Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090519\

Quantitation Report (Not Reviewed)

Data File : VL034122.D
Acq On : 5 Sep 2019 3:48
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Sep 05 09:55:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 09:42:59 2019
QLast Update : Thu Sep 05 09:42:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.71	49	1209292	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.23	114	2199548	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.17	117	2275907	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.51	95	1866317	10.03	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	171321	0.859	ppbv		94
3) Chlorodifluoromethane	2.98	51	142240	1.055	ppbv		97
4) Chloromethane	3.13	50	90023	1.068	ppbv	#	82
5) Vinyl Chloride	3.25	62	77462	1.009	ppbv		88
6) Bromomethane	3.47	94	38755	1.023	ppbv		85
7) Chloroethane	3.56	64	27157	1.038	ppbv		92
8) Dichlorotetrafluoroethane	3.18	85	171321	1.067	ppbv		100
9) Propene	3.00	41	79020	1.048	ppbv		98
10) Heptane	8.18	43	207420	1.060	ppbv		97
11) Trichlorofluoromethane	3.96	101	170533	1.048	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.51	101	112098	1.030	ppbv		100
13) Ethanol	3.61	45	20216	1.185	ppbv		98
14) Bromoethene	3.75	108	50000	1.063	ppbv		95
15) Acetone	3.86	43	158190	1.085	ppbv		100
16) 1,3-Butadiene	3.33	39	76079	1.031	ppbv		100
17) tert-Butyl alcohol	4.32	59	116157	1.098	ppbv		99
18) 1,1-Dichloroethene	4.31	96	50153	1.010	ppbv		78
19) Isopropyl Alcohol	3.98	45	103948	1.060	ppbv		100
20) Methylene Chloride	4.36	84	52950	1.099	ppbv	#	74
21) Allyl Chloride	4.43	41	98787	1.028	ppbv		98
22) trans-1,2-Dichloroethene	4.91	96	50703	1.019	ppbv		91
23) Vinyl Acetate	5.10	43	254106	1.028	ppbv		98
24) 1,1-Dichloroethane	5.04	63	173398	1.057	ppbv		99
25) Ethyl Acetate	5.71	43	170822	0.534	ppbv	#	76
26) Hexane	5.72	57	156960	1.104	ppbv		96
27) Carbon Disulfide	4.57	76	132252	1.033	ppbv		97
28) Methyl tert-Butyl Ether	5.07	73	221137	1.061	ppbv		97
29) Chloroform	5.79	83	204082	1.064	ppbv		96
30) Cyclohexane	7.18	84	107175	1.042	ppbv		97
31) cis-1,2-Dichloroethene	5.58	61	142058	1.043	ppbv		99
32) 1,1,1-Trichloroethane	6.56	97	100261	0.556	ppbv	#	25
34) 2-Butanone	5.28	43	233599	1.105	ppbv		97
35) Carbon Tetrachloride	7.08	117	175281	1.031	ppbv		93
36) Benzene	6.94	78	276942	1.102	ppbv	#	91
37) 1,2-Dichloroethane	6.36	62	86931	0.564	ppbv	#	84
38) Trichloroethene	7.89	130	87965	0.946	ppbv		92
39) 1,2-Dichloropropane	7.68	63	116227	1.080	ppbv		97
40) 1,4-Dioxane	7.91	88	34067	0.858	ppbv	#	64
41) Tetrahydrofuran	6.10	42	61394	0.486	ppbv	#	32
42) Bromodichloromethane	7.86	83	219953	1.094	ppbv		95
43) Methyl Methacrylate	8.08	69	108943	1.052	ppbv		91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090519\

Quantitation Report (Not Reviewed)

Data File : VL034122.D
Acq On : 5 Sep 2019 3:48
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Sep 05 09:55:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 09:42:59 2019
QLast Update : Thu Sep 05 09:42:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	522853	1.128	ppbv		96
45) t-1,3-Dichloropropene	9.35	75	57879	0.476	ppbv		91
46) cis-1,3-Dichloropropene	8.77	75	156479	1.057	ppbv		97
47) 1,1,2-Trichloroethane	9.55	97	103297	1.055	ppbv		94
48) Dibromochloromethane	10.38	129	155069	1.060	ppbv		94
49) Bromoform	13.13	173	135730	1.060	ppbv		97
50) 4-Methyl-2-Pentanone	8.82	43	366473	1.136	ppbv		96
51) 2-Hexanone	10.22	43	306637	1.110	ppbv	#	97
52) Tetrachloroethene	11.31	164	48697	0.553	ppbv		89
53) Toluene	9.89	91	300317	1.080	ppbv		98
54) 1,2-Dibromoethane	10.69	107	156063	1.072	ppbv		93
56) 1,1,1,2-Tetrachloroethane	12.21	131	109000	1.117	ppbv	#	1
57) Chlorobenzene	12.24	112	220168	1.125	ppbv	#	95
58) Ethyl Benzene	12.80	91	427915	1.148	ppbv		95
59) m/p-Xylene	13.08	91	288953	0.951	ppbv	#	2
60) o-Xylene	13.79	91	347396	1.146	ppbv		97
61) Styrene	13.62	104	251103	1.108	ppbv		100
62) Isopropylbenzene	14.76	105	291505	0.739	ppbv	#	75
63) 1,1,2,2-Tetrachloroethane	13.77	83	254843	1.027	ppbv		99
64) n-propylbenzene	15.65	120	113356	1.131	ppbv		79
65) tert-Butylbenzene	16.84	119	402251	1.184	ppbv		99
66) Benzyl Chloride	17.09	91	107890	0.862	ppbv	#	80
67) sec-Butylbenzene	17.39	105	584166	1.194	ppbv		95
69) p-Isopropyltoluene	17.75	119	457236	1.170	ppbv		98
70) n-Butylbenzene	18.65	91	528318	1.185	ppbv		95
71) 2-Chlorotoluene	15.55	91	372965	1.157	ppbv		98
72) 4-Ethyltoluene	15.93	105	391853	1.145	ppbv		98
73) 1,3,5-Trimethylbenzene	16.09	105	387719	1.166	ppbv		96
74) 1,2,4-Trimethylbenzene	16.86	105	404037	1.180	ppbv		94
75) 1,3-Dichlorobenzene	17.09	146	207838	1.146	ppbv		98
76) 1,4-Dichlorobenzene	17.24	146	220218	1.152	ppbv		98
77) 1,2-Dichlorobenzene	17.92	146	212010	1.144	ppbv		98
78) Hexachloro-1,3-Butadiene	23.47	225	65704	0.520	ppbv	#	19
79) Naphthalene	22.33	128	347830	1.125	ppbv	#	95
80) Naphthalene,2-methyl-	25.06	142	78186	0.728	ppbv		96
81) 1,2,4-Trichlorobenzene	22.06	180	191367	1.136	ppbv		97

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

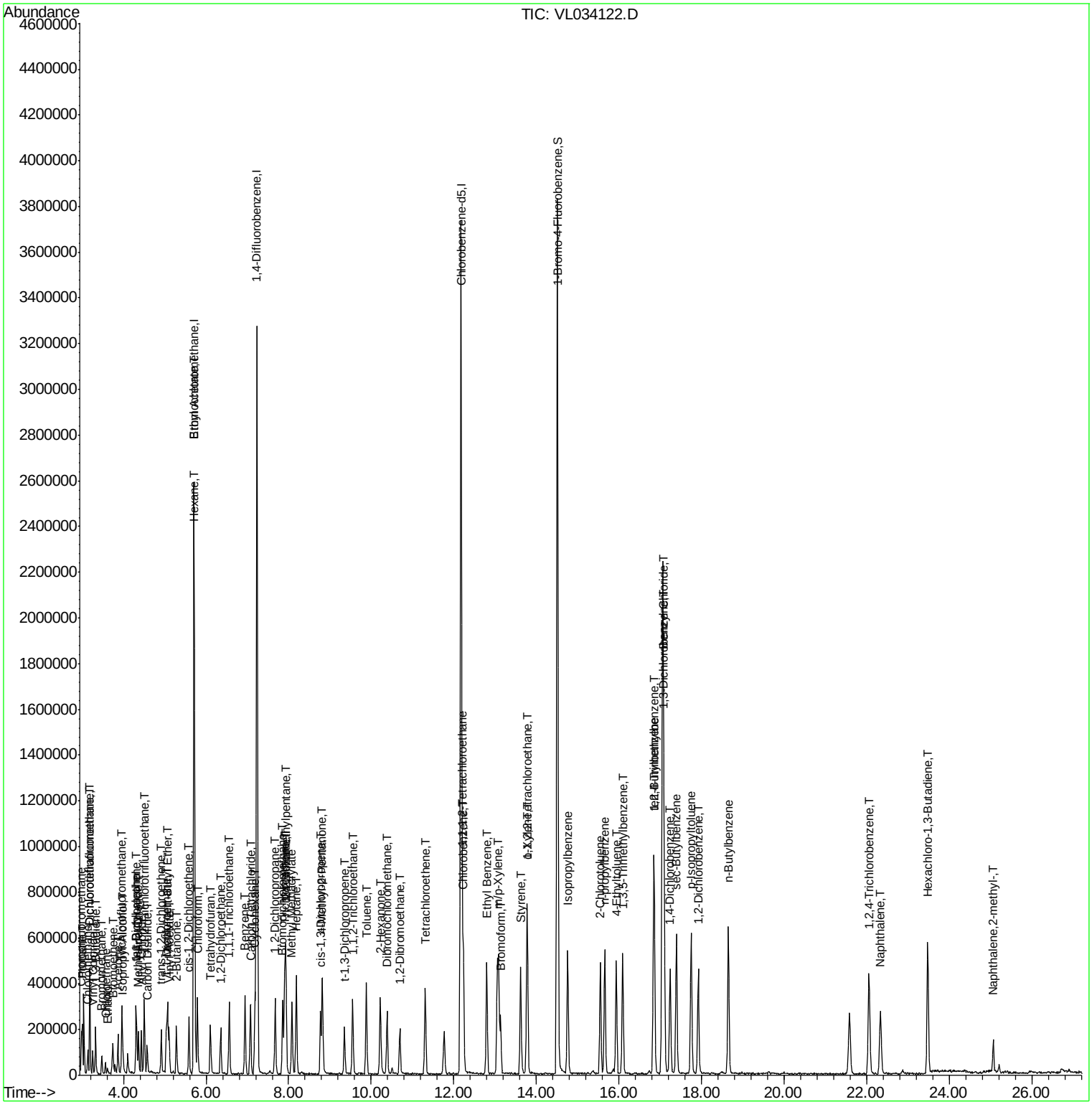
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090519\

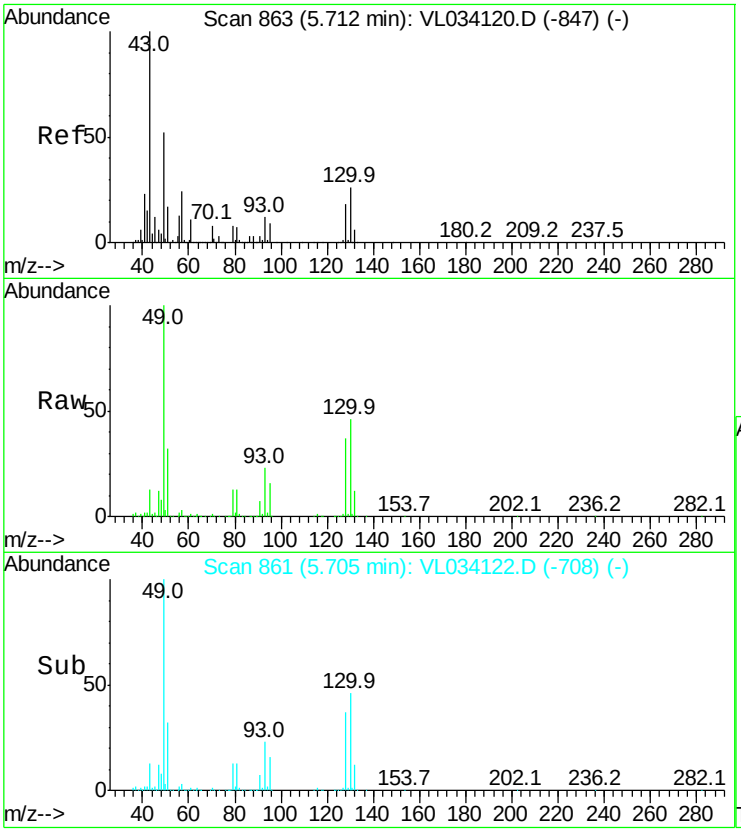
Quantitation Report (Not Reviewed)

Data File : VL034122.D
Acq On : 5 Sep 2019 3:48
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Sep 05 09:55:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 09:42:59 2019
QLast Update : Thu Sep 05 09:42:59 2019
Response via : Initial Calibration



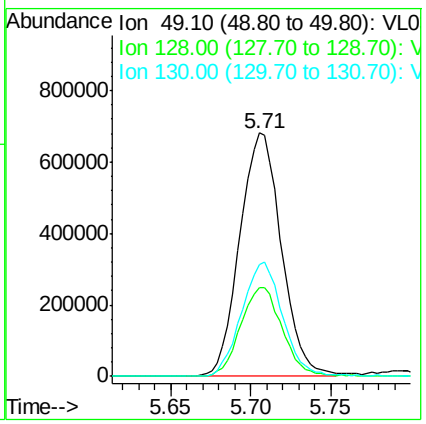


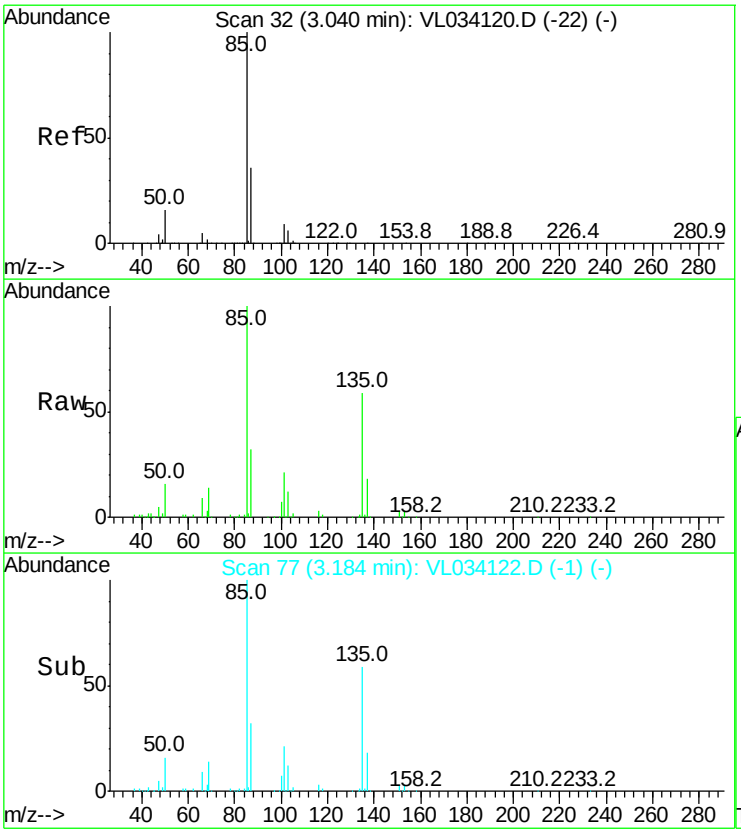
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1209292

Ion	Ratio	Lower	Upper
49	100		
128	36.7	18.4	55.0
130	46.9	23.5	70.6

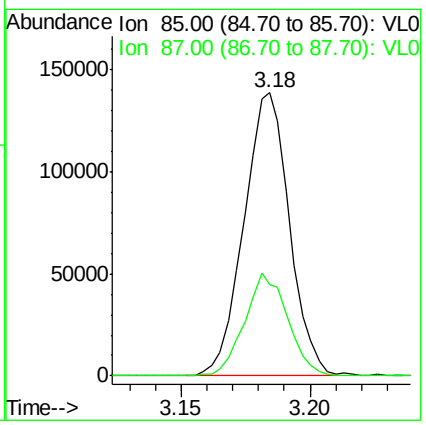


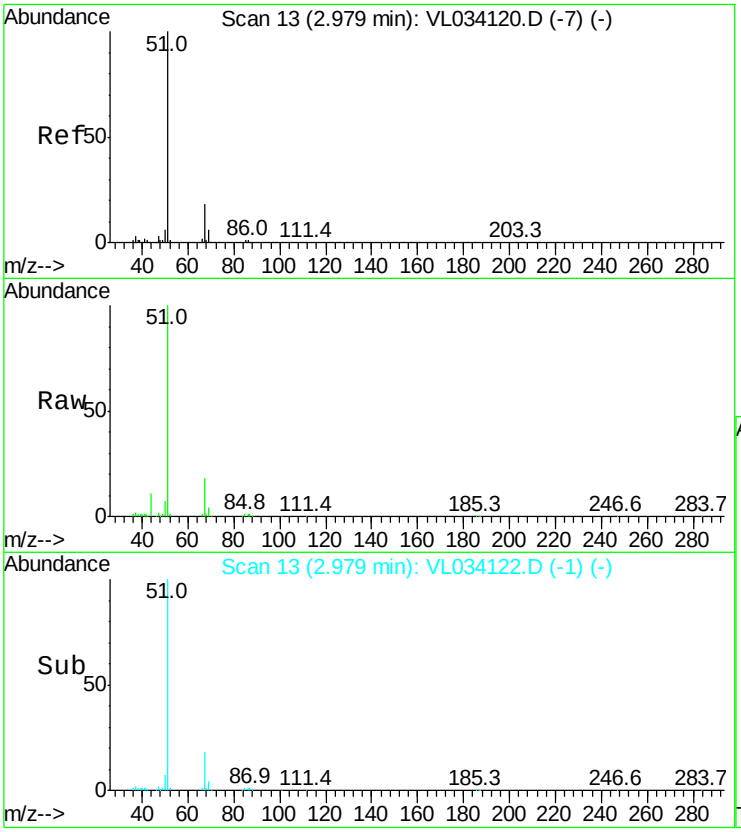


#2
Dichlorodifluoromethane
Concen: 0.859 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.14 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 85 Resp: 171321

Ion	Ratio	Lower	Upper
85	100		
87	32.2	28.6	43.0



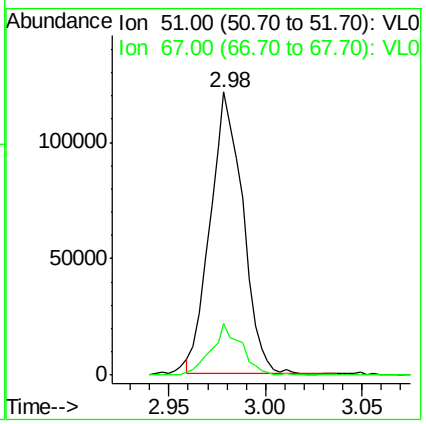


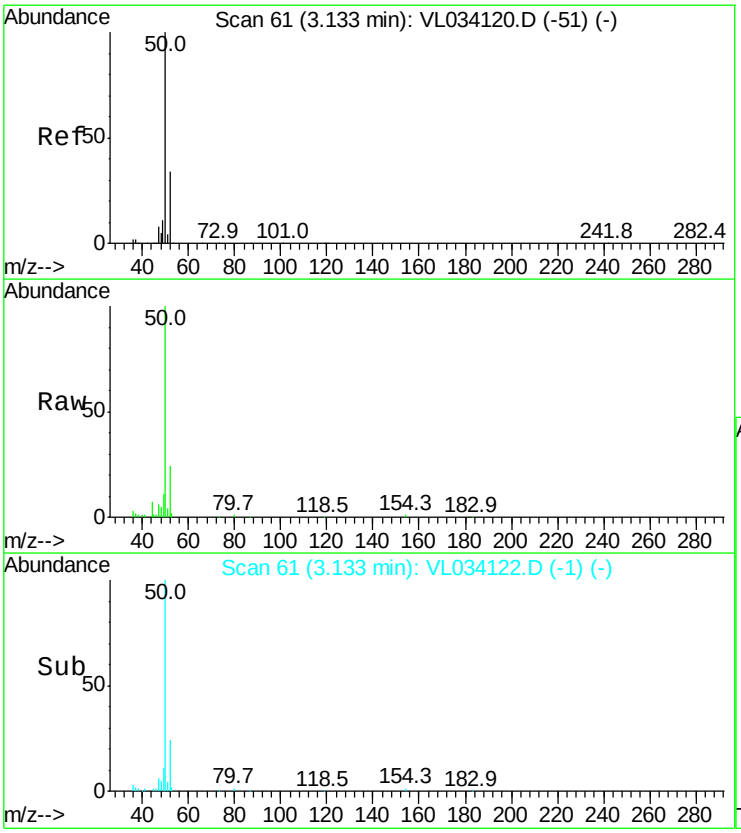
#3
Chlorodifluoromethane
Concen: 1.055 ppbv
RT: 2.98 min Scan# 13
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 142240

Ion	Ratio	Lower	Upper
51	100		
67	16.7	14.2	21.4

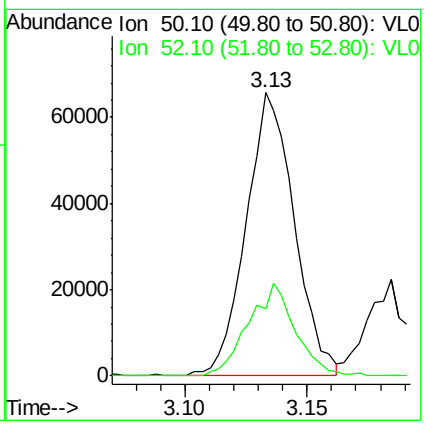


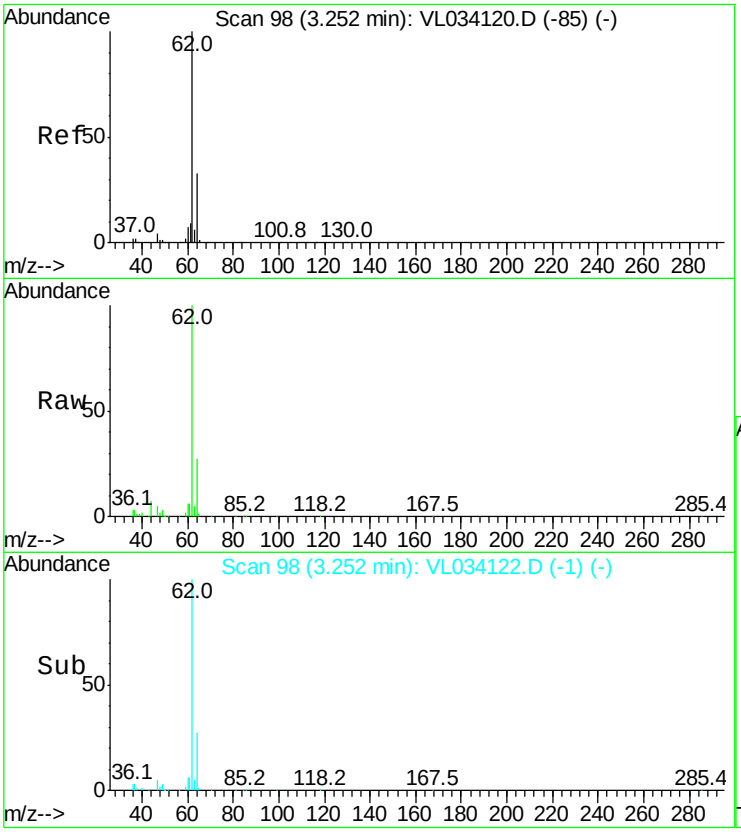


#4
Chloromethane
Concen: 1.068 ppbv
RT: 3.13 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 50 Resp: 90023

Ion	Ratio	Lower	Upper
50	100		
52	23.7	27.4	41.2#



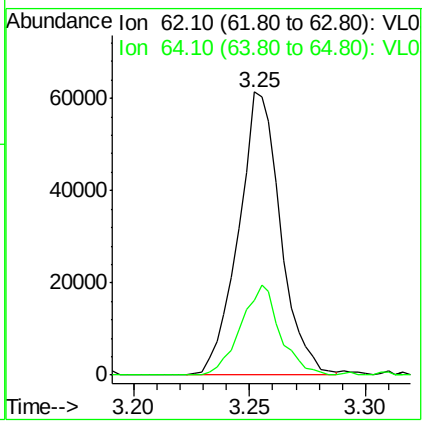


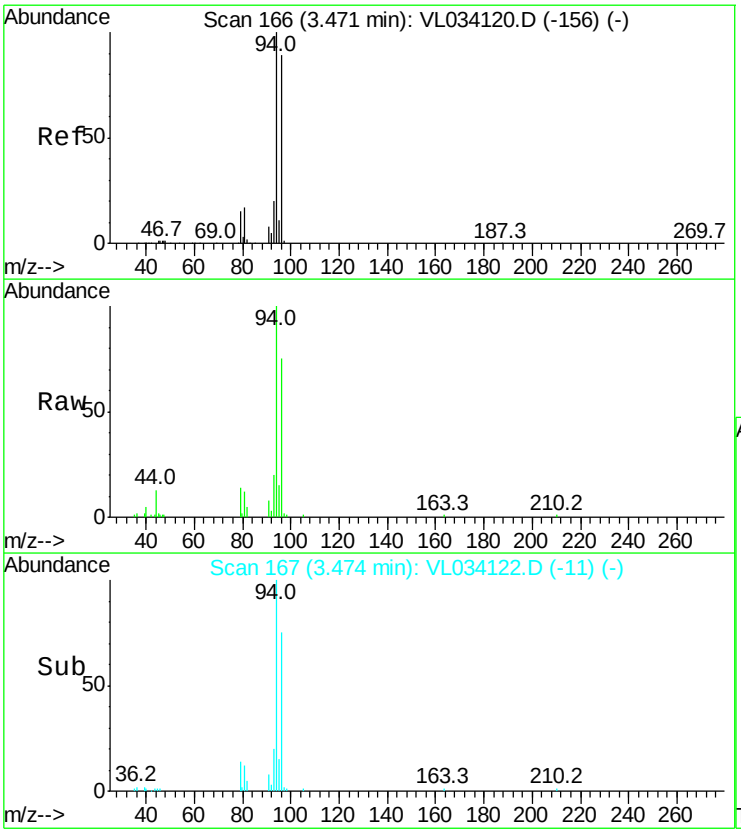
#5
Vinyl Chloride
Concen: 1.009 ppbv
RT: 3.25 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 77462

Ion	Ratio	Lower	Upper
62	100		
64	26.6	26.6	39.8

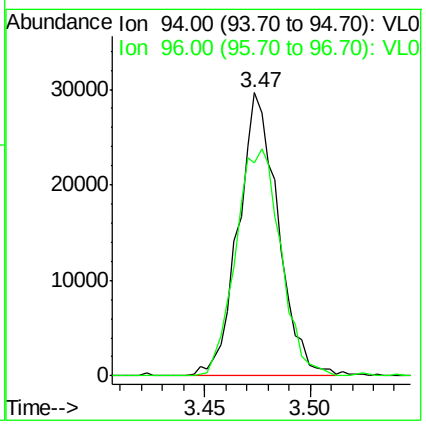


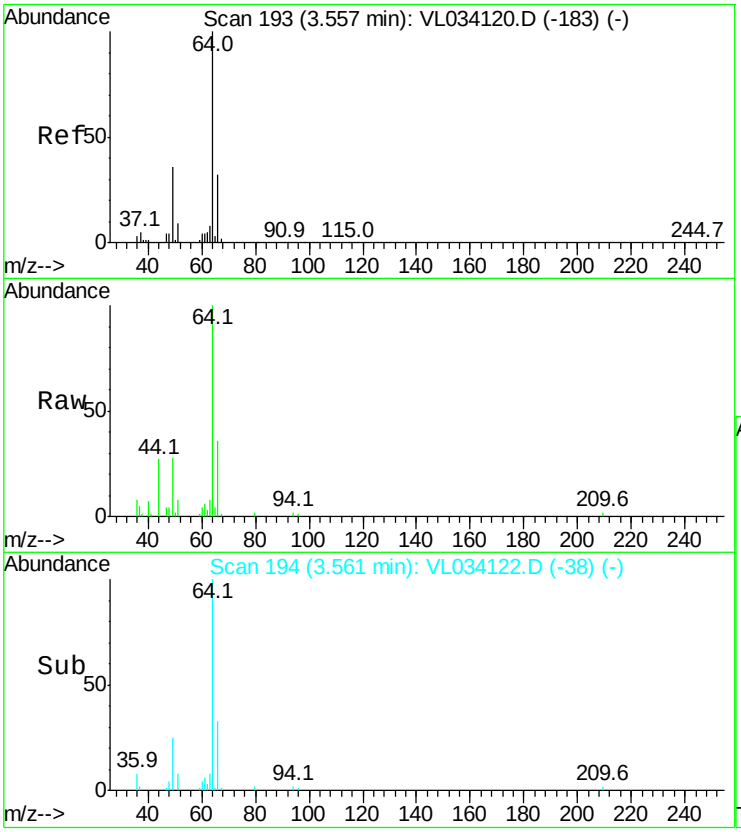


#6
Bromomethane
Concen: 1.023 ppbv
RT: 3.47 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 94 Resp: 38755

Ion	Ratio	Lower	Upper
94	100		
96	75.4	71.4	107.0



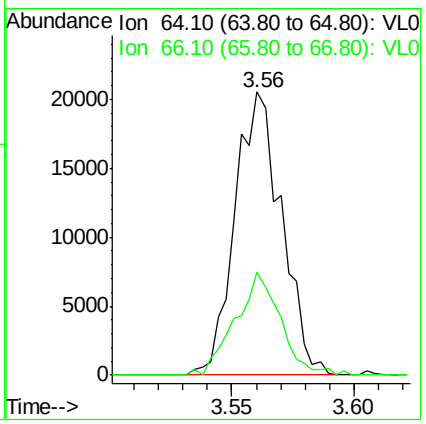


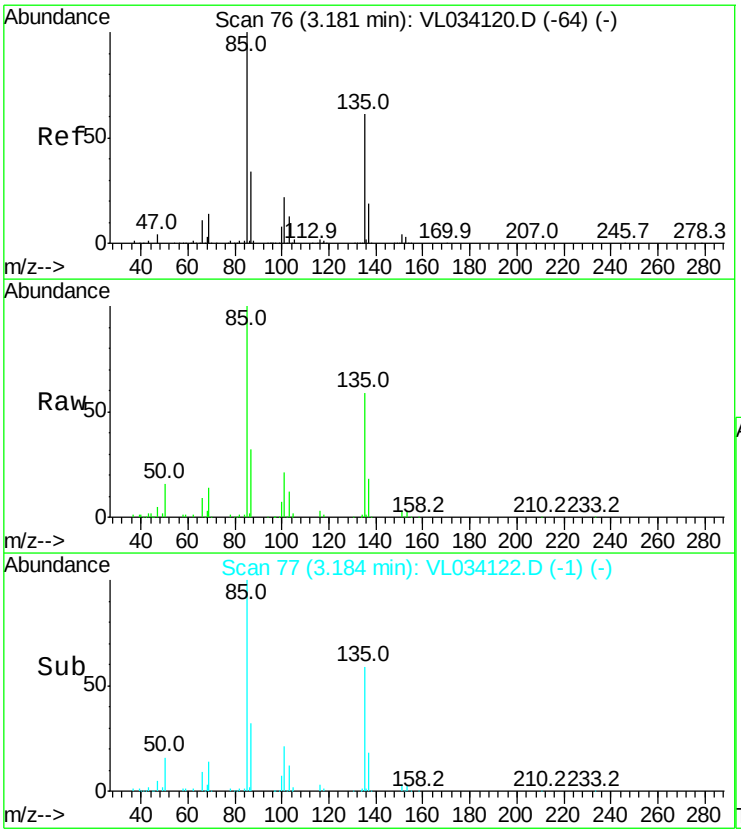
#7
Chloroethane
Concen: 1.038 ppbv
RT: 3.56 min Scan# 194
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 27157

Ion	Ratio	Lower	Upper
64	100		
66	36.2	25.4	38.2

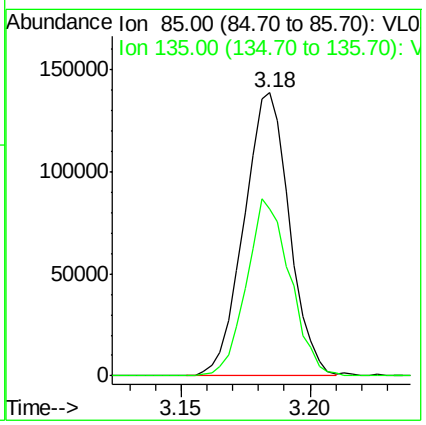




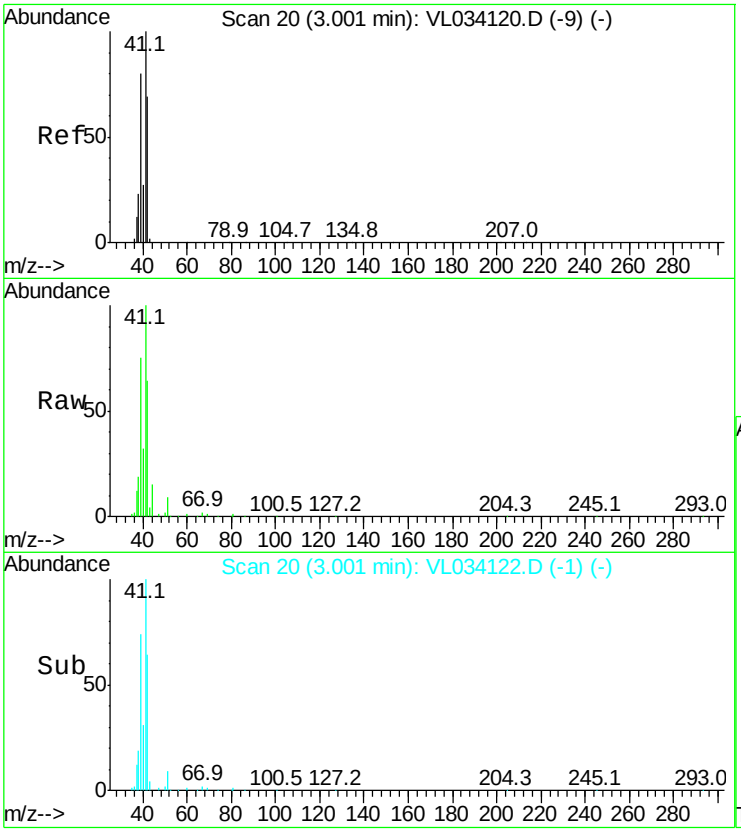
#8
Dichlorotetrafluoroethane
Concen: 1.067 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 85 Resp: 171321

Ion	Ratio	Lower	Upper
85	100		
135	60.1	48.0	72.0



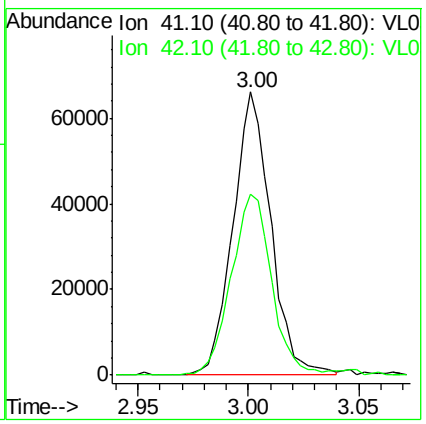
Instrument : MSVOA_L
ClientSampleId : VSTDICC001

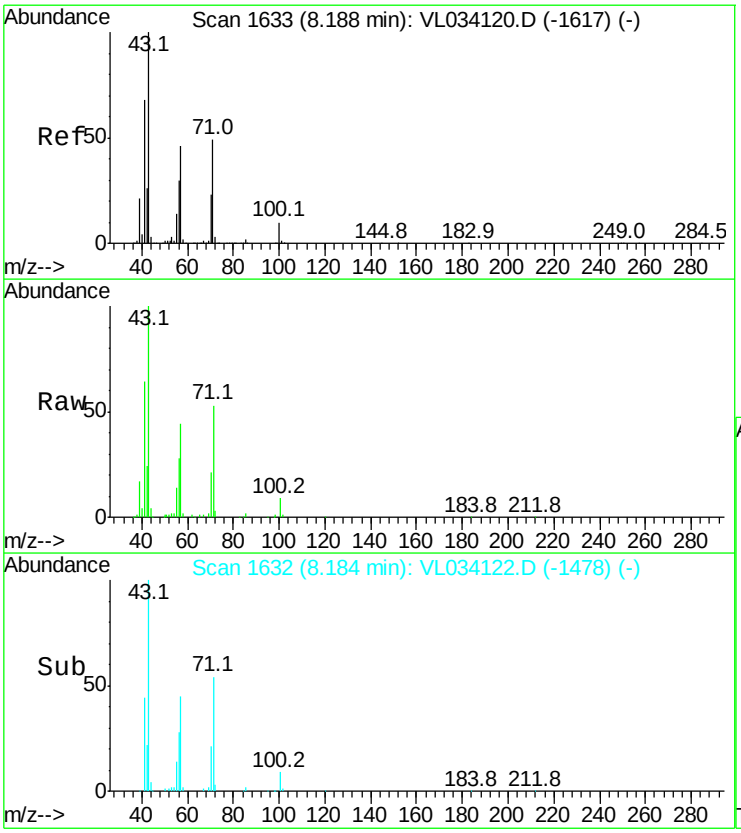


#9
Propene
Concen: 1.048 ppbv
RT: 3.00 min Scan# 20
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 41 Resp: 79020

Ion	Ratio	Lower	Upper
41	100		
42	69.8	54.6	81.8

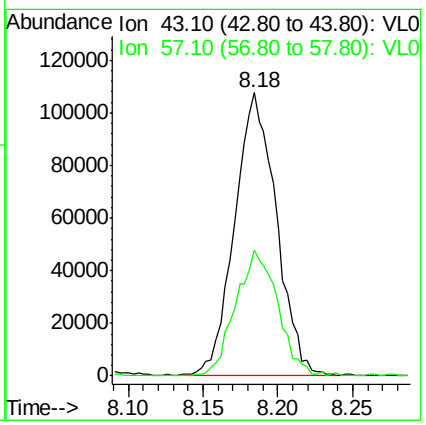


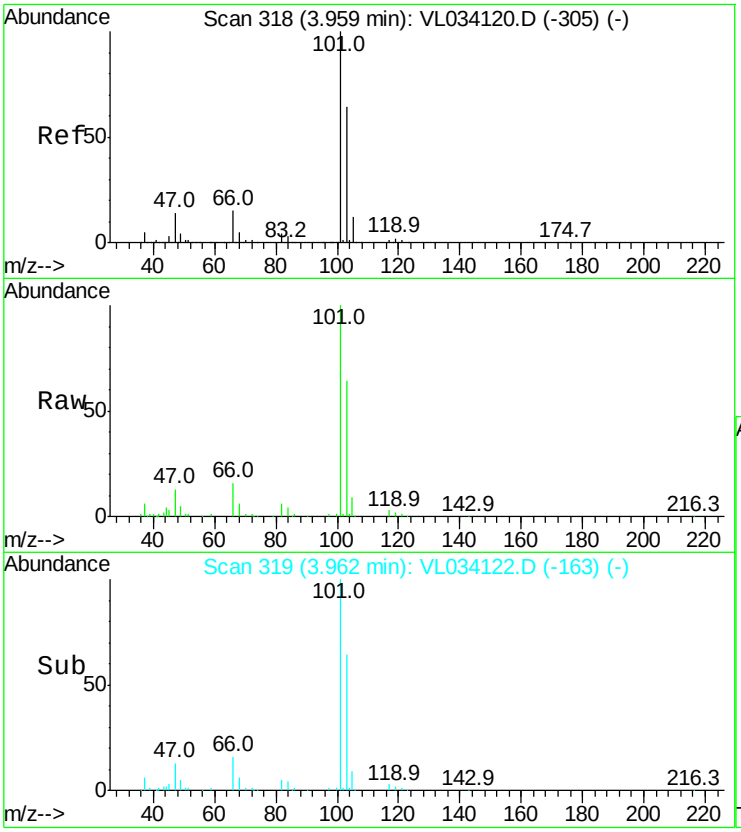


#10
Heptane
Concen: 1.060 ppbv
RT: 8.18 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 43 Resp: 207420

Ion	Ratio	Lower	Upper
43	100		
57	45.5	38.1	57.1



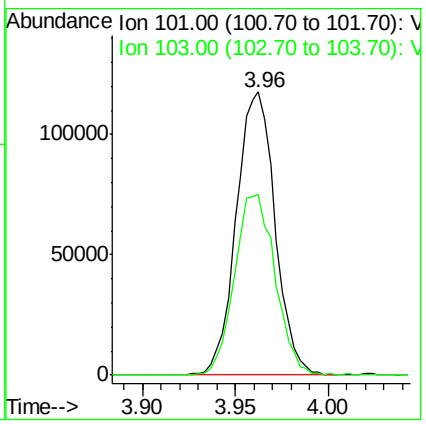


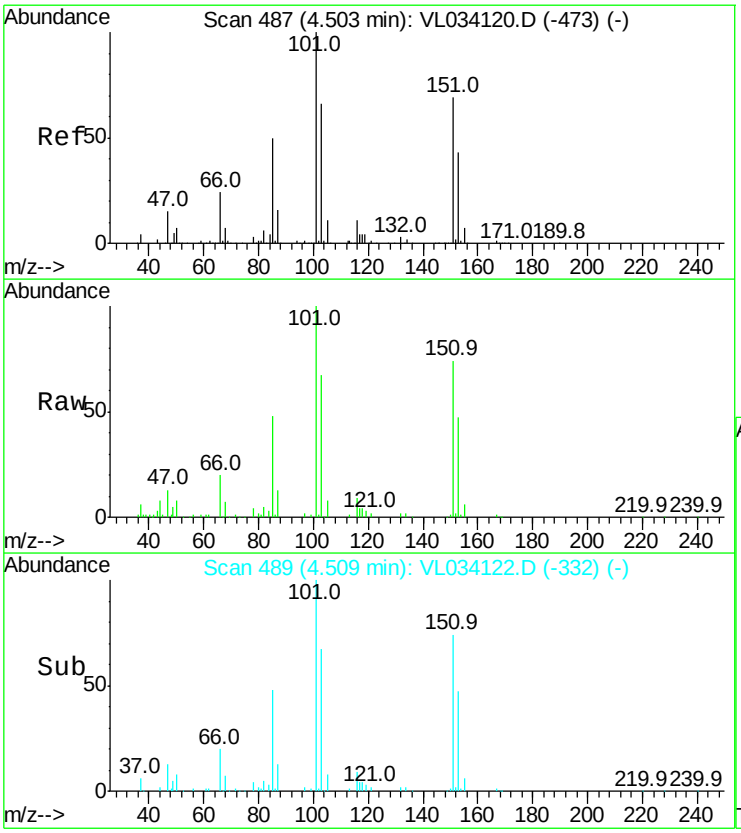
#11
Trichlorofluoromethane
Concen: 1.048 ppbv
RT: 3.96 min Scan# 319
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 170533

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

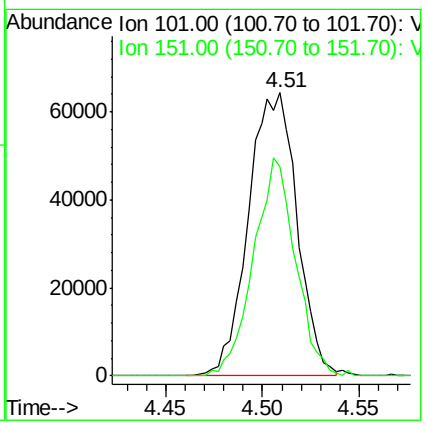


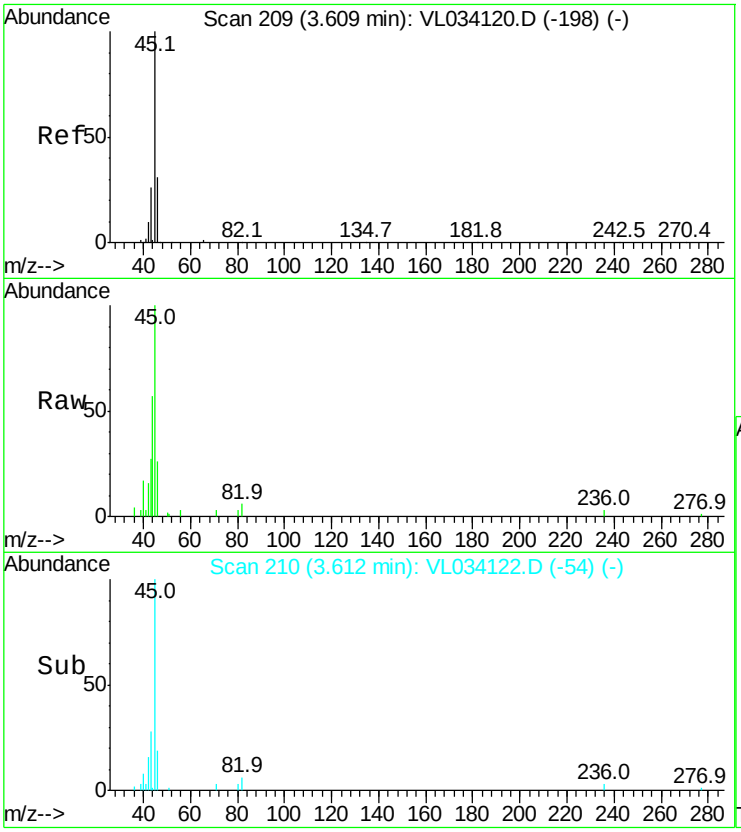


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.030 ppbv
RT: 4.51 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:101 Resp: 112098

Ion	Ratio	Lower	Upper
101	100		
151	66.7	53.0	79.6



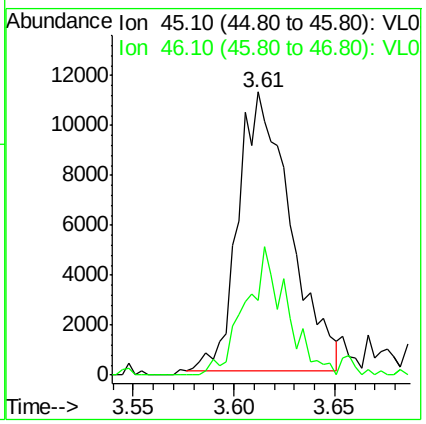


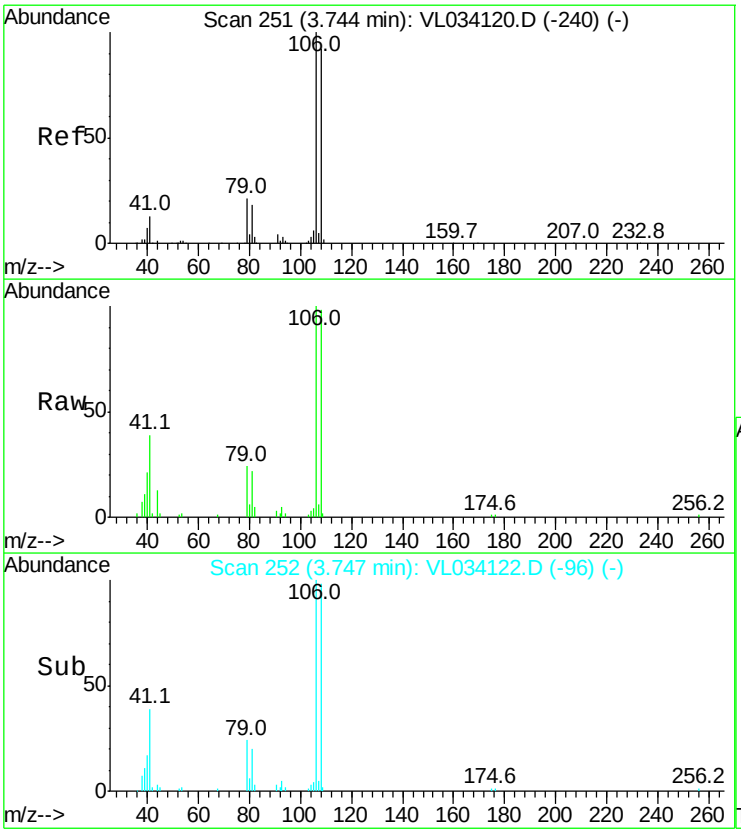
#13
Ethanol
Concen: 1.185 ppbv
RT: 3.61 min Scan# 210
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 20216

Ion	Ratio	Lower	Upper
45	100		
46	38.6	15.0	60.0

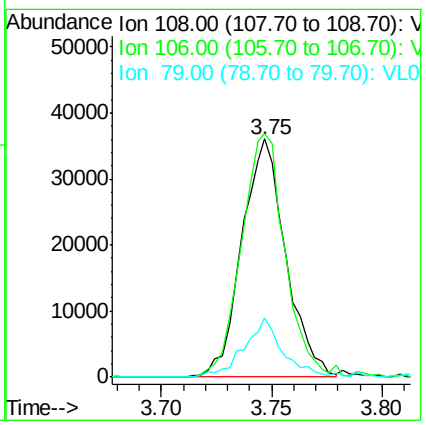


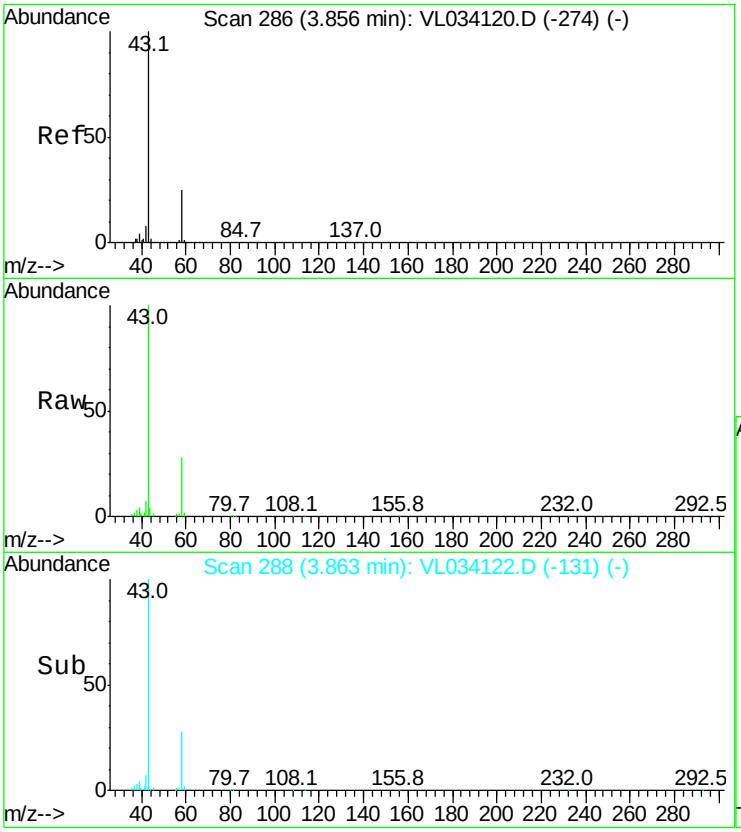


#14
Bromoethene
Concen: 1.063 ppbv
RT: 3.75 min Scan# 252
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:108 Resp: 50000

Ion	Ratio	Lower	Upper
108	100		
106	103.2	87.2	130.8
79	23.0	16.5	24.7



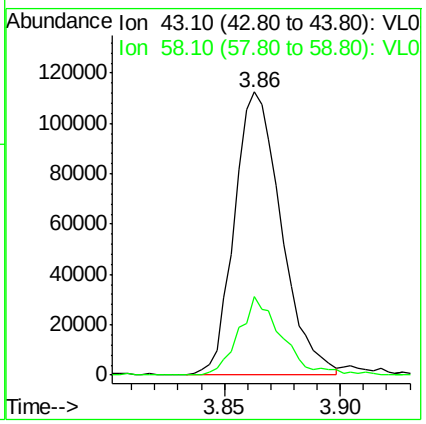


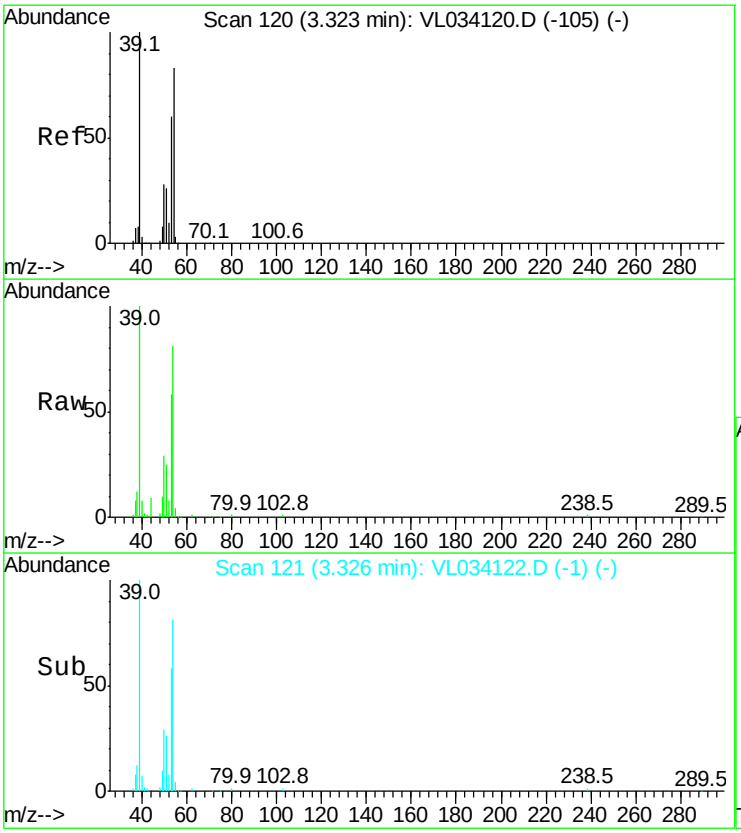
#15
Acetone
Concen: 1.085 ppbv
RT: 3.86 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 158190

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.6	30.8

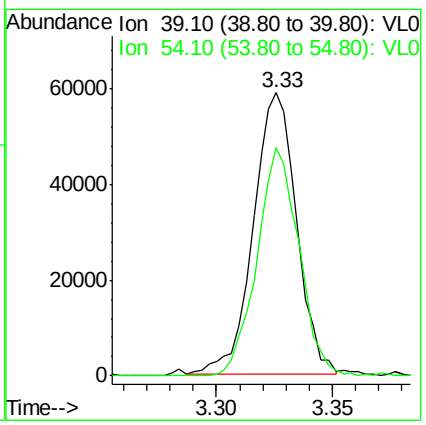


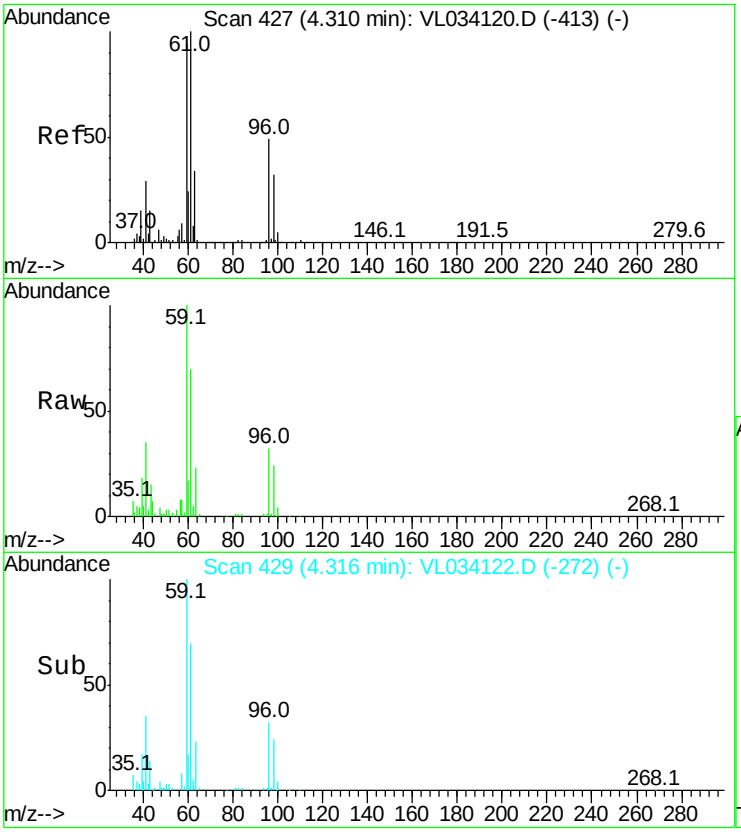


#16
1,3-Butadiene
Concen: 1.031 ppbv
RT: 3.33 min Scan# 121
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 39 Resp: 76079

Ion	Ratio	Lower	Upper
39	100		
54	79.2	63.5	95.3



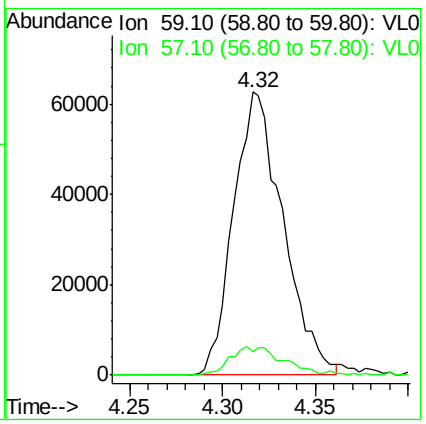


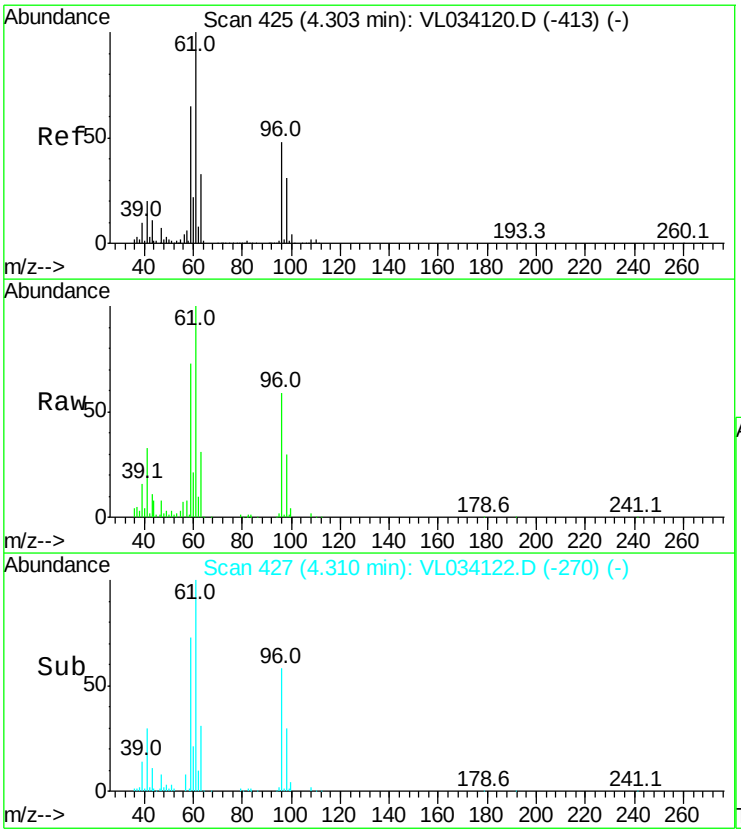
#17
tert-Butyl alcohol
Concen: 1.098 ppbv
RT: 4.32 min Scan# 429
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 116157

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8

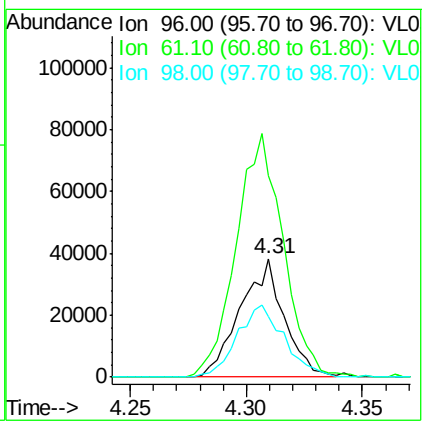


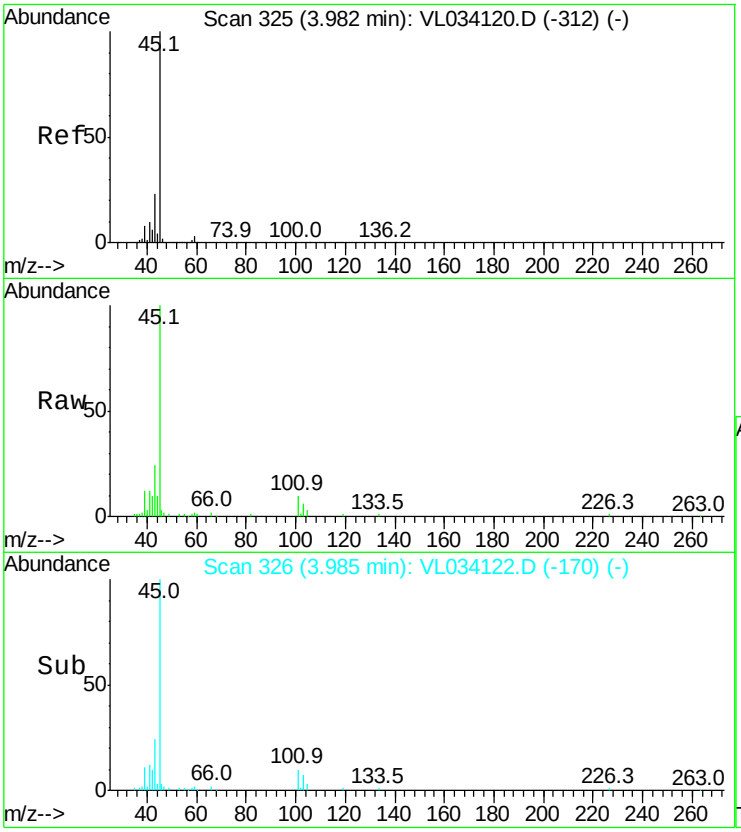


#18
1,1-Dichloroethene
Concen: 1.010 ppbv
RT: 4.31 min Scan# 427
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 96 Resp: 50153

Ion	Ratio	Lower	Upper
96	100		
61	170.7	165.8	248.8
98	51.2	50.8	76.2



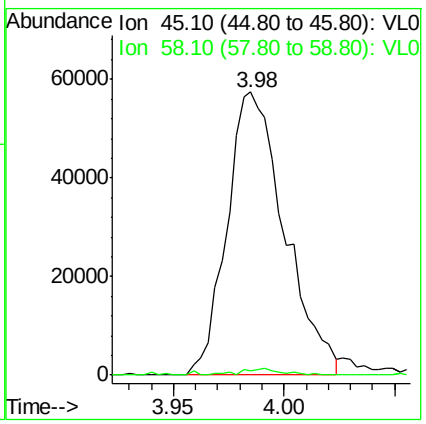


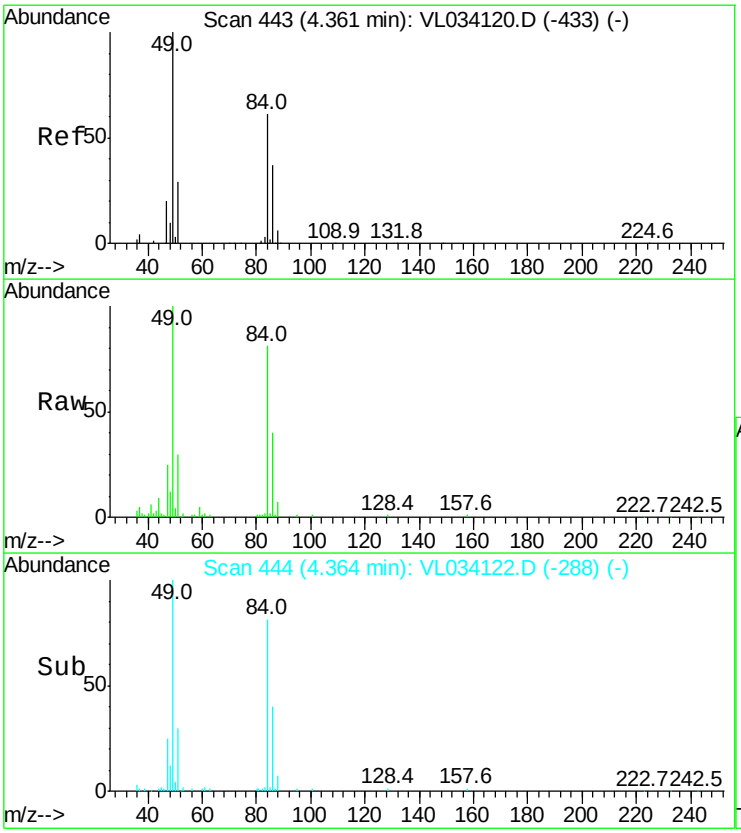
#19
Isopropyl Alcohol
Concen: 1.060 ppbv
RT: 3.98 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 103948

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.0	1.6

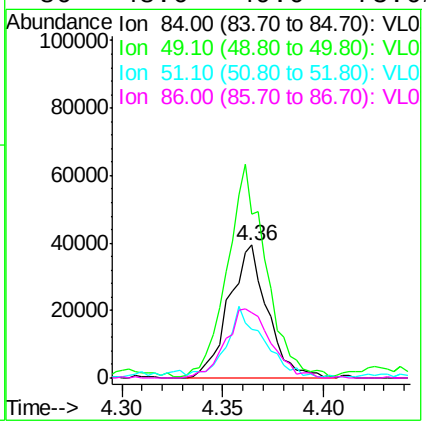


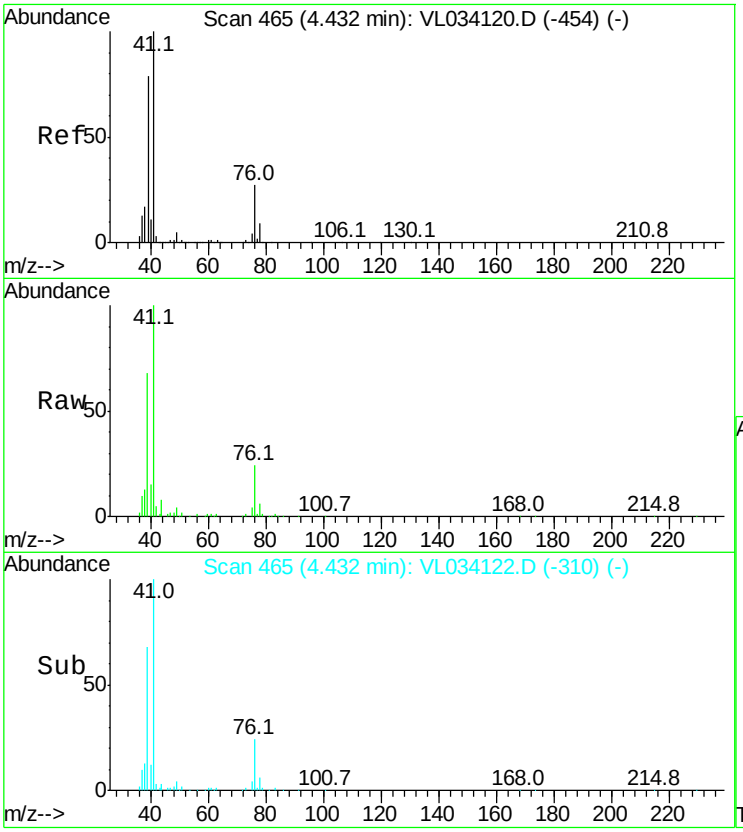


#20
Methylene Chloride
Concen: 1.099 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 84 Resp: 52950

Ion	Ratio	Lower	Upper
84	100		
49	121.3	131.0	196.6#
51	35.7	38.1	57.1#
86	48.6	49.0	73.6#



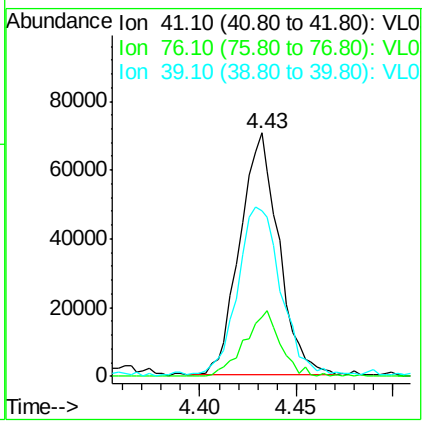


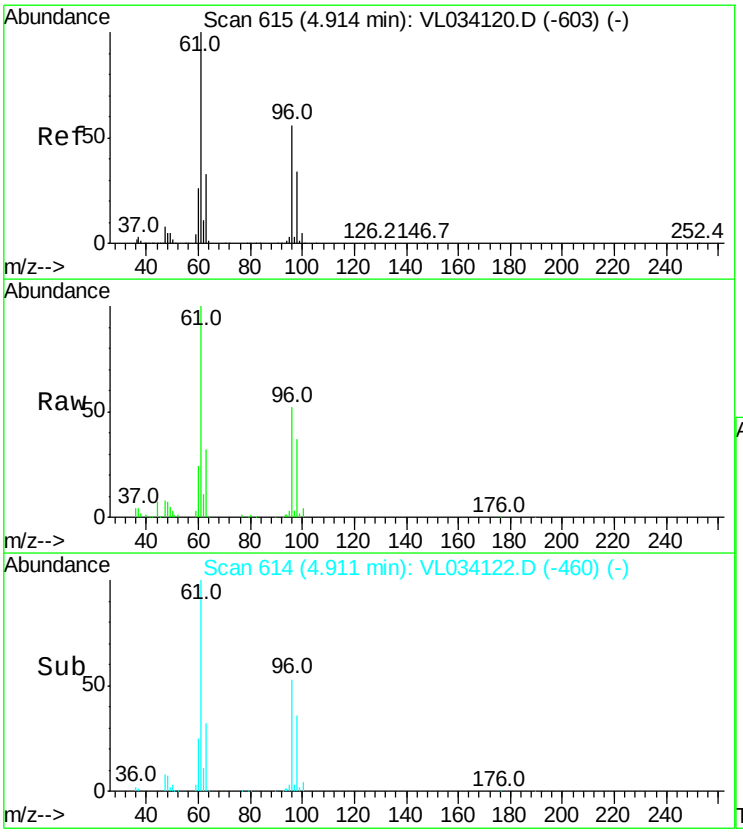
#21
Allyl Chloride
Concen: 1.028 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 98787

Ion	Ratio	Lower	Upper
41	100		
76	25.0	21.6	32.4
39	80.3	65.0	97.4

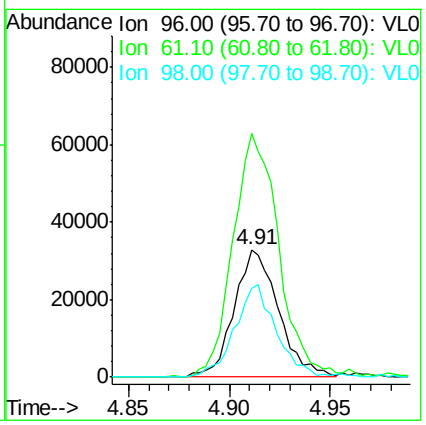


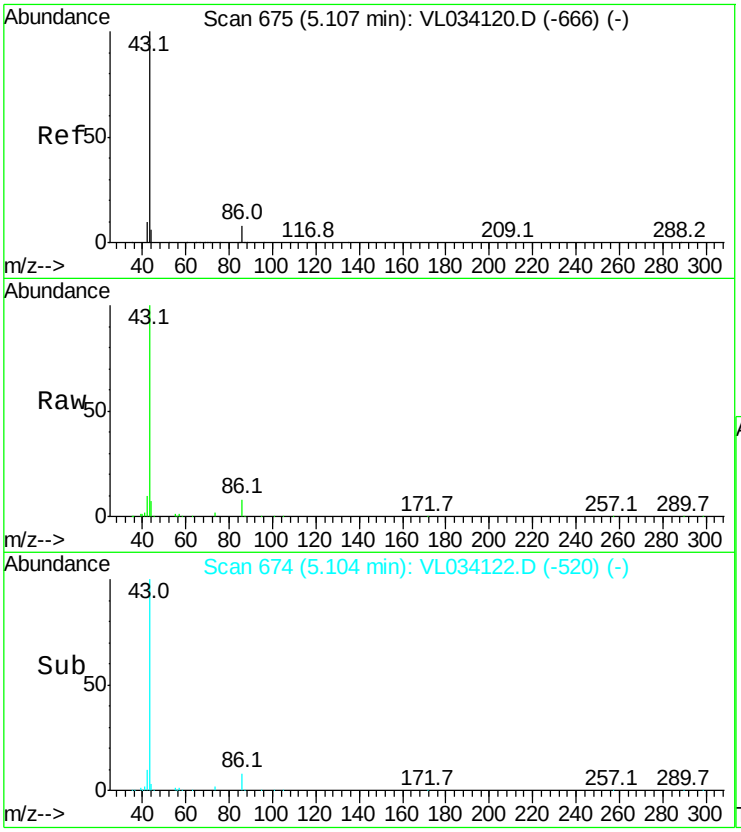


#22
trans-1,2-Dichloroethene
Concen: 1.019 ppbv
RT: 4.91 min Scan# 614
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 96 Resp: 50703

Ion	Ratio	Lower	Upper
96	100		
61	190.3	143.1	214.7
98	69.8	49.0	73.4



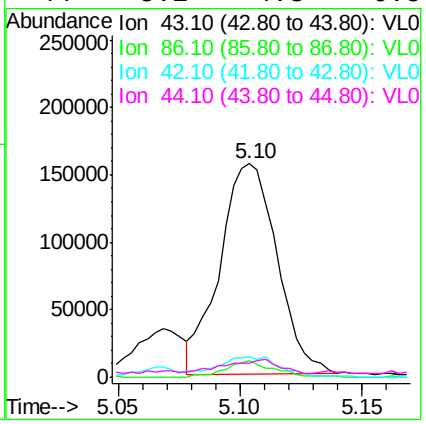


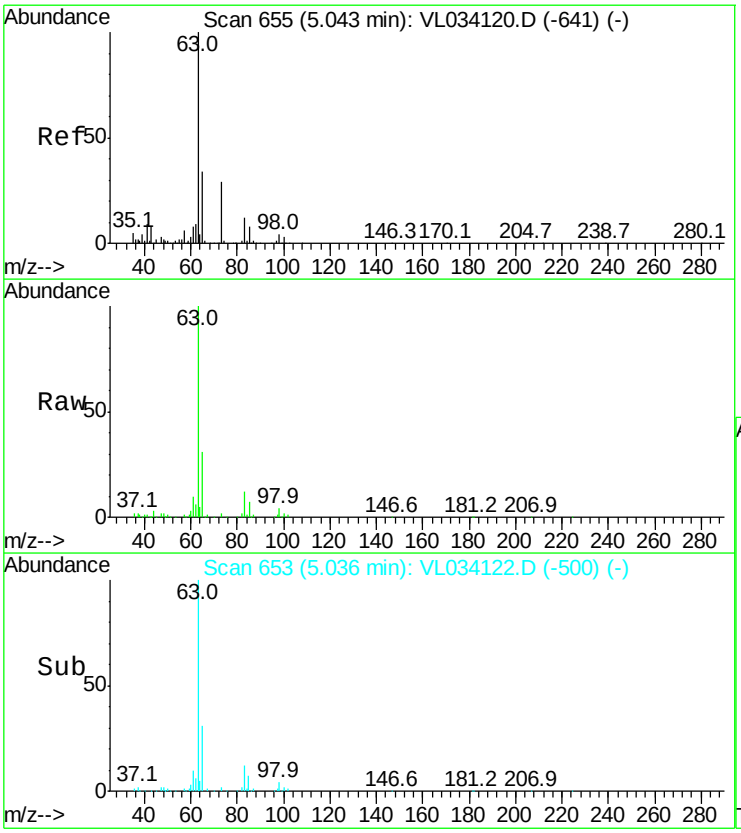
#23
Vinyl Acetate
Concen: 1.028 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 254106

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.5	8.3
42	9.6	8.2	12.4
44	5.2	4.3	6.5

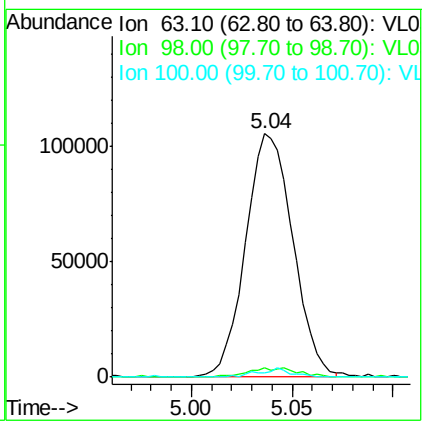


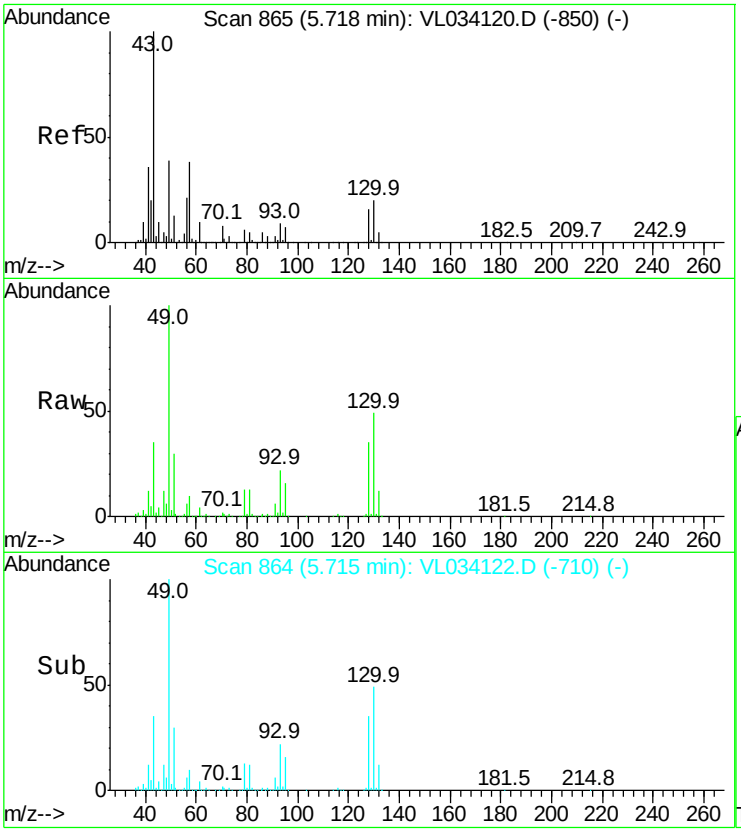


#24
1,1-Dichloroethane
Concen: 1.057 ppbv
RT: 5.04 min Scan# 653
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 63 Resp: 173398

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.2
100	2.0	1.4	4.0



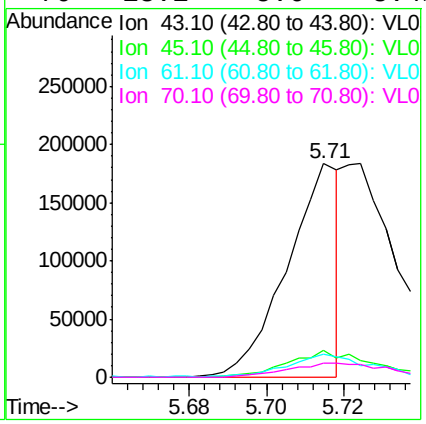


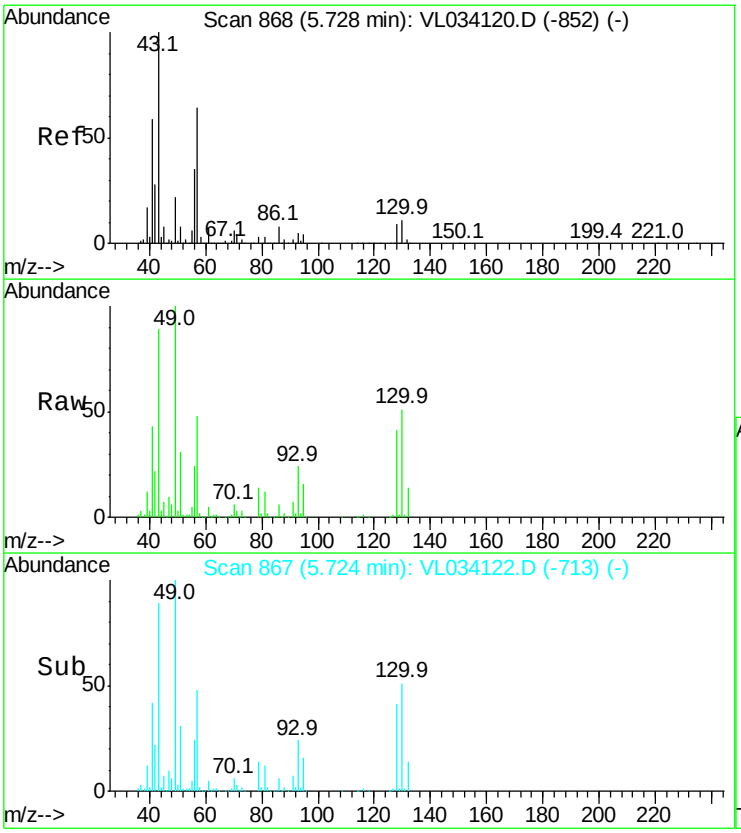
#25
Ethyl Acetate
Concen: 0.534 ppbv
RT: 5.71 min Scan# 864
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 170822

Ion	Ratio	Lower	Upper
43	100		
45	21.3	8.2	12.4#
61	17.7	7.4	11.2#
70	13.1	5.6	8.4#

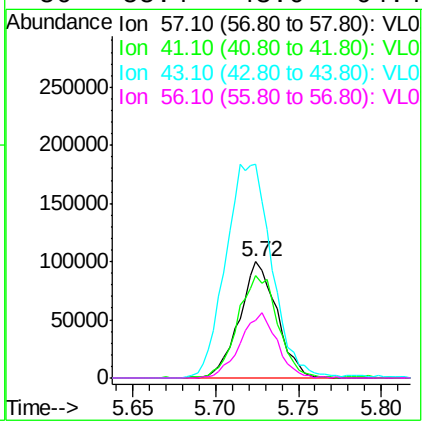


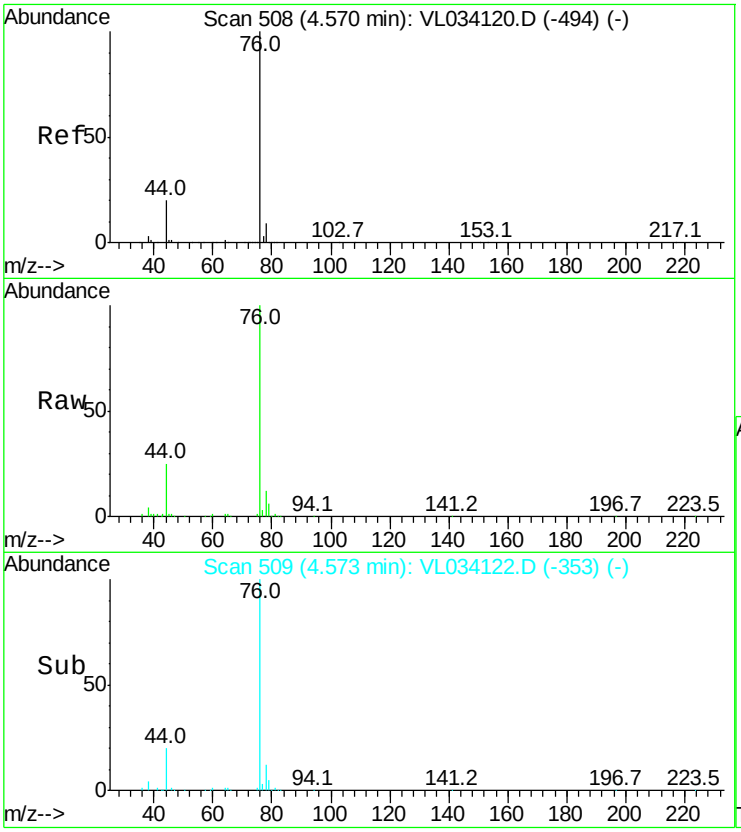


#26
Hexane
Concen: 1.104 ppbv
RT: 5.72 min Scan# 867
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 57 Resp: 156960

Ion	Ratio	Lower	Upper
57	100		
41	94.6	76.6	115.0
43	227.7	189.2	283.8
56	55.4	43.0	64.4



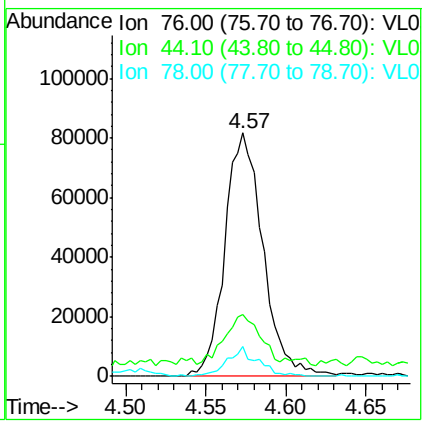


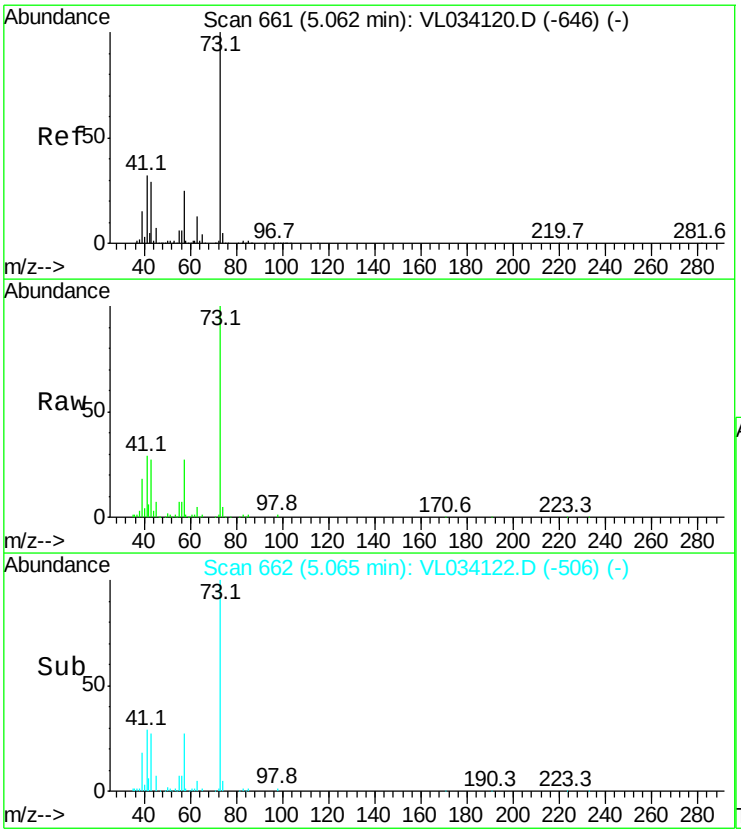
#27
Carbon Disulfide
Concen: 1.033 ppbv
RT: 4.57 min Scan# 509
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 132252

Ion	Ratio	Lower	Upper
76	100		
44	23.5	17.6	26.4
78	9.9	7.3	10.9

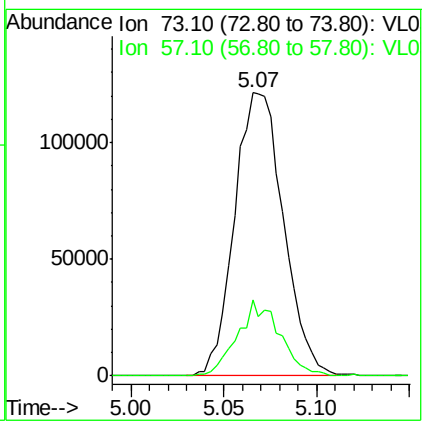


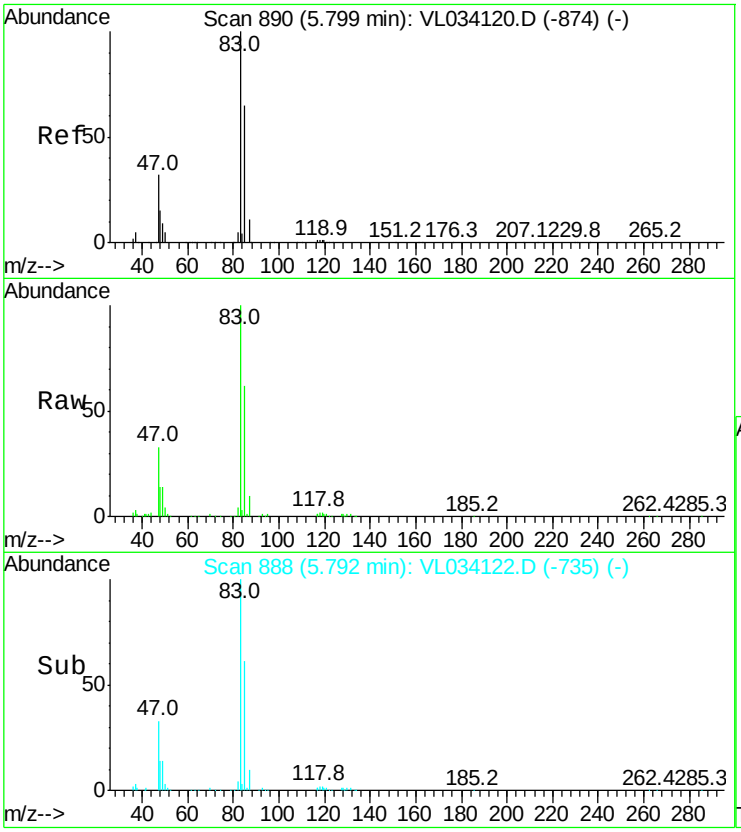


#28
Methyl tert-Butyl Ether
Concen: 1.061 ppbv
RT: 5.07 min Scan# 662
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 73 Resp: 221137

Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.8	29.8



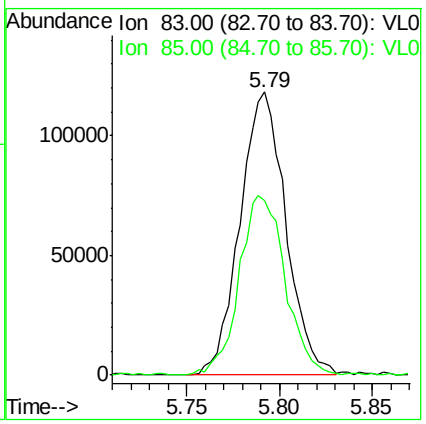


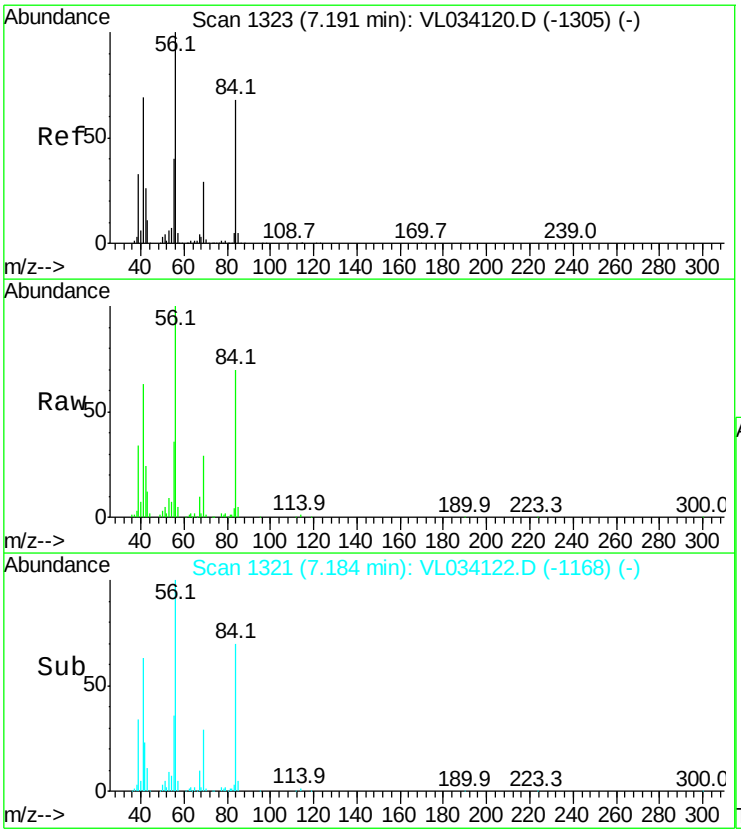
#29
Chloroform
Concen: 1.064 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 204082

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.8	77.6

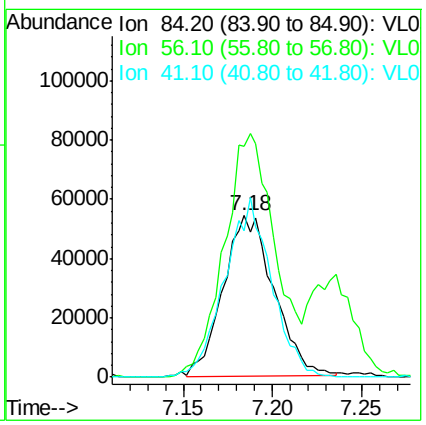


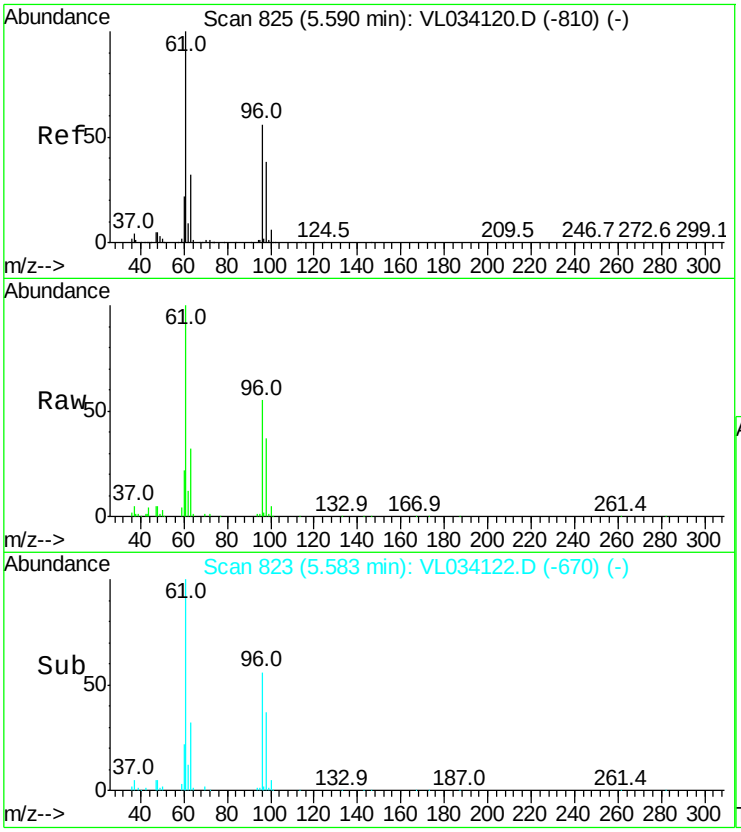


#30
Cyclohexane
Concen: 1.042 ppbv
RT: 7.18 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 84 Resp: 107175

Ion	Ratio	Lower	Upper
84	100		
56	149.4	122.6	183.8
41	102.8	79.1	118.7



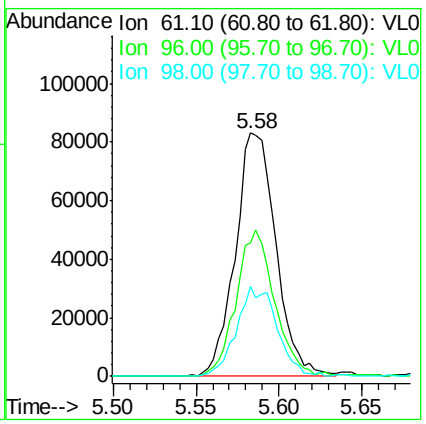


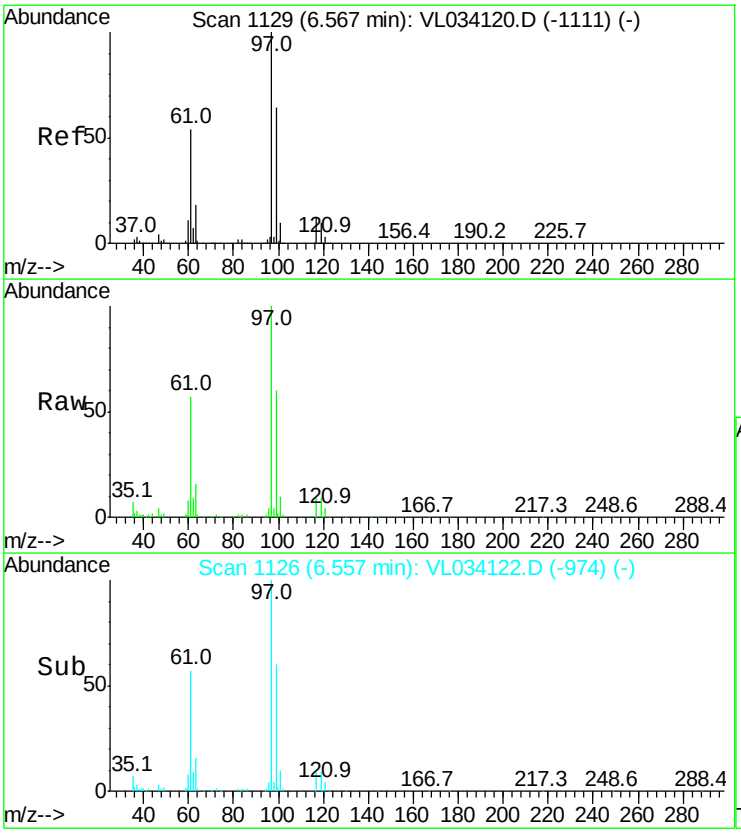
#31
cis-1,2-Dichloroethene
Concen: 1.043 ppbv
RT: 5.58 min Scan# 823
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 142058

Ion	Ratio	Lower	Upper
61	100		
96	54.8	44.4	66.6
98	36.9	30.0	45.0

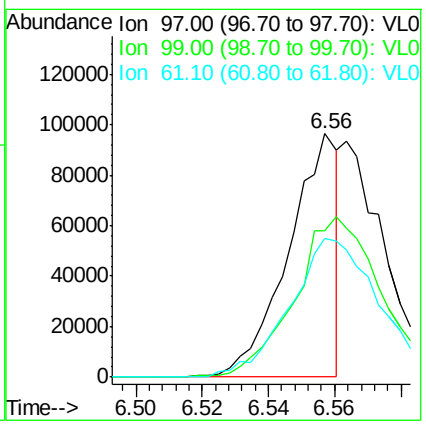


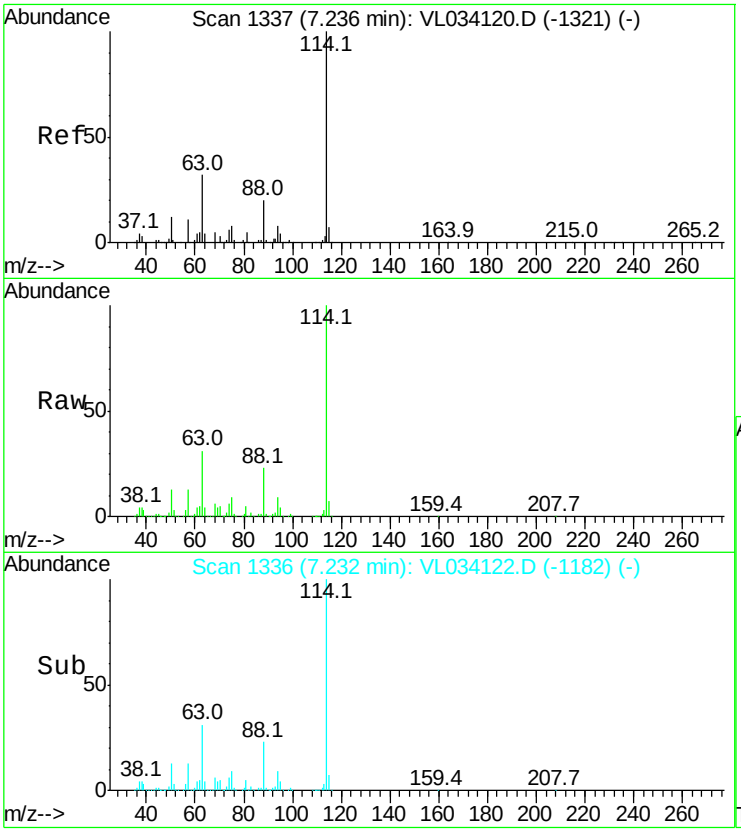


#32
1,1,1-Trichloroethane
Concen: 0.556 ppbv
RT: 6.56 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 97 Resp: 100261

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	102.6	44.0	66.0#



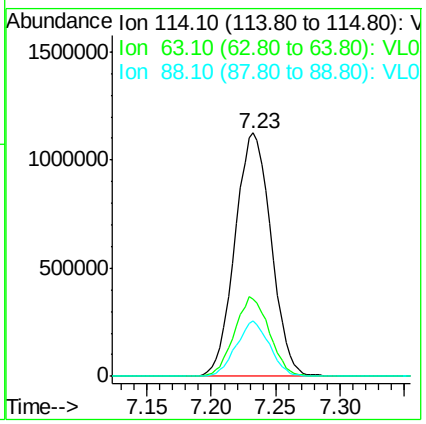


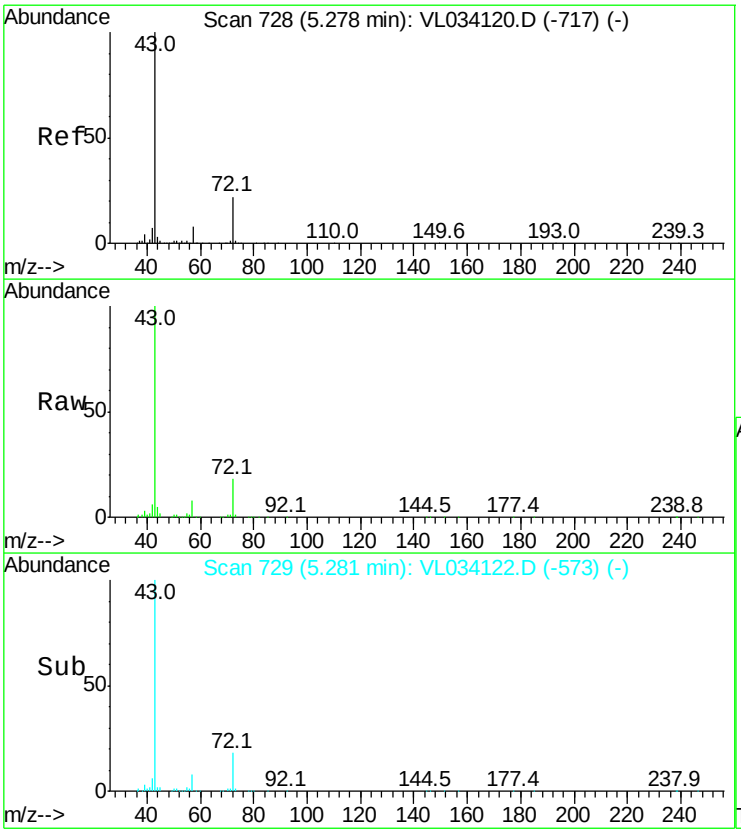
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2199548

Ion	Ratio	Lower	Upper
114	100		
63	31.6	25.5	38.3
88	21.1	16.8	25.2

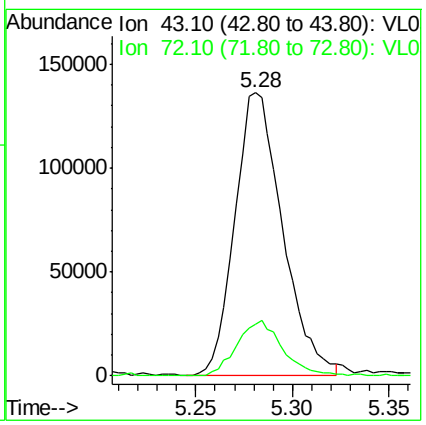


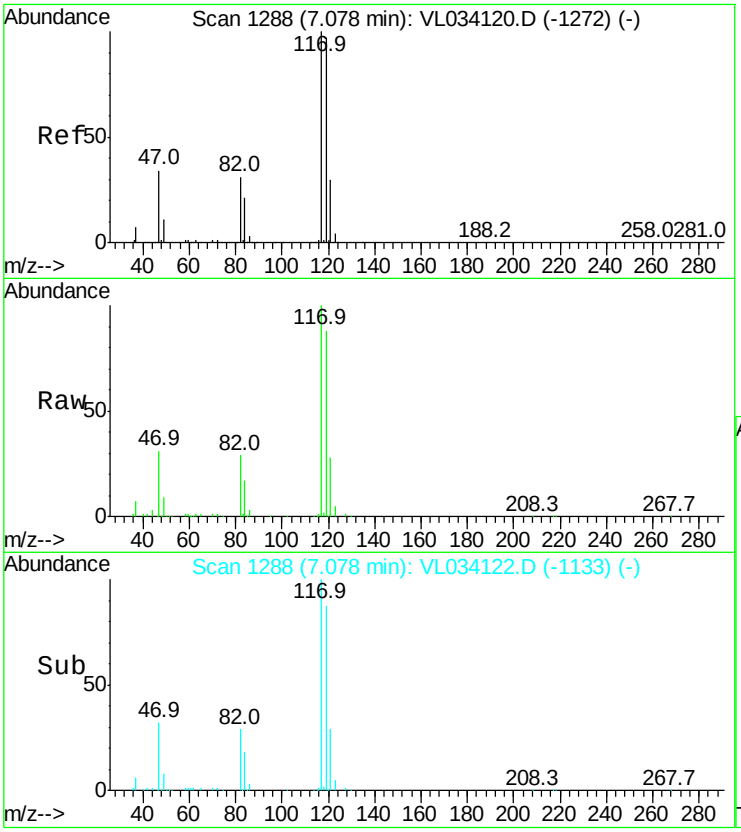


#34
2-Butanone
Concen: 1.105 ppbv
RT: 5.28 min Scan# 729
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 43 Resp: 233599

Ion	Ratio	Lower	Upper
43	100		
72	19.2	16.5	24.7



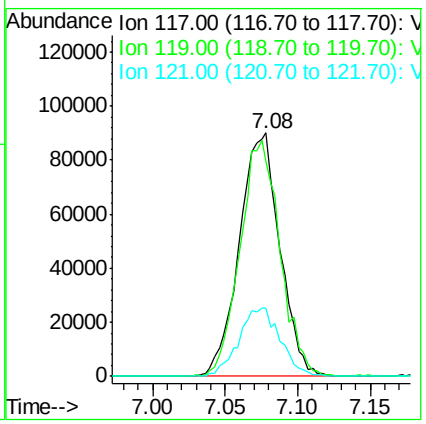


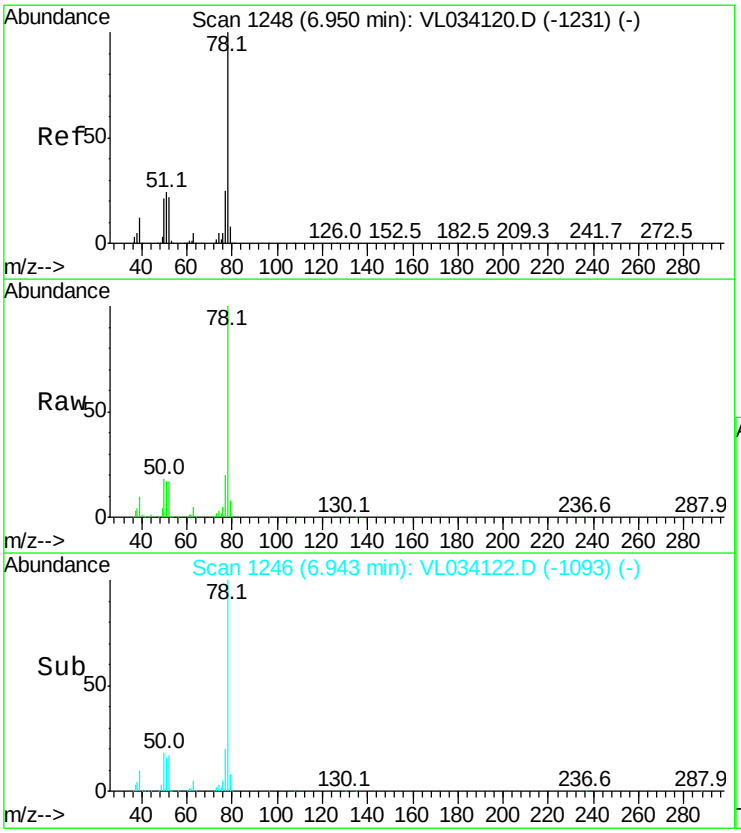
#35
Carbon Tetrachloride
Concen: 1.031 ppbv
RT: 7.08 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 175281

Ion	Ratio	Lower	Upper
117	100		
119	88.3	77.2	115.8
121	28.0	24.2	36.4

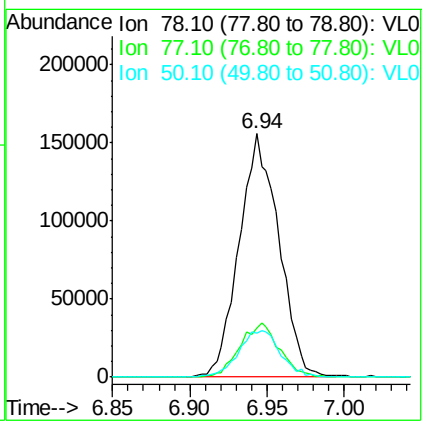


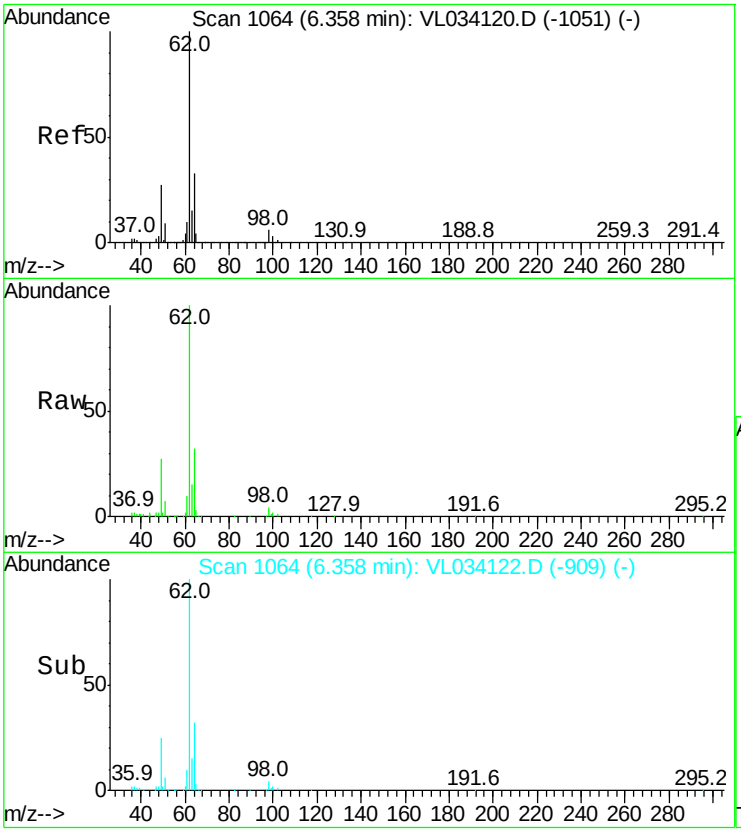


#36
Benzene
Concen: 1.102 ppbv
RT: 6.94 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 78 Resp: 276942

Ion	Ratio	Lower	Upper
78	100		
77	20.1	20.3	30.5#
50	18.1	16.9	25.3



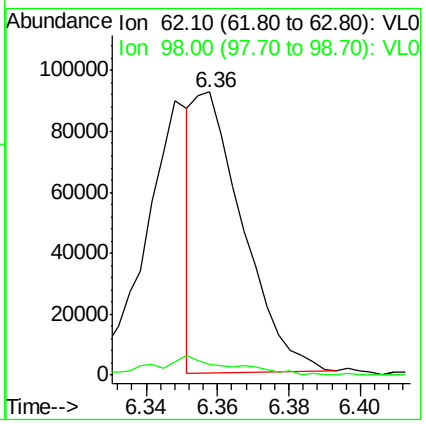


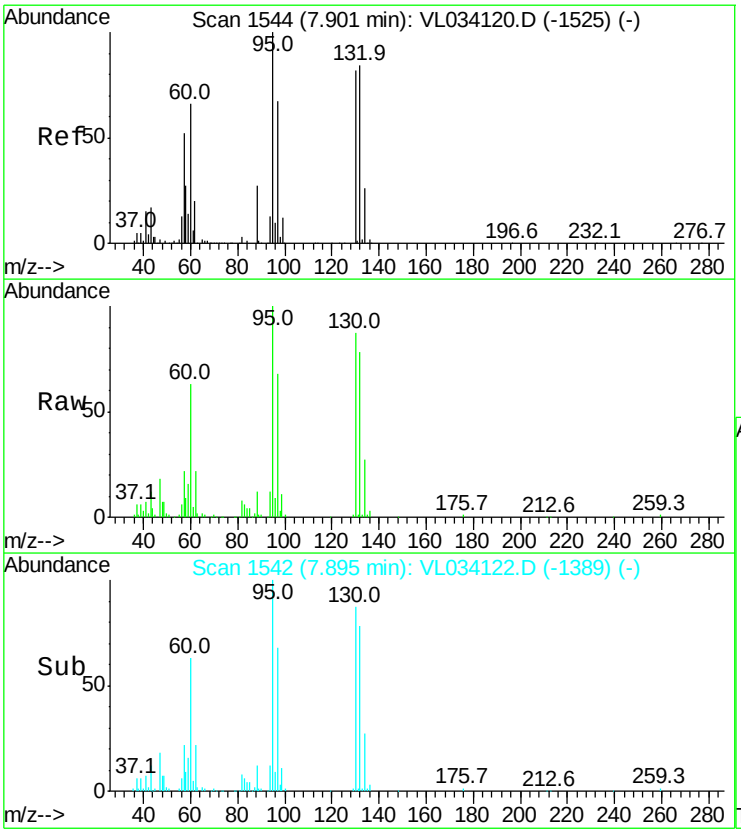
#37
1,2-Dichloroethane
Concen: 0.564 ppbv
RT: 6.36 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 86931

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.4	6.6#

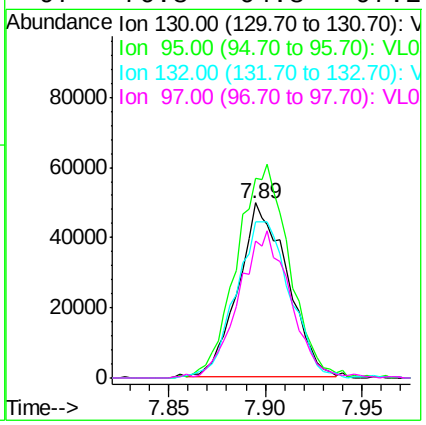


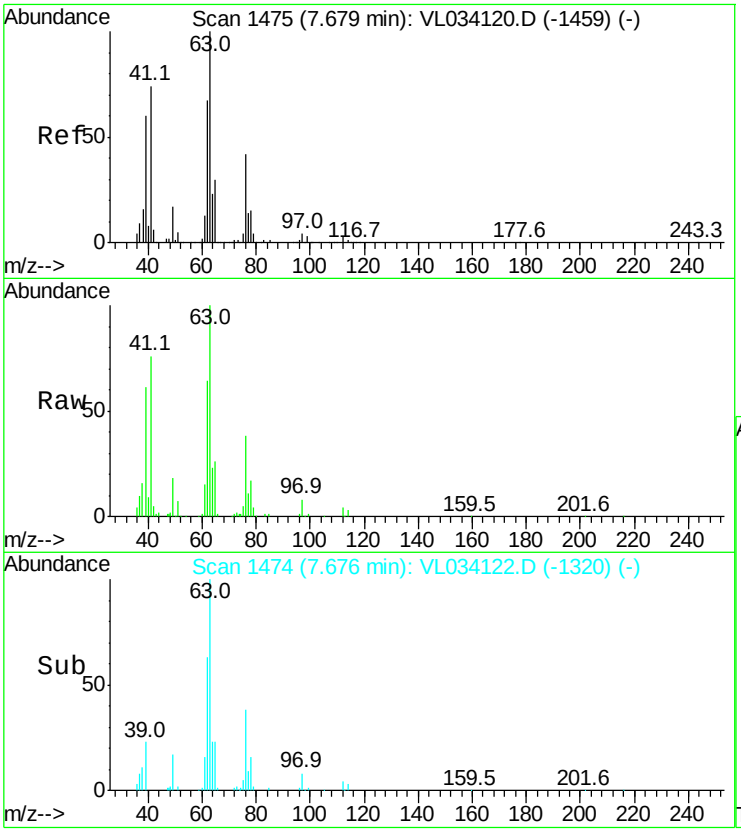


#38
Trichloroethene
Concen: 0.946 ppbv
RT: 7.89 min Scan# 1542
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:130 Resp: 87965

Ion	Ratio	Lower	Upper
130	100		
95	114.5	97.2	145.8
132	89.0	81.4	122.2
97	76.8	64.8	97.2



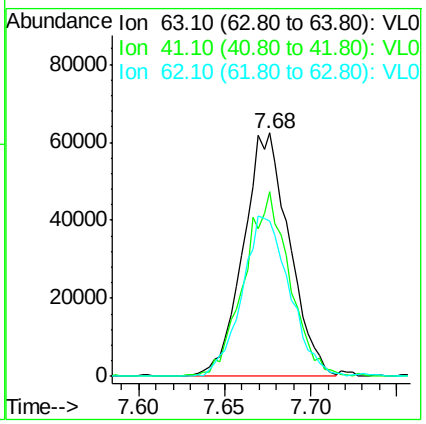


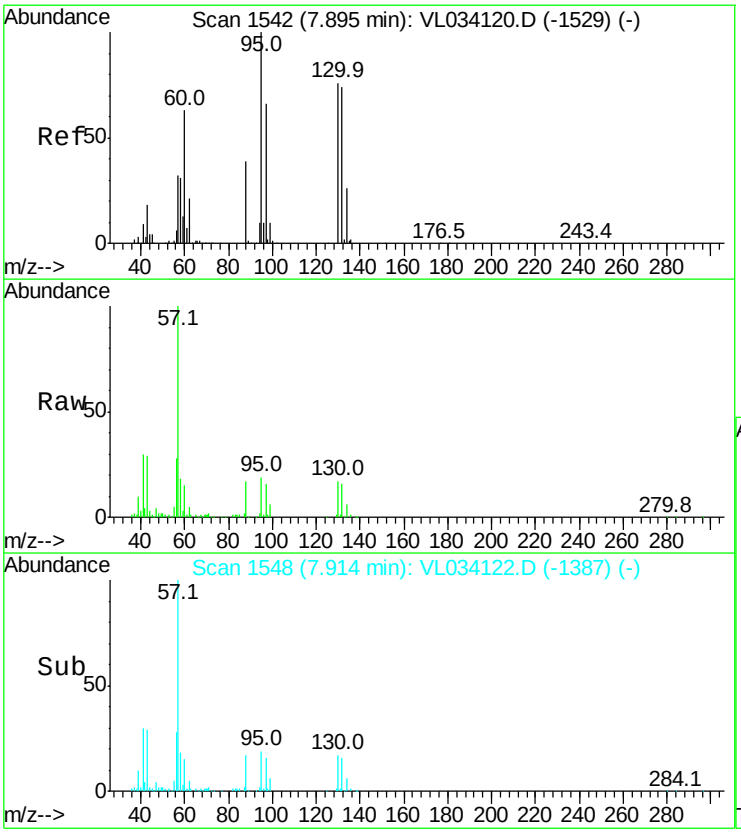
#39
1,2-Dichloropropane
Concen: 1.080 ppbv
RT: 7.68 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 116227

Ion	Ratio	Lower	Upper
63	100		
41	75.1	59.3	88.9
62	63.7	53.8	80.6

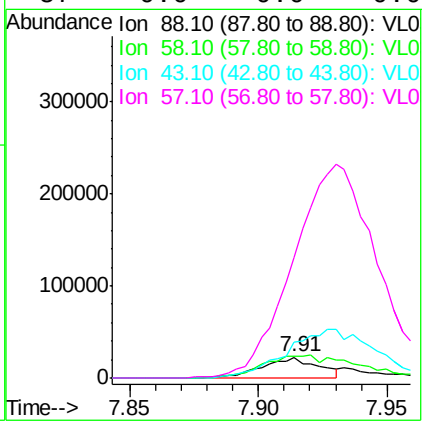


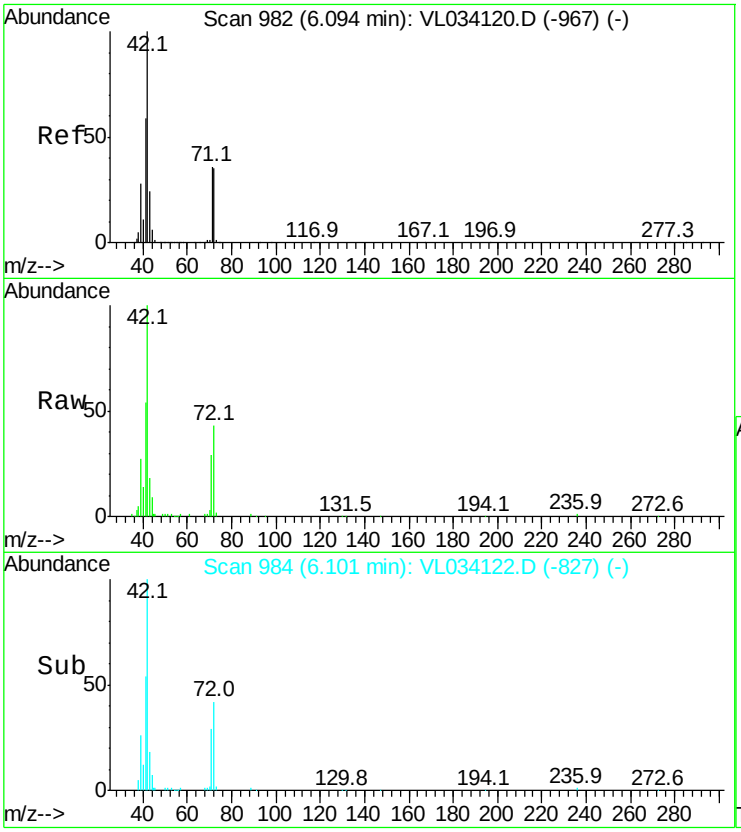


#40
1,4-Dioxane
Concen: 0.858 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. 0.02 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 88 Resp: 34067

Ion	Ratio	Lower	Upper
88	100		
58	198.6	121.7	182.5#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



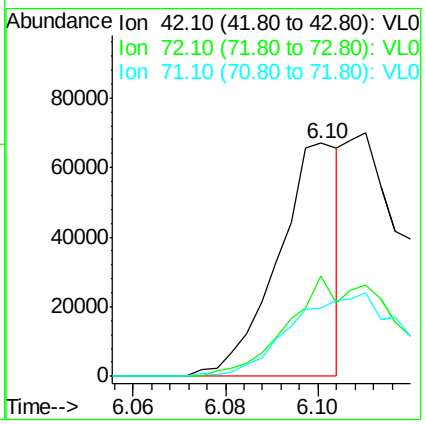


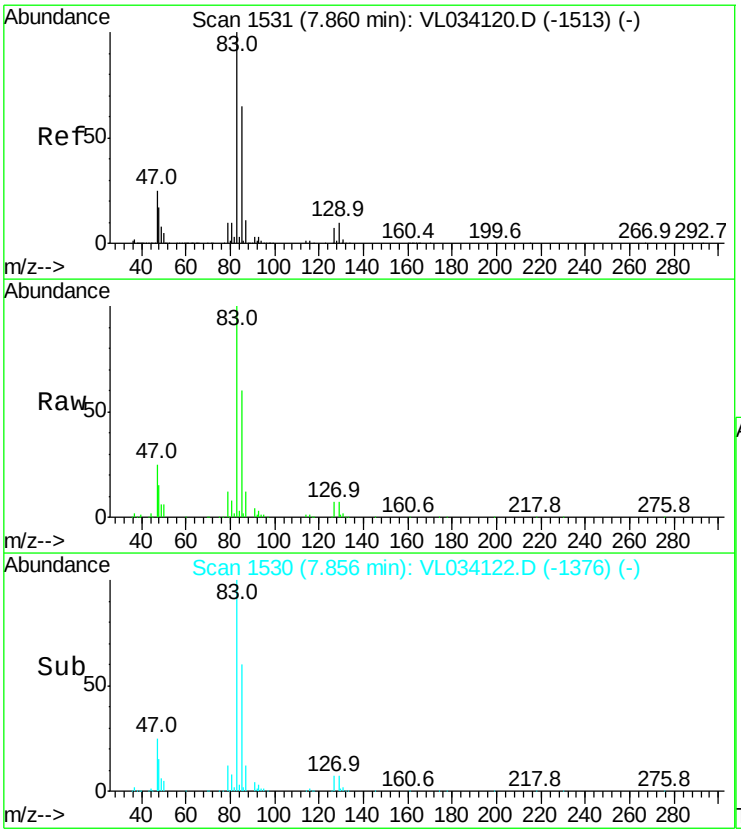
#41
Tetrahydrofuran
Concen: 0.486 ppbv
RT: 6.10 min Scan# 984
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 61394

Ion	Ratio	Lower	Upper
42	100		
72	78.6	27.7	41.5#
71	0.0	26.7	40.1#

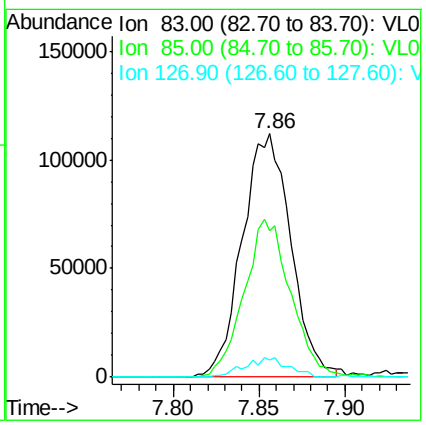


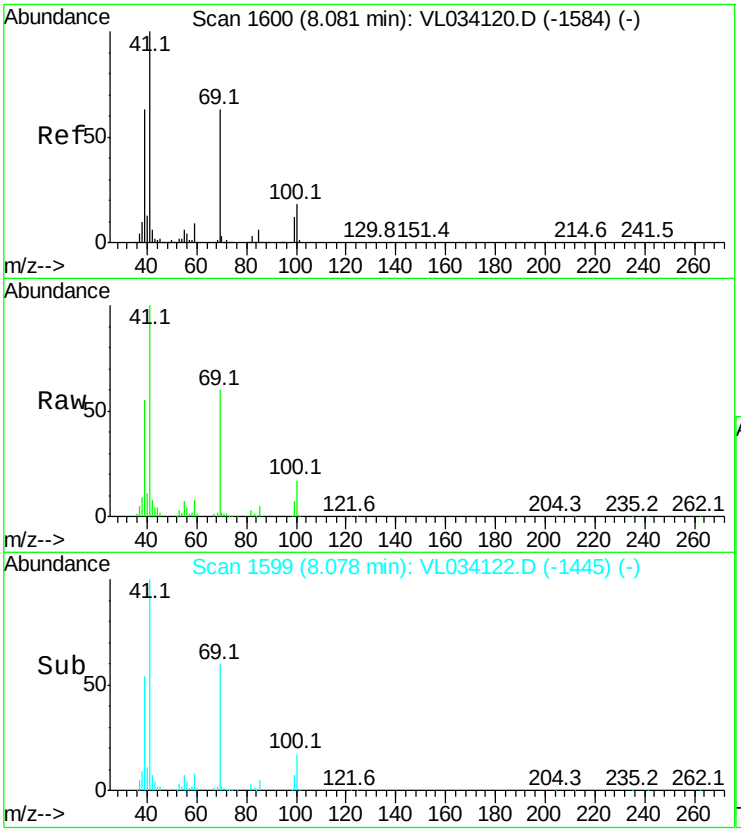


#42
Bromodichloromethane
Concen: 1.094 ppbv
RT: 7.86 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 83 Resp: 219953

Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.6	77.4
127	6.8	5.4	8.0



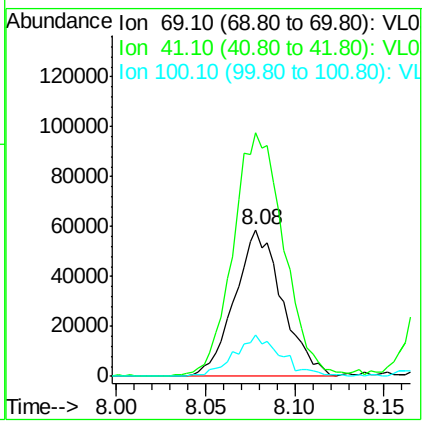


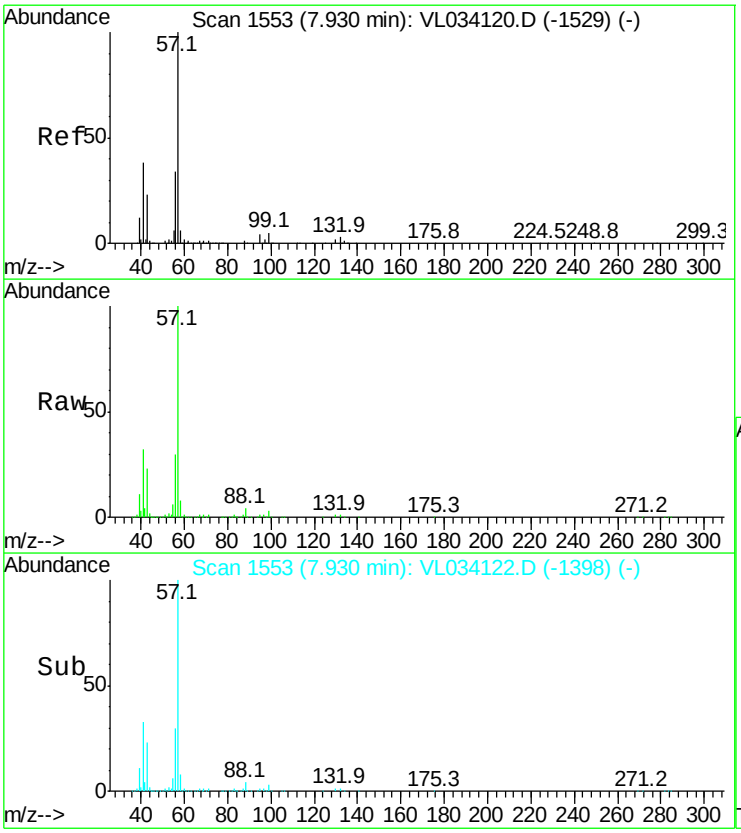
#43
Methyl Methacrylate
Concen: 1.052 ppbv
RT: 8.08 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 108943

Ion	Ratio	Lower	Upper
69	100		
41	177.4	131.0	196.6
100	27.8	22.6	33.8

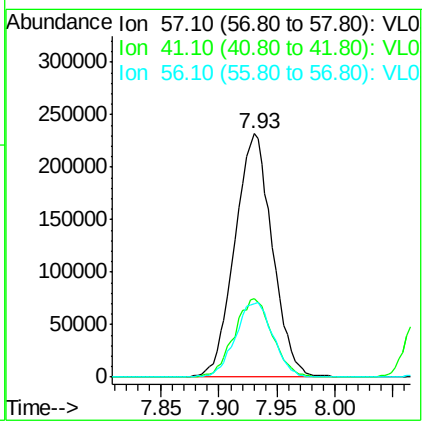


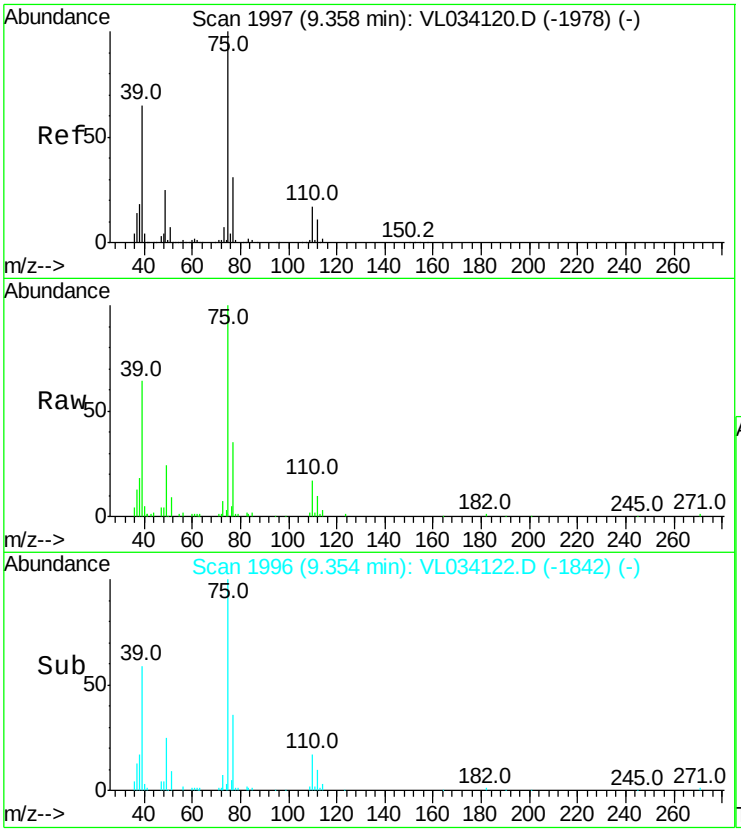


#44
2,2,4-Trimethylpentane
Concen: 1.128 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 57 Resp: 522853

Ion	Ratio	Lower	Upper
57	100		
41	32.9	28.4	42.6
56	30.7	26.3	39.5



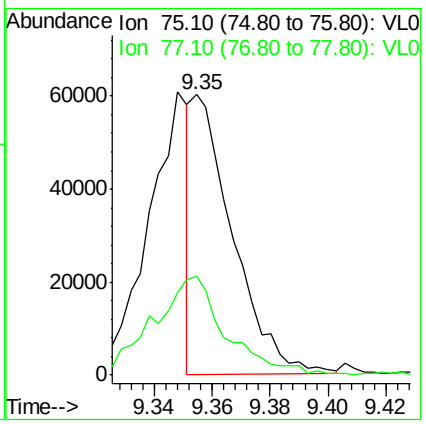


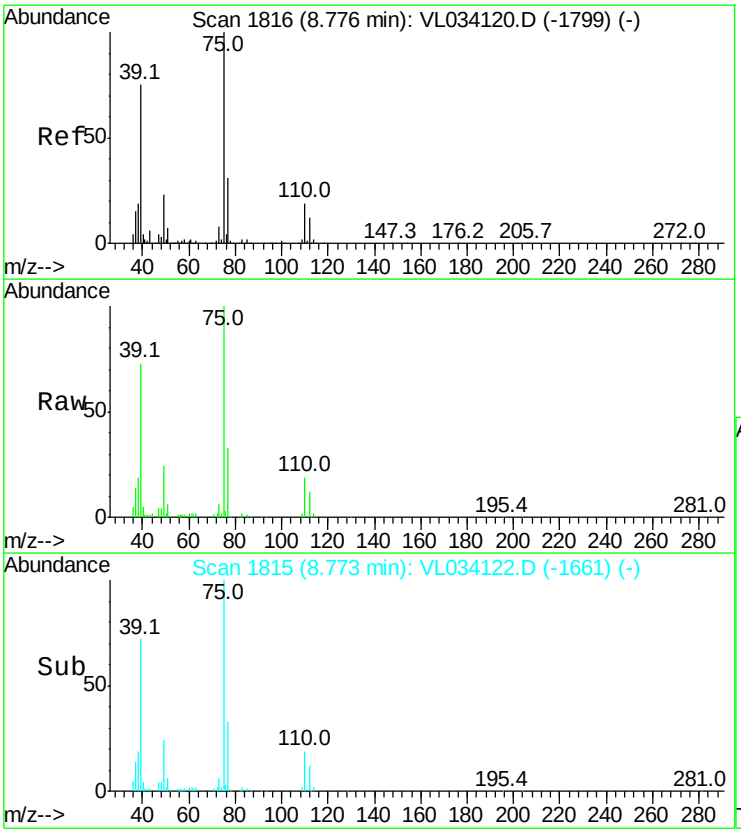
#45
t-1,3-Dichloropropene
Concen: 0.476 ppbv
RT: 9.35 min Scan# 1996
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 57879

Ion	Ratio	Lower	Upper
75	100		
77	35.5	24.6	36.8

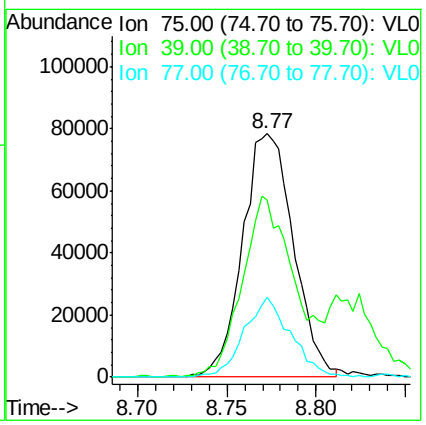


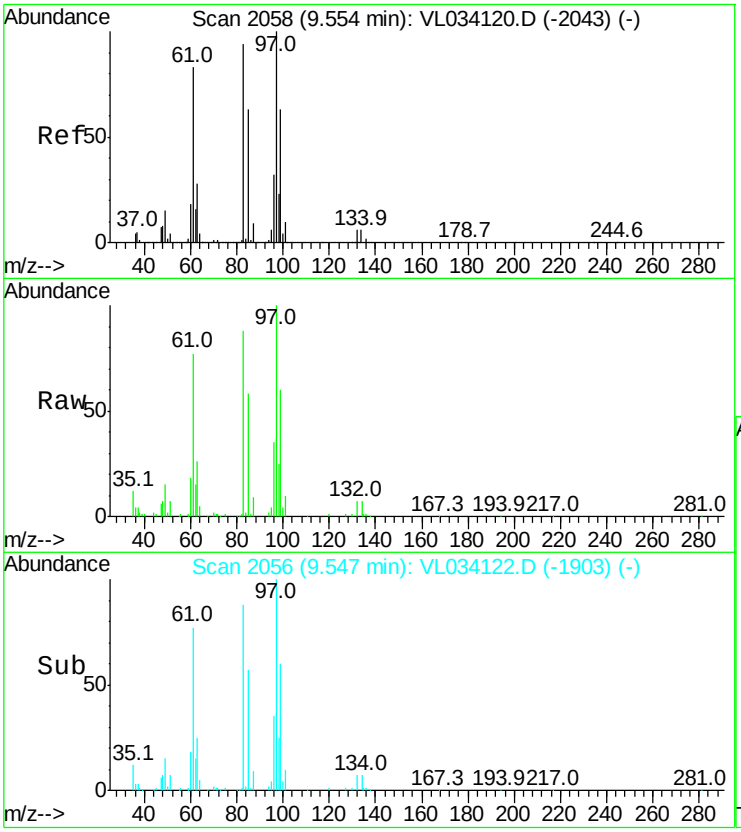


#46
cis-1,3-Dichloropropene
Concen: 1.057 ppbv
RT: 8.77 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 75 Resp: 156479

Ion	Ratio	Lower	Upper
75	100		
39	72.5	60.0	90.0
77	32.9	24.8	37.2



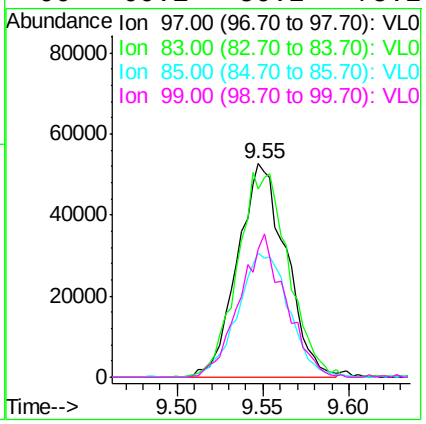


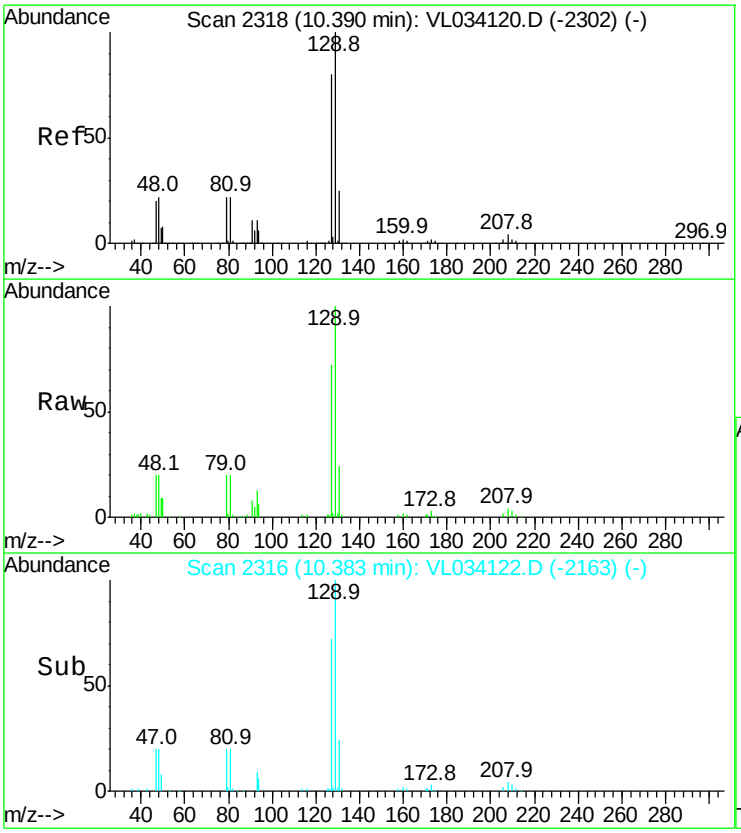
#47
1,1,2-Trichloroethane
Concen: 1.055 ppbv
RT: 9.55 min Scan# 2056
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 103297

Ion	Ratio	Lower	Upper
97	100		
83	87.4	74.9	112.3
85	58.1	50.6	75.8
99	60.1	50.2	75.2

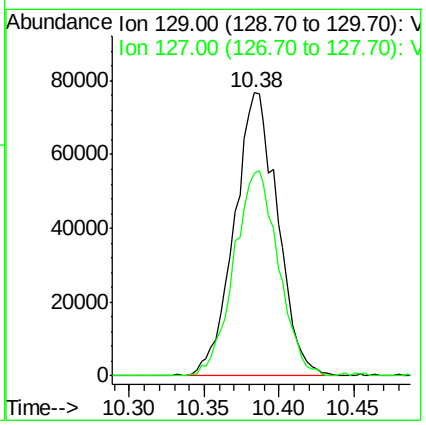


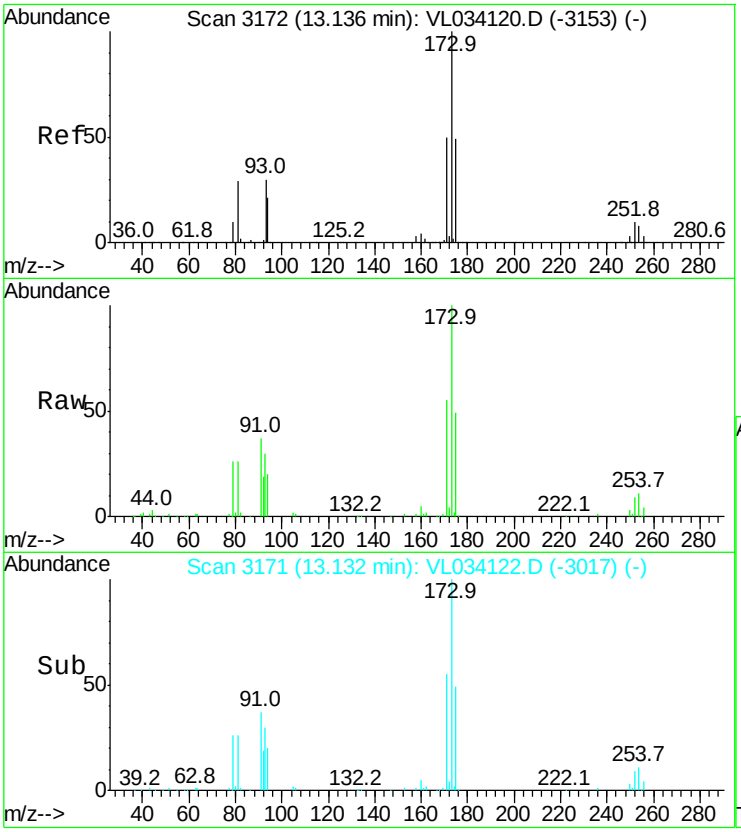


#48
Dibromochloromethane
Concen: 1.060 ppbv
RT: 10.38 min Scan# 2316
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:129 Resp: 155069

Ion	Ratio	Lower	Upper
129	100		
127	74.8	40.2	120.6



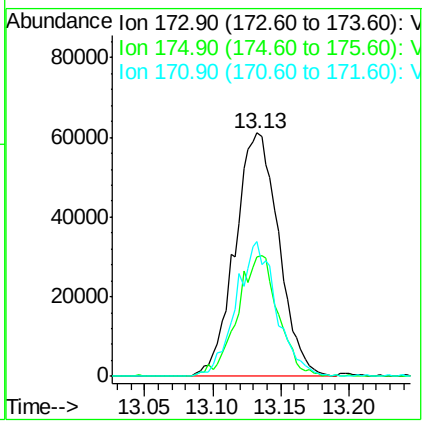


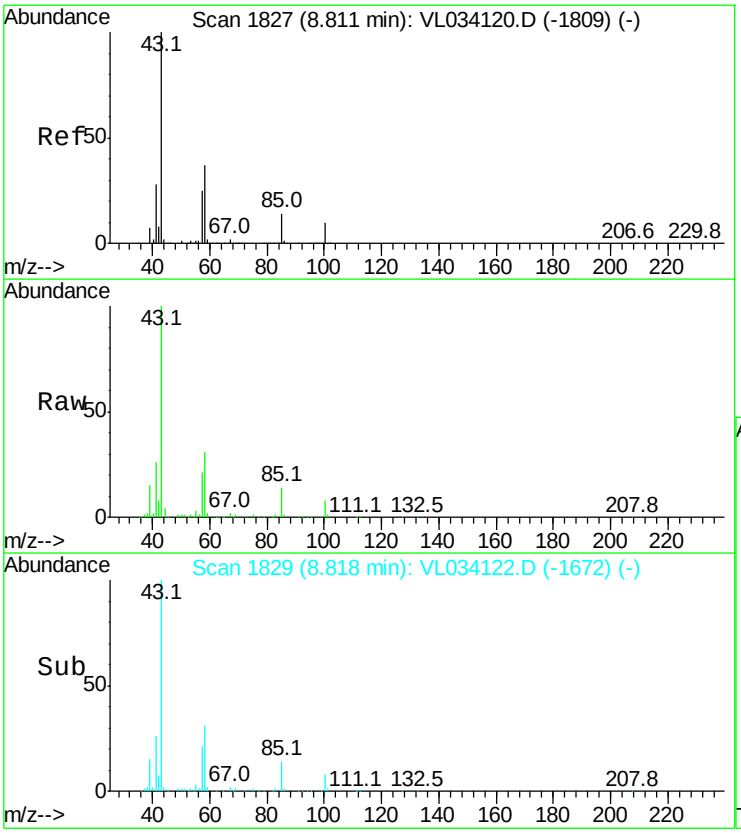
#49
Bromoform
Concen: 1.060 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 135730

Ion	Ratio	Lower	Upper
173	100		
175	46.7	40.0	60.0
171	51.2	42.2	63.2

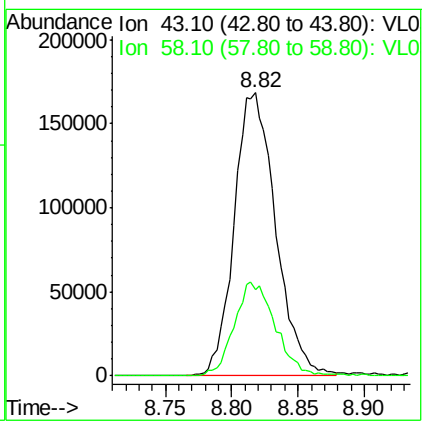


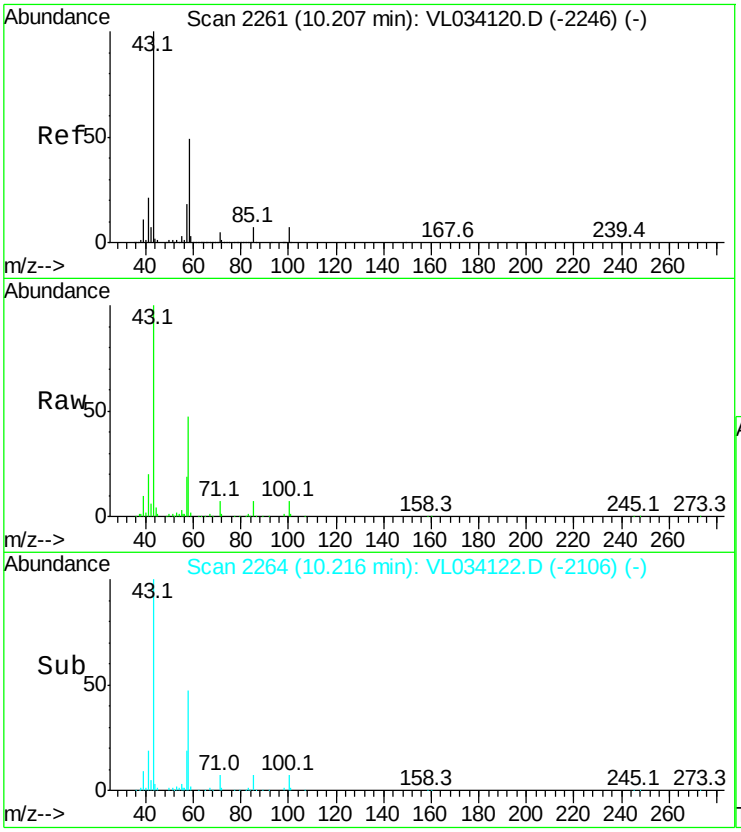


#50
4-Methyl-2-Pentanone
Concen: 1.136 ppbv
RT: 8.82 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 43 Resp: 366473

Ion	Ratio	Lower	Upper
43	100		
58	33.1	28.5	42.7



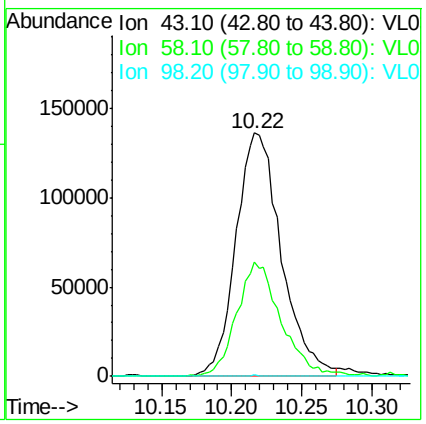


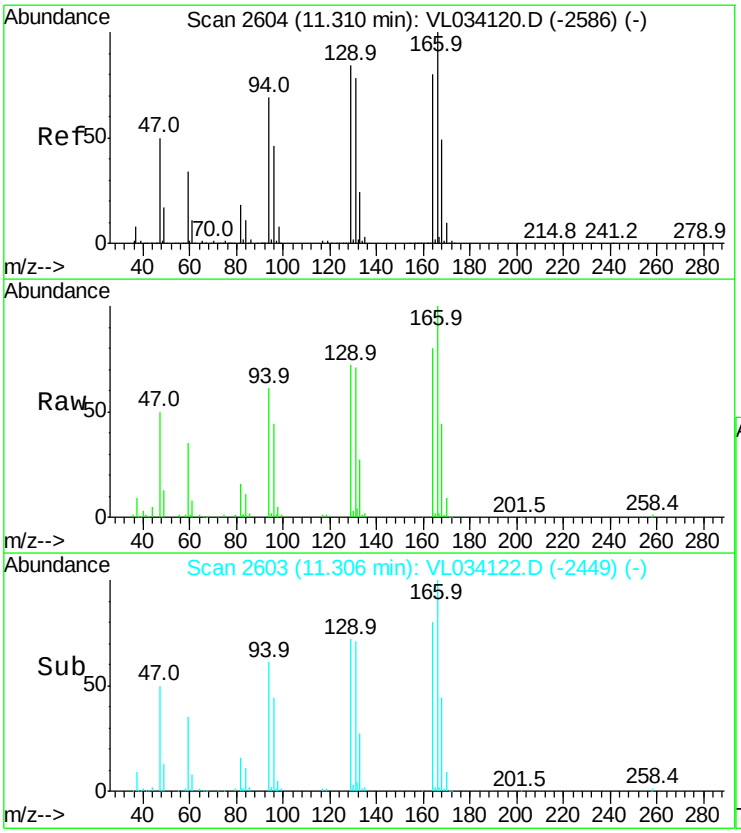
#51
2-Hexanone
Concen: 1.110 ppbv
RT: 10.22 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 306637

Ion	Ratio	Lower	Upper
43	100		
58	46.0	38.2	57.2
98	0.1	0.1	0.1#

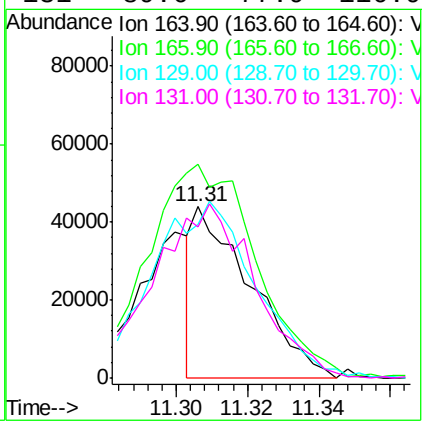


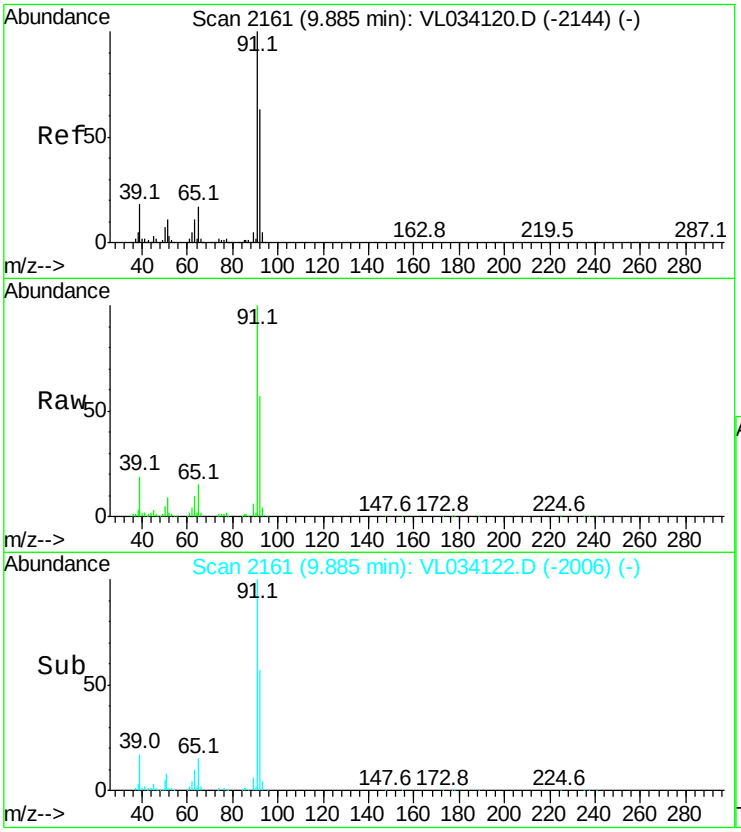


#52
Tetrachloroethene
Concen: 0.553 ppbv
RT: 11.31 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:164 Resp: 48697

Ion	Ratio	Lower	Upper
164	100		
166	118.6	99.5	149.3
129	84.5	83.6	125.4
131	89.6	77.9	116.9



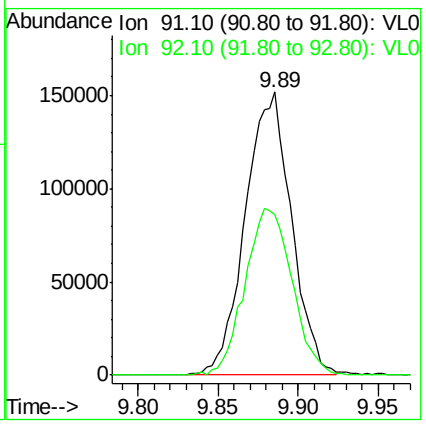


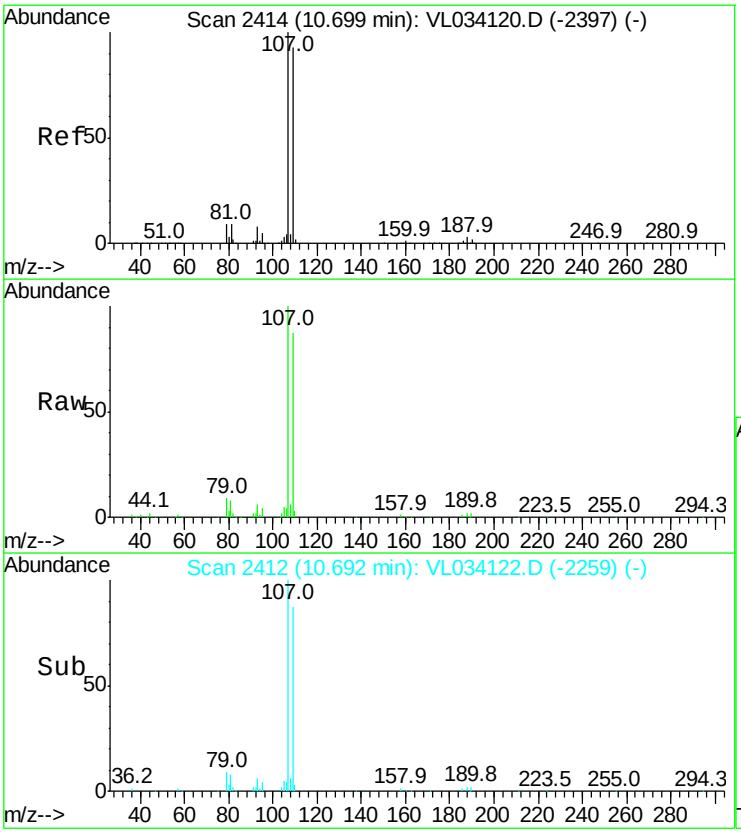
#53
Toluene
Concen: 1.080 ppbv
RT: 9.89 min Scan# 2161
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 300317

Ion	Ratio	Lower	Upper
91	100		
92	60.3	49.3	73.9

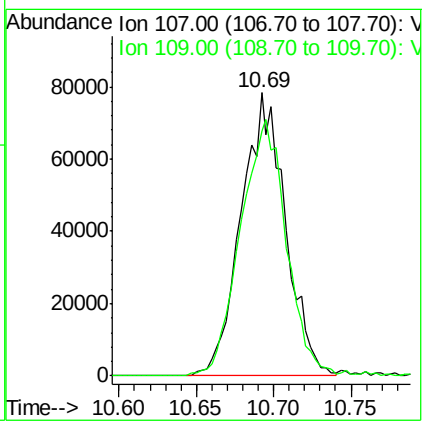


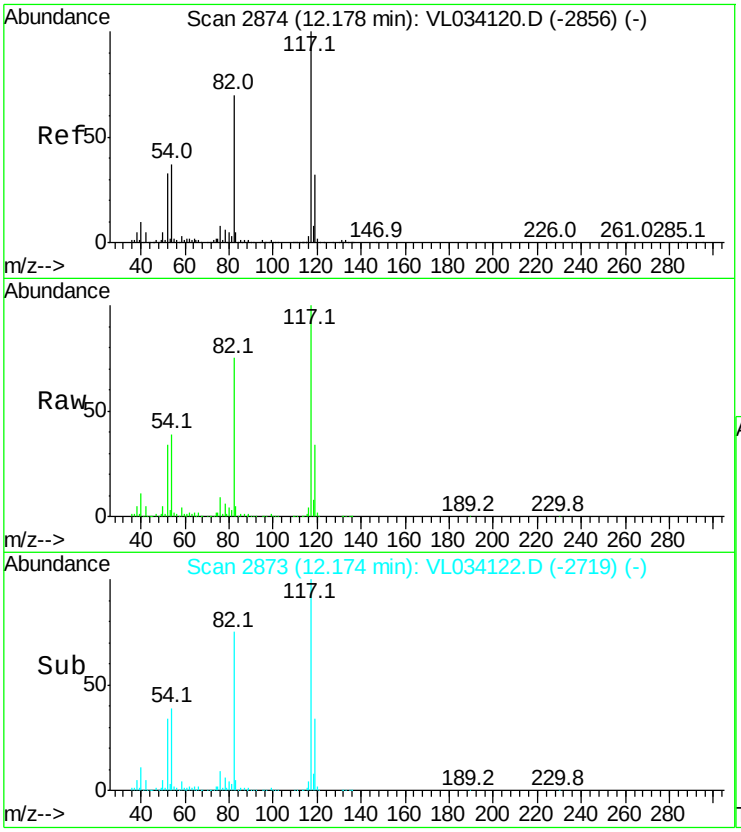


#54
1,2-Dibromoethane
Concen: 1.072 ppbv
RT: 10.69 min Scan# 2412
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:107 Resp: 156063

Ion	Ratio	Lower	Upper
107	100		
109	86.7	74.5	111.7



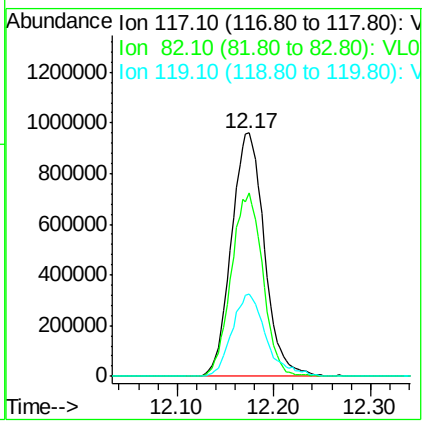


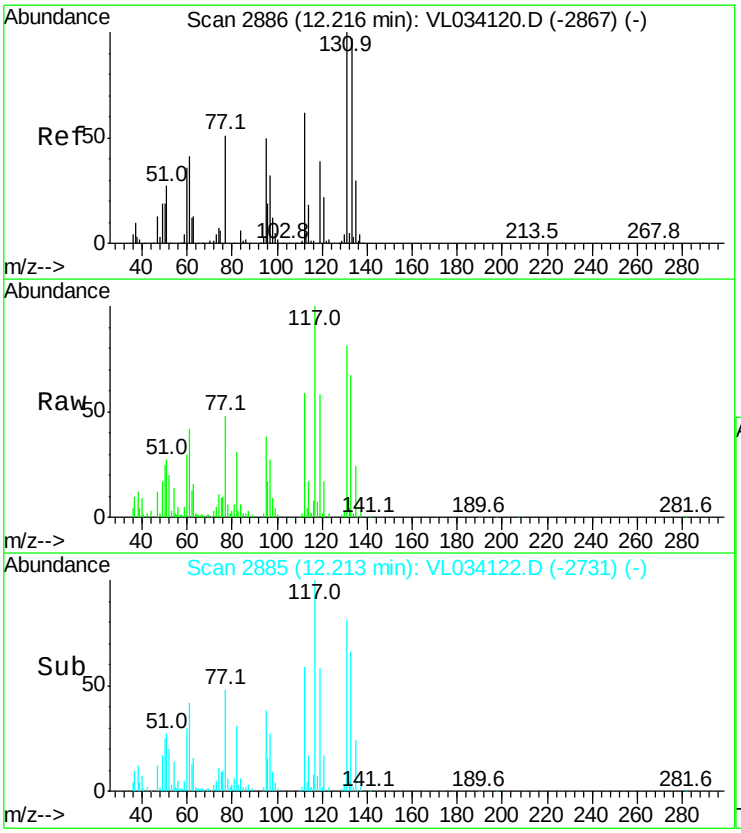
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2275907

Ion	Ratio	Lower	Upper
117	100		
82	72.3	55.8	83.6
119	35.0	43.1	64.7#

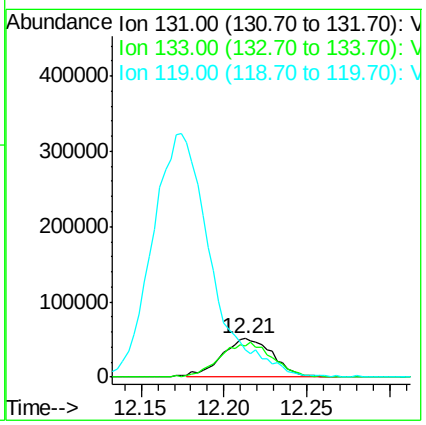


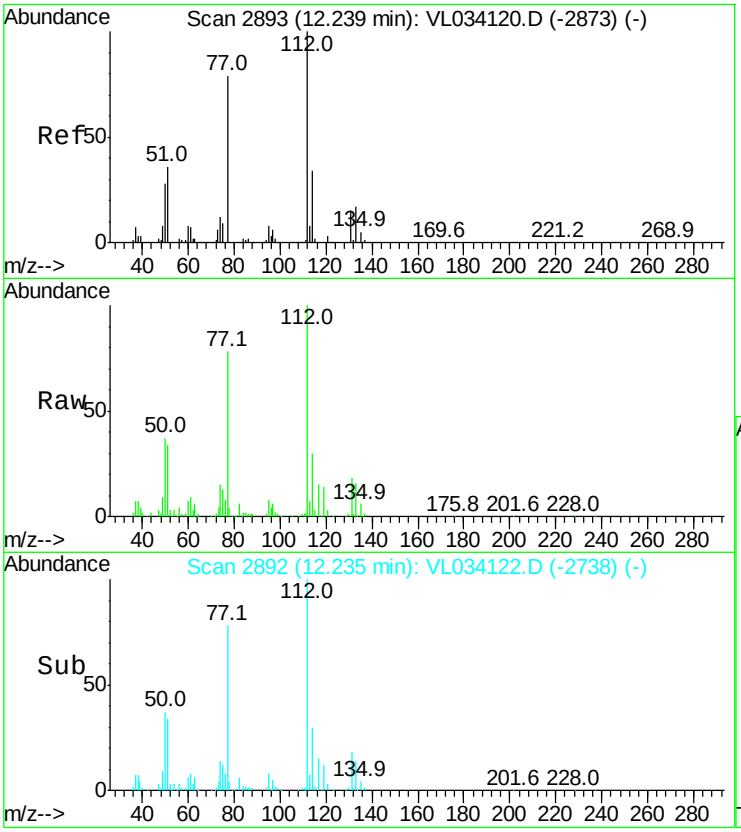


#56
1,1,1,2-Tetrachloroethane
Concen: 1.117 ppbv
RT: 12.21 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:131 Resp: 109000

Ion	Ratio	Lower	Upper
131	100		
133	94.0	75.8	113.6
119	729.9	114.7	172.1#



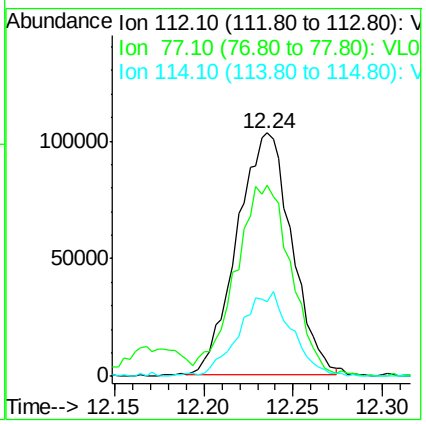


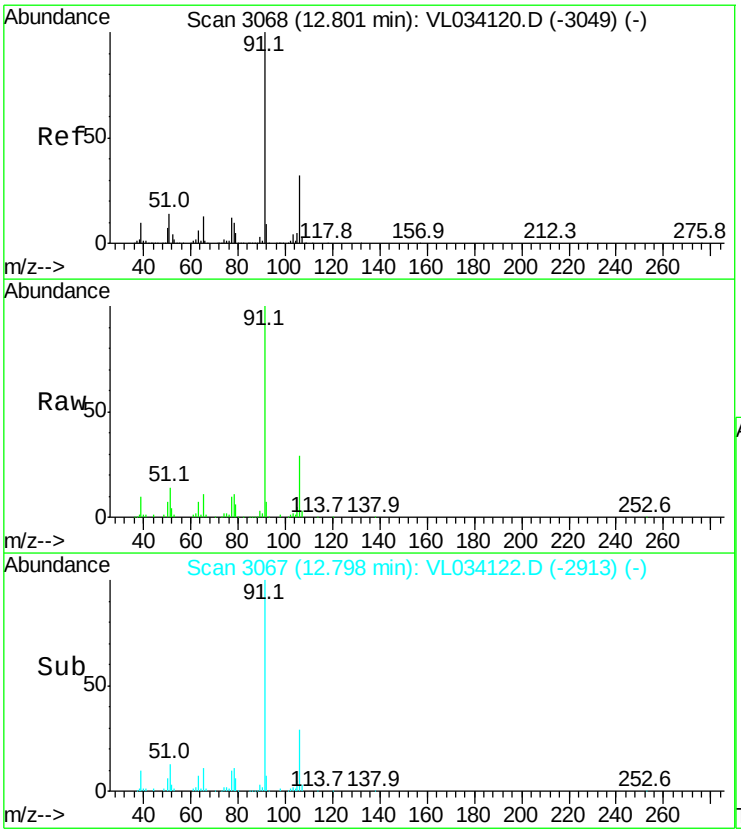
#57
Chlorobenzene
Concen: 1.125 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 220168

Ion	Ratio	Lower	Upper
112	100		
77	77.5	64.4	96.6
114	29.5	30.3	37.1#

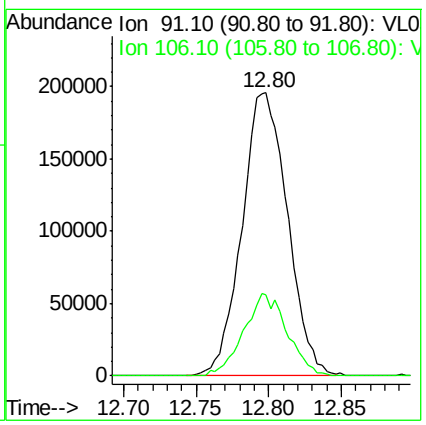


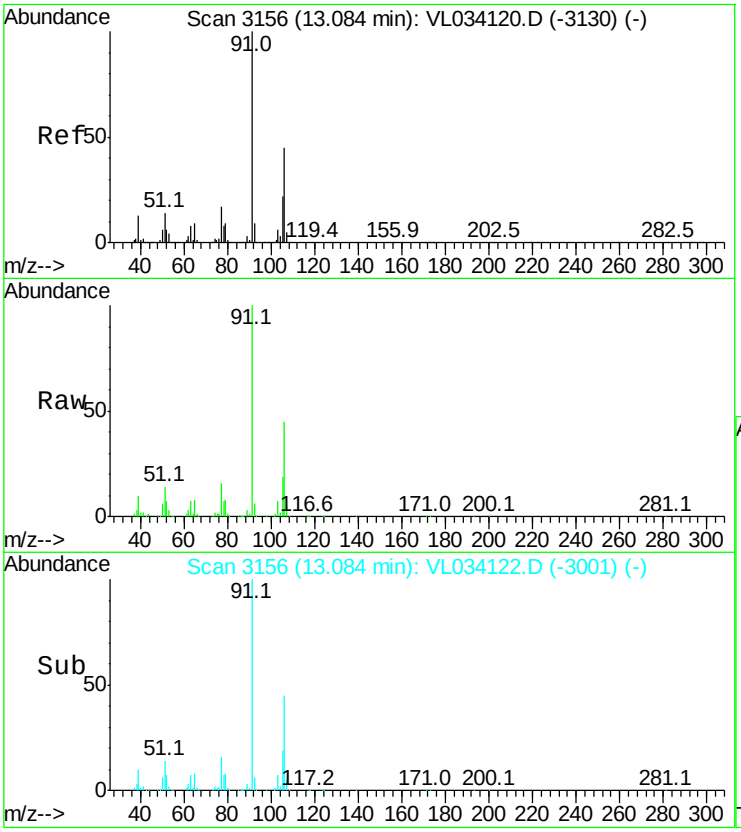


#58
Ethyl Benzene
Concen: 1.148 ppbv
RT: 12.80 min Scan# 3067
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 91 Resp: 427915

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.3	37.9



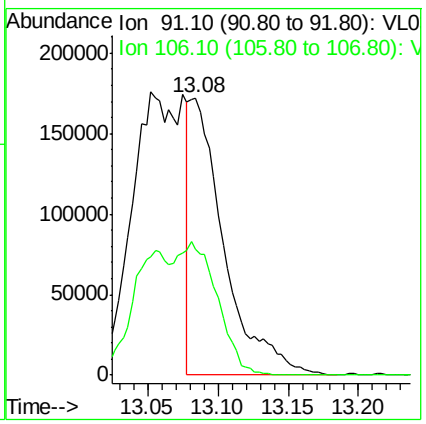


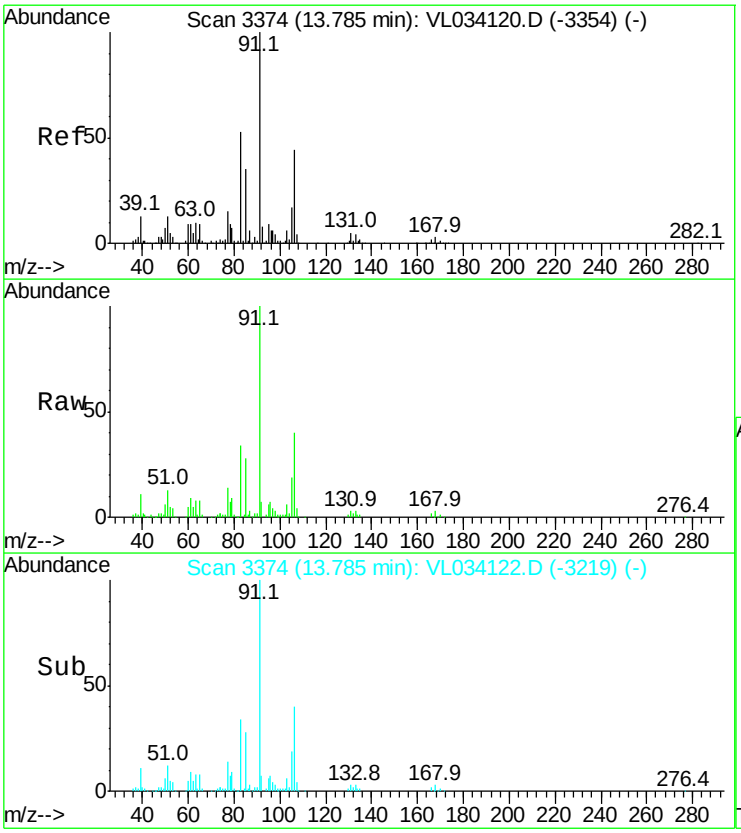
#59
m/p-Xylene
Concen: 0.951 ppbv
RT: 13.08 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 288953

Ion	Ratio	Lower	Upper
91	100		
106	107.8	35.4	53.2#

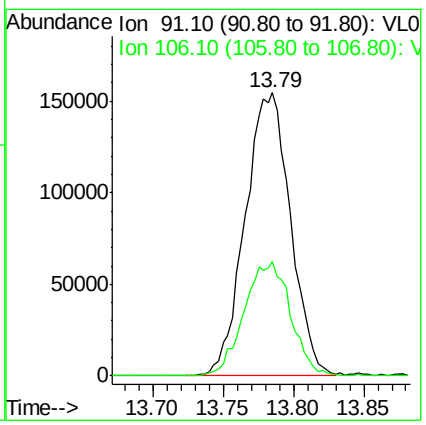


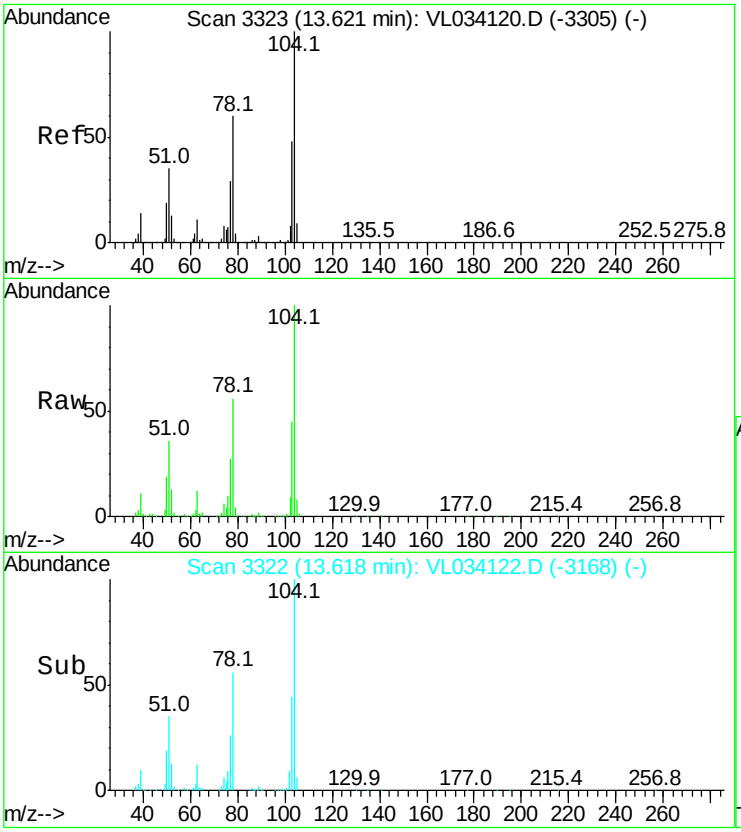


#60
o-Xylene
Concen: 1.146 ppbv
RT: 13.79 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 91 Resp: 347396

Ion	Ratio	Lower	Upper
91	100		
106	41.2	21.4	64.3



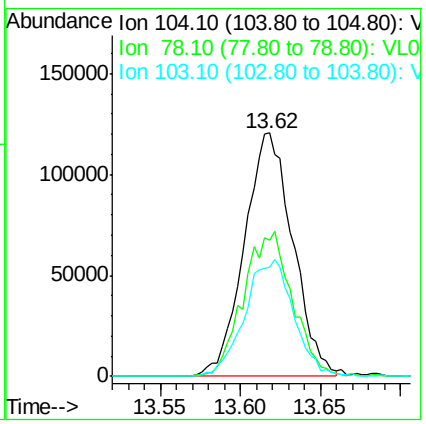


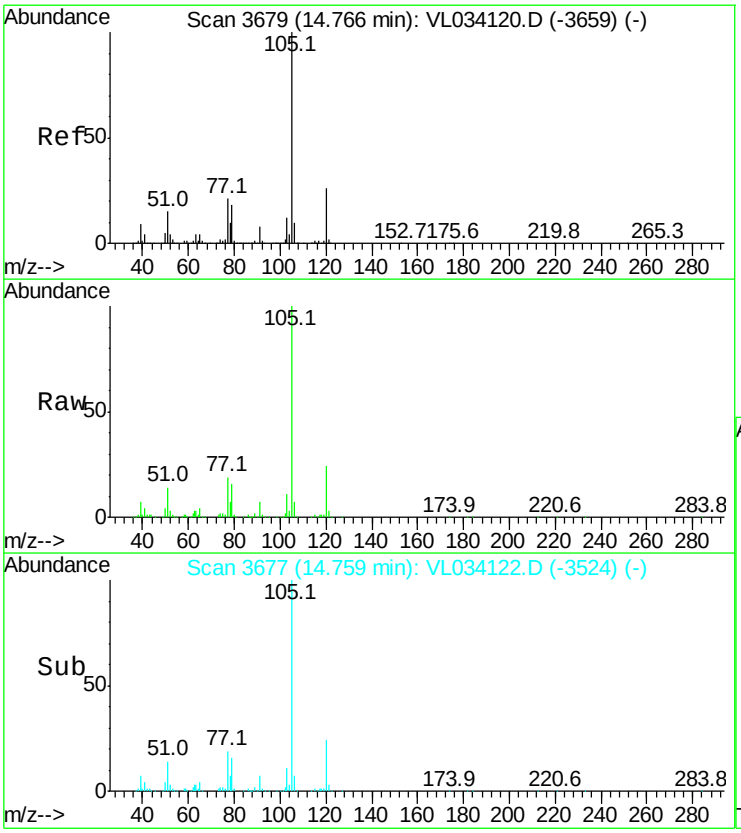
#61
Styrene
Concen: 1.108 ppbv
RT: 13.62 min Scan# 3322
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 251103

Ion	Ratio	Lower	Upper
104	100		
78	60.0	47.8	71.6
103	48.4	38.7	58.1

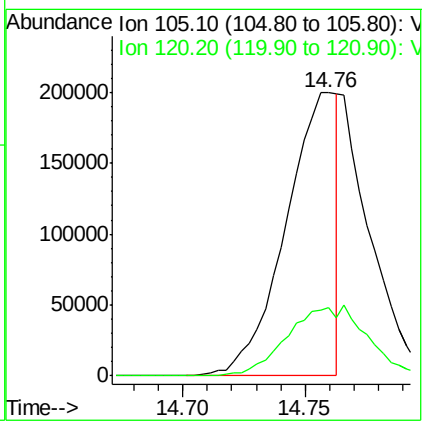


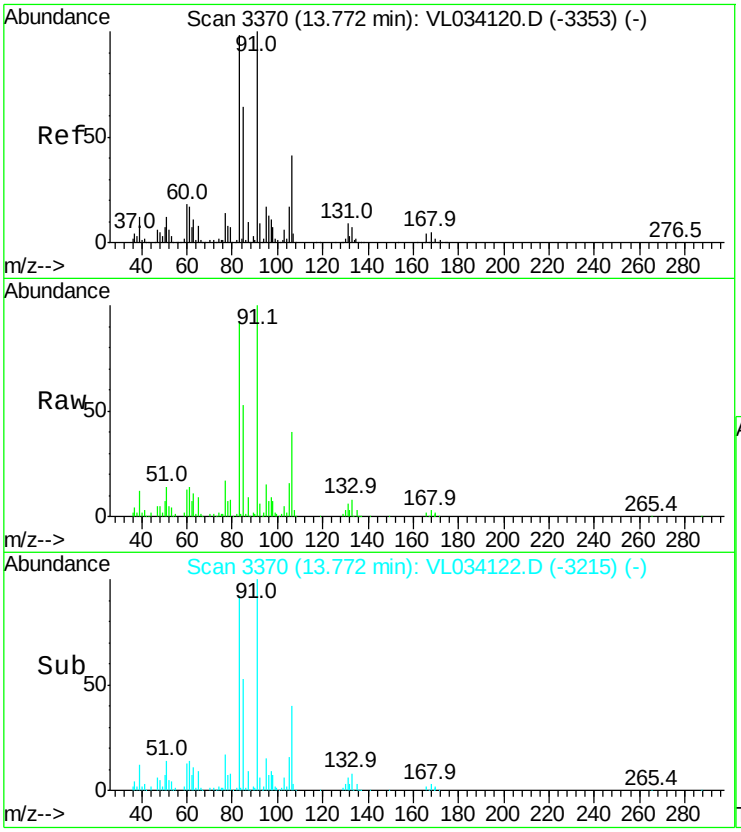


#62
Isopropylbenzene
Concen: 0.739 ppbv
RT: 14.76 min Scan# 3677
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:105 Resp: 291505

Ion	Ratio	Lower	Upper
105	100		
120	38.5	20.6	31.0#



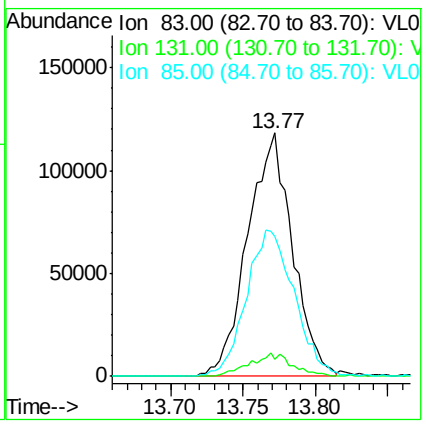


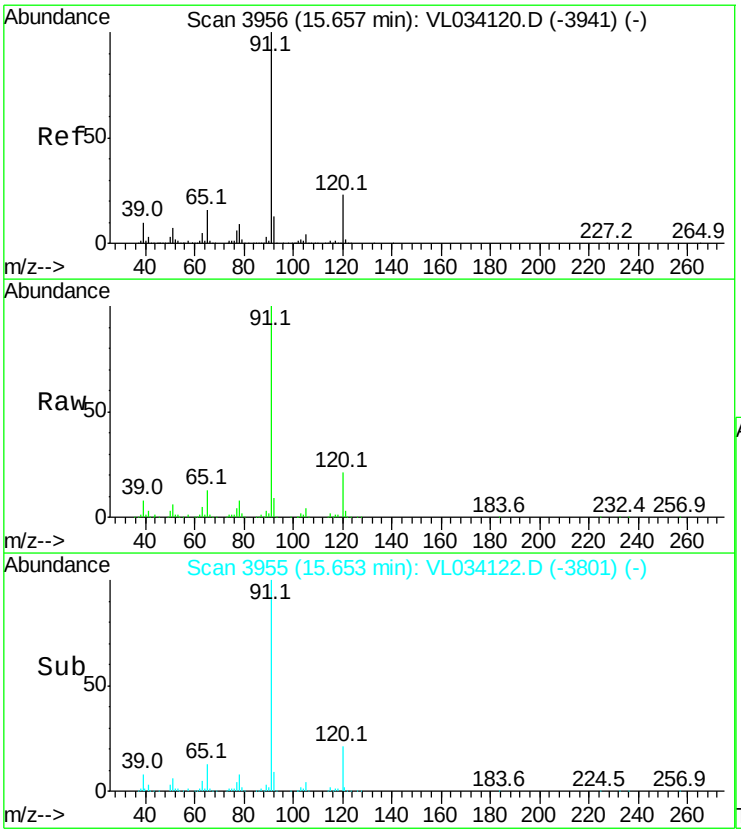
#63
1,1,2,2-Tetrachloroethane
Concen: 1.027 ppbv
RT: 13.77 min Scan# 3370
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 254843

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.3	12.8
85	64.6	32.5	97.5

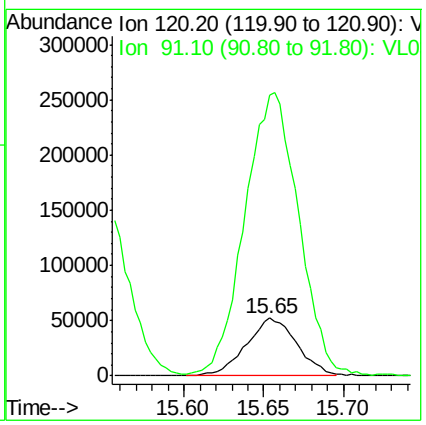


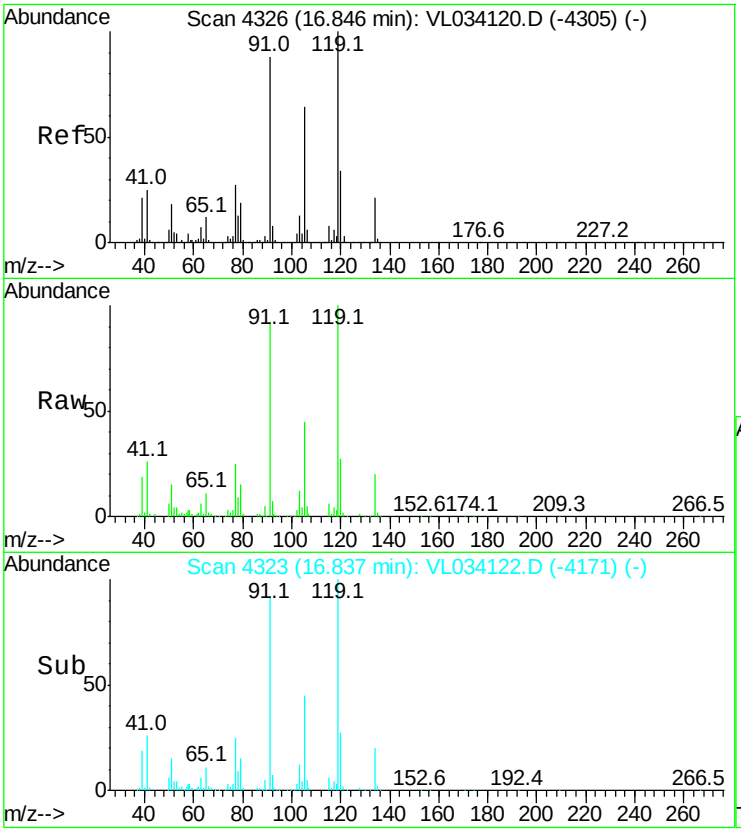


#64
n-propylbenzene
Concen: 1.131 ppbv
RT: 15.65 min Scan# 3955
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:120 Resp: 113356

Ion	Ratio	Lower	Upper
120	100		
91	527.3	376.8	565.2



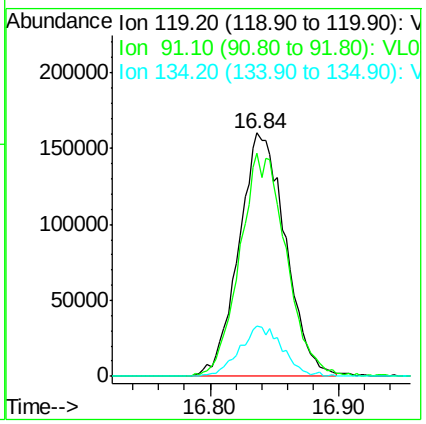


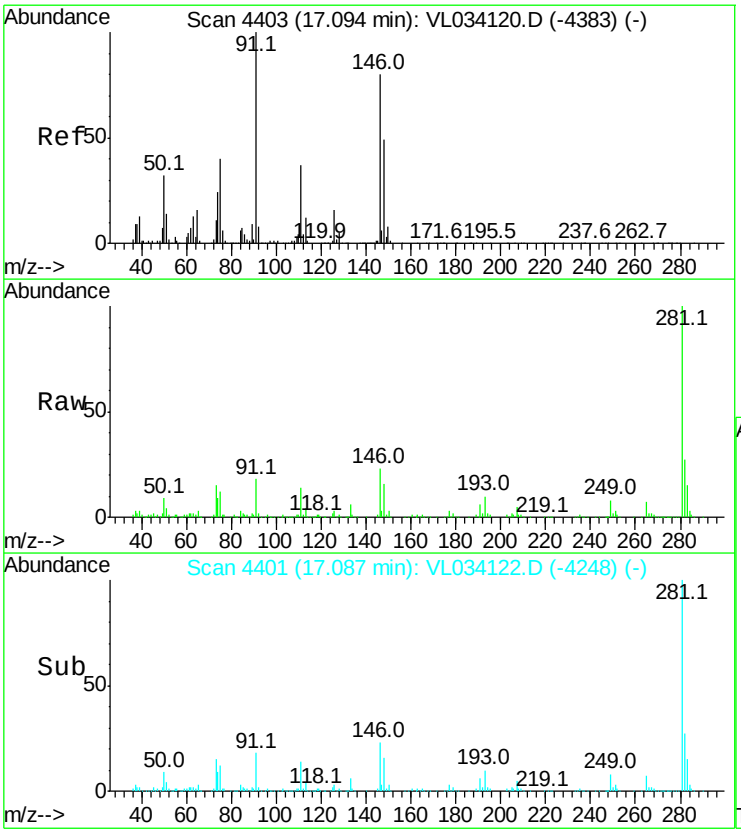
#65
tert-Butylbenzene
Concen: 1.184 ppbv
RT: 16.84 min Scan# 4323
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 402251

Ion	Ratio	Lower	Upper
119	100		
91	91.7	72.8	109.2
134	19.1	15.8	23.8

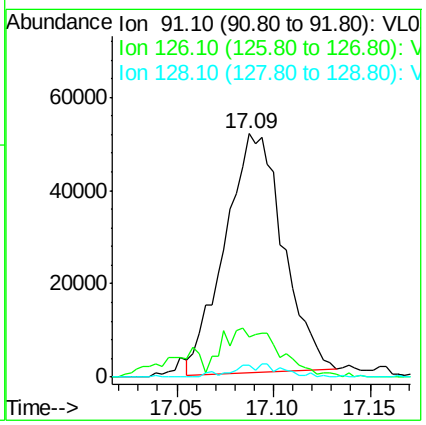


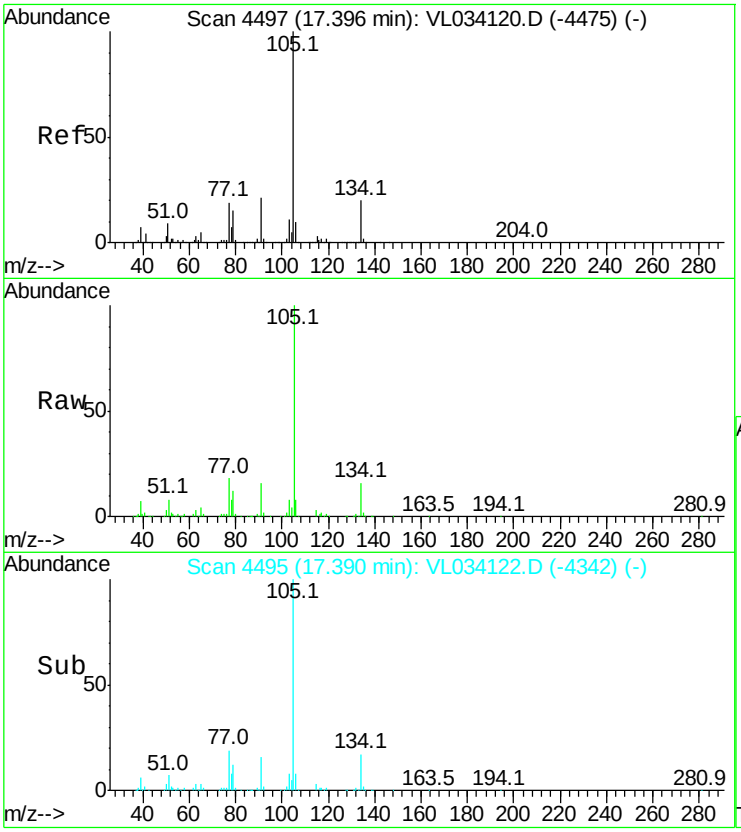


#66
Benzyl Chloride
Concen: 0.862 ppbv
RT: 17.09 min Scan# 4401
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 91 Resp: 107890

Ion	Ratio	Lower	Upper
91	100		
126	28.0	13.7	20.5#
128	4.8	4.2	6.4



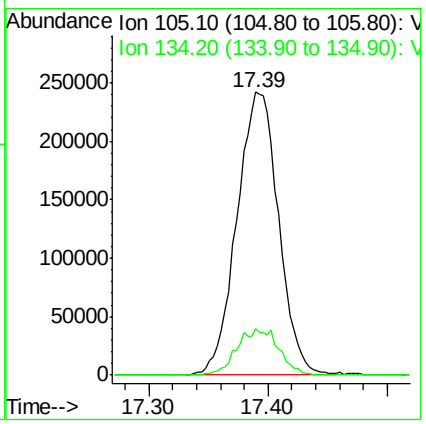


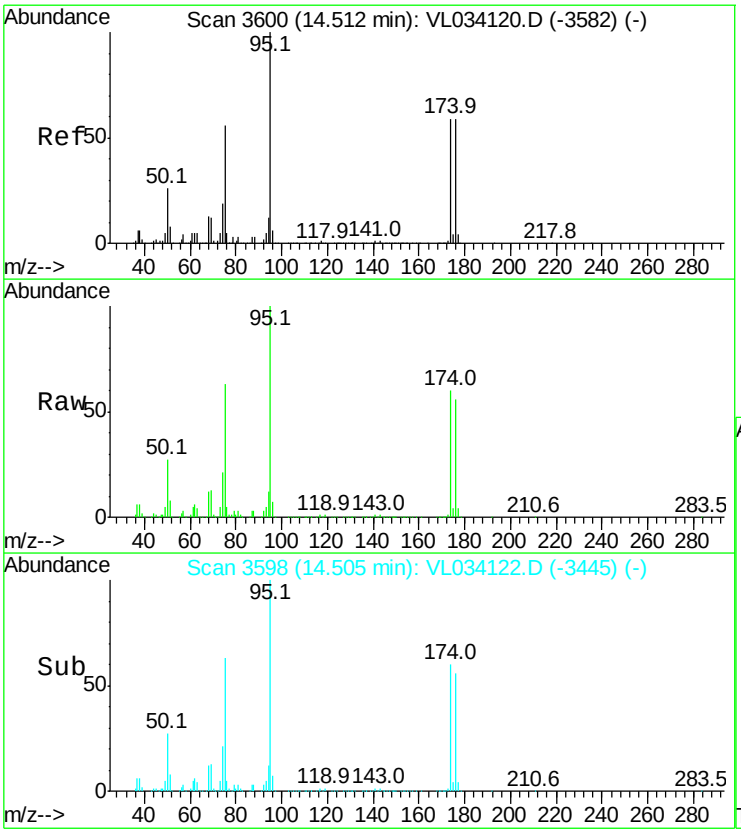
#67
sec-Butylbenzene
Concen: 1.194 ppbv
RT: 17.39 min Scan# 4495
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 584166

Ion	Ratio	Lower	Upper
105	100		
134	16.7	15.0	22.4

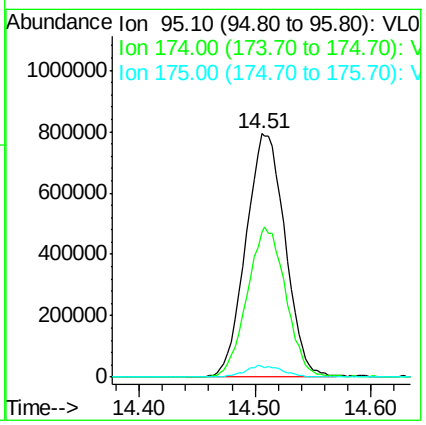


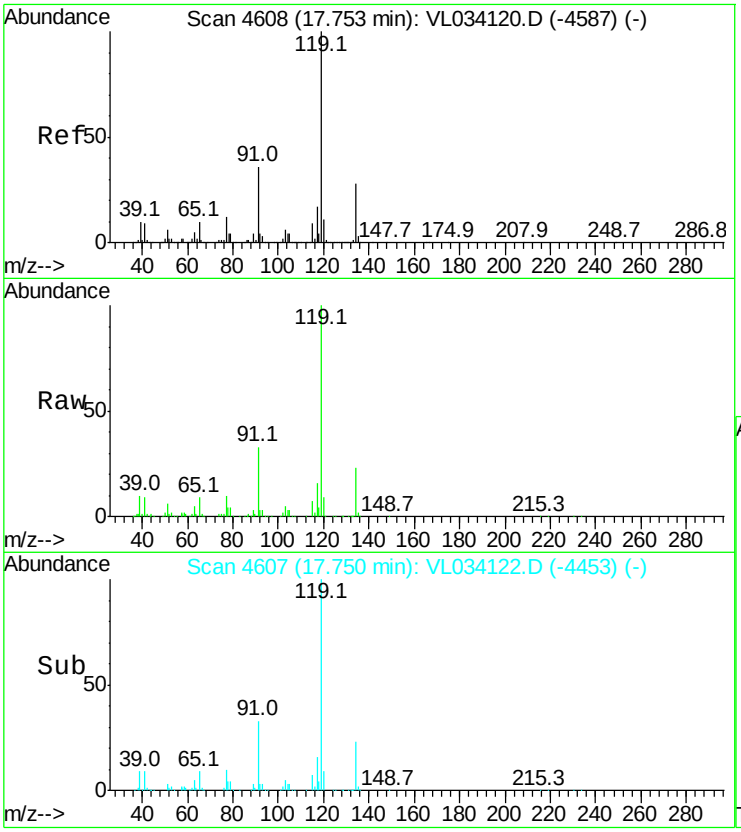


#68
1-Bromo-4-Fluorobenzene
Concen: 10.031 ppbv
RT: 14.51 min Scan# 3598
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 95 Resp: 1866317

Ion	Ratio	Lower	Upper
95	100		
174	60.8	48.1	72.1
175	4.5	3.5	5.3



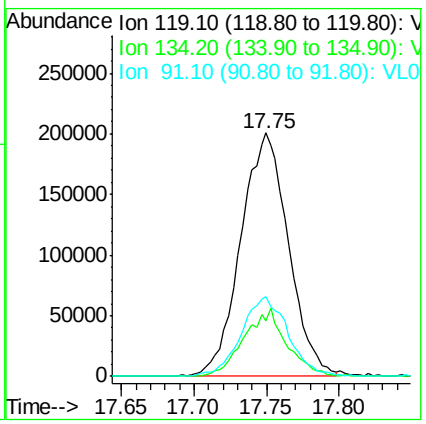


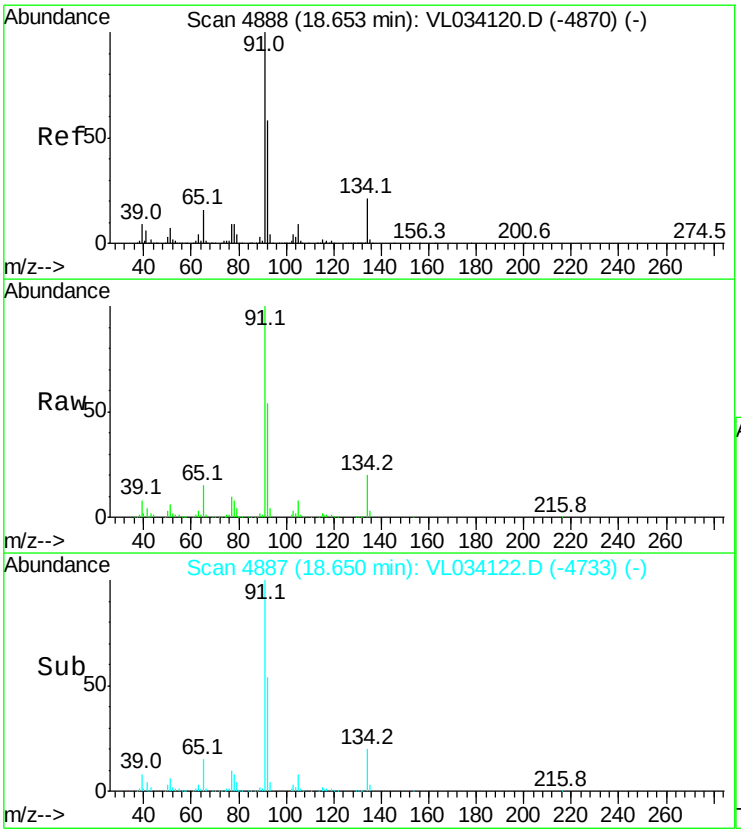
#69
p-Isopropyltoluene
Concen: 1.170 ppbv
RT: 17.75 min Scan# 4607
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 457236

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.8	31.2
91	32.7	27.2	40.8

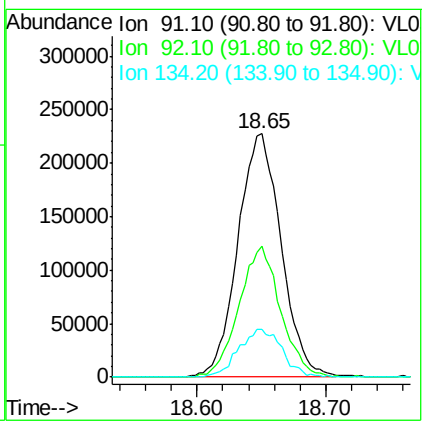


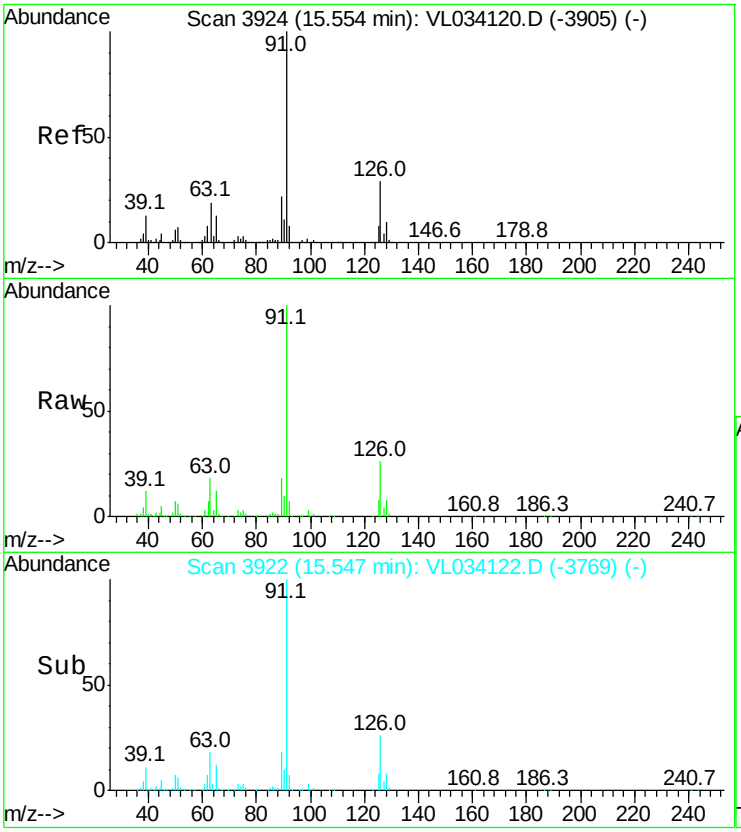


#70
n-Butylbenzene
Concen: 1.185 ppbv
RT: 18.65 min Scan# 4887
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion: 91 Resp: 528318

Ion	Ratio	Lower	Upper
91	100		
92	52.2	45.3	67.9
134	20.0	17.4	26.0



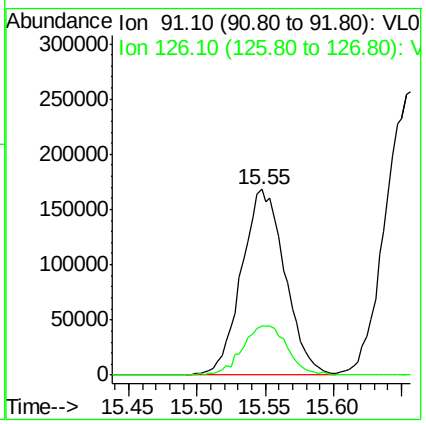


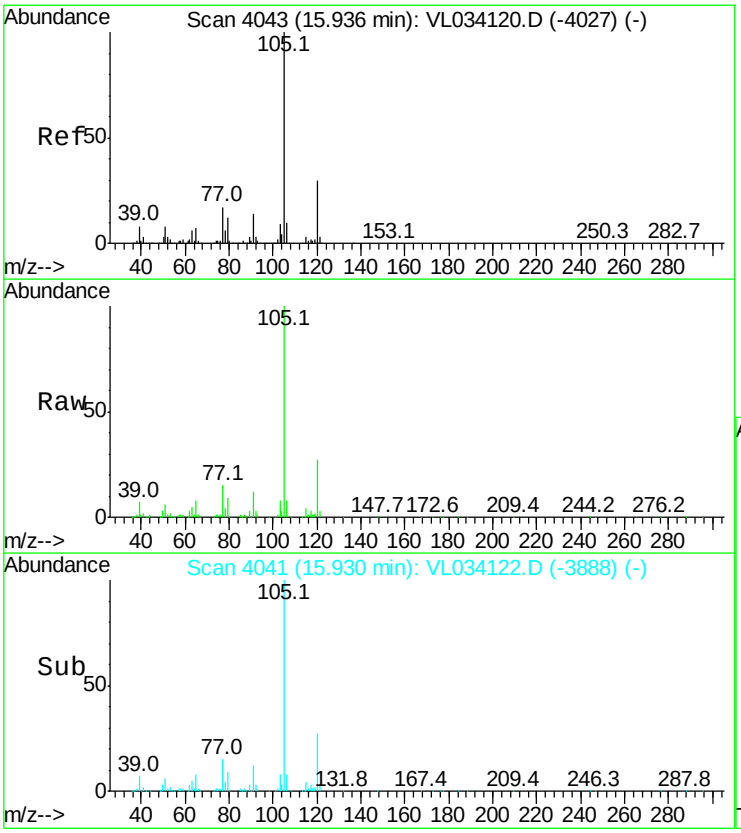
#71
2-Chlorotoluene
Concen: 1.157 ppbv
RT: 15.55 min Scan# 3922
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 372965

Ion	Ratio	Lower	Upper
91	100		
126	27.3	11.4	45.4

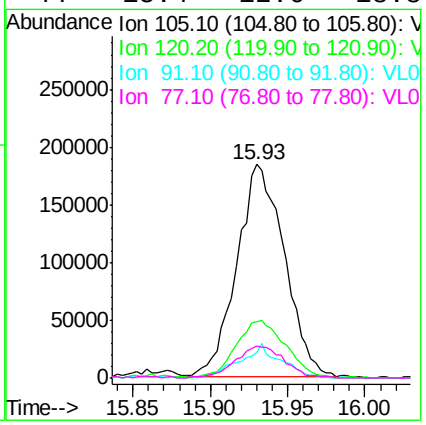


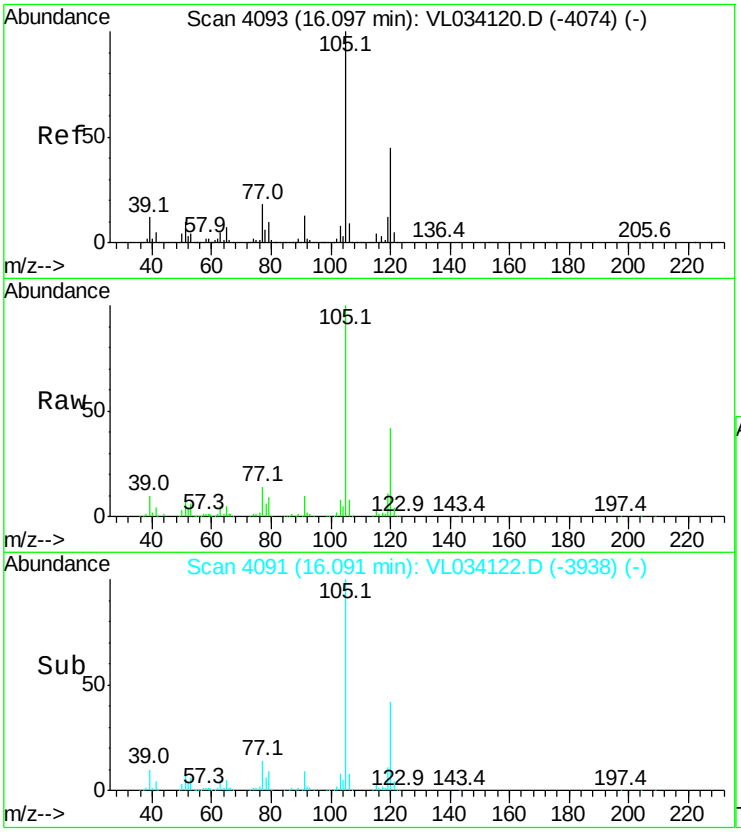


#72
4-Ethyltoluene
Concen: 1.145 ppbv
RT: 15.93 min Scan# 4041
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:105 Resp: 391853

Ion	Ratio	Lower	Upper
105	100		
120	27.9	23.8	35.6
91	13.8	11.4	17.0
77	15.4	12.6	18.8



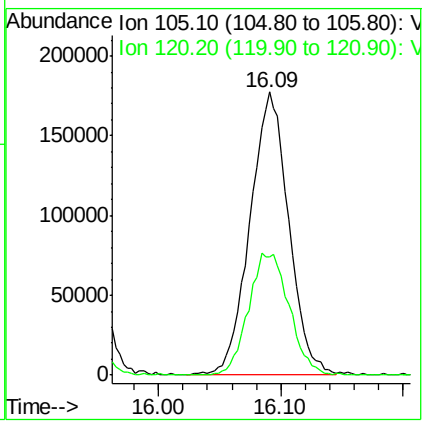


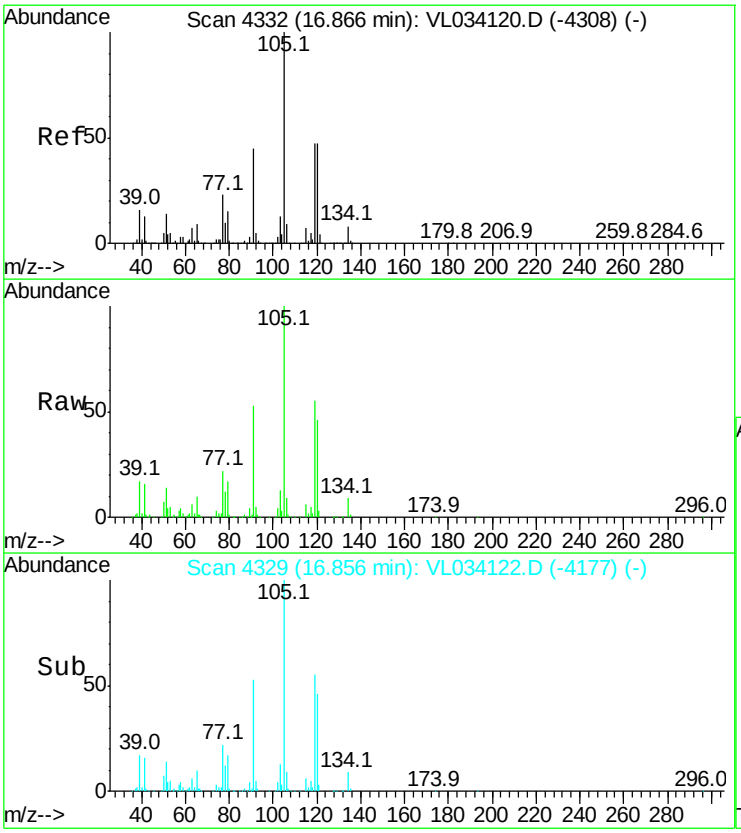
#73
1,3,5-Trimethylbenzene
Concen: 1.166 ppbv
RT: 16.09 min Scan# 4091
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:105 Resp: 387719

Ion	Ratio	Lower	Upper
105	100		
120	41.9	35.8	53.8

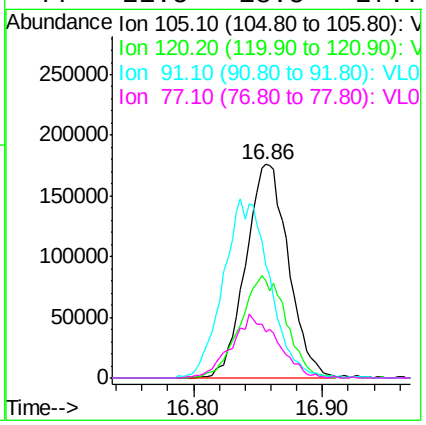


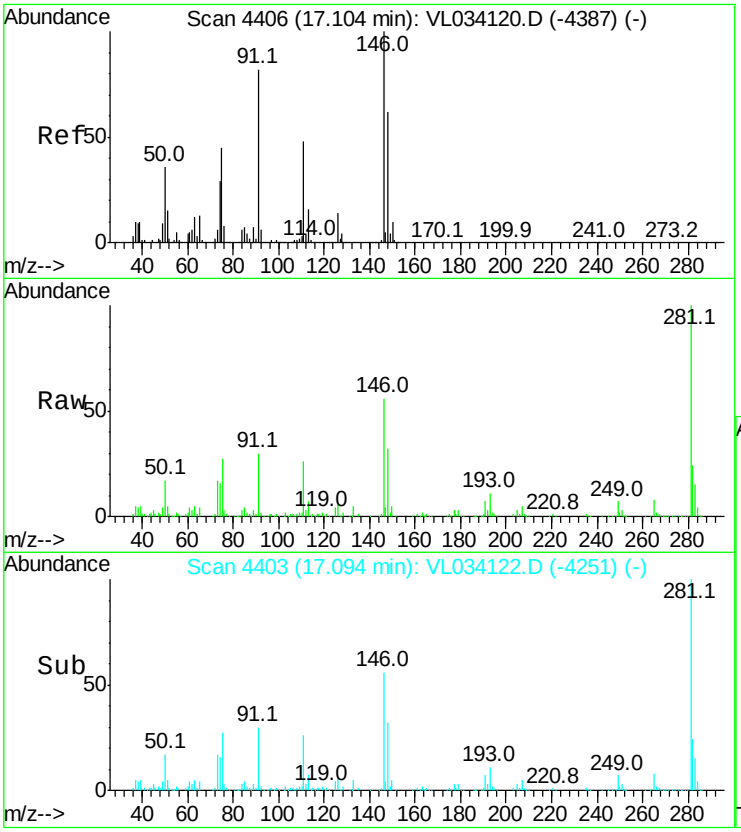


#74
1,2,4-Trimethylbenzene
Concen: 1.180 ppbv
RT: 16.86 min Scan# 4329
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:105 Resp: 404037

Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.7	56.5
91	52.5	36.2	54.2
77	21.5	18.5	27.7



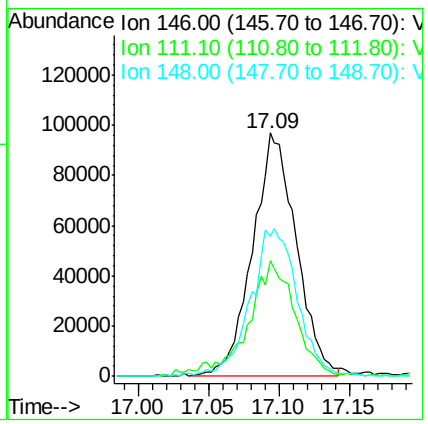


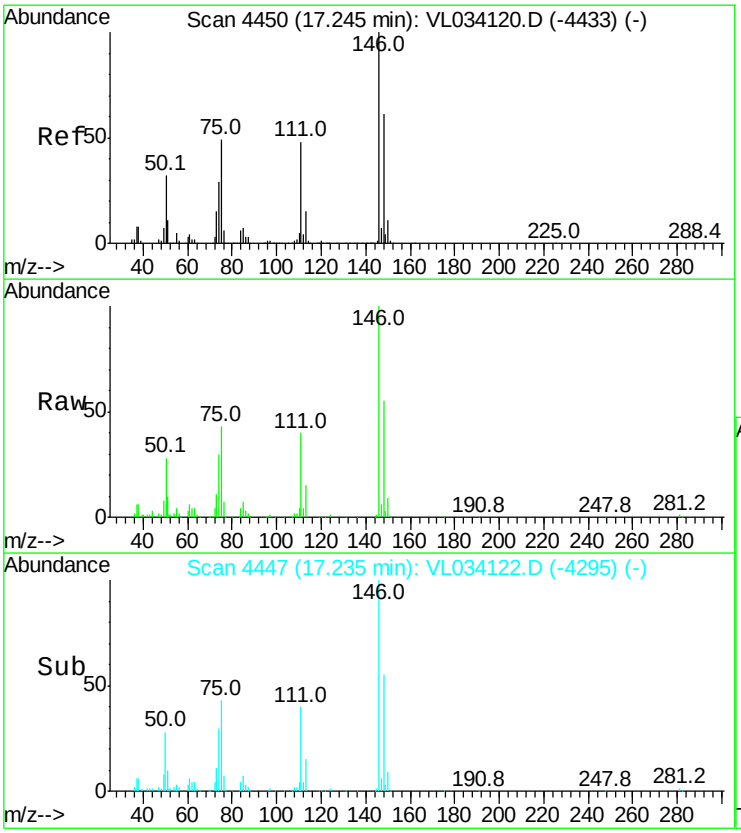
#75
1,3-Dichlorobenzene
Concen: 1.146 ppbv
RT: 17.09 min Scan# 4403
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 207838

Ion	Ratio	Lower	Upper
146	100		
111	52.3	24.9	74.7
148	65.8	32.5	97.5

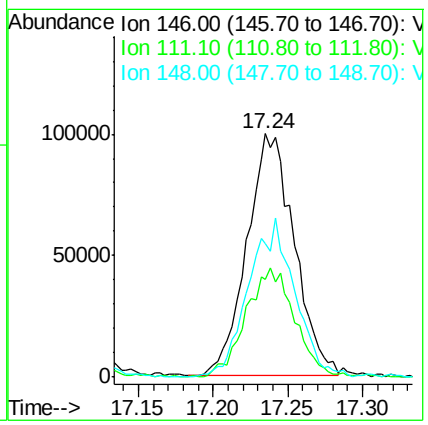


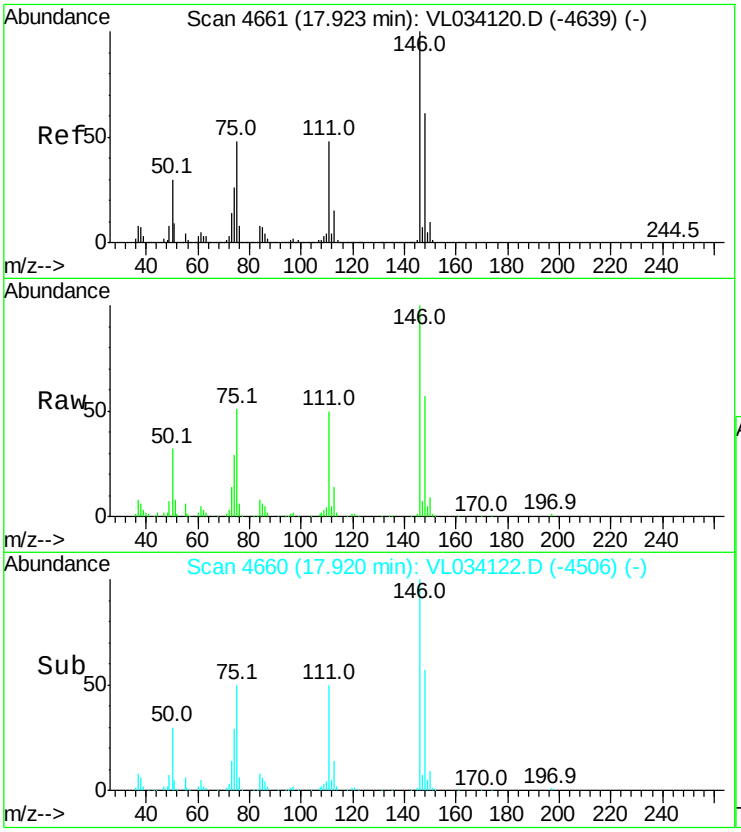


#76
1,4-Dichlorobenzene
Concen: 1.152 ppbv
RT: 17.24 min Scan# 4447
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:146 Resp: 220218

Ion	Ratio	Lower	Upper
146	100		
111	46.6	24.3	72.8
148	64.5	32.6	98.0



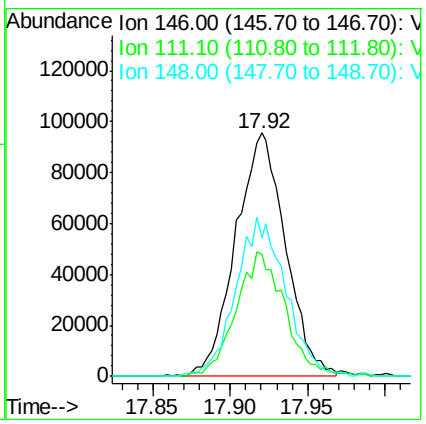


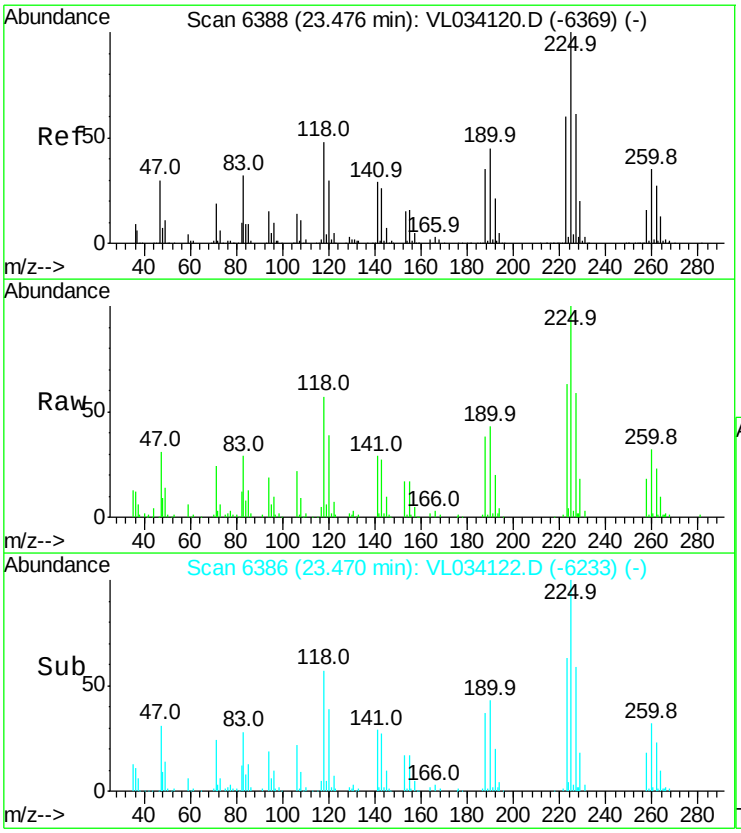
#77
1,2-Dichlorobenzene
Concen: 1.144 ppbv
RT: 17.92 min Scan# 4660
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 212010

Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.1	75.4
148	66.2	32.0	96.2

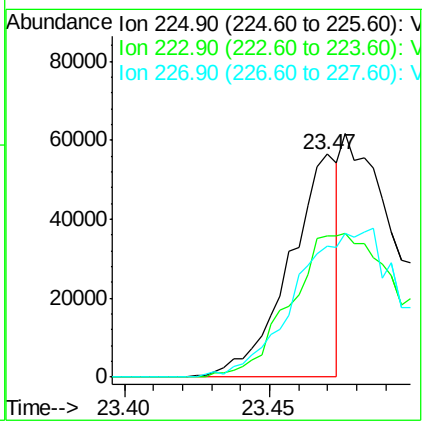


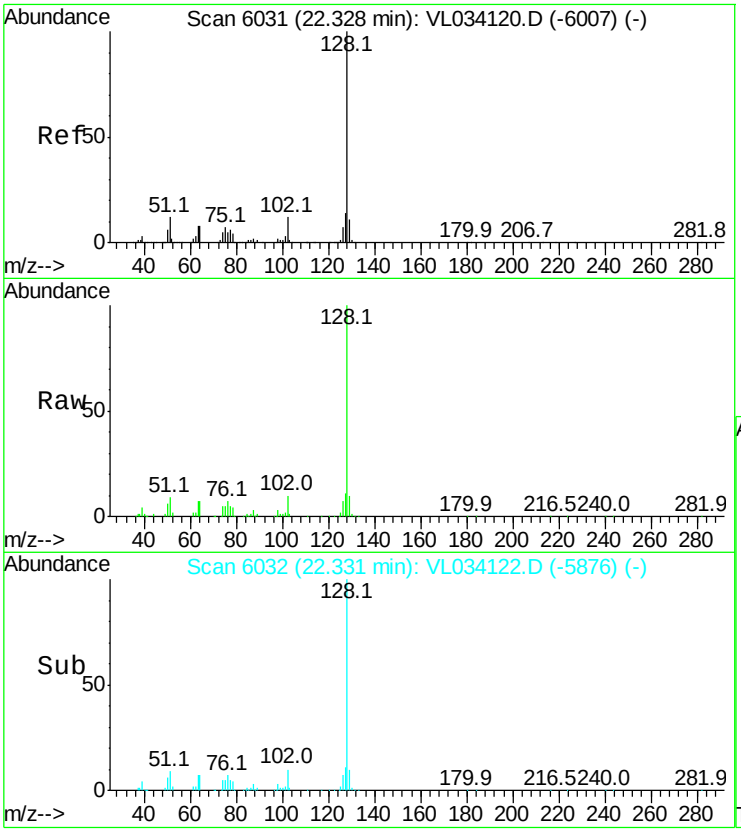


#78
Hexachloro-1,3-Butadiene
Concen: 0.520 ppbv
RT: 23.47 min Scan# 6386
Delta R.T. -0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:225 Resp: 65704

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.3	75.5#
227	0.0	50.9	76.3#



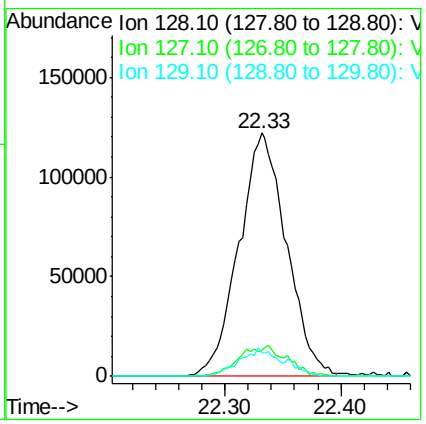


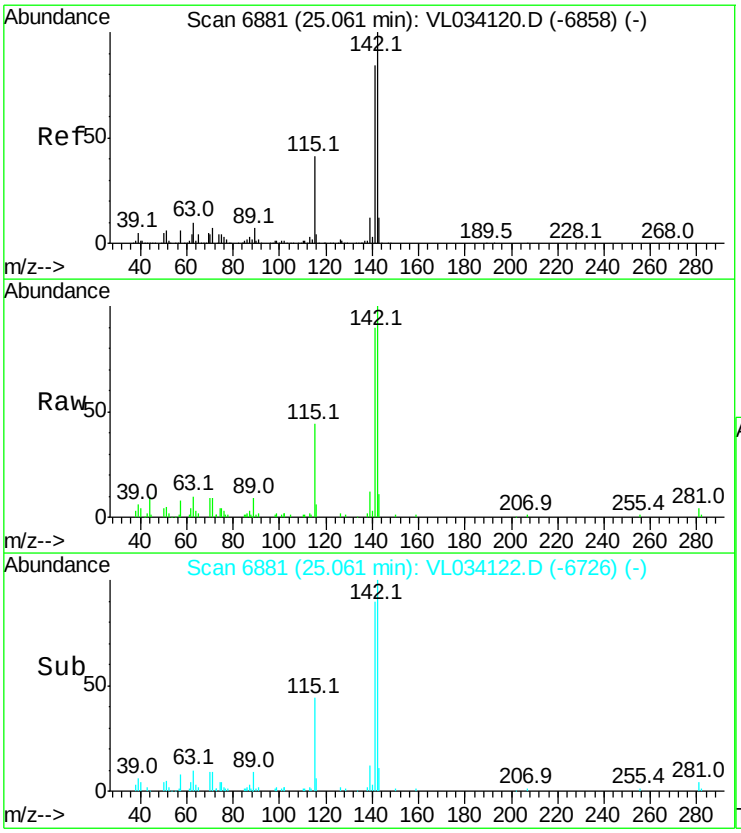
#79
Naphthalene
Concen: 1.125 ppbv
RT: 22.33 min Scan# 6032
Delta R.T. 0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 347830

Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.9	16.3#
129	9.6	8.5	12.7

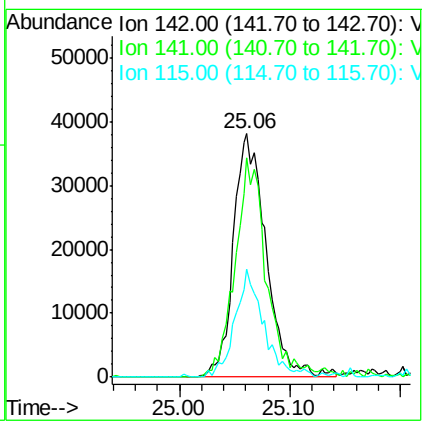


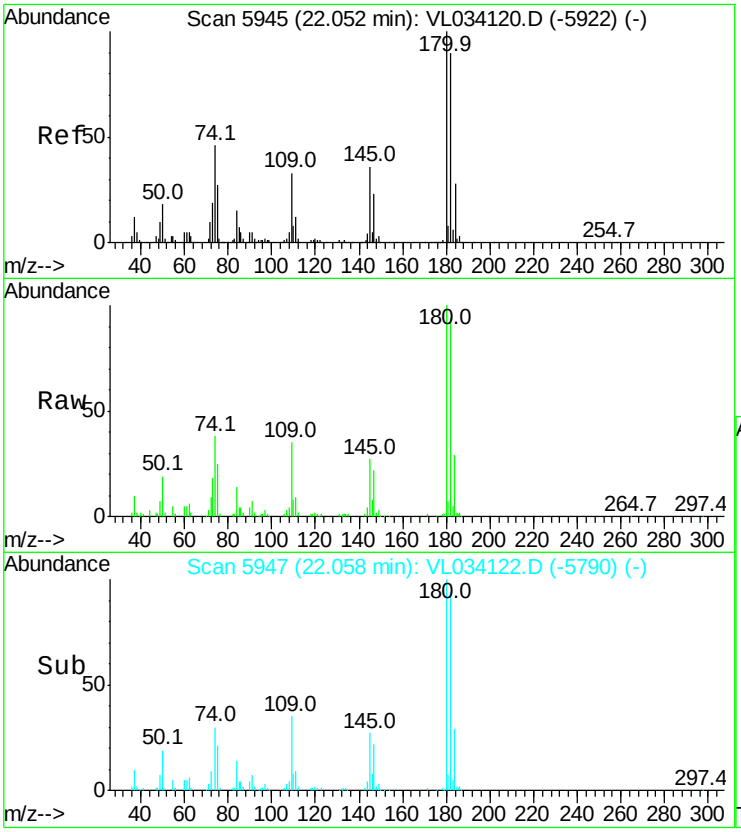


#80
Naphthalene,2-methyl-
Concen: 0.728 ppbv
RT: 25.06 min Scan# 6881
Delta R.T. -0.00 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Tgt Ion:142 Resp: 78186

Ion	Ratio	Lower	Upper
142	100		
141	87.4	67.6	101.4
115	39.4	34.6	52.0





#81
1,2,4-Trichlorobenzene
Concen: 1.136 ppbv
RT: 22.06 min Scan# 5947
Delta R.T. 0.01 min
Lab File: VL034122.D
Acq: 5 Sep 2019 3:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 191367

Ion	Ratio	Lower	Upper
180	100		
182	99.4	77.0	115.4
184	32.4	25.5	38.3