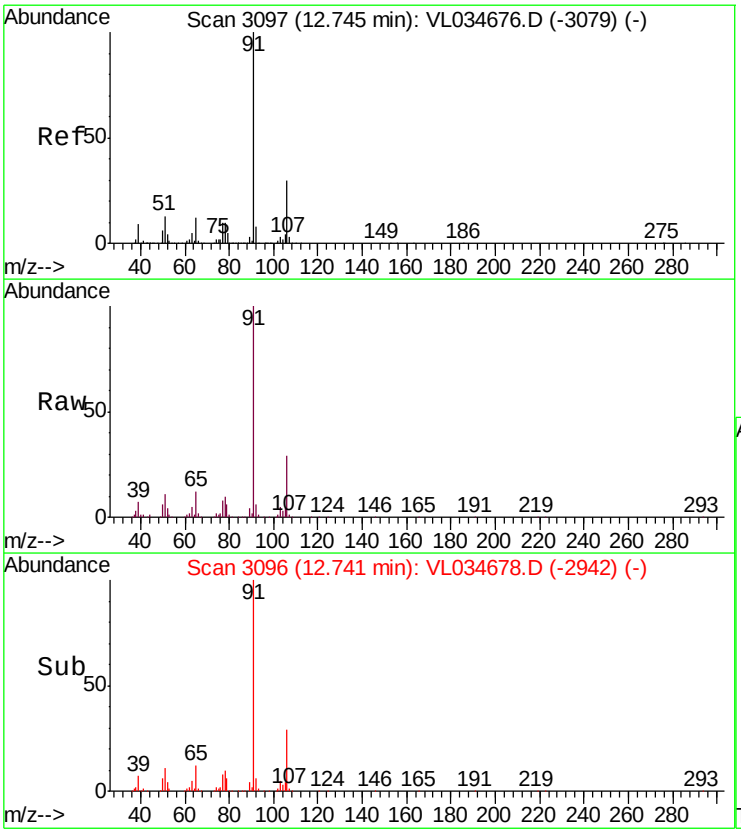
#57
Chlorobenzene
Concen: 0.994 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:112 Resp: 192776

Ion	Ratio	Lower	Upper
112	100		
77	65.1	56.5	84.7
114	27.1	28.1	34.3#

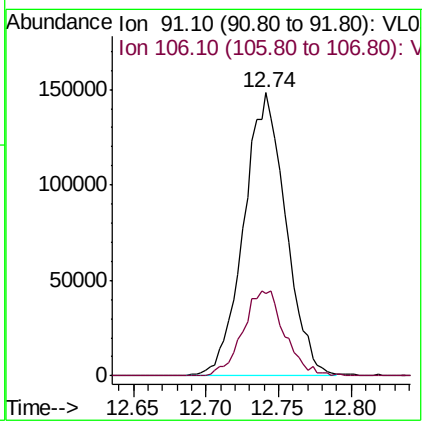


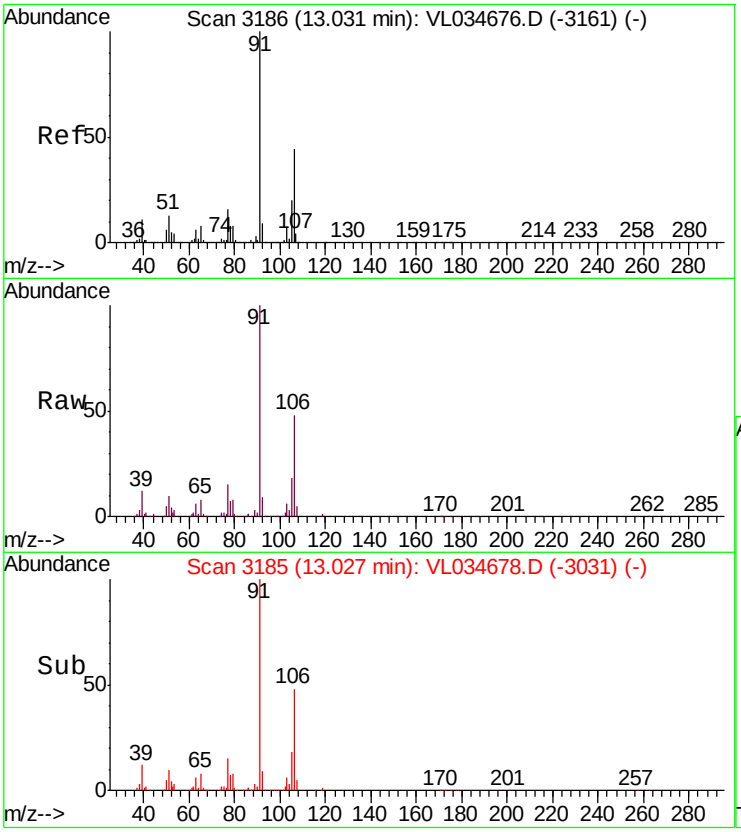


#58
Ethyl Benzene
Concen: 0.959 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 91 Resp: 299365

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.0	36.0



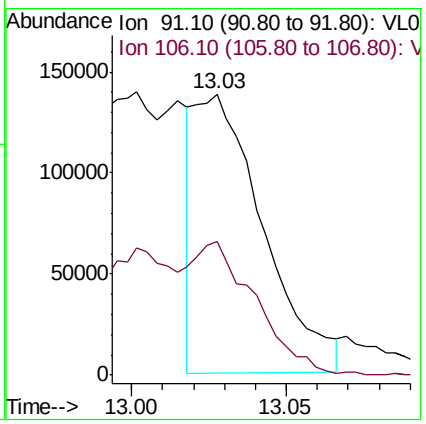


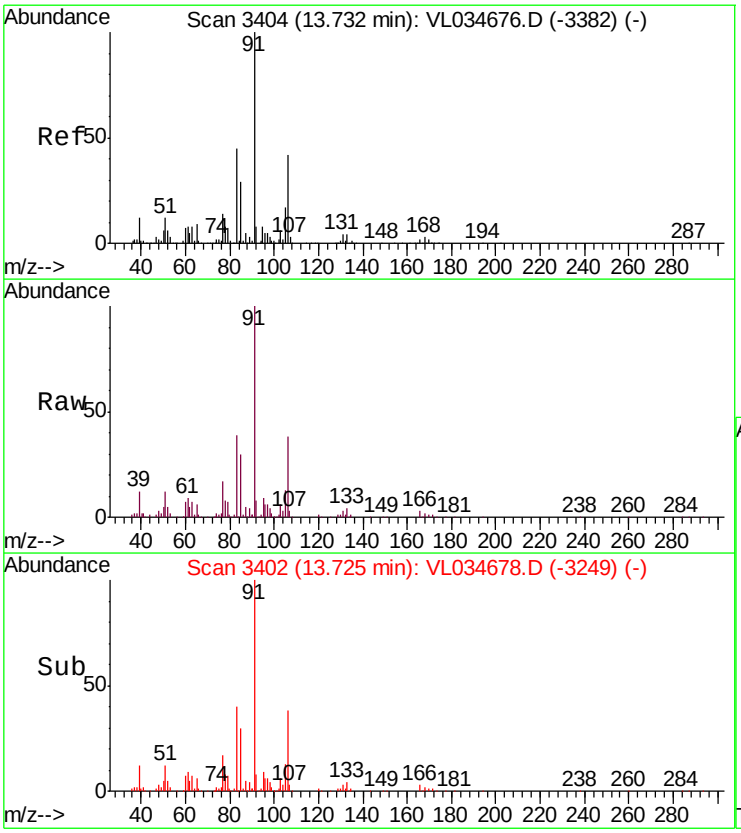
#59
m/p-Xylene
Concen: 0.770 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 211025

Ion	Ratio	Lower	Upper
91	100		
106	107.3	35.6	53.4#

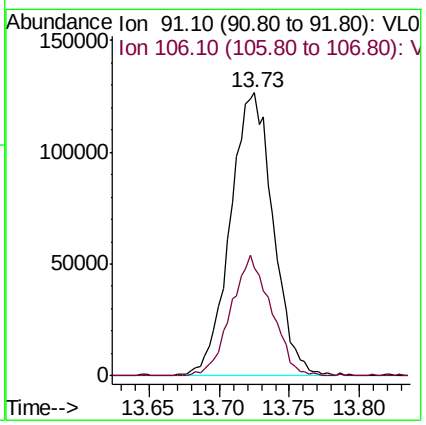


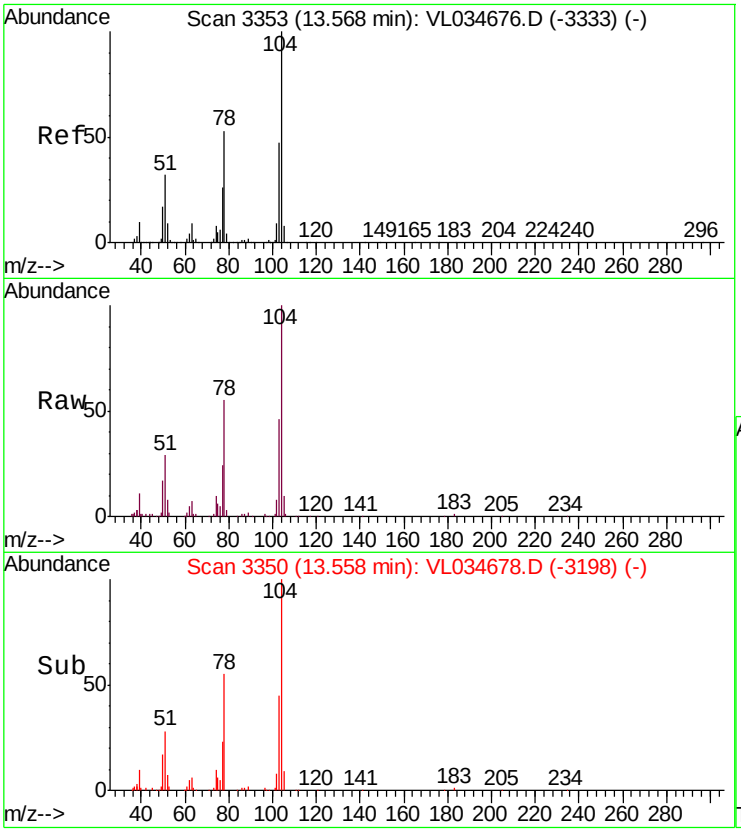


#60
o-Xylene
Concen: 0.975 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 91 Resp: 266911

Ion	Ratio	Lower	Upper
91	100		
106	40.6	21.9	65.5



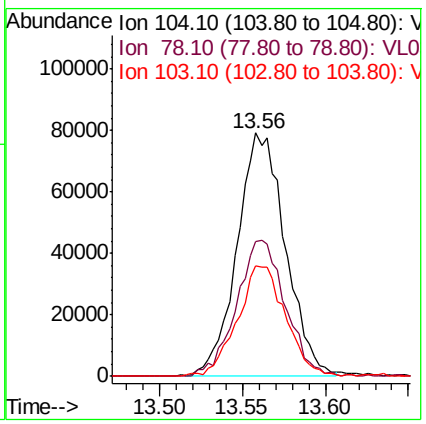


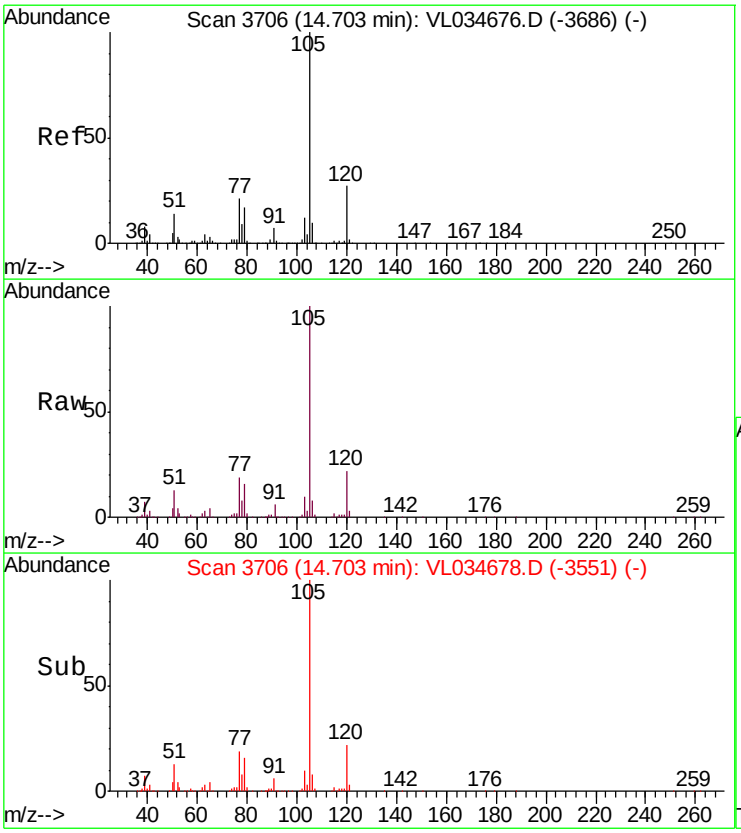
#61
Styrene
Concen: 0.849 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 158778

Ion	Ratio	Lower	Upper
104	100		
78	57.0	44.2	66.4
103	46.4	37.4	56.0

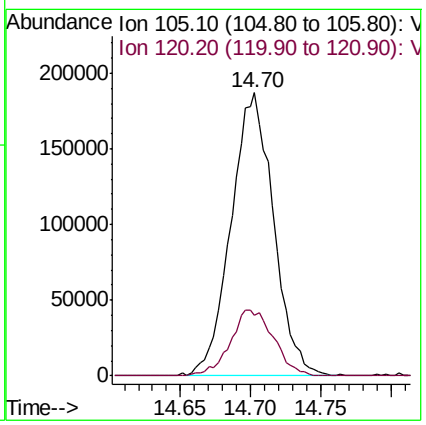


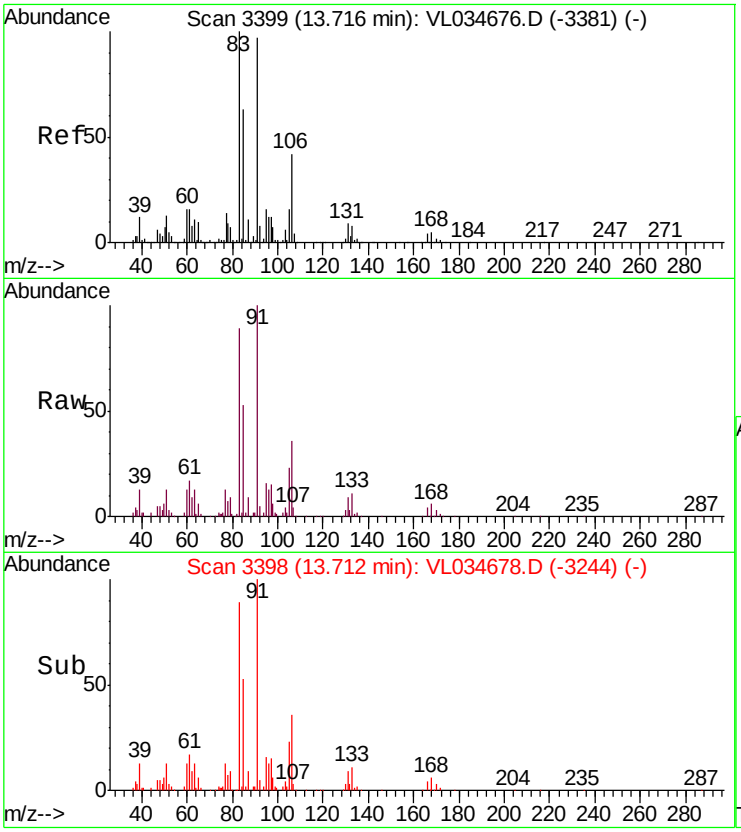


#62
Isopropylbenzene
Concen: 1.079 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:105 Resp: 391165

Ion	Ratio	Lower	Upper
105	100		
120	24.1	20.2	30.4



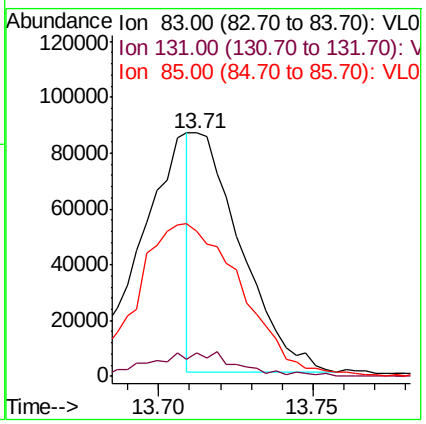


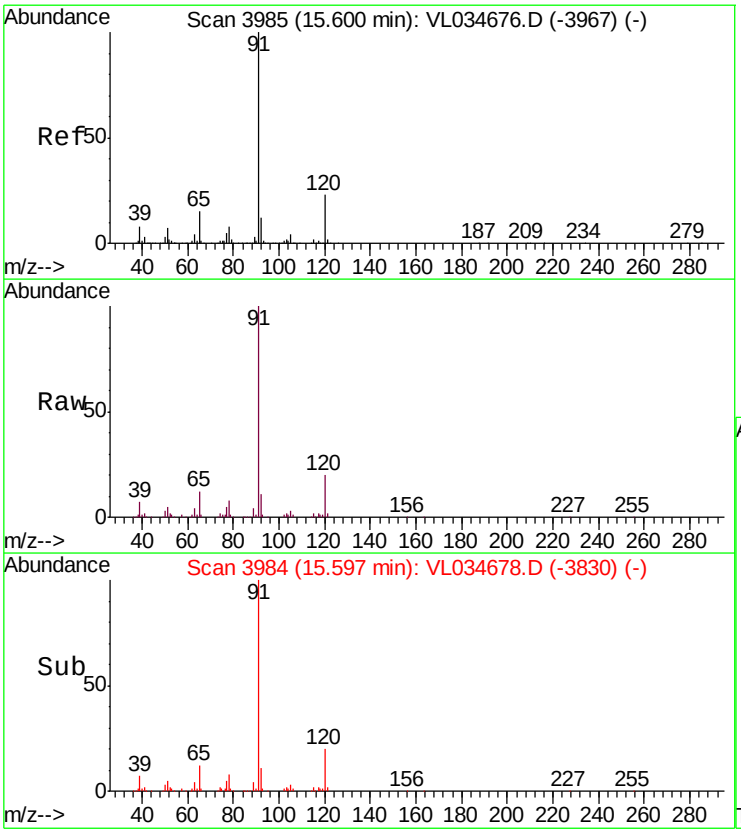
#63
1,1,2,2-Tetrachloroethane
Concen: 0.427 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 83 Resp: 92844

Ion	Ratio	Lower	Upper
83	100		
131	18.8	4.4	13.2#
85	140.0	32.5	97.5#

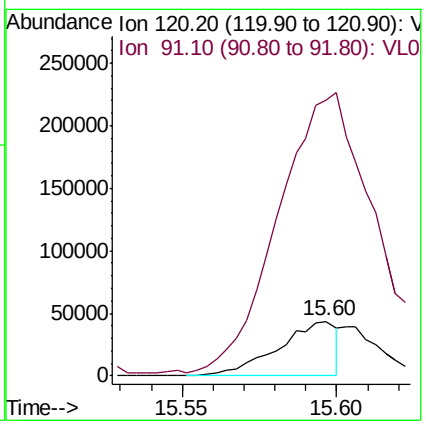


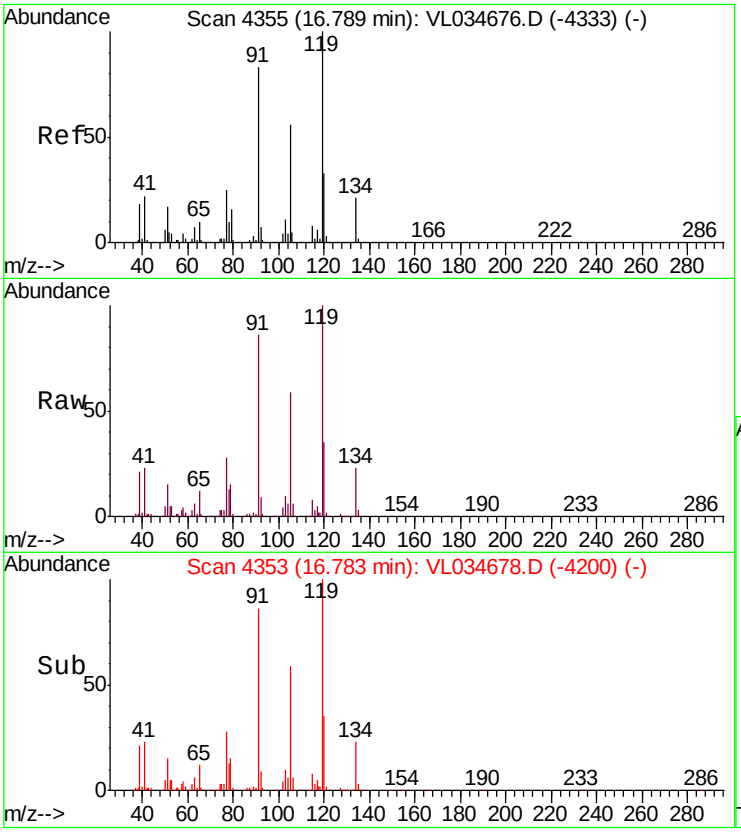


#64
n-propylbenzene
Concen: 0.624 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:120 Resp: 57446

Ion	Ratio	Lower	Upper
120	100		
91	870.7	369.8	554.8#



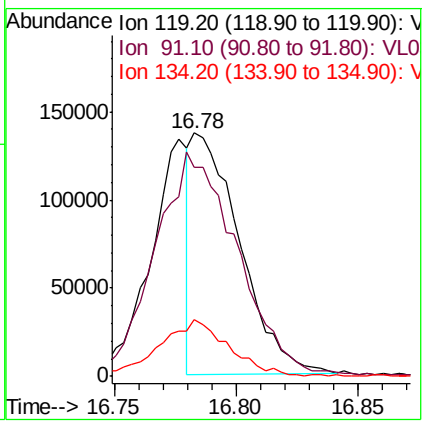


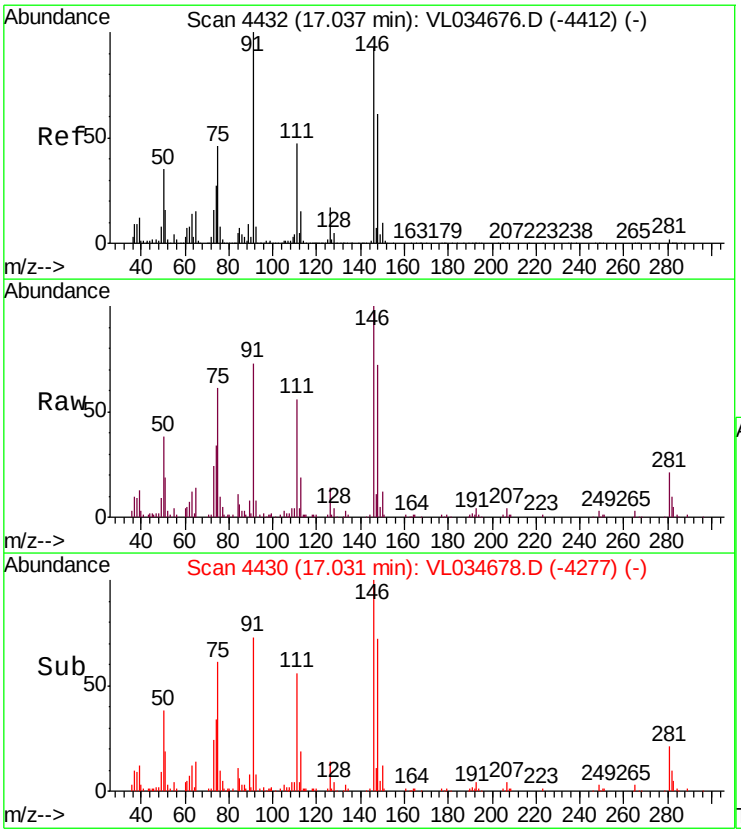
#65
tert-Butylbenzene
Concen: 0.590 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:119 Resp: 186592

Ion	Ratio	Lower	Upper
119	100		
91	162.4	69.1	103.7#
134	34.7	15.8	23.8#

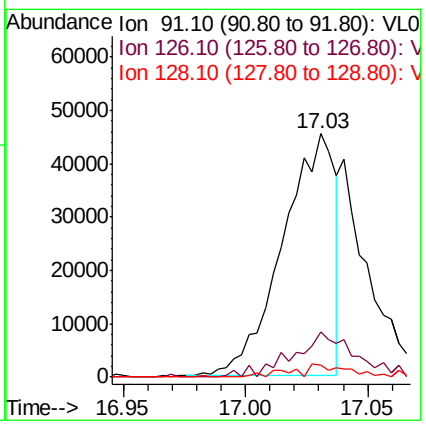


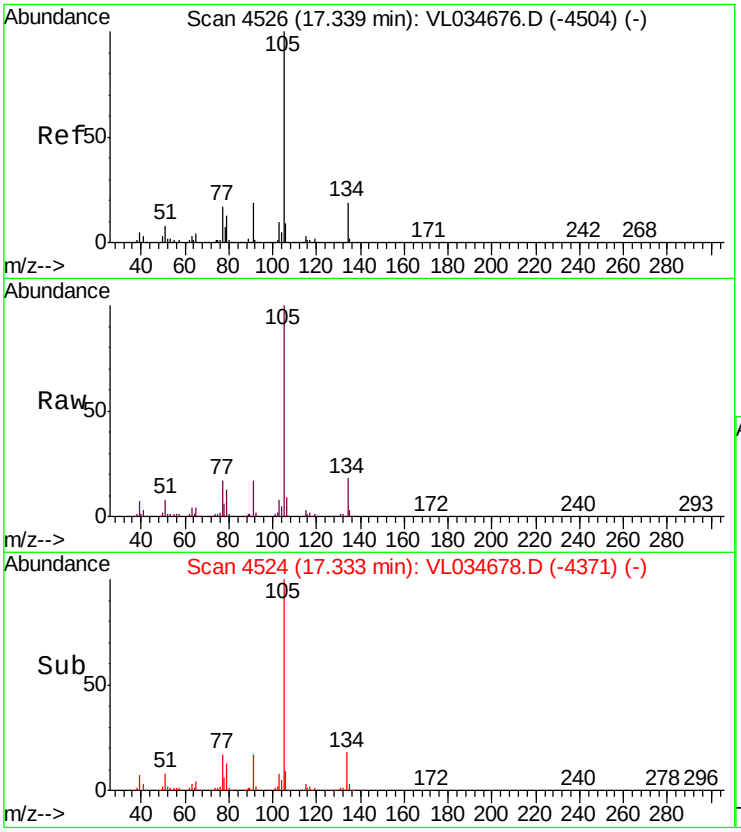


#66
Benzyl Chloride
Concen: 0.554 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 91 Resp: 67643

Ion	Ratio	Lower	Upper
91	100		
126	22.7	13.5	20.3#
128	1.7	4.2	6.4#



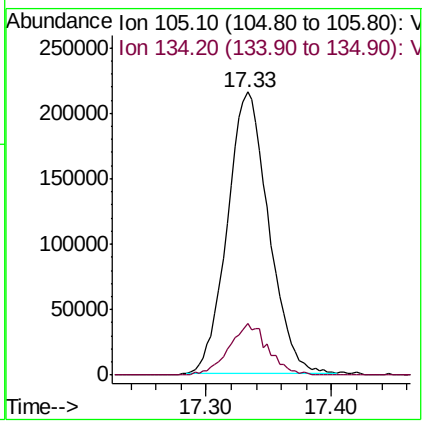


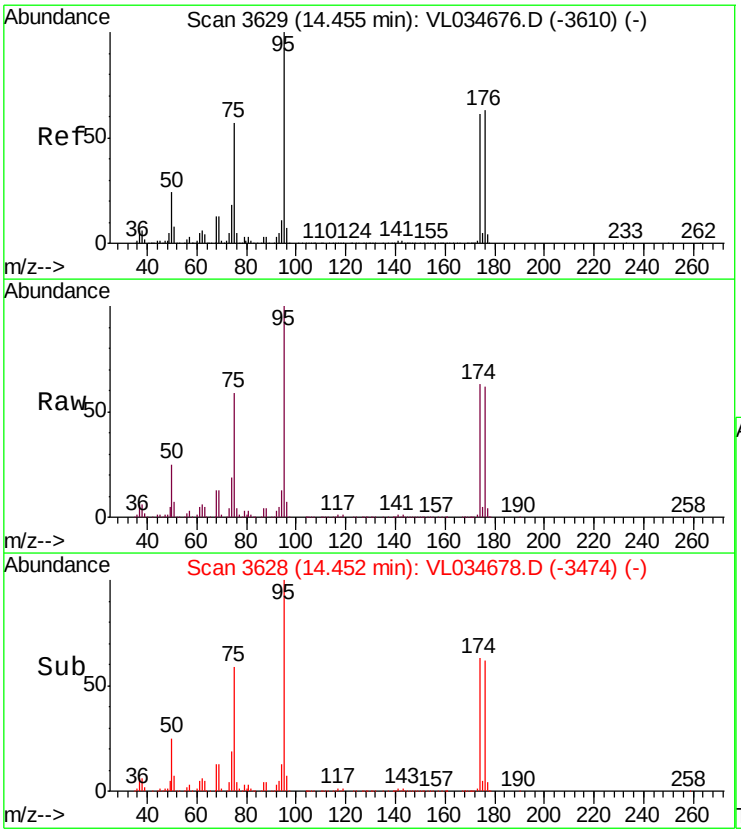
#67
sec-Butylbenzene
Concen: 1.094 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:105 Resp: 494018

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.8	22.2

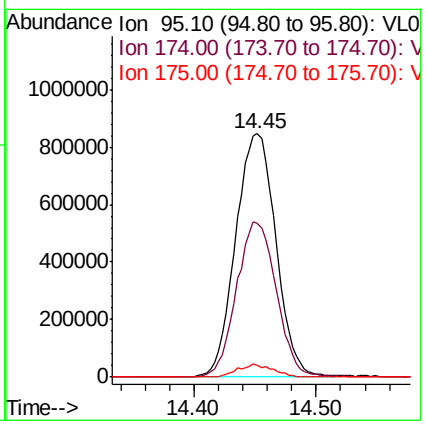


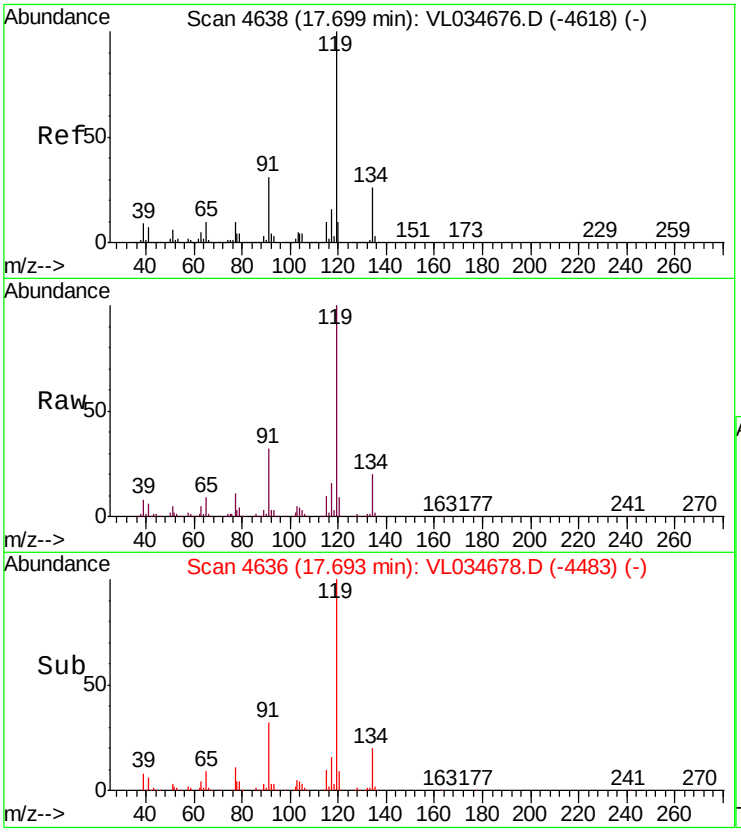


#68
1-Bromo-4-Fluorobenzene
Concen: 10.005 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 95 Resp: 1927268

Ion	Ratio	Lower	Upper
95	100		
174	63.7	50.7	76.1
175	4.8	3.9	5.9



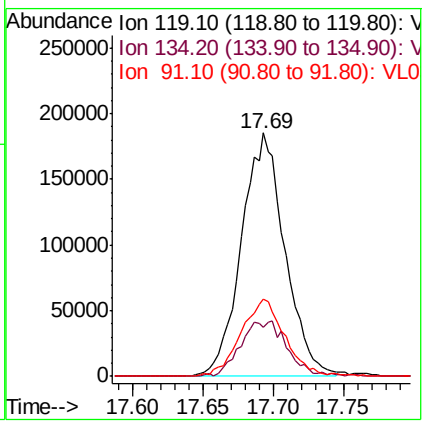


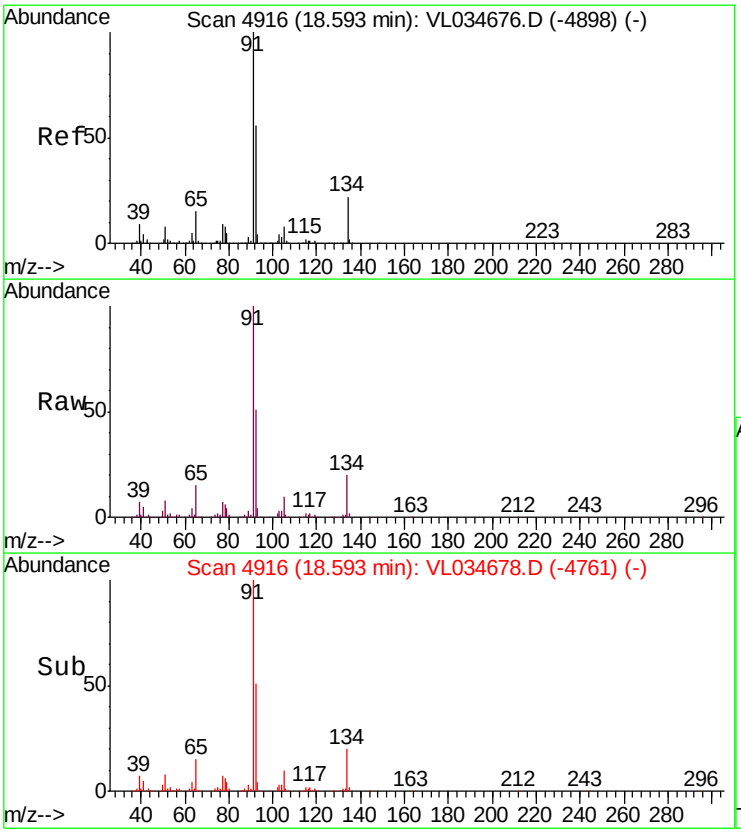
#69
p-Isopropyltoluene
Concen: 1.107 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 397304

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.6	31.0
91	32.8	25.3	37.9

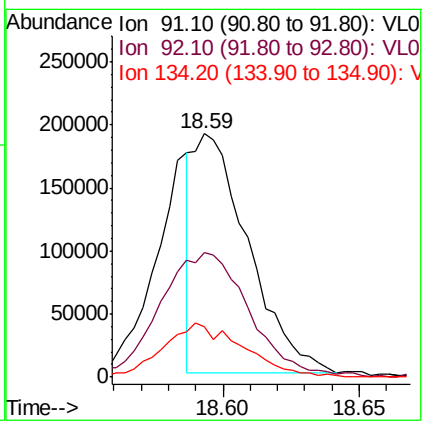


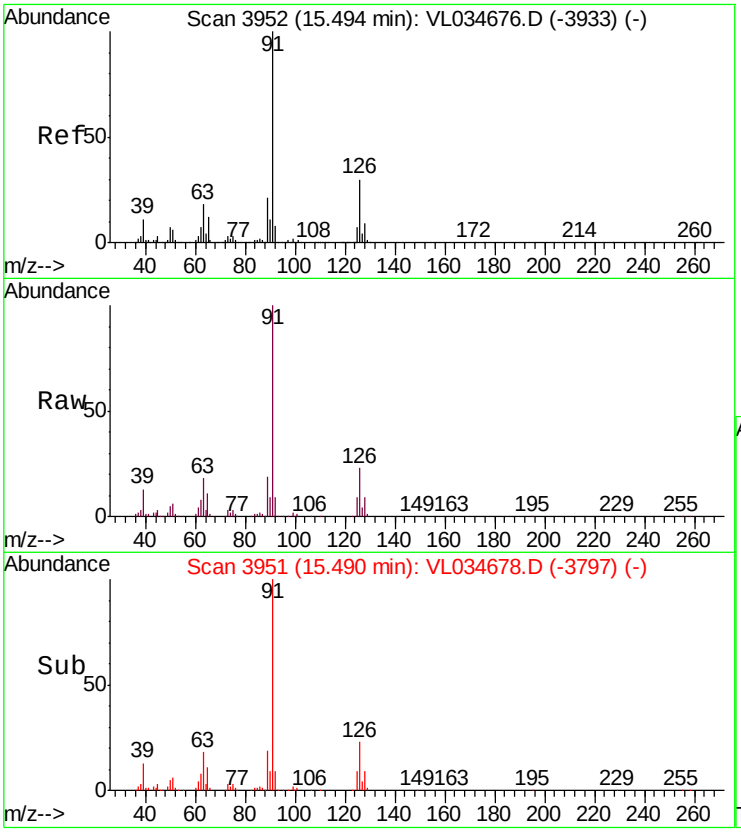


#70
n-Butylbenzene
Concen: 0.680 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion: 91 Resp: 261258

Ion	Ratio	Lower	Upper
91	100		
92	86.7	43.8	65.6#
134	34.0	17.6	26.4#



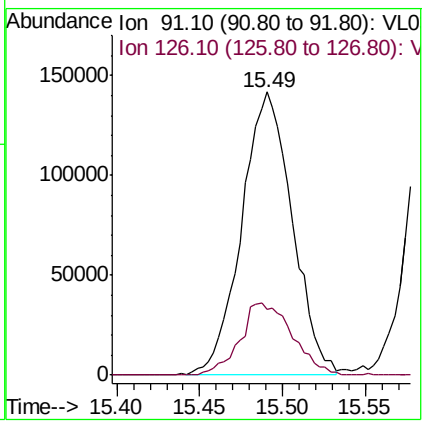


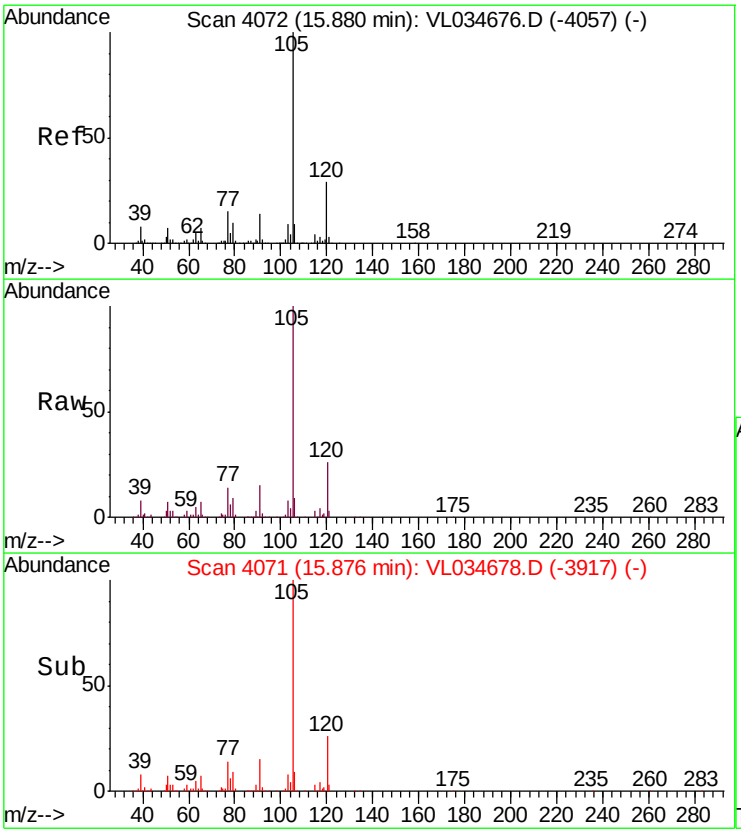
#71
2-Chlorotoluene
Concen: 1.078 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 299543

Ion	Ratio	Lower	Upper
91	100		
126	26.6	11.8	47.2

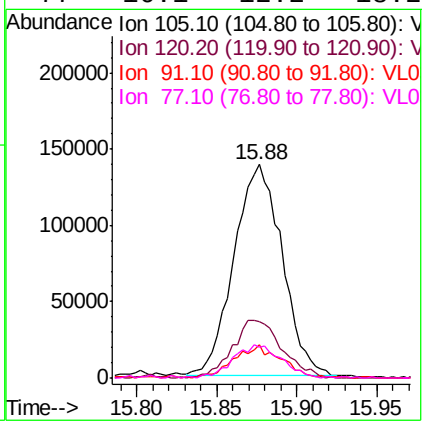


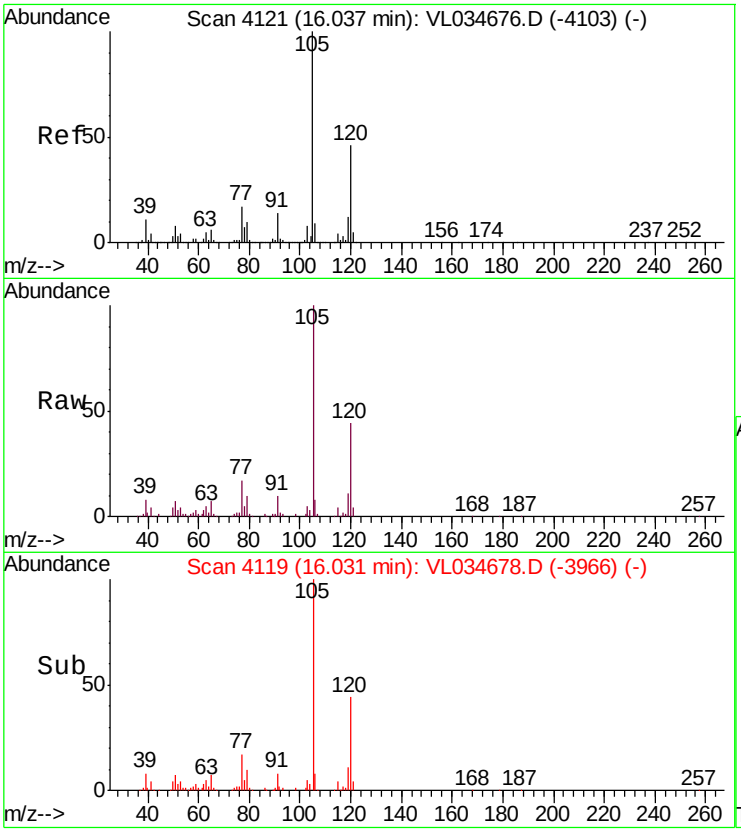


#72
4-Ethyltoluene
Concen: 0.946 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:105 Resp: 285619

Ion	Ratio	Lower	Upper
105	100		
120	27.9	23.7	35.5
91	16.1	10.9	16.3
77	16.1	12.2	18.2



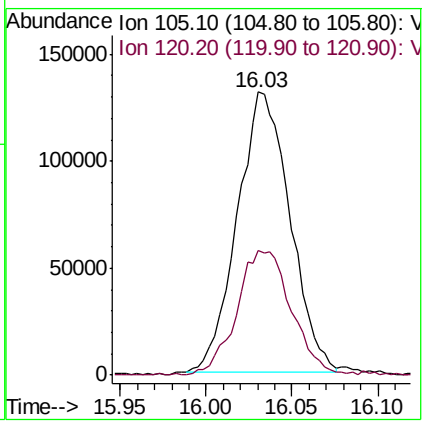


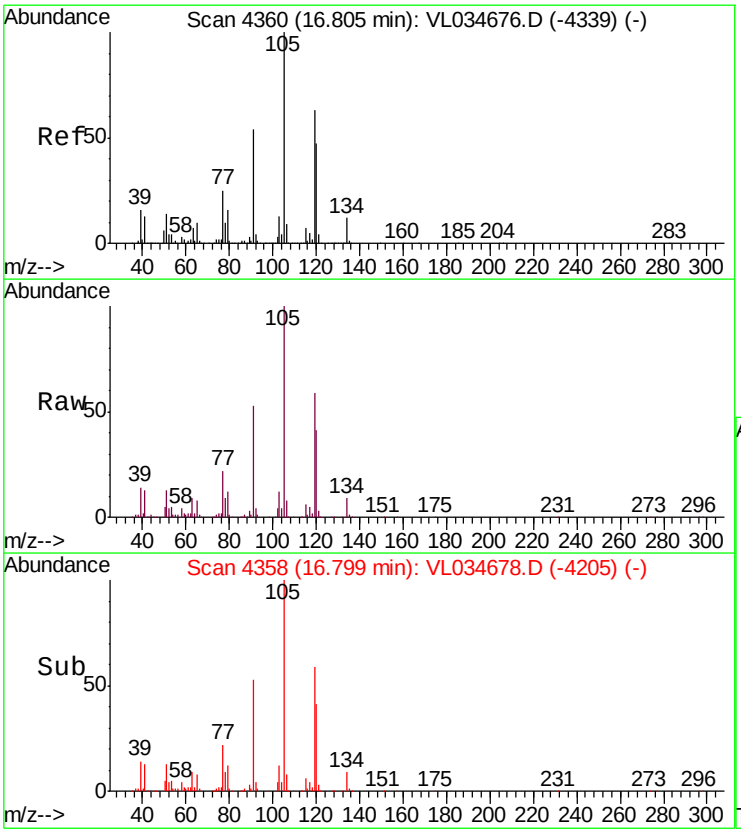
#73
1,3,5-Trimethylbenzene
Concen: 0.971 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 277967

Ion	Ratio	Lower	Upper
105	100		
120	44.4	37.1	55.7

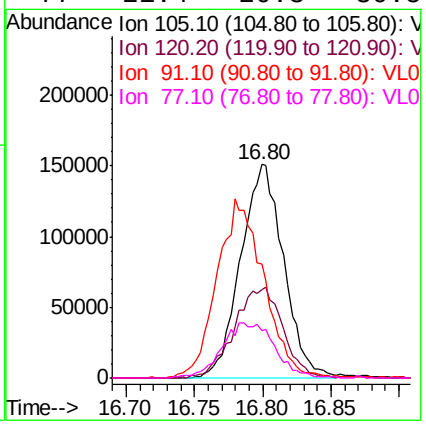


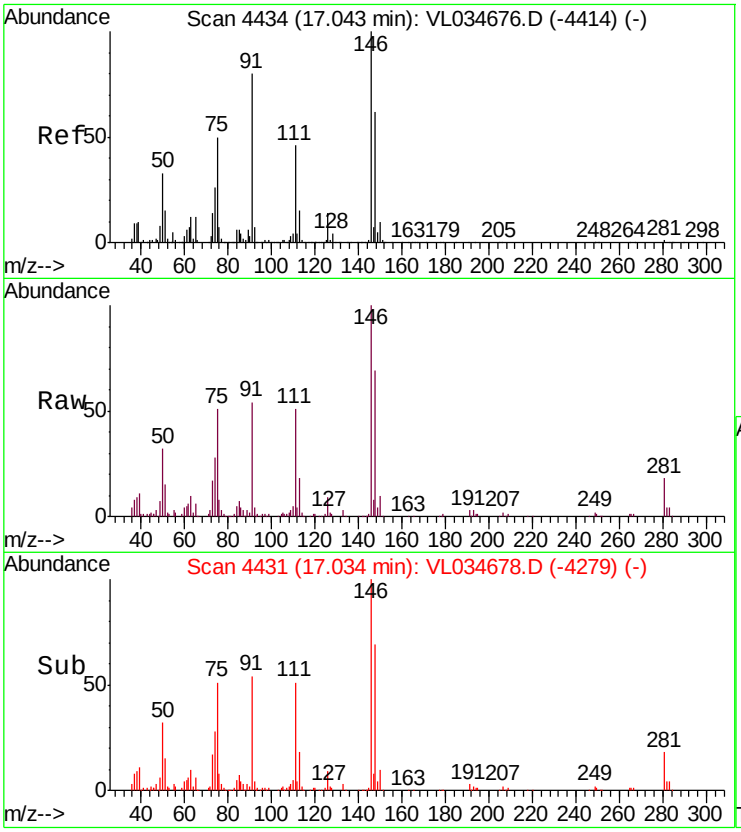


#74
1,2,4-Trimethylbenzene
Concen: 1.071 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:105 Resp: 330464

Ion	Ratio	Lower	Upper
105	100		
120	41.3	37.9	56.9
91	52.3	43.9	65.9
77	21.4	20.3	30.5



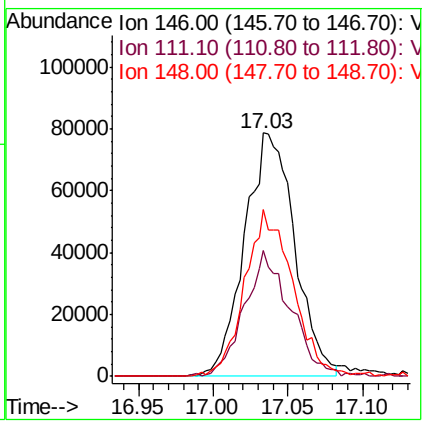


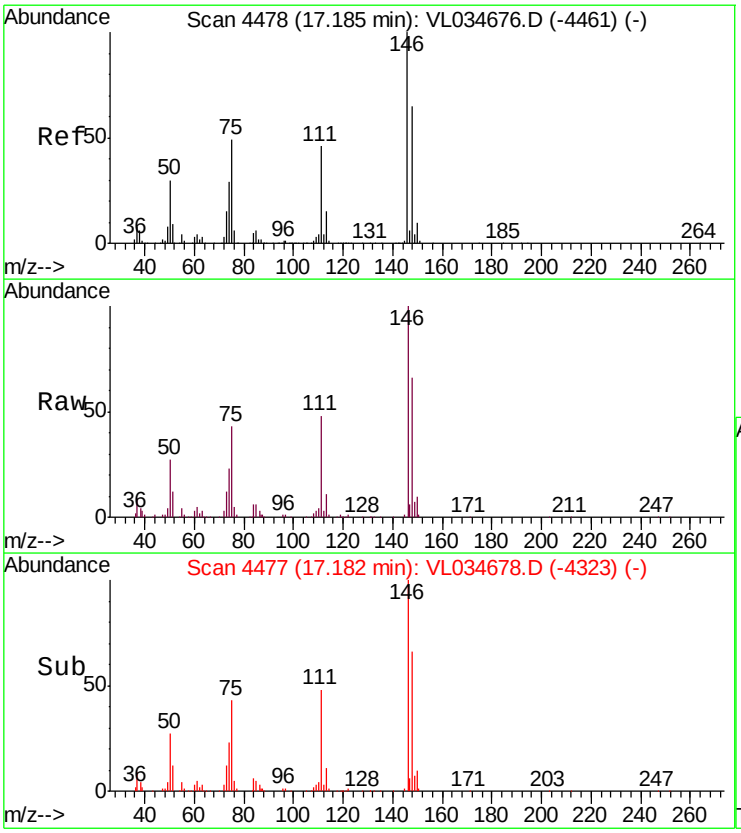
#75
1,3-Dichlorobenzene
Concen: 1.010 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 183004

Ion	Ratio	Lower	Upper
146	100		
111	47.6	24.4	73.2
148	65.2	32.5	97.4

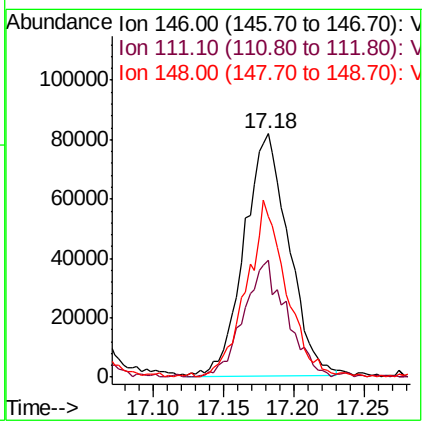


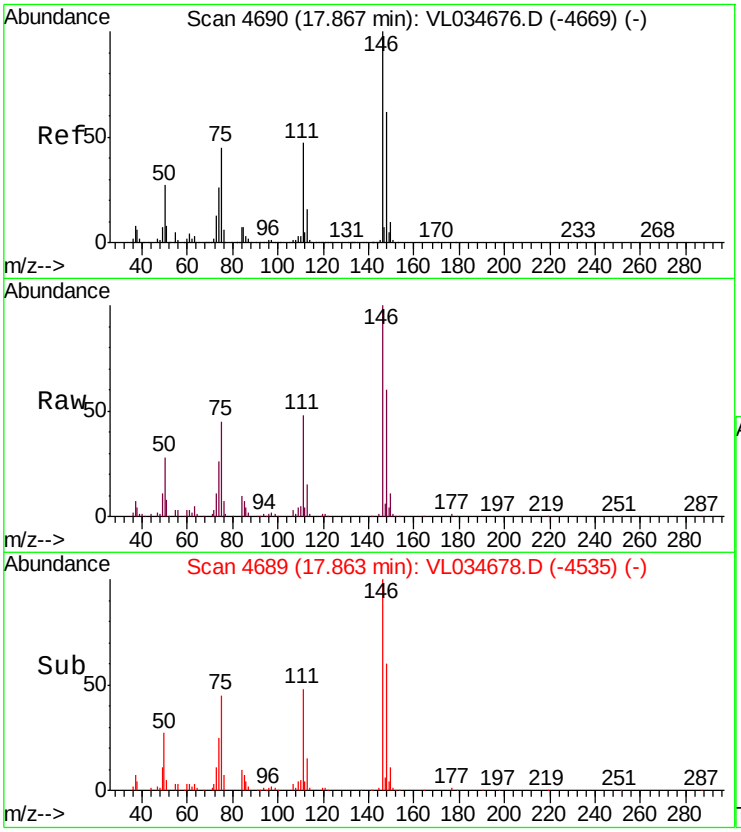


#76
1,4-Dichlorobenzene
Concen: 1.012 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:146 Resp: 181015

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.0
148	65.5	31.9	95.5



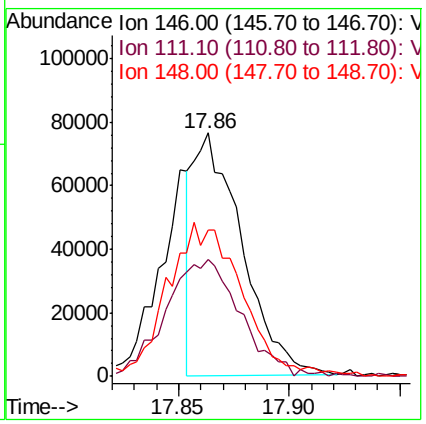


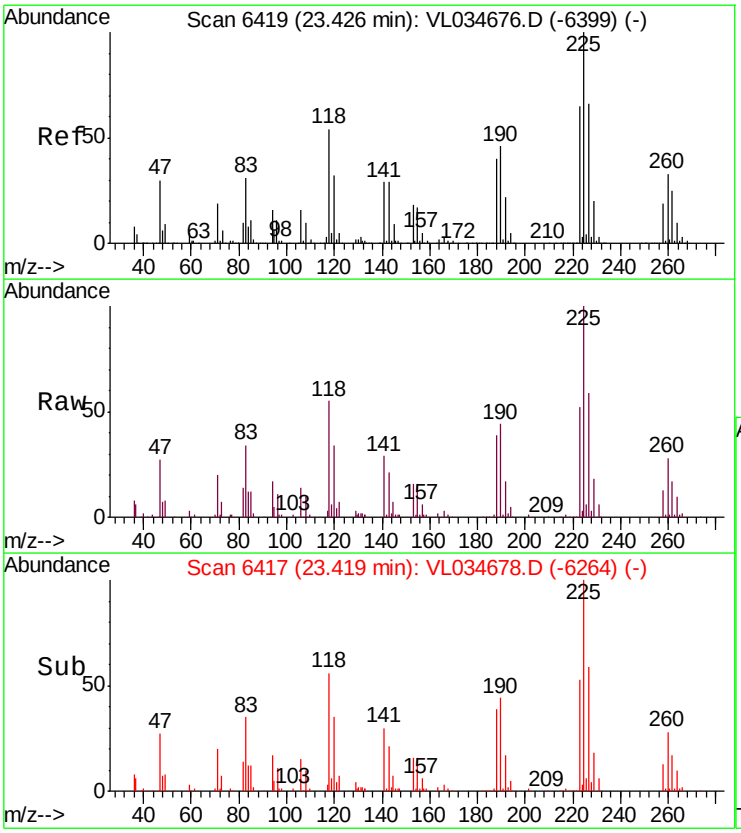
#77
1,2-Dichlorobenzene
Concen: 0.664 ppbv
RT: 17.86 min Scan# 4689
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 115974

Ion	Ratio	Lower	Upper
146	100		
111	75.8	24.9	74.7#
148	98.5	32.0	96.0#

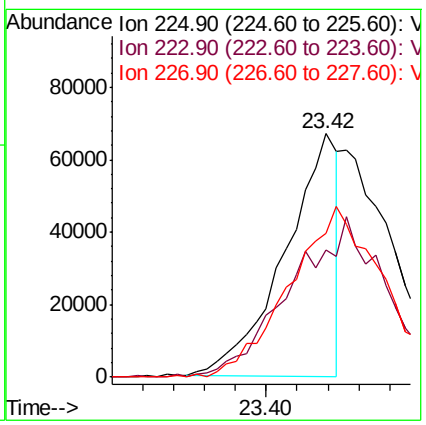


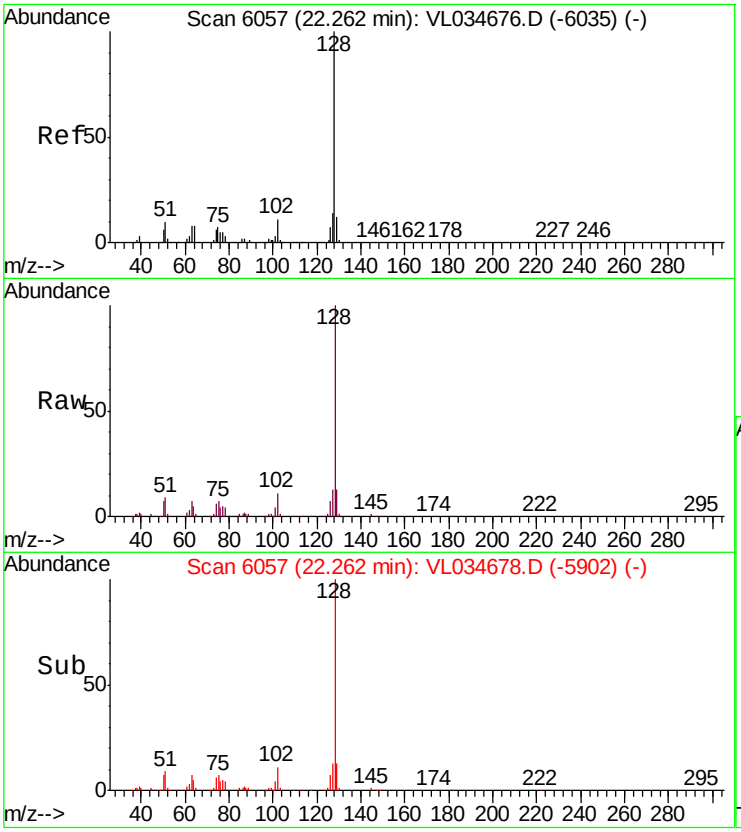


#78
Hexachloro-1,3-Butadiene
Concen: 0.553 ppbv
RT: 23.42 min Scan# 6417
Delta R.T. -0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:225 Resp: 79018

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	51.3	76.9#



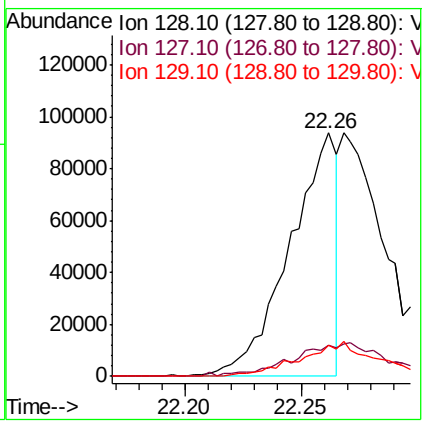


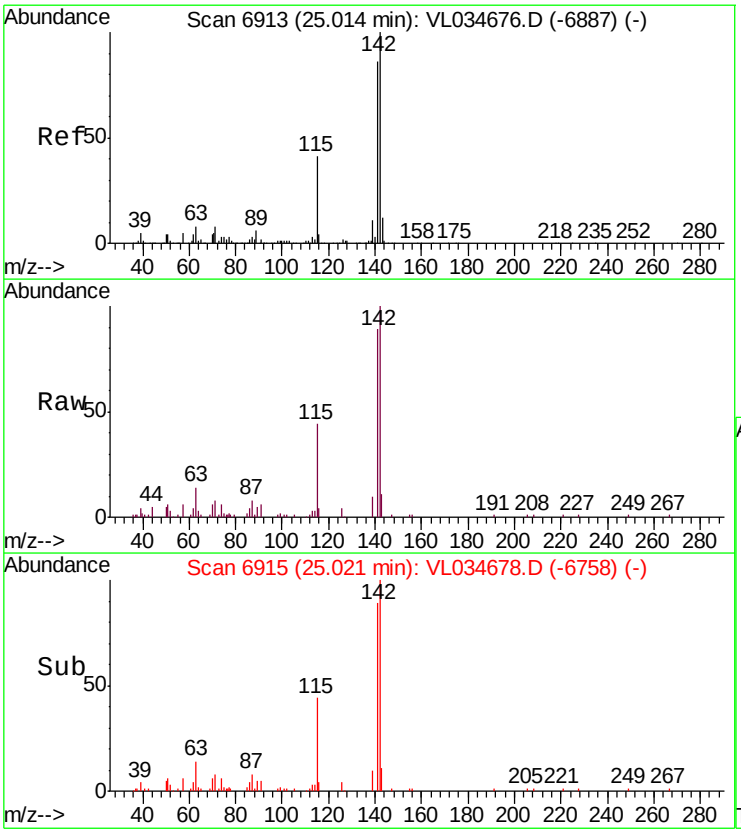
#79
Naphthalene
Concen: 0.561 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 131723

Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.6
129	12.7	9.4	14.2

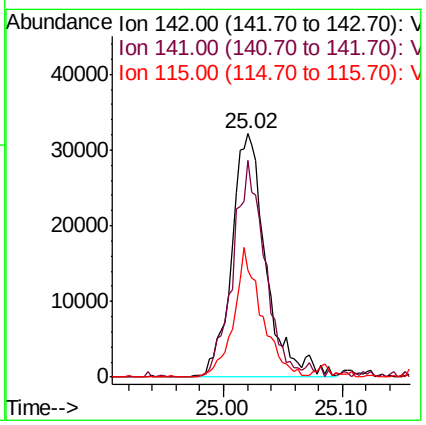


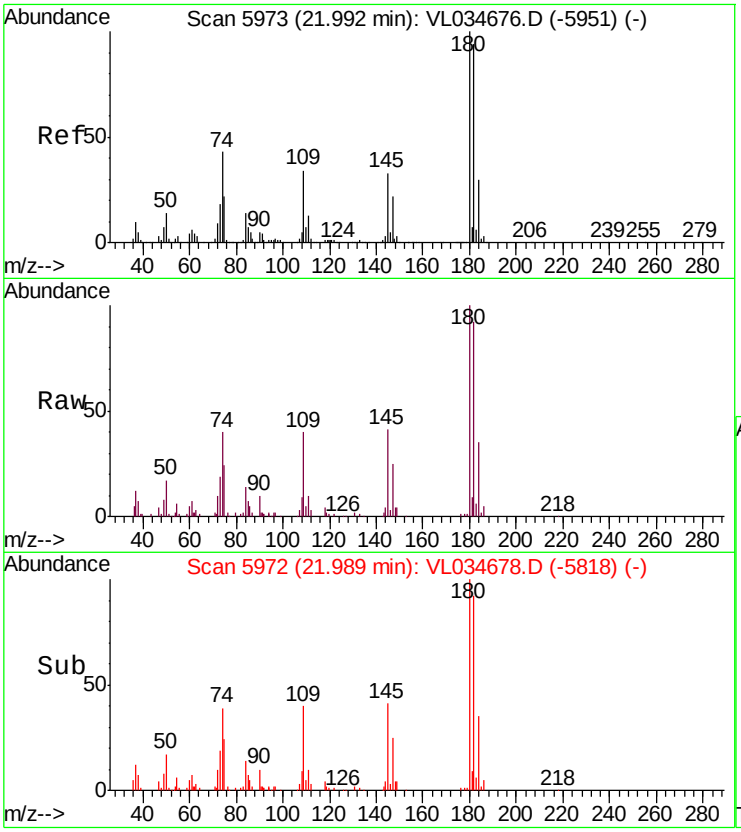


#80
Naphthalene,2-methyl-
Concen: 1.295 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Tgt Ion:142 Resp: 64098

Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.5	99.7
115	43.1	30.6	46.0





#81
1,2,4-Trichlorobenzene
Concen: 0.569 ppbv
RT: 21.99 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL034678.D
Acq: 26 Feb 2020 3:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 81596

Ion	Ratio	Lower	Upper
180	100		
182	187.6	76.5	114.7#
184	58.6	25.2	37.8#