Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\

Quantitation Report (Not Reviewed)

Data File : VL034172.D
Acq On : 17 Sep 2019 5:30
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Sep 17 06:02:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 17 05:58:04 2019
QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.70	49	1316124	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	2208119	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.16	117	2267446	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.50	95	1972201	10.55	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	196258	0.940	ppbv		97
3) Chlorodifluoromethane	2.98	51	166834	1.121	ppbv		96
4) Chloromethane	3.13	50	92393	1.008	ppbv	#	86
5) Vinyl Chloride	3.25	62	86242	1.032	ppbv	#	88
6) Bromomethane	3.47	94	39634	0.972	ppbv		97
7) Chloroethane	3.56	64	30554	1.069	ppbv		91
8) Dichlorotetrafluoroethane	3.18	85	187322	1.075	ppbv		100
9) Propene	2.99	41	80927	0.995	ppbv		98
10) Heptane	8.18	43	206816	0.975	ppbv		99
11) Trichlorofluoromethane	3.95	101	188574	1.064	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	122505	1.040	ppbv		96
13) Ethanol	3.60	45	29886	1.885	ppbv		96
14) Bromoethene	3.74	108	49363	0.971	ppbv		99
15) Acetone	3.85	43	202630	1.275	ppbv		98
16) 1,3-Butadiene	3.32	39	77376	0.966	ppbv		100
17) tert-Butyl alcohol	4.31	59	67204	0.587	ppbv	#	71
18) 1,1-Dichloroethene	4.30	96	23984	0.448	ppbv		96
19) Isopropyl Alcohol	3.98	45	128654	1.210	ppbv	#	98
20) Methylene Chloride	4.36	84	52856	1.016	ppbv		93
21) Allyl Chloride	4.42	41	100257	0.962	ppbv		96
22) trans-1,2-Dichloroethene	4.90	96	52498	0.976	ppbv		82
23) Vinyl Acetate	5.10	43	271112	1.014	ppbv	#	96
24) 1,1-Dichloroethane	5.03	63	188040	1.055	ppbv		99
25) Ethyl Acetate	5.71	43	362043	1.043	ppbv		99
26) Hexane	5.72	57	145539	0.944	ppbv		90
27) Carbon Disulfide	4.57	76	123557	0.893	ppbv		99
28) Methyl tert-Butyl Ether	5.06	73	220880	0.988	ppbv		97
29) Chloroform	5.78	83	201462	0.968	ppbv		95
30) Cyclohexane	7.18	84	105297	0.955	ppbv		96
31) cis-1,2-Dichloroethene	5.58	61	140534	0.951	ppbv		95
32) 1,1,1-Trichloroethane	6.55	97	191595	0.973	ppbv		98
34) 2-Butanone	5.28	43	247791	1.148	ppbv		97
35) Carbon Tetrachloride	7.06	117	184030	1.055	ppbv		94
36) Benzene	6.94	78	260427	1.033	ppbv		96
37) 1,2-Dichloroethane	6.34	62	186524	1.168	ppbv		100
38) Trichloroethene	7.89	130	89641	0.948	ppbv		95
39) 1,2-Dichloropropane	7.67	63	60451	0.555	ppbv		99
40) 1,4-Dioxane	7.91	88	22046	0.559	ppbv	#	1
41) Tetrahydrofuran	6.10	42	135620	1.055	ppbv		96
42) Bromodichloromethane	7.85	83	105303	0.515	ppbv	#	95
43) Methyl Methacrylate	8.07	69	98897	0.949	ppbv		92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\

Quantitation Report (Not Reviewed)

Data File : VL034172.D
Acq On : 17 Sep 2019 5:30
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Sep 17 06:02:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 17 05:58:04 2019
QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	523875	1.114	ppbv		99
45) t-1,3-Dichloropropene	9.34	75	55722	0.453	ppbv		94
46) cis-1,3-Dichloropropene	8.76	75	141561	0.946	ppbv		98
47) 1,1,2-Trichloroethane	9.54	97	101372	1.027	ppbv		95
48) Dibromochloromethane	10.38	129	160386	1.075	ppbv		100
49) Bromoform	13.12	173	78557	0.606	ppbv	#	55
50) 4-Methyl-2-Pentanone	8.81	43	366207	1.114	ppbv		95
51) 2-Hexanone	10.21	43	305252	1.077	ppbv	#	95
52) Tetrachloroethene	11.30	164	79264	0.892	ppbv		93
53) Toluene	9.87	91	283418	1.015	ppbv		99
54) 1,2-Dibromoethane	10.68	107	159855	1.083	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.20	131	108850	1.107	ppbv	#	1
57) Chlorobenzene	12.23	112	217804	1.113	ppbv		96
58) Ethyl Benzene	12.79	91	408264	1.096	ppbv		94
59) m/p-Xylene	13.07	91	97959	0.322	ppbv	#	32
60) o-Xylene	13.77	91	342965	1.131	ppbv		95
61) Styrene	13.61	104	233781	1.037	ppbv		99
62) Isopropylbenzene	14.75	105	441699	1.120	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.76	83	260728	1.054	ppbv		97
64) n-propylbenzene	15.65	120	108581	1.098	ppbv		74
65) tert-Butylbenzene	16.83	119	403200	1.182	ppbv		99
66) Benzyl Chloride	17.08	91	104896	0.850	ppbv		98
67) sec-Butylbenzene	17.38	105	572332	1.165	ppbv		97
69) p-Isopropyltoluene	17.74	119	456952	1.162	ppbv		98
70) n-Butylbenzene	18.64	91	540360	1.202	ppbv		95
71) 2-Chlorotoluene	15.54	91	203346	0.631	ppbv	#	47
72) 4-Ethyltoluene	15.92	105	373522	1.091	ppbv		99
73) 1,3,5-Trimethylbenzene	16.08	105	371692	1.117	ppbv		95
74) 1,2,4-Trimethylbenzene	16.84	105	265557	0.772	ppbv	#	90
75) 1,3-Dichlorobenzene	17.09	146	119503	0.656	ppbv	#	40
76) 1,4-Dichlorobenzene	17.23	146	222630	1.168	ppbv		97
77) 1,2-Dichlorobenzene	17.91	146	214503	1.151	ppbv		97
78) Hexachloro-1,3-Butadiene	23.46	225	62077	0.494	ppbv	#	18
79) Naphthalene	22.32	128	191700	0.623	ppbv	#	94
80) Naphthalene,2-methyl-	25.06	142	169283	1.625	ppbv		99
81) 1,2,4-Trichlorobenzene	22.04	180	194134	1.155	ppbv		99

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

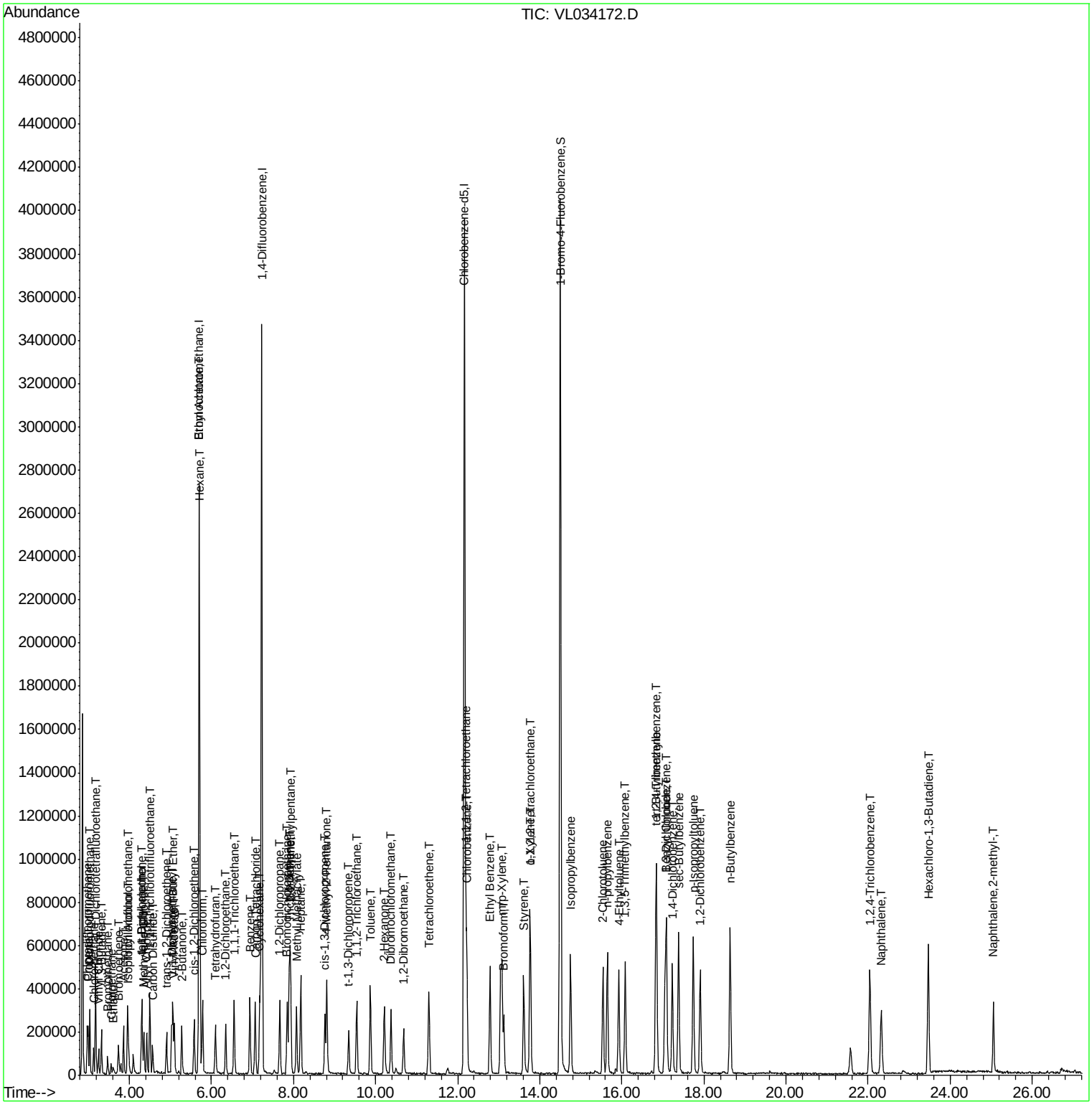
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091719\

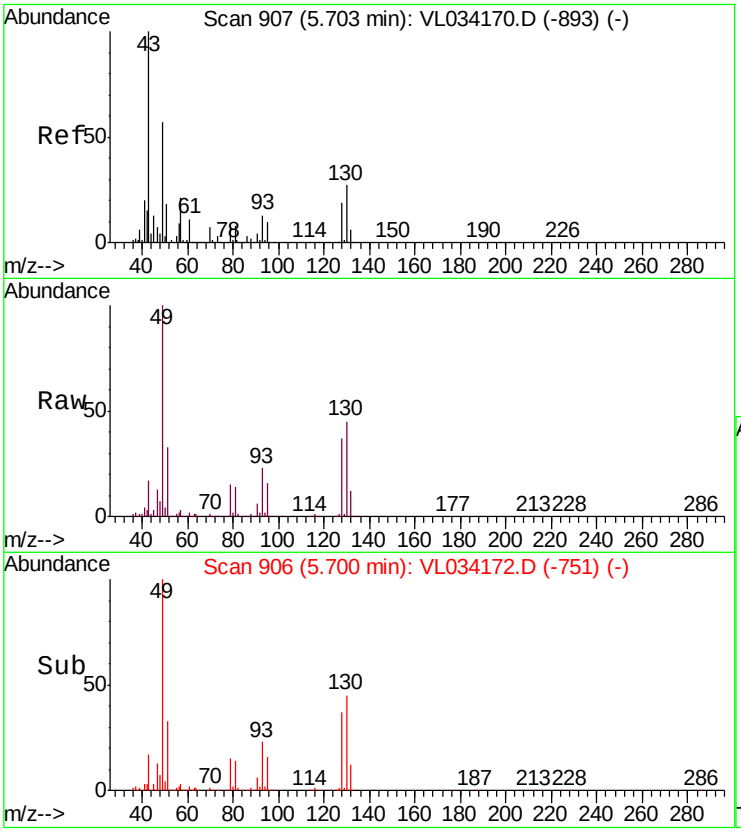
Quantitation Report (Not Reviewed)

Data File : VL034172.D
Acq On : 17 Sep 2019 5:30
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Sep 17 06:02:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 17 05:58:04 2019
QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration



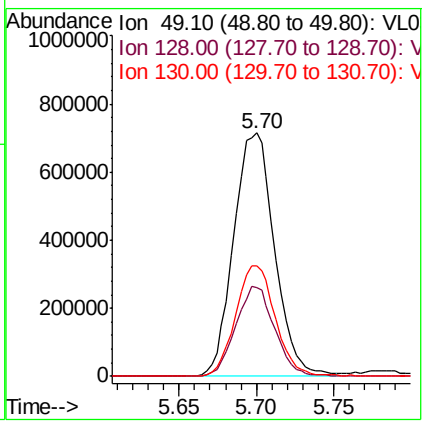


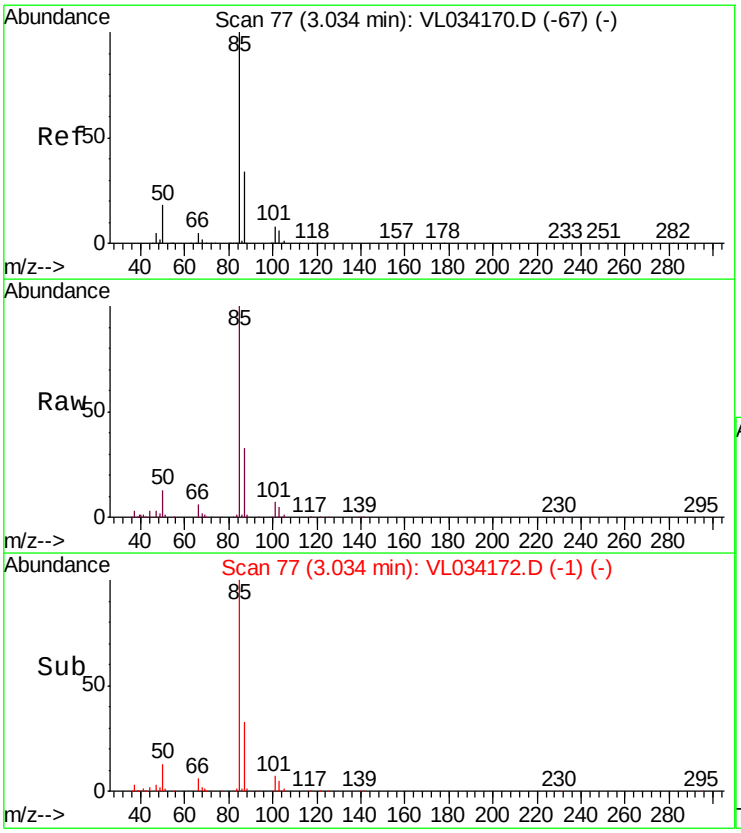
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1316124

Ion	Ratio	Lower	Upper
49	100		
128	35.4	17.6	52.9
130	44.9	22.3	66.9

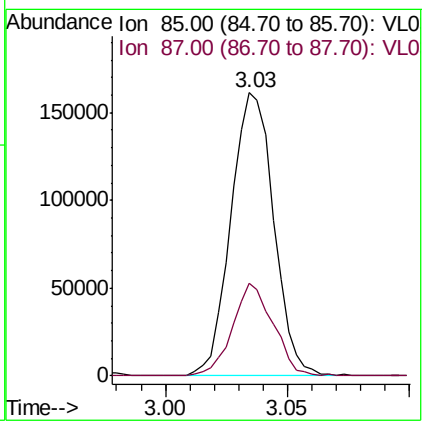


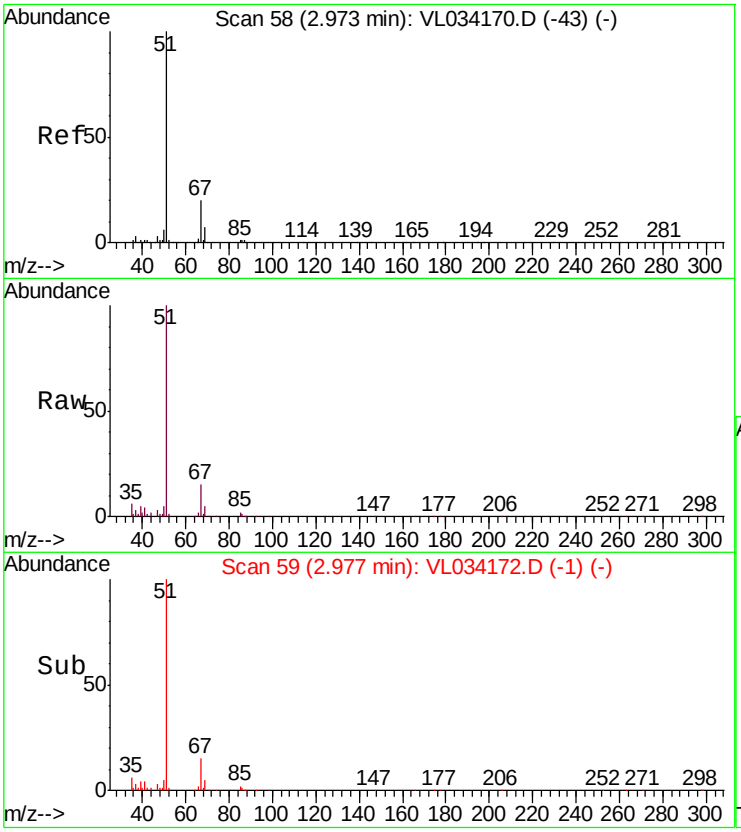


#2
Dichlorodifluoromethane
Concen: 0.940 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 85 Resp: 196258

Ion	Ratio	Lower	Upper
85	100		
87	32.5	27.2	40.8



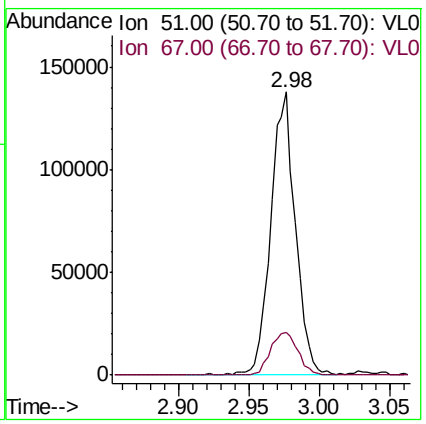


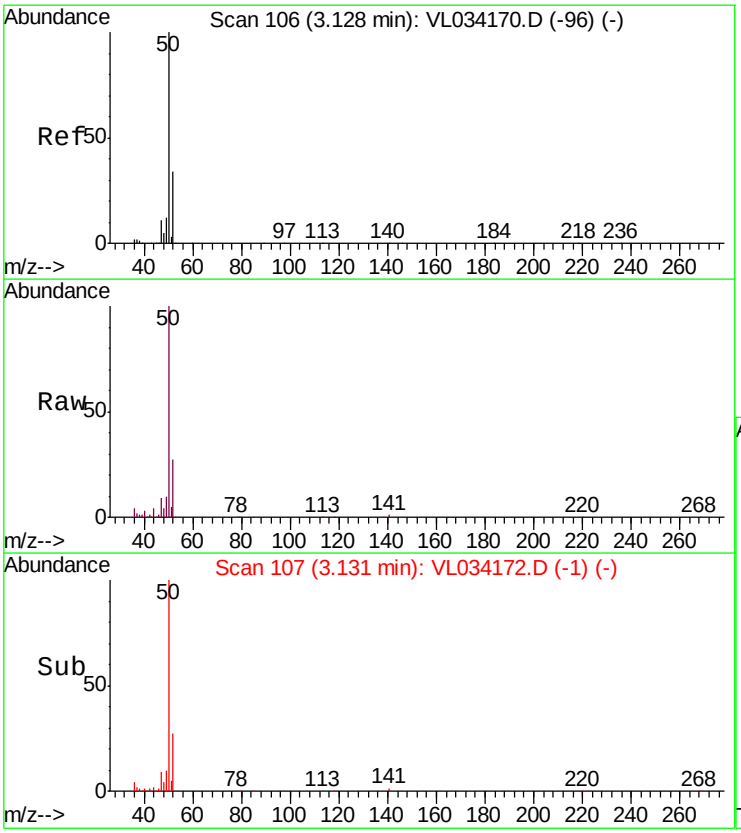
#3
Chlorodifluoromethane
Concen: 1.121 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 166834

Ion	Ratio	Lower	Upper
51	100		
67	16.7	14.8	22.2

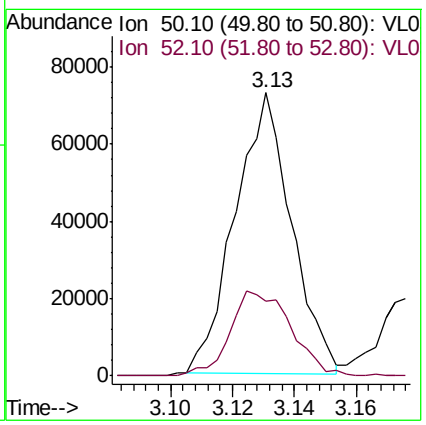


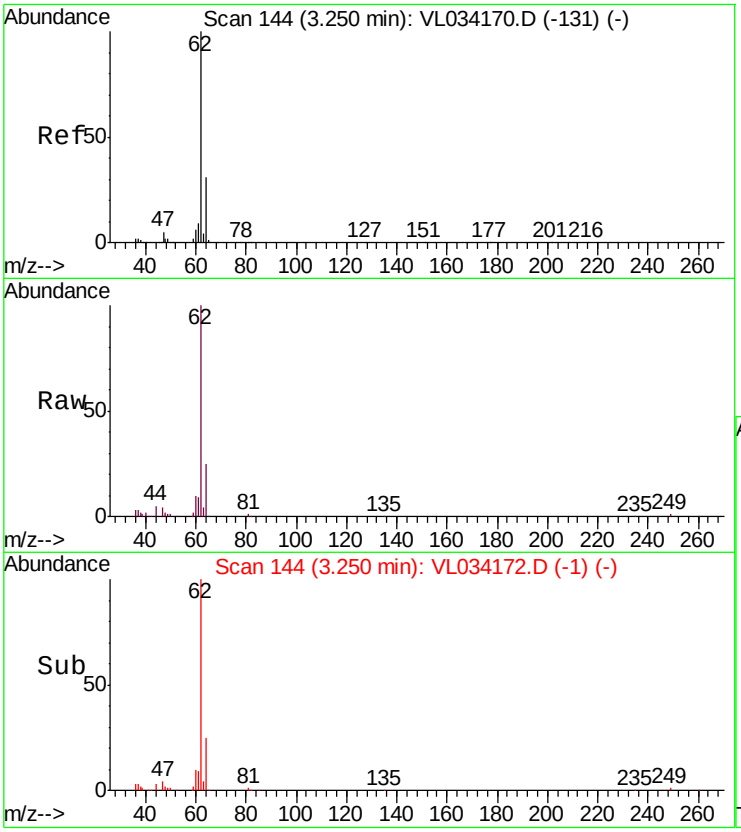


#4
Chloromethane
Concen: 1.008 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 50 Resp: 92393

Ion	Ratio	Lower	Upper
50	100		
52	25.9	27.1	40.7#



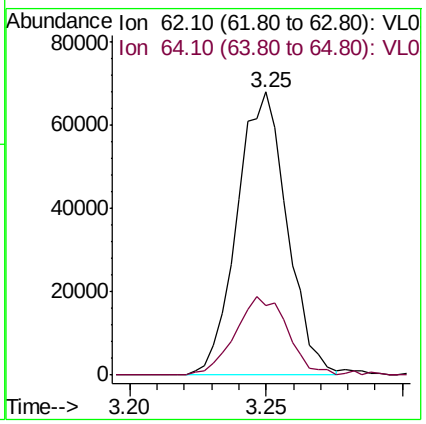


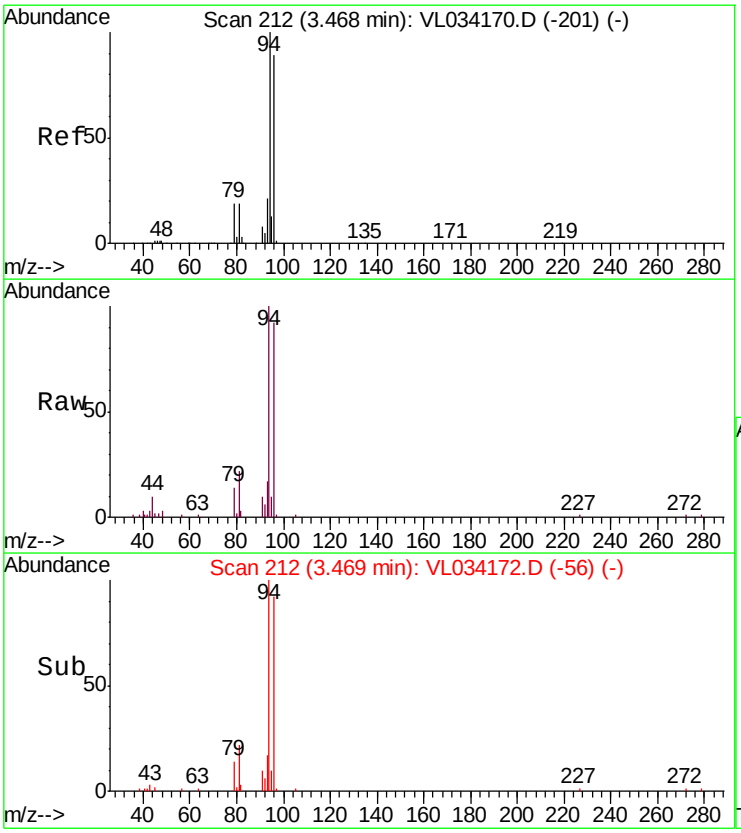
#5
Vinyl Chloride
Concen: 1.032 ppbv
RT: 3.25 min Scan# 144
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 86242

Ion	Ratio	Lower	Upper
62	100		
64	24.7	25.2	37.8#

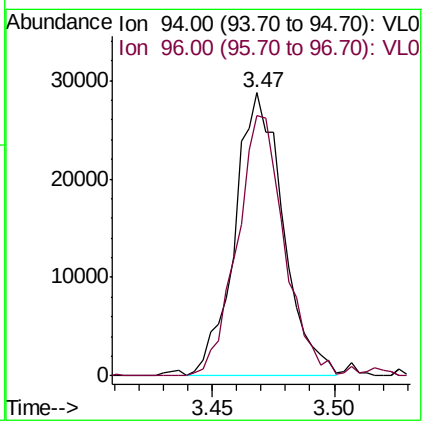


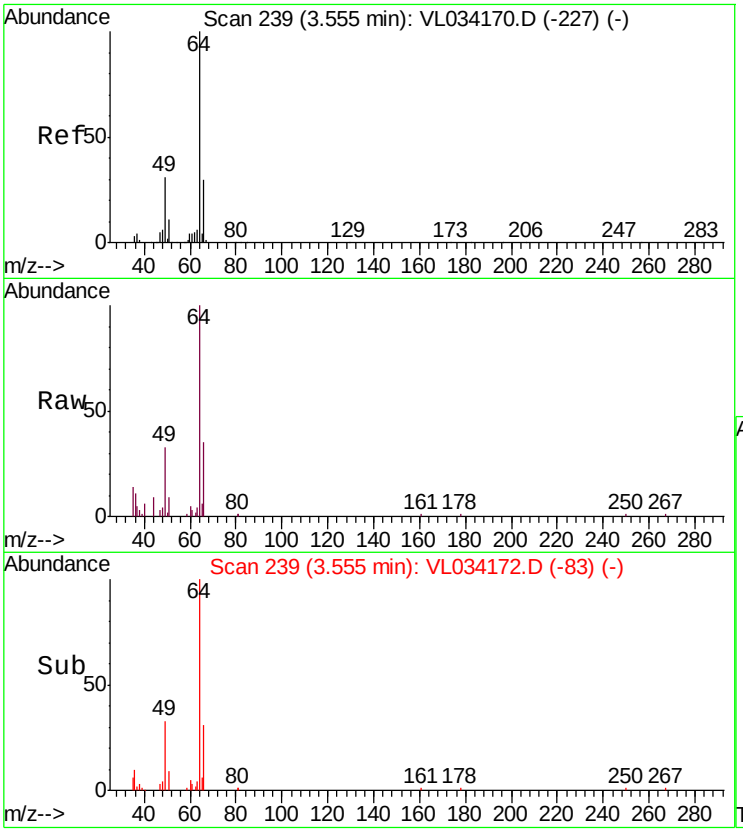


#6
Bromomethane
Concen: 0.972 ppbv
RT: 3.47 min Scan# 212
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 94 Resp: 39634

Ion	Ratio	Lower	Upper
94	100		
96	92.0	71.3	106.9



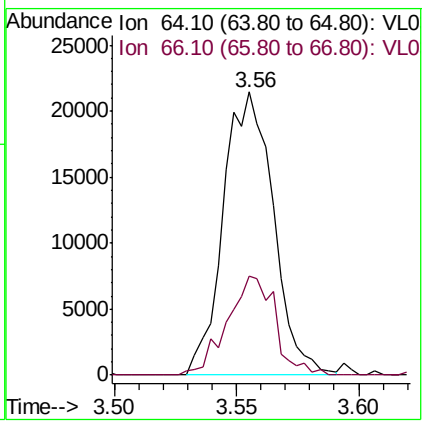


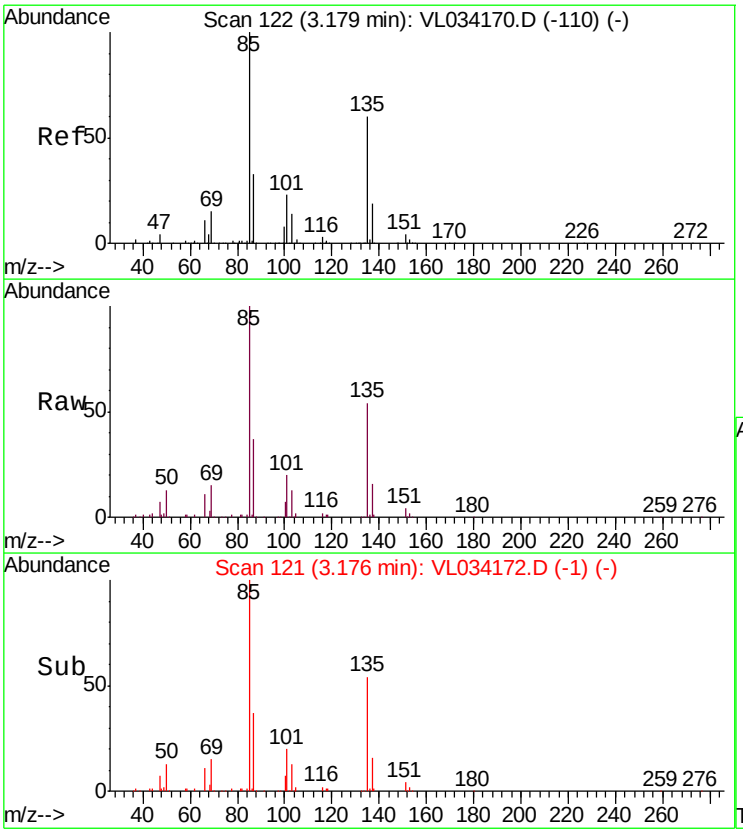
#7
Chloroethane
Concen: 1.069 ppbv
RT: 3.56 min Scan# 239
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 30554

Ion	Ratio	Lower	Upper
64	100		
66	35.2	24.2	36.4

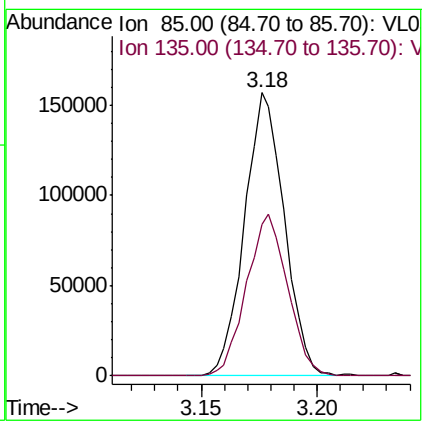


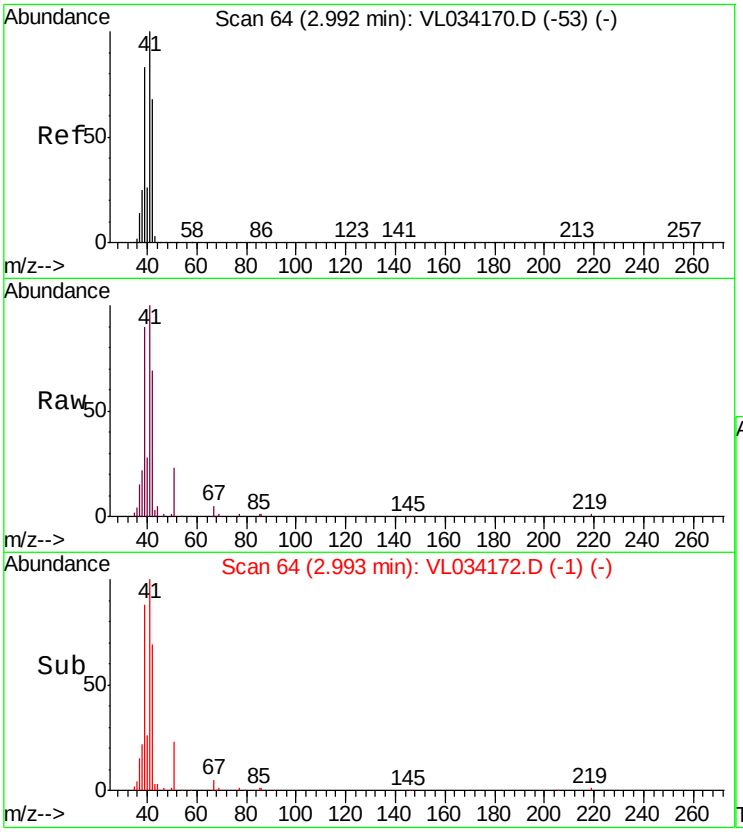


#8
Dichlorotetrafluoroethane
Concen: 1.075 ppbv
RT: 3.18 min Scan# 121
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 85 Resp: 187322

Ion	Ratio	Lower	Upper
85	100		
135	59.3	47.3	70.9



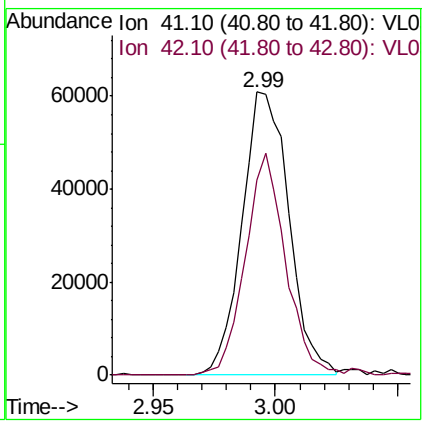


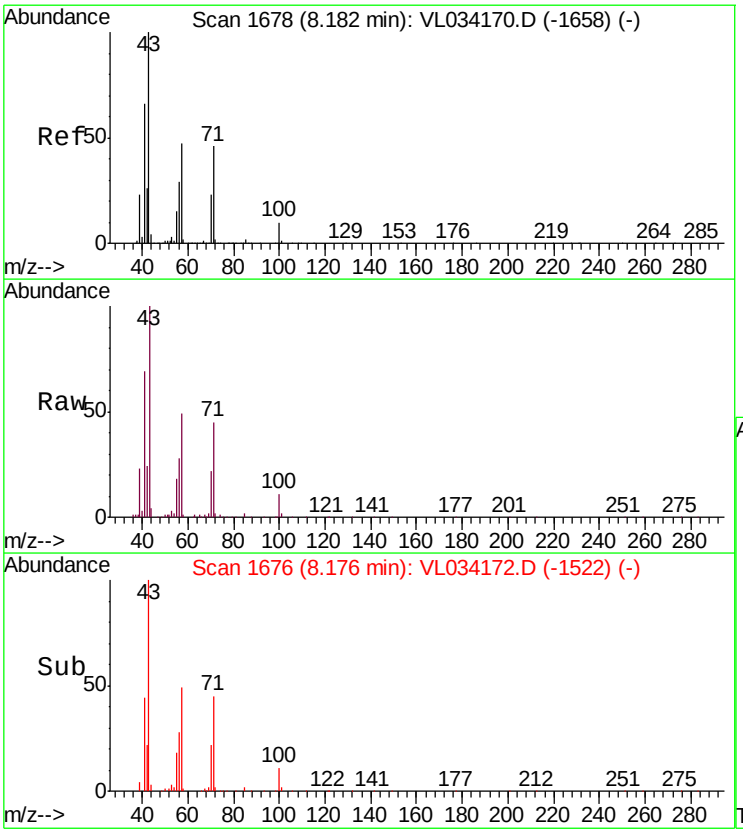
#9
Propene
Concen: 0.995 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 80927

Ion	Ratio	Lower	Upper
41	100		
42	68.3	55.8	83.6

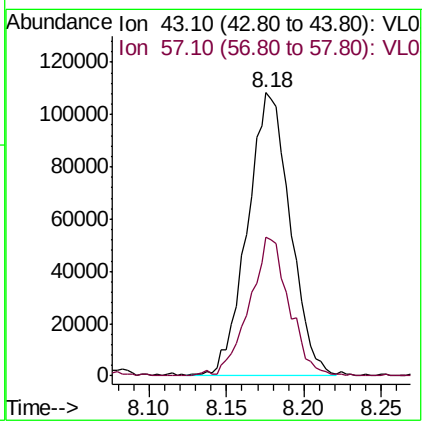


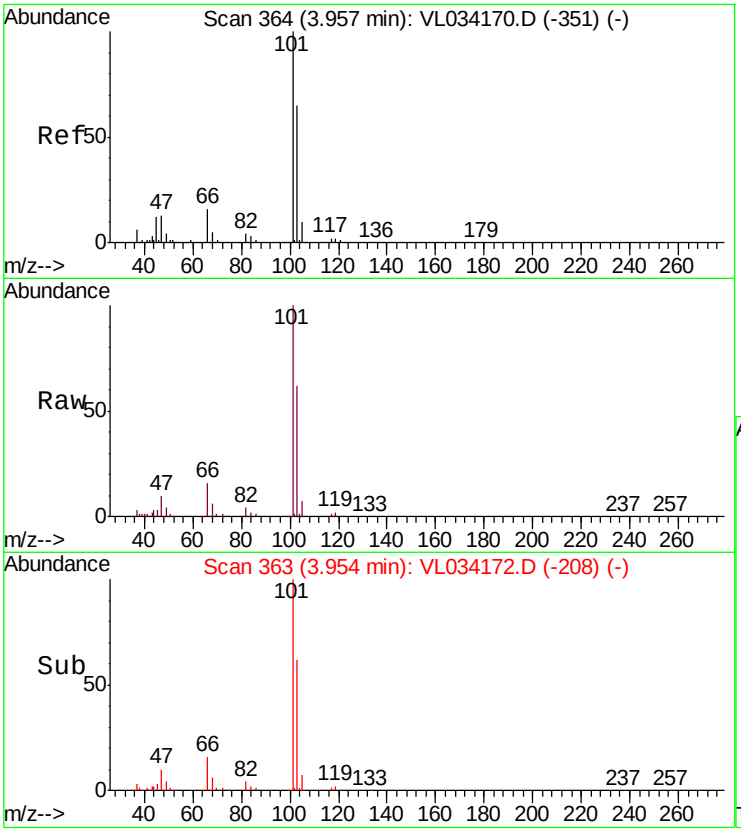


#10
Heptane
Concen: 0.975 ppbv
RT: 8.18 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 43 Resp: 206816

Ion	Ratio	Lower	Upper
43	100		
57	46.1	37.5	56.3



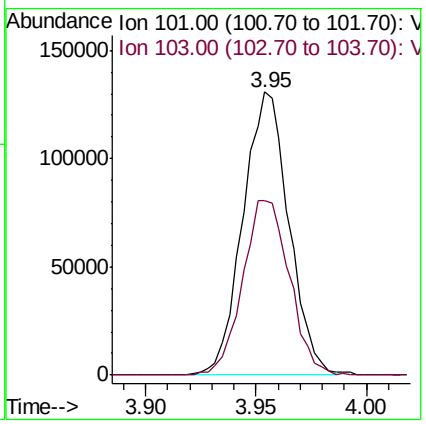


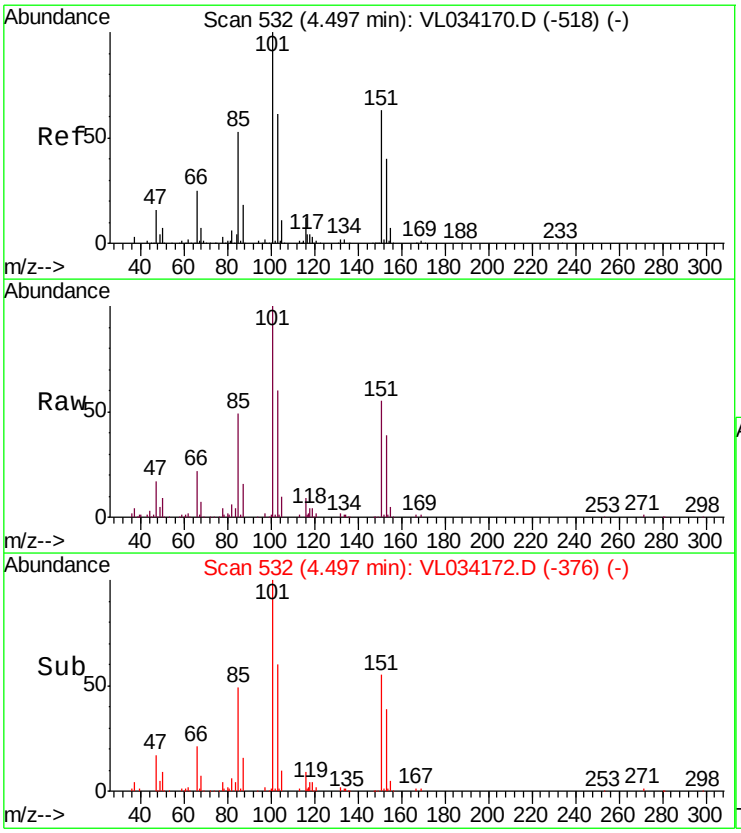
#11
Trichlorofluoromethane
Concen: 1.064 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 188574

Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.1	78.1

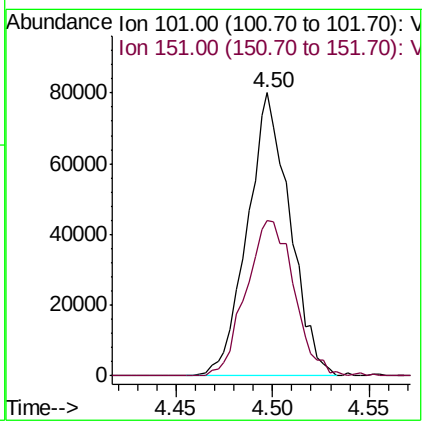


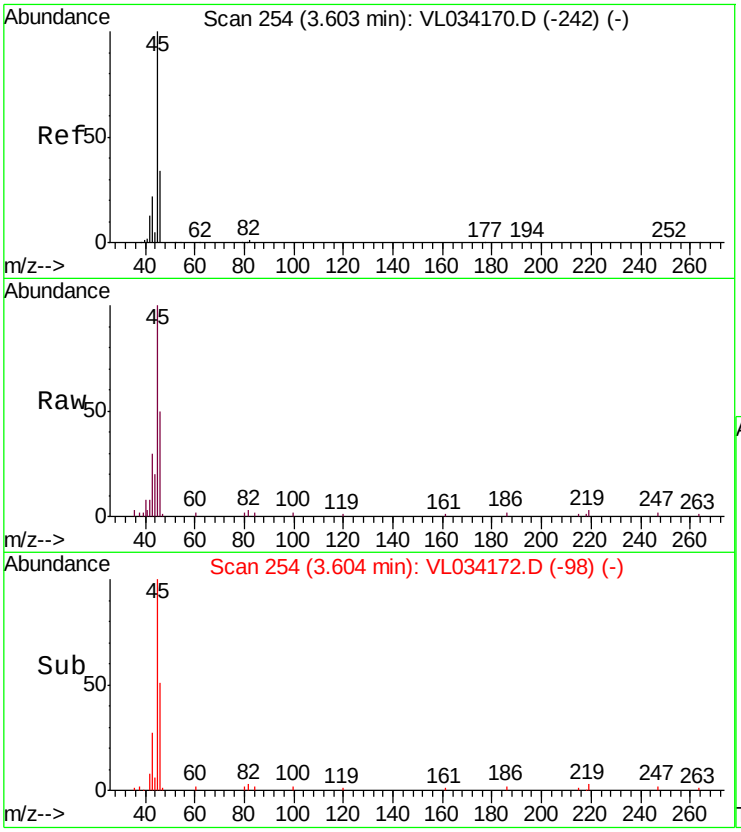


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.040 ppbv
RT: 4.50 min Scan# 532
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:101 Resp: 122505

Ion	Ratio	Lower	Upper
101	100		
151	61.8	51.8	77.8



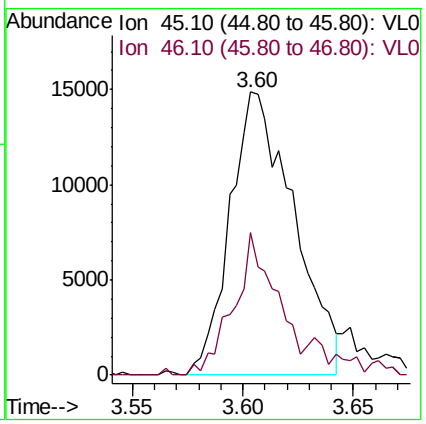


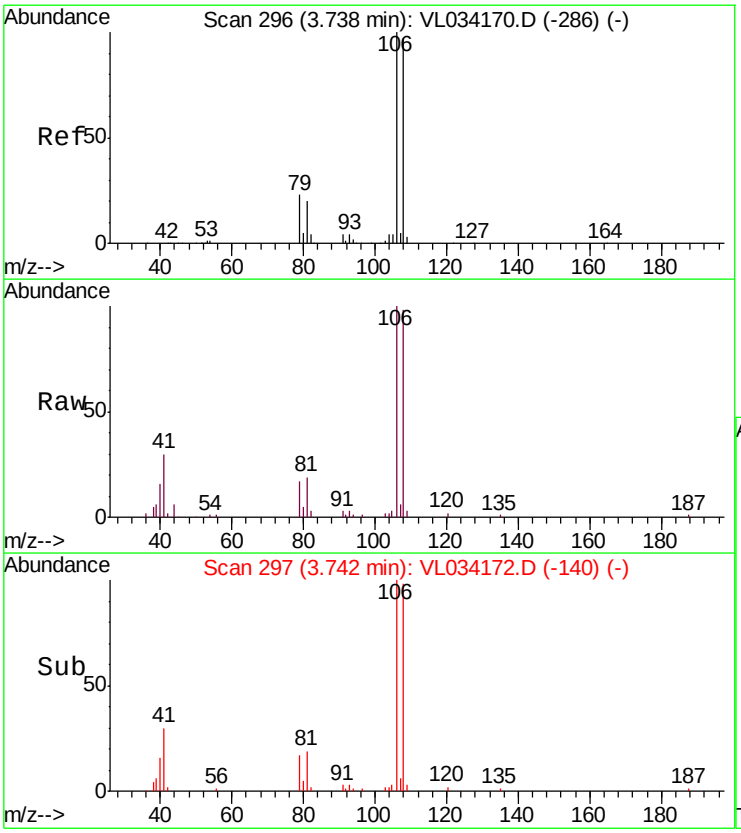
#13
Ethanol
Concen: 1.885 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 29886

Ion	Ratio	Lower	Upper
45	100		
46	41.1	15.5	61.9

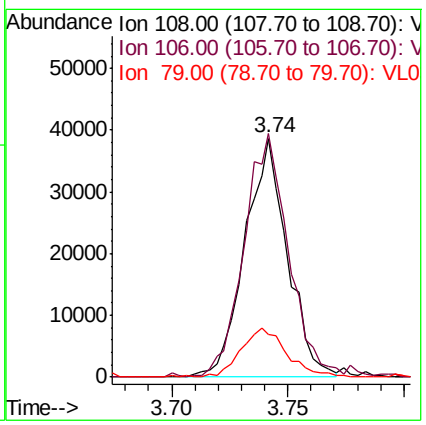


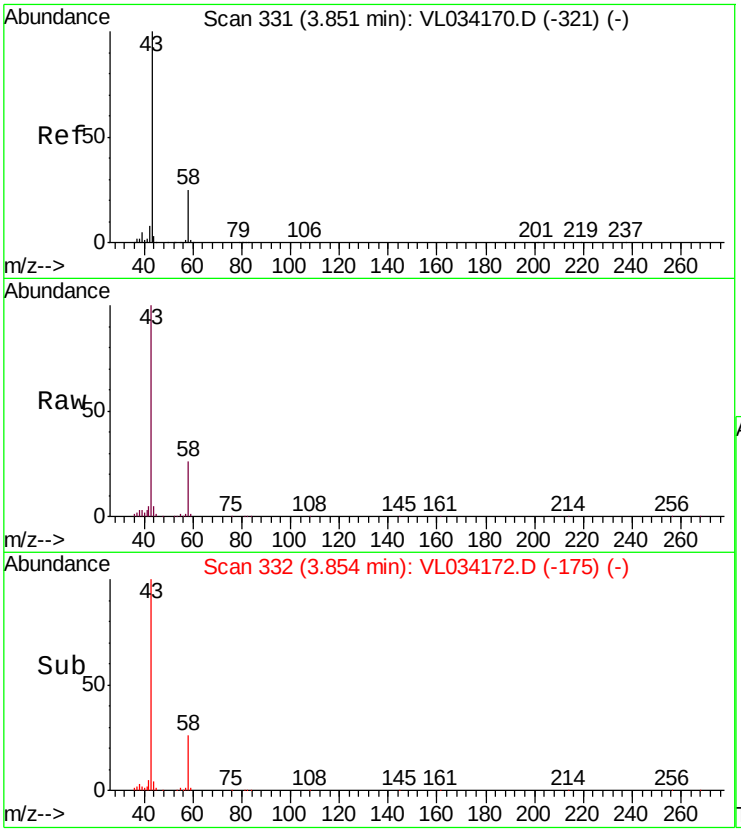


#14
Bromoethene
Concen: 0.971 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:108 Resp: 49363

Ion	Ratio	Lower	Upper
108	100		
106	108.7	86.2	129.4
79	22.1	18.6	27.8



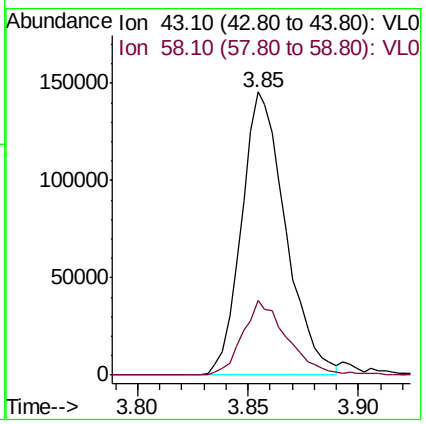


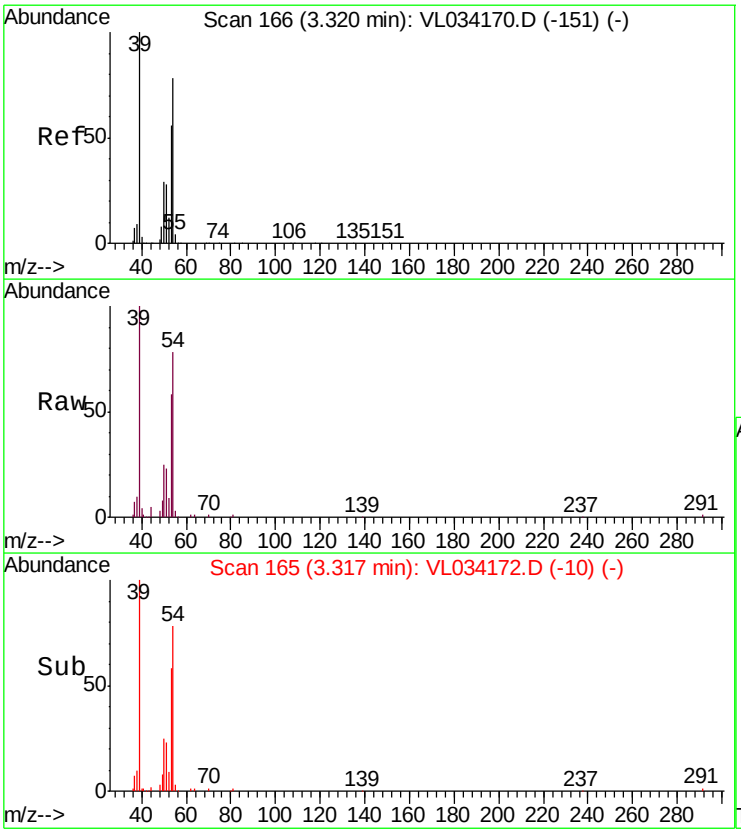
#15
Acetone
Concen: 1.275 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 202630

Ion	Ratio	Lower	Upper
43	100		
58	26.9	20.5	30.7

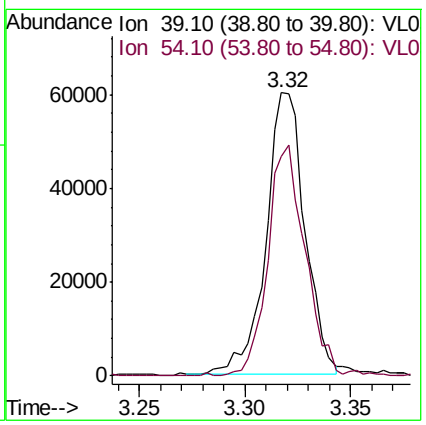


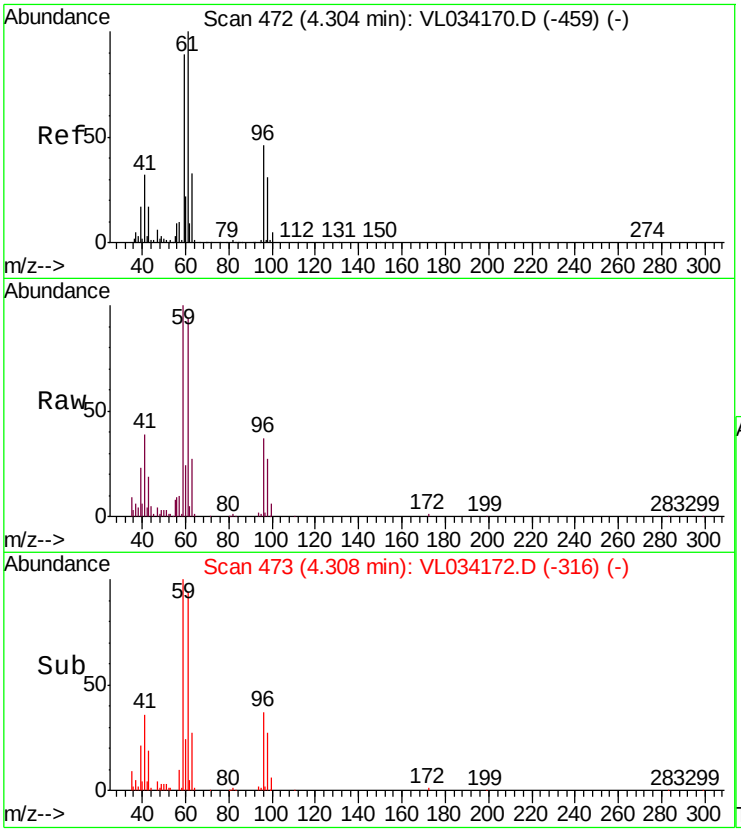


#16
1,3-Butadiene
Concen: 0.966 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 39 Resp: 77376

Ion	Ratio	Lower	Upper
39	100		
54	78.9	63.4	95.0



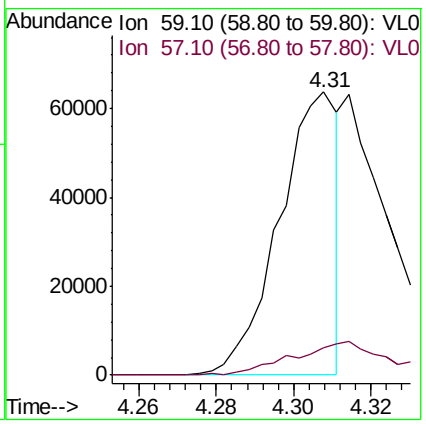


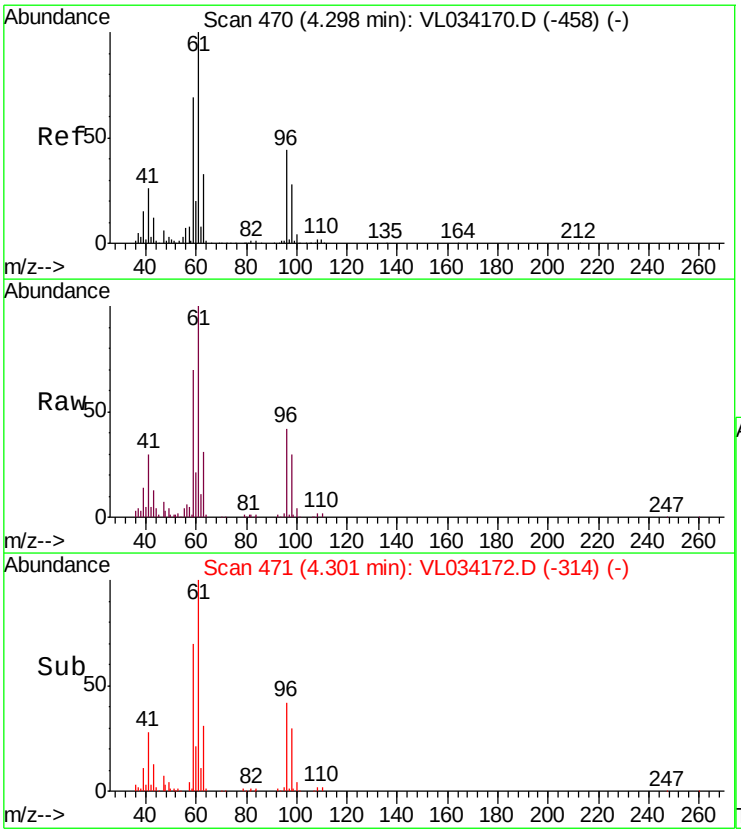
#17
tert-Butyl alcohol
Concen: 0.587 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 67204

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

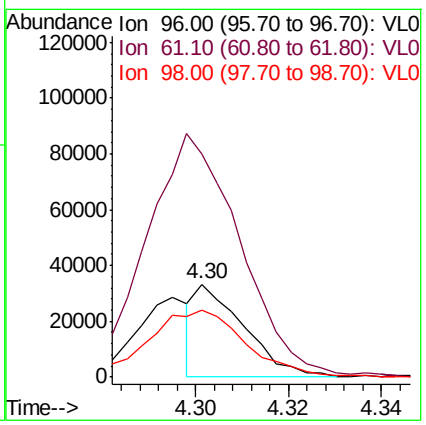


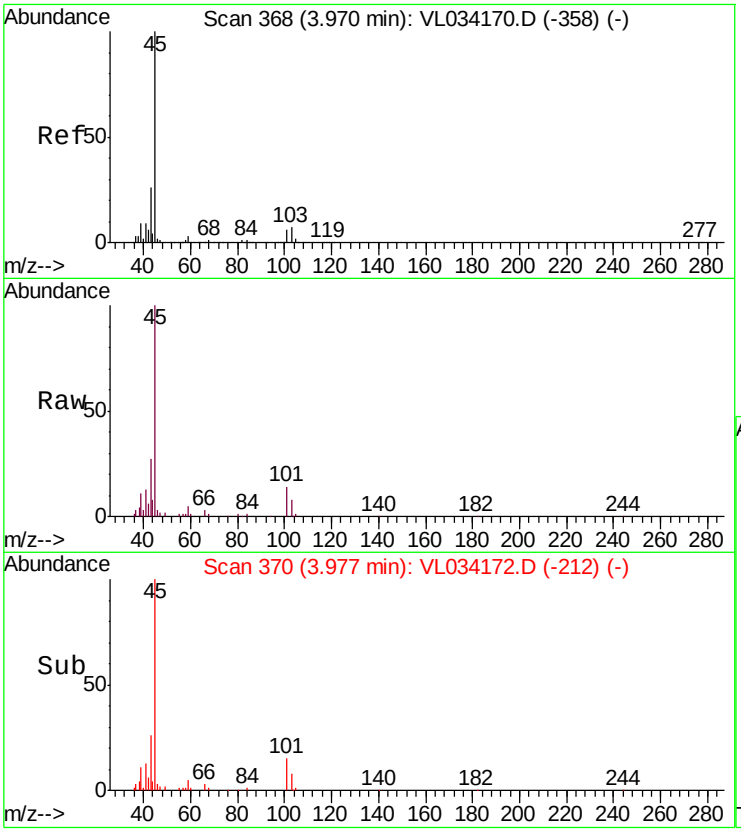


#18
1,1-Dichloroethene
Concen: 0.448 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 96 Resp: 23984

Ion	Ratio	Lower	Upper
96	100		
61	235.4	183.3	274.9
98	69.7	51.4	77.2



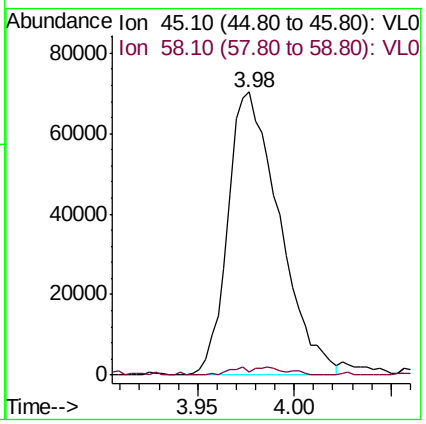


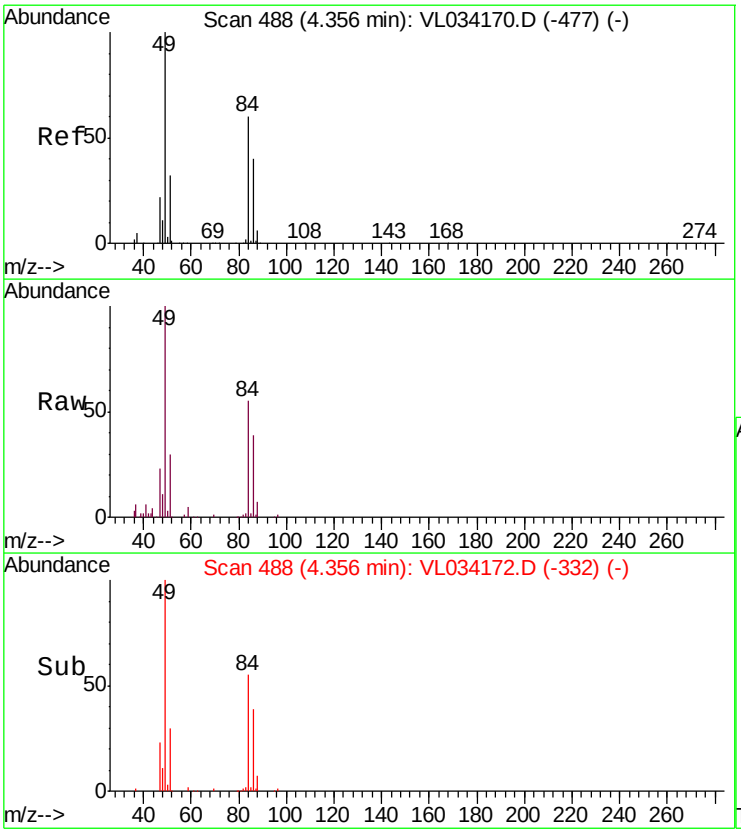
#19
Isopropyl Alcohol
Concen: 1.210 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 128654

Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.4	2.0#

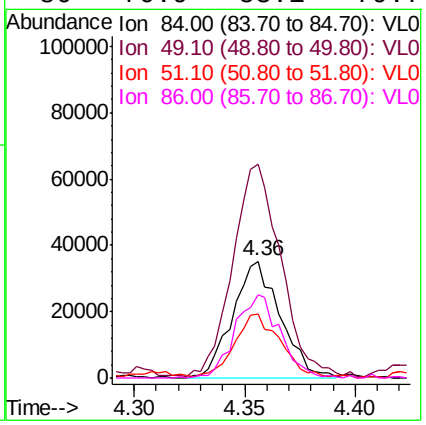


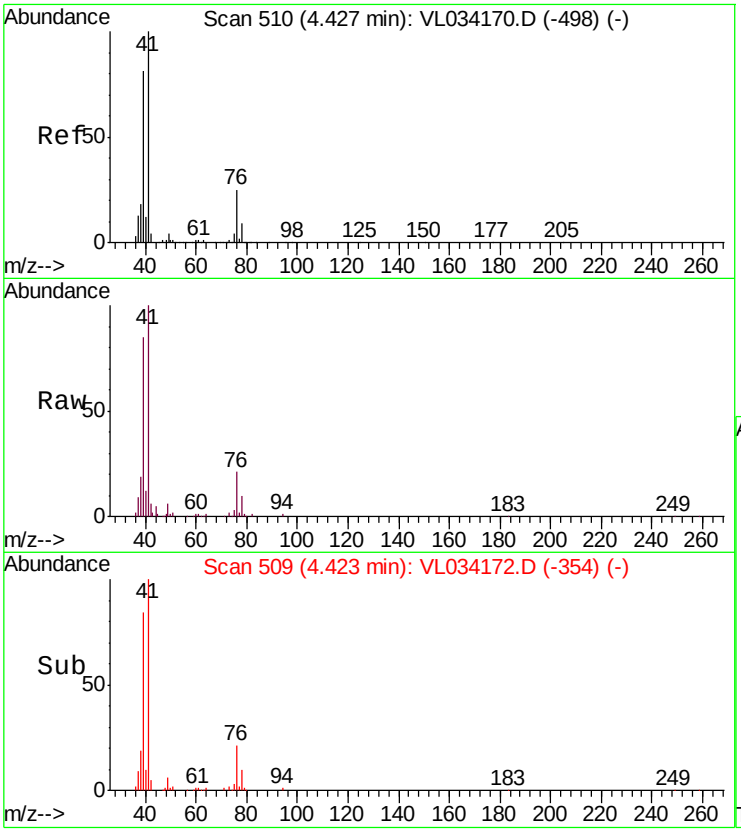


#20
Methylene Chloride
Concen: 1.016 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 84 Resp: 52856

Ion	Ratio	Lower	Upper
84	100		
49	180.9	133.8	200.8
51	53.9	43.6	65.4
86	70.9	53.1	79.7



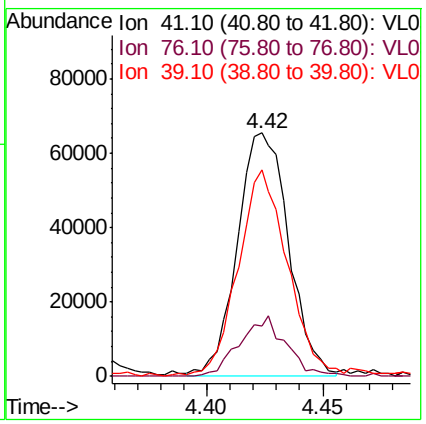


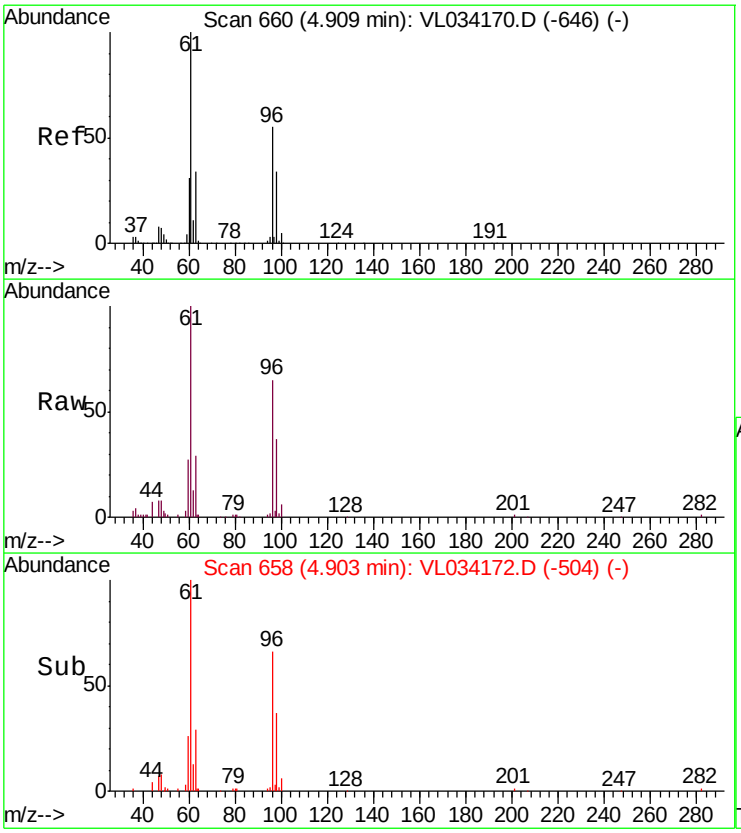
#21
Allyl Chloride
Concen: 0.962 ppbv
RT: 4.42 min Scan# 509
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 100257

Ion	Ratio	Lower	Upper
41	100		
76	22.8	21.8	32.6
39	83.6	64.8	97.2

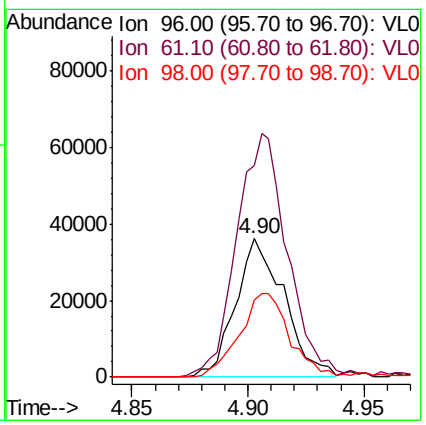


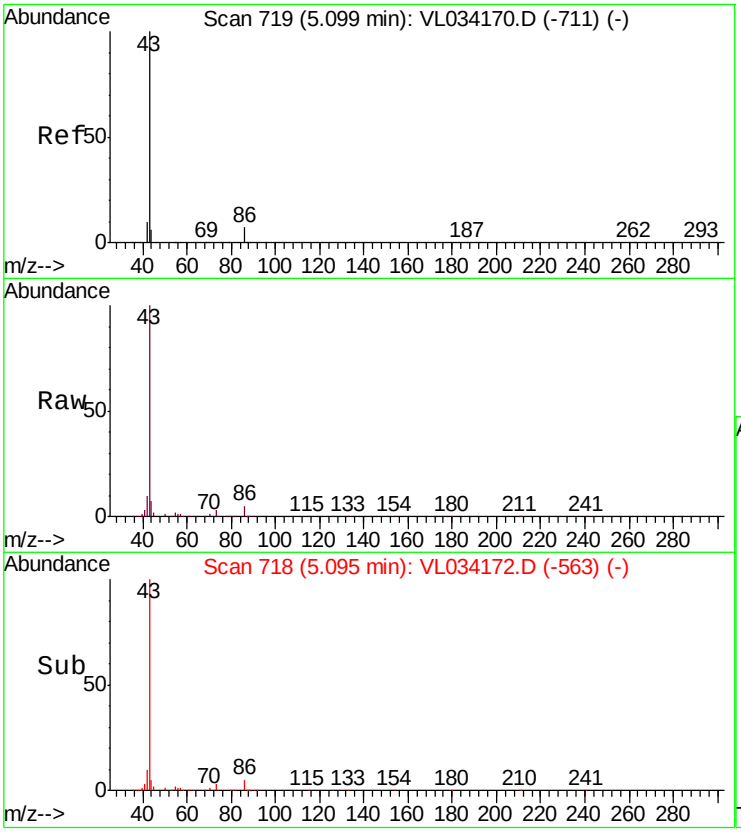


#22
trans-1,2-Dichloroethene
Concen: 0.976 ppbv
RT: 4.90 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 96 Resp: 52498

Ion	Ratio	Lower	Upper
96	100		
61	151.7	145.5	218.3
98	56.1	49.9	74.9



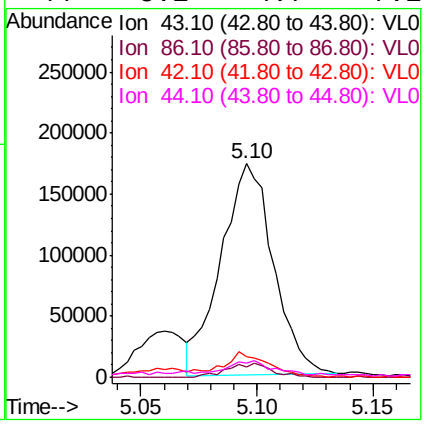


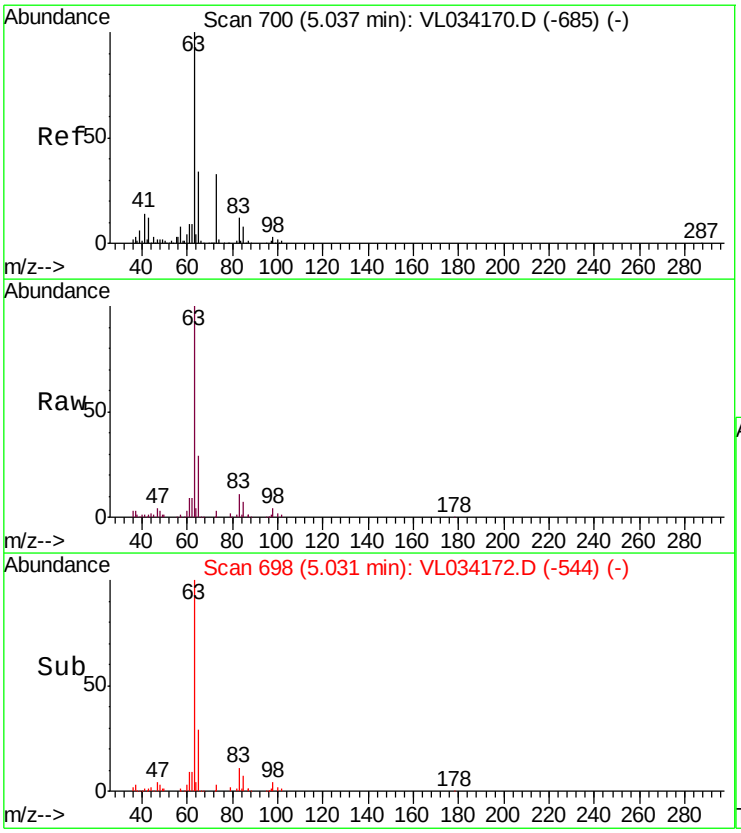
#23
Vinyl Acetate
Concen: 1.014 ppbv
RT: 5.10 min Scan# 718
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 271112

Ion	Ratio	Lower	Upper
43	100		
86	4.5	5.1	7.7#
42	9.1	8.6	12.8
44	5.1	4.7	7.1

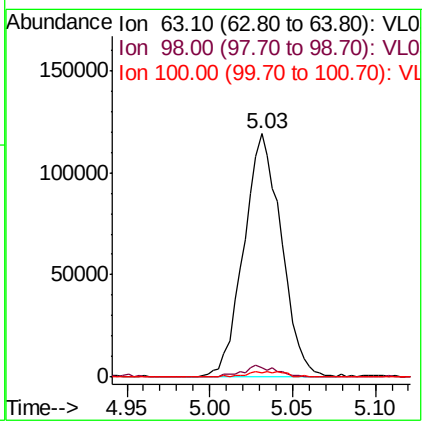


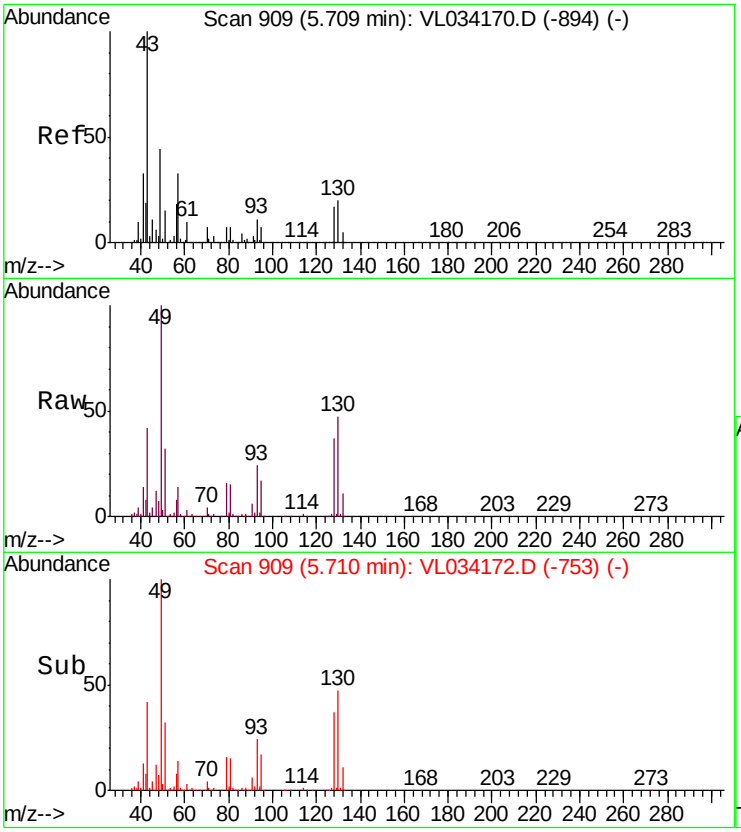


#24
1,1-Dichloroethane
Concen: 1.055 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 63 Resp: 188040

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.3
100	1.7	1.0	3.0



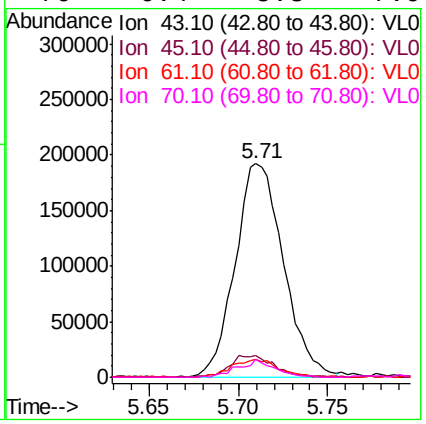


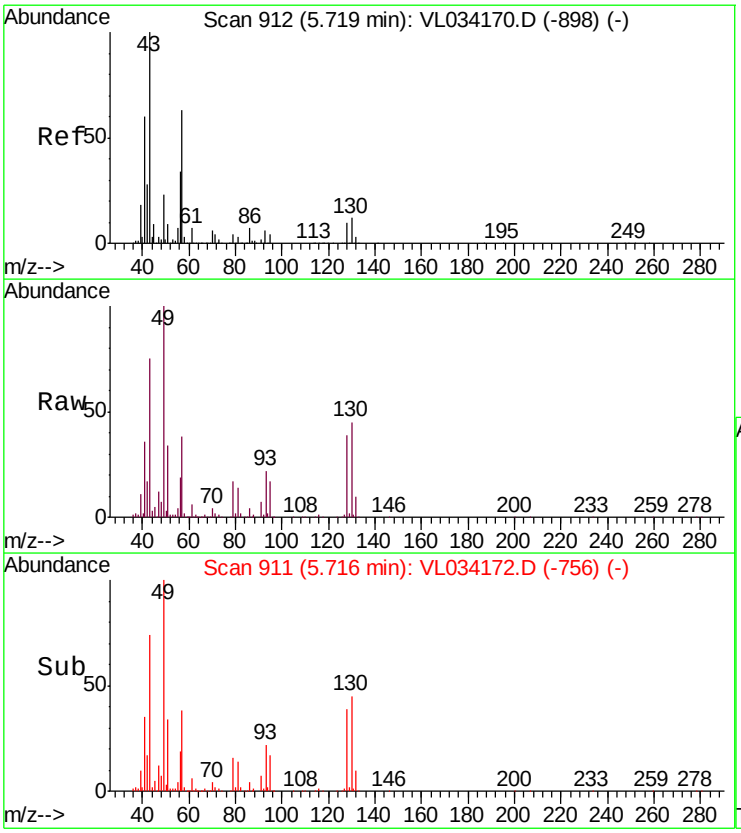
#25
Ethyl Acetate
Concen: 1.043 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 362043

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.4	12.6
61	8.2	7.2	10.8
70	6.4	5.3	7.9

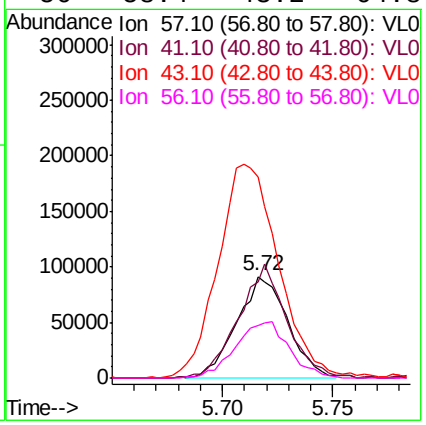


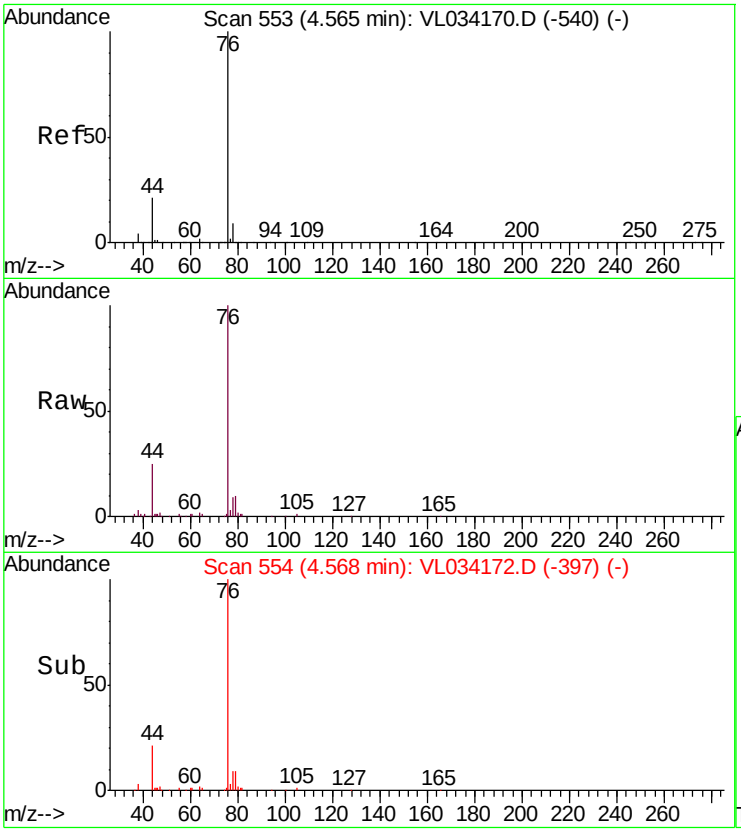


#26
Hexane
Concen: 0.944 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 57 Resp: 145539

Ion	Ratio	Lower	Upper
57	100		
41	108.9	78.5	117.7
43	253.7	189.5	284.3
56	58.4	43.2	64.8



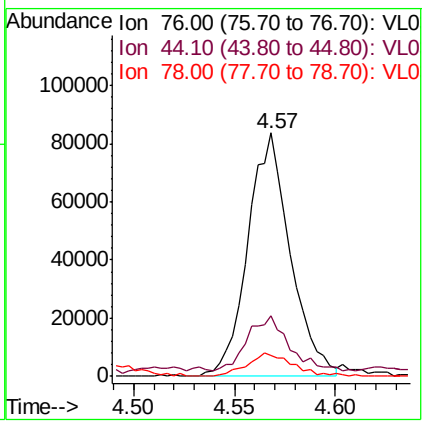


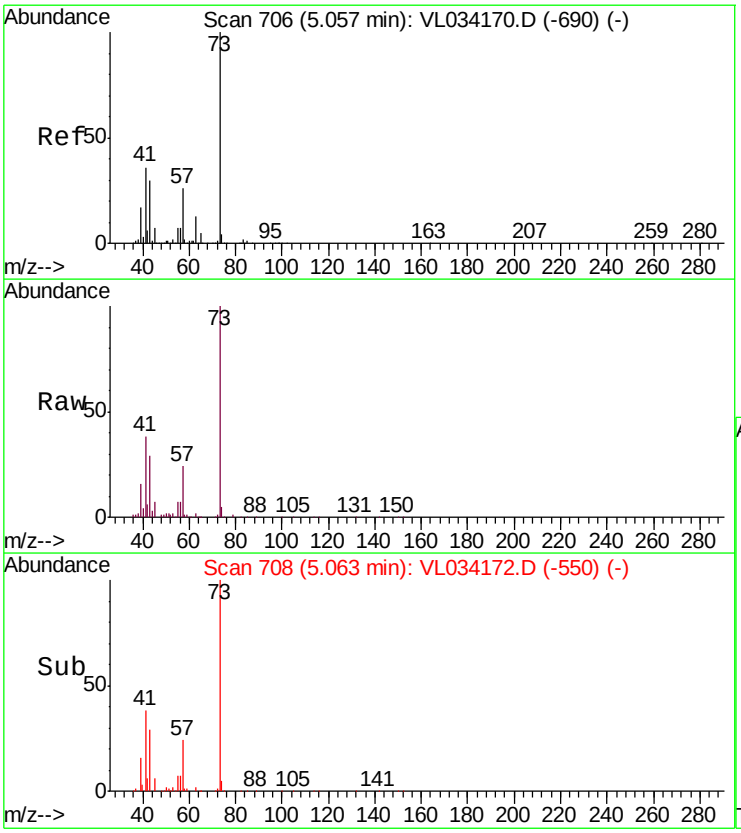
#27
Carbon Disulfide
Concen: 0.893 ppbv
RT: 4.57 min Scan# 554
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 123557

Ion	Ratio	Lower	Upper
76	100		
44	22.1	17.6	26.4
78	10.4	7.6	11.4

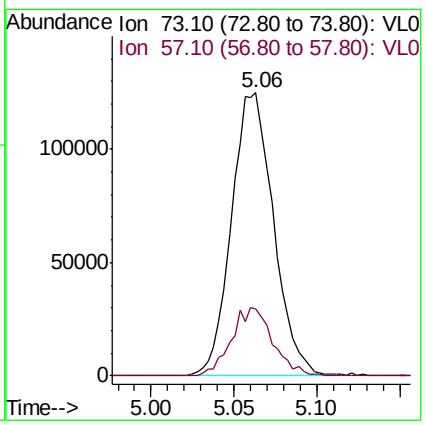


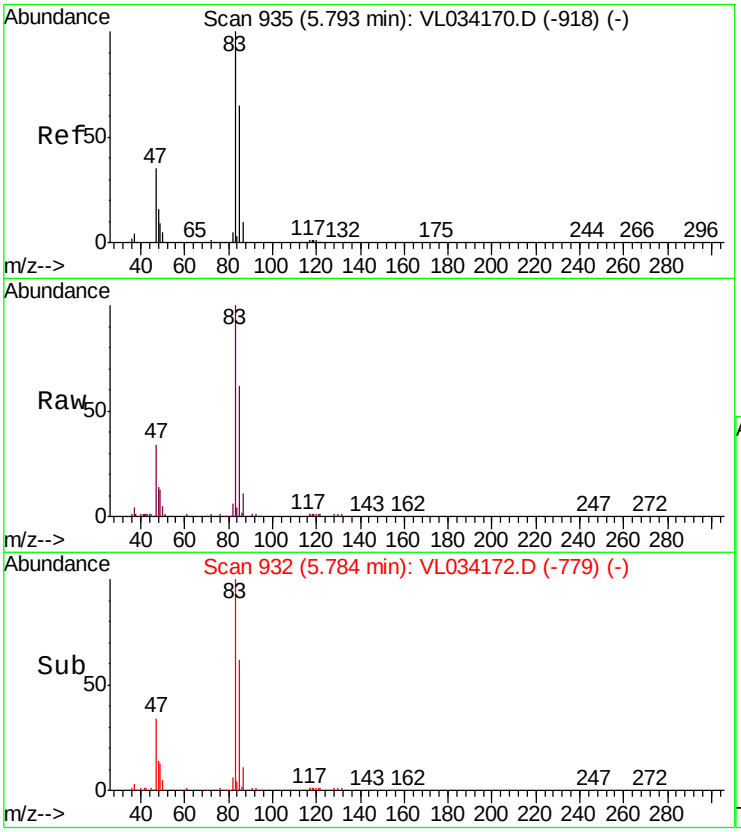


#28
Methyl tert-Butyl Ether
Concen: 0.988 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 73 Resp: 220880

Ion	Ratio	Lower	Upper
73	100		
57	23.6	20.2	30.2



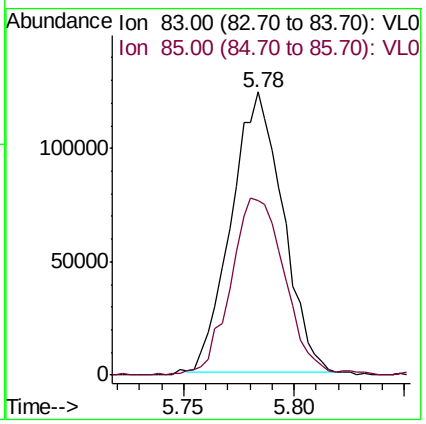


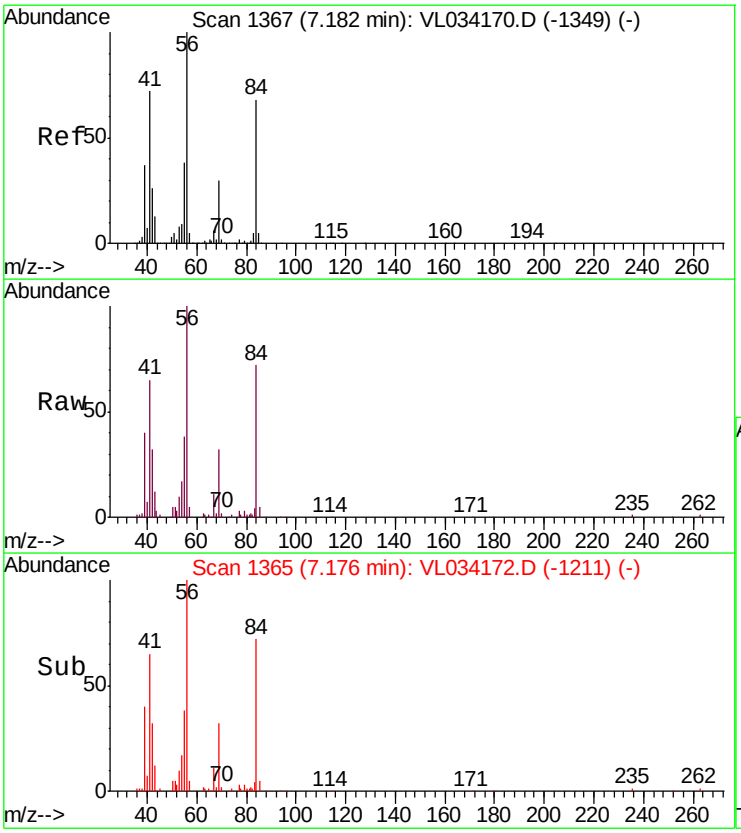
#29
Chloroform
Concen: 0.968 ppbv
RT: 5.78 min Scan# 932
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 201462

Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.3	78.5

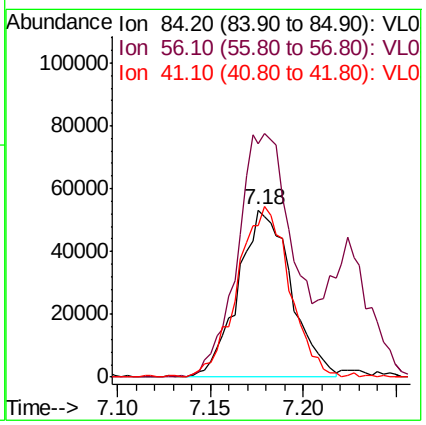


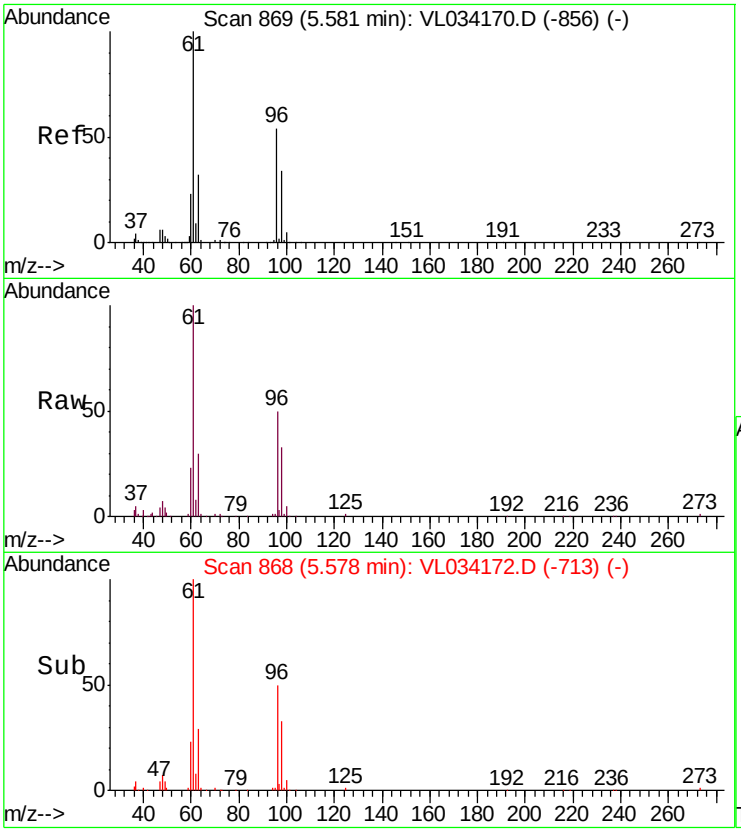


#30
Cyclohexane
Concen: 0.955 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 84 Resp: 105297

Ion	Ratio	Lower	Upper
84	100		
56	154.2	126.2	189.2
41	101.7	85.8	128.8



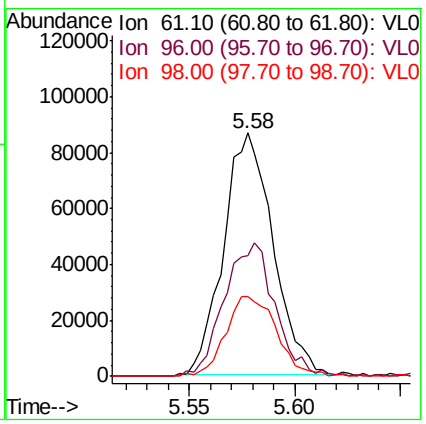


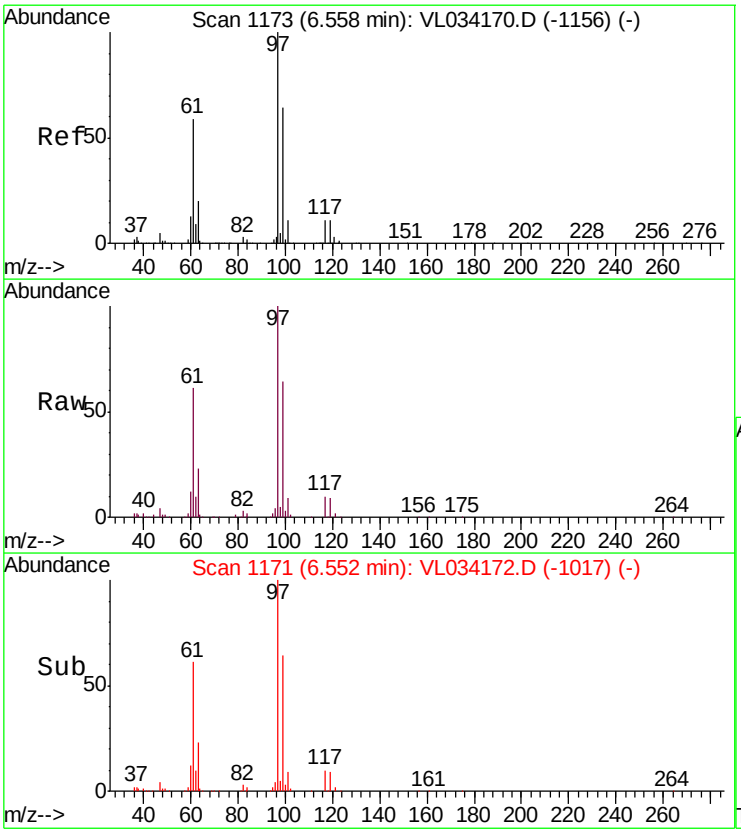
#31
cis-1,2-Dichloroethene
Concen: 0.951 ppbv
RT: 5.58 min Scan# 868
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 140534

Ion	Ratio	Lower	Upper
61	100		
96	49.3	43.0	64.4
98	32.3	27.2	40.8

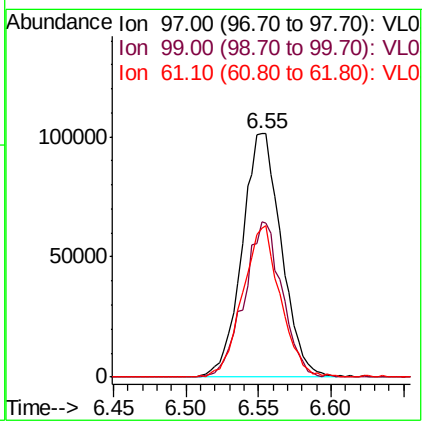


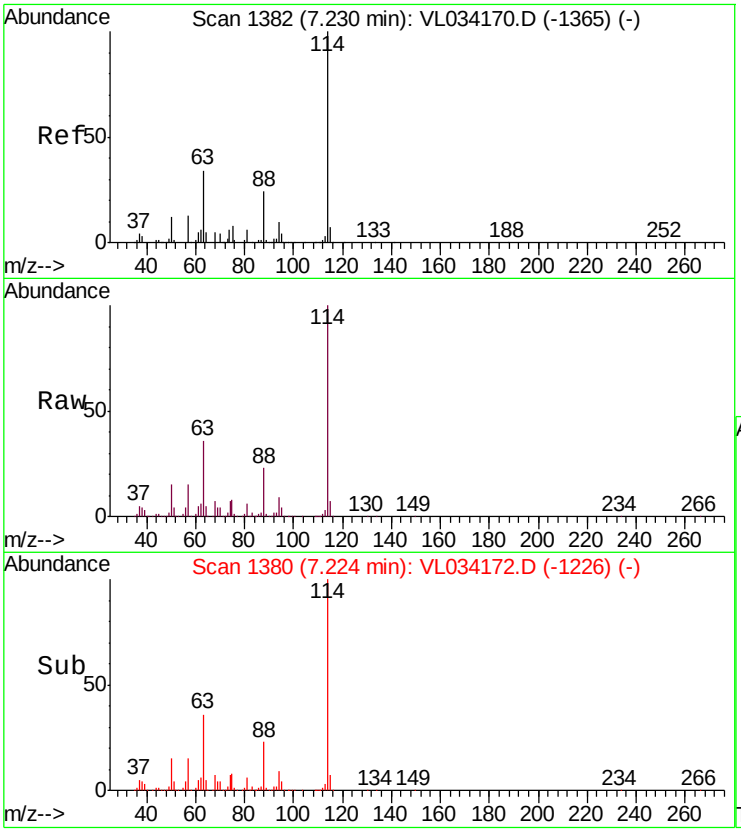


#32
1,1,1-Trichloroethane
Concen: 0.973 ppbv
RT: 6.55 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 97 Resp: 191595

Ion	Ratio	Lower	Upper
97	100		
99	61.7	51.4	77.2
61	59.8	48.4	72.6



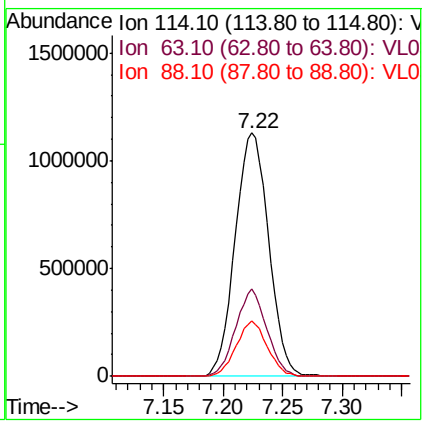


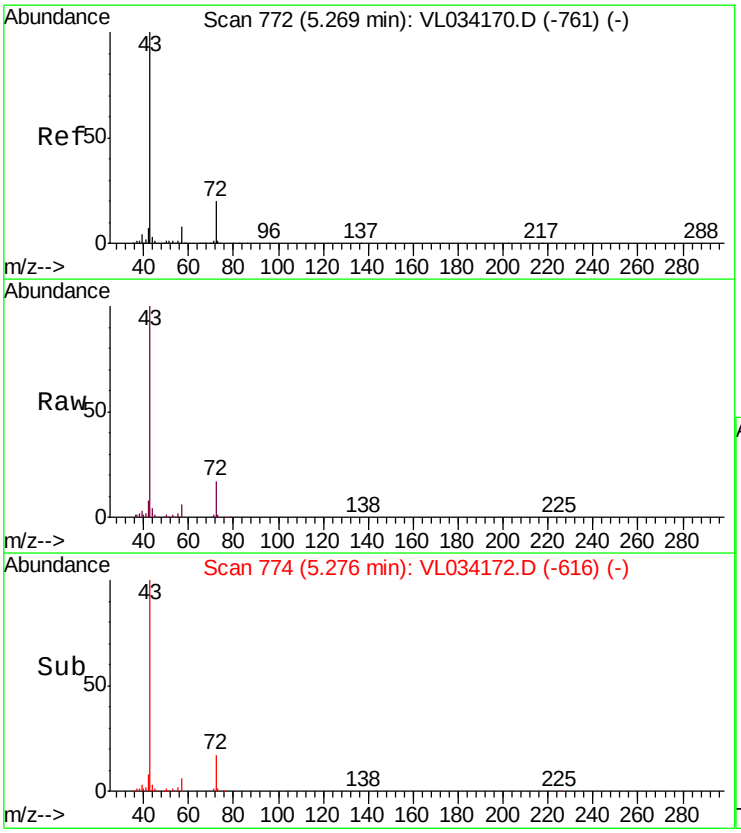
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2208119

Ion	Ratio	Lower	Upper
114	100		
63	33.4	27.8	41.6
88	20.9	17.1	25.7

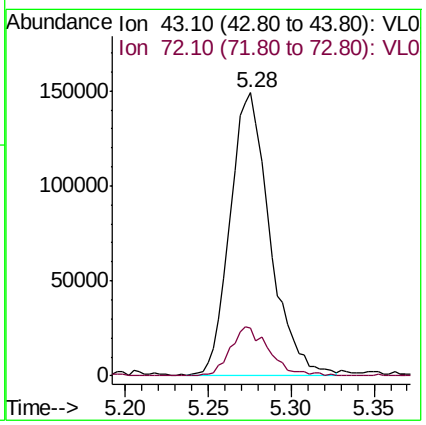


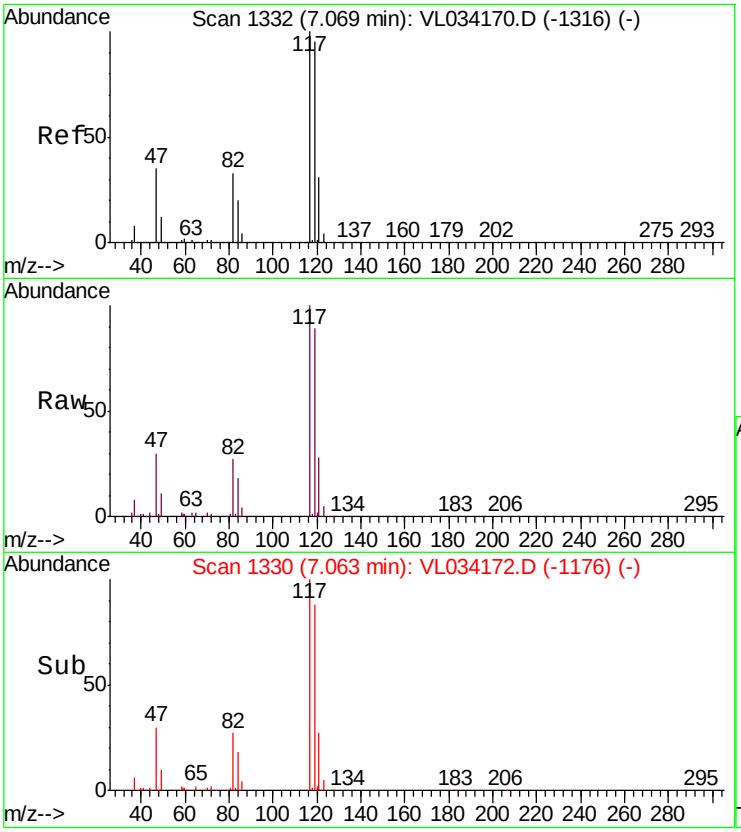


#34
2-Butanone
Concen: 1.148 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 43 Resp: 247791

Ion	Ratio	Lower	Upper
43	100		
72	17.3	15.0	22.6



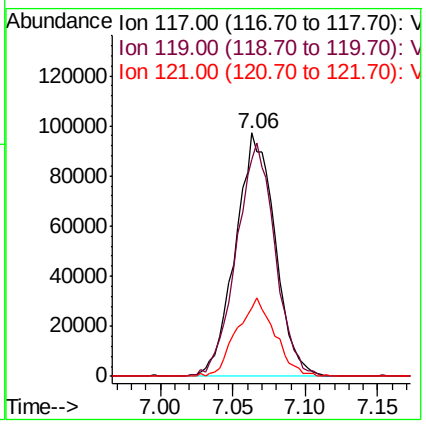


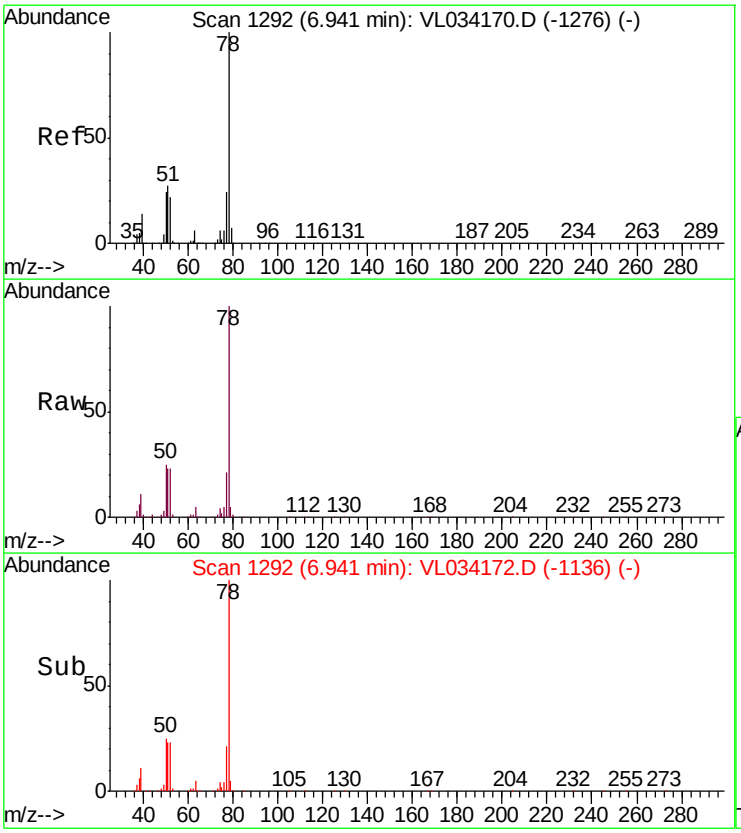
#35
Carbon Tetrachloride
Concen: 1.055 ppbv
RT: 7.06 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 184030

Ion	Ratio	Lower	Upper
117	100		
119	88.9	75.8	113.6
121	27.8	25.0	37.6

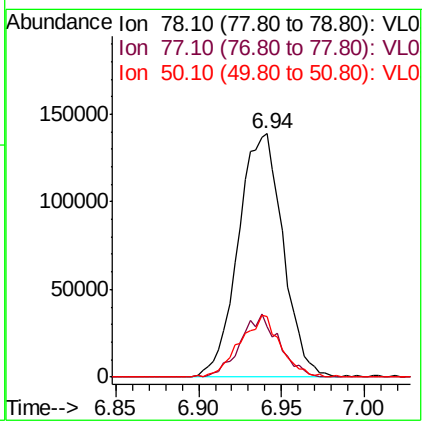


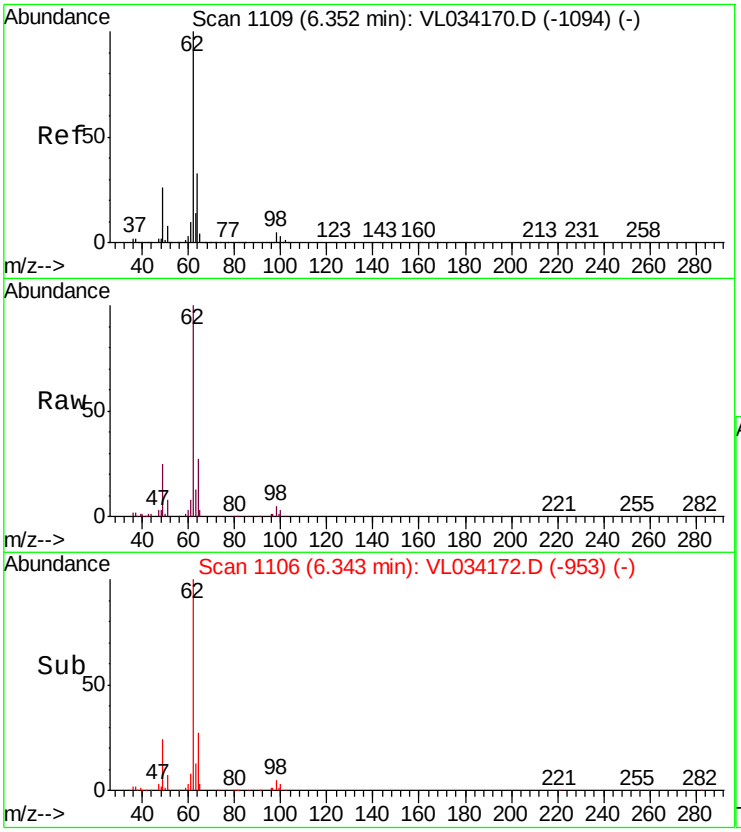


#36
Benzene
Concen: 1.033 ppbv
RT: 6.94 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 78 Resp: 260427

Ion	Ratio	Lower	Upper
78	100		
77	20.6	19.0	28.4
50	24.5	18.9	28.3



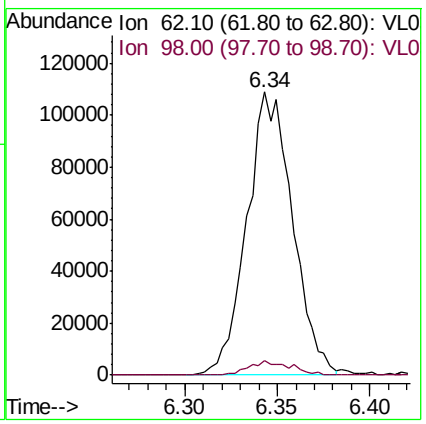


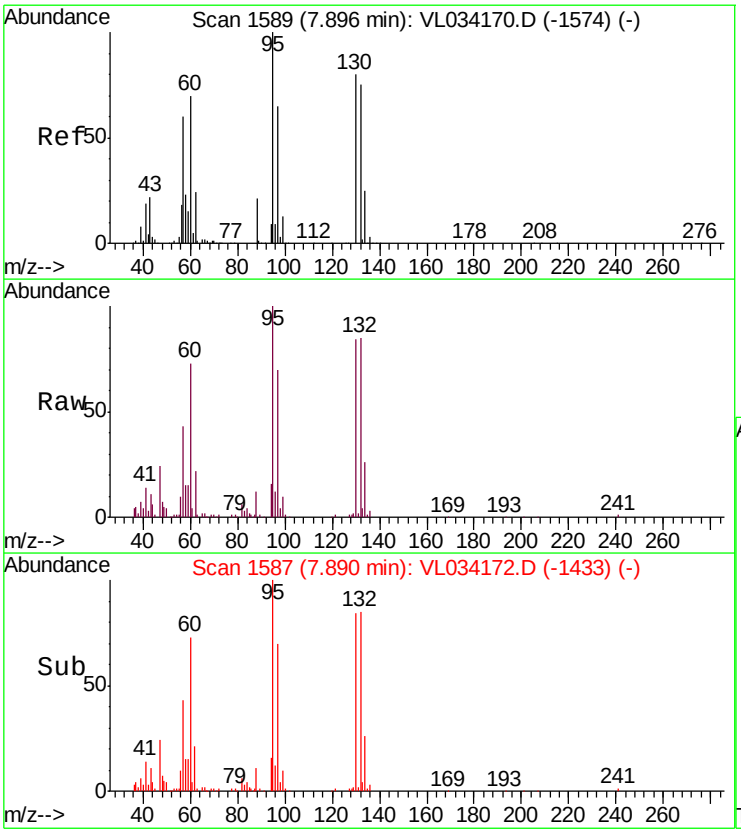
#37
1,2-Dichloroethane
Concen: 1.168 ppbv
RT: 6.34 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 62 Resp: 186524

Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.8

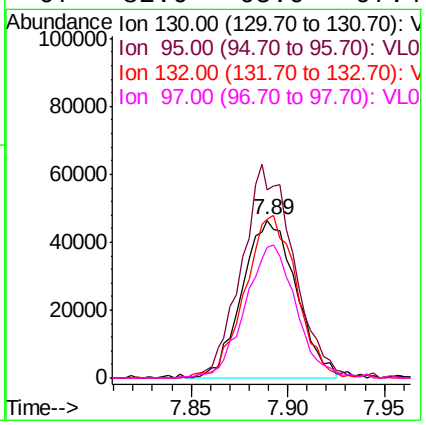


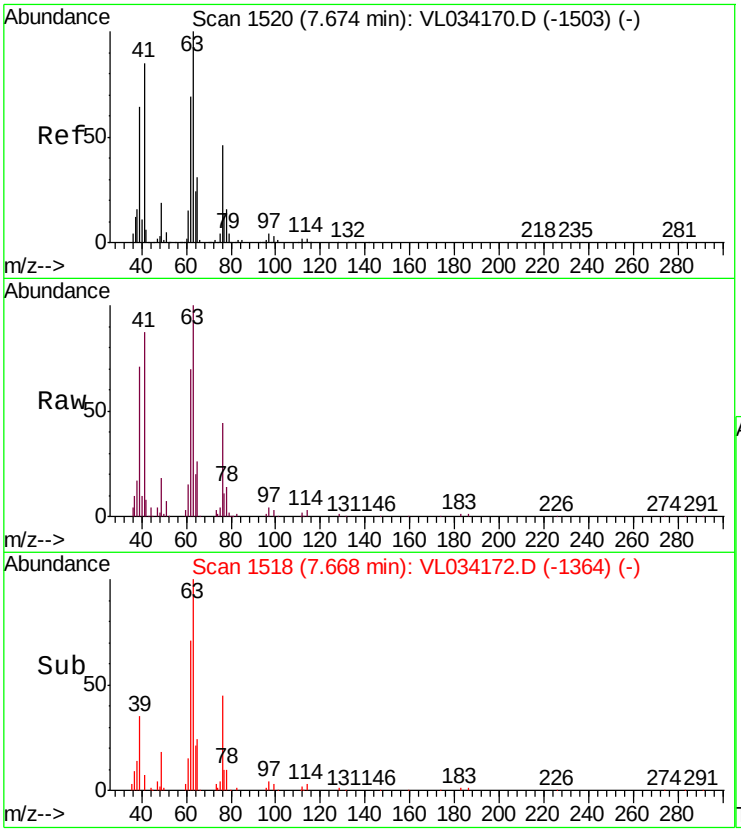


#38
Trichloroethene
Concen: 0.948 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:130 Resp: 89641

Ion	Ratio	Lower	Upper
130	100		
95	118.5	99.8	149.6
132	100.9	75.2	112.8
97	82.0	65.0	97.4



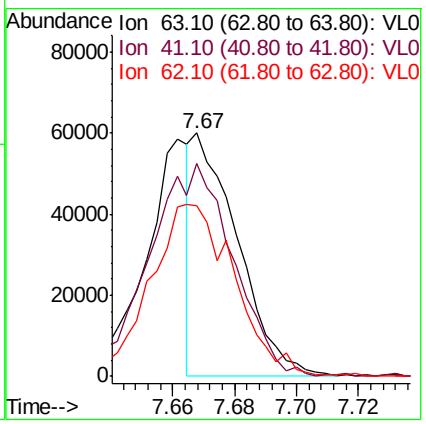


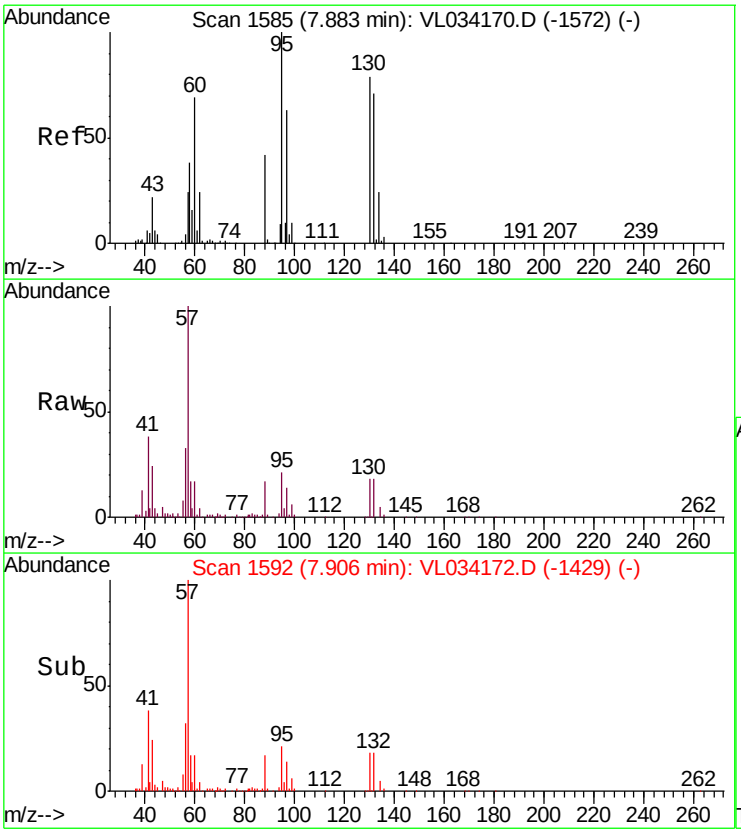
#39
1,2-Dichloropropane
Concen: 0.555 ppbv
RT: 7.67 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 60451

Ion	Ratio	Lower	Upper
63	100		
41	86.9	68.4	102.6
62	69.1	55.4	83.2

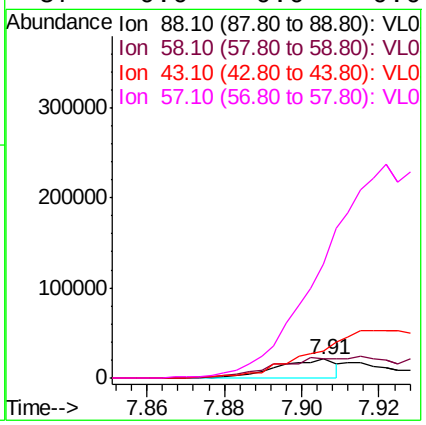


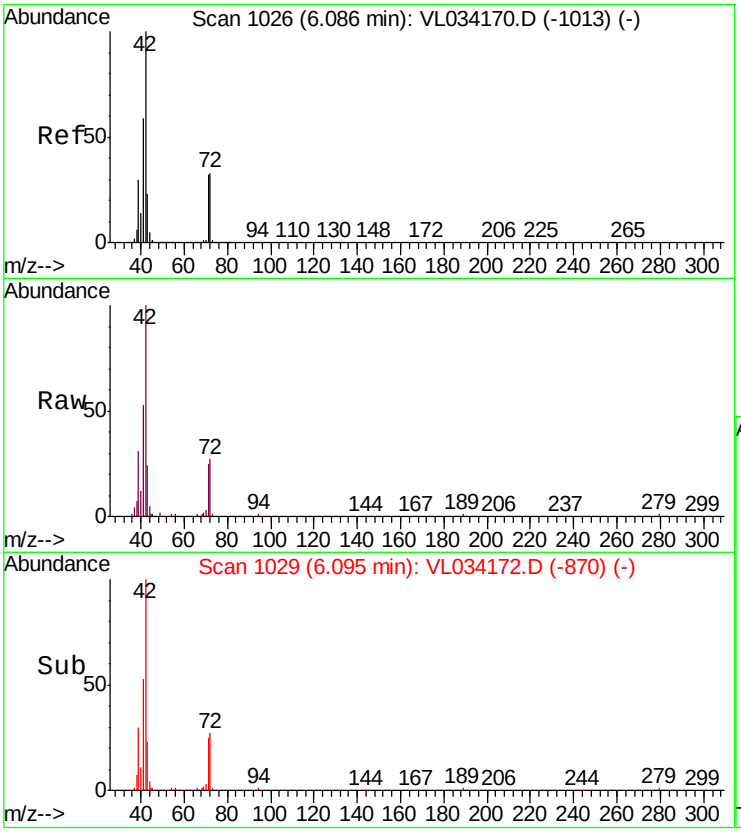


#40
1,4-Dioxane
Concen: 0.559 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.02 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 88 Resp: 22046

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



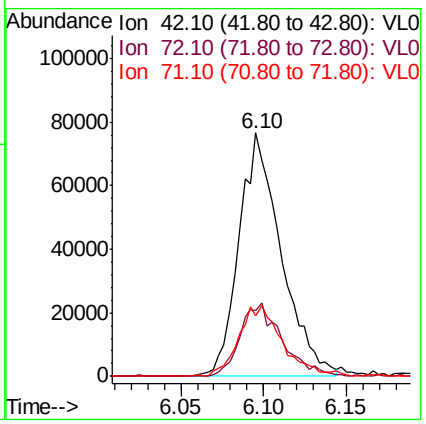


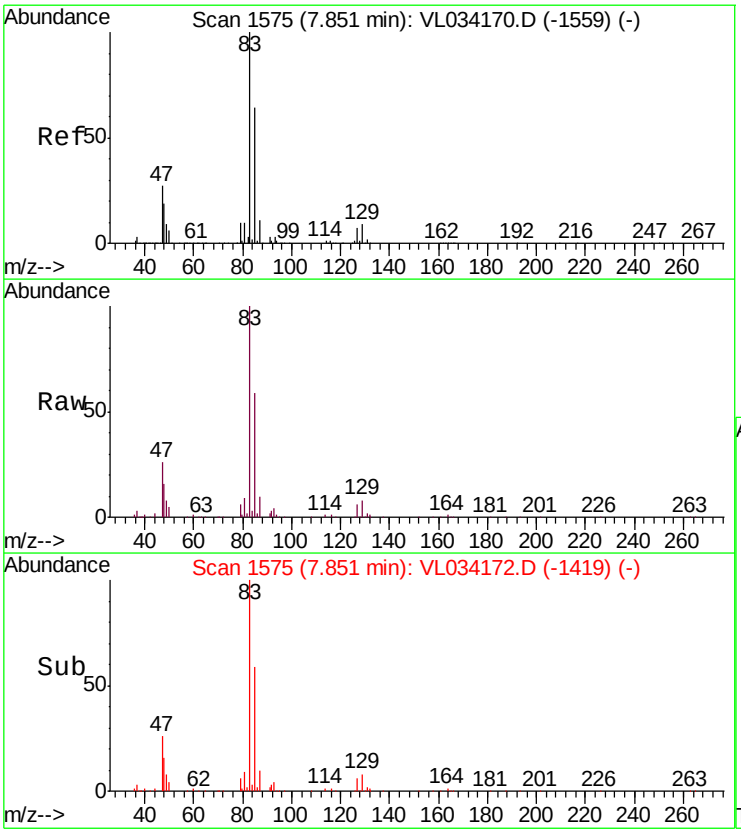
#41
Tetrahydrofuran
Concen: 1.055 ppbv
RT: 6.10 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 135620

Ion	Ratio	Lower	Upper
42	100		
72	30.0	26.6	40.0
71	30.6	25.1	37.7

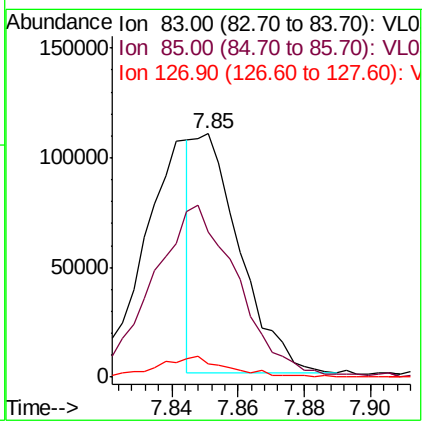


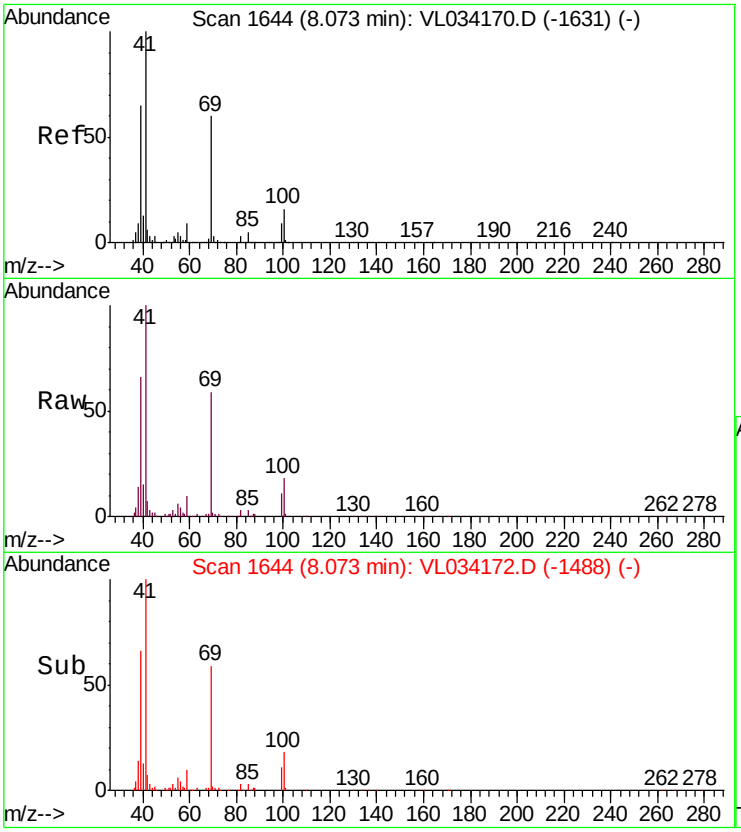


#42
Bromodichloromethane
Concen: 0.515 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 83 Resp: 105303

Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.4	77.0
127	5.3	5.5	8.3#



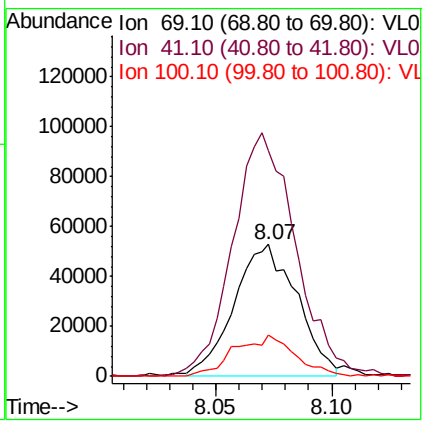


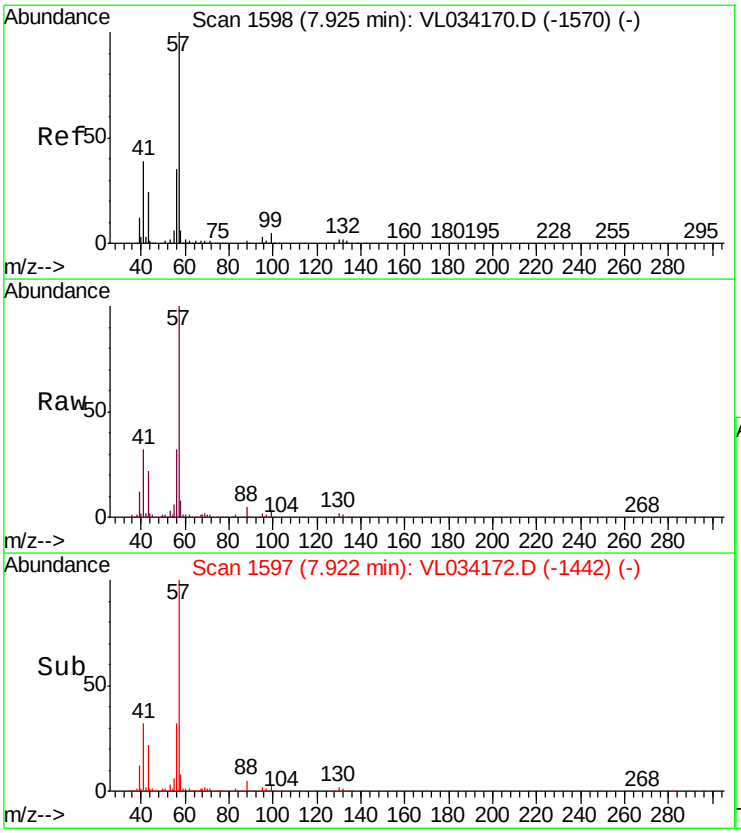
#43
Methyl Methacrylate
Concen: 0.949 ppbv
RT: 8.07 min Scan# 1644
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 98897

Ion	Ratio	Lower	Upper
69	100		
41	186.8	140.4	210.6
100	30.9	21.9	32.9

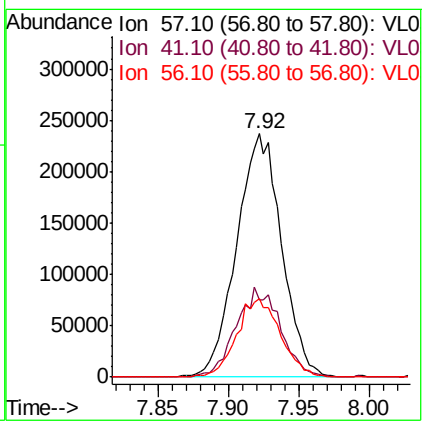


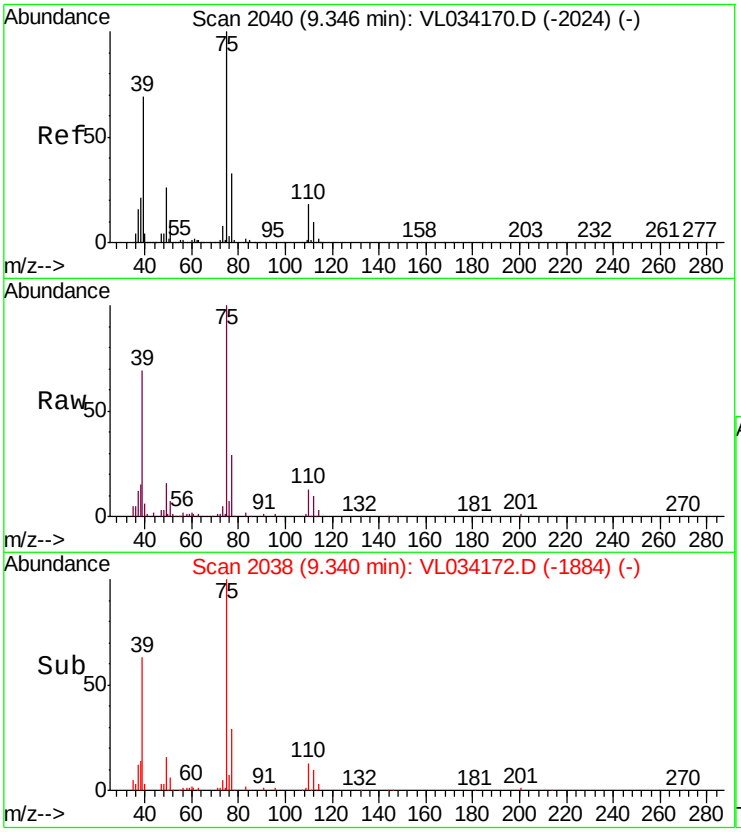


#44
2,2,4-Trimethylpentane
Concen: 1.114 ppbv
RT: 7.92 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 57 Resp: 523875

Ion	Ratio	Lower	Upper
57	100		
41	36.4	29.8	44.6
56	31.6	25.9	38.9



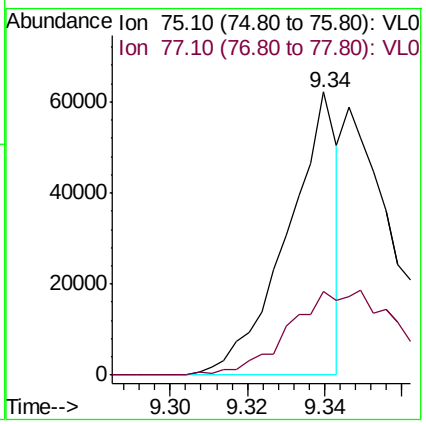


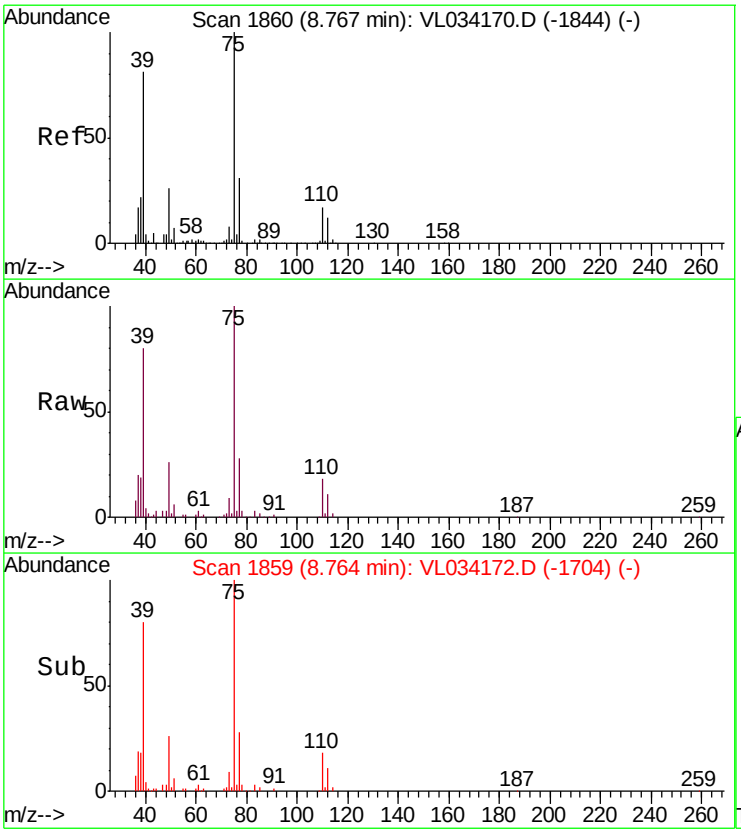
#45
t-1,3-Dichloropropene
Concen: 0.453 ppbv
RT: 9.34 min Scan# 2038
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 55722

Ion	Ratio	Lower	Upper
75	100		
77	29.4	26.2	39.2

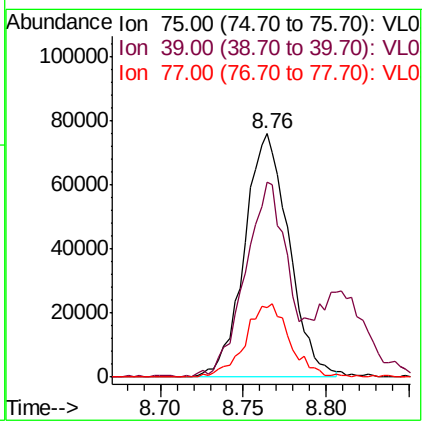


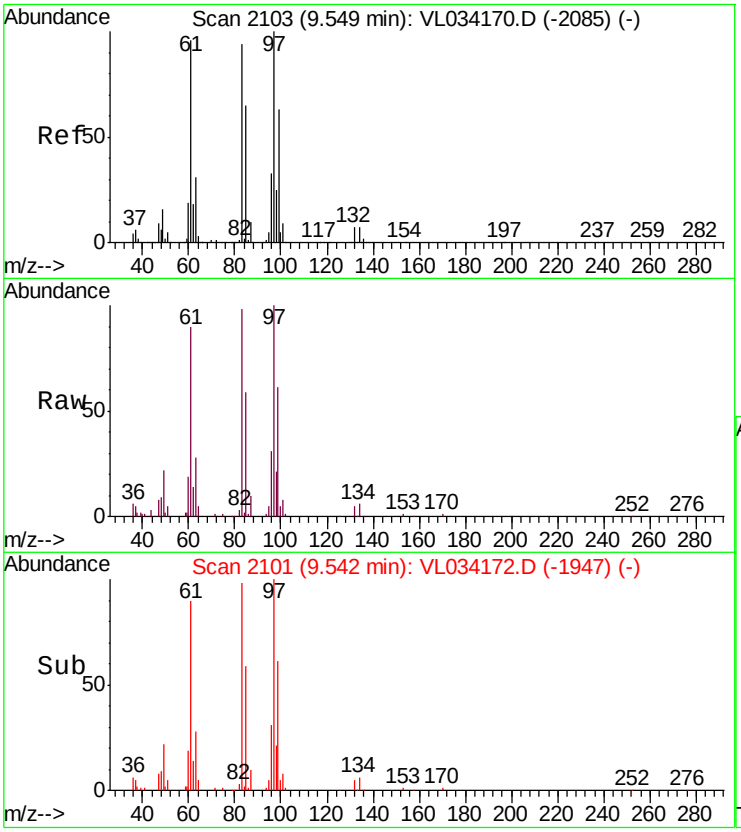


#46
cis-1,3-Dichloropropene
Concen: 0.946 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 75 Resp: 141561

Ion	Ratio	Lower	Upper
75	100		
39	79.5	65.0	97.4
77	28.5	24.5	36.7



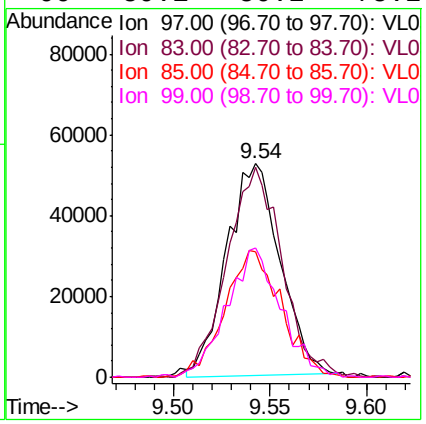


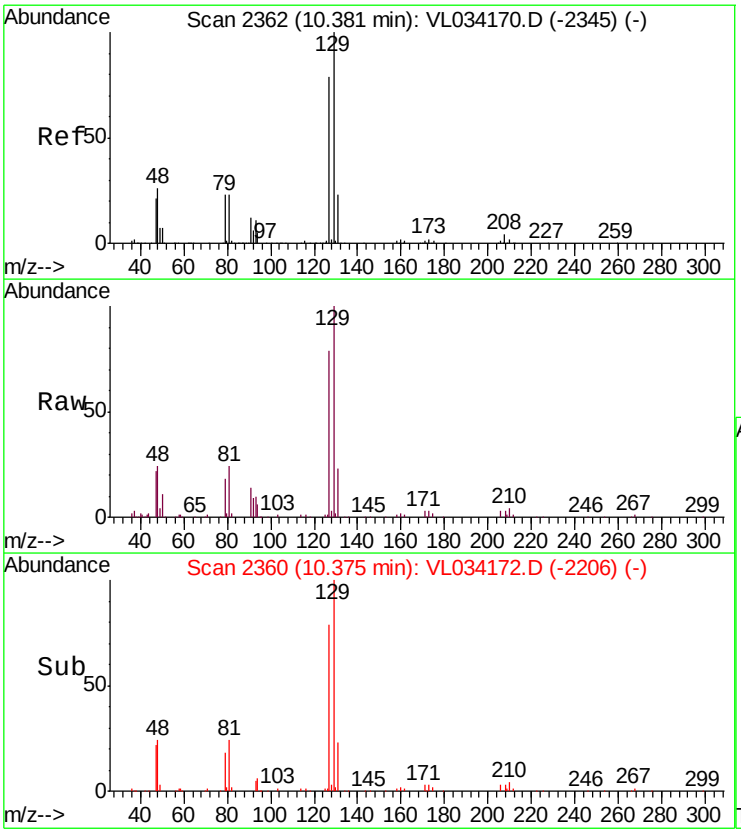
#47
1,1,2-Trichloroethane
Concen: 1.027 ppbv
RT: 9.54 min Scan# 2101
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 101372

Ion	Ratio	Lower	Upper
97	100		
83	97.4	75.3	112.9
85	58.8	52.1	78.1
99	59.1	50.2	75.2

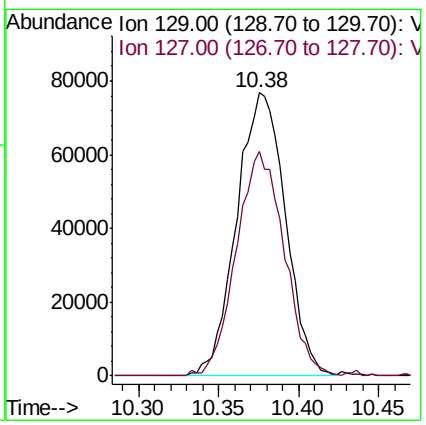


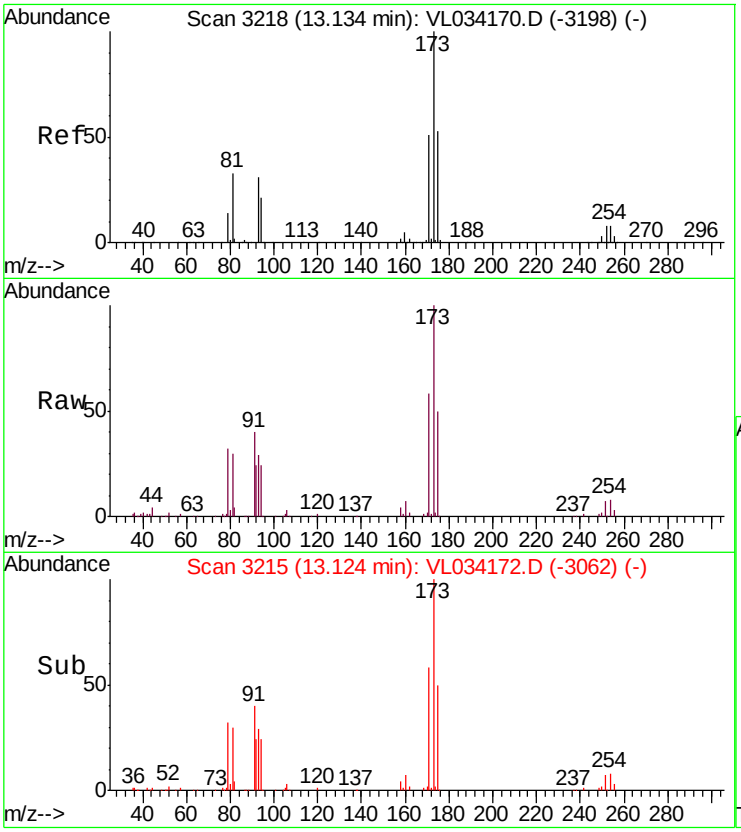


#48
Dibromochloromethane
Concen: 1.075 ppbv
RT: 10.38 min Scan# 2360
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:129 Resp: 160386

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.2	117.6



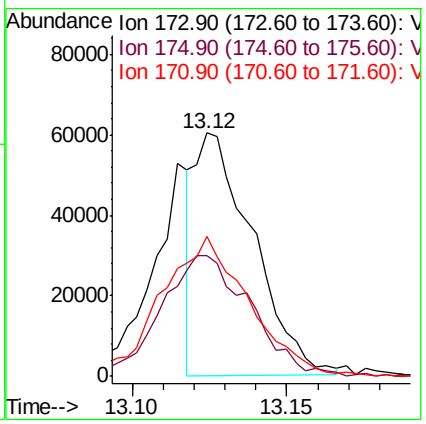


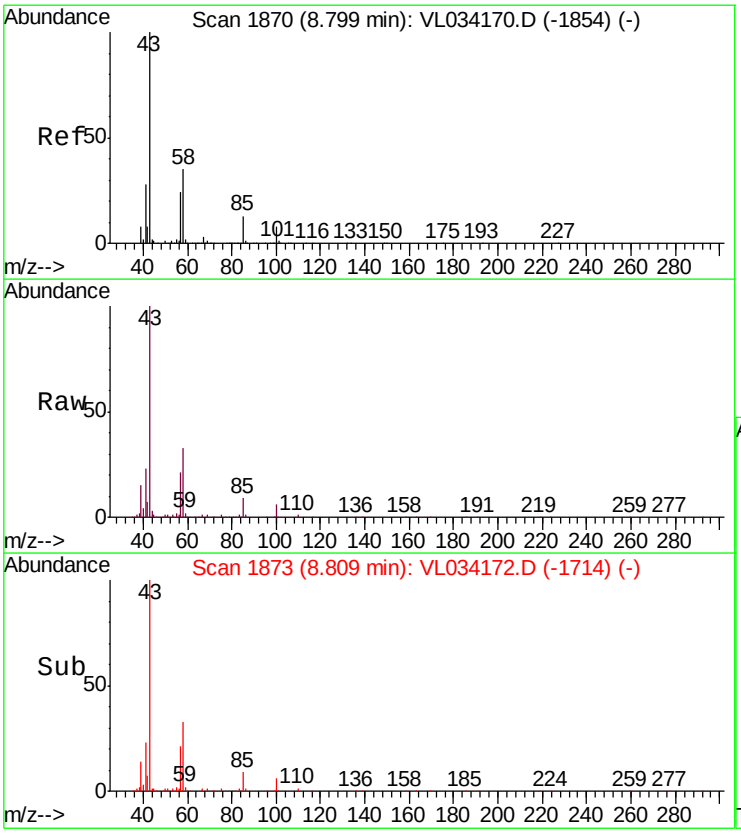
#49
Bromoform
Concen: 0.606 ppbv
RT: 13.12 min Scan# 3215
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:173 Resp: 78557

Ion	Ratio	Lower	Upper
173	100		
175	78.3	40.3	60.5#
171	87.6	42.0	63.0#

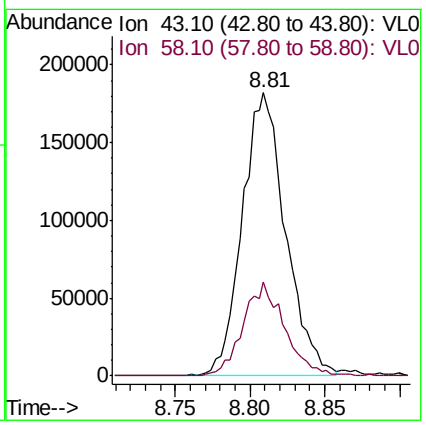


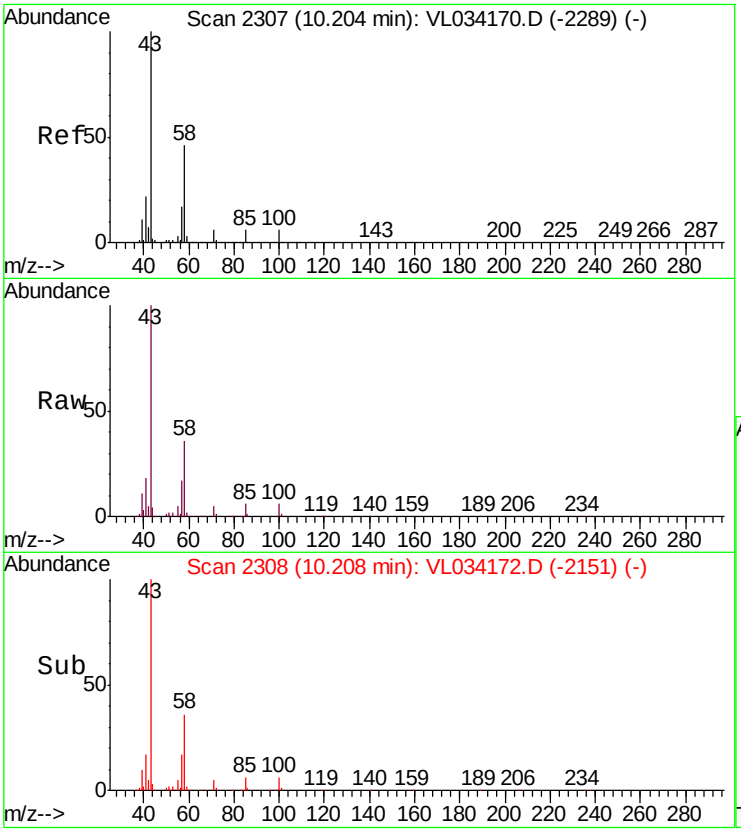


#50
4-Methyl-2-Pentanone
Concen: 1.114 ppbv
RT: 8.81 min Scan# 1873
Delta R.T. 0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 43 Resp: 366207

Ion	Ratio	Lower	Upper
43	100		
58	31.8	27.6	41.4



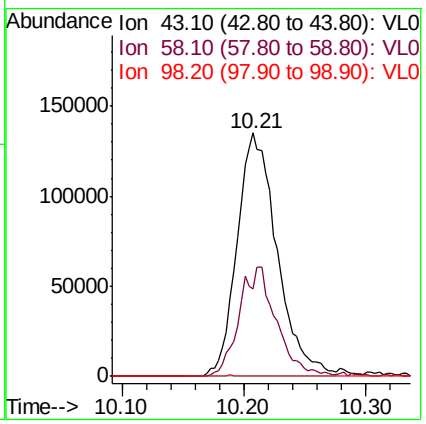


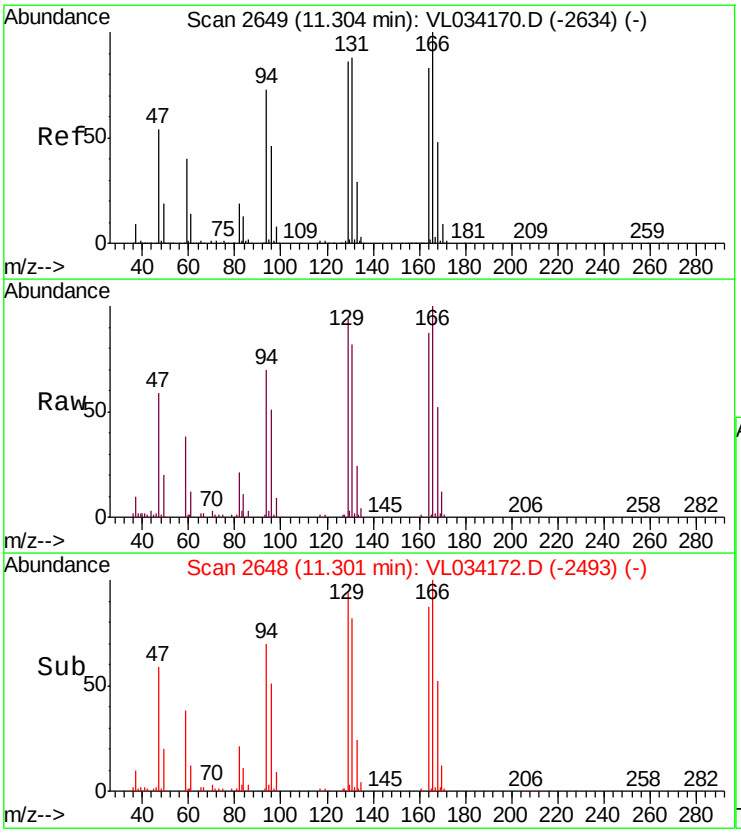
#51
2-Hexanone
Concen: 1.077 ppbv
RT: 10.21 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 305252

Ion	Ratio	Lower	Upper
43	100		
58	41.9	36.2	54.4
98	0.2	0.2	0.2#

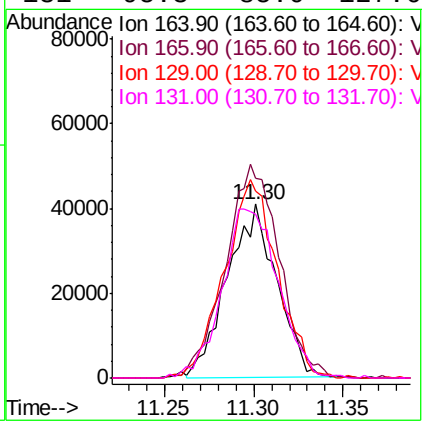


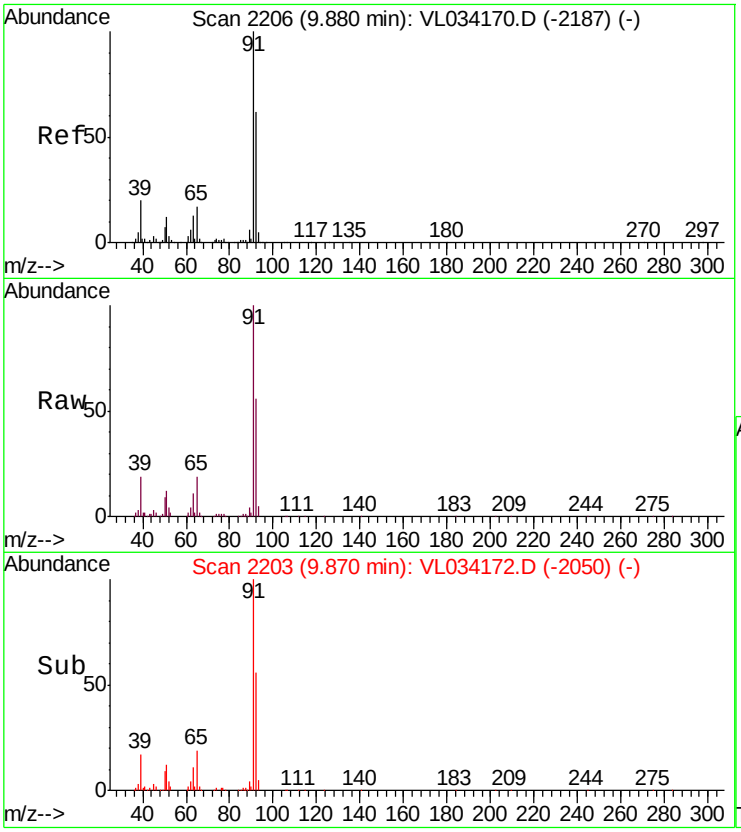


#52
Tetrachloroethene
Concen: 0.892 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:164 Resp: 79264

Ion	Ratio	Lower	Upper
164	100		
166	114.3	96.7	145.1
129	108.5	82.8	124.2
131	95.3	85.0	127.6



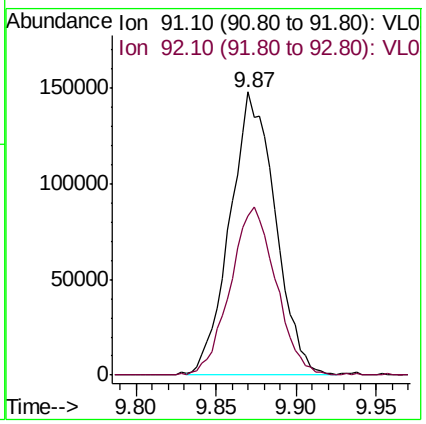


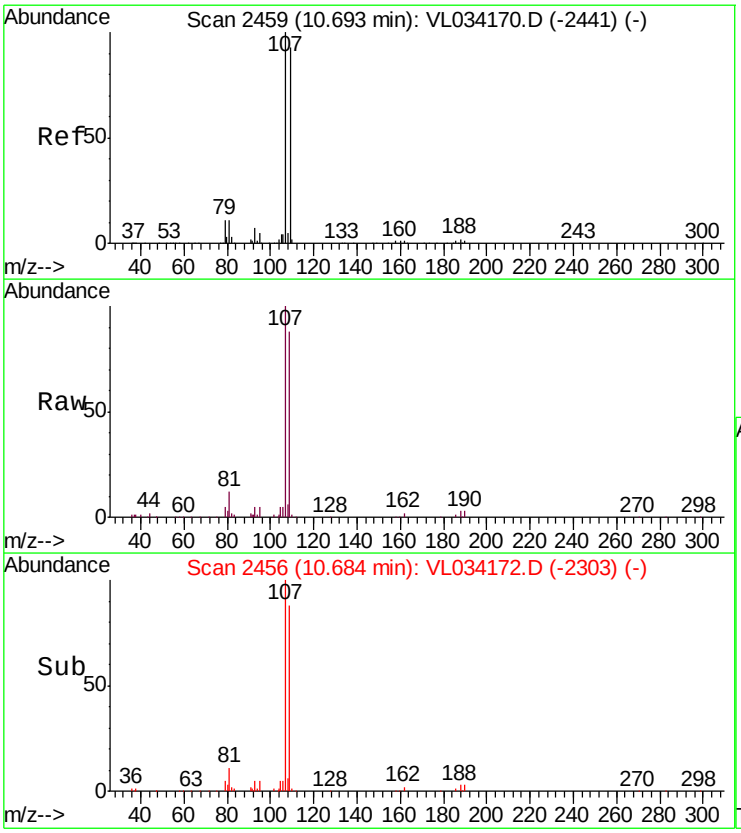
#53
Toluene
Concen: 1.015 ppbv
RT: 9.87 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 283418

Ion	Ratio	Lower	Upper
91	100		
92	60.6	49.0	73.6

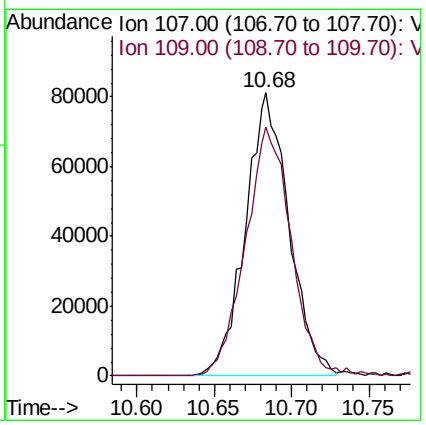


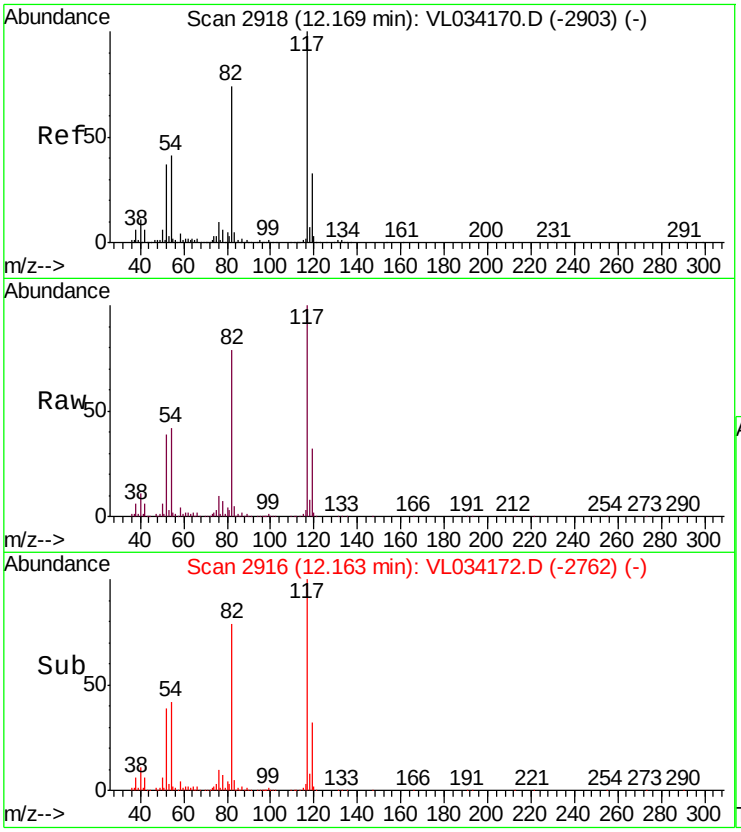


#54
1,2-Dibromoethane
Concen: 1.083 ppbv
RT: 10.68 min Scan# 2456
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:107 Resp: 159855

Ion	Ratio	Lower	Upper
107	100		
109	87.9	74.5	111.7



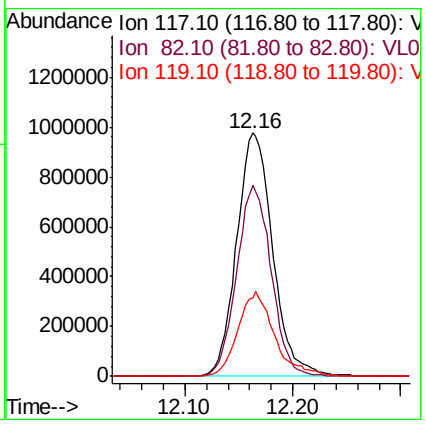


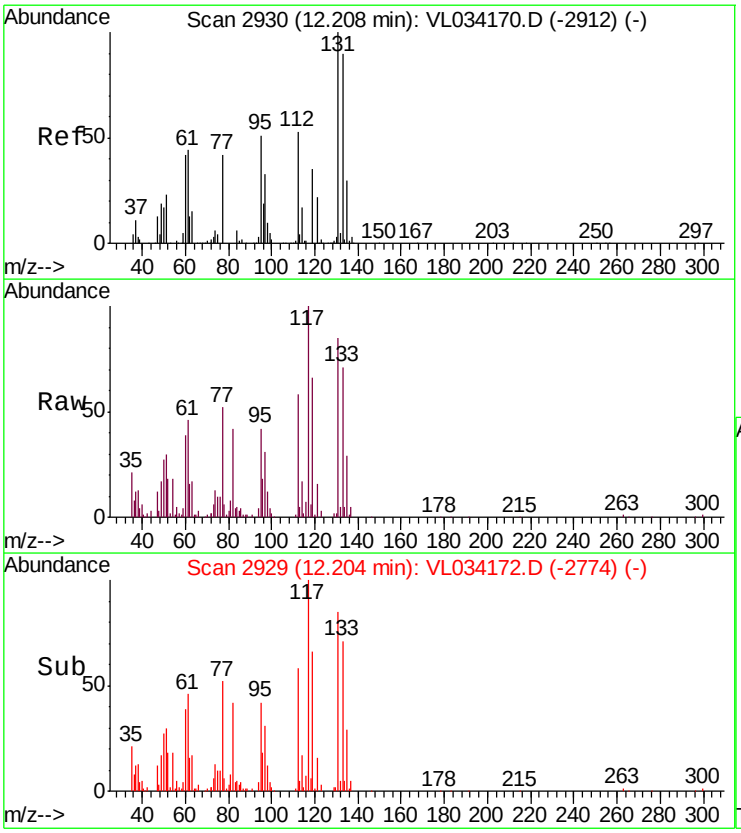
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 2267446

Ion	Ratio	Lower	Upper
117	100		
82	75.6	58.2	87.4
119	35.4	23.7	35.5

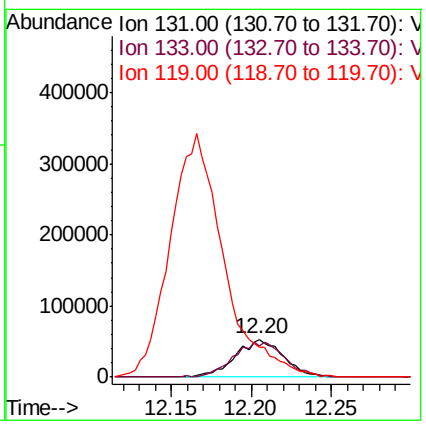


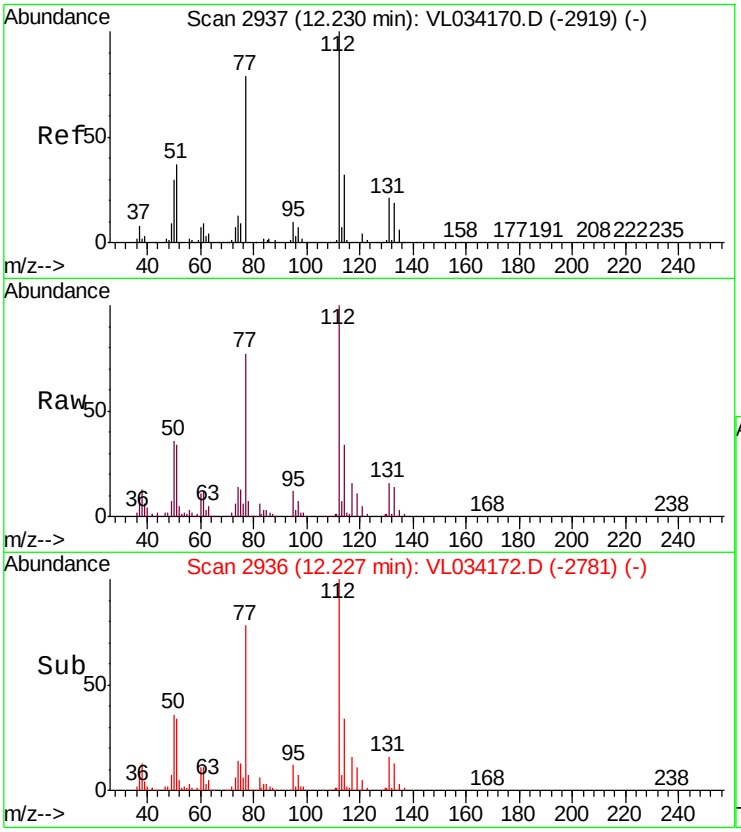


#56
1,1,1,2-Tetrachloroethane
Concen: 1.107 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:131 Resp: 108850

Ion	Ratio	Lower	Upper
131	100		
133	100.2	75.1	112.7
119	737.5	47.4	71.0#



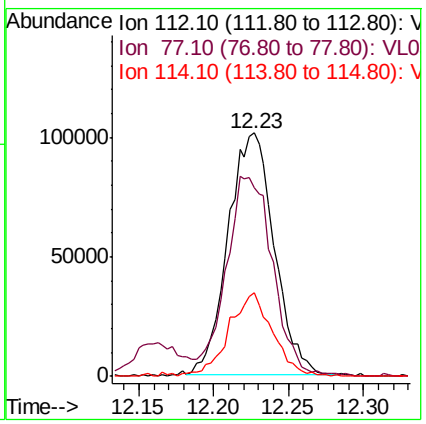


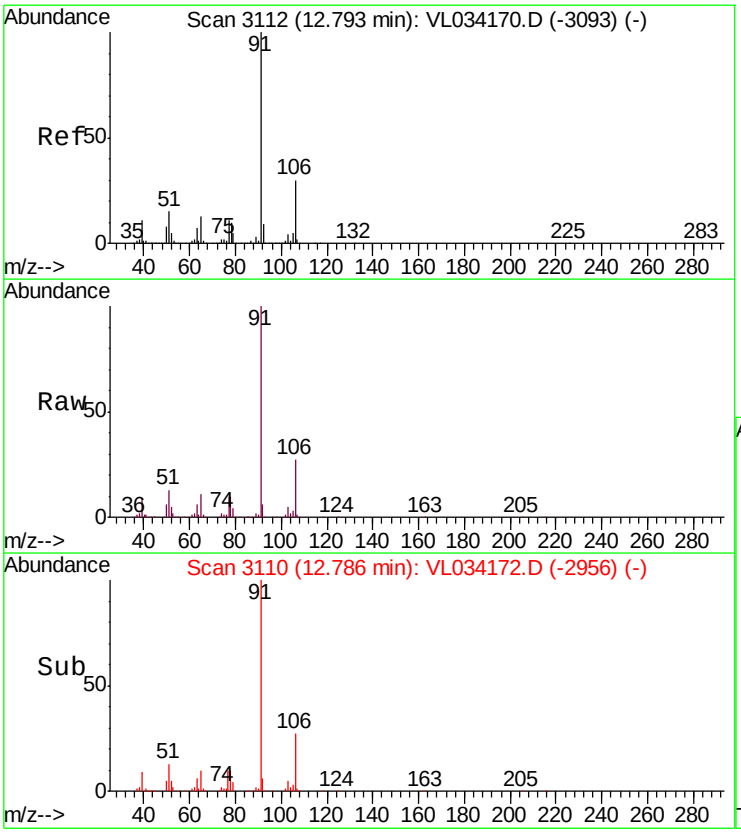
#57
Chlorobenzene
Concen: 1.113 ppbv
RT: 12.23 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 217804

Ion	Ratio	Lower	Upper
112	100		
77	76.6	64.3	96.5
114	33.8	28.9	35.3

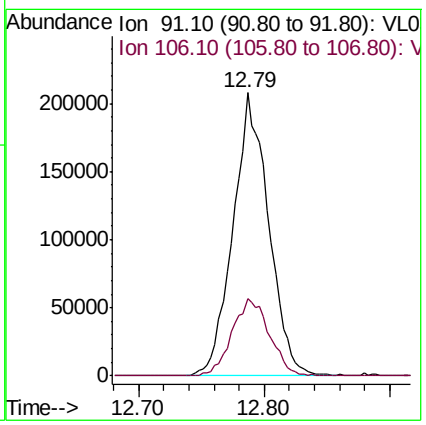


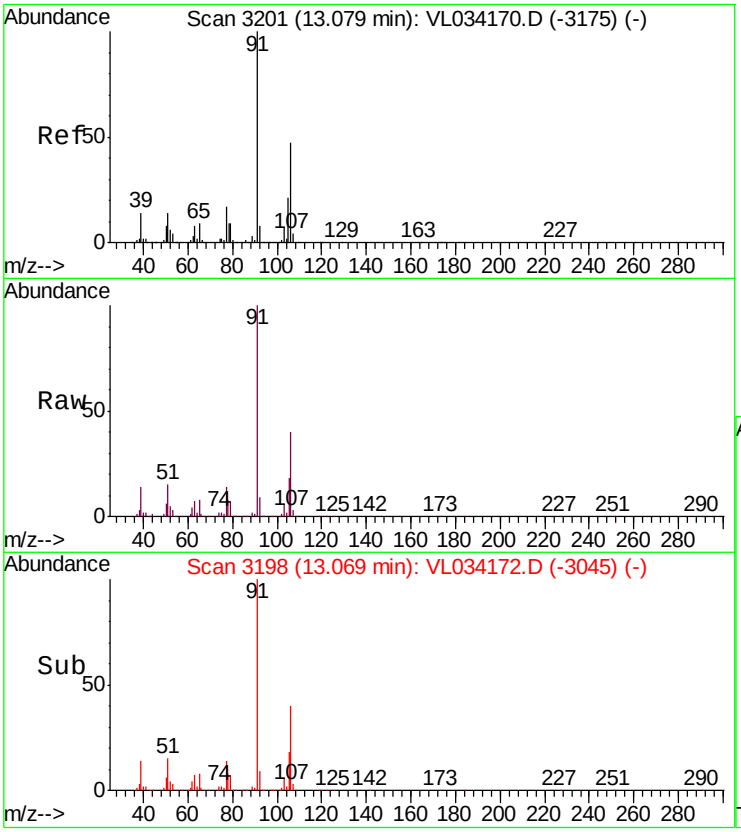


#58
Ethyl Benzene
Concen: 1.096 ppbv
RT: 12.79 min Scan# 3110
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 91 Resp: 408264

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.2	36.4



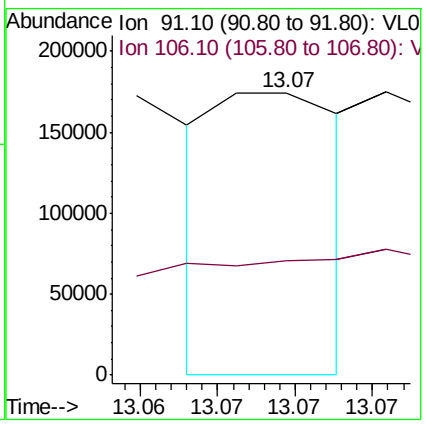


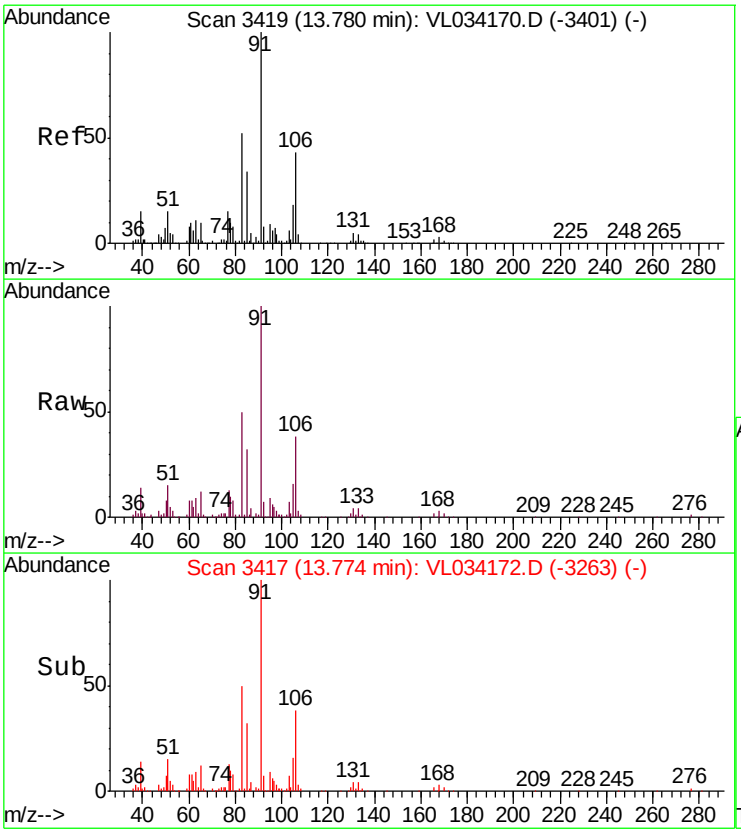
#59
m/p-Xylene
Concen: 0.322 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 97959

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

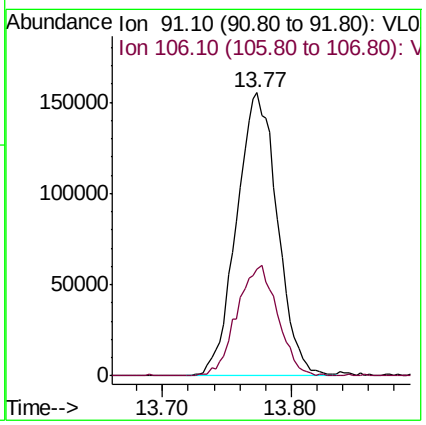


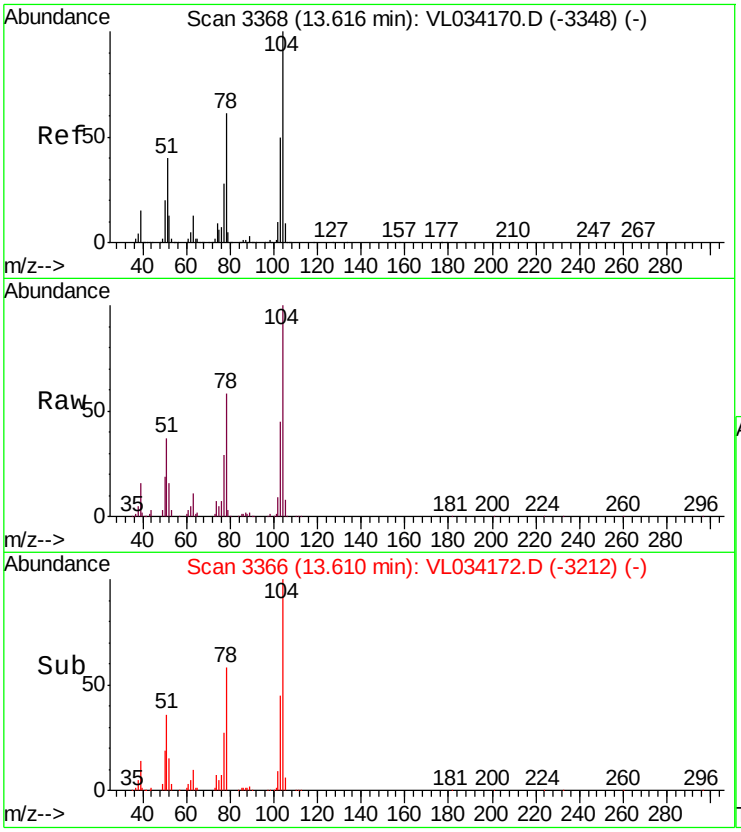


#60
o-Xylene
Concen: 1.131 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 91 Resp: 342965

Ion	Ratio	Lower	Upper
91	100		
106	39.2	21.2	63.6



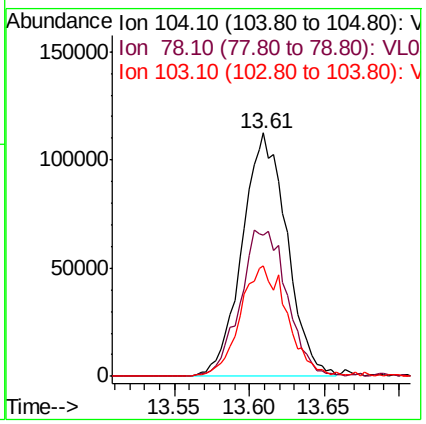


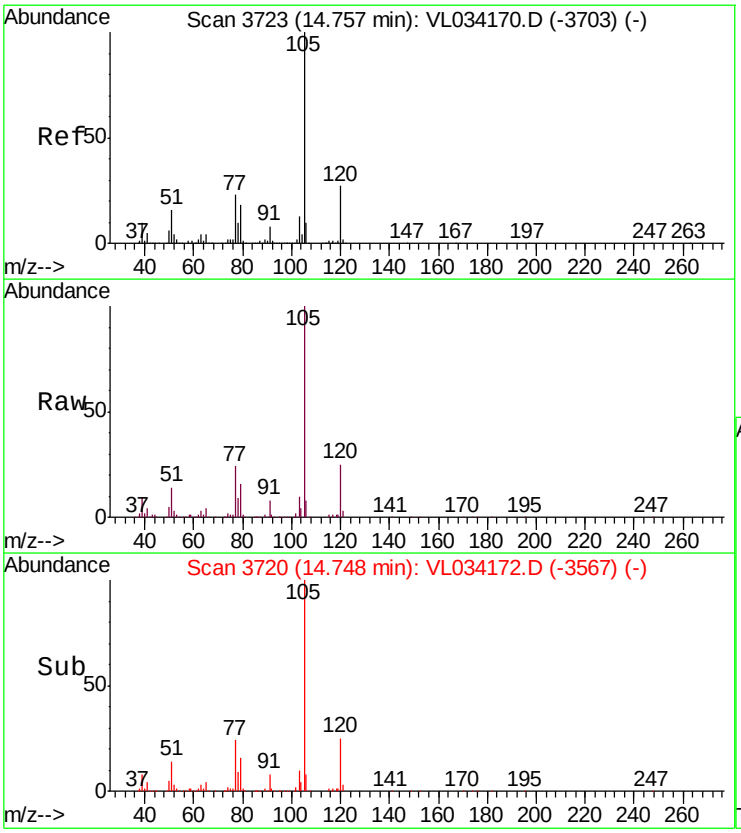
#61
Styrene
Concen: 1.037 ppbv
RT: 13.61 min Scan# 3366
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 233781

Ion	Ratio	Lower	Upper
104	100		
78	63.0	49.7	74.5
103	48.3	38.4	57.6

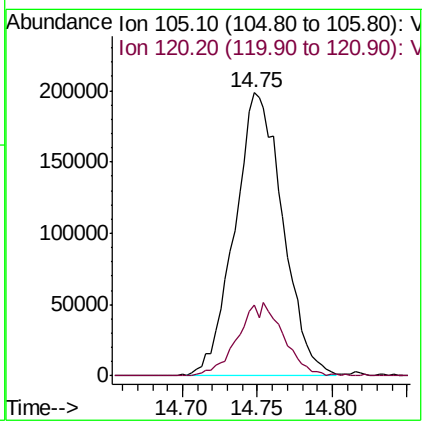


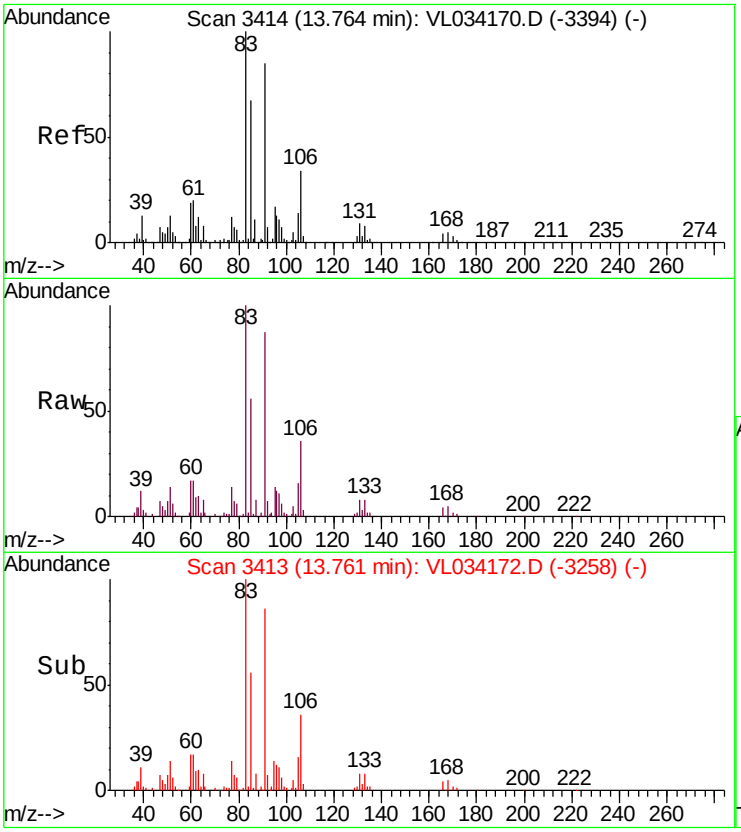


#62
Isopropylbenzene
Concen: 1.120 ppbv
RT: 14.75 min Scan# 3720
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:105 Resp: 441699

Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.7	31.1



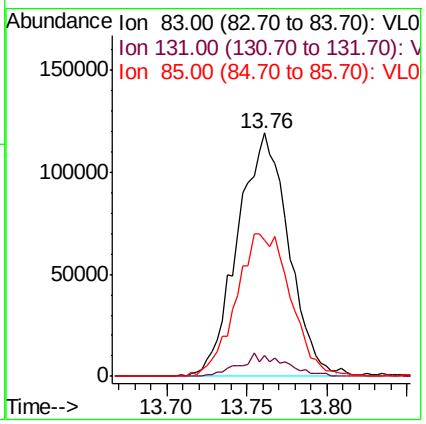


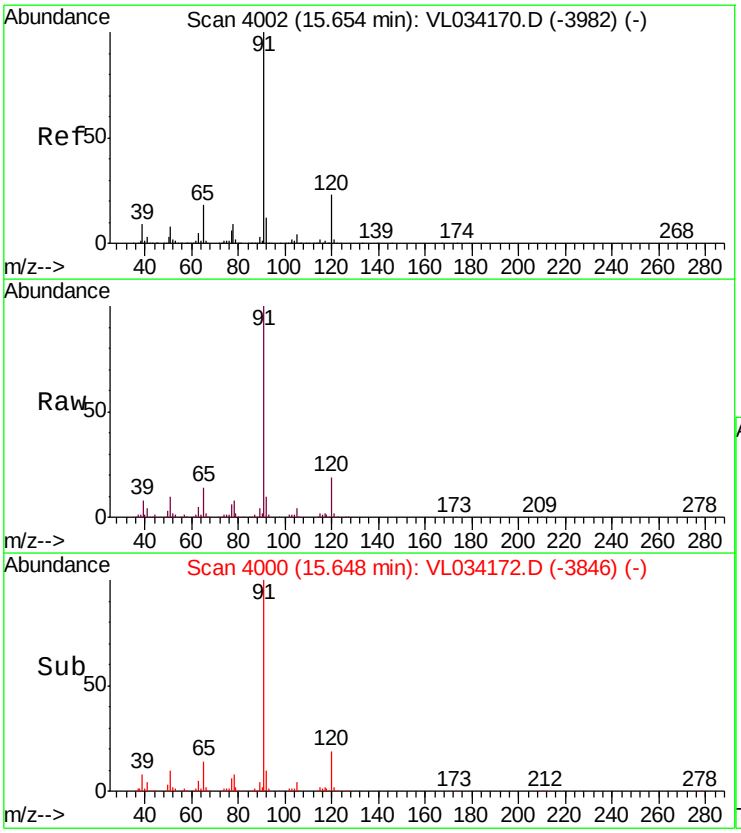
#63
1,1,2,2-Tetrachloroethane
Concen: 1.054 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 260728

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	63.0	32.8	98.4

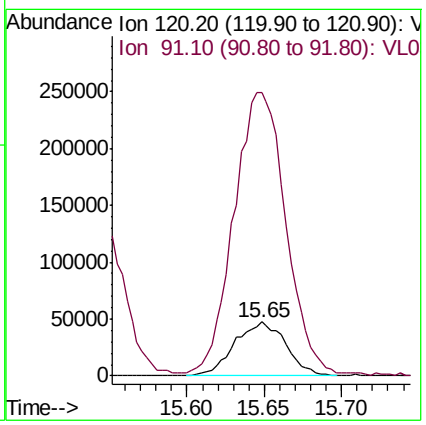


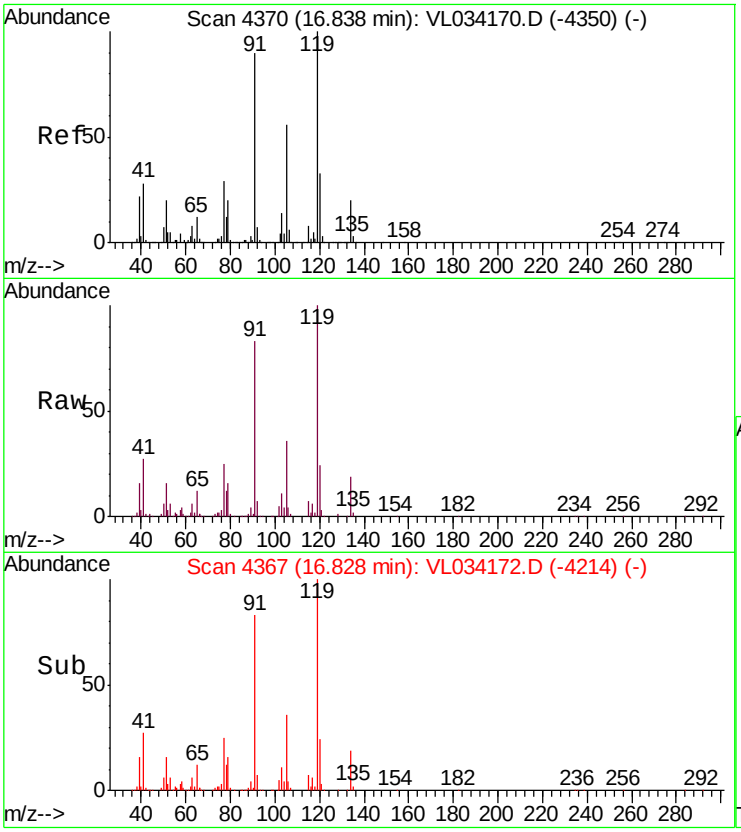


#64
n-propylbenzene
Concen: 1.098 ppbv
RT: 15.65 min Scan# 4000
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:120 Resp: 108581

Ion	Ratio	Lower	Upper
120	100		
91	540.6	378.2	567.2



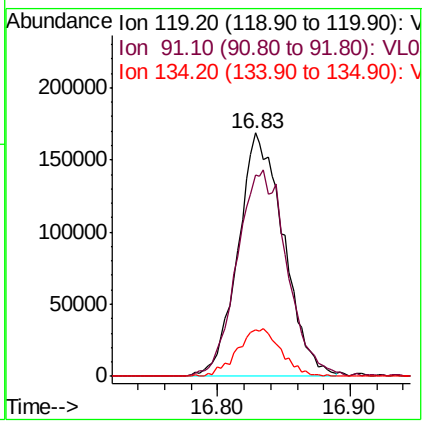


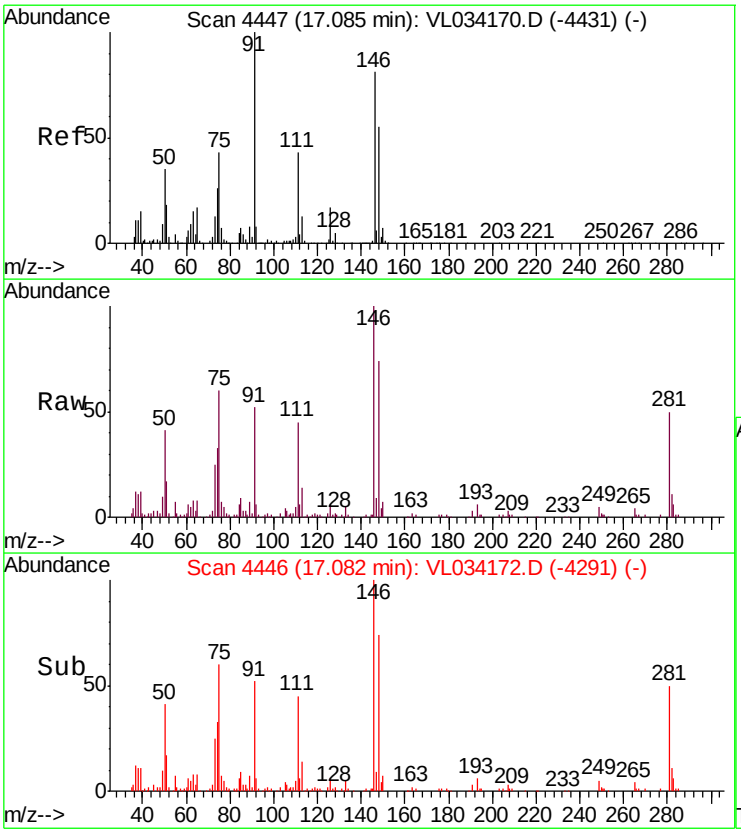
#65
tert-Butylbenzene
Concen: 1.182 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 403200

Ion	Ratio	Lower	Upper
119	100		
91	92.5	74.9	112.3
134	18.9	15.8	23.6

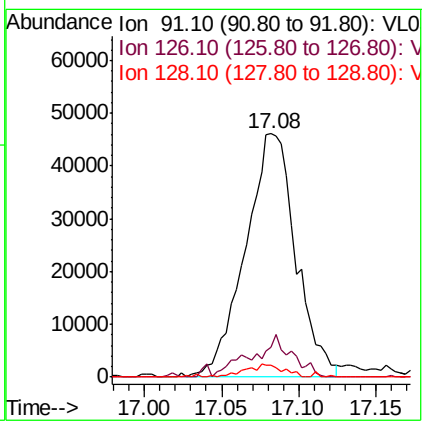


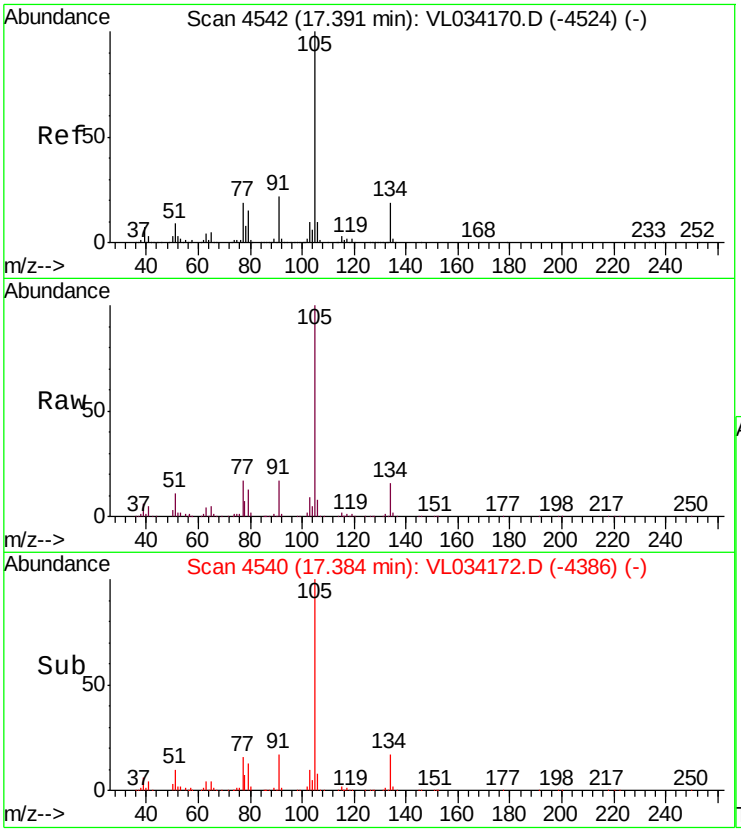


#66
Benzyl Chloride
Concen: 0.850 ppbv
RT: 17.08 min Scan# 4446
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 91 Resp: 104896

Ion	Ratio	Lower	Upper
91	100		
126	14.8	12.6	19.0
128	4.4	4.0	6.0



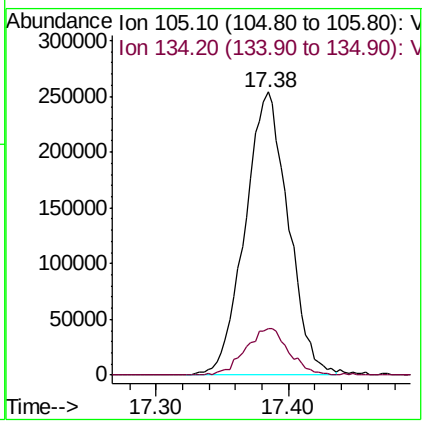


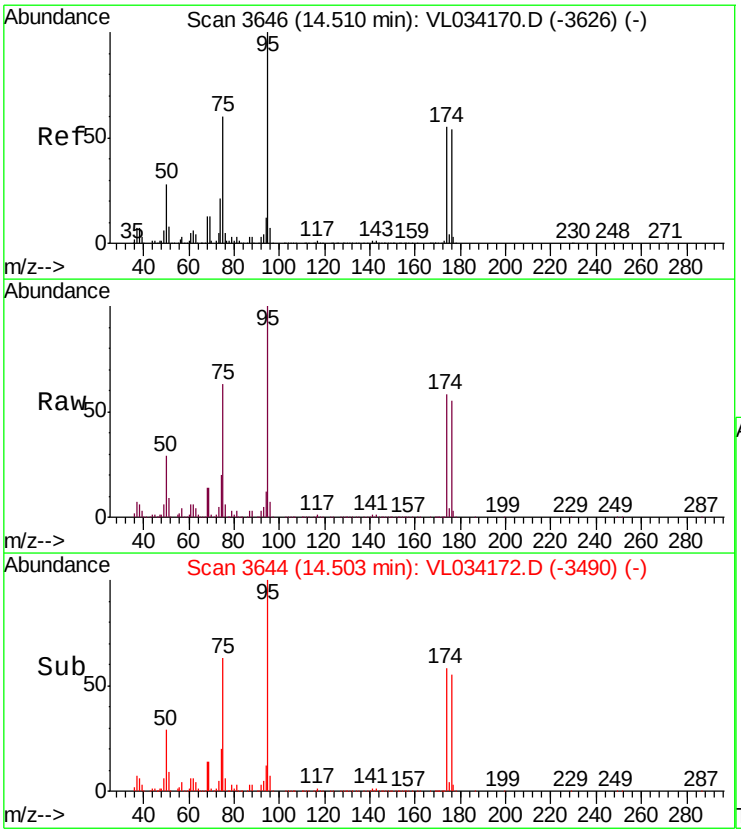
#67
sec-Butylbenzene
Concen: 1.165 ppbv
RT: 17.38 min Scan# 4540
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 572332

Ion	Ratio	Lower	Upper
105	100		
134	17.0	14.6	22.0

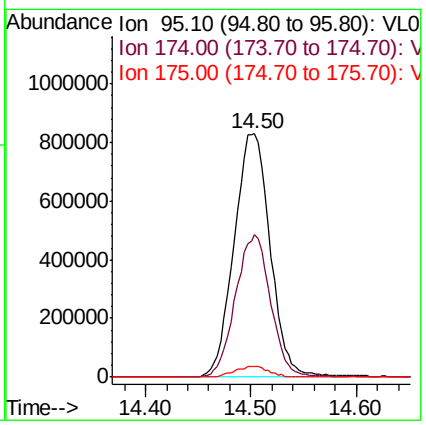


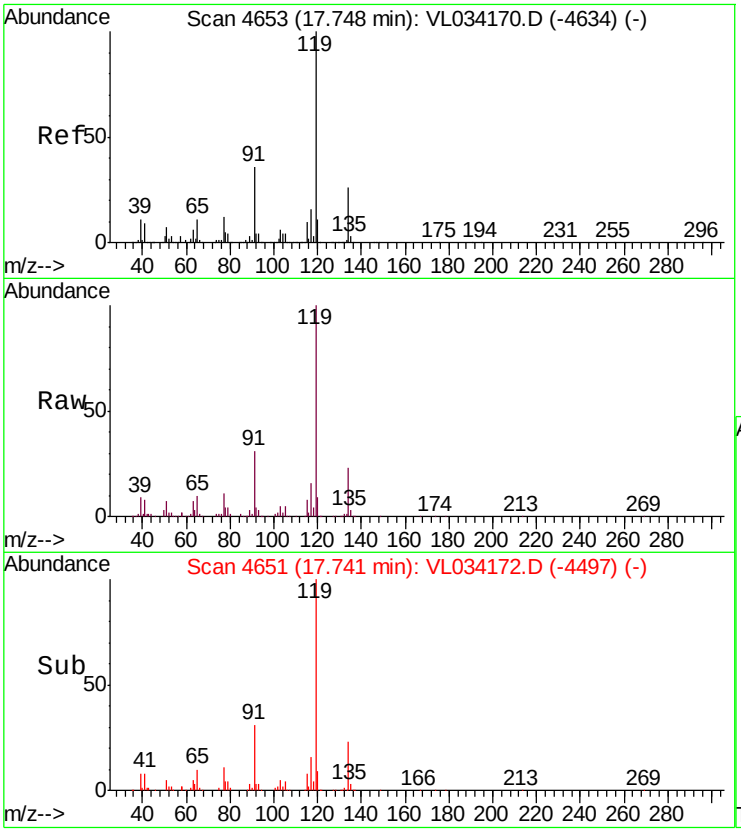


#68
1-Bromo-4-Fluorobenzene
Concen: 10.548 ppbv
RT: 14.50 min Scan# 3644
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 95 Resp: 1972201

Ion	Ratio	Lower	Upper
95	100		
174	57.1	45.1	67.7
175	4.2	3.3	4.9



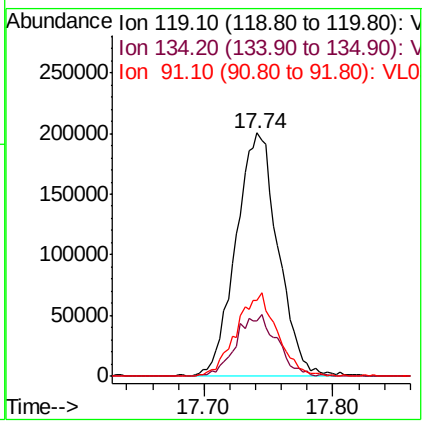


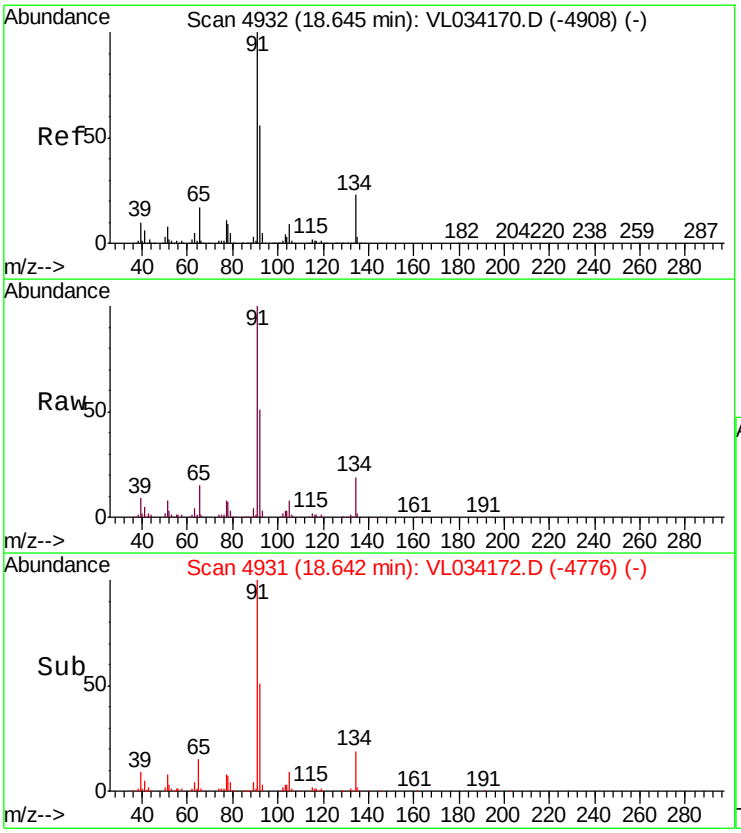
#69
p-Isopropyltoluene
Concen: 1.162 ppbv
RT: 17.74 min Scan# 4651
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:119 Resp: 456952

Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.6	30.8
91	33.3	27.6	41.4

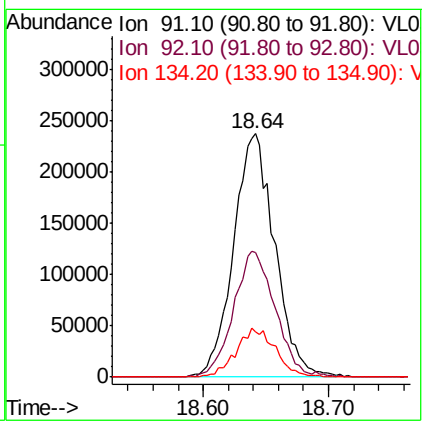


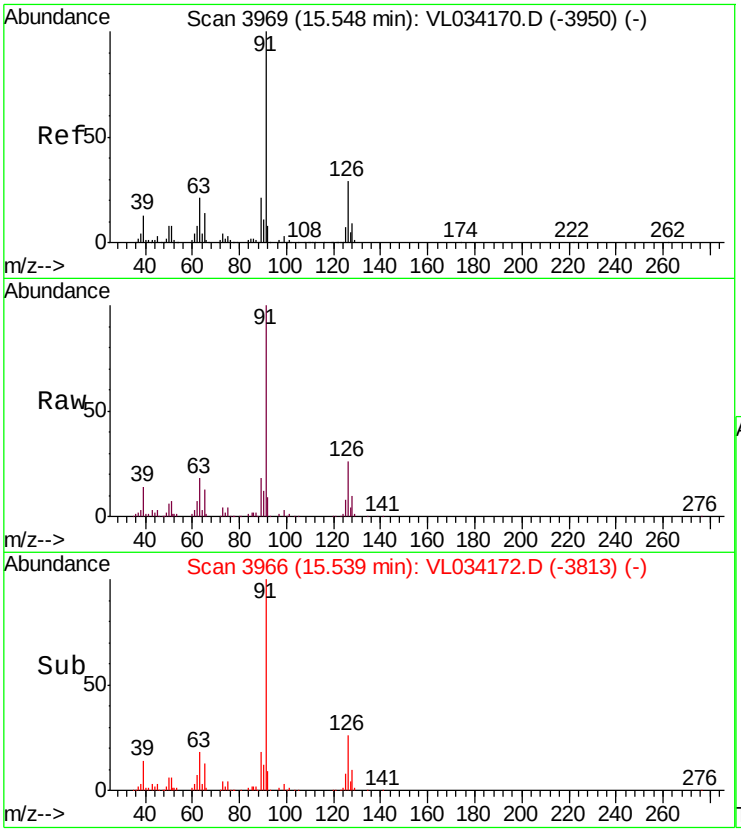


#70
n-Butylbenzene
Concen: 1.202 ppbv
RT: 18.64 min Scan# 4931
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 91 Resp: 540360

Ion	Ratio	Lower	Upper
91	100		
92	52.7	44.8	67.2
134	19.2	17.3	25.9



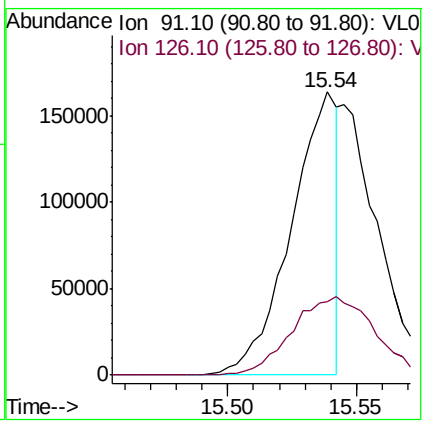


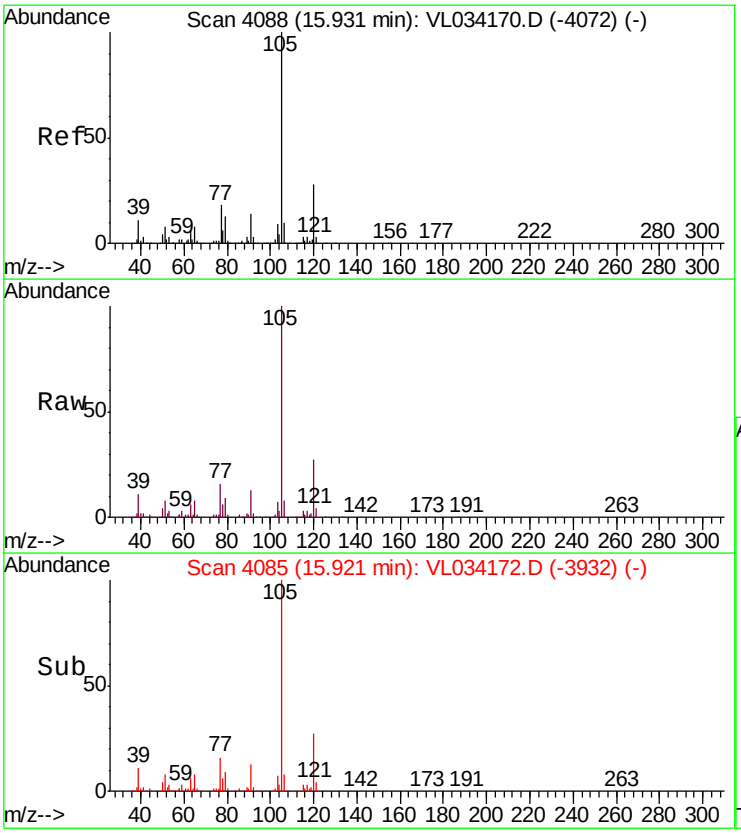
#71
2-Chlorotoluene
Concen: 0.631 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 203346

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.2	45.0#

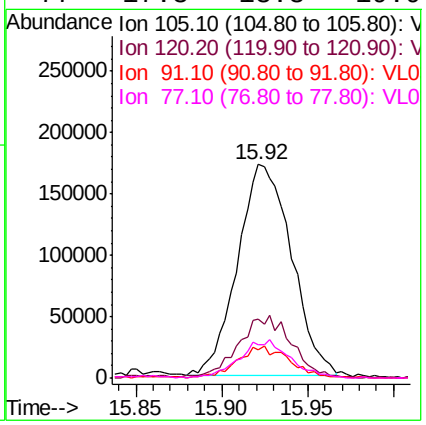


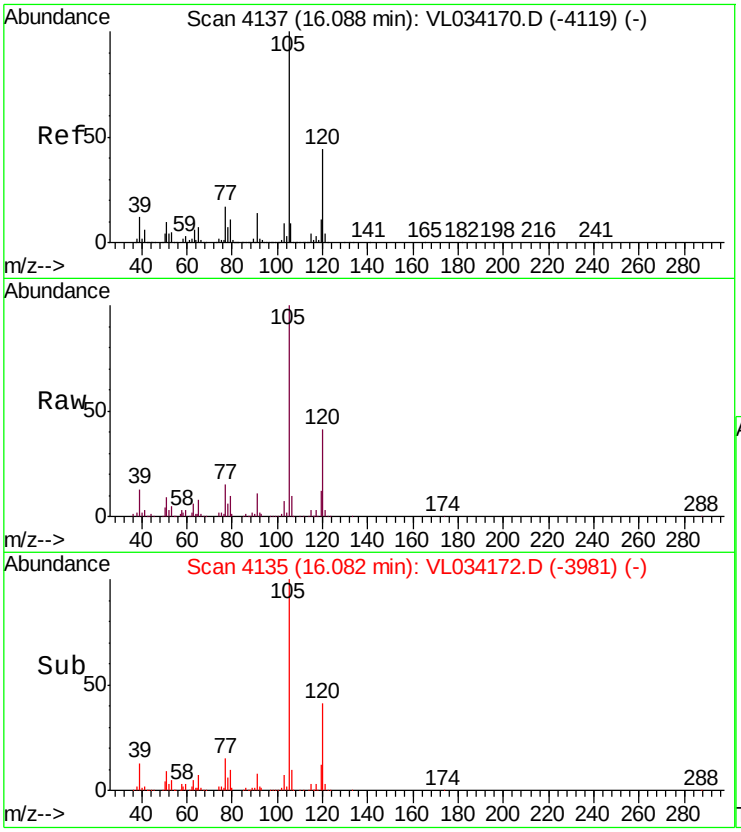


#72
4-Ethyltoluene
Concen: 1.091 ppbv
RT: 15.92 min Scan# 4085
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:105 Resp: 373522

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.3	34.9
91	15.5	11.4	17.2
77	17.3	13.3	19.9



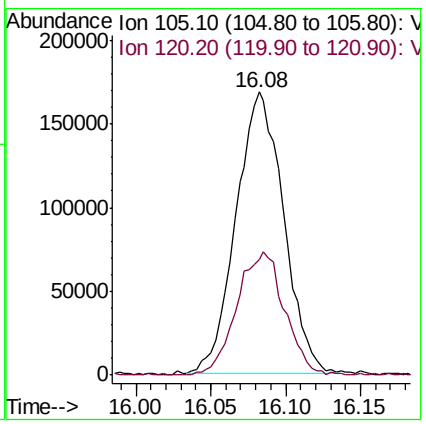


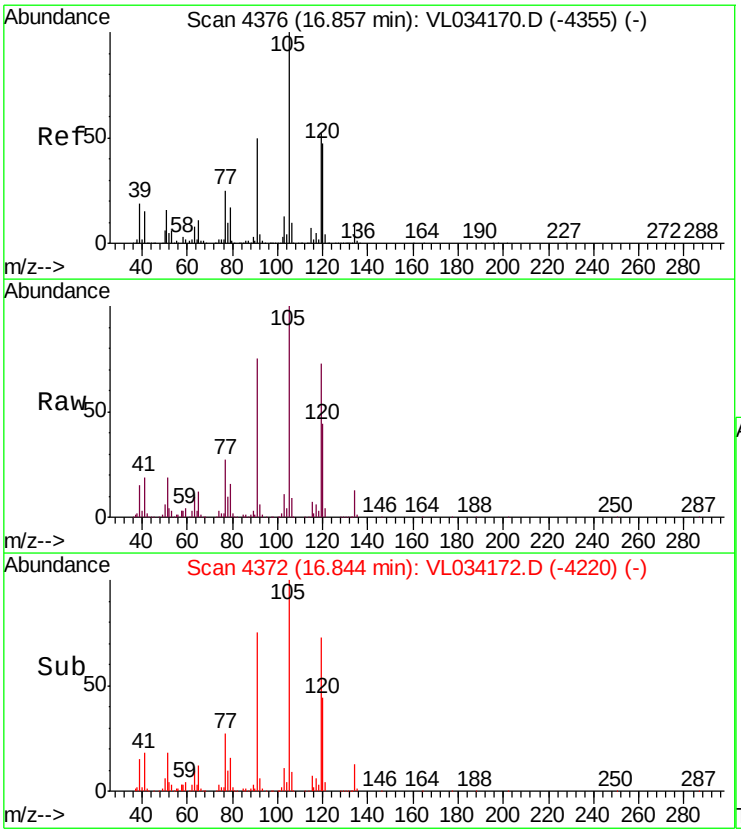
#73
1,3,5-Trimethylbenzene
Concen: 1.117 ppbv
RT: 16.08 min Scan# 4135
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 371692

Ion	Ratio	Lower	Upper
105	100		
120	41.0	35.6	53.4

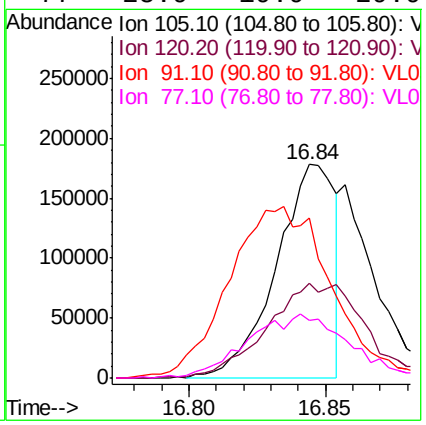


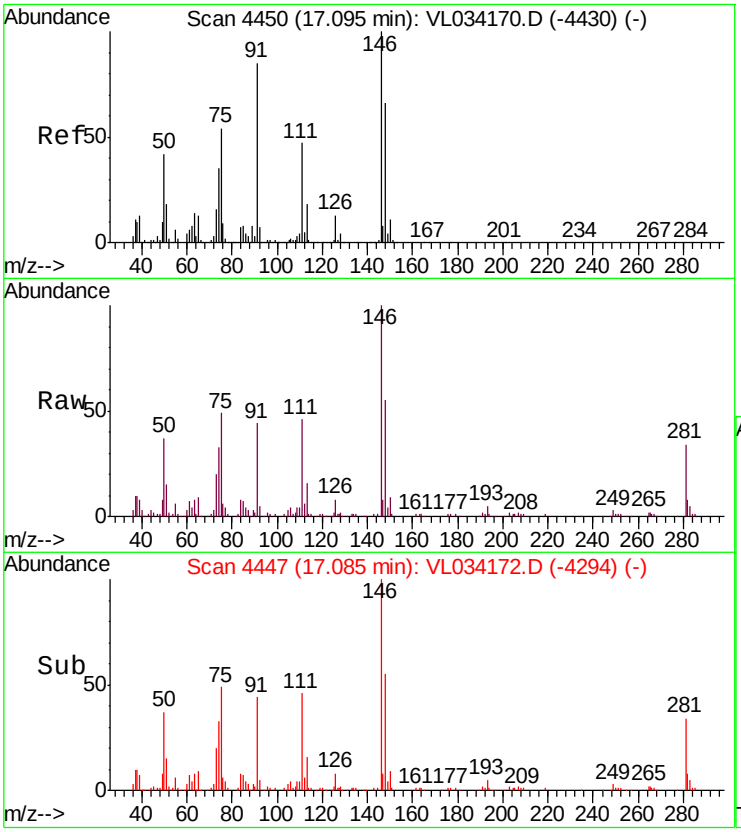


#74
1,2,4-Trimethylbenzene
Concen: 0.772 ppbv
RT: 16.84 min Scan# 4372
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:105 Resp: 265557

Ion	Ratio	Lower	Upper
105	100		
120	43.3	37.5	56.3
91	64.4	41.1	61.7#
77	25.9	19.9	29.9



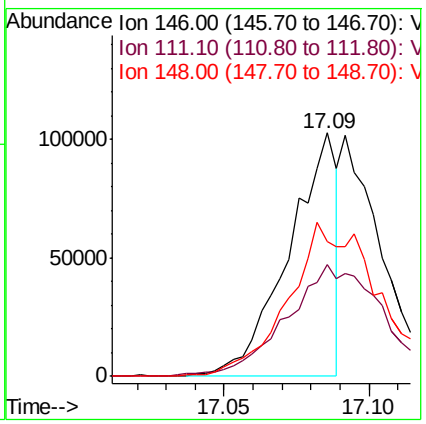


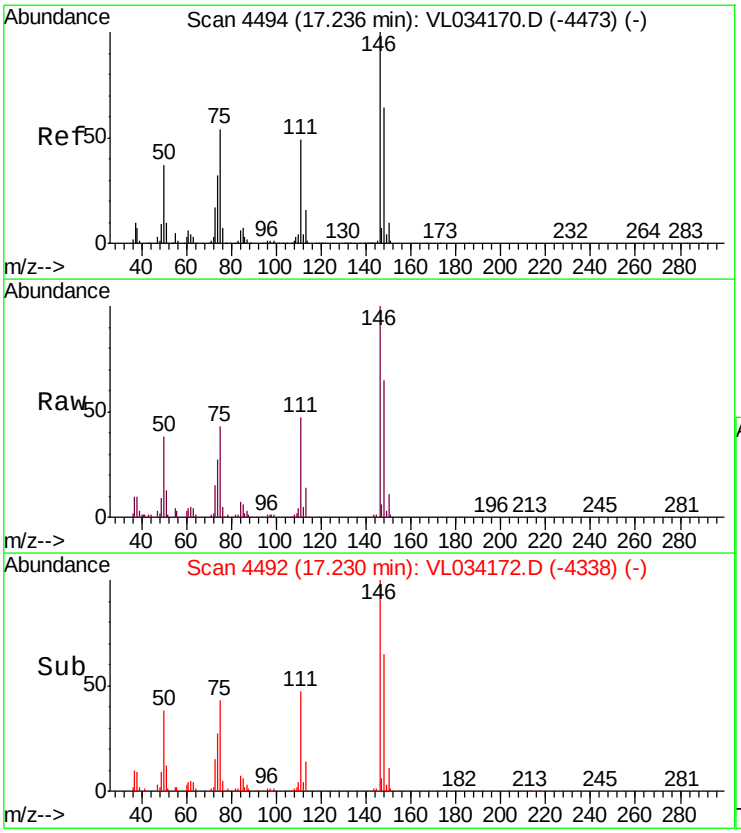
#75
1,3-Dichlorobenzene
Concen: 0.656 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 119503

Ion	Ratio	Lower	Upper
146	100		
111	90.2	25.9	77.8#
148	116.4	32.6	97.7#

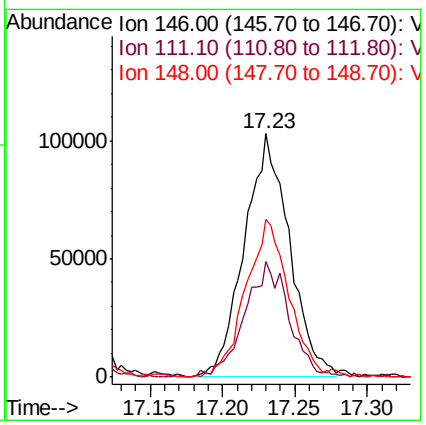


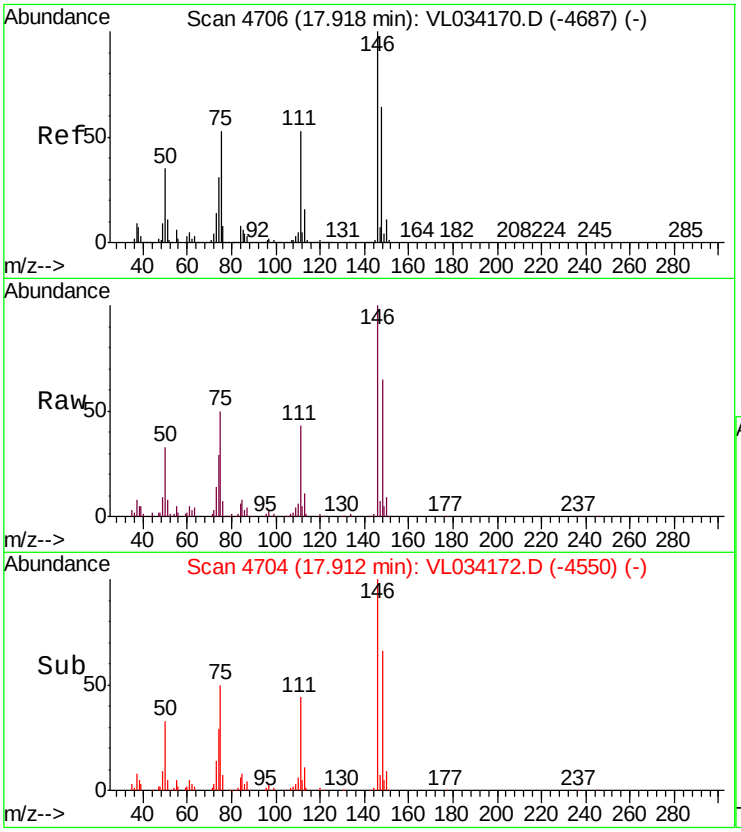


#76
1,4-Dichlorobenzene
Concen: 1.168 ppbv
RT: 17.23 min Scan# 4492
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:146 Resp: 222630

Ion	Ratio	Lower	Upper
146	100		
111	47.2	24.6	74.0
148	62.9	32.4	97.0



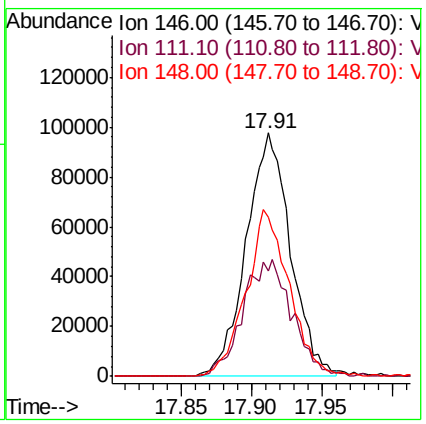


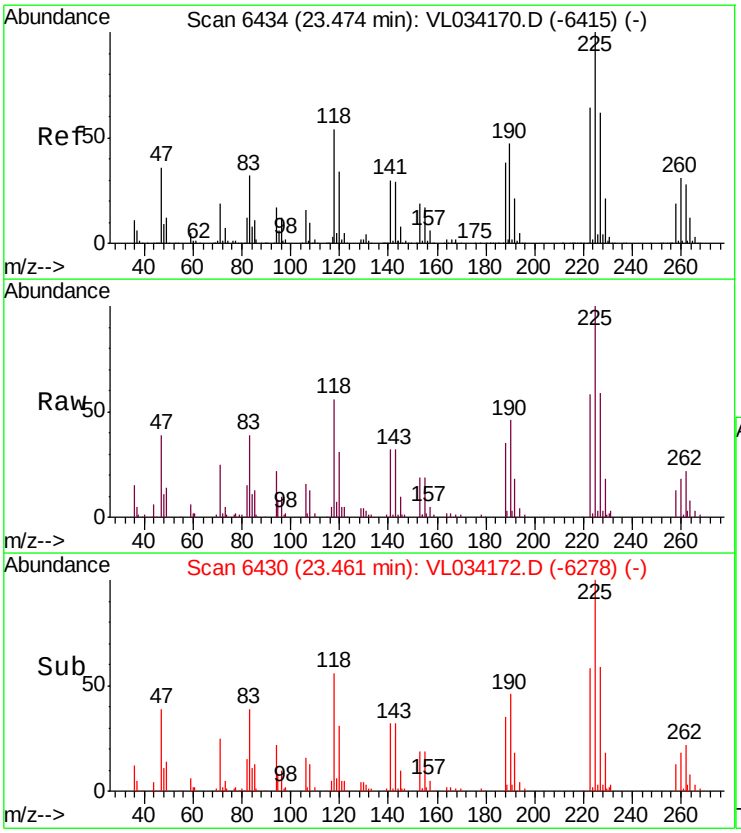
#77
1,2-Dichlorobenzene
Concen: 1.151 ppbv
RT: 17.91 min Scan# 4704
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 214503

Ion	Ratio	Lower	Upper
146	100		
111	53.3	26.1	78.3
148	67.2	31.9	95.9

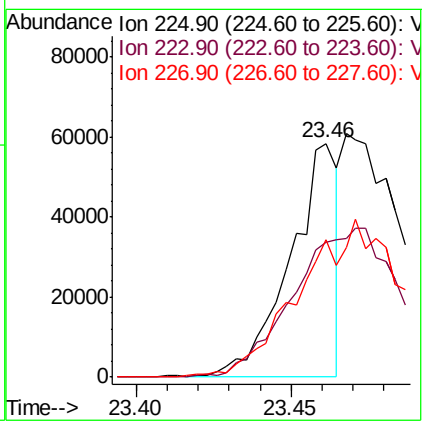


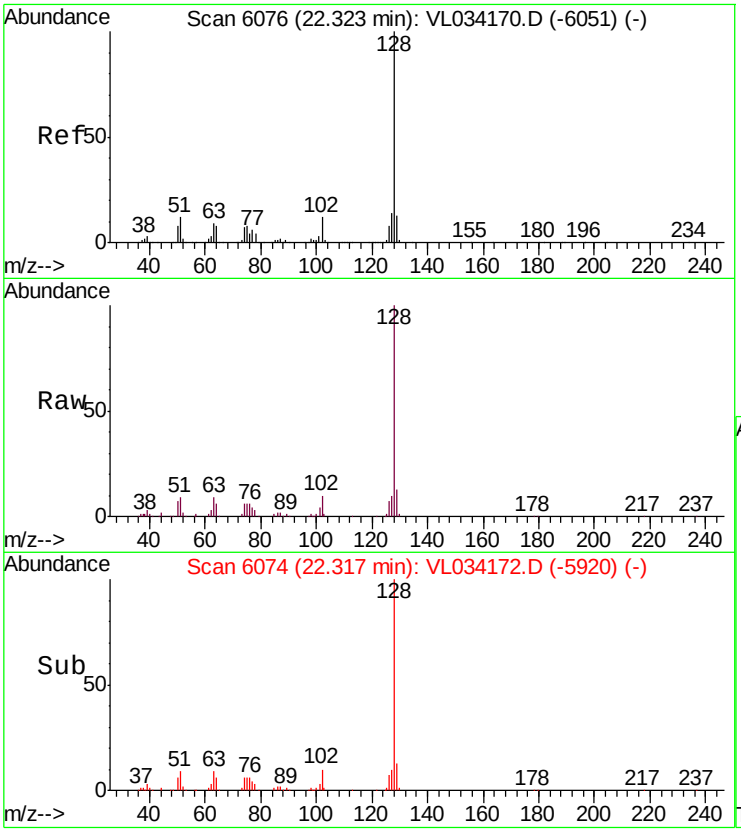


#78
Hexachloro-1,3-Butadiene
Concen: 0.494 ppbv
RT: 23.46 min Scan# 6430
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:225 Resp: 62077

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.7	77.5#
227	0.0	52.1	78.1#



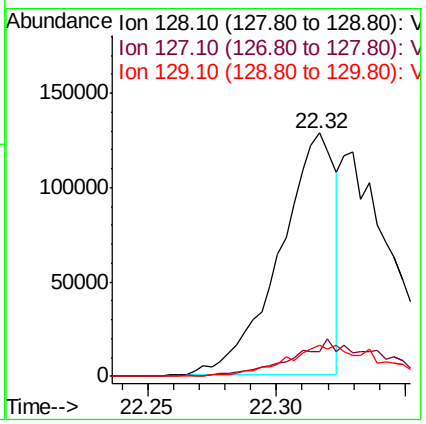


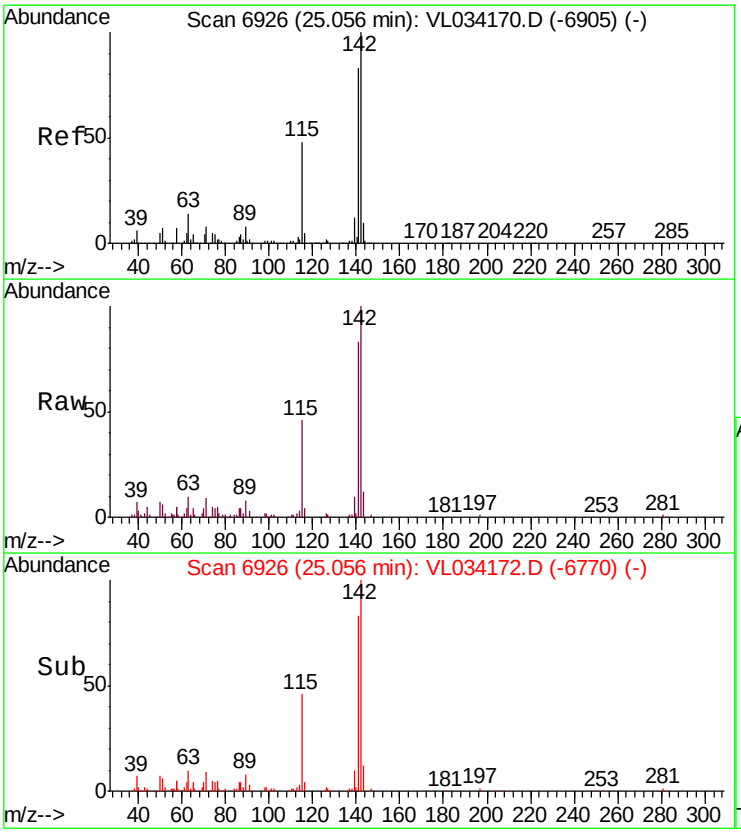
#79
Naphthalene
Concen: 0.623 ppbv
RT: 22.32 min Scan# 6074
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 191700

Ion	Ratio	Lower	Upper
128	100		
127	9.7	11.1	16.7#
129	12.9	10.2	15.4

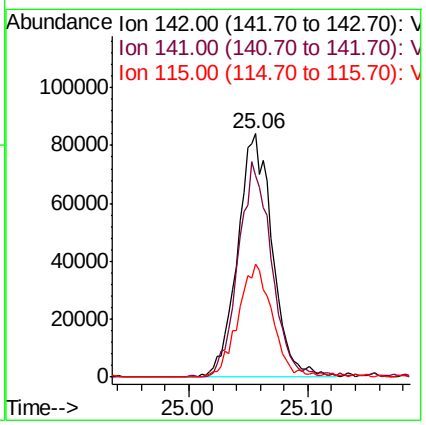


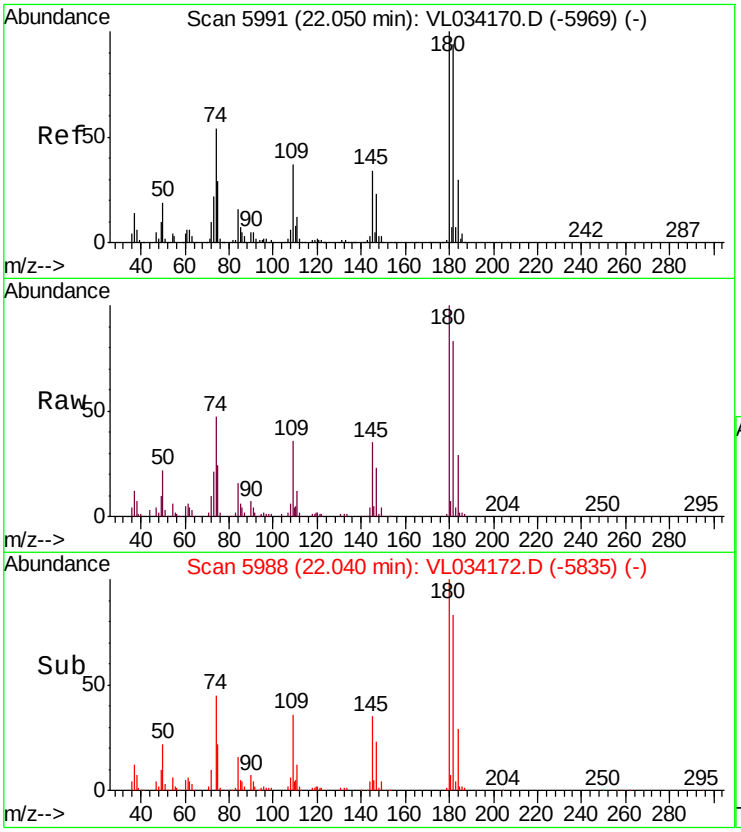


#80
Naphthalene,2-methyl-
Concen: 1.625 ppbv
RT: 25.06 min Scan# 6926
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion:142 Resp: 169283

Ion	Ratio	Lower	Upper
142	100		
141	85.4	67.6	101.4
115	46.4	36.9	55.3





#81
1,2,4-Trichlorobenzene
Concen: 1.155 ppbv
RT: 22.04 min Scan# 5988
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 194134

Ion	Ratio	Lower	Upper
180	100		
182	98.0	77.4	116.2
184	31.5	25.0	37.4