Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

Quantitation Report (Not Reviewed)

Data File : VL033301.D
Acq On : 13 Mar 2019 17:49
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 13 20:09:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 17:31:13 2019
QLast Update : Wed Mar 13 17:31:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	794562	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1823005	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2048235	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1573088	9.95	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	179964	1.121	ppbv	97
3) Chlorodifluoromethane	3.01	51	109428	1.038	ppbv	100
4) Chloromethane	3.17	50	59301	1.052	ppbv	100
5) Vinyl Chloride	3.29	62	56474	1.026	ppbv	92
6) Bromomethane	3.52	94	35338	1.051	ppbv	98
7) Chloroethane	3.60	64	20315	1.021	ppbv #	88
8) Dichlorotetrafluoroethane	3.22	85	147623	1.088	ppbv	99
9) Propene	3.03	41	49524	1.031	ppbv	97
10) Heptane	8.25	43	111842	1.033	ppbv	98
11) Trichlorofluoromethane	4.00	101	156207	0.983	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	106364	1.170	ppbv	93
13) Ethanol	3.66	45	9867	0.673	ppbv #	57
14) Bromoethene	3.79	108	43103	1.017	ppbv	98
15) Acetone	3.91	43	122934	1.009	ppbv	97
16) 1,3-Butadiene	3.36	39	44332	1.007	ppbv	87
17) tert-Butyl alcohol	4.34	59	562	0.034	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	43614	1.084	ppbv	97
19) Isopropyl Alcohol	4.03	45	71857	0.976	ppbv #	95
20) Methylene Chloride	4.41	84	26275	0.648	ppbv	97
21) Allyl Chloride	4.48	41	64823	1.070	ppbv	94
22) trans-1,2-Dichloroethene	4.96	96	45256	1.055	ppbv	84
23) Vinyl Acetate	5.16	43	158070	1.035	ppbv	98
24) 1,1-Dichloroethane	5.09	63	117826	1.064	ppbv	96
25) Ethyl Acetate	5.77	43	209067	1.113	ppbv	98
26) Hexane	5.78	57	102007	1.157	ppbv	93
27) Carbon Disulfide	4.62	76	95960	1.026	ppbv	96
28) Methyl tert-Butyl Ether	5.12	73	133379	1.066	ppbv	100
29) Chloroform	5.84	83	150544	1.122	ppbv	94
30) Cyclohexane	7.25	84	71990	1.053	ppbv	95
31) cis-1,2-Dichloroethene	5.64	61	90595	1.072	ppbv	97
32) 1,1,1-Trichloroethane	6.61	97	136612	1.045	ppbv	97
34) 2-Butanone	5.33	43	132200	1.097	ppbv	98
35) Carbon Tetrachloride	7.13	117	140304	1.053	ppbv	96
36) Benzene	7.00	78	183124	1.089	ppbv	99
37) 1,2-Dichloroethane	6.41	62	115874	1.149	ppbv	99
38) Trichloroethene	7.95	130	35954	0.549	ppbv	93
39) 1,2-Dichloropropane	7.73	63	67460	1.066	ppbv	88
40) 1,4-Dioxane	7.97	88	22507	0.945	ppbv #	37
41) Tetrahydrofuran	6.16	42	71050	1.062	ppbv	99
42) Bromodichloromethane	7.91	83	151172	1.089	ppbv #	95
43) Methyl Methacrylate	8.14	69	68473	1.045	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

Quantitation Report (Not Reviewed)

Data File : VL033301.D
Acq On : 13 Mar 2019 17:49
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 13 20:09:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 17:31:13 2019
QLast Update : Wed Mar 13 17:31:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	321525	1.126	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	74405	0.924	ppbv		95
46) cis-1,3-Dichloropropene	8.83	75	94764	1.004	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	74920	1.109	ppbv		94
48) Dibromochloromethane	10.45	129	125155	1.130	ppbv		97
49) Bromoform	13.20	173	97994	1.091	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	186613	1.085	ppbv		99
51) 2-Hexanone	10.28	43	133711	1.018	ppbv	#	100
52) Tetrachloroethene	11.37	164	73099	1.186	ppbv		90
53) Toluene	9.94	91	204524	1.055	ppbv		99
54) 1,2-Dibromoethane	10.76	107	122805	1.183	ppbv		92
56) 1,1,1,2-Tetrachloroethane	12.28	131	59481	0.683	ppbv	#	34
57) Chlorobenzene	12.30	112	177695	1.150	ppbv		97
58) Ethyl Benzene	12.86	91	308845	1.097	ppbv		95
59) m/p-Xylene	13.14	91	243875	1.036	ppbv	#	100
60) o-Xylene	13.85	91	251951	1.113	ppbv		98
61) Styrene	13.68	104	168201	1.044	ppbv		99
62) Isopropylbenzene	14.82	105	352768	1.119	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	172804	1.139	ppbv		99
64) n-propylbenzene	15.72	120	86993	1.121	ppbv		97
65) tert-Butylbenzene	16.90	119	298210	1.120	ppbv		97
66) Benzyl Chloride	17.15	91	79836	0.774	ppbv		96
67) sec-Butylbenzene	17.46	105	420384	1.110	ppbv		100
69) p-Isopropyltoluene	17.81	119	198087	0.647	ppbv	#	47
70) n-Butylbenzene	18.71	91	349683	1.064	ppbv		97
71) 2-Chlorotoluene	15.62	91	258577	1.088	ppbv		100
72) 4-Ethyltoluene	16.00	105	254720	1.042	ppbv		96
73) 1,3,5-Trimethylbenzene	16.16	105	236105	1.025	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	103438	0.441	ppbv		96
75) 1,3-Dichlorobenzene	17.16	146	88694	0.631	ppbv	#	28
76) 1,4-Dichlorobenzene	17.30	146	155128	1.116	ppbv		98
77) 1,2-Dichlorobenzene	17.99	146	75399	0.539	ppbv	#	20
78) Hexachloro-1,3-Butadiene	23.54	225	119797	1.027	ppbv		99
79) Naphthalene	22.41	128	55135	0.217	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	6760	0.097	ppbv	#	85
81) 1,2,4-Trichlorobenzene	22.14	180	59010	0.441	ppbv	#	37

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

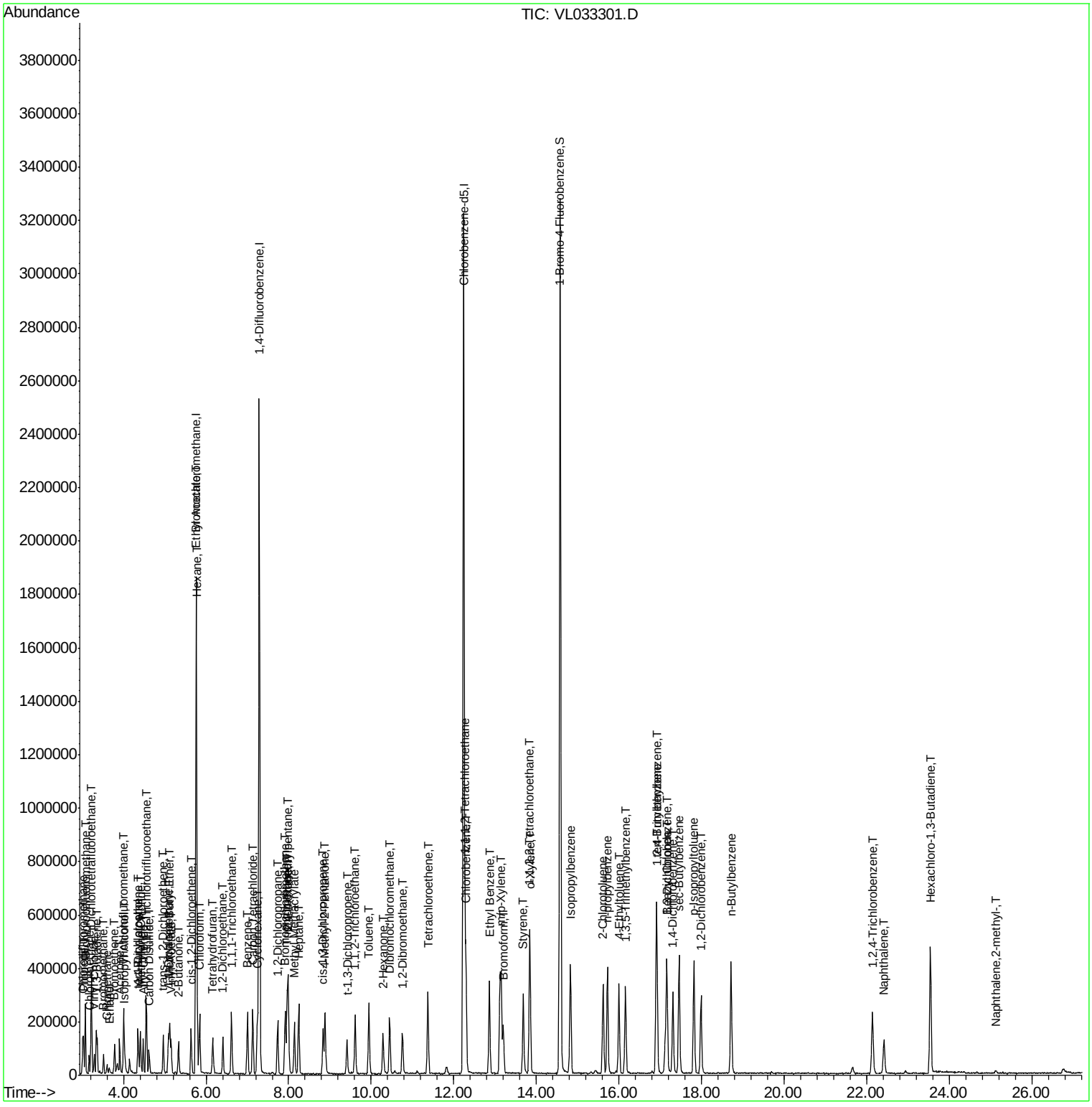
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

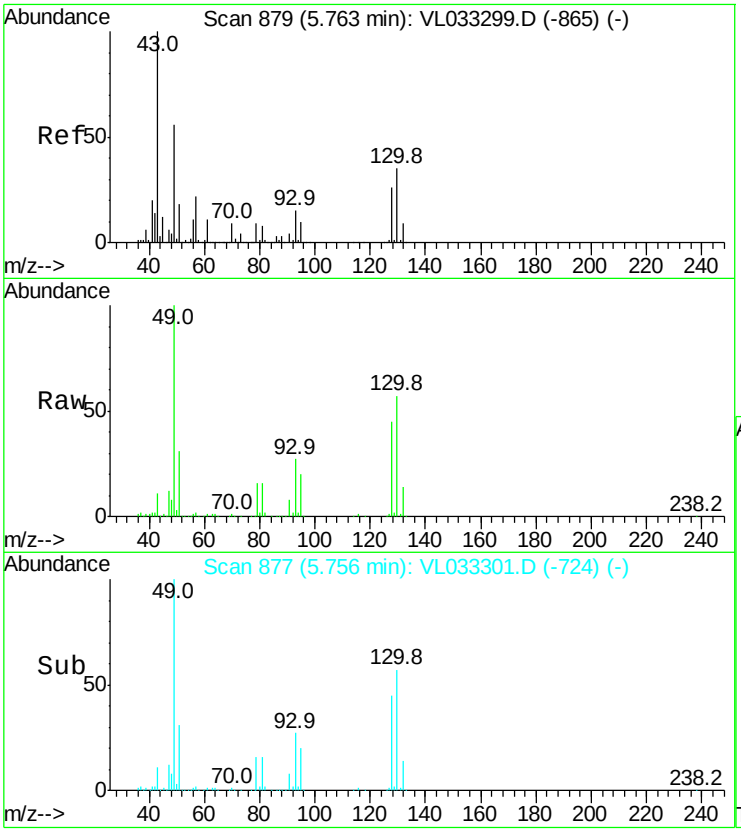
Quantitation Report (Not Reviewed)

Data File : VL033301.D
Acq On : 13 Mar 2019 17:49
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 13 20:09:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 17:31:13 2019
QLast Update : Wed Mar 13 17:31:13 2019
Response via : Initial Calibration



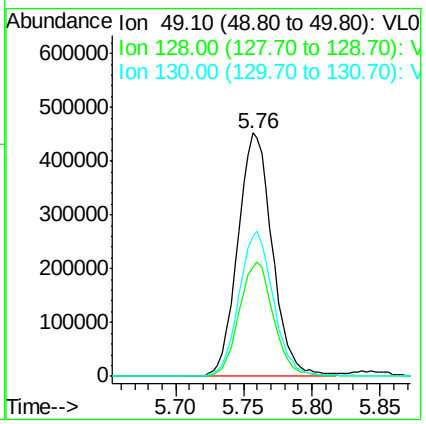


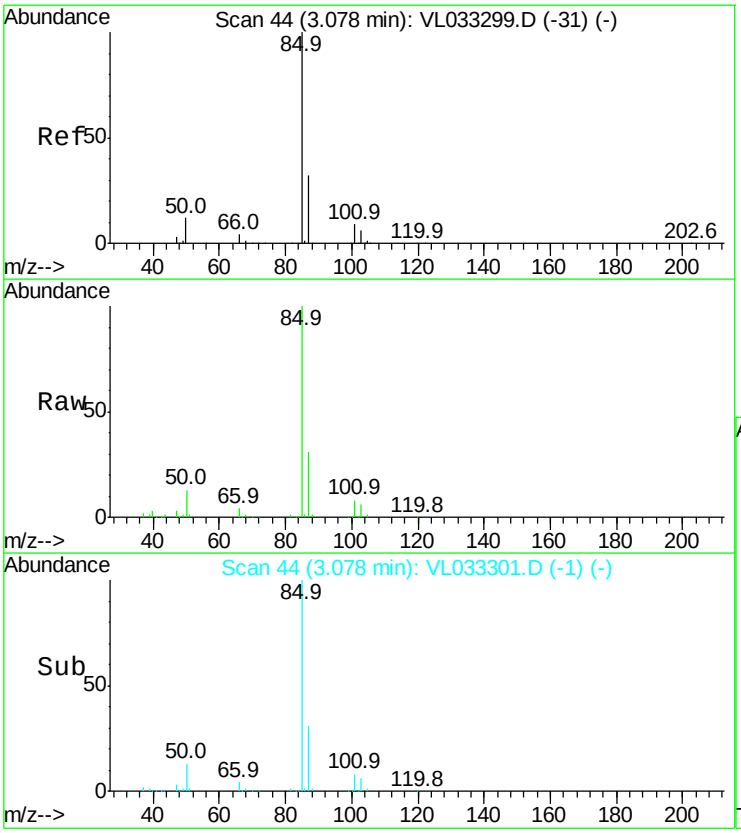
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 794562

Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.4	70.3
130	59.9	29.9	89.7

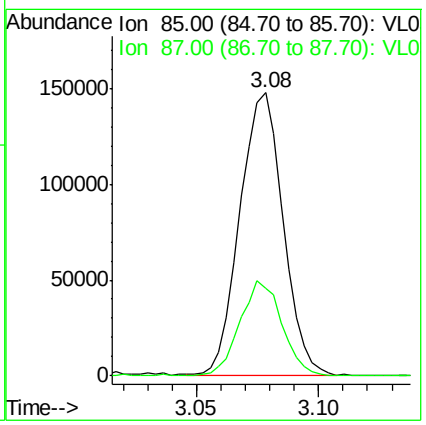


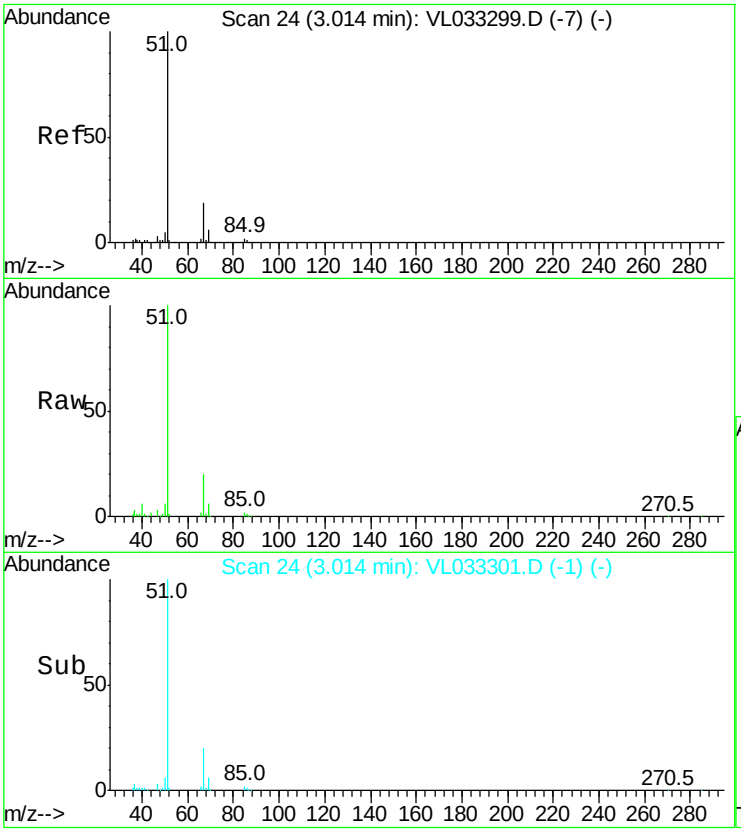


#2
Dichlorodifluoromethane
Concen: 1.121 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 85 Resp: 179964

Ion	Ratio	Lower	Upper
85	100		
87	30.9	25.8	38.8



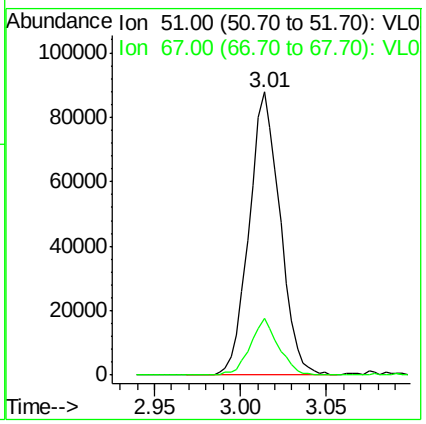


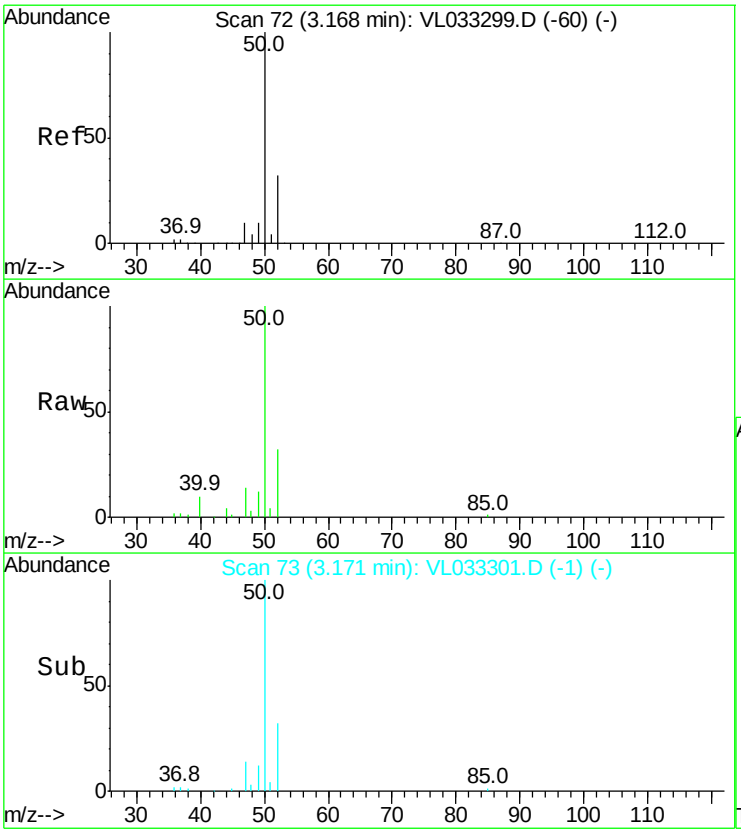
#3
Chlorodifluoromethane
Concen: 1.038 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 109428

Ion	Ratio	Lower	Upper
51	100		
67	18.4	14.9	22.3

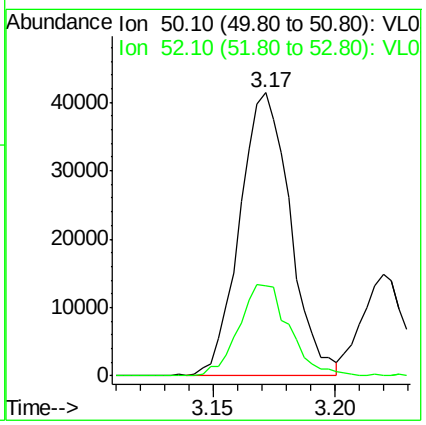


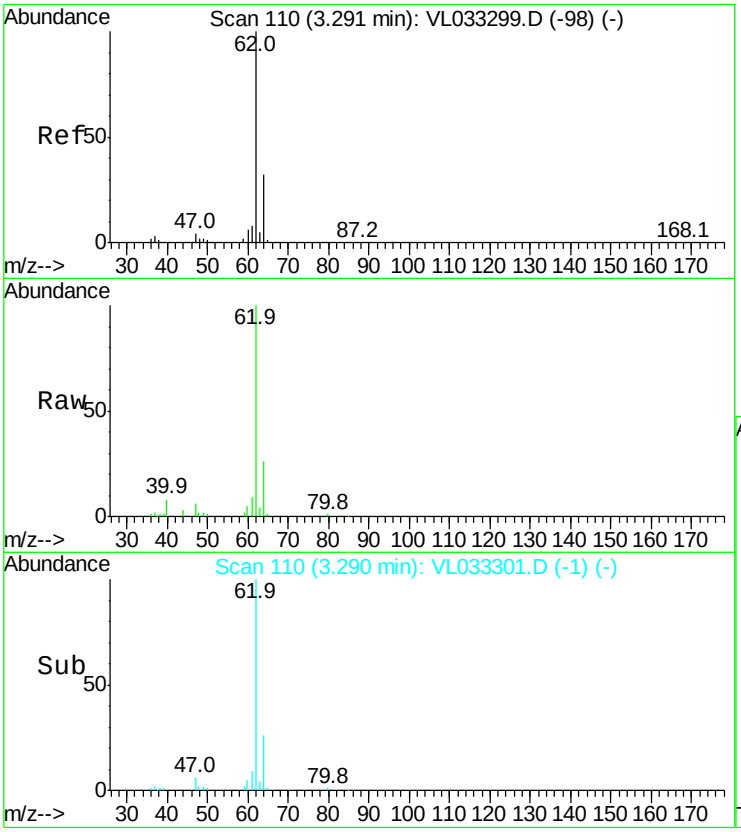


#4
Chloromethane
Concen: 1.052 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 50 Resp: 59301

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.7	38.5



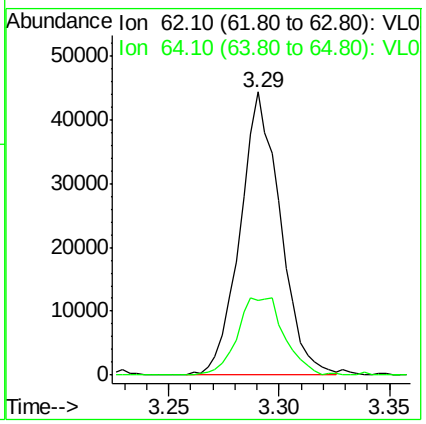


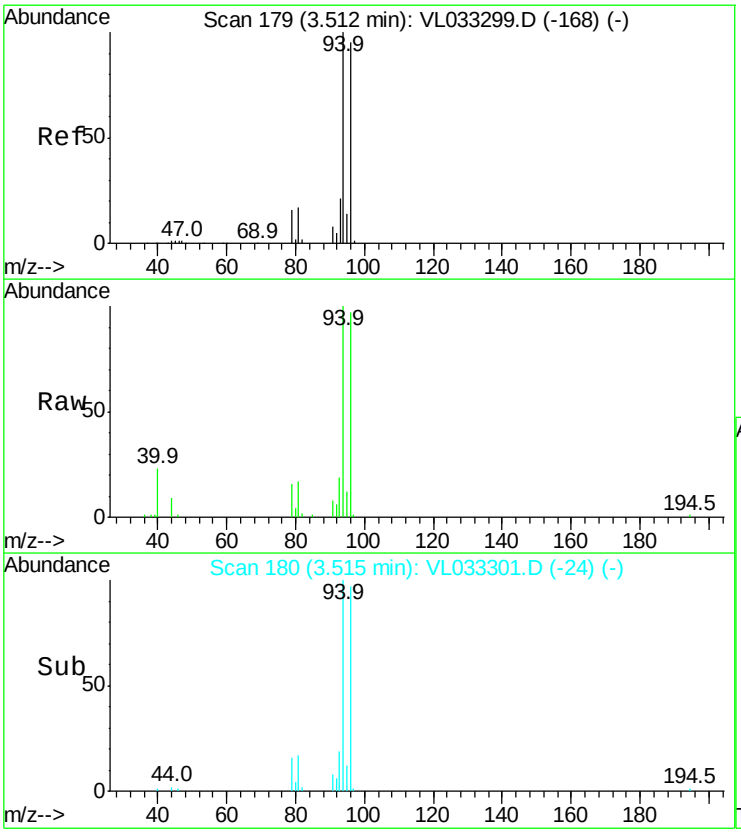
#5
Vinyl Chloride
Concen: 1.026 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 56474

Ion	Ratio	Lower	Upper
62	100		
64	27.3	25.5	38.3

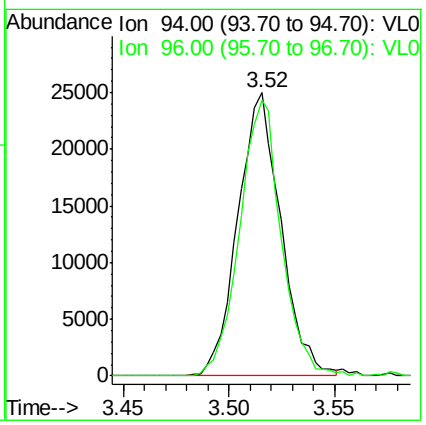


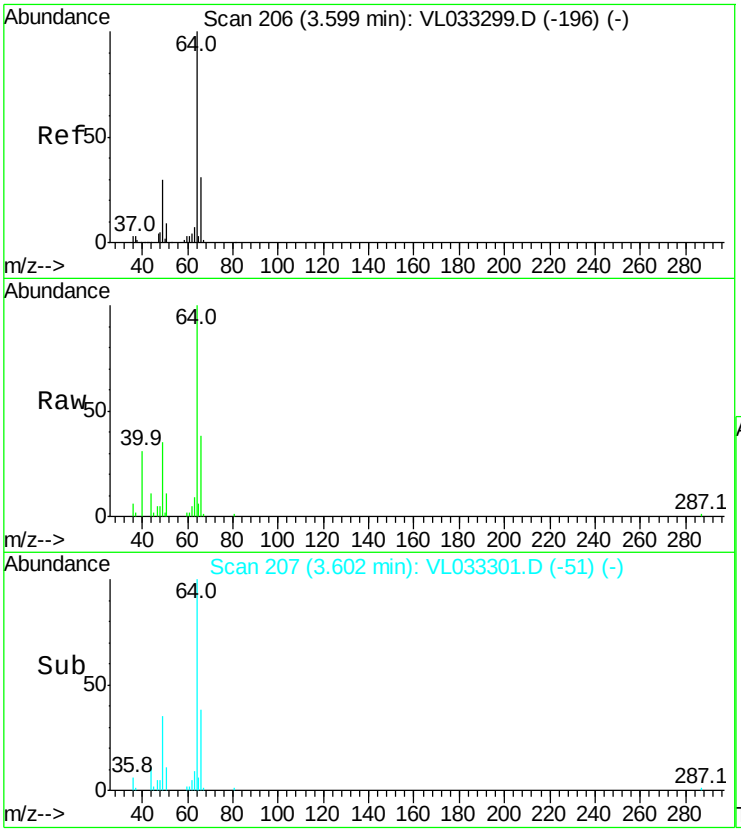


#6
Bromomethane
Concen: 1.051 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 94 Resp: 35338

Ion	Ratio	Lower	Upper
94	100		
96	97.3	76.2	114.4



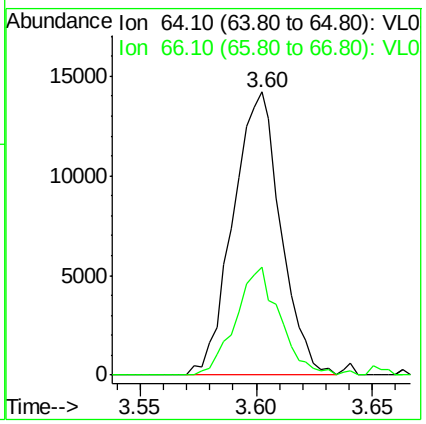


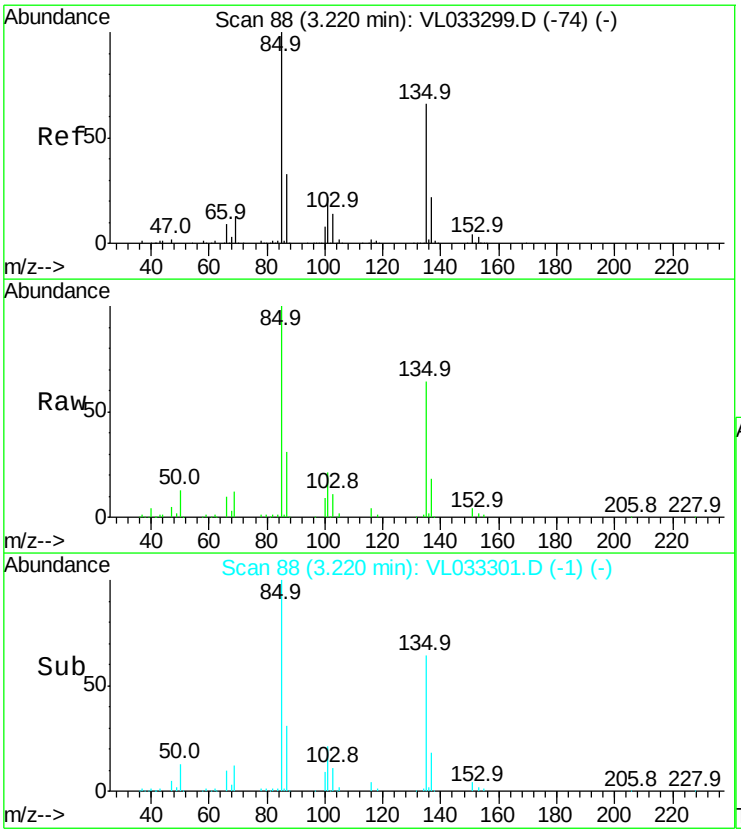
#7
Chloroethane
Concen: 1.021 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 20315

Ion	Ratio	Lower	Upper
64	100		
66	38.0	24.9	37.3#

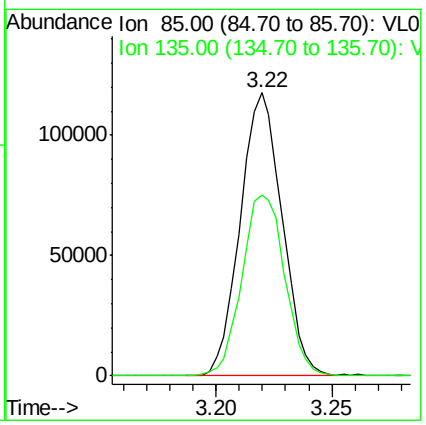


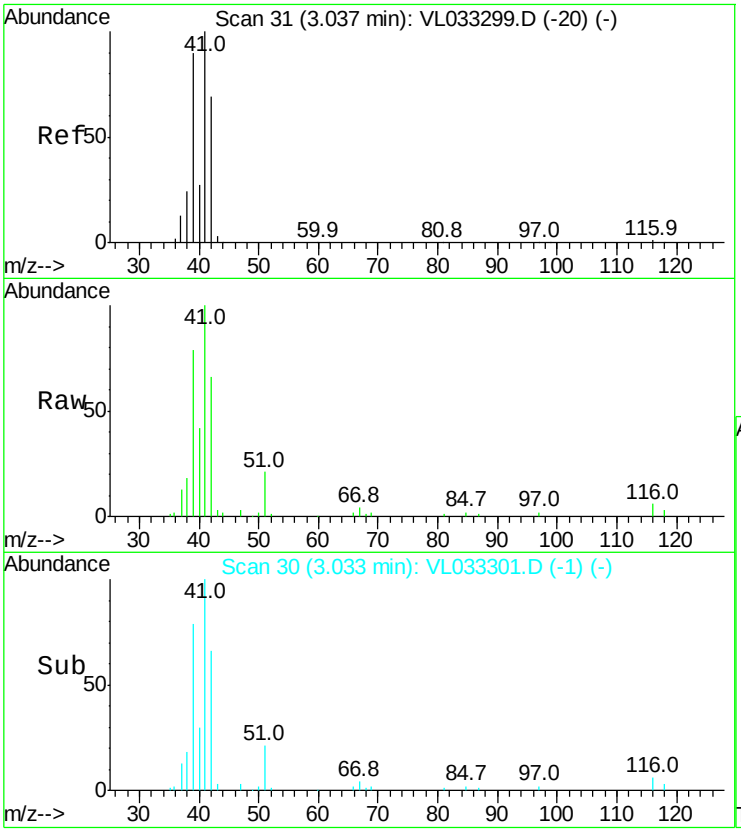


#8
Dichlorotetrafluoroethane
Concen: 1.088 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 85 Resp: 147623

Ion	Ratio	Lower	Upper
85	100		
135	65.4	52.9	79.3



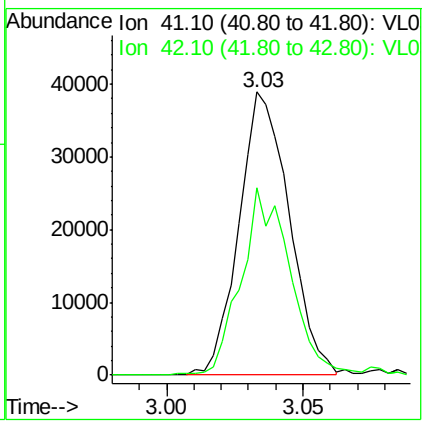


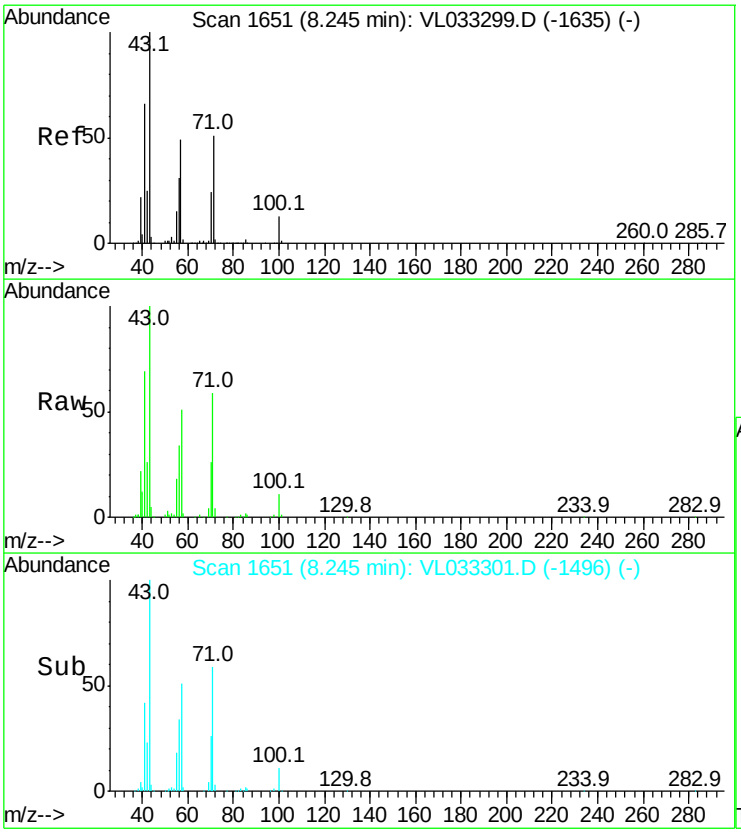
#9
Propene
Concen: 1.031 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 49524

Ion	Ratio	Lower	Upper
41	100		
42	65.8	54.4	81.6

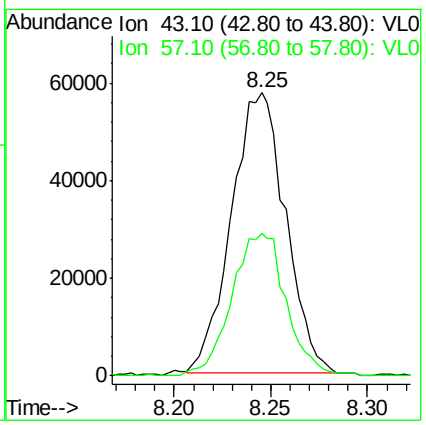


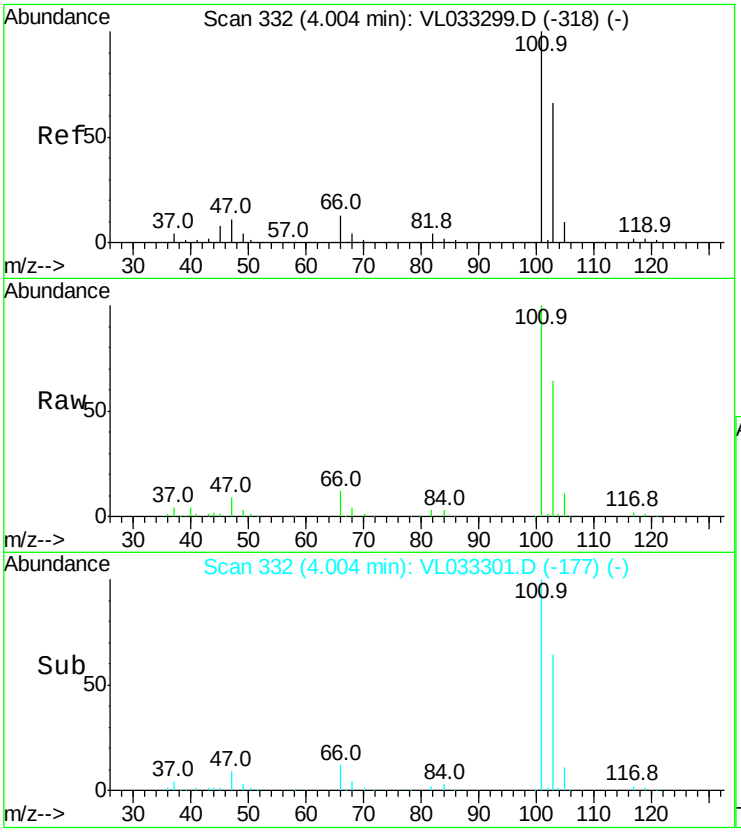


#10
Heptane
Concen: 1.033 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 43 Resp: 111842

Ion	Ratio	Lower	Upper
43	100		
57	51.0	39.6	59.4



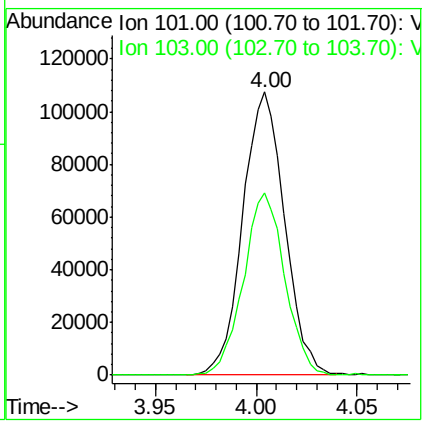


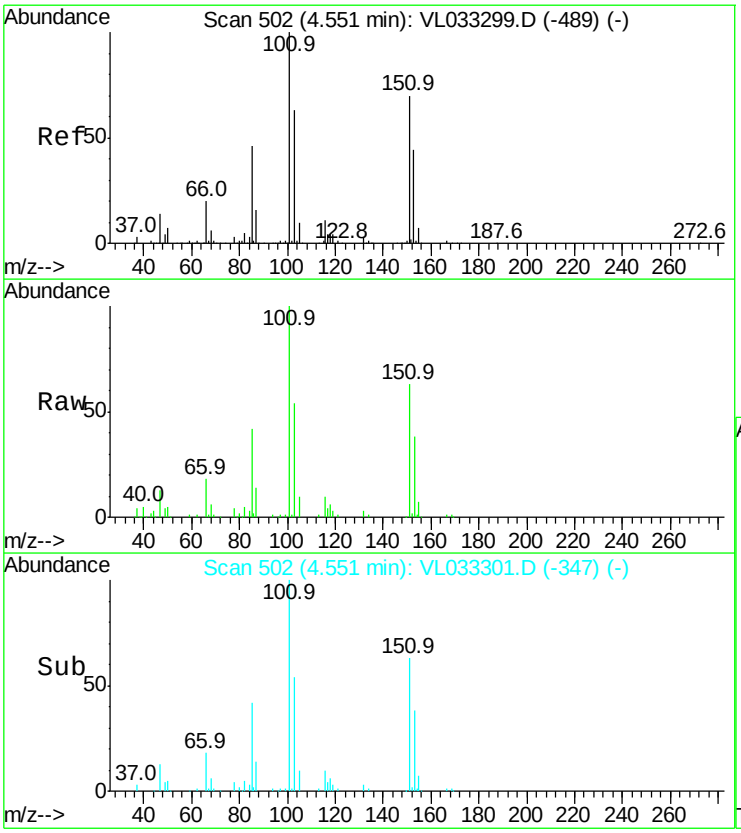
#11
Trichlorofluoromethane
Concen: 0.983 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 156207

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.5	78.7

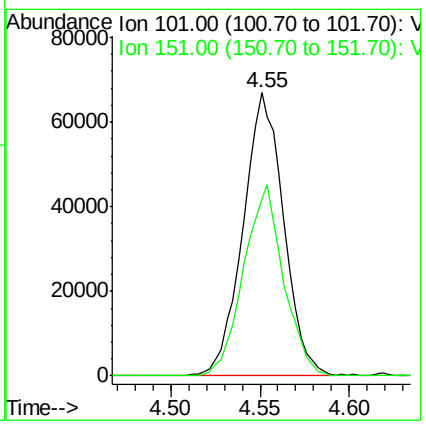


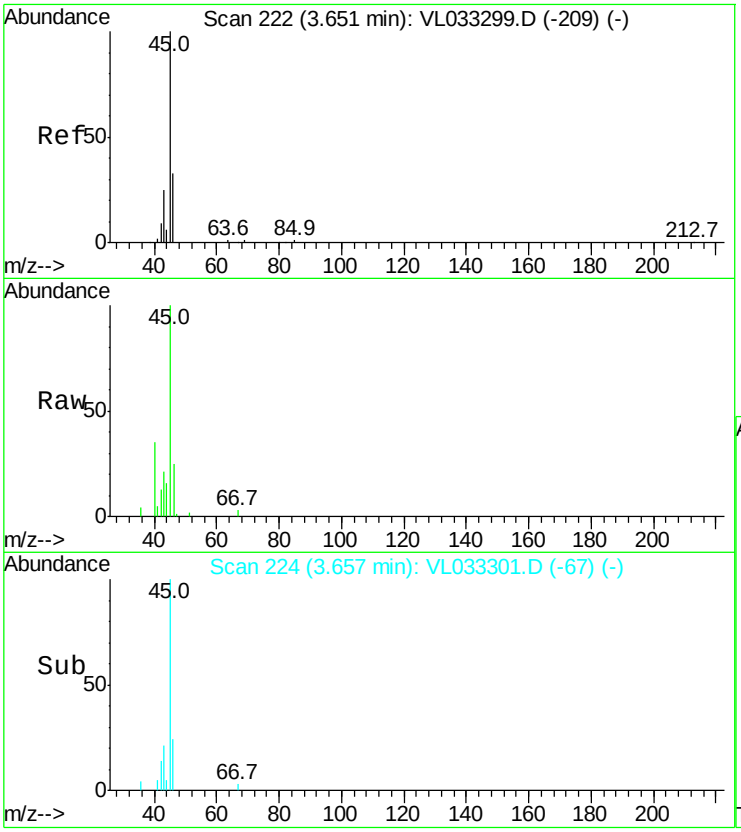


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.170 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:101 Resp: 106364

Ion	Ratio	Lower	Upper
101	100		
151	66.1	57.2	85.8



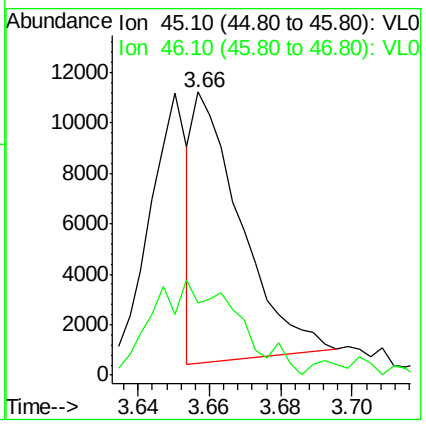


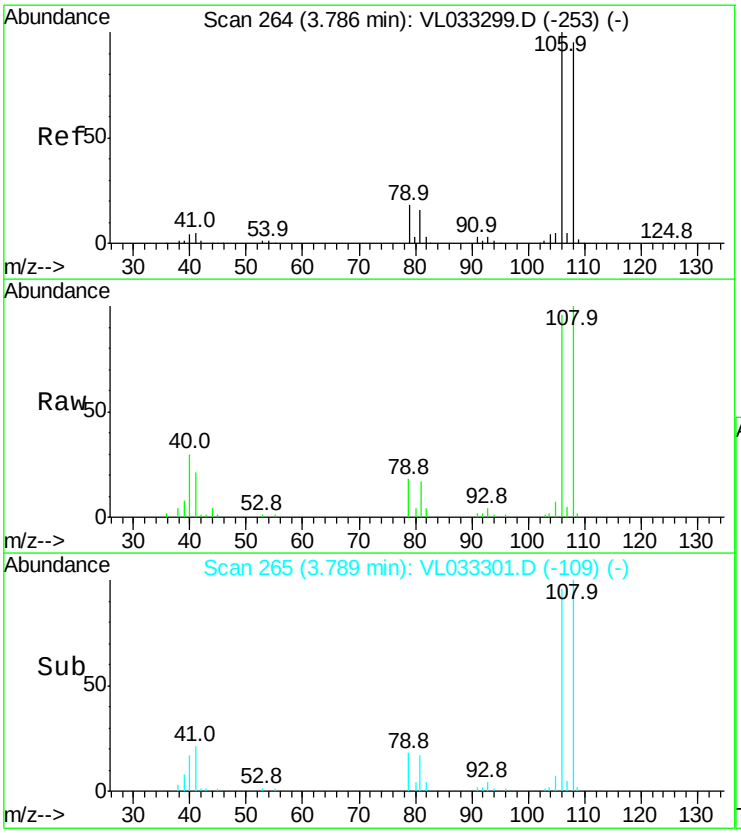
#13
Ethanol
Concen: 0.673 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 9867

Ion	Ratio	Lower	Upper
45	100		
46	62.9	14.9	59.5#

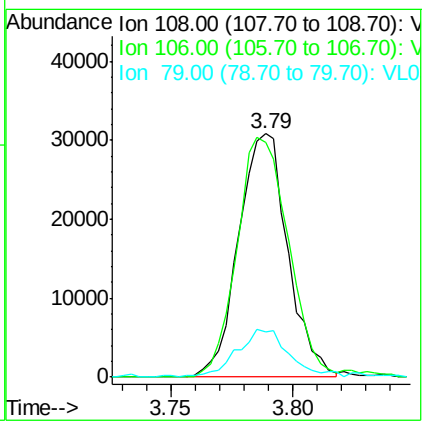


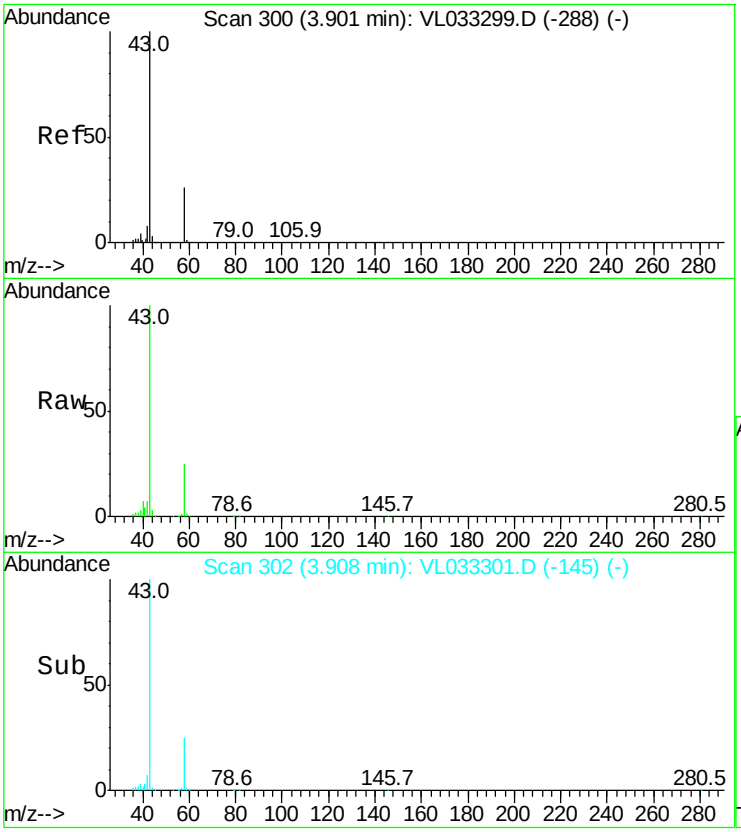


#14
Bromoethene
Concen: 1.017 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:108 Resp: 43103

Ion	Ratio	Lower	Upper
108	100		
106	104.9	85.1	127.7
79	21.6	15.0	22.6



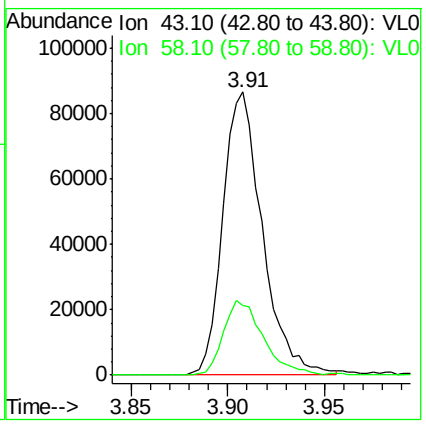


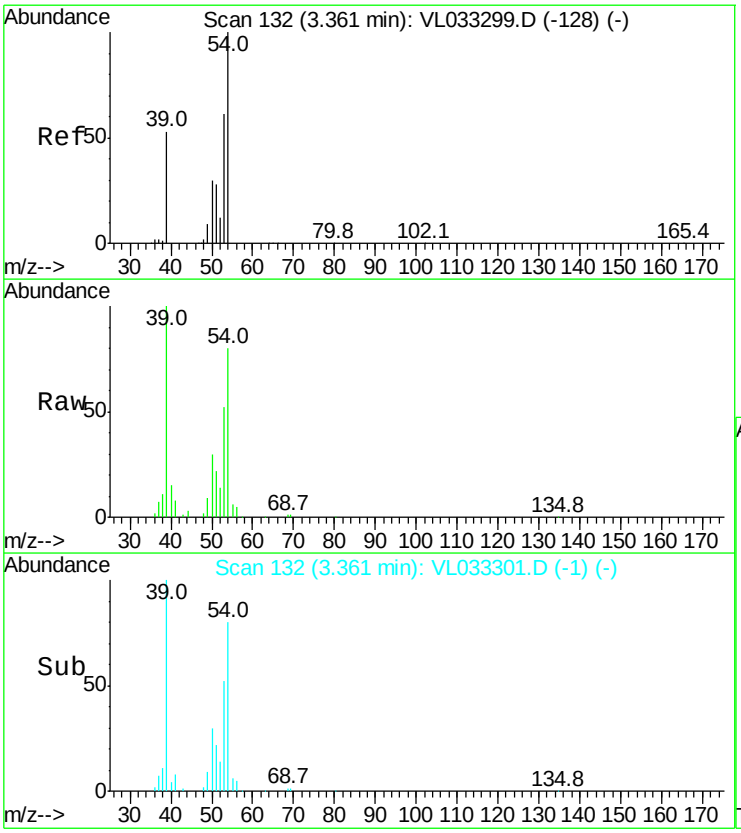
#15
Acetone
Concen: 1.009 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 122934

Ion	Ratio	Lower	Upper
43	100		
58	27.1	20.6	31.0

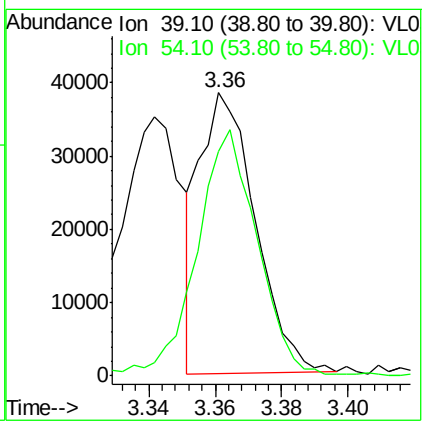


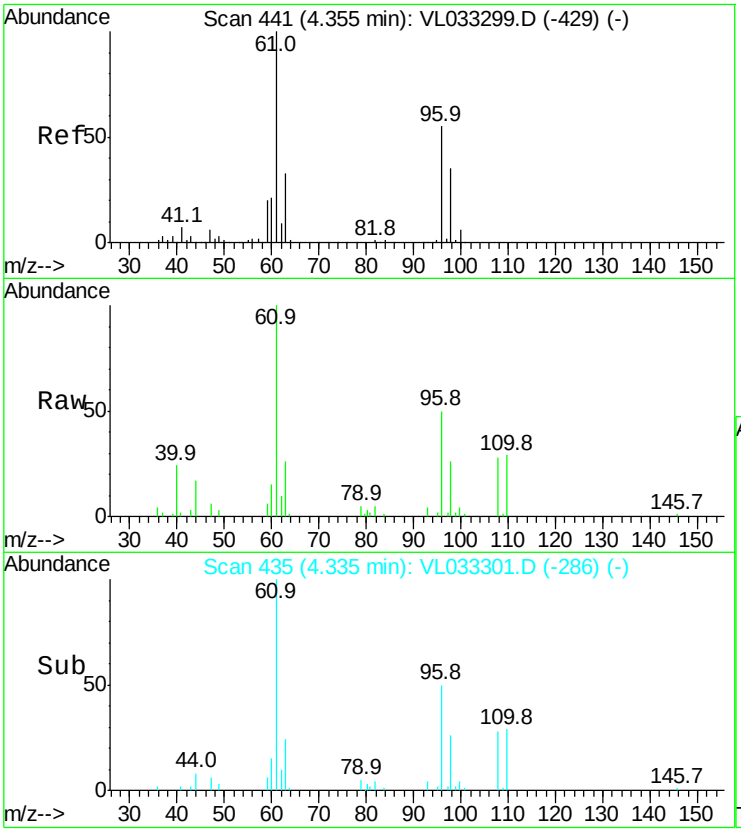


#16
1,3-Butadiene
Concen: 1.007 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 39 Resp: 44332

Ion	Ratio	Lower	Upper
39	100		
54	97.0	68.4	102.6



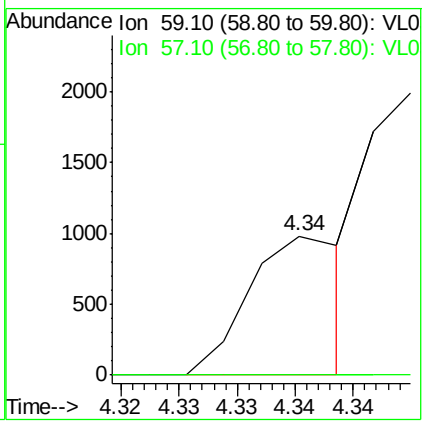


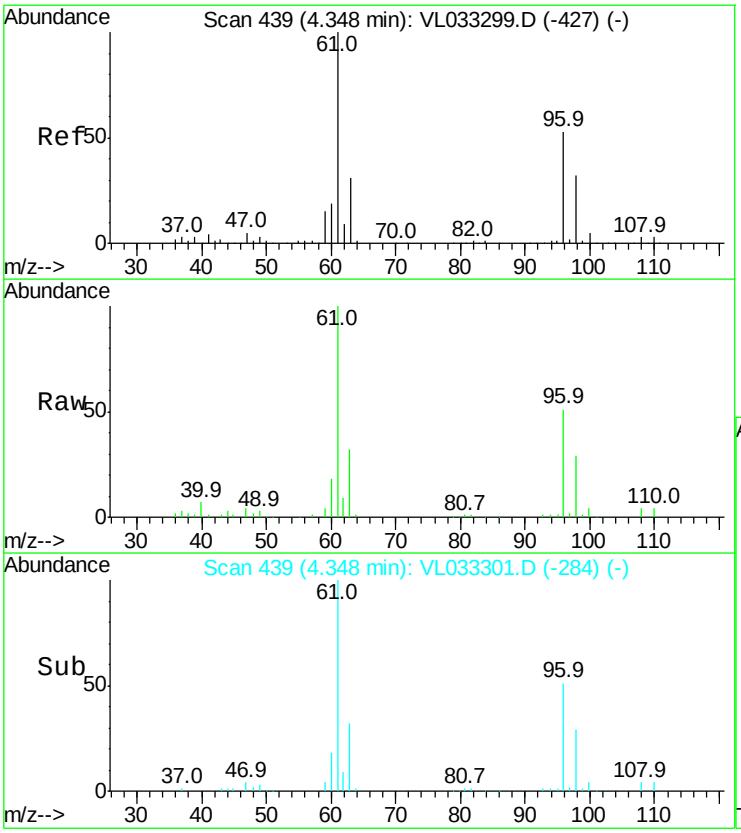
#17
tert-Butyl alcohol
Concen: 0.034 ppbv
RT: 4.34 min Scan# 435
Delta R.T. -0.02 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 562

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.2#

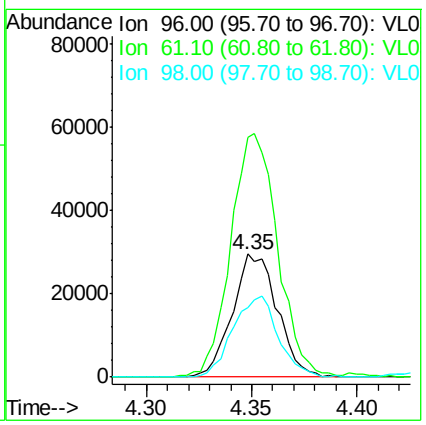


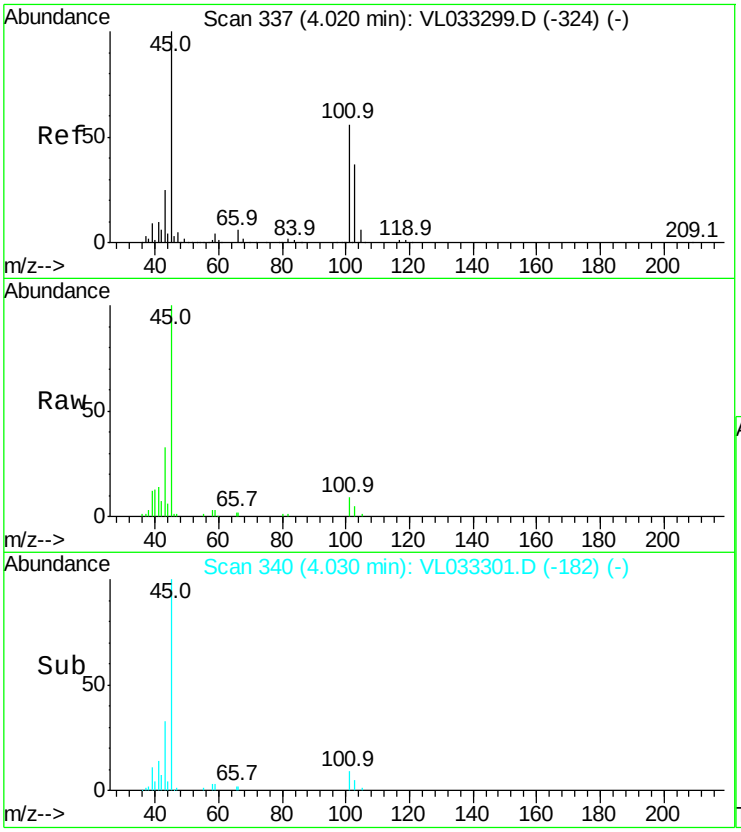


#18
1,1-Dichloroethene
Concen: 1.084 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 96 Resp: 43614

Ion	Ratio	Lower	Upper
96	100		
61	193.6	152.3	228.5
98	56.7	48.6	72.8



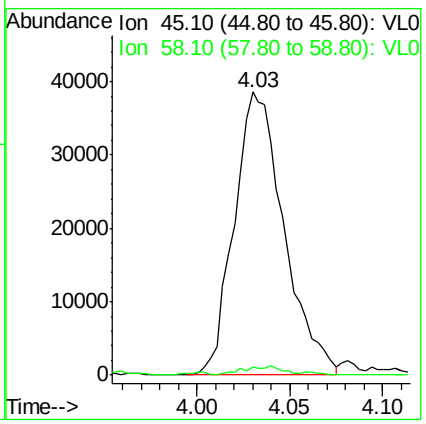


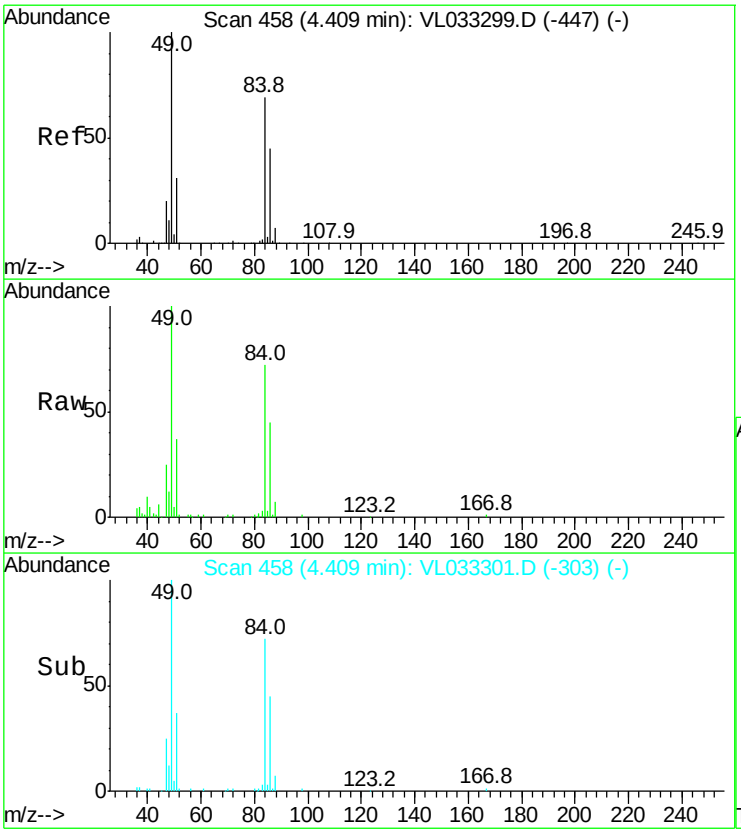
#19
Isopropyl Alcohol
Concen: 0.976 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 71857

Ion	Ratio	Lower	Upper
45	100		
58	3.4	1.4	2.0#

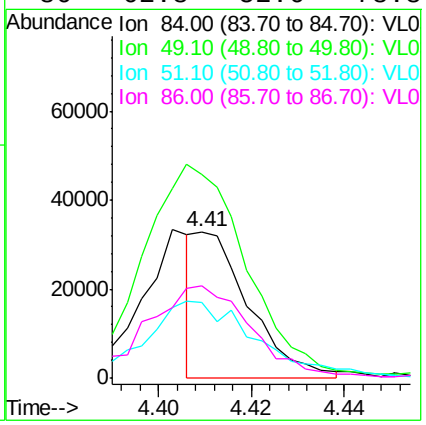


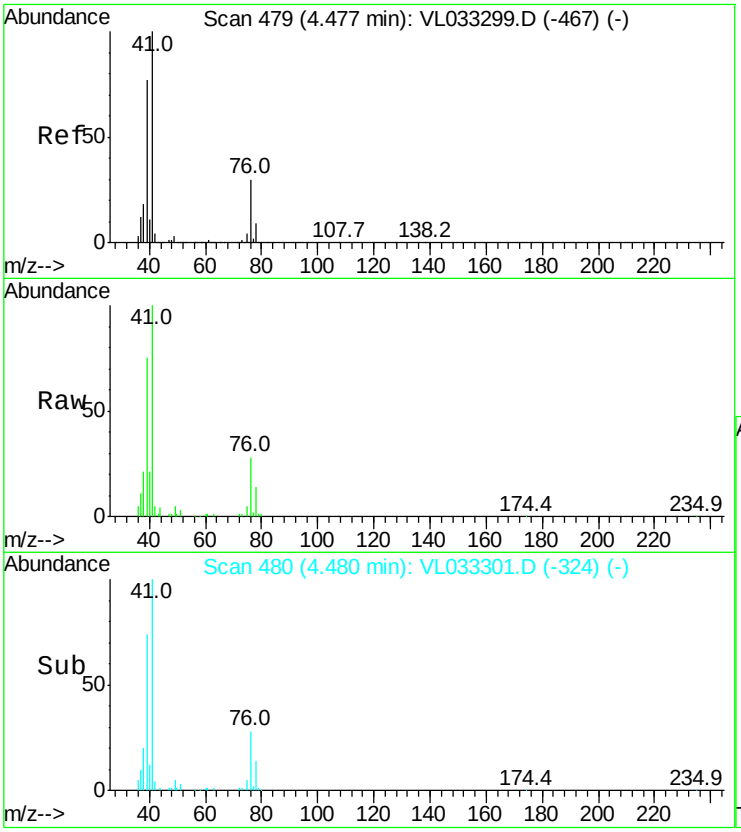


#20
Methylene Chloride
Concen: 0.648 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 84 Resp: 26275

Ion	Ratio	Lower	Upper
84	100		
49	140.1	115.4	173.2
51	47.0	35.7	53.5
86	62.8	52.6	78.8



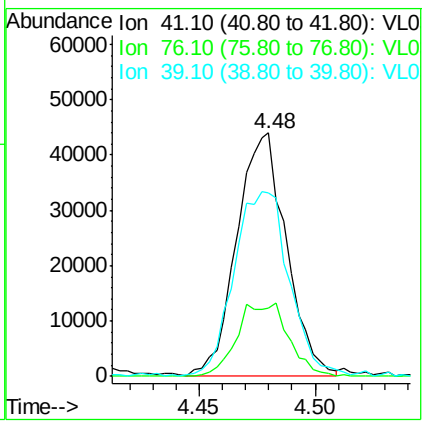


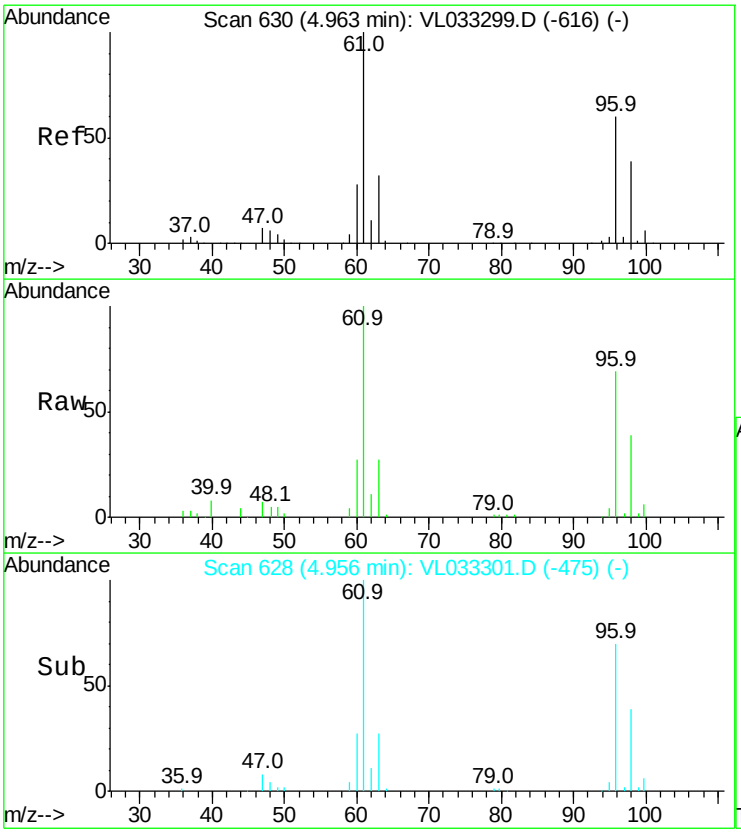
#21
Allyl Chloride
Concen: 1.070 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 64823

Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.3	36.5
39	86.9	64.4	96.6

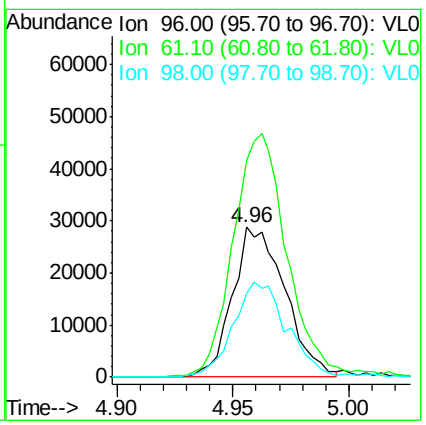


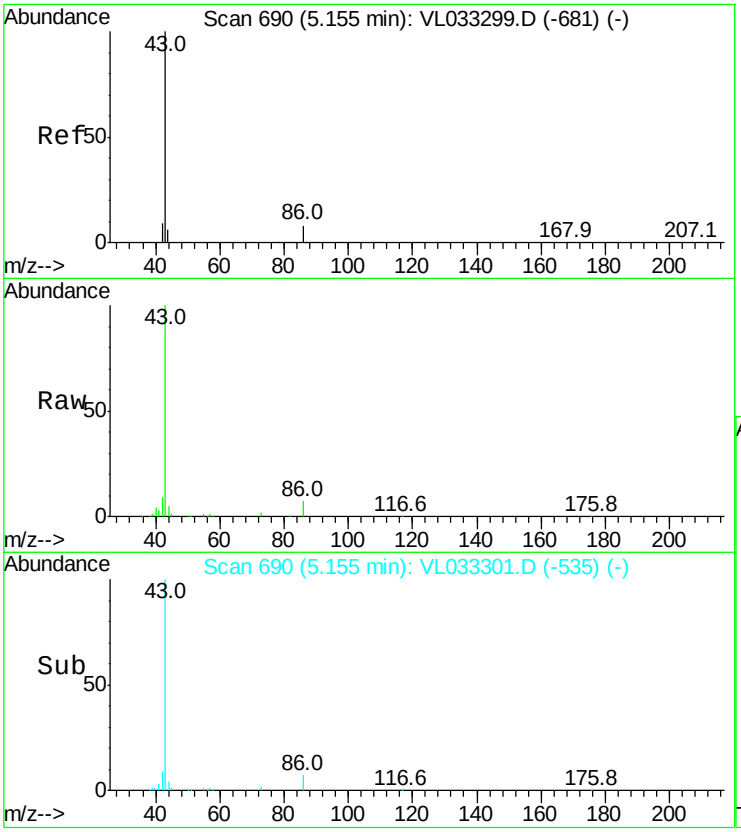


#22
trans-1,2-Dichloroethene
Concen: 1.055 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 96 Resp: 45256

Ion	Ratio	Lower	Upper
96	100		
61	143.3	132.7	199.1
98	54.8	52.4	78.6



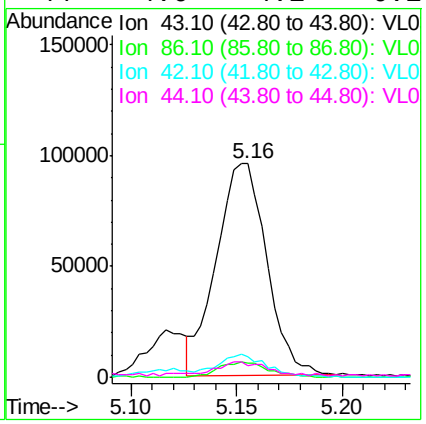


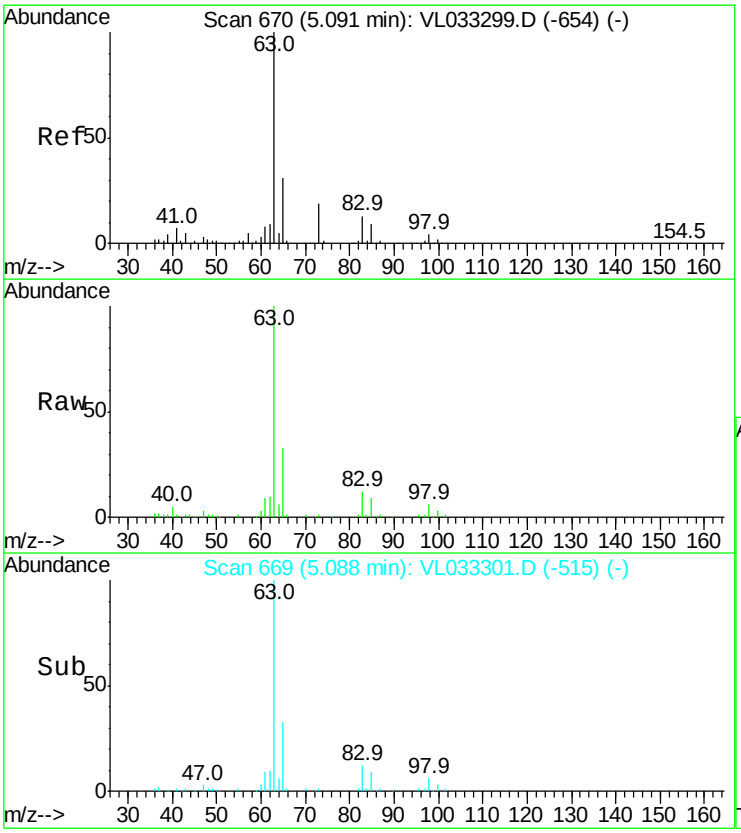
#23
Vinyl Acetate
Concen: 1.035 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 158070

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	8.8	7.8	11.8
44	4.6	4.1	6.1

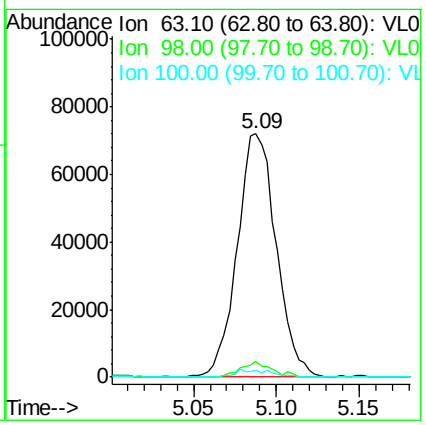


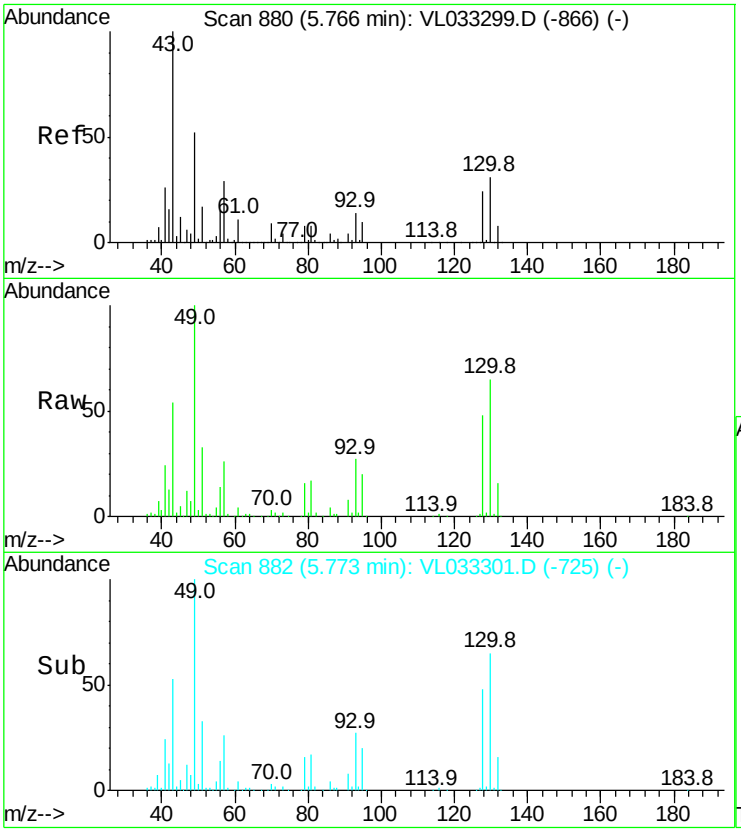


#24
1,1-Dichloroethane
Concen: 1.064 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 63 Resp: 117826

Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.3	6.8
100	2.8	1.3	3.8



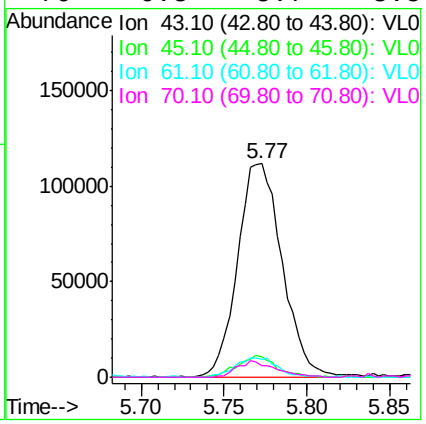


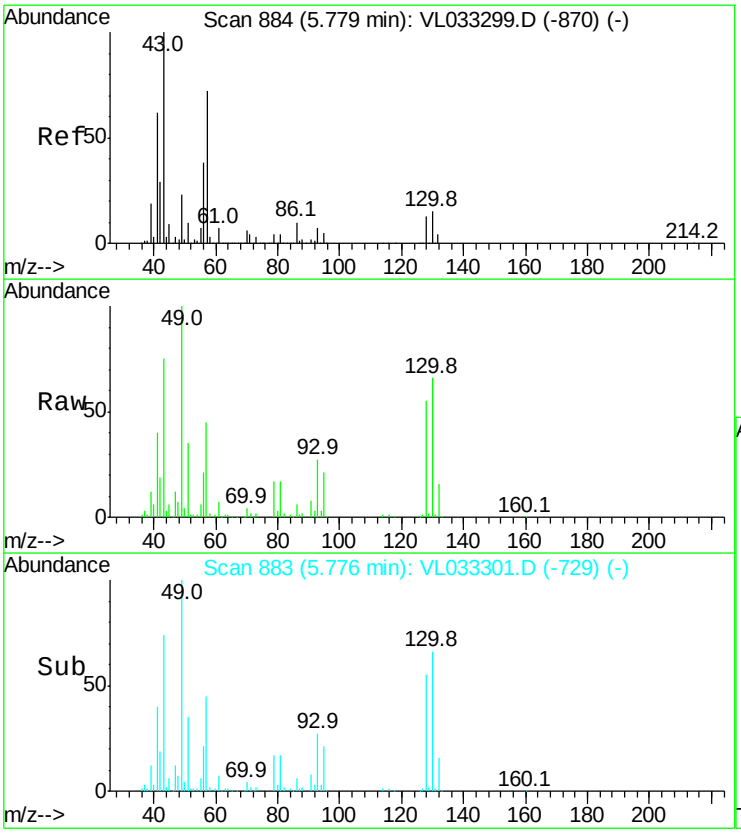
#25
Ethyl Acetate
Concen: 1.113 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 209067

Ion	Ratio	Lower	Upper
43	100		
45	9.0	8.0	12.0
61	9.1	7.5	11.3
70	6.8	5.7	8.5

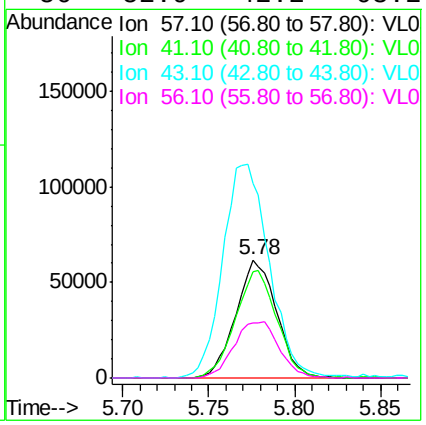


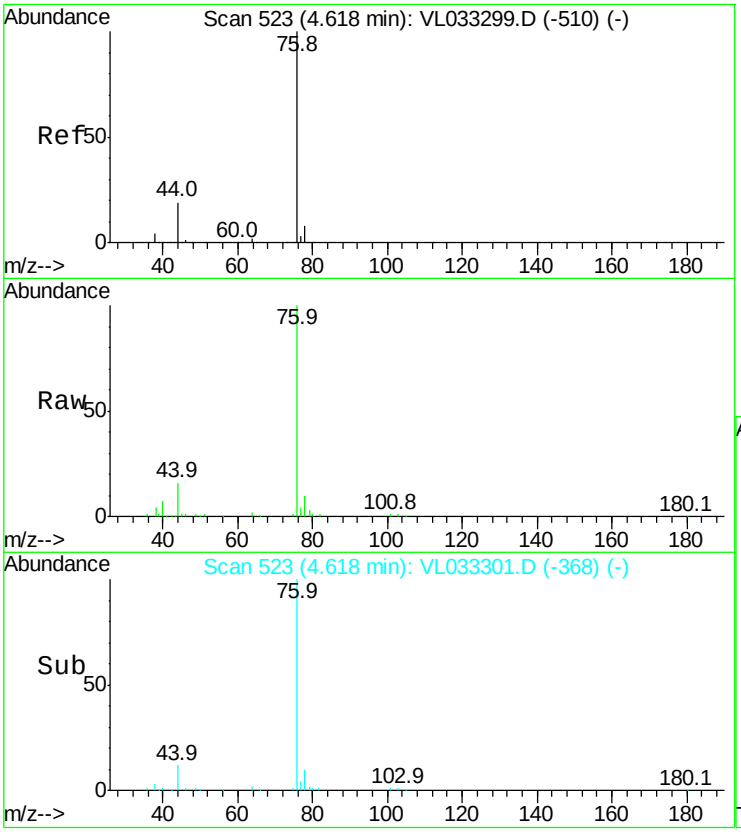


#26
Hexane
Concen: 1.157 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 57 Resp: 102007

Ion	Ratio	Lower	Upper
57	100		
41	93.0	71.6	107.4
43	207.3	179.2	268.8
56	52.9	42.2	63.2



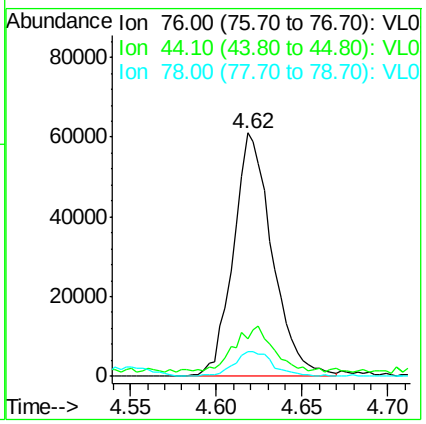


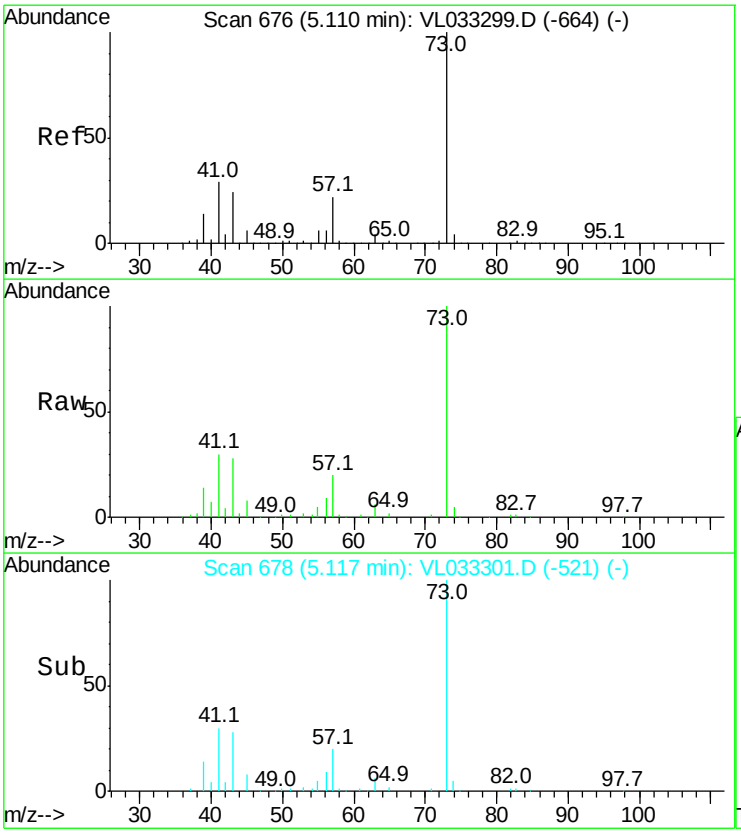
#27
Carbon Disulfide
Concen: 1.026 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 95960

Ion	Ratio	Lower	Upper
76	100		
44	20.2	14.7	22.1
78	10.5	7.3	10.9

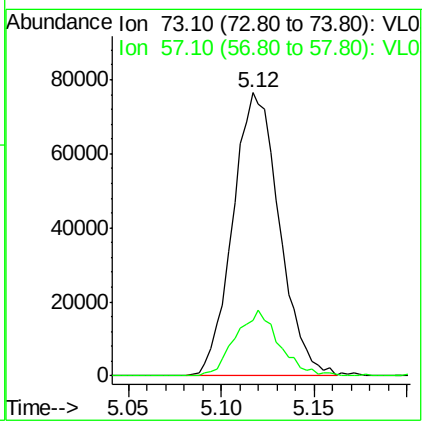


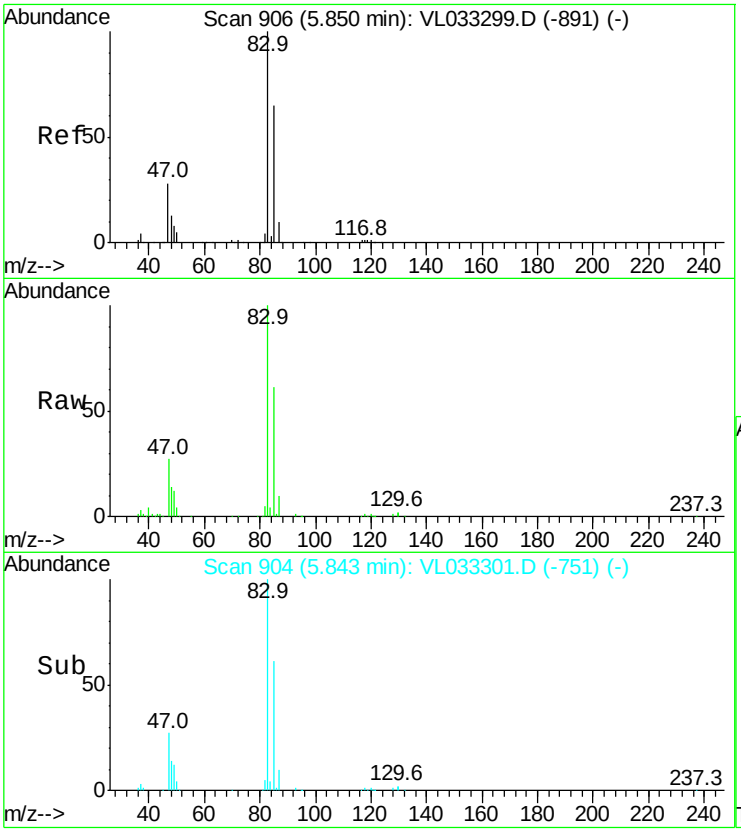


#28
Methyl tert-Butyl Ether
Concen: 1.066 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 73 Resp: 133379

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0



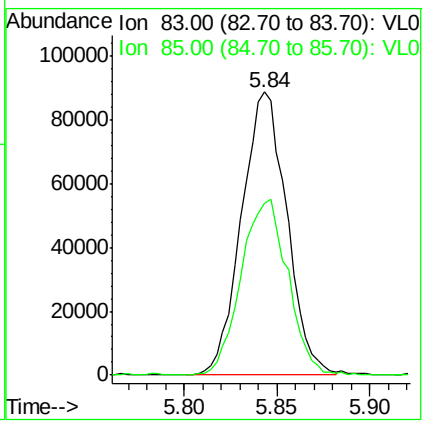


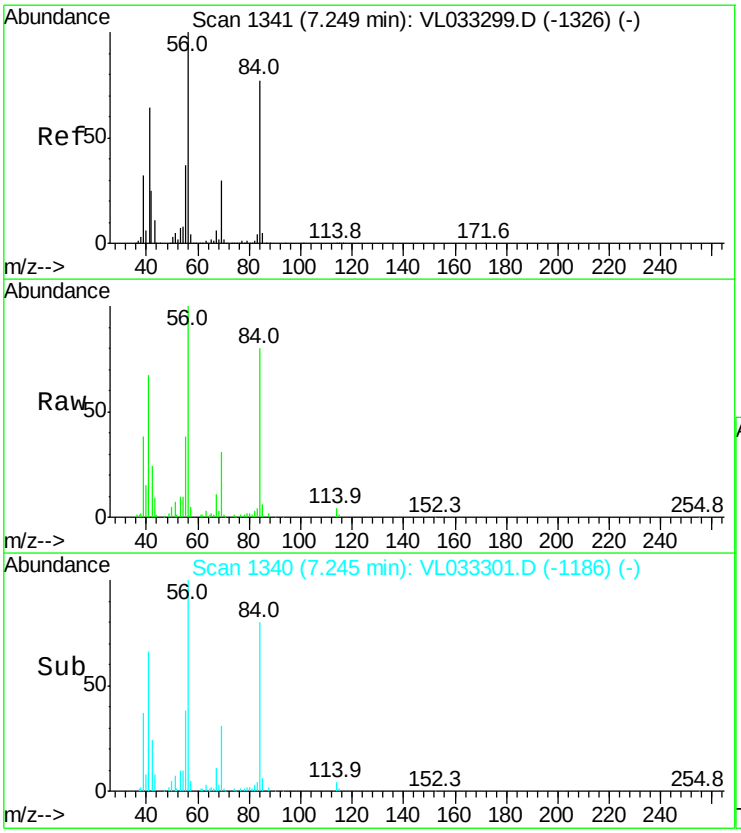
#29
Chloroform
Concen: 1.122 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 150544

Ion	Ratio	Lower	Upper
83	100		
85	60.6	52.2	78.4

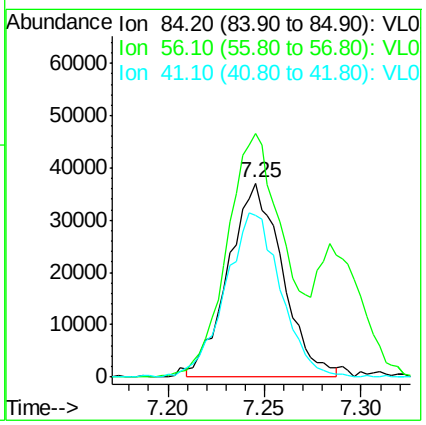


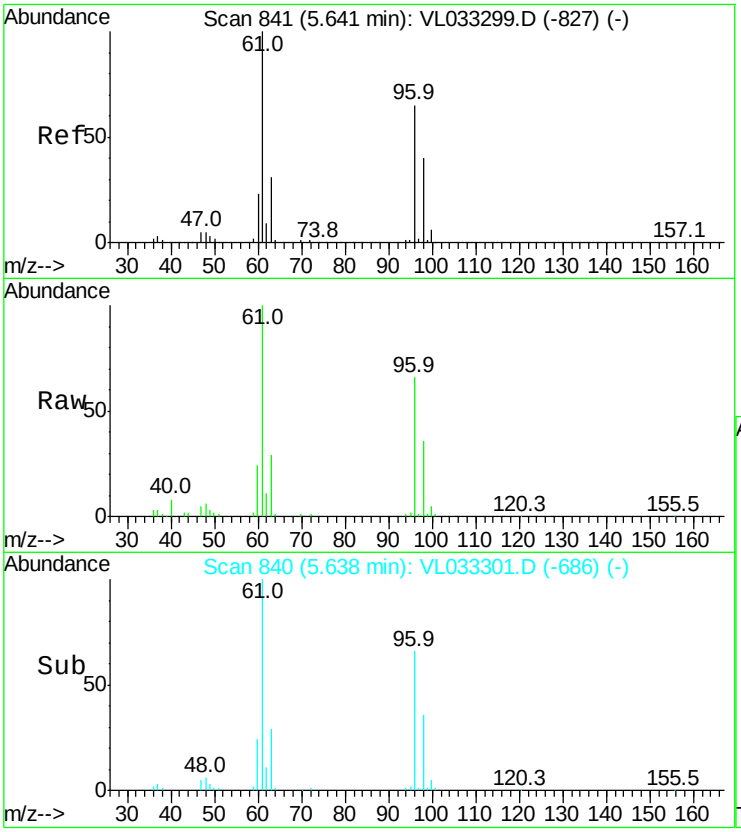


#30
Cyclohexane
Concen: 1.053 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 84 Resp: 71990

Ion	Ratio	Lower	Upper
84	100		
56	129.8	109.8	164.8
41	86.8	68.1	102.1



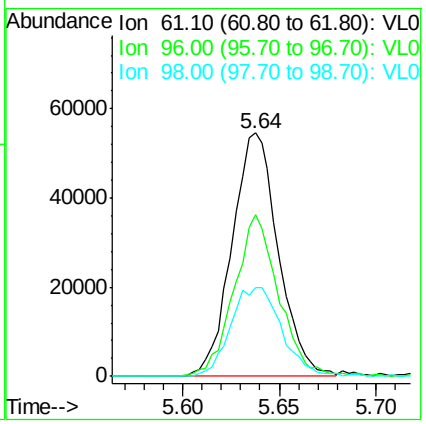


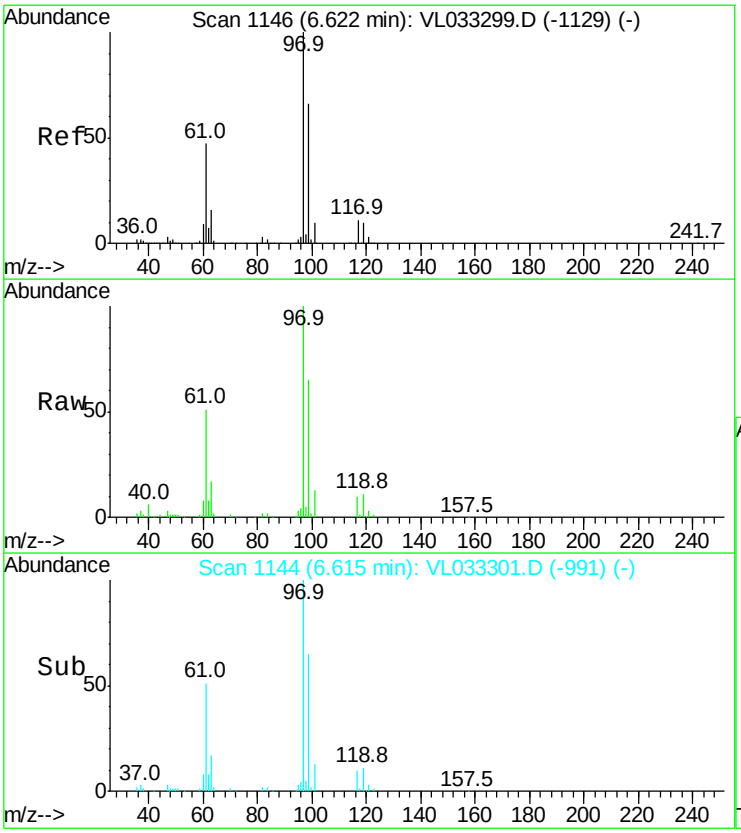
#31
cis-1,2-Dichloroethene
Concen: 1.072 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 90595

Ion	Ratio	Lower	Upper
61	100		
96	65.7	51.8	77.6
98	36.3	32.3	48.5

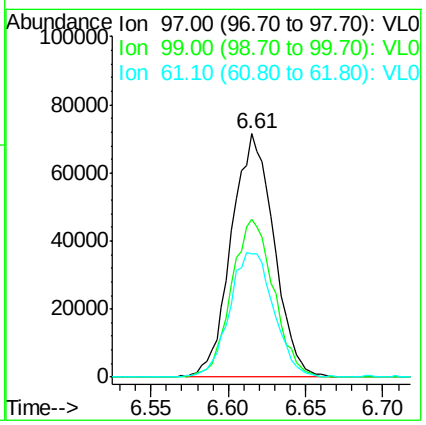


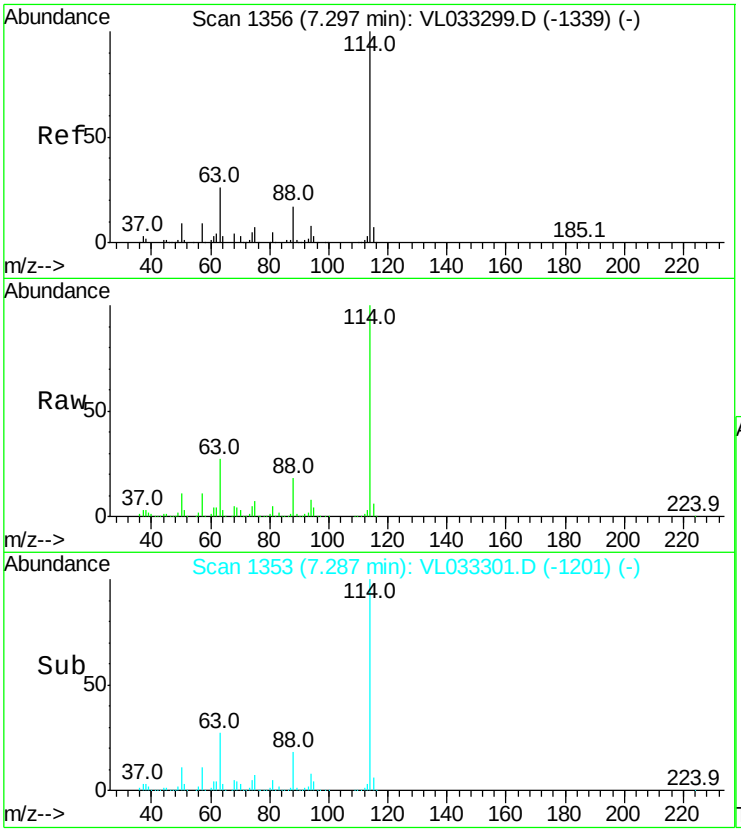


#32
1,1,1-Trichloroethane
Concen: 1.045 ppbv
RT: 6.61 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 97 Resp: 136612

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	53.2	39.4	59.2



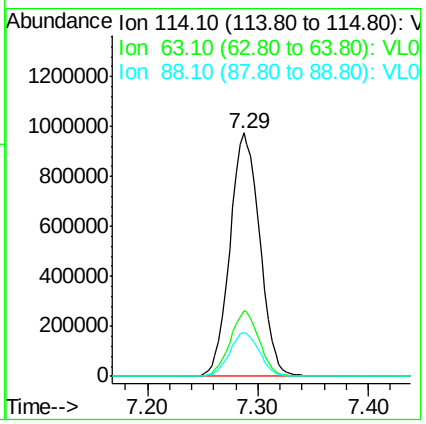


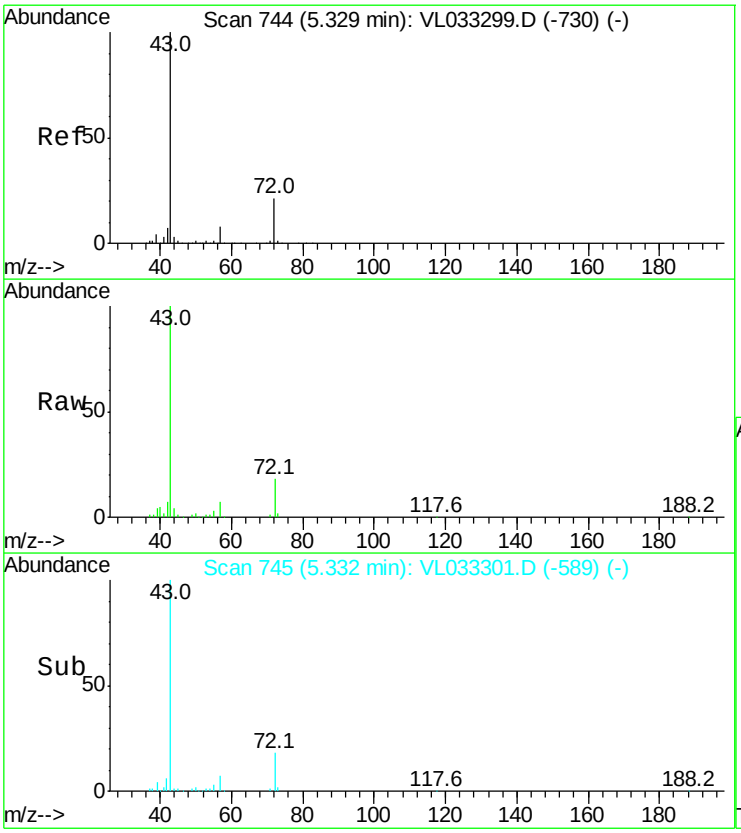
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 1823005

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.3	31.9
88	17.9	14.5	21.7

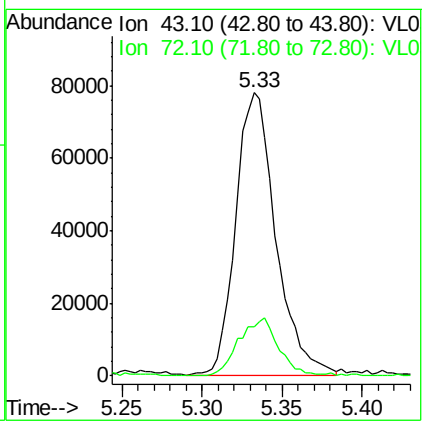


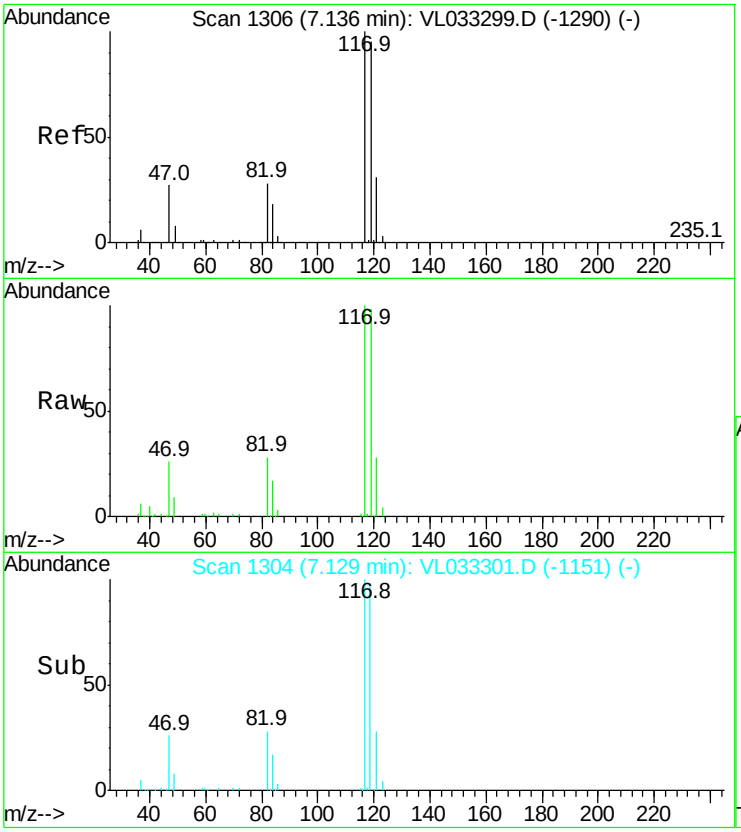


#34
2-Butanone
Concen: 1.097 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 43 Resp: 132200

Ion	Ratio	Lower	Upper
43	100		
72	20.5	17.2	25.8



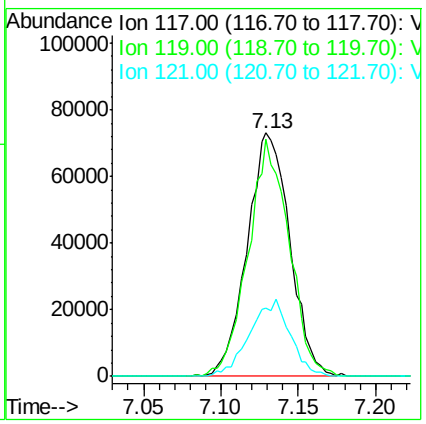


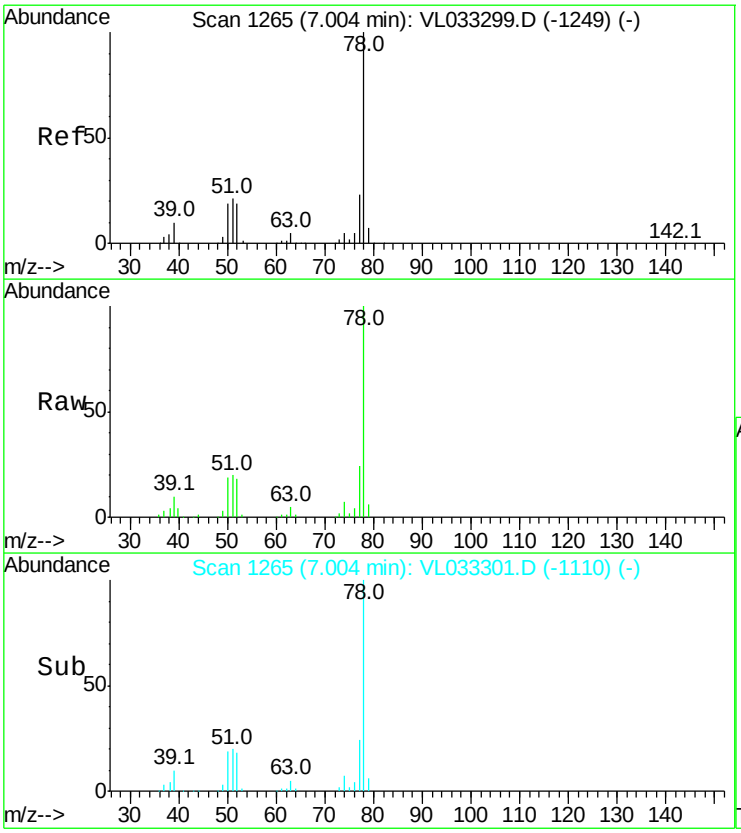
#35
Carbon Tetrachloride
Concen: 1.053 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 140304

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.9	113.9
121	27.8	25.2	37.8

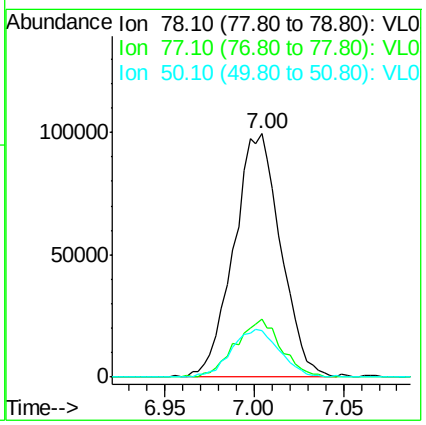


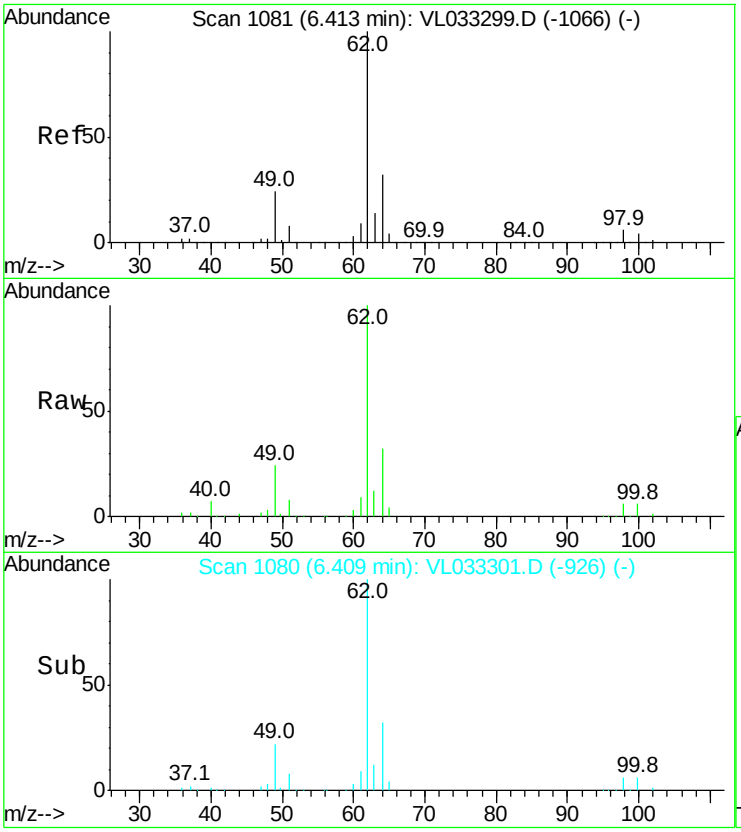


#36
Benzene
Concen: 1.089 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 78 Resp: 183124

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0
50	19.1	15.2	22.8



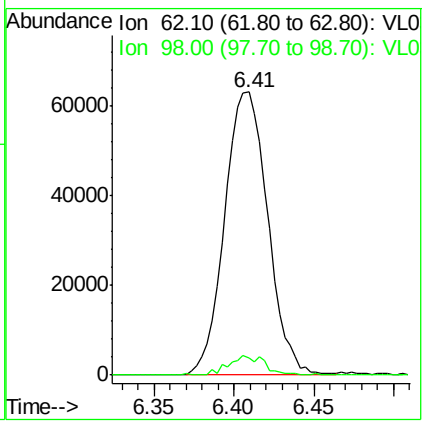


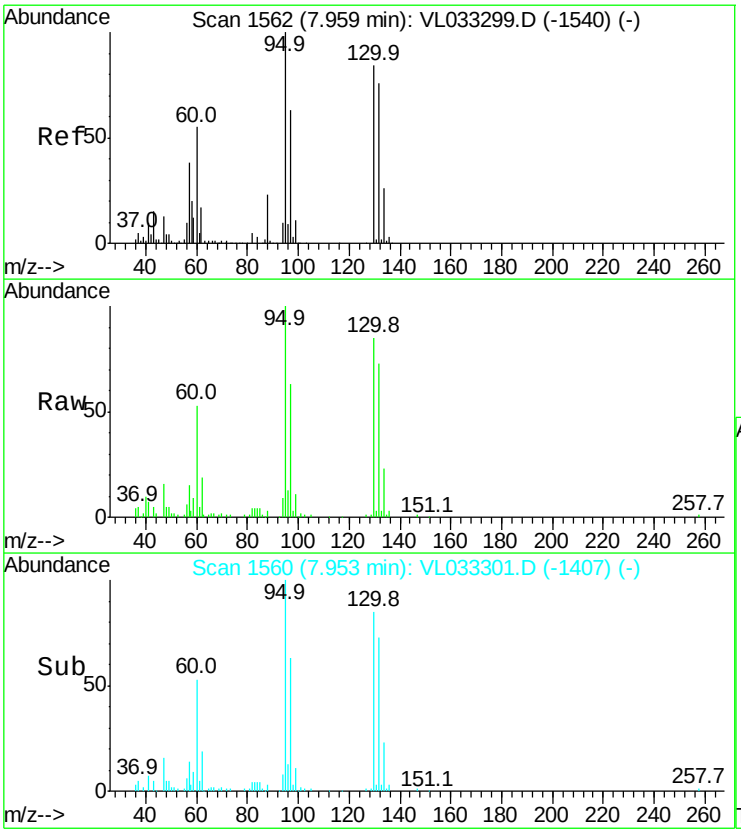
#37
1,2-Dichloroethane
Concen: 1.149 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 62 Resp: 115874

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.4	6.6

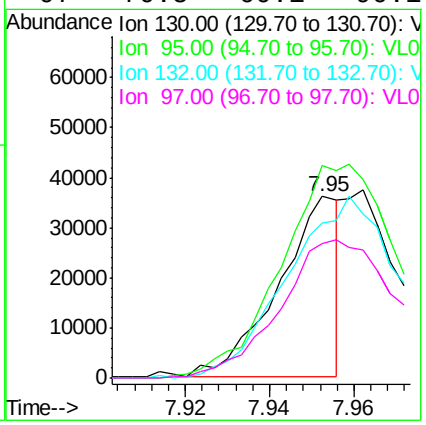


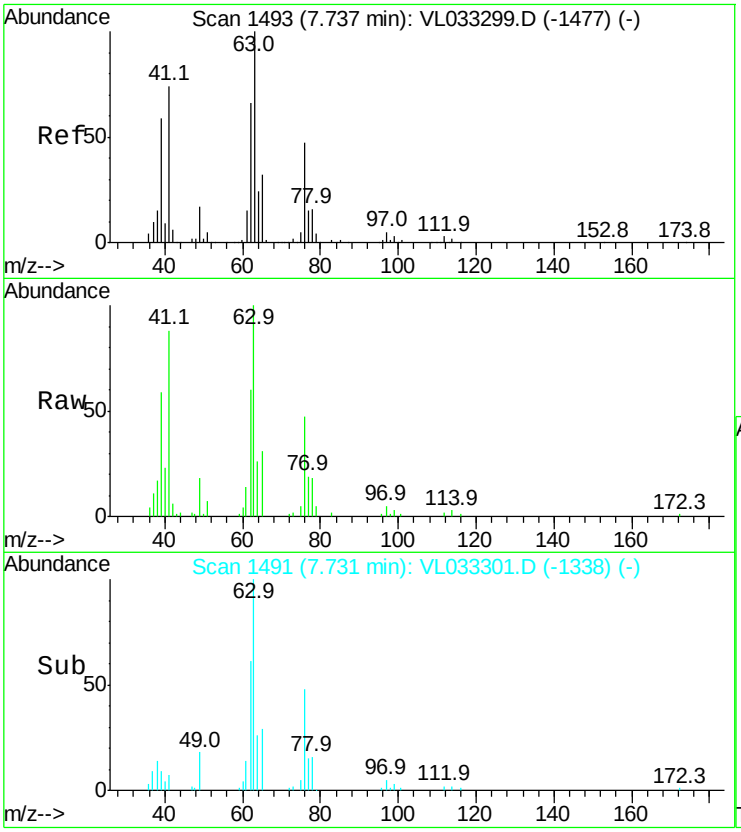


#38
Trichloroethene
Concen: 0.549 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:130 Resp: 35954

Ion	Ratio	Lower	Upper
130	100		
95	112.1	95.2	142.8
132	82.8	72.5	108.7
97	70.5	60.1	90.1



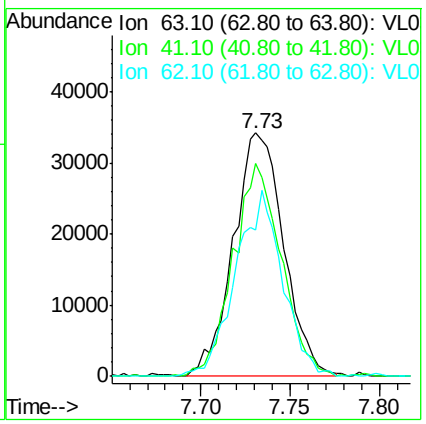


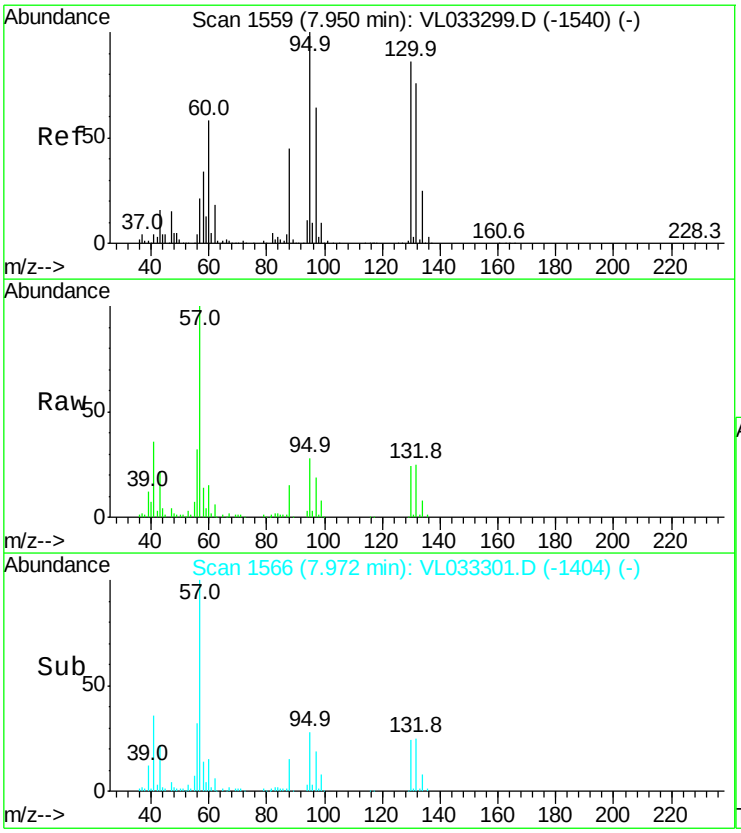
#39
1,2-Dichloropropane
Concen: 1.066 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 67460

Ion	Ratio	Lower	Upper
63	100		
41	87.5	59.0	88.4
62	60.2	53.0	79.4

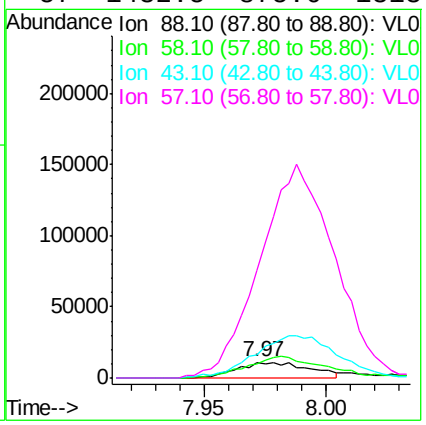


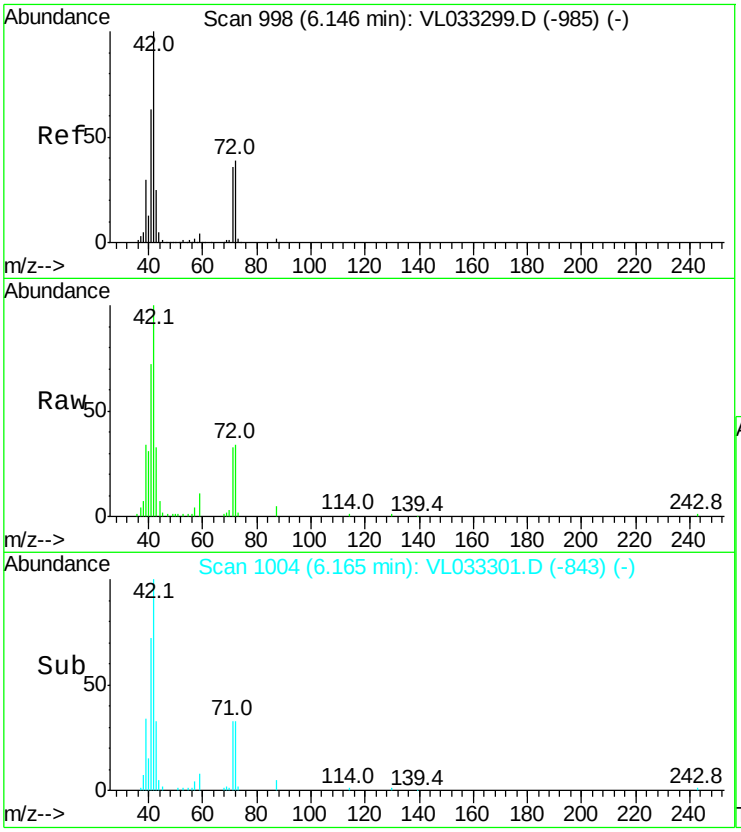


#40
1,4-Dioxane
Concen: 0.945 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.02 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 88 Resp: 22507

Ion	Ratio	Lower	Upper
88	100		
58	163.9	97.7	146.5#
43	322.9	199.4	299.2#
57	1432.5	875.6	1313.4#



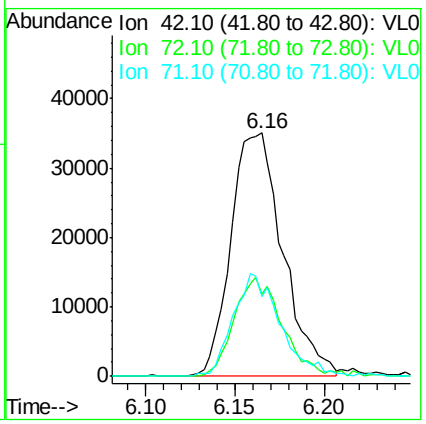


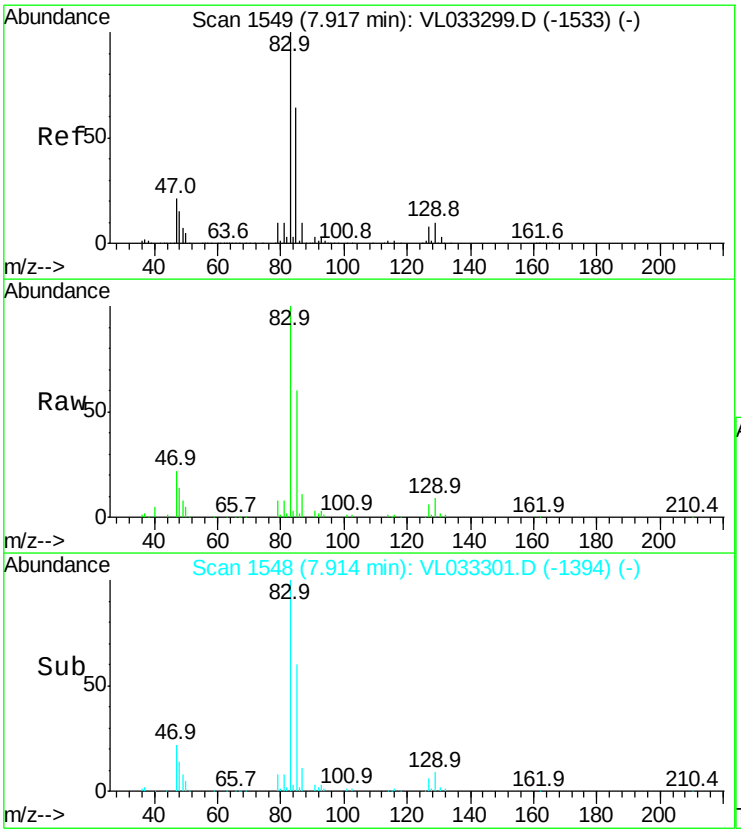
#41
Tetrahydrofuran
Concen: 1.062 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 42 Resp: 71050

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.8	46.2
71	38.0	30.0	45.0

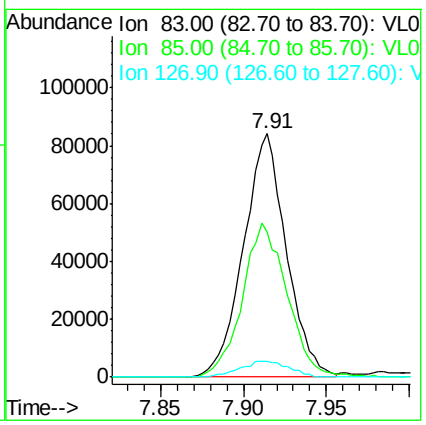


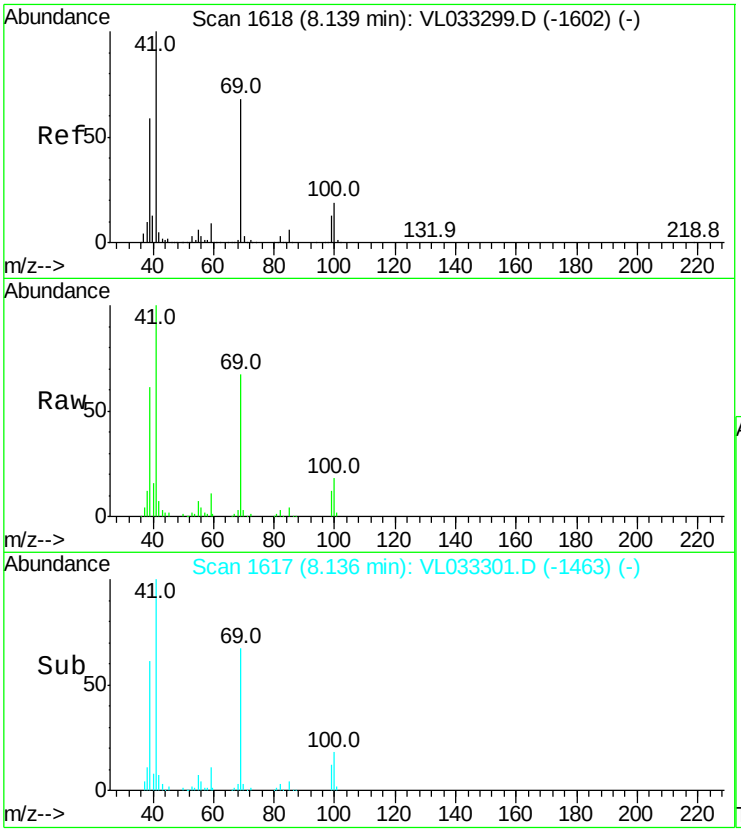


#42
Bromodichloromethane
Concen: 1.089 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 83 Resp: 151172

Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.0	76.4
127	6.3	6.6	10.0#



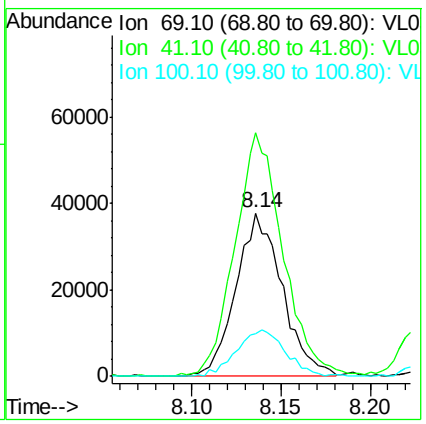


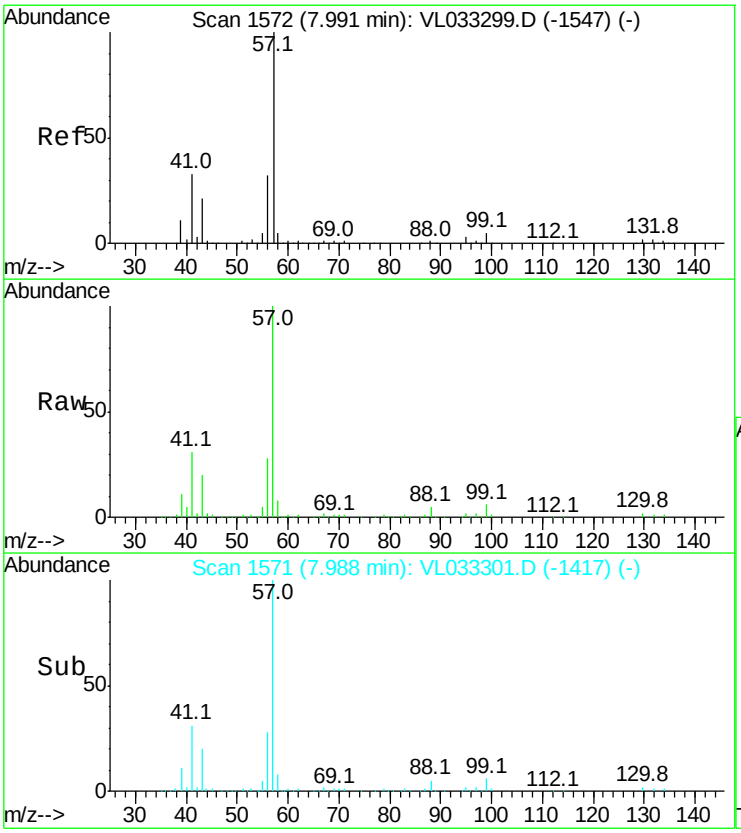
#43
Methyl Methacrylate
Concen: 1.045 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 68473

Ion	Ratio	Lower	Upper
69	100		
41	155.1	117.0	175.4
100	30.4	24.3	36.5

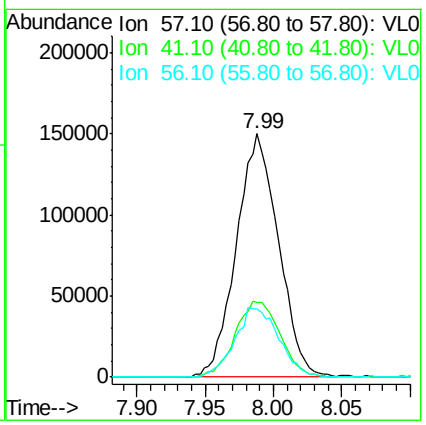


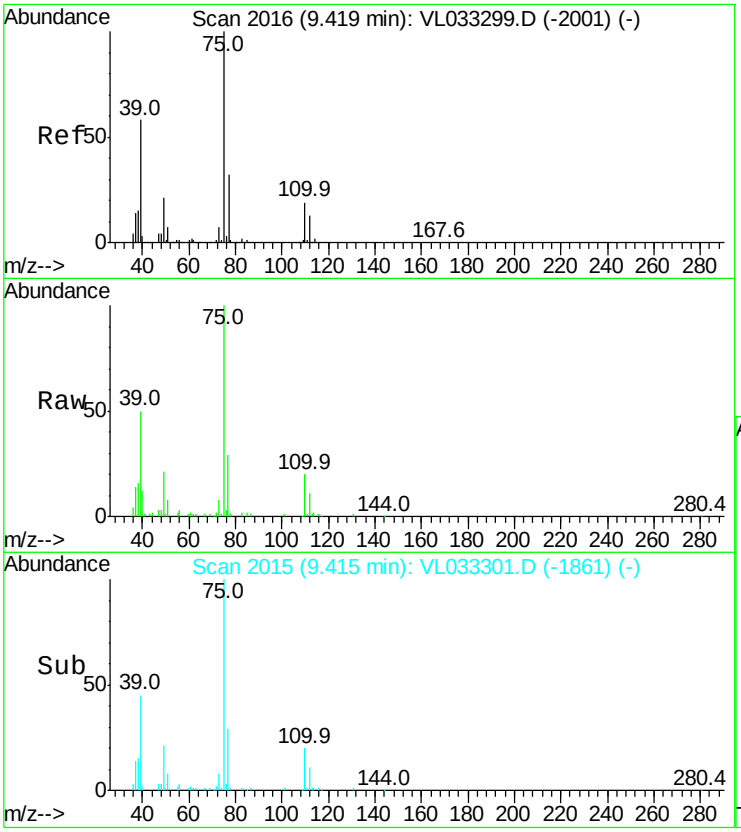


#44
2,2,4-Trimethylpentane
Concen: 1.126 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 57 Resp: 321525

Ion	Ratio	Lower	Upper
57	100		
41	33.1	25.9	38.9
56	30.0	24.6	36.8



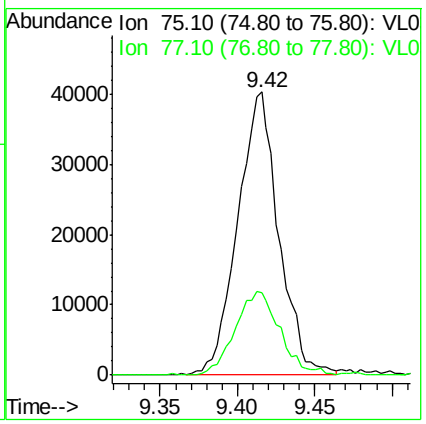


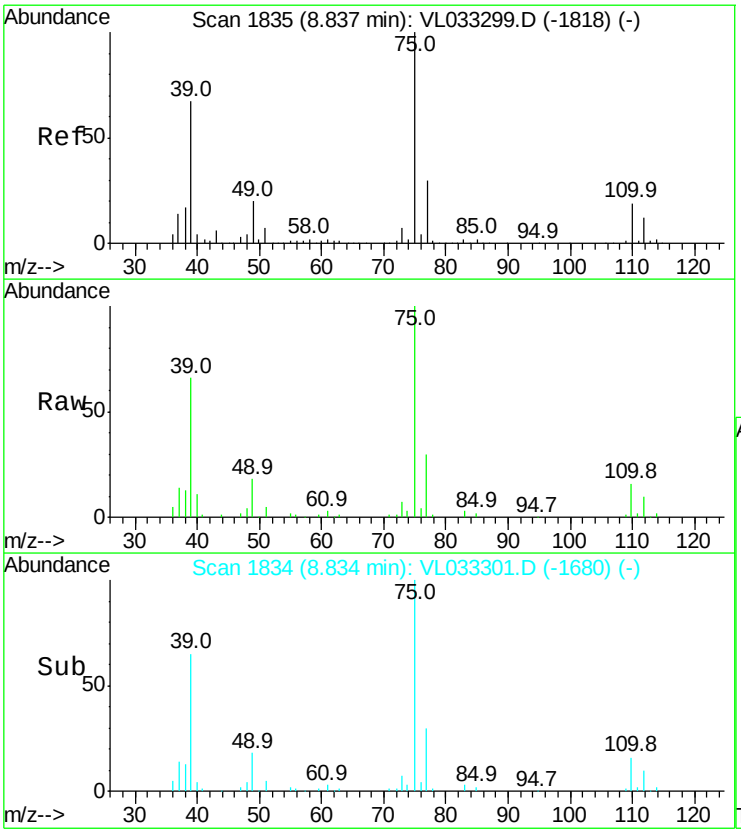
#45
t-1,3-Dichloropropene
Concen: 0.924 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 74405

Ion	Ratio	Lower	Upper
75	100		
77	29.0	25.3	37.9

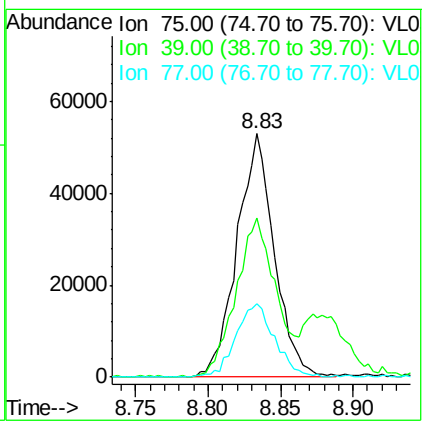


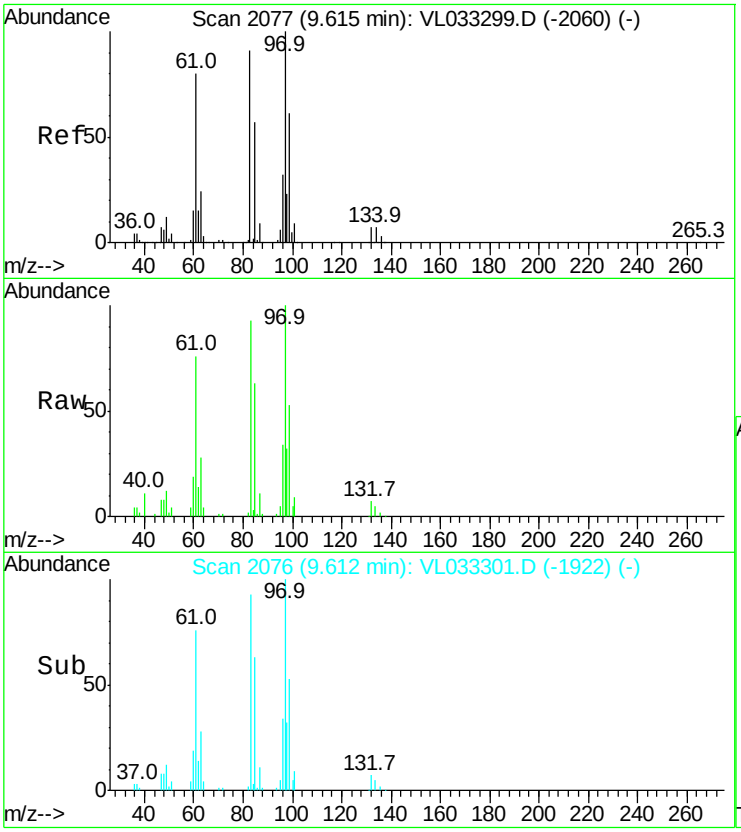


#46
cis-1,3-Dichloropropene
Concen: 1.004 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 75 Resp: 94764

Ion	Ratio	Lower	Upper
75	100		
39	65.5	53.4	80.2
77	30.0	23.7	35.5



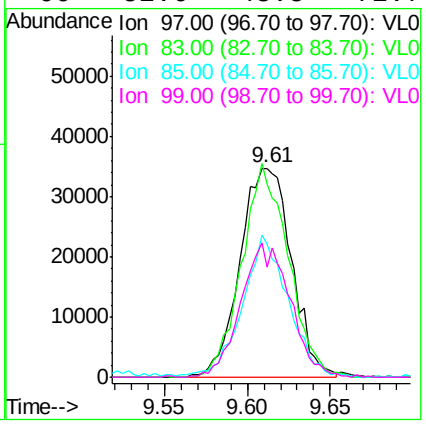


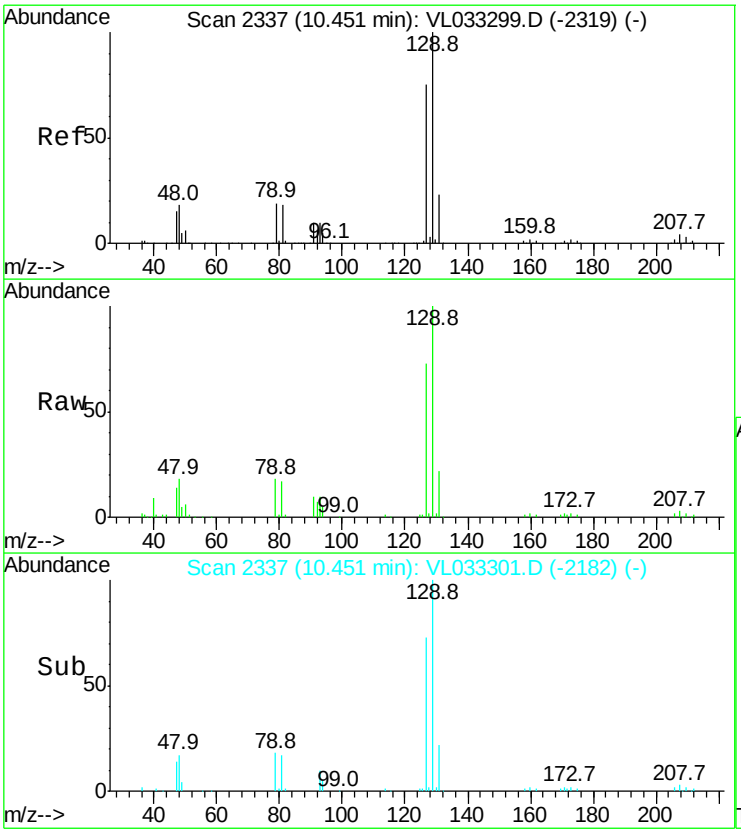
#47
1,1,2-Trichloroethane
Concen: 1.109 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 74920

Ion	Ratio	Lower	Upper
97	100		
83	92.6	72.7	109.1
85	62.0	45.6	68.4
99	52.6	48.5	72.7

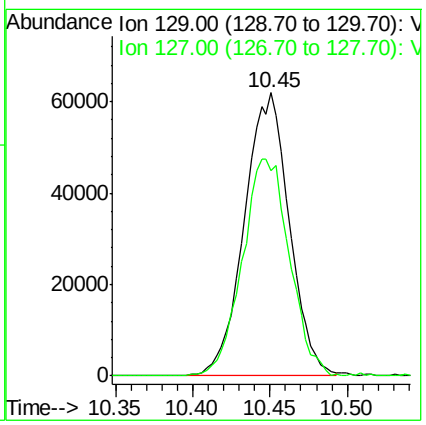


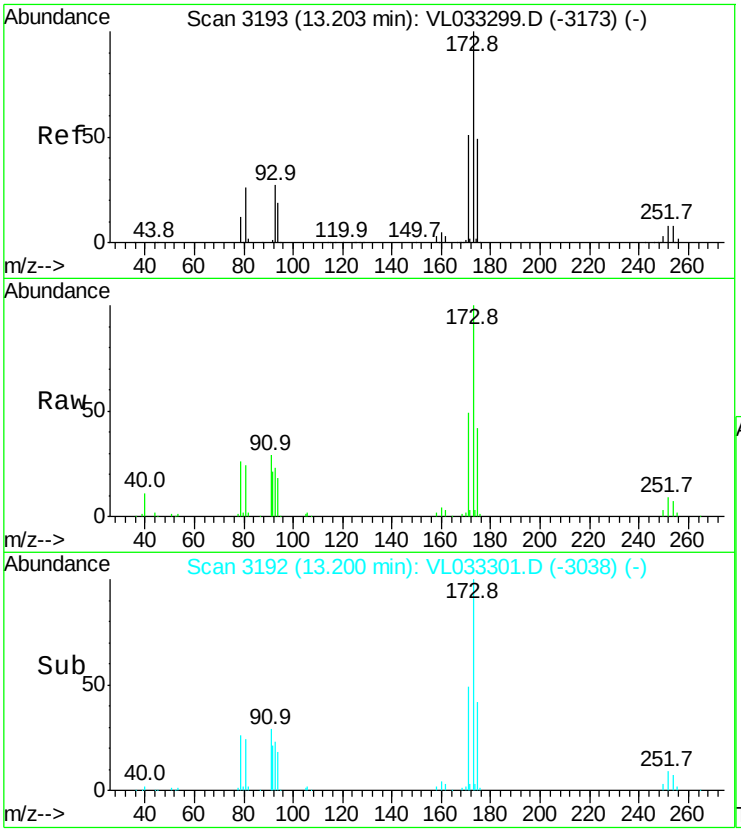


#48
Dibromochloromethane
Concen: 1.130 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:129 Resp: 125155

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.0	117.0



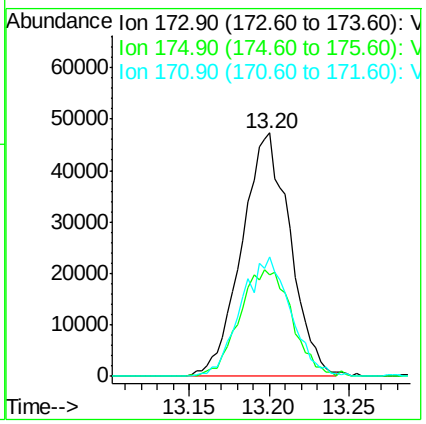


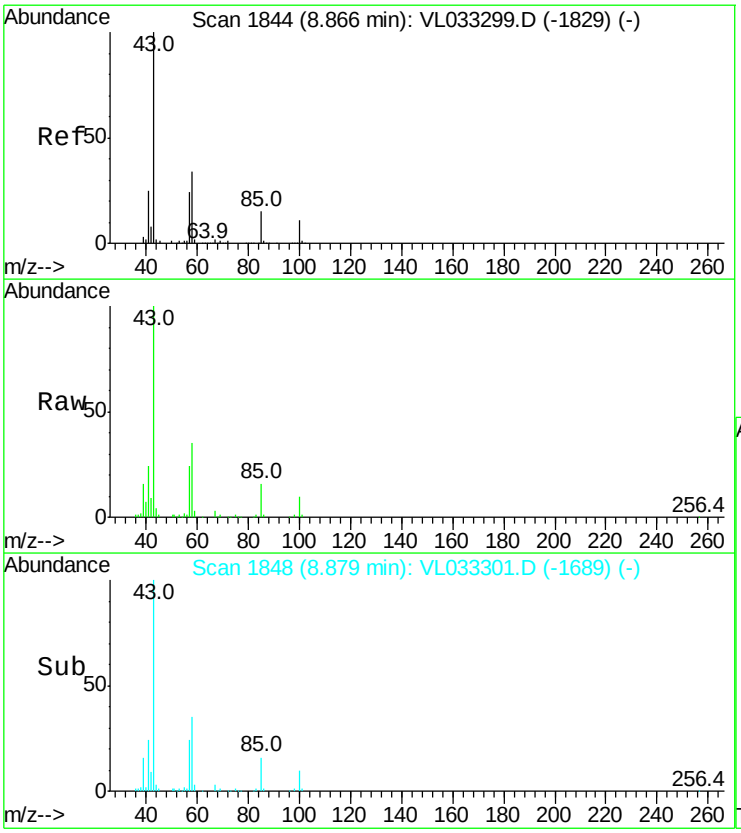
#49
Bromoform
Concen: 1.091 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 97994

Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.6	58.0
171	50.3	42.0	63.0

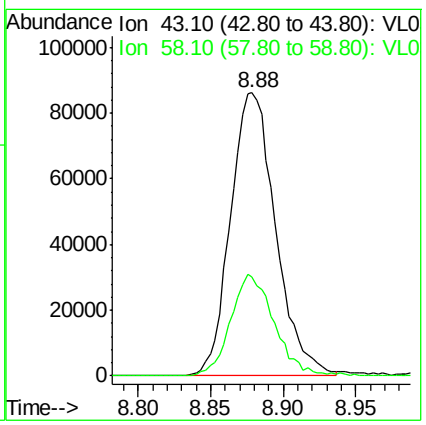


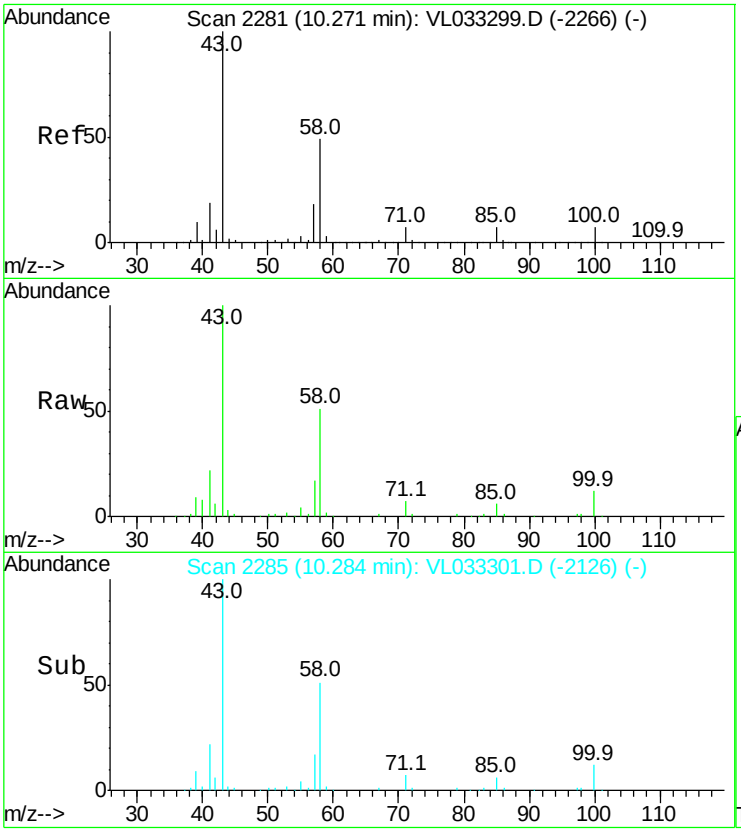


#50
4-Methyl-2-Pentanone
Concen: 1.085 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 43 Resp: 186613

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.2	42.2



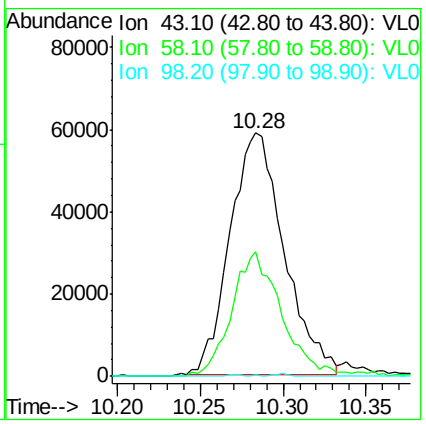


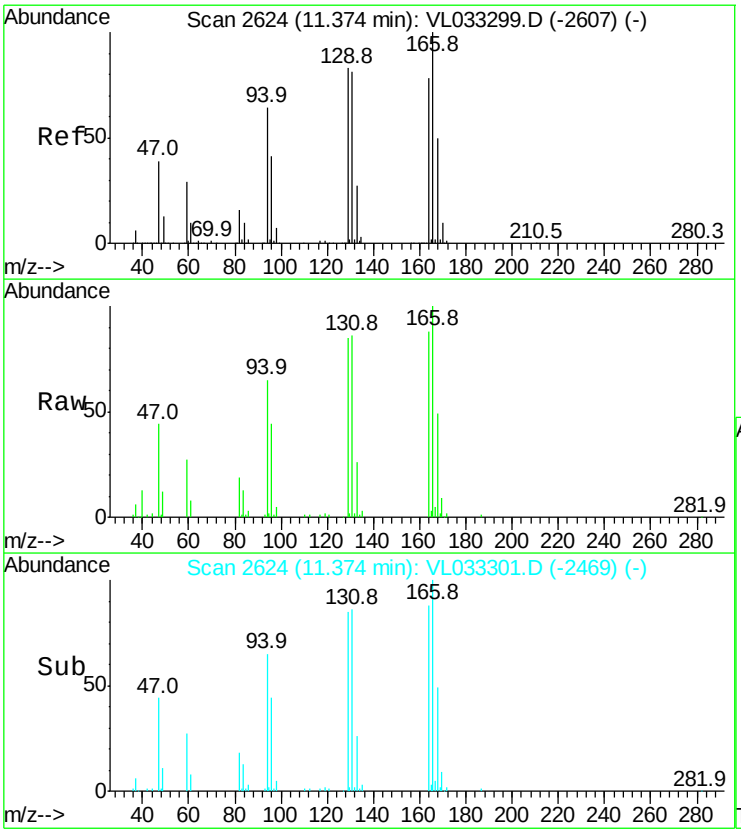
#51
2-Hexanone
Concen: 1.018 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 133711

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.4	57.6
98	0.3	0.2	0.2#

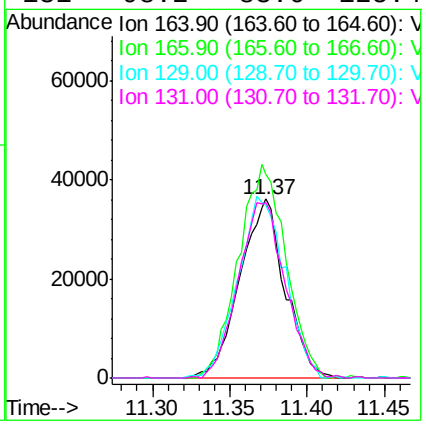


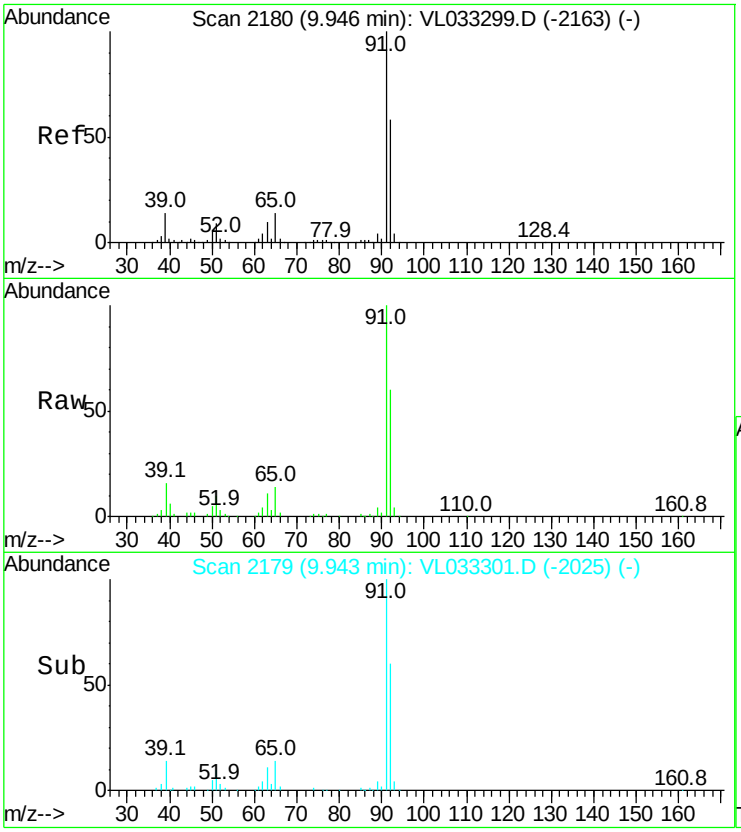


#52
Tetrachloroethene
Concen: 1.186 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:164 Resp: 73099

Ion	Ratio	Lower	Upper
164	100		
166	113.9	103.2	154.8
129	96.1	85.8	128.8
131	98.2	83.6	125.4



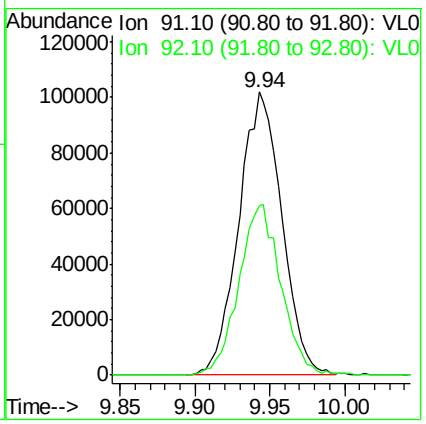


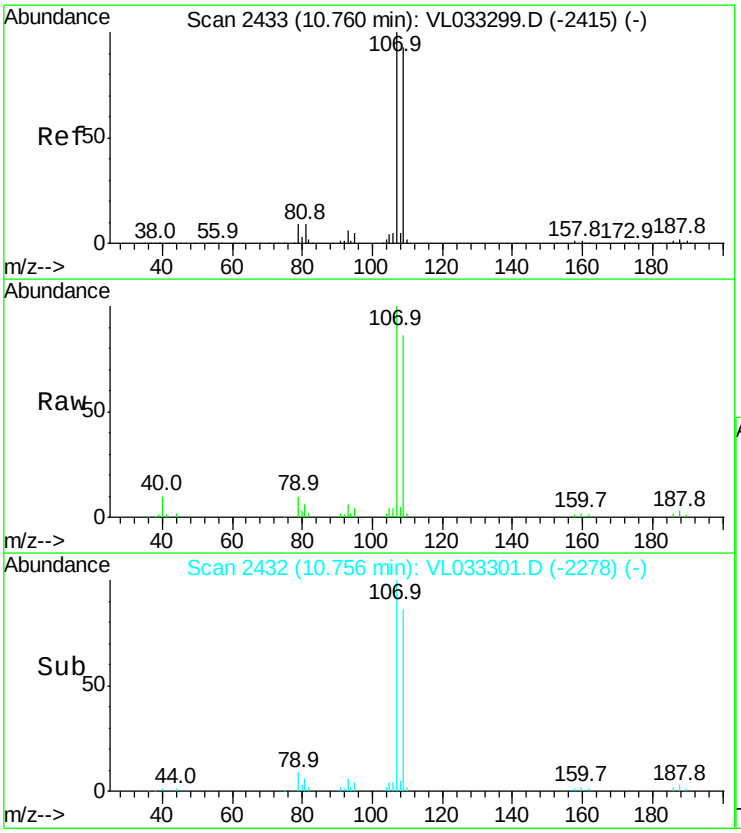
#53
Toluene
Concen: 1.055 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 204524

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.4	71.2

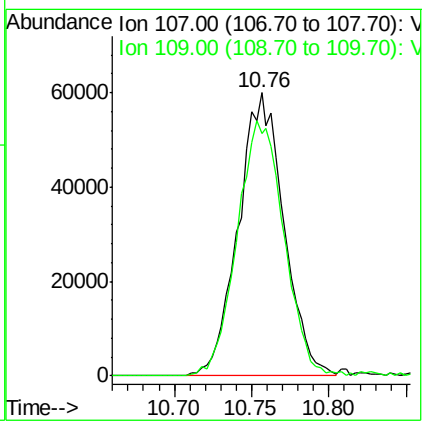


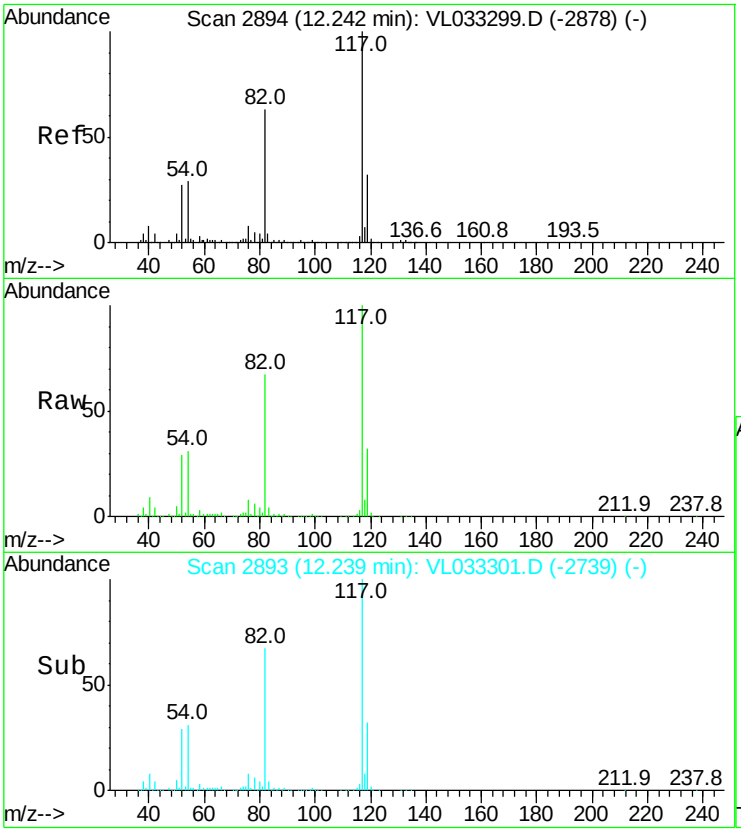


#54
1,2-Dibromoethane
Concen: 1.183 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:107 Resp: 122805

Ion	Ratio	Lower	Upper
107	100		
109	85.3	74.3	111.5



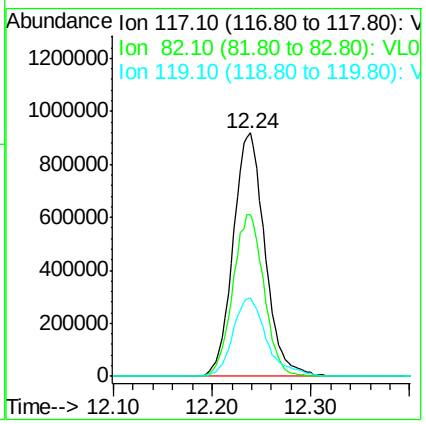


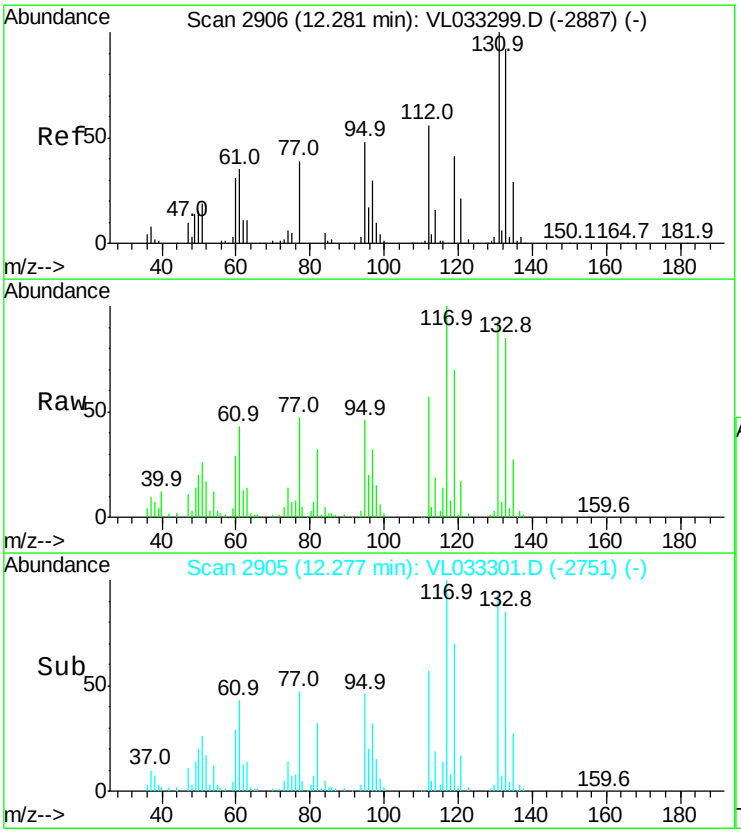
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2048235

Ion	Ratio	Lower	Upper
117	100		
82	65.1	51.3	76.9
119	34.1	27.0	40.4

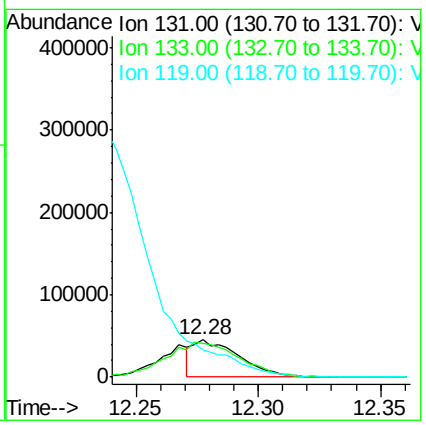


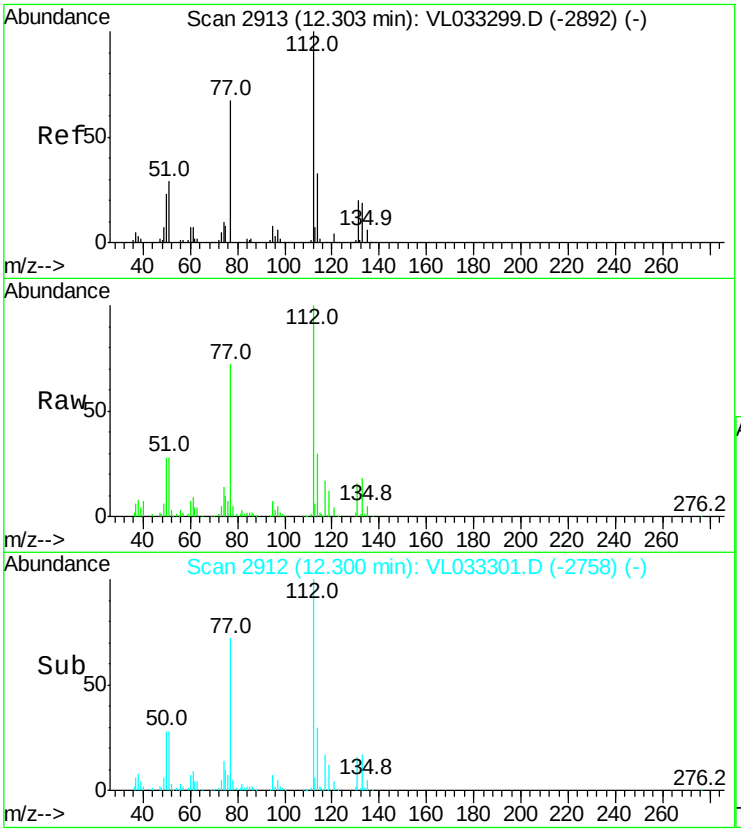


#56
1,1,1,2-Tetrachloroethane
Concen: 0.683 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:131 Resp: 59481

Ion	Ratio	Lower	Upper
131	100		
133	152.0	75.3	112.9#
119	0.0	45.0	67.4#



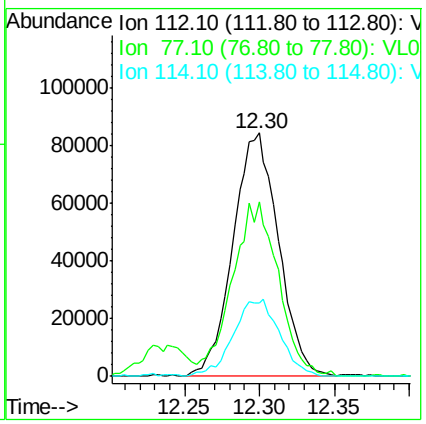


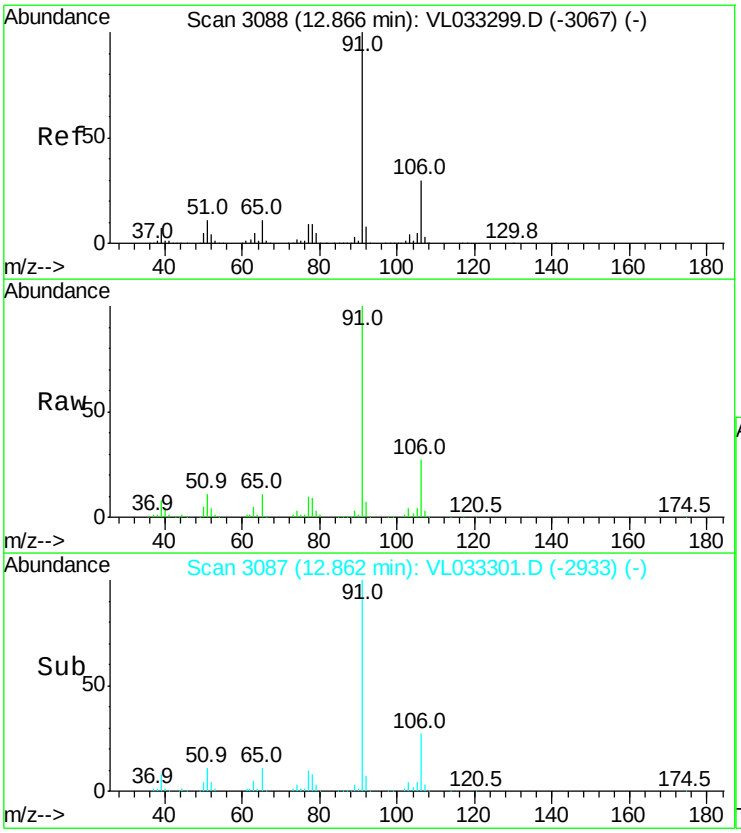
#57
Chlorobenzene
Concen: 1.150 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 177695

Ion	Ratio	Lower	Upper
112	100		
77	71.6	54.7	82.1
114	32.4	29.6	36.2

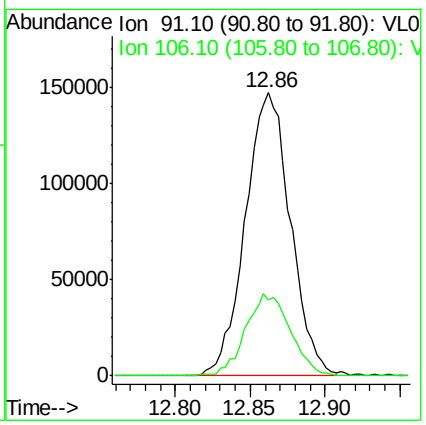


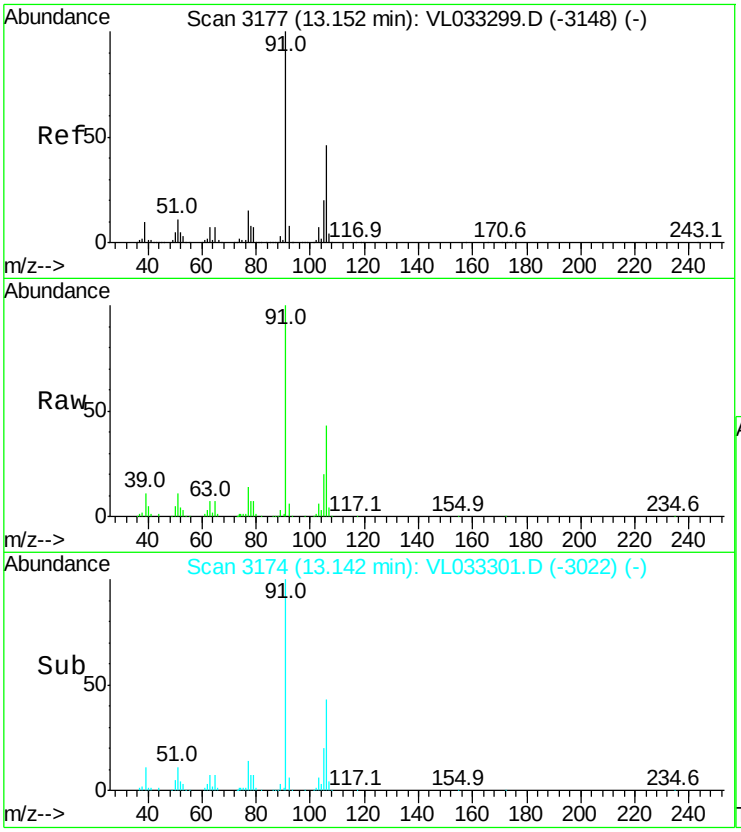


#58
Ethyl Benzene
Concen: 1.097 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 91 Resp: 308845

Ion	Ratio	Lower	Upper
91	100		
106	27.0	23.8	35.6



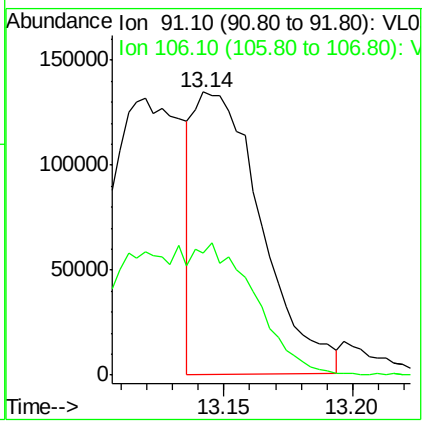


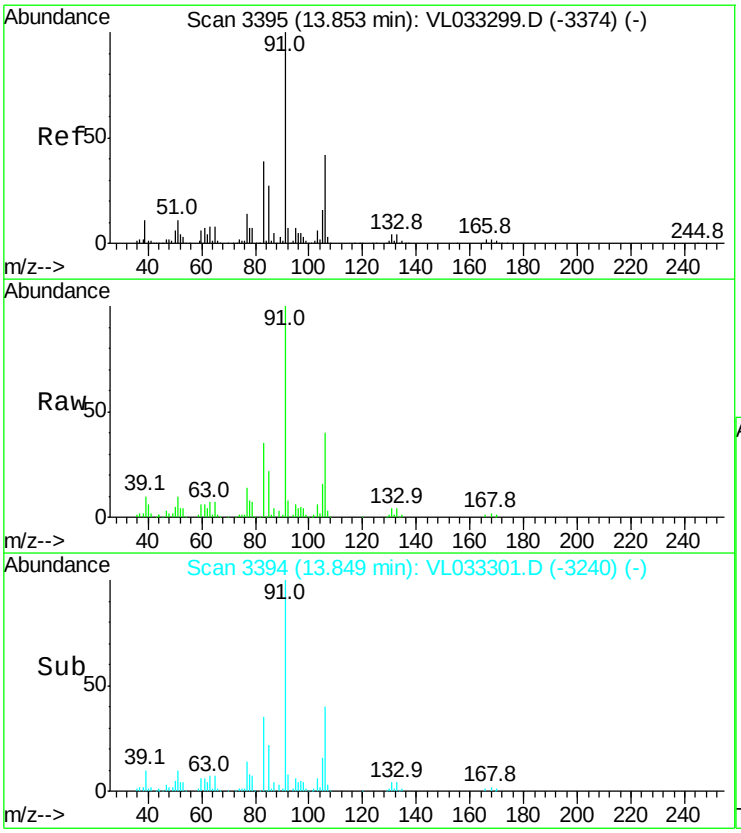
#59
m/p-Xylene
Concen: 1.036 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 243875

Ion	Ratio	Lower	Upper
91	100		
106	95.3	0.0	0.0#

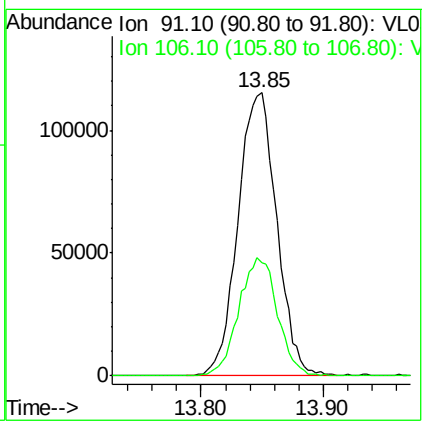


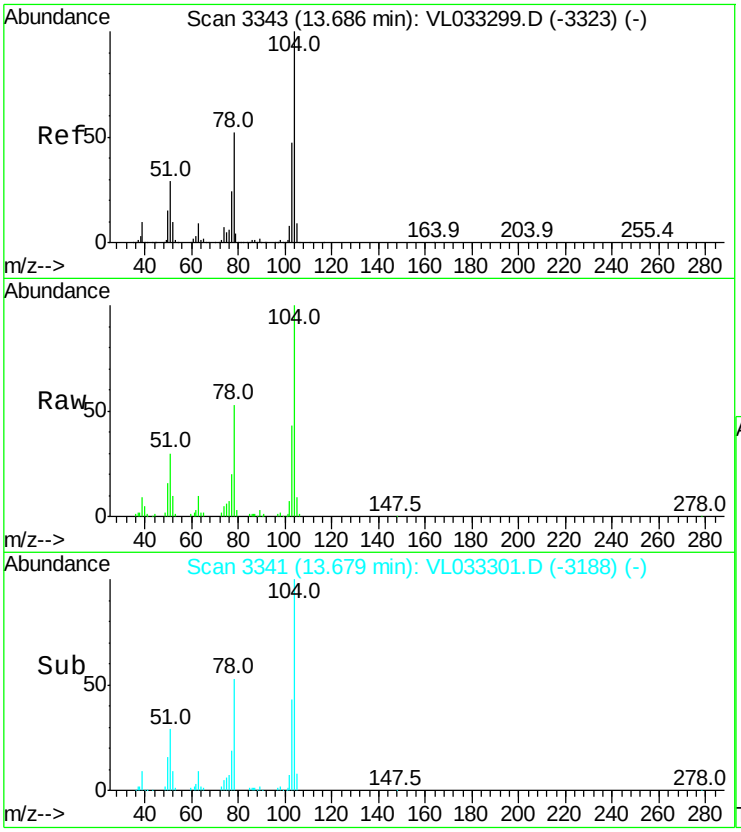


#60
o-Xylene
Concen: 1.113 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 91 Resp: 251951

Ion	Ratio	Lower	Upper
91	100		
106	41.8	21.4	64.3



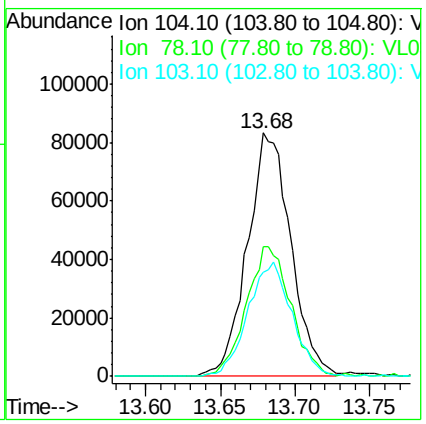


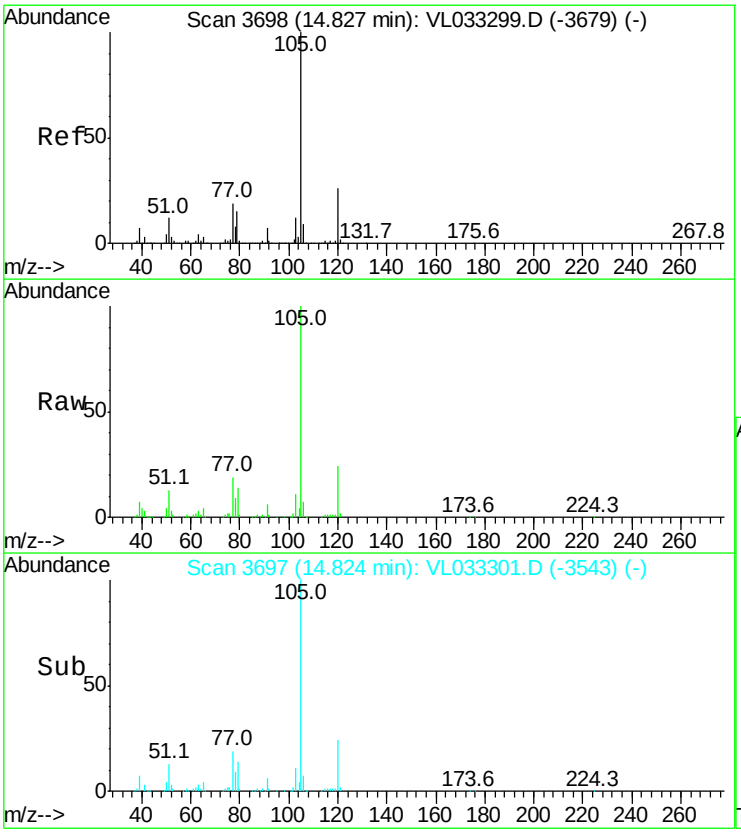
#61
Styrene
Concen: 1.044 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 168201

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.3	64.9
103	47.6	38.2	57.2

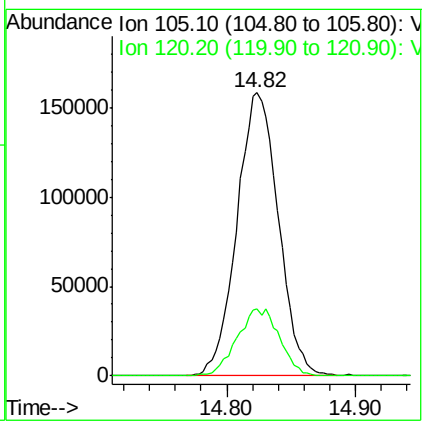


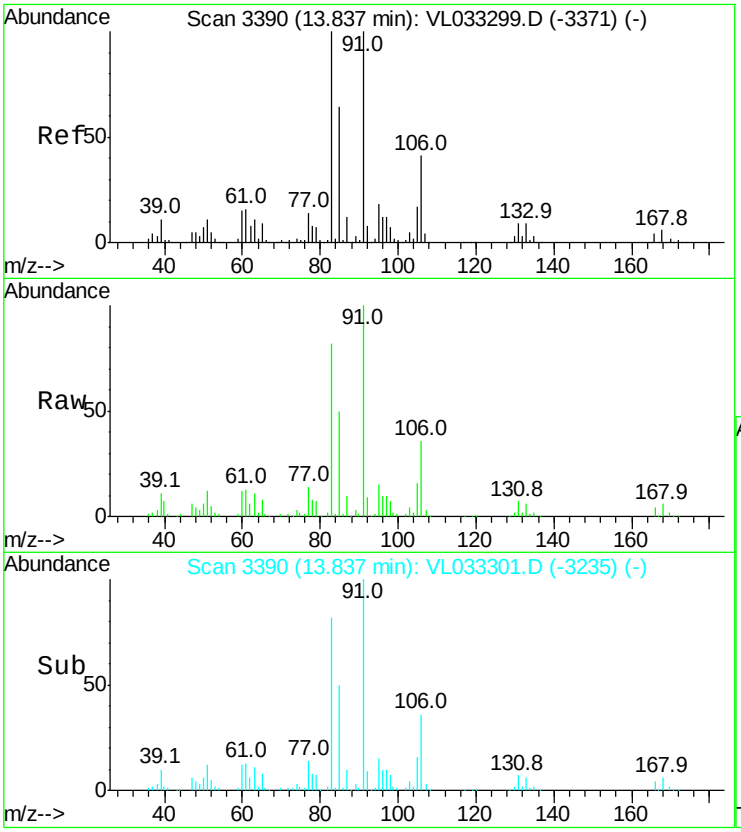


#62
Isopropylbenzene
Concen: 1.119 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:105 Resp: 352768

Ion	Ratio	Lower	Upper
105	100		
120	24.5	19.9	29.9



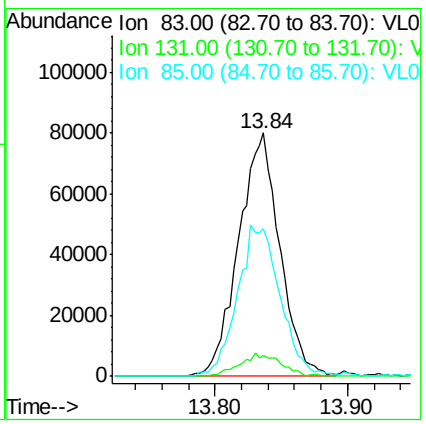


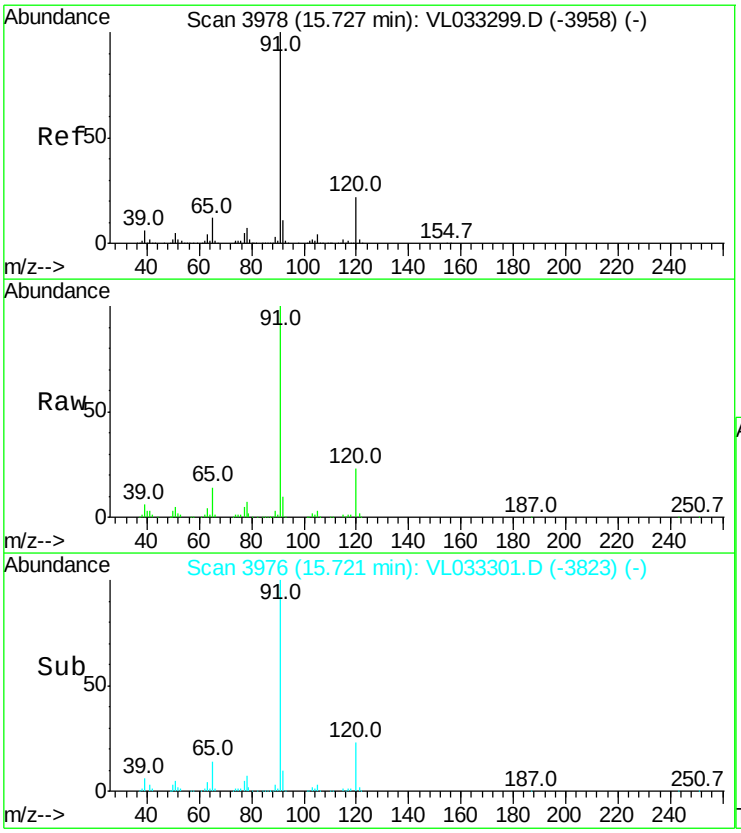
#63
1,1,2,2-Tetrachloroethane
Concen: 1.139 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 172804

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	64.4	32.5	97.4

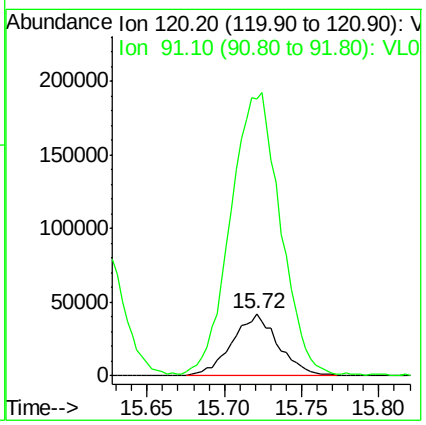


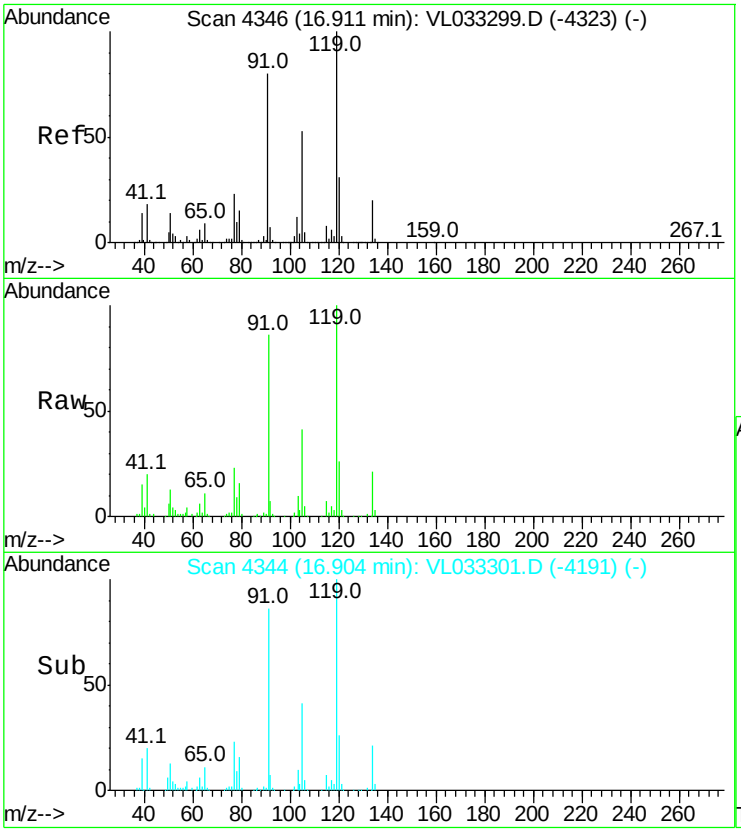


#64
n-propylbenzene
Concen: 1.121 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:120 Resp: 86993

Ion	Ratio	Lower	Upper
120	100		
91	500.3	393.7	590.5



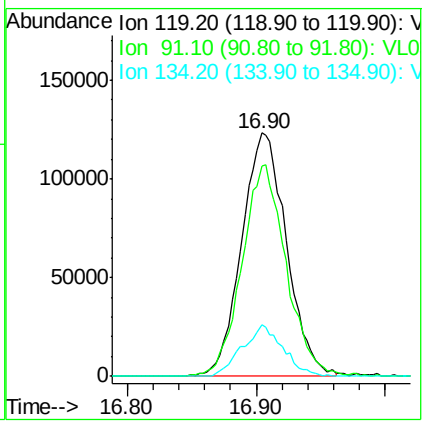


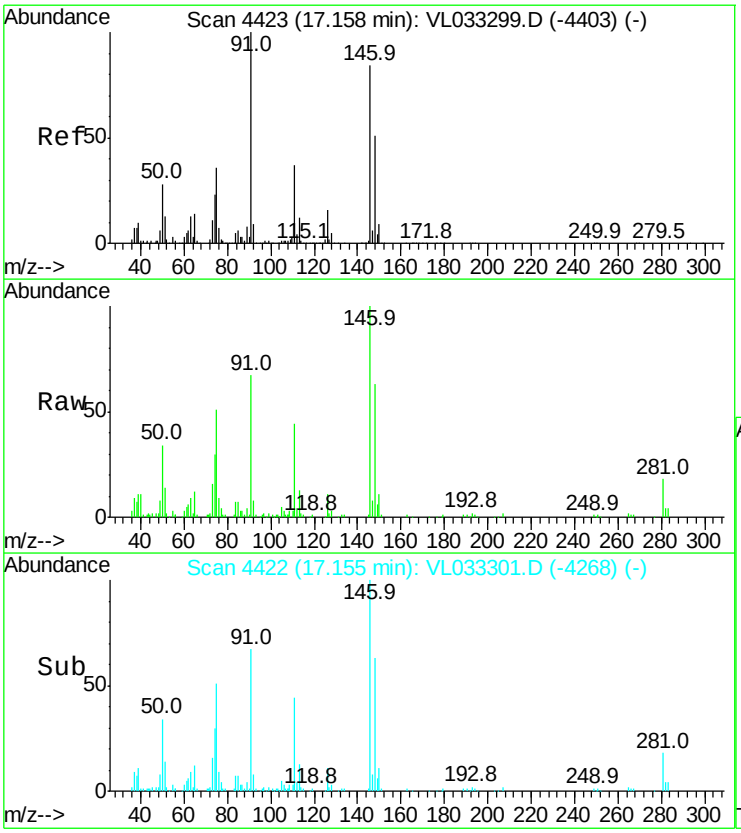
#65
tert-Butylbenzene
Concen: 1.120 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 298210

Ion	Ratio	Lower	Upper
119	100		
91	86.0	66.4	99.6
134	19.2	15.4	23.2

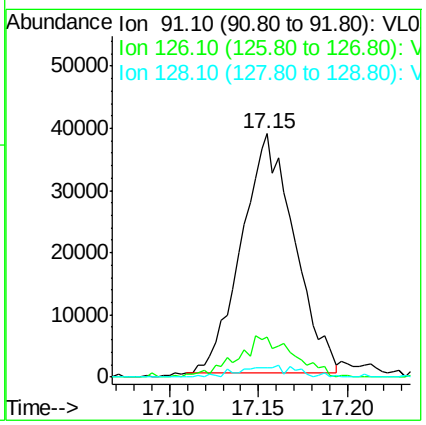


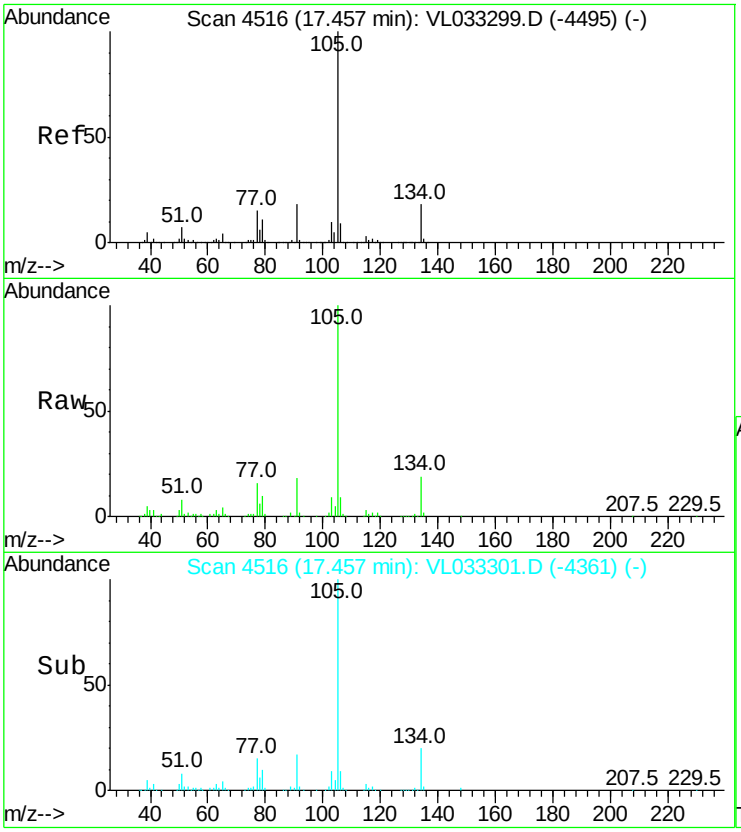


#66
Benzyl Chloride
Concen: 0.774 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 91 Resp: 79836

Ion	Ratio	Lower	Upper
91	100		
126	18.5	12.9	19.3
128	5.1	4.2	6.2



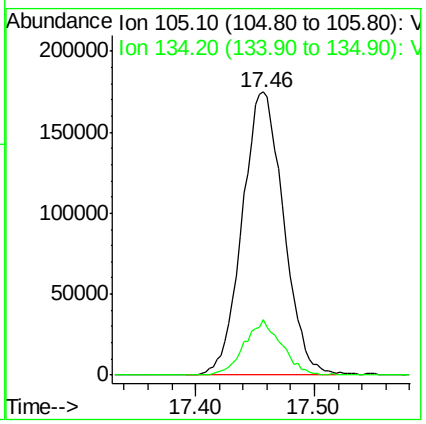


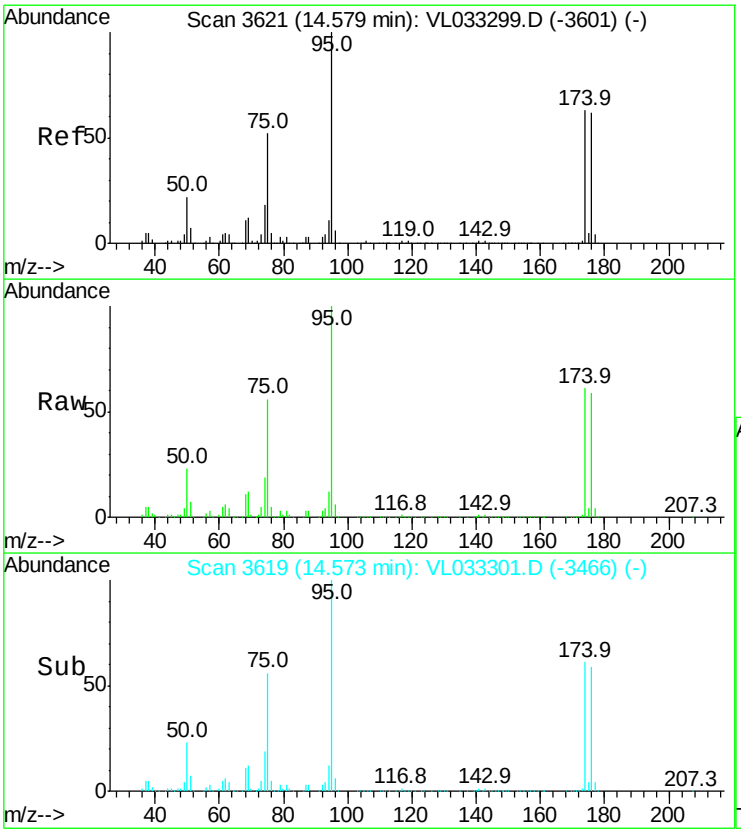
#67
sec-Butylbenzene
Concen: 1.110 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 420384

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.2

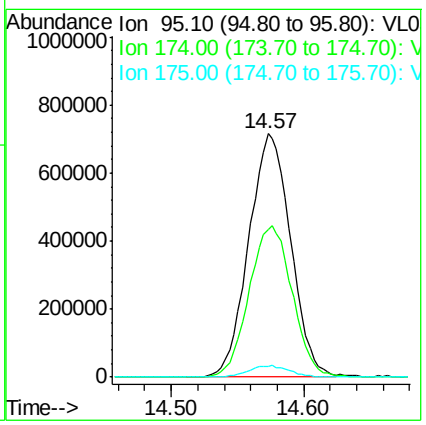


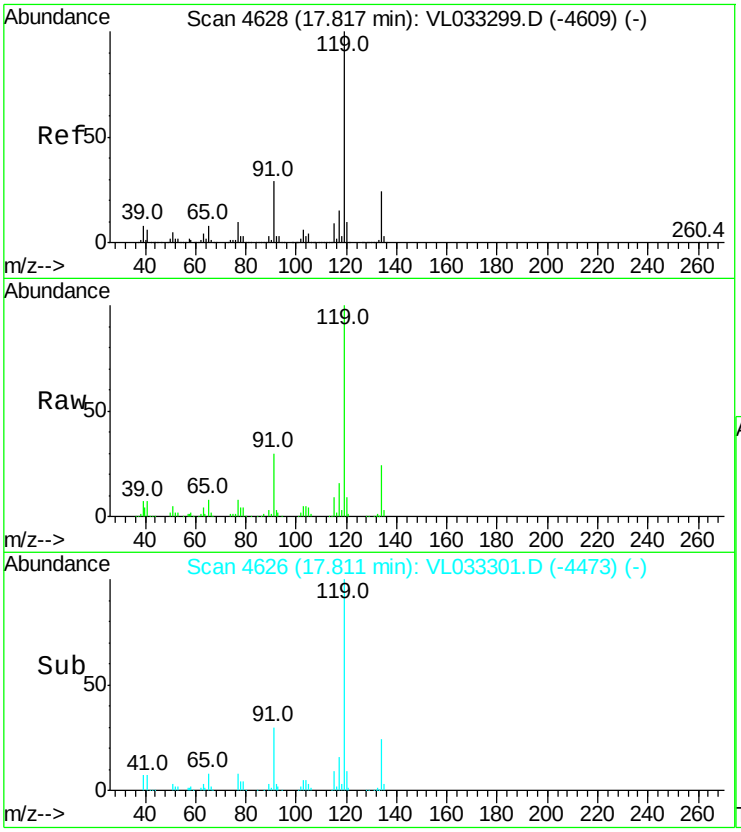


#68
1-Bromo-4-Fluorobenzene
Concen: 9.945 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 95 Resp: 1573088

Ion	Ratio	Lower	Upper
95	100		
174	64.3	51.9	77.9
175	4.7	3.9	5.9



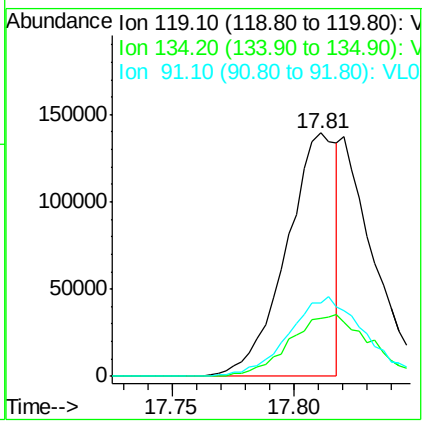


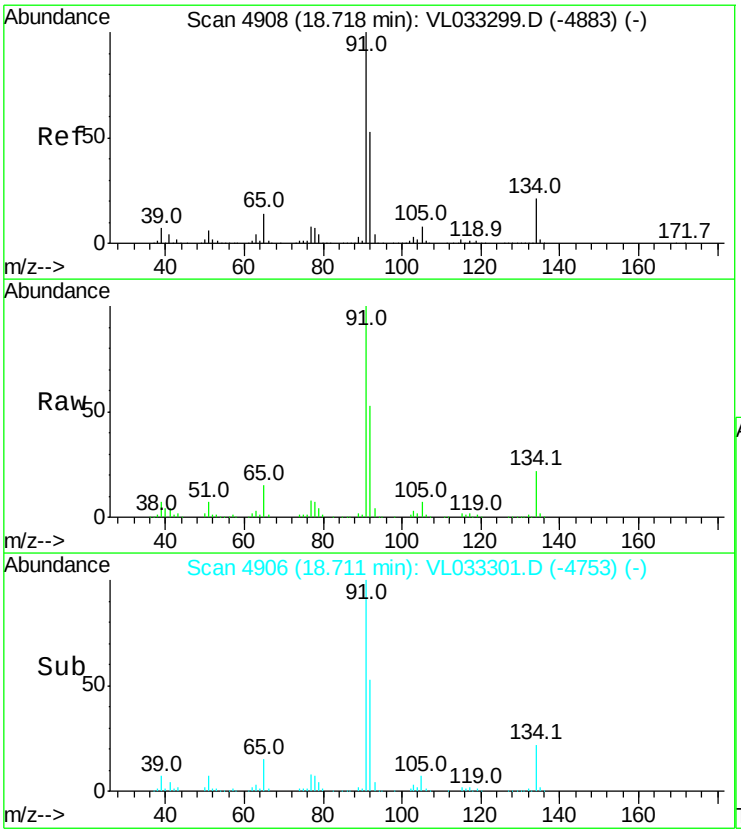
#69
p-Isopropyltoluene
Concen: 0.647 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 198087

Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.8	29.6#
91	0.0	23.8	35.8#

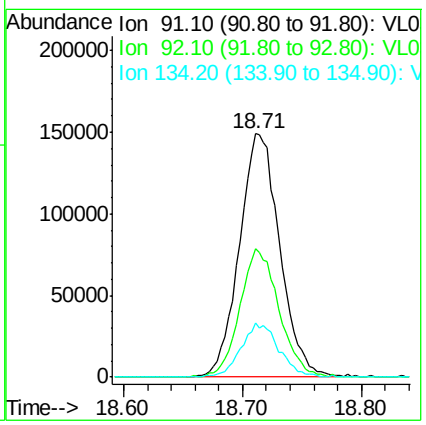


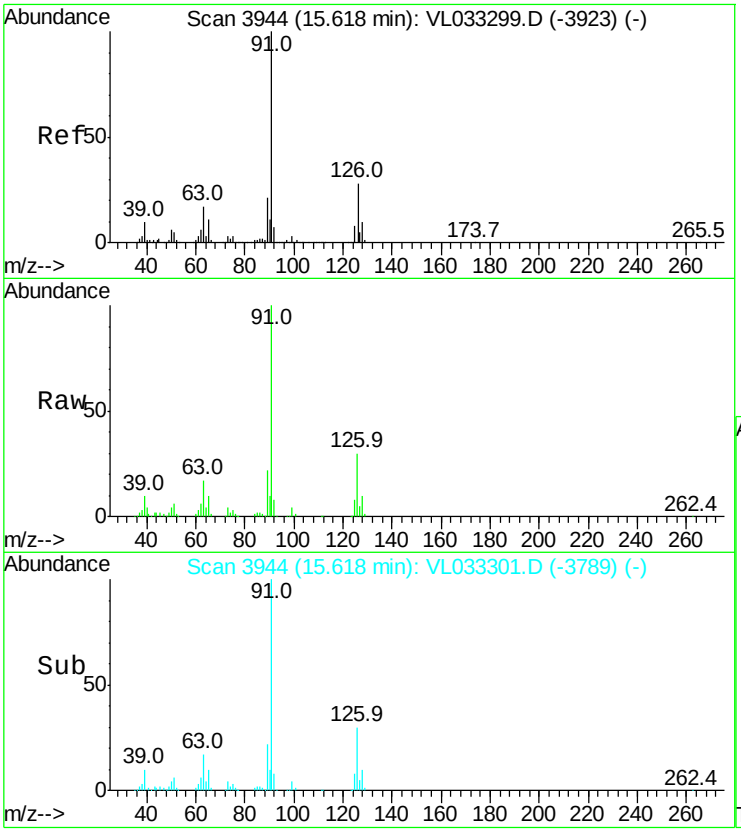


#70
n-Butylbenzene
Concen: 1.064 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion: 91 Resp: 349683

Ion	Ratio	Lower	Upper
91	100		
92	51.2	42.6	63.8
134	20.7	17.4	26.0



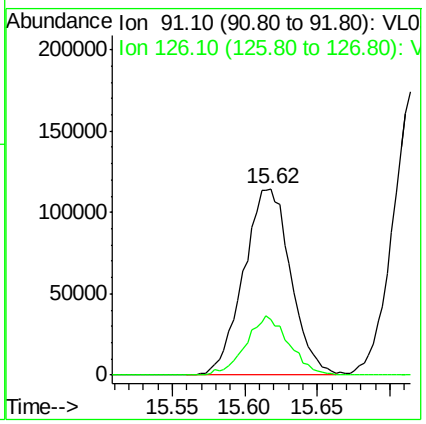


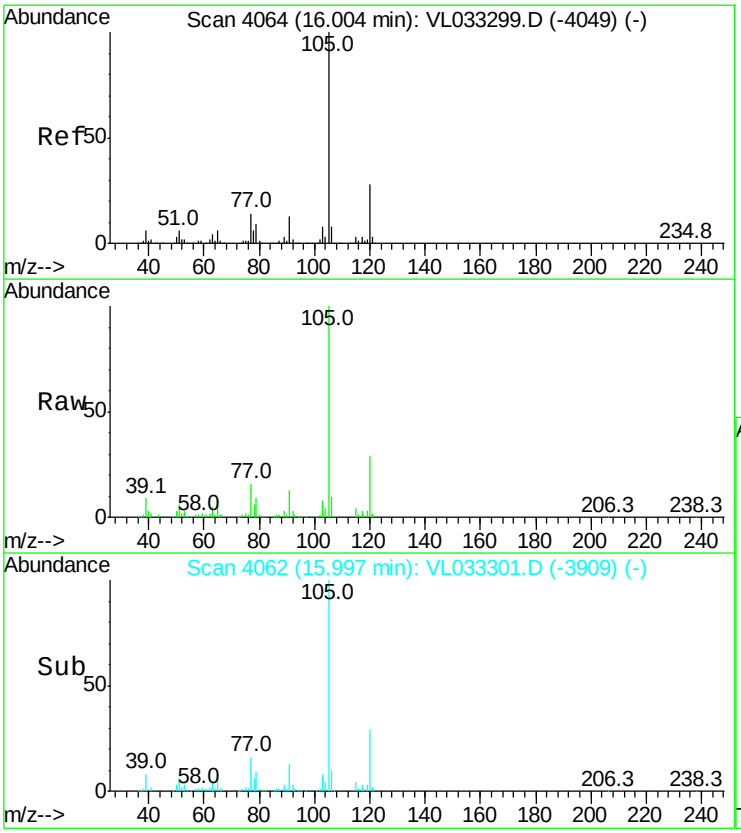
#71
2-Chlorotoluene
Concen: 1.088 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 258577

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.8	47.0

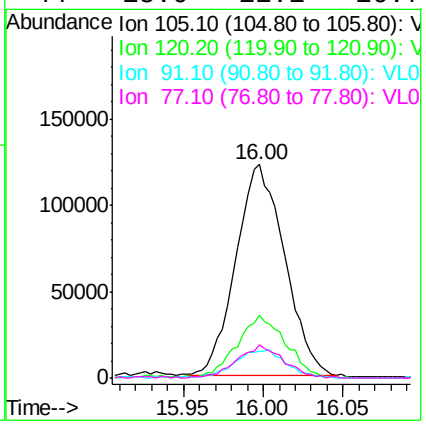


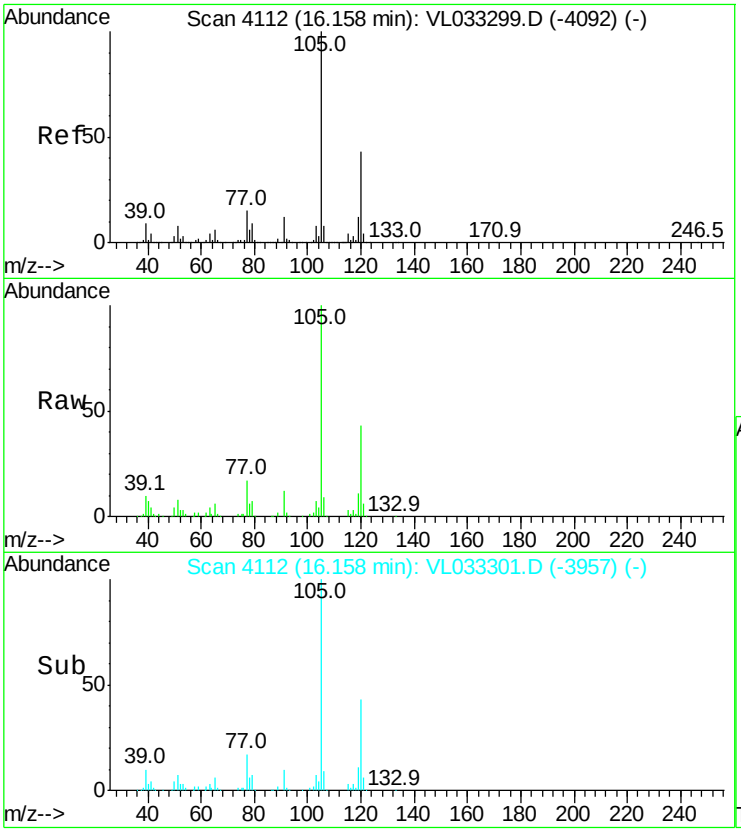


#72
4-Ethyltoluene
Concen: 1.042 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:105 Resp: 254720

Ion	Ratio	Lower	Upper
105	100		
120	30.8	22.7	34.1
91	14.2	10.3	15.5
77	15.0	11.1	16.7



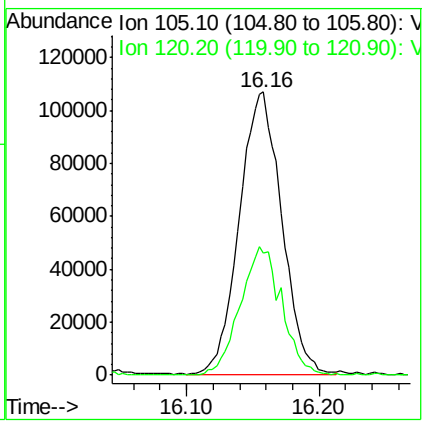


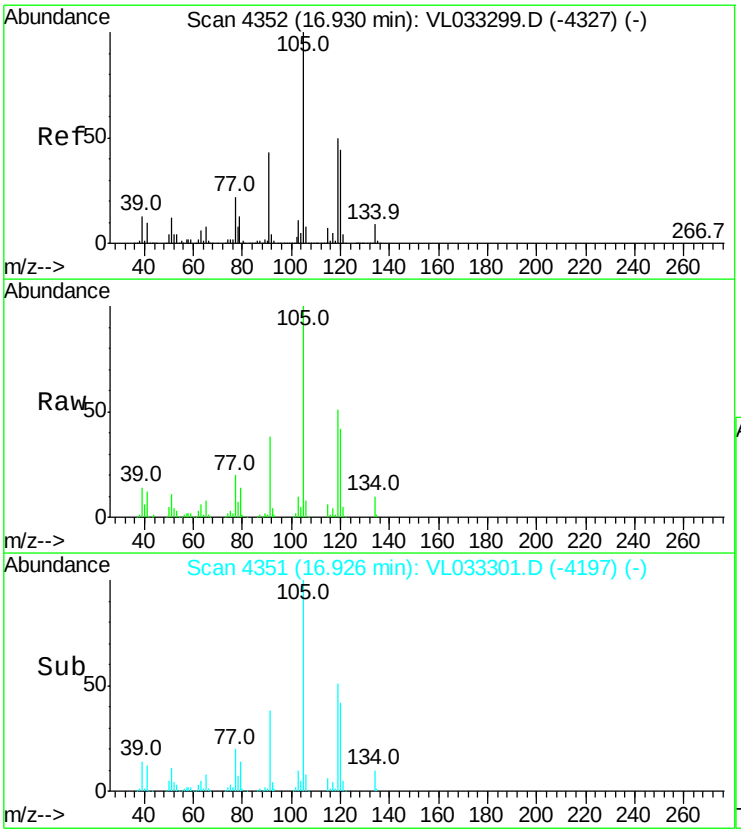
#73
1,3,5-Trimethylbenzene
Concen: 1.025 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 236105

Ion	Ratio	Lower	Upper
105	100		
120	43.2	34.6	52.0

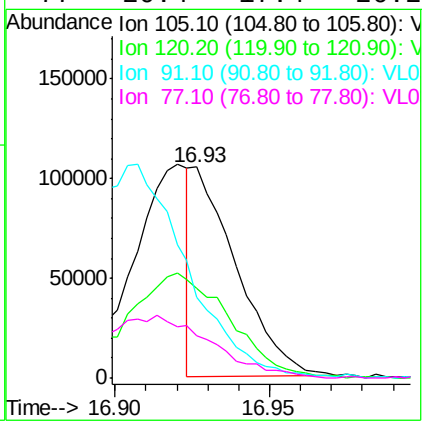


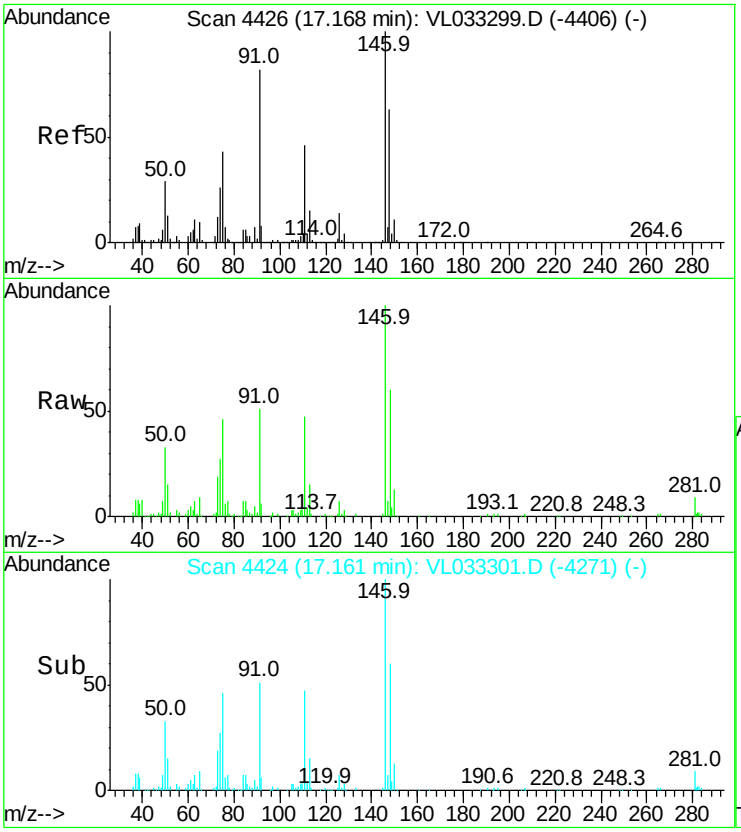


#74
1,2,4-Trimethylbenzene
Concen: 0.441 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:105 Resp: 103438

Ion	Ratio	Lower	Upper
105	100		
120	42.1	35.2	52.8
91	38.2	34.0	51.0
77	20.4	17.4	26.2



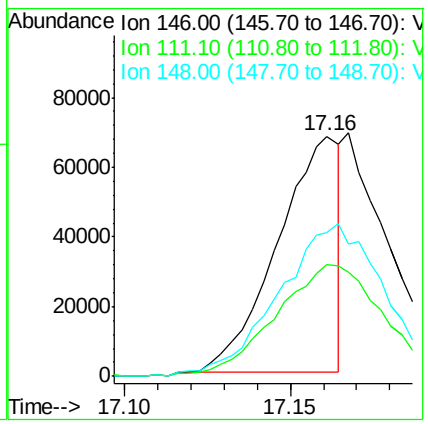


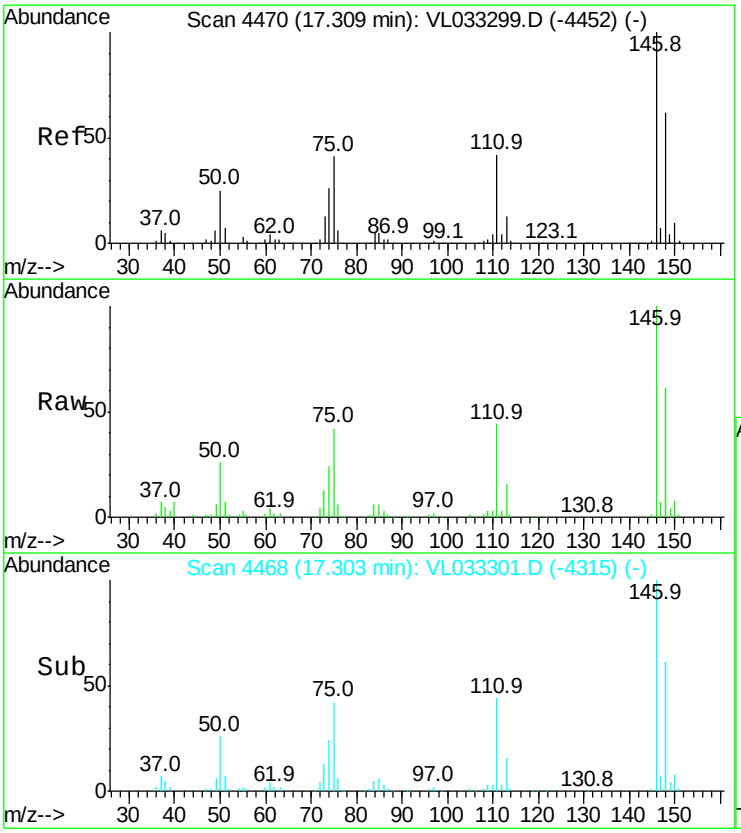
#75
1,3-Dichlorobenzene
Concen: 0.631 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 88694

Ion	Ratio	Lower	Upper
146	100		
111	83.6	22.9	68.7#
148	0.0	32.4	97.0#

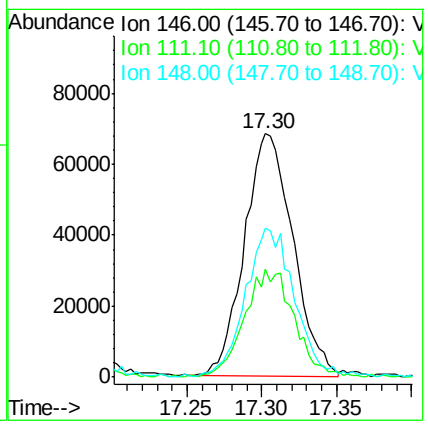


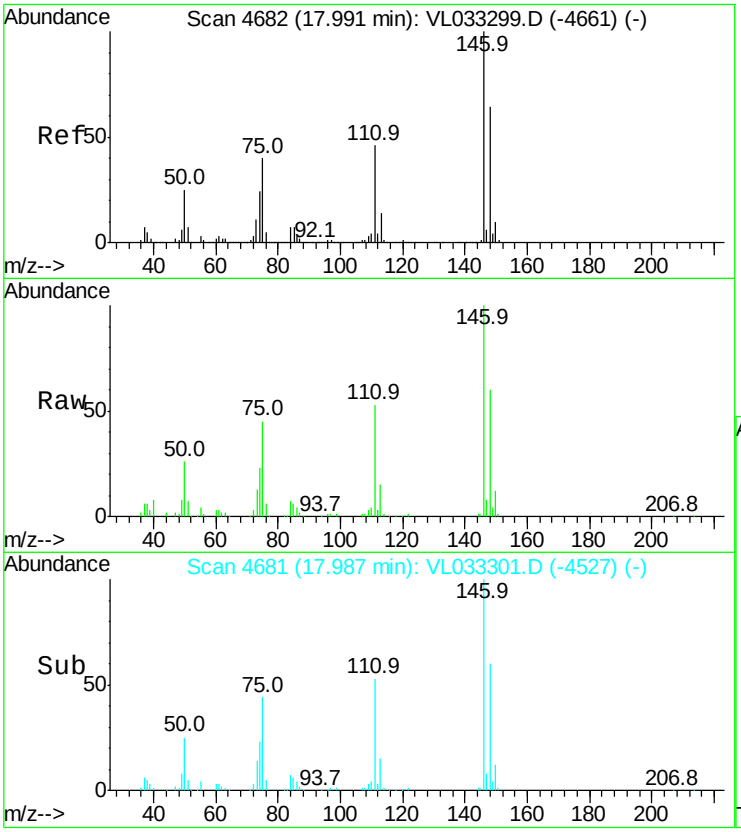


#76
1,4-Dichlorobenzene
Concen: 1.116 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:146 Resp: 155128

Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.9	65.5
148	62.8	31.8	95.4



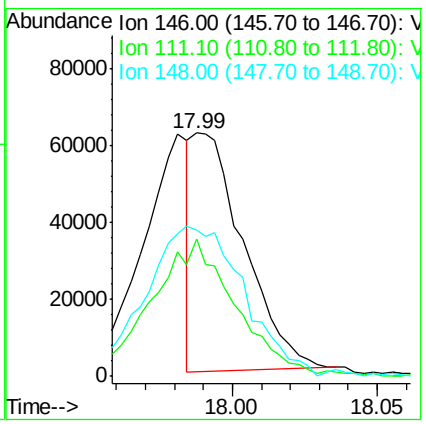


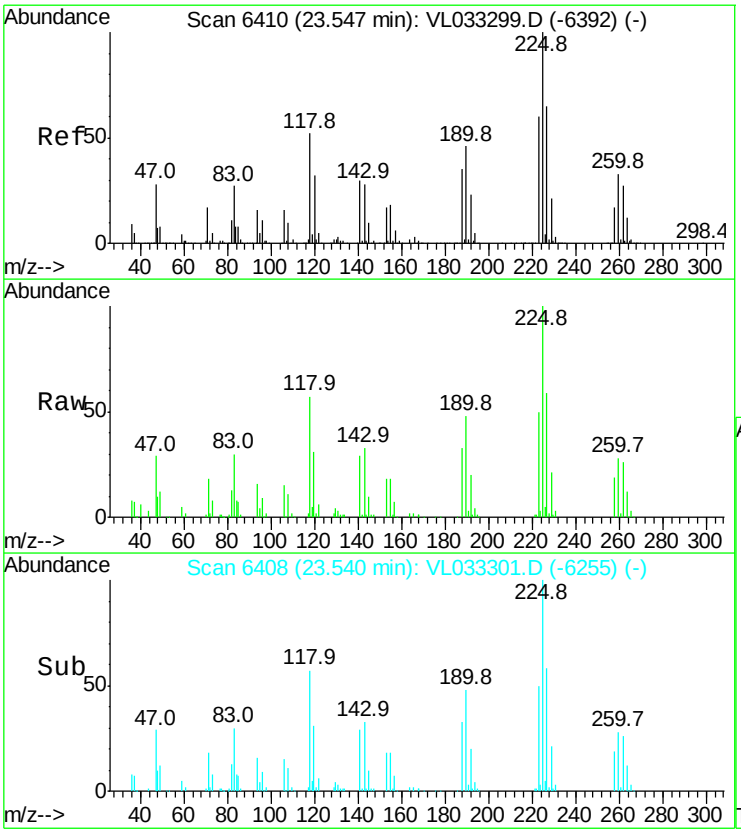
#77
1,2-Dichlorobenzene
Concen: 0.539 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 75399

Ion	Ratio	Lower	Upper
146	100		
111	98.2	23.2	69.6#
148	0.0	32.0	96.0#

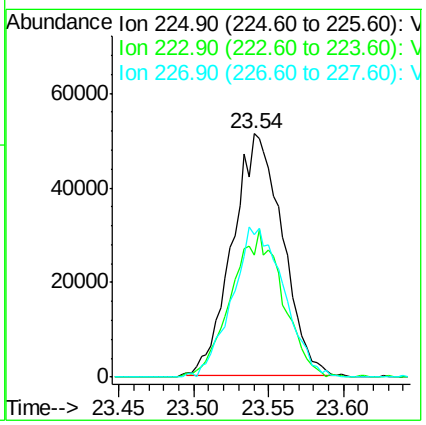


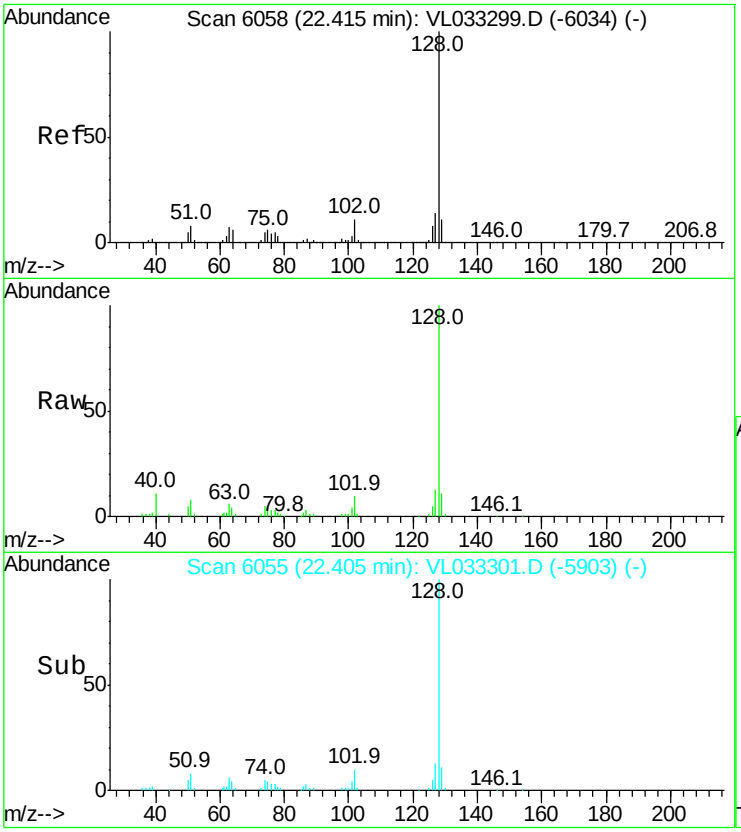


#78
Hexachloro-1,3-Butadiene
Concen: 1.027 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:225 Resp: 119797

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.3	75.5
227	63.8	51.2	76.8



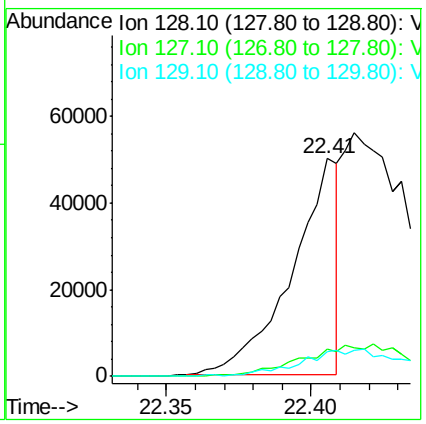


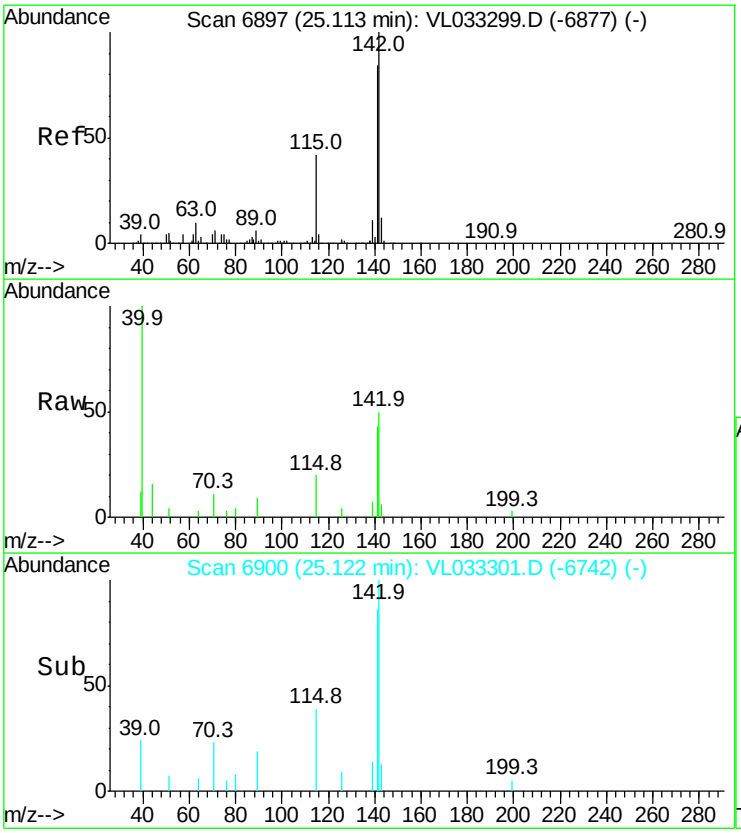
#79
Naphthalene
Concen: 0.217 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 55135

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.6	8.9	13.3

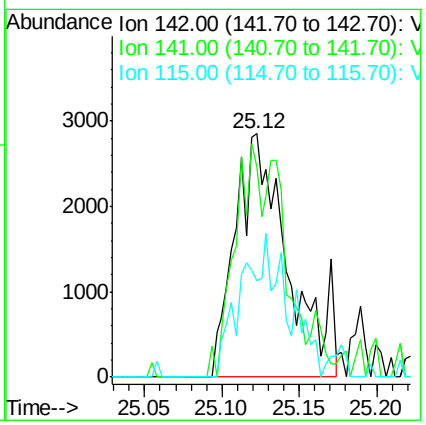


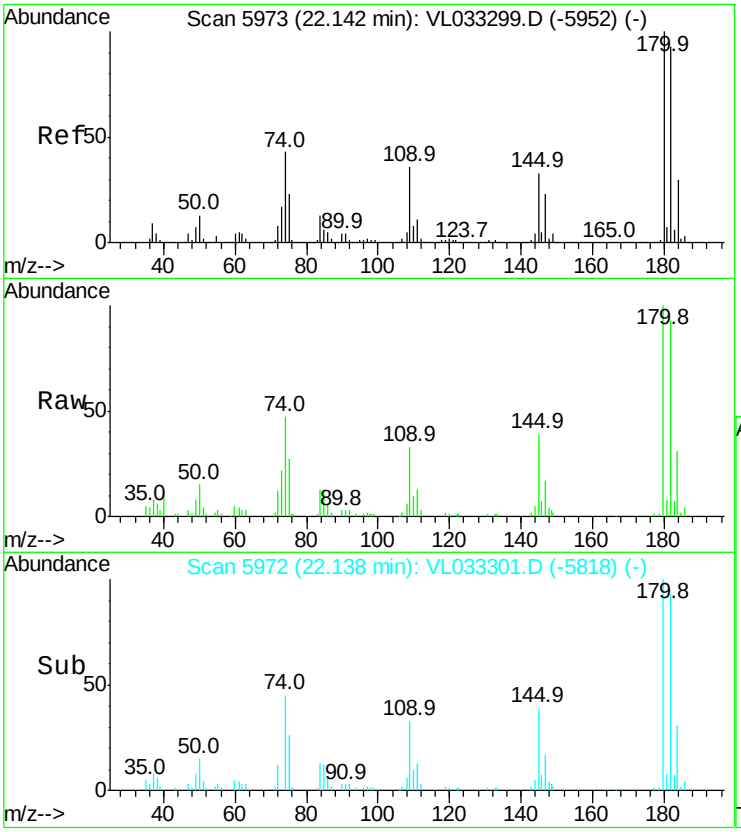


#80
Naphthalene,2-methyl-
Concen: 0.097 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Tgt Ion:142 Resp: 6760

Ion	Ratio	Lower	Upper
142	100		
141	94.7	67.2	100.8
115	54.8	33.6	50.4#





#81
1,2,4-Trichlorobenzene
Concen: 0.441 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033301.D
Acq: 13 Mar 2019 17:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 59010

Ion	Ratio	Lower	Upper
180	100		
182	164.4	76.4	114.6#
184	51.1	24.6	36.8#