Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101619\

Quantitation Report (Not Reviewed)

Data File : VL034299.D
Acq On : 16 Oct 2019 13:33
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Oct 16 16:54:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 16 16:52:05 2019
QLast Update : Wed Oct 16 16:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1212884	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2312455	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2445041	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	2038090	9.59	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	504472	2.816	ppbv	95
3) Chlorodifluoromethane	2.97	51	293694	2.065	ppbv	98
4) Chloromethane	3.12	50	174163	2.084	ppbv	97
5) Vinyl Chloride	3.24	62	154523	2.023	ppbv	95
6) Bromomethane	3.46	94	77010	2.161	ppbv	84
7) Chloroethane	3.55	64	58483	2.191	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	383685	2.427	ppbv	98
9) Propene	2.99	41	133000	1.896	ppbv	99
10) Heptane	8.17	43	335457	1.835	ppbv	98
11) Trichlorofluoromethane	3.95	101	415861	2.550	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.49	101	269282	2.523	ppbv	98
13) Ethanol	3.60	45	17949	1.056	ppbv	76
14) Bromoethene	3.73	108	108813	2.494	ppbv	99
15) Acetone	3.85	43	368168	2.265	ppbv	99
16) 1,3-Butadiene	3.31	39	141624	1.996	ppbv	99
17) tert-Butyl alcohol	4.30	59	166321	1.615	ppbv	99
18) 1,1-Dichloroethene	4.29	96	68968	1.482	ppbv	88
19) Isopropyl Alcohol	3.97	45	147046	1.471	ppbv #	95
20) Methylene Chloride	4.34	84	139234	2.971	ppbv	96
21) Allyl Chloride	4.41	41	195314	2.127	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	119105	2.557	ppbv	96
23) Vinyl Acetate	5.09	43	455053	1.900	ppbv	98
24) 1,1-Dichloroethane	5.02	63	337692	2.094	ppbv	99
25) Ethyl Acetate	5.70	43	621185	2.021	ppbv	98
26) Hexane	5.71	57	265173	2.074	ppbv	97
27) Carbon Disulfide	4.56	76	266761	2.262	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	395044	2.080	ppbv	100
29) Chloroform	5.77	83	408396	2.235	ppbv	97
30) Cyclohexane	7.17	84	183877	1.992	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	263344	2.020	ppbv #	88
32) 1,1,1-Trichloroethane	6.54	97	381720	2.166	ppbv	99
34) 2-Butanone	5.27	43	394401	1.670	ppbv	99
35) Carbon Tetrachloride	7.05	117	406912	2.118	ppbv	93
36) Benzene	6.92	78	471896	1.848	ppbv	97
37) 1,2-Dichloroethane	6.33	62	343892	1.893	ppbv	100
38) Trichloroethene	7.88	130	184990	2.027	ppbv #	94
39) 1,2-Dichloropropane	7.65	63	196736	1.714	ppbv	99
40) 1,4-Dioxane	7.89	88	51144	1.377	ppbv #	1
41) Tetrahydrofuran	6.08	42	214248	1.611	ppbv	99
42) Bromodichloromethane	7.83	83	429592	1.971	ppbv	98
43) Methyl Methacrylate	8.06	69	190225	1.803	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101619\

Quantitation Report (Not Reviewed)

Data File : VL034299.D
Acq On : 16 Oct 2019 13:33
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Oct 16 16:54:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 16 16:52:05 2019
QLast Update : Wed Oct 16 16:52:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	886434	1.803	ppbv		99
45) t-1,3-Dichloropropene	9.33	75	222090	1.780	ppbv		98
46) cis-1,3-Dichloropropene	8.75	75	264478	1.763	ppbv		94
47) 1,1,2-Trichloroethane	9.53	97	202116	1.962	ppbv		95
48) Dibromochloromethane	10.36	129	335206	2.052	ppbv		100
49) Bromoform	13.11	173	294935	2.232	ppbv		98
50) 4-Methyl-2-Pentanone	8.79	43	585314	1.703	ppbv		99
51) 2-Hexanone	10.19	43	470192	1.630	ppbv	#	96
52) Tetrachloroethene	11.28	164	169593	2.010	ppbv		91
53) Toluene	9.86	91	528142	1.892	ppbv		98
54) 1,2-Dibromoethane	10.67	107	298175	1.946	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.19	131	235900	2.163	ppbv	#	1
57) Chlorobenzene	12.21	112	274960	1.292	ppbv		89
58) Ethyl Benzene	12.77	91	745465	1.890	ppbv		96
59) m/p-Xylene	13.07	91	591475	1.810	ppbv	#	32
60) o-Xylene	13.76	91	634557	1.942	ppbv		97
61) Styrene	13.60	104	220586	0.942	ppbv	#	25
62) Isopropylbenzene	14.74	105	845059	1.998	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.75	83	213141	0.796	ppbv	#	8
64) n-propylbenzene	15.64	120	212931	1.990	ppbv		91
65) tert-Butylbenzene	16.82	119	764269	2.068	ppbv		98
66) Benzyl Chloride	17.06	91	257721	1.971	ppbv		99
67) sec-Butylbenzene	17.37	105	1089457	2.061	ppbv		97
69) p-Isopropyltoluene	17.73	119	889403	2.078	ppbv		98
70) n-Butylbenzene	18.63	91	975018	1.957	ppbv		96
71) 2-Chlorotoluene	15.53	91	663185	1.919	ppbv		98
72) 4-Ethyltoluene	15.91	105	723917	1.961	ppbv		99
73) 1,3,5-Trimethylbenzene	16.07	105	705578	1.978	ppbv		99
74) 1,2,4-Trimethylbenzene	16.84	105	346391	0.915	ppbv		91
75) 1,3-Dichlorobenzene	17.07	146	426223	2.098	ppbv		99
76) 1,4-Dichlorobenzene	17.22	146	423538	2.036	ppbv		99
77) 1,2-Dichlorobenzene	17.90	146	426452	2.074	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	357335	2.624	ppbv		98
79) Naphthalene	22.31	128	529898	1.590	ppbv		98
80) Naphthalene,2-methyl-	25.05	142	113756	0.734	ppbv		95
81) 1,2,4-Trichlorobenzene	22.03	180	341814	1.851	ppbv		99

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

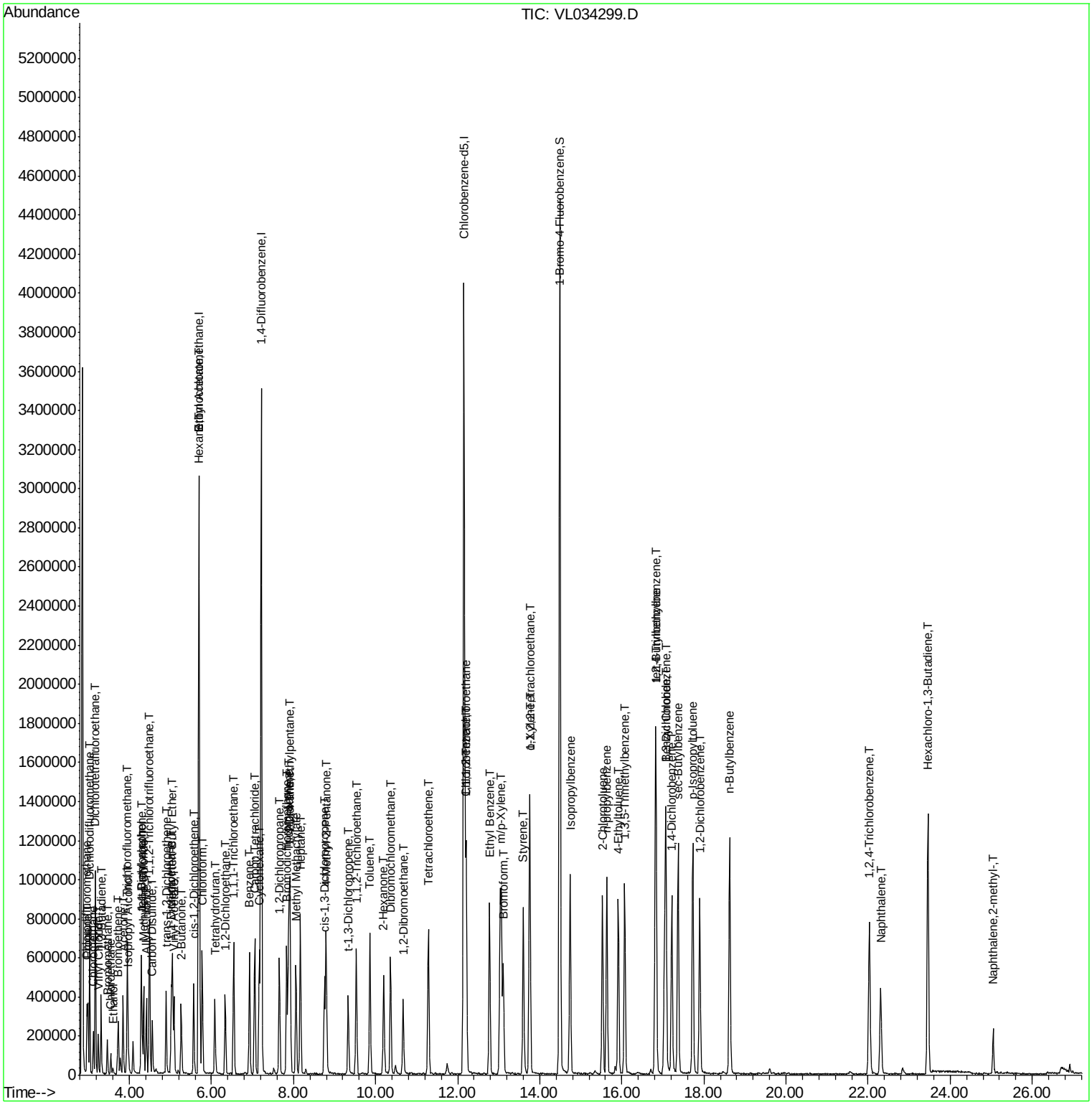
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101619\

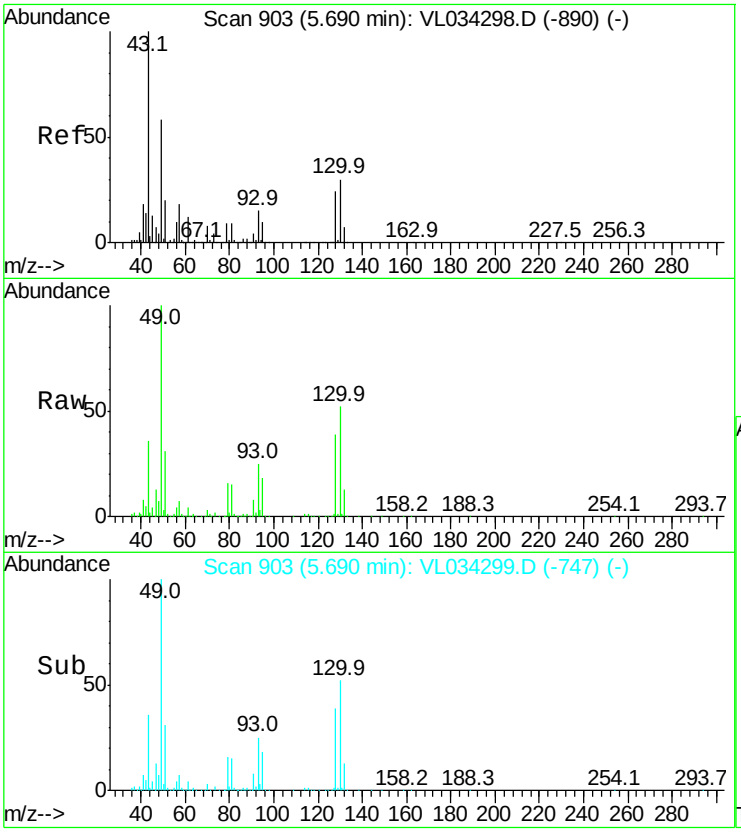
Quantitation Report (Not Reviewed)

Data File : VL034299.D
Acq On : 16 Oct 2019 13:33
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Oct 16 16:54:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 16 16:52:05 2019
QLast Update : Wed Oct 16 16:52:05 2019
Response via : Initial Calibration



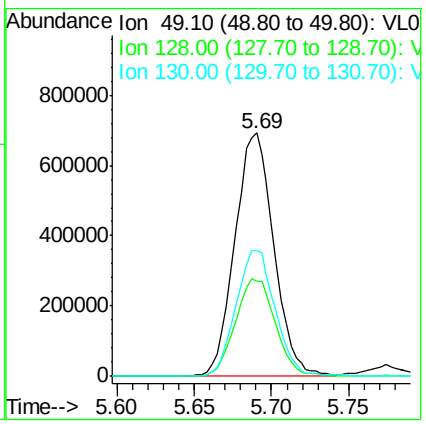


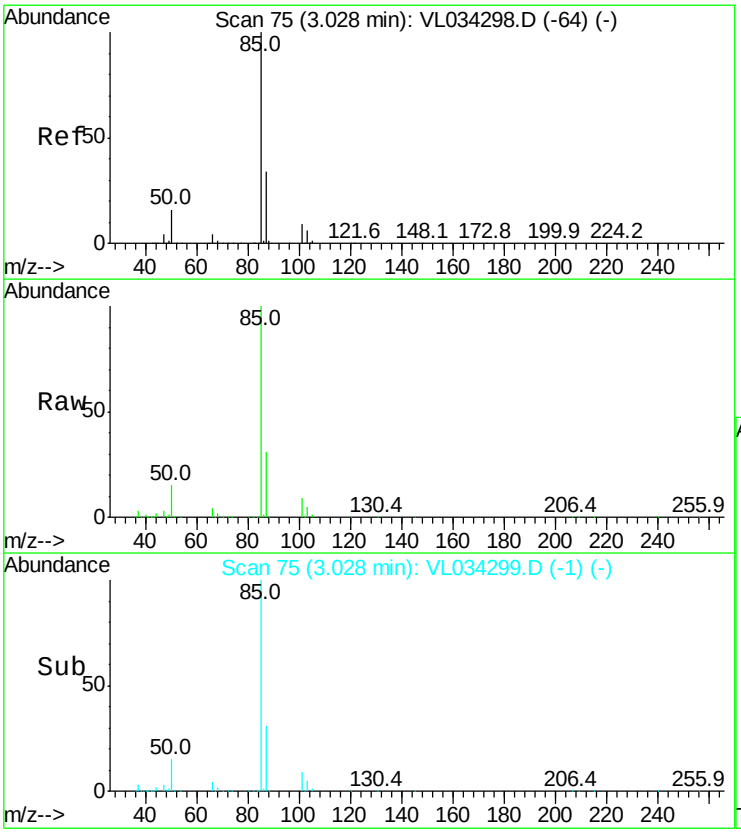
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1212884

Ion	Ratio	Lower	Upper
49	100		
128	41.3	20.6	61.8
130	52.4	26.2	78.5

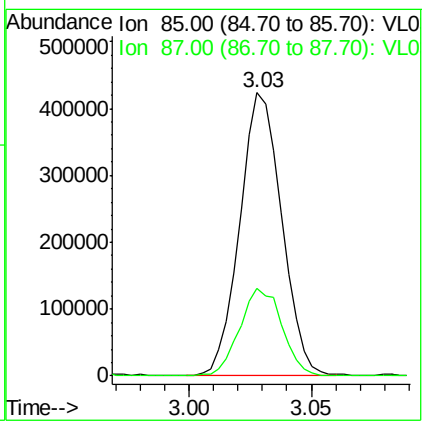


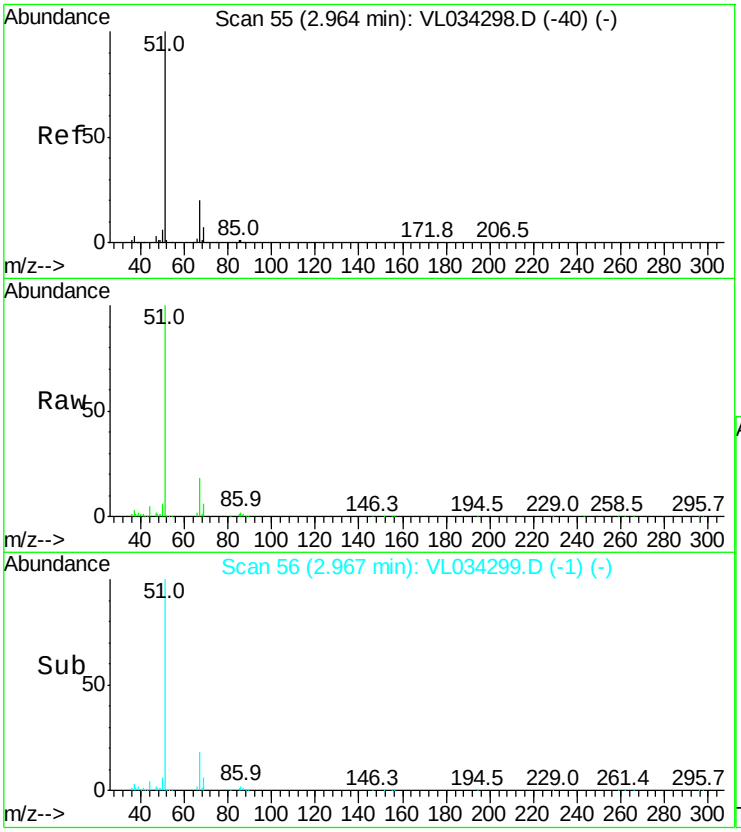


#2
Dichlorodifluoromethane
Concen: 2.816 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 85 Resp: 504472

Ion	Ratio	Lower	Upper
85	100		
87	30.8	27.0	40.6



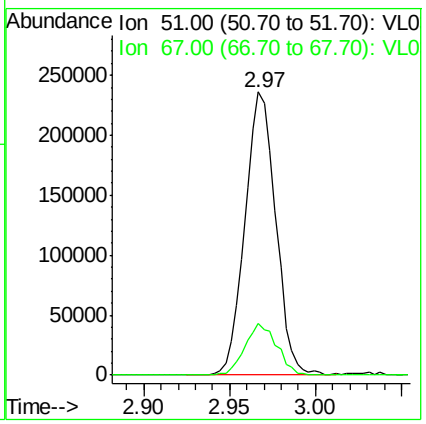


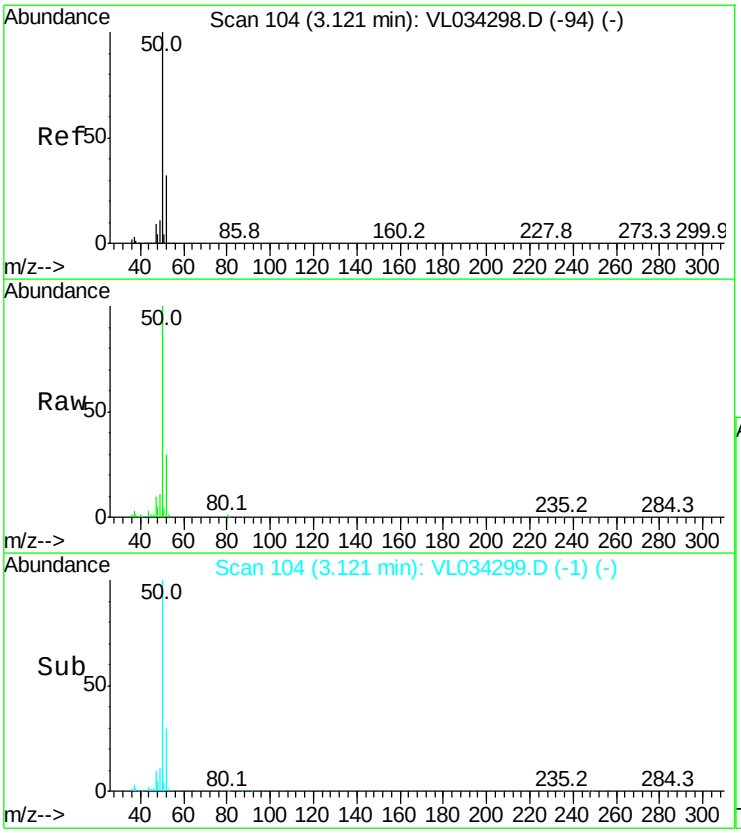
#3
Chlorodifluoromethane
Concen: 2.065 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 293694

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.8	23.8

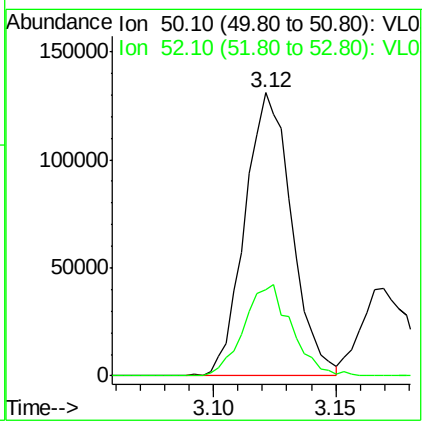


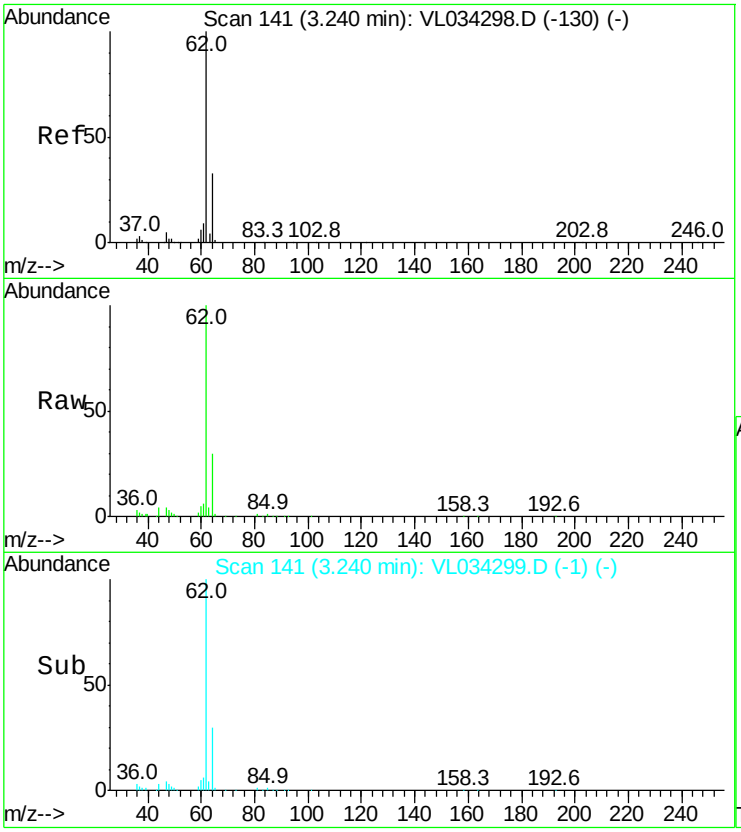


#4
Chloromethane
Concen: 2.084 ppbv
RT: 3.12 min Scan# 104
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 50 Resp: 174163

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.4	38.2



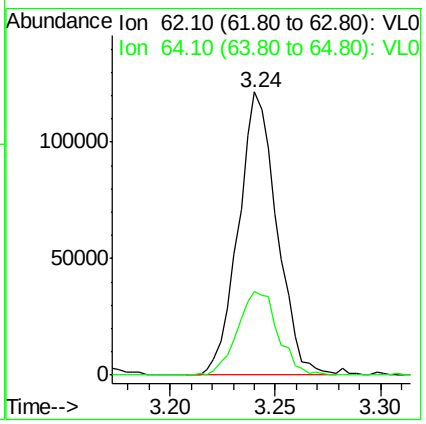


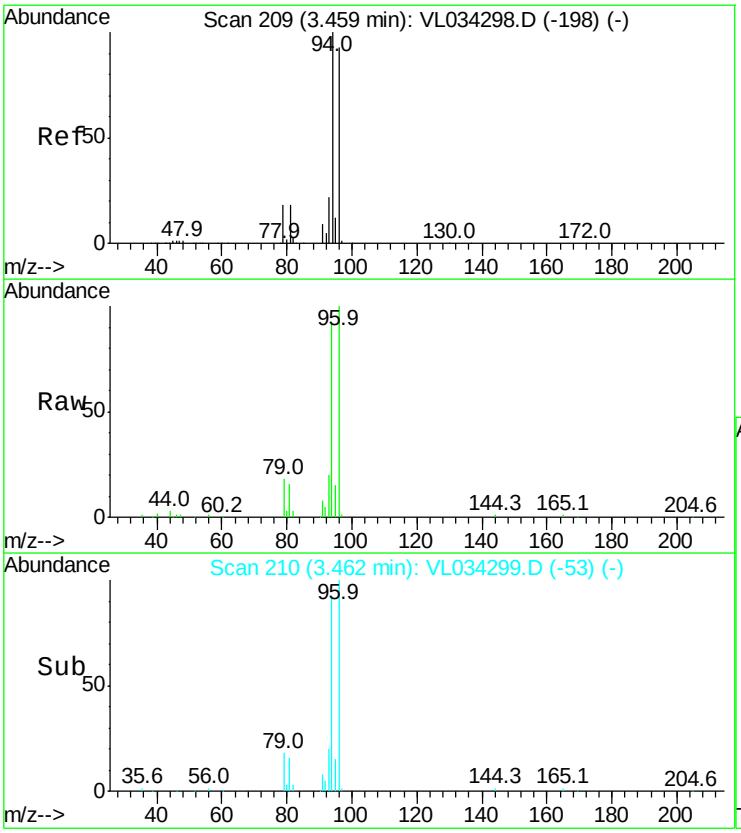
#5
Vinyl Chloride
Concen: 2.023 ppbv
RT: 3.24 min Scan# 141
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 154523

Ion	Ratio	Lower	Upper
62	100		
64	29.7	26.0	39.0

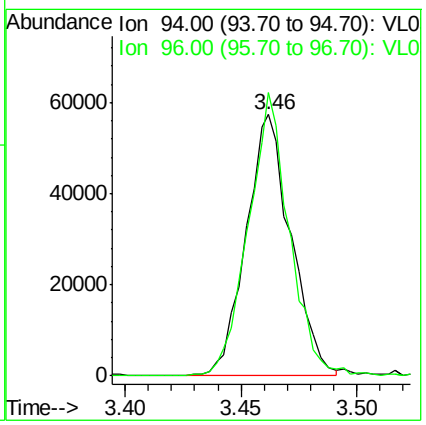


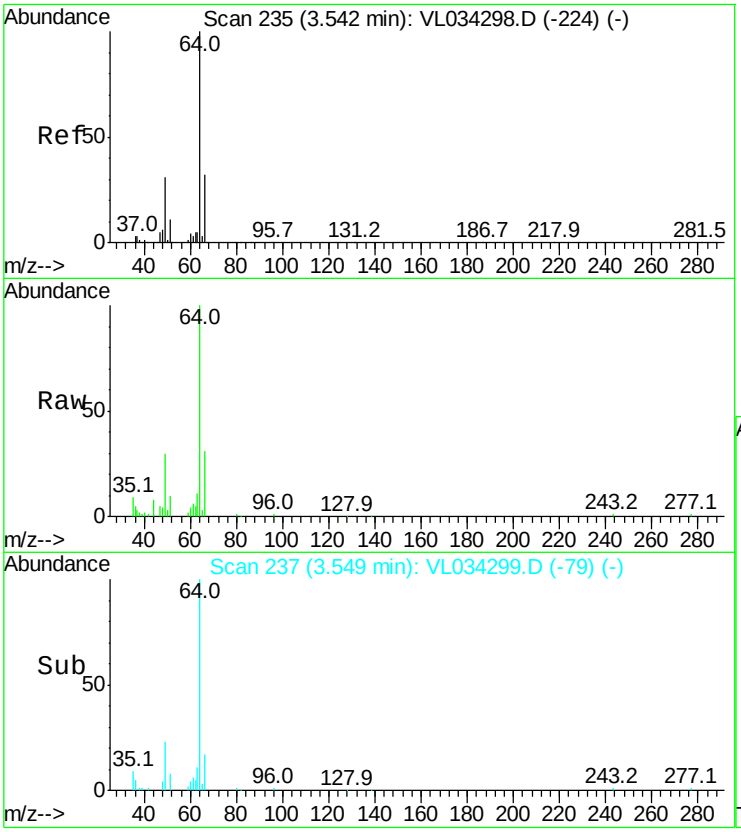


#6
Bromomethane
Concen: 2.161 ppbv
RT: 3.46 min Scan# 210
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 94 Resp: 77010

Ion	Ratio	Lower	Upper
94	100		
96	108.4	74.6	112.0



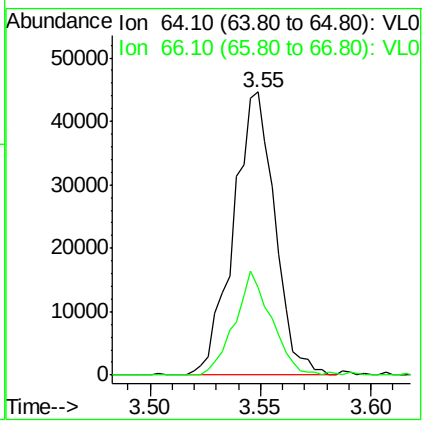


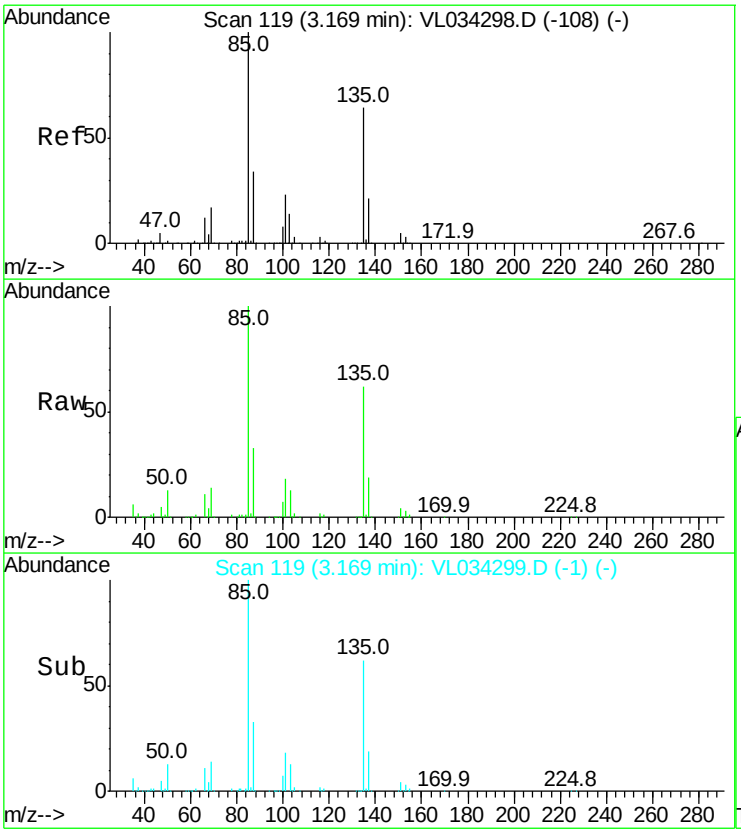
#7
Chloroethane
Concen: 2.191 ppbv
RT: 3.55 min Scan# 237
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 58483

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.4	38.0

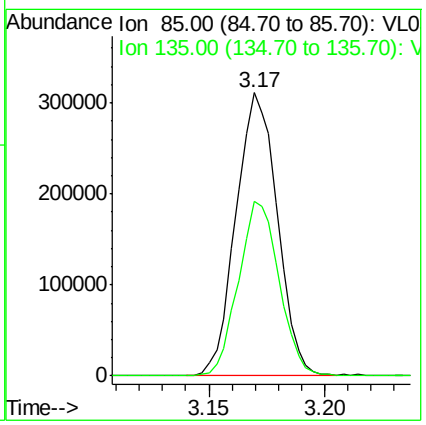


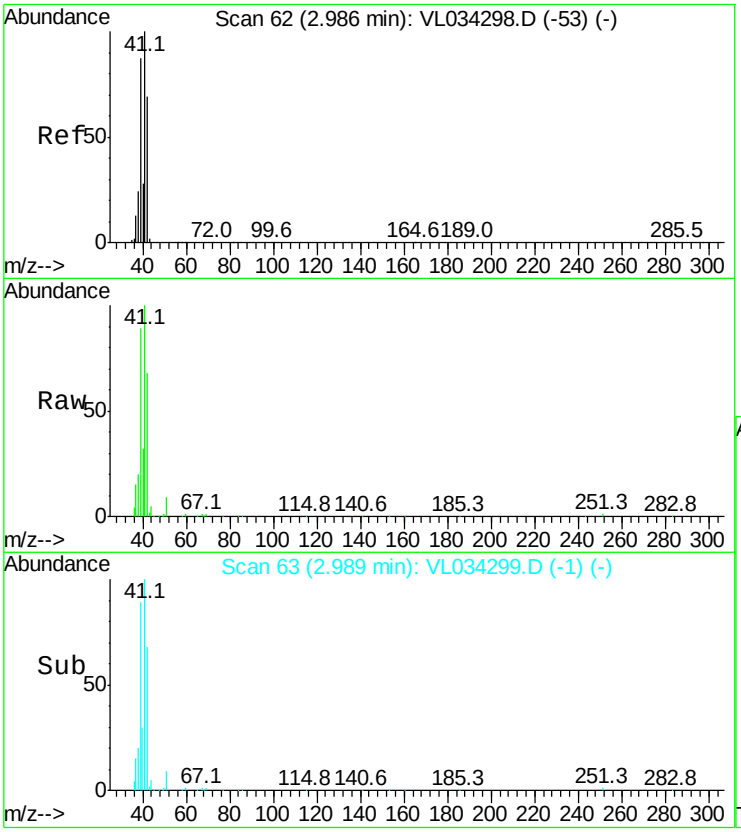


#8
Dichlorotetrafluoroethane
Concen: 2.427 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 85 Resp: 383685

Ion	Ratio	Lower	Upper
85	100		
135	61.0	50.2	75.2



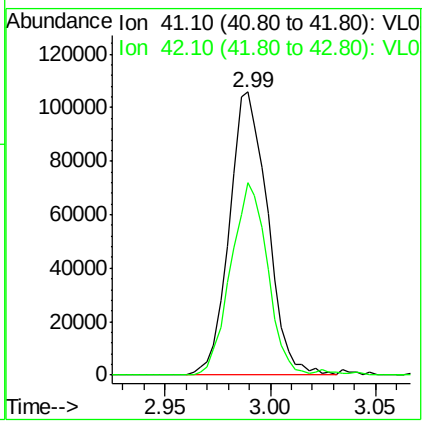


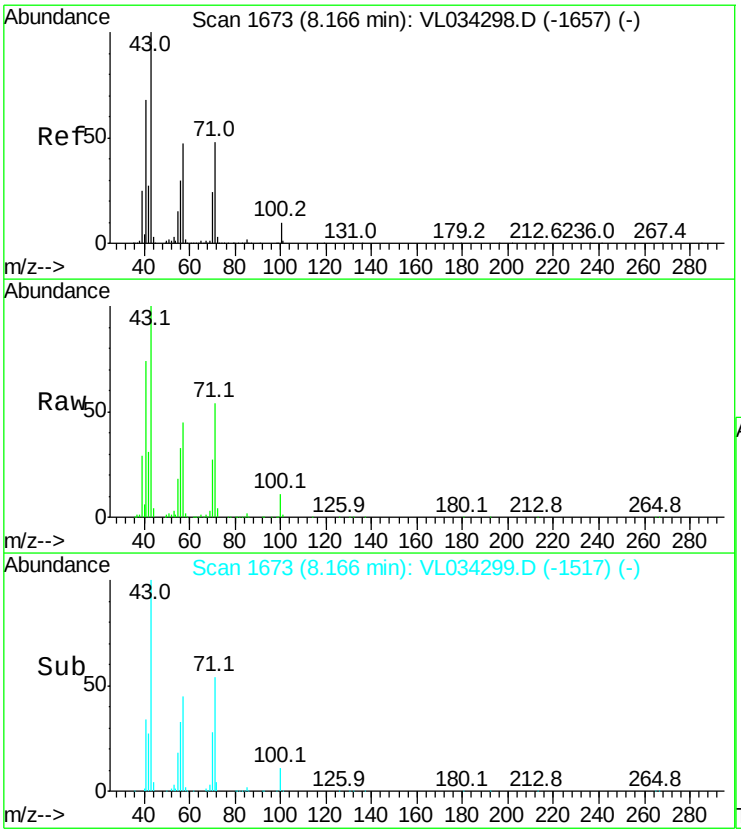
#9
Propene
Concen: 1.896 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 133000

Ion	Ratio	Lower	Upper
41	100		
42	66.6	53.9	80.9

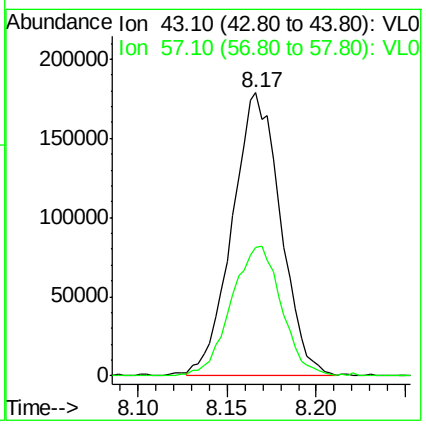


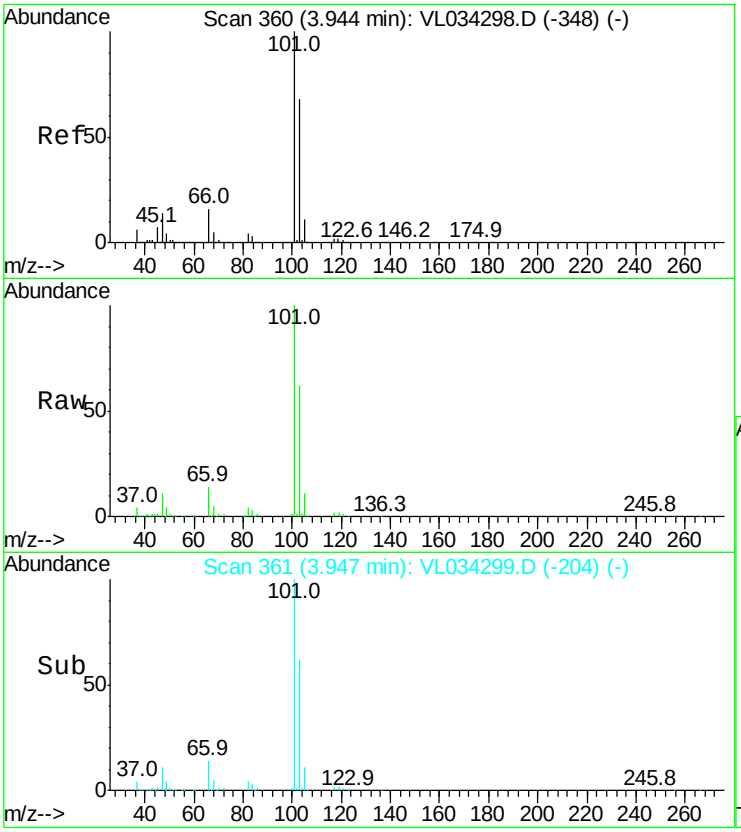


#10
Heptane
Concen: 1.835 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 43 Resp: 335457

Ion	Ratio	Lower	Upper
43	100		
57	48.2	39.5	59.3



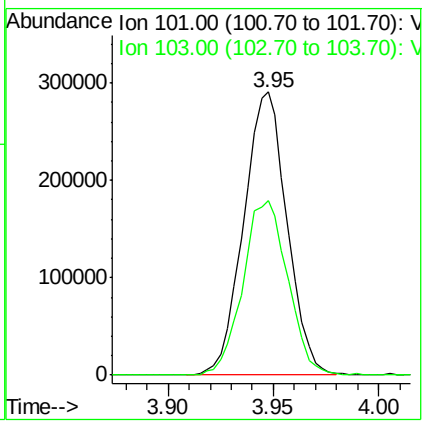


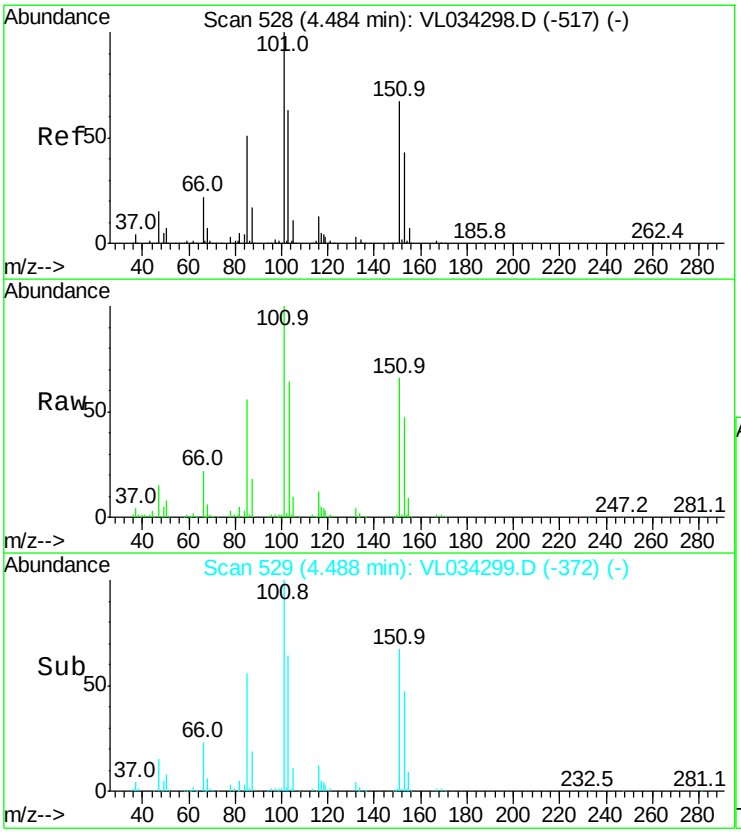
#11
Trichlorofluoromethane
Concen: 2.550 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 415861

Ion	Ratio	Lower	Upper
101	100		
103	61.6	54.5	81.7

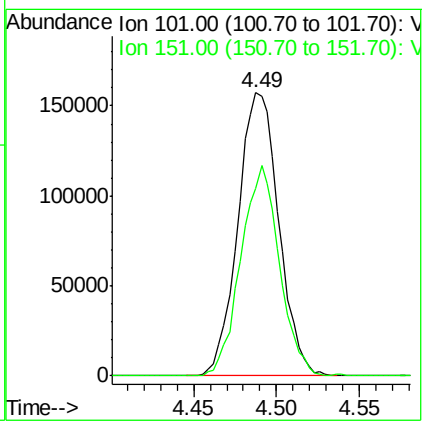


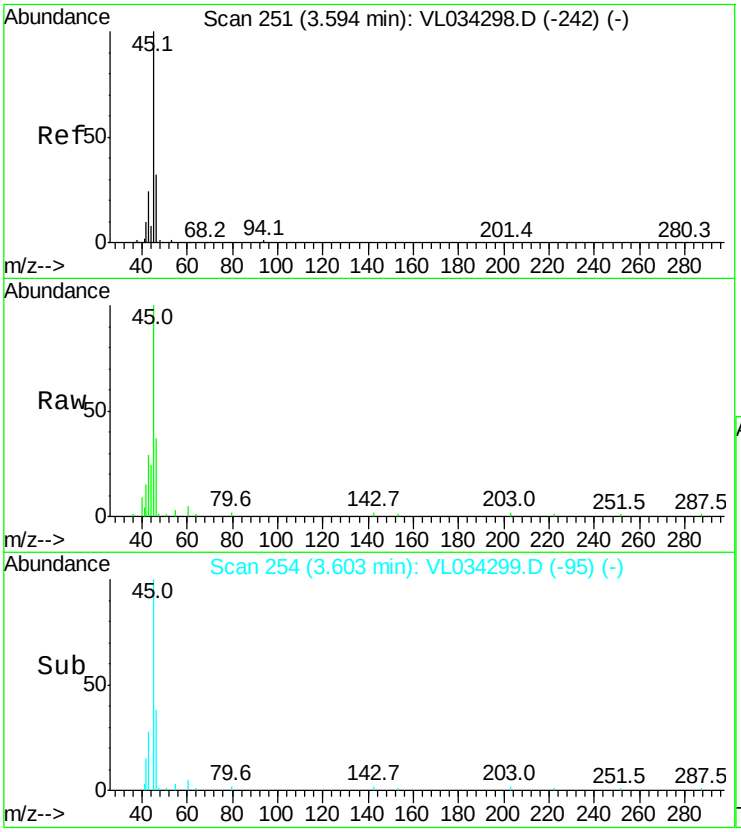


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.523 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:101 Resp: 269282

Ion	Ratio	Lower	Upper
101	100		
151	70.3	57.4	86.2



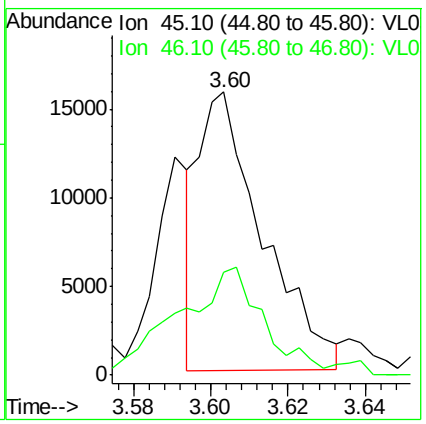


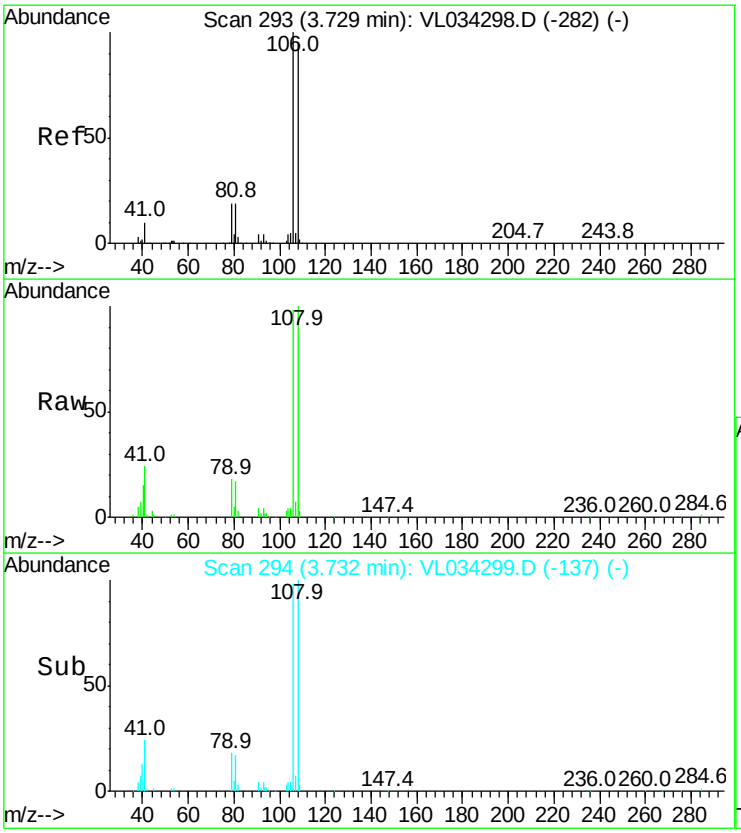
#13
Ethanol
Concen: 1.056 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 17949

Ion	Ratio	Lower	Upper
45	100		
46	54.2	15.8	63.2

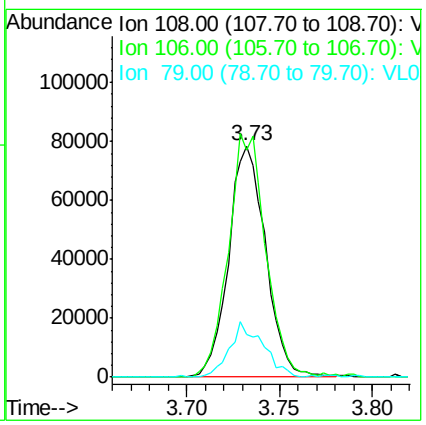


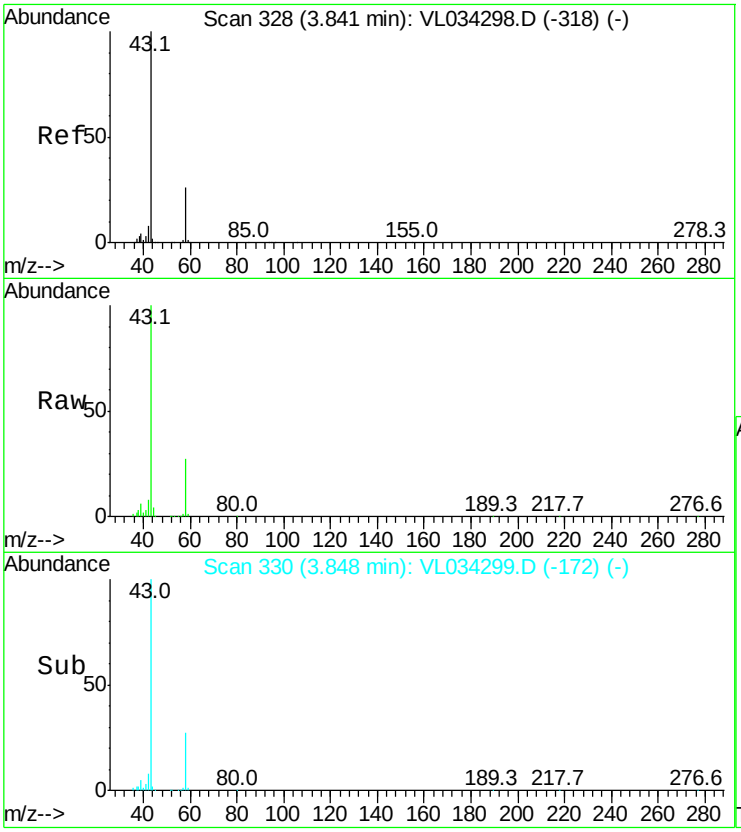


#14
Bromoethene
Concen: 2.494 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:108 Resp: 108813

Ion	Ratio	Lower	Upper
108	100		
106	107.1	84.8	127.2
79	22.7	17.0	25.4



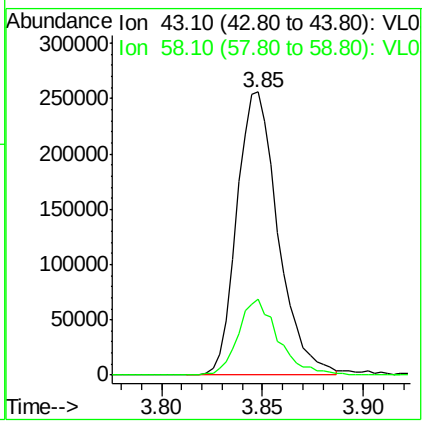


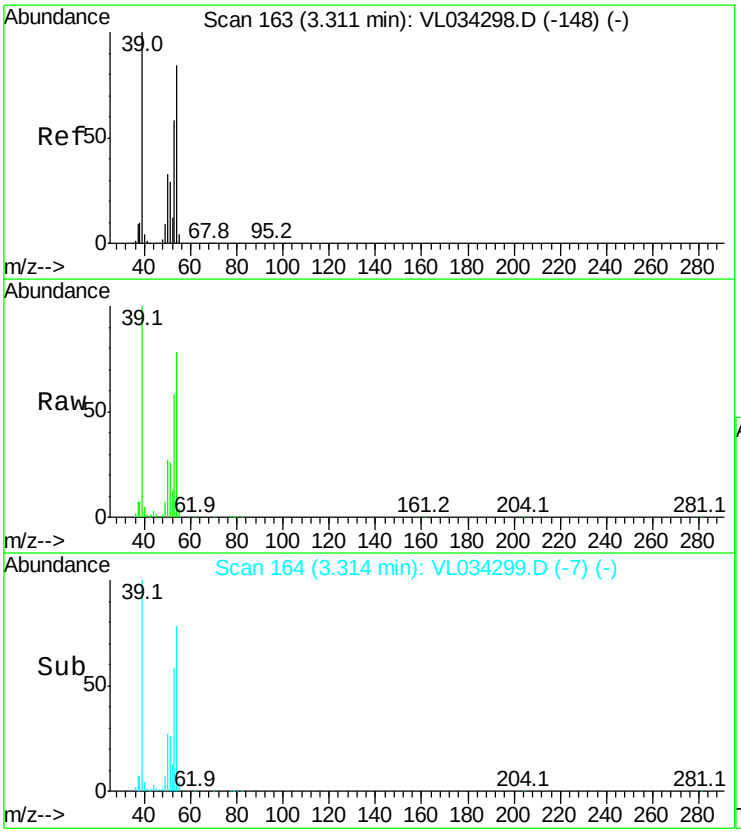
#15
Acetone
Concen: 2.265 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 368168

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.4	30.6

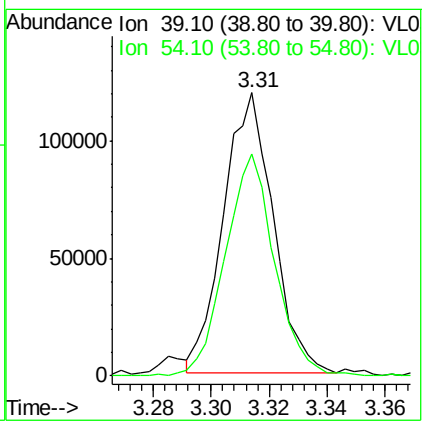


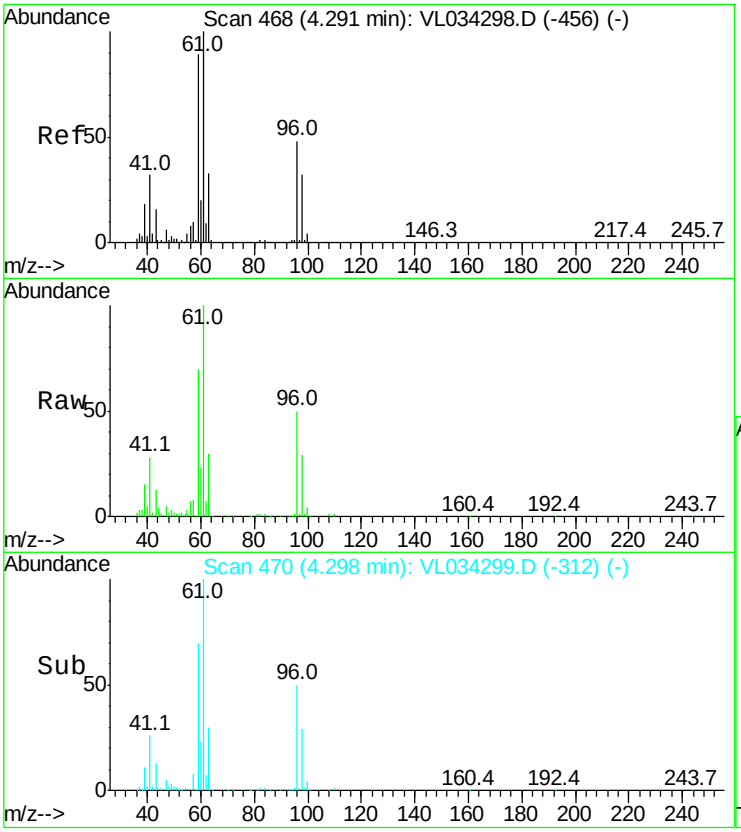


#16
1,3-Butadiene
Concen: 1.996 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 39 Resp: 141624

Ion	Ratio	Lower	Upper
39	100		
54	78.7	63.9	95.9



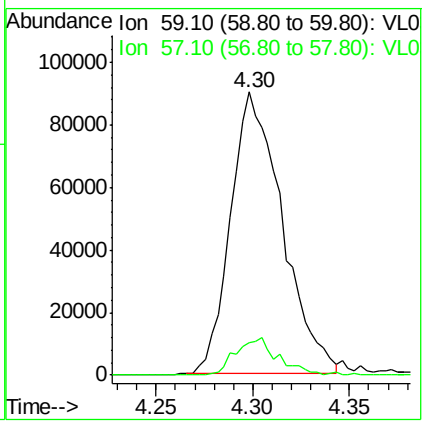


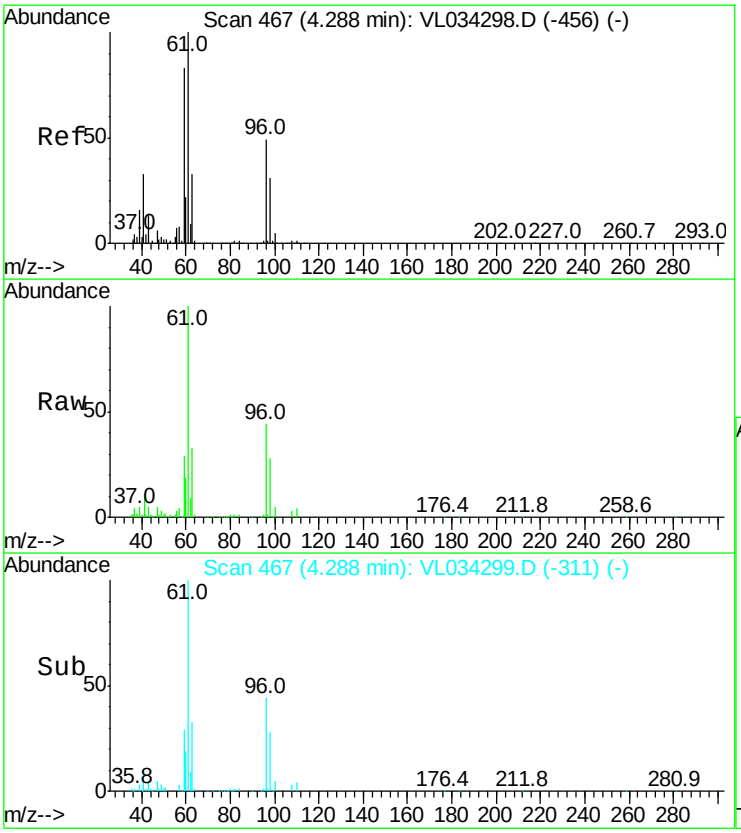
#17
tert-Butyl alcohol
Concen: 1.615 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 166321

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.8	13.2

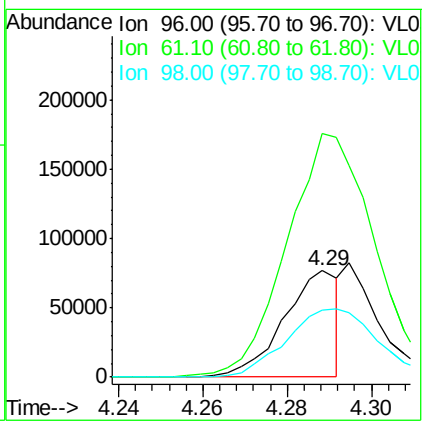


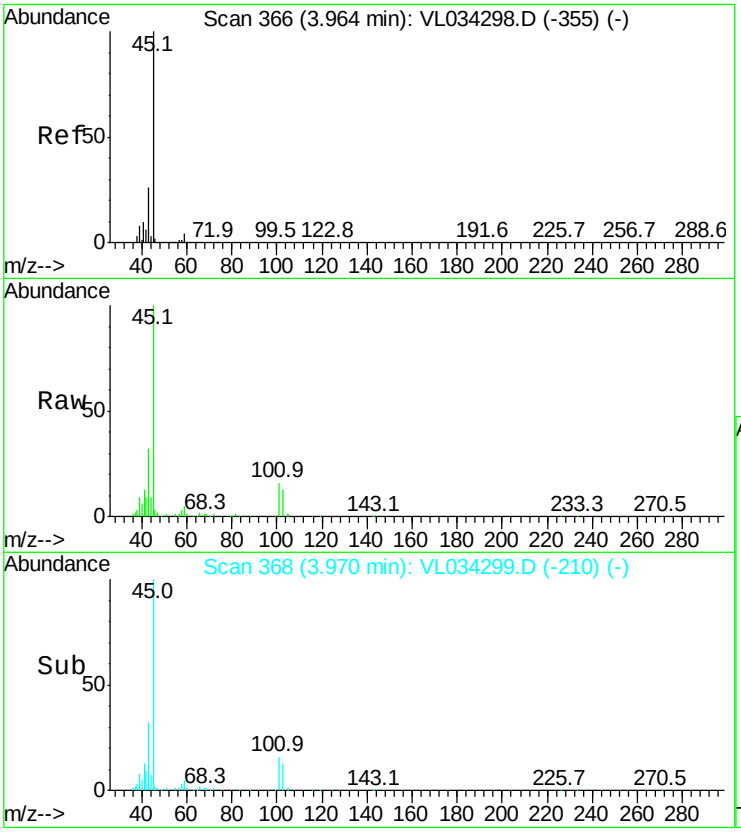


#18
1,1-Dichloroethene
Concen: 1.482 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 96 Resp: 68968

Ion	Ratio	Lower	Upper
96	100		
61	228.2	164.5	246.7
98	63.3	51.7	77.5



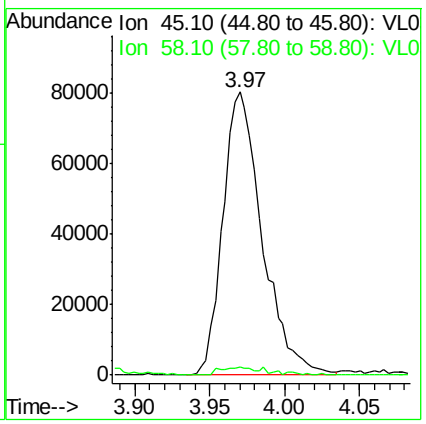


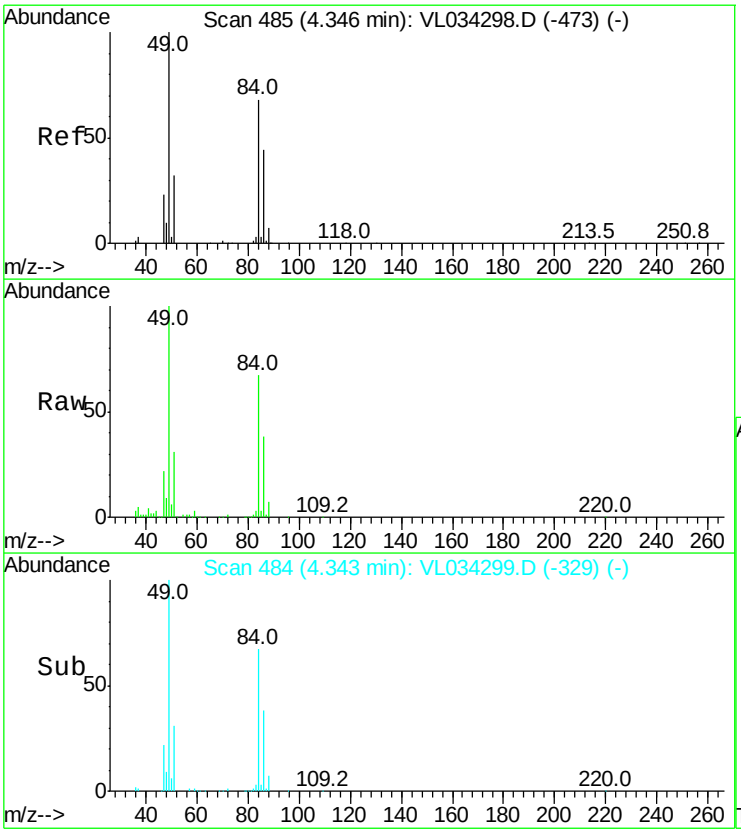
#19
Isopropyl Alcohol
Concen: 1.471 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 147046

Ion	Ratio	Lower	Upper
45	100		
58	3.4	1.4	2.2#

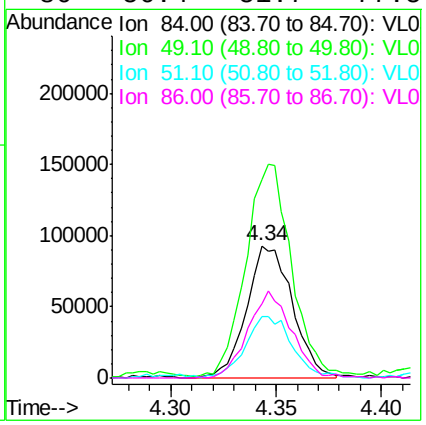


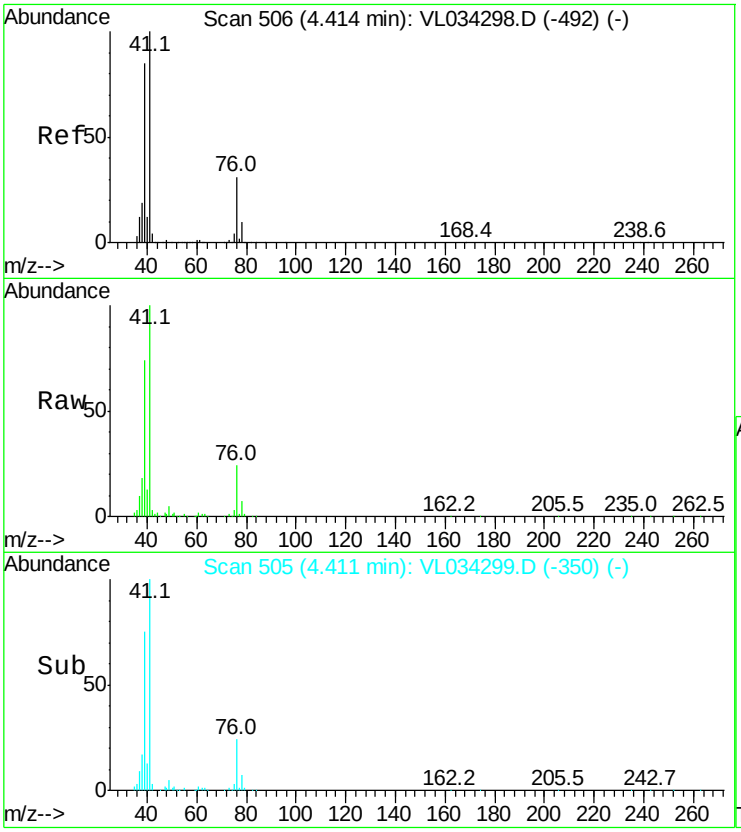


#20
Methylene Chloride
Concen: 2.971 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 84 Resp: 139234

Ion	Ratio	Lower	Upper
84	100		
49	148.5	118.5	177.7
51	45.5	38.8	58.2
86	56.4	51.7	77.5



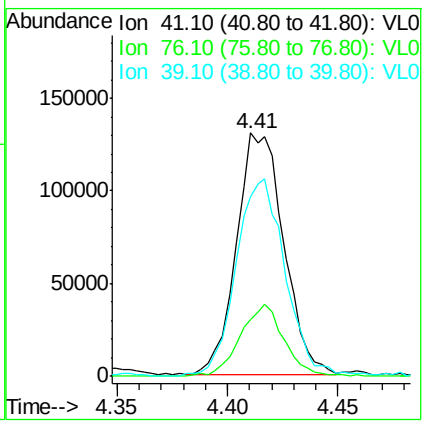


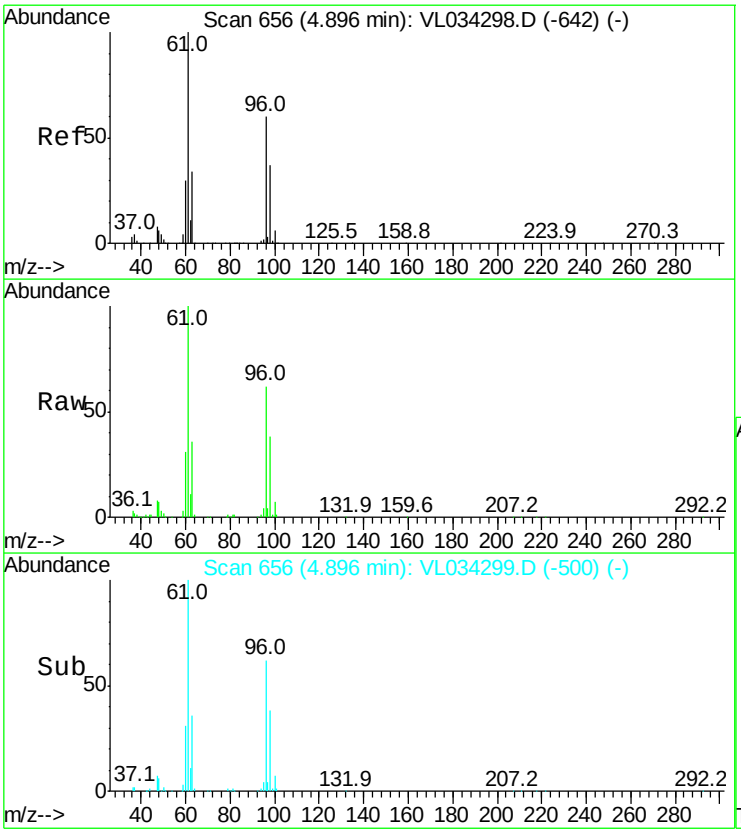
#21
Allyl Chloride
Concen: 2.127 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 195314

Ion	Ratio	Lower	Upper
41	100		
76	27.6	22.8	34.2
39	84.9	66.0	99.0

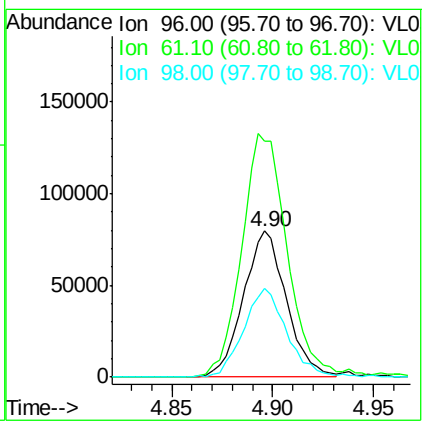


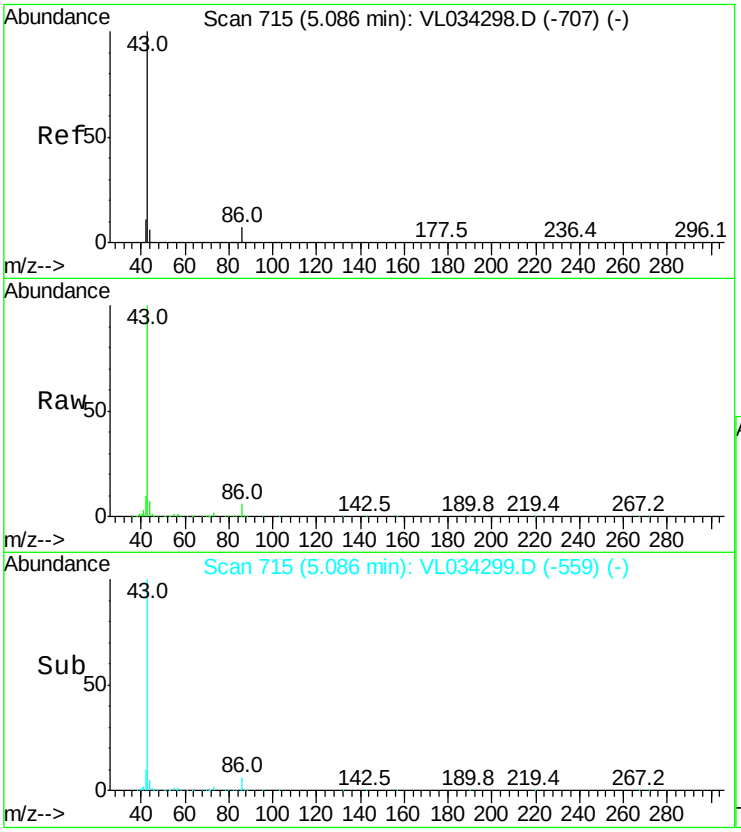


#22
trans-1,2-Dichloroethene
Concen: 2.557 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 96 Resp: 119105

Ion	Ratio	Lower	Upper
96	100		
61	161.2	133.8	200.6
98	60.7	49.4	74.0



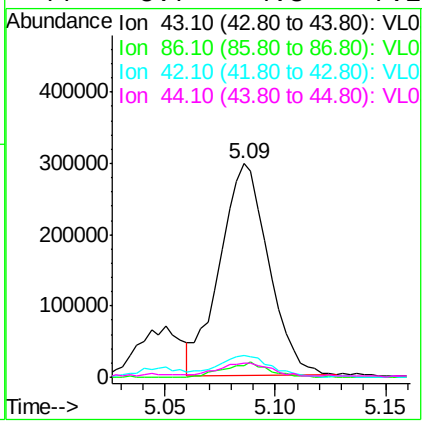


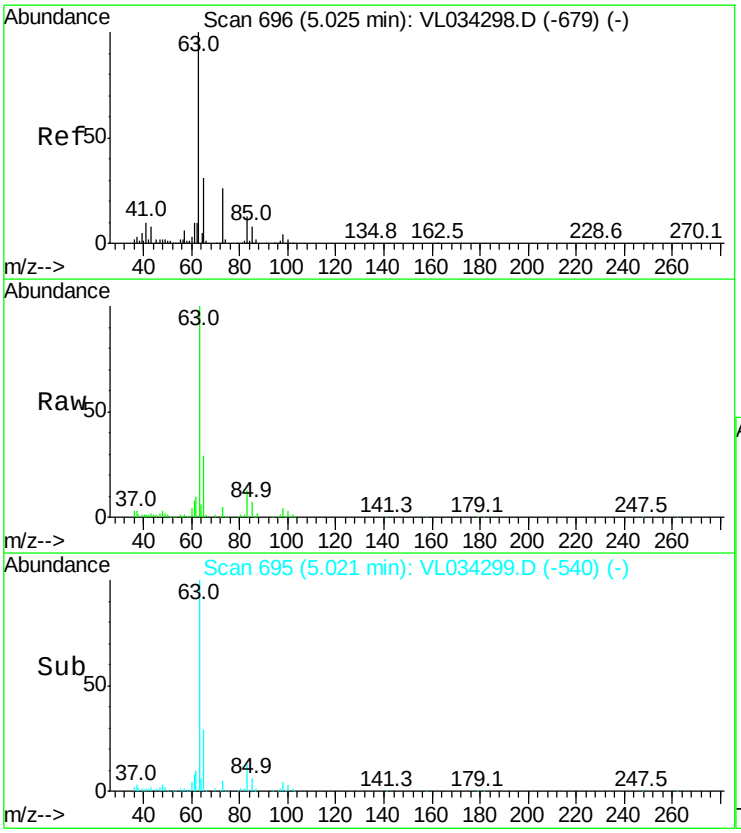
#23
Vinyl Acetate
Concen: 1.900 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 455053

Ion	Ratio	Lower	Upper
43	100		
86	5.7	5.0	7.4
42	9.8	8.6	13.0
44	5.7	4.8	7.2

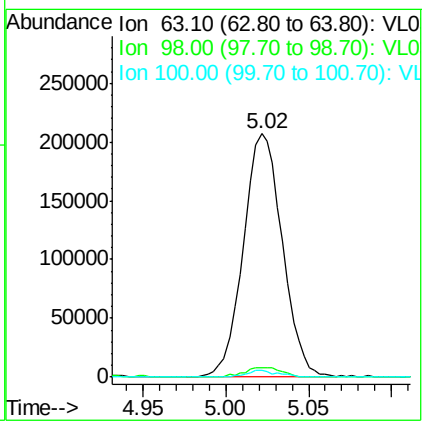


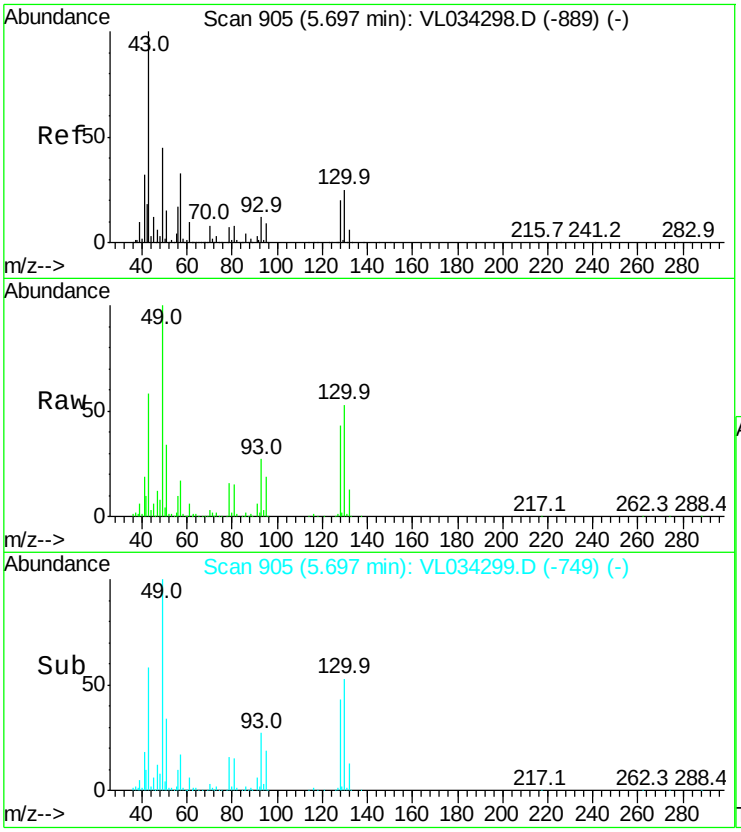


#24
1,1-Dichloroethane
Concen: 2.094 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 63 Resp: 337692

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	6.0
100	2.9	1.1	3.5



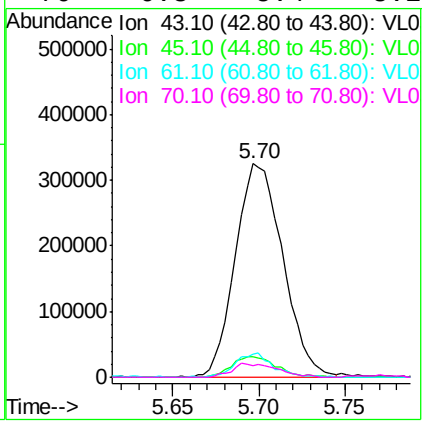


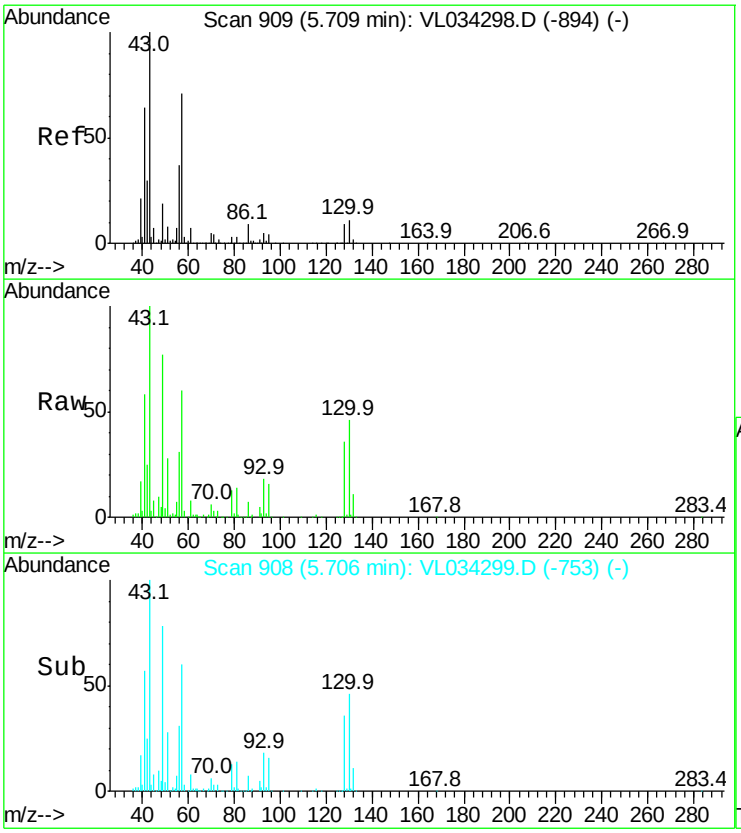
#25
Ethyl Acetate
Concen: 2.021 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 621185

Ion	Ratio	Lower	Upper
43	100		
45	9.4	8.3	12.5
61	9.4	7.7	11.5
70	6.3	5.4	8.2

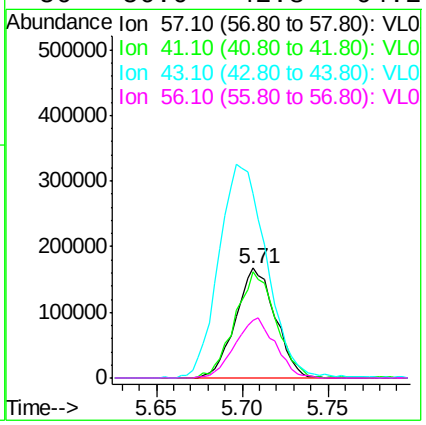


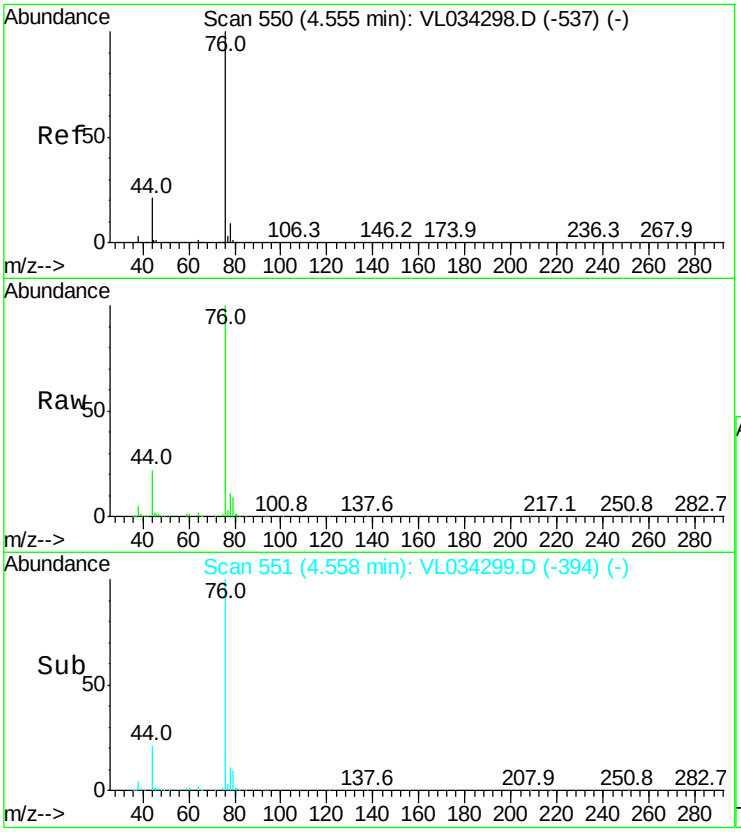


#26
Hexane
Concen: 2.074 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 57 Resp: 265173

Ion	Ratio	Lower	Upper
57	100		
41	101.3	76.5	114.7
43	238.4	188.5	282.7
56	56.0	42.8	64.2



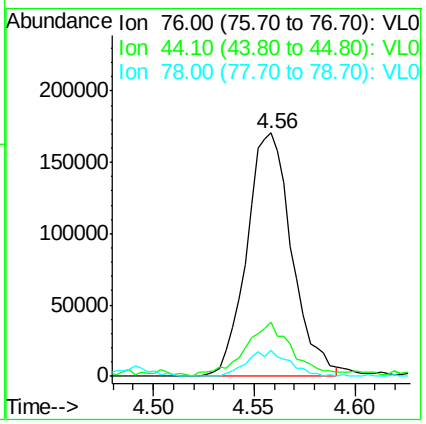


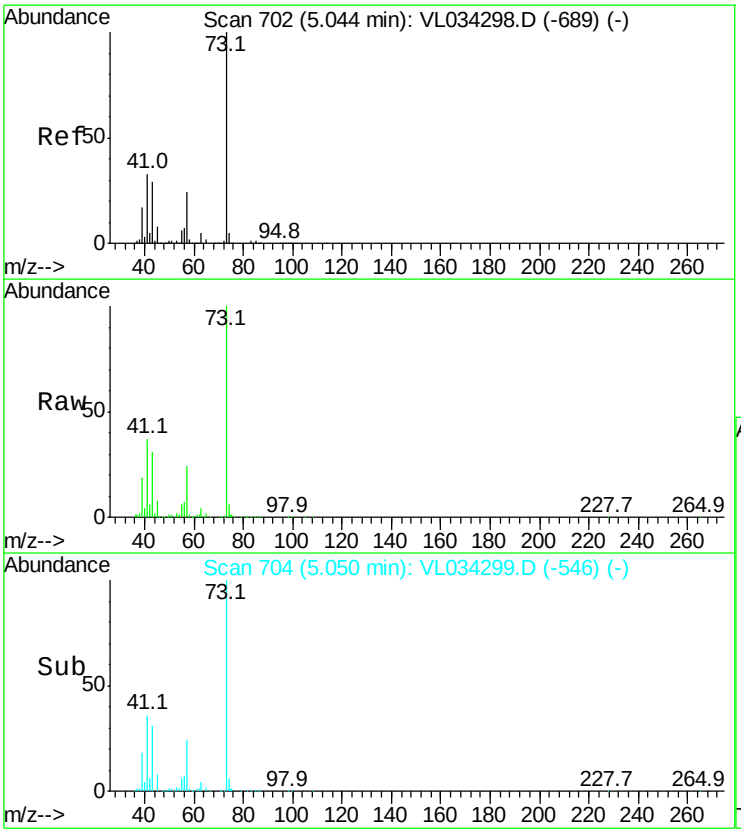
#27
Carbon Disulfide
Concen: 2.262 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 266761

Ion	Ratio	Lower	Upper
76	100		
44	21.7	17.3	25.9
78	10.6	7.8	11.6

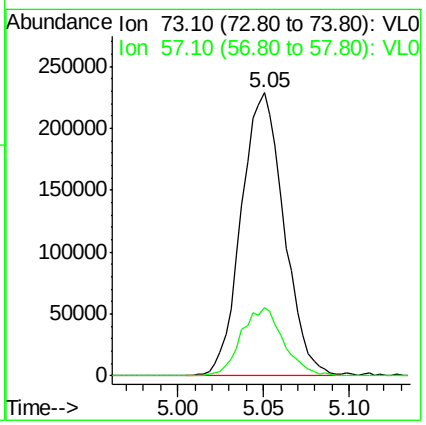


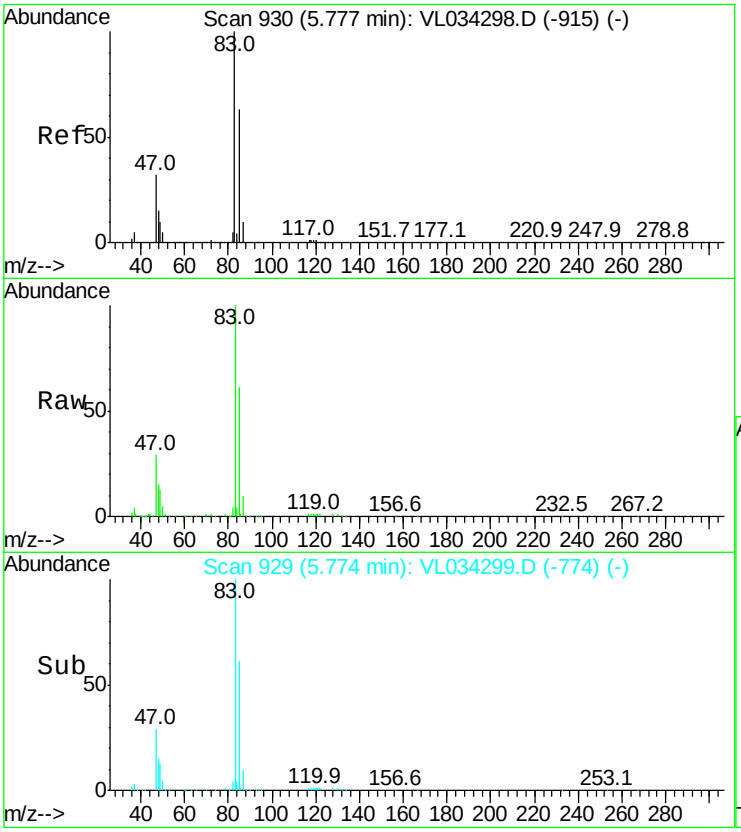


#28
Methyl tert-Butyl Ether
Concen: 2.080 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 73 Resp: 395044

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.2	28.8



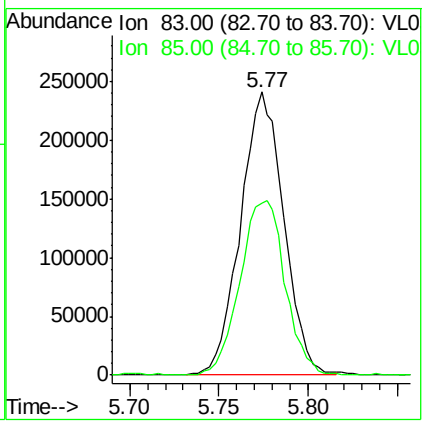


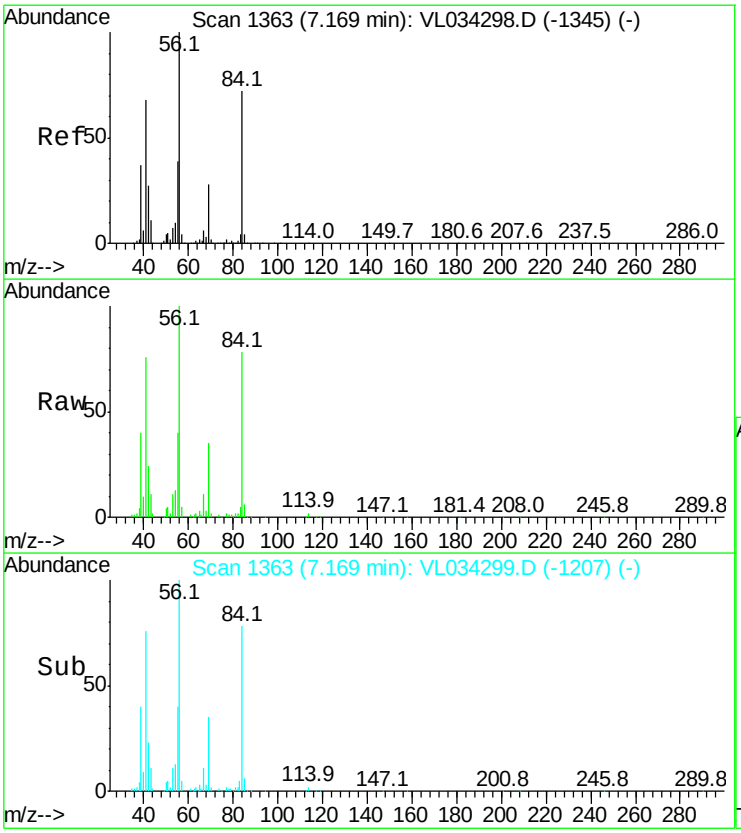
#29
Chloroform
Concen: 2.235 ppbv
RT: 5.77 min Scan# 929
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 408396

Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.5	75.7

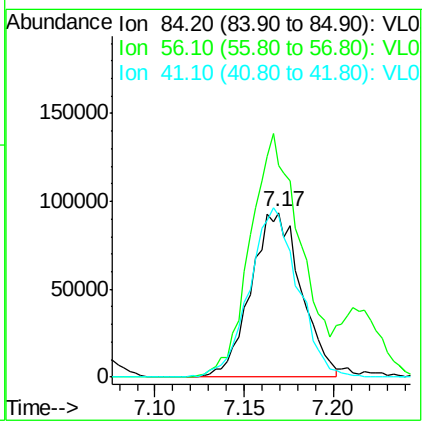


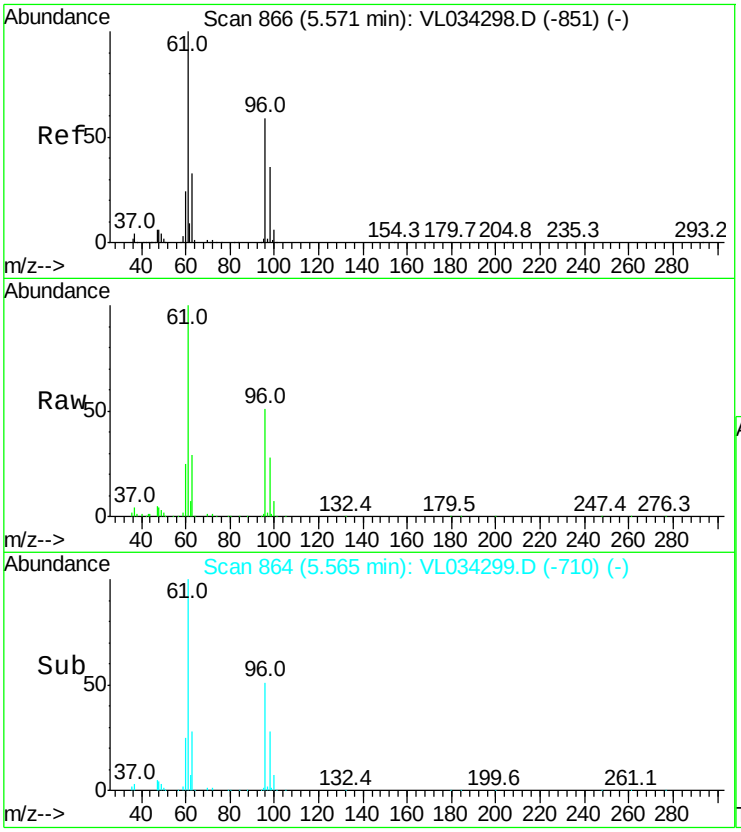


#30
Cyclohexane
Concen: 1.992 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 84 Resp: 183877

Ion	Ratio	Lower	Upper
84	100		
56	148.6	119.4	179.0
41	100.0	78.7	118.1



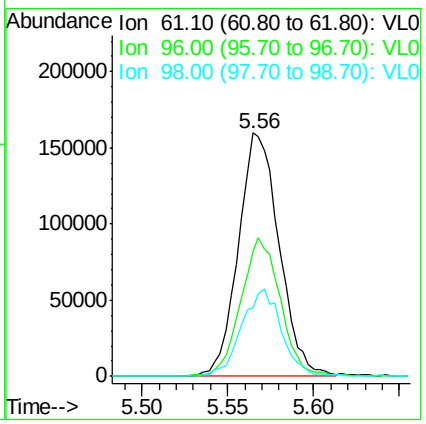


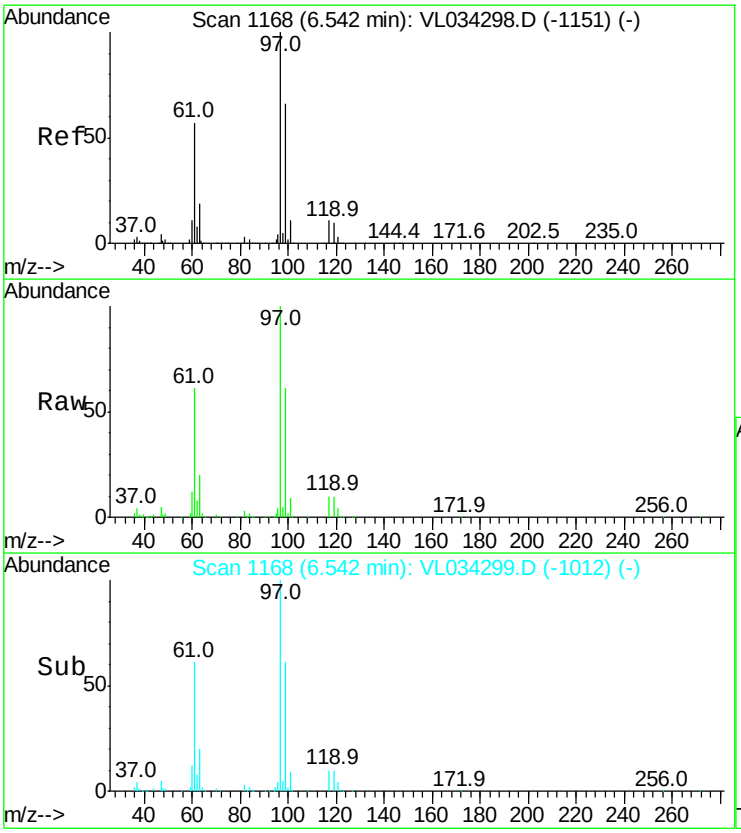
#31
cis-1,2-Dichloroethene
Concen: 2.020 ppbv
RT: 5.56 min Scan# 864
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 263344

Ion	Ratio	Lower	Upper
61	100		
96	51.0	47.5	71.3
98	28.3	28.8	43.2#

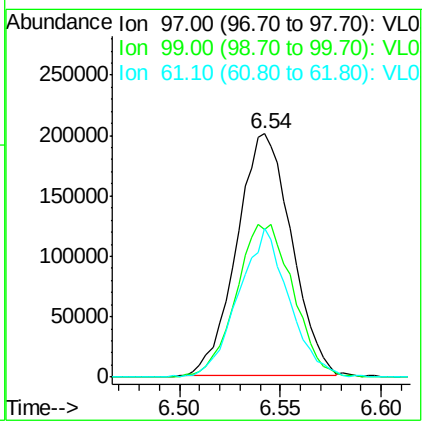


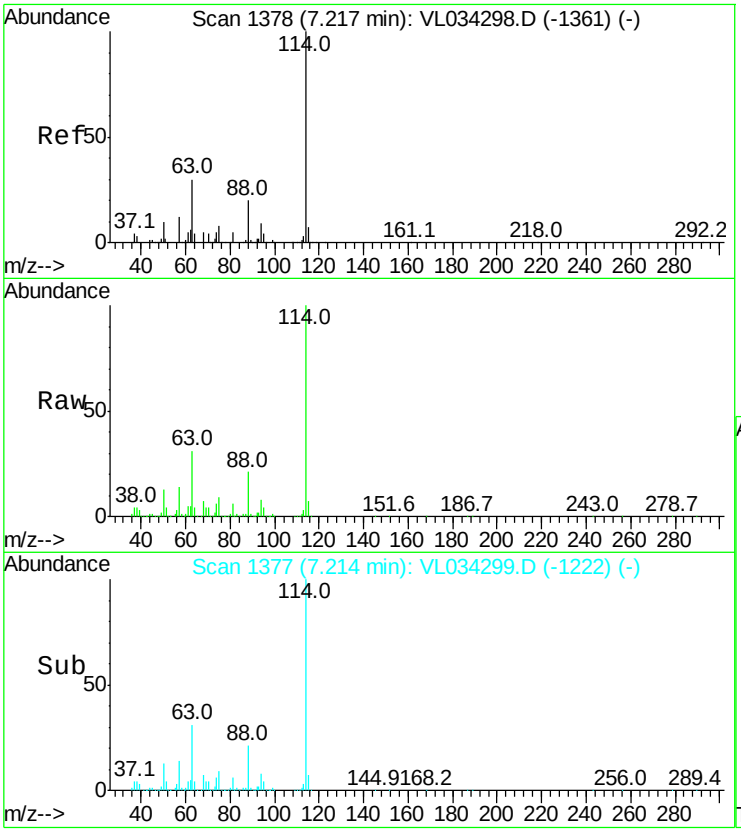


#32
1,1,1-Trichloroethane
Concen: 2.166 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 97 Resp: 381720

Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.6	78.8
61	56.5	44.5	66.7



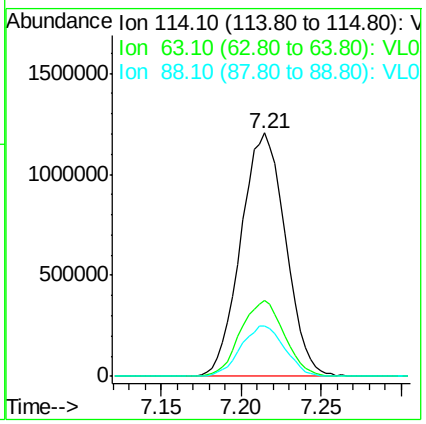


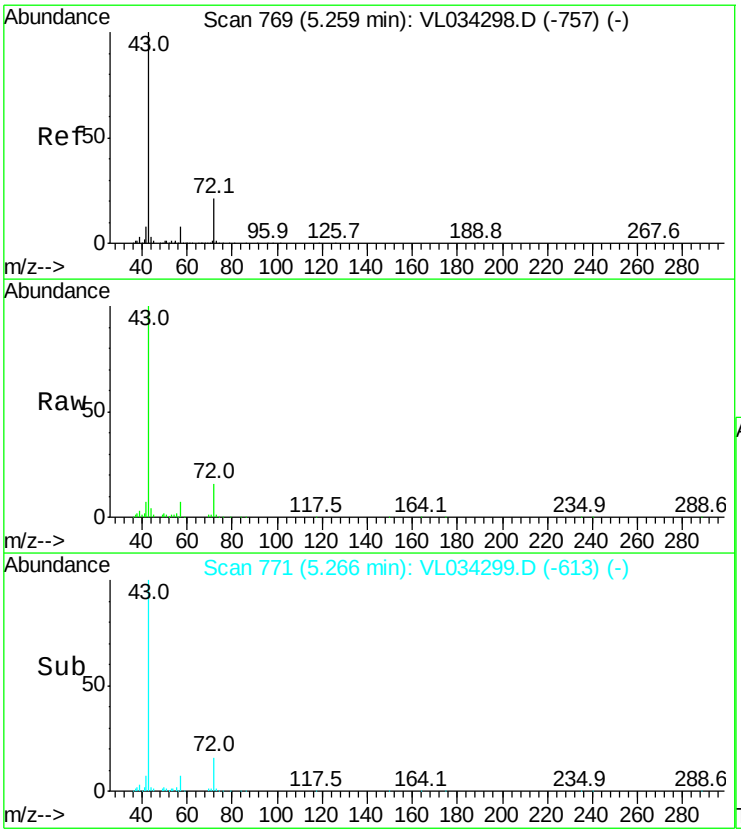
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 2312455

Ion	Ratio	Lower	Upper
114	100		
63	30.8	25.2	37.8
88	20.4	16.0	24.0

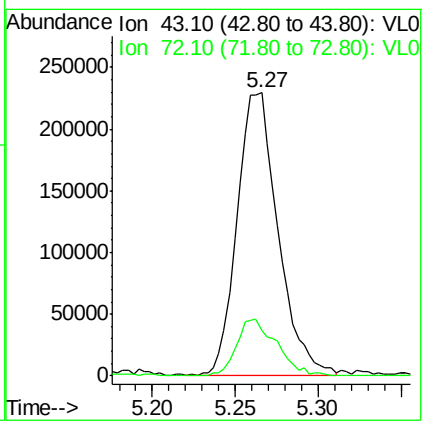


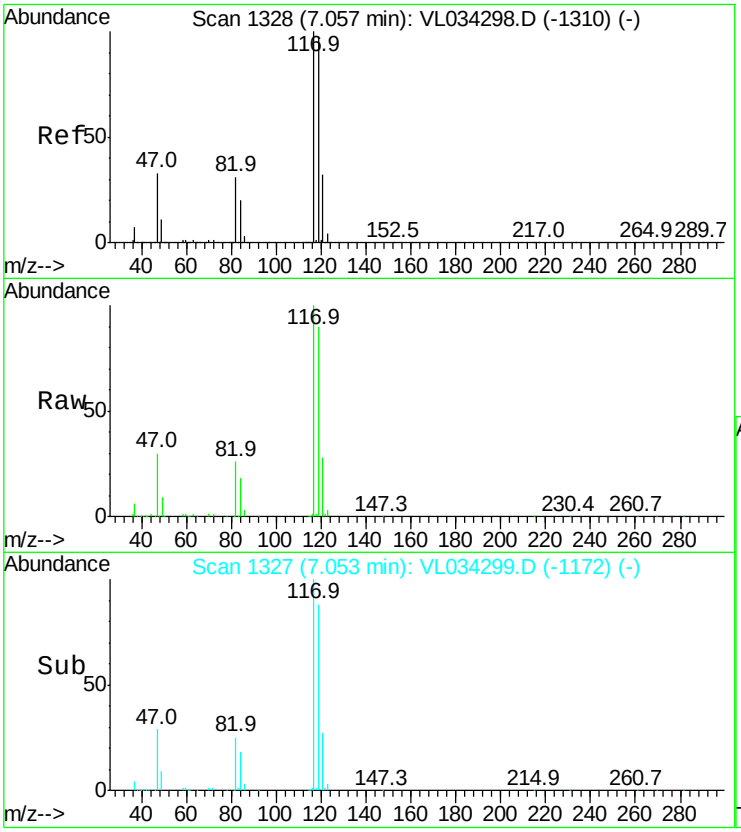


#34
2-Butanone
Concen: 1.670 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 43 Resp: 394401

Ion	Ratio	Lower	Upper
43	100		
72	19.8	16.3	24.5



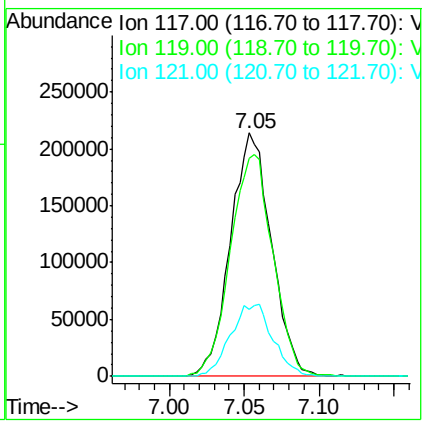


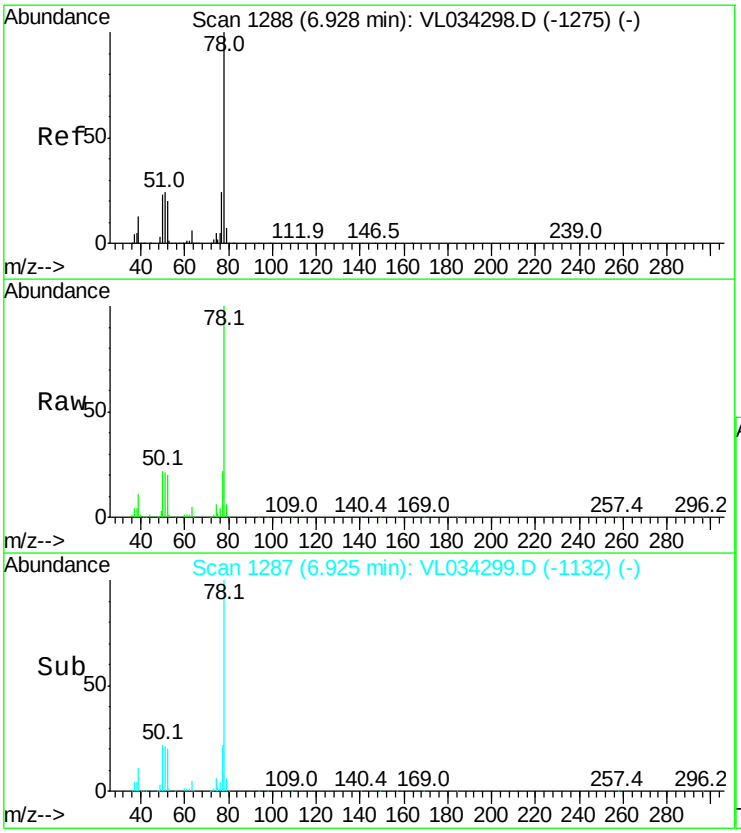
#35
Carbon Tetrachloride
Concen: 2.118 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 406912

Ion	Ratio	Lower	Upper
117	100		
119	89.8	77.3	115.9
121	27.7	25.5	38.3

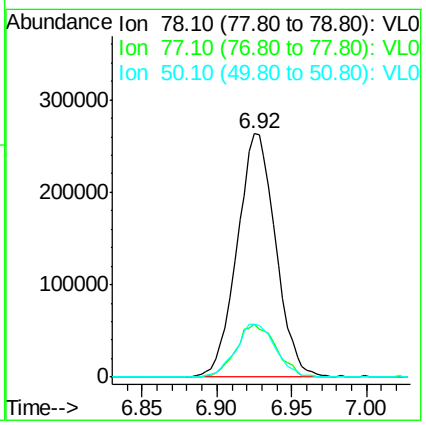


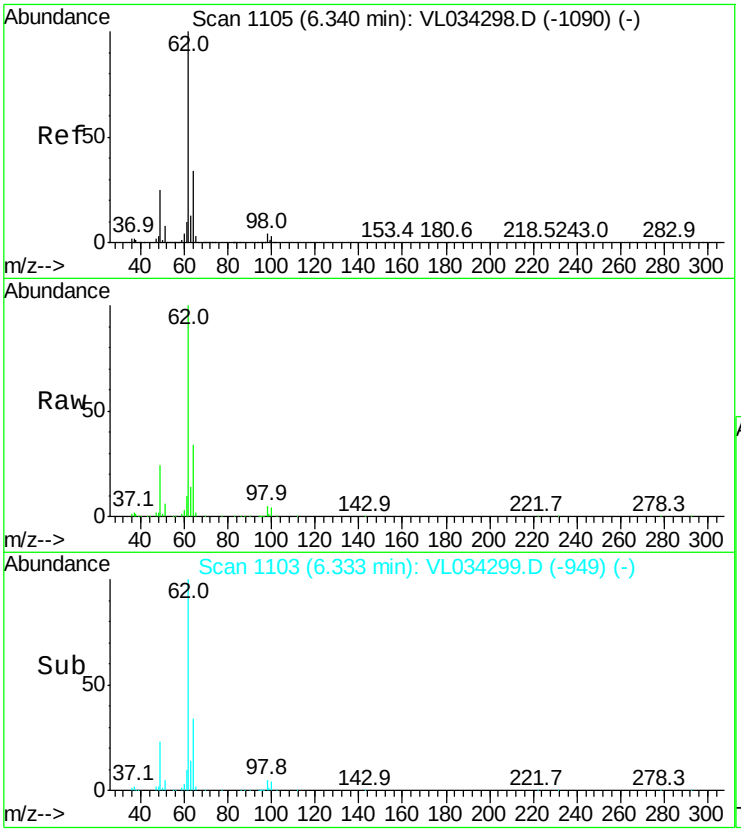


#36
Benzene
Concen: 1.848 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 78 Resp: 471896

Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.0	28.4
50	21.8	18.6	27.8



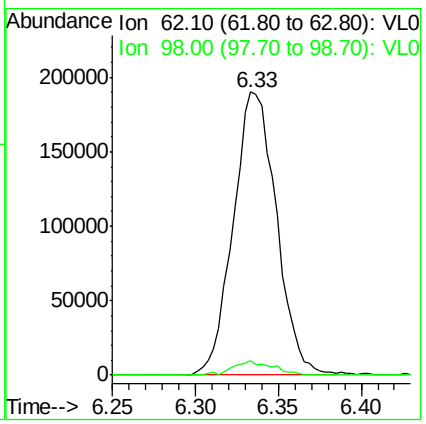


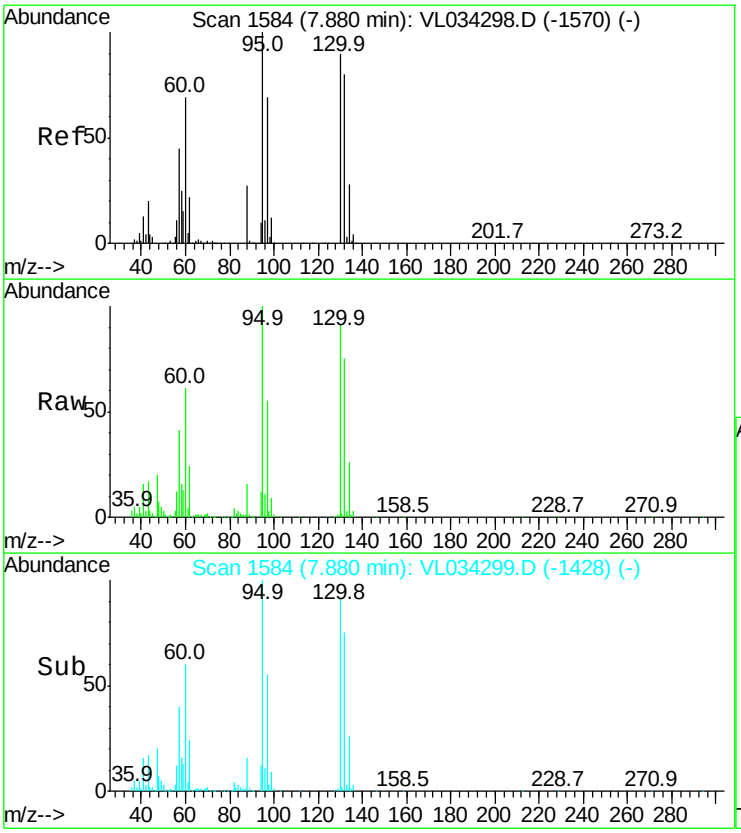
#37
1,2-Dichloroethane
Concen: 1.893 ppbv
RT: 6.33 min Scan# 1103
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 343892

Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.6

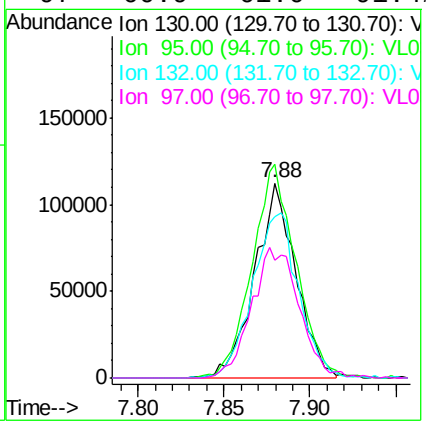


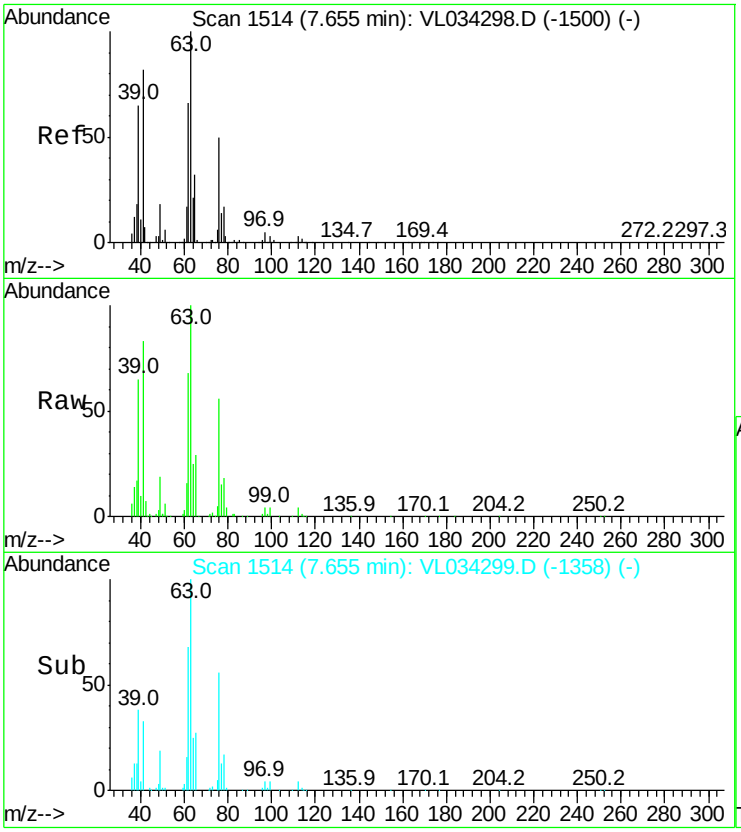


#38
Trichloroethene
Concen: 2.027 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:130 Resp: 184990

Ion	Ratio	Lower	Upper
130	100		
95	109.9	88.6	132.8
132	85.7	71.2	106.8
97	60.9	61.0	91.4#



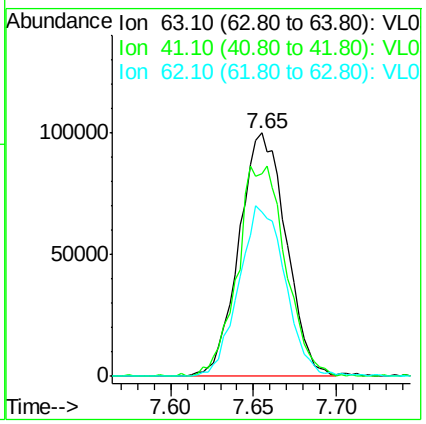


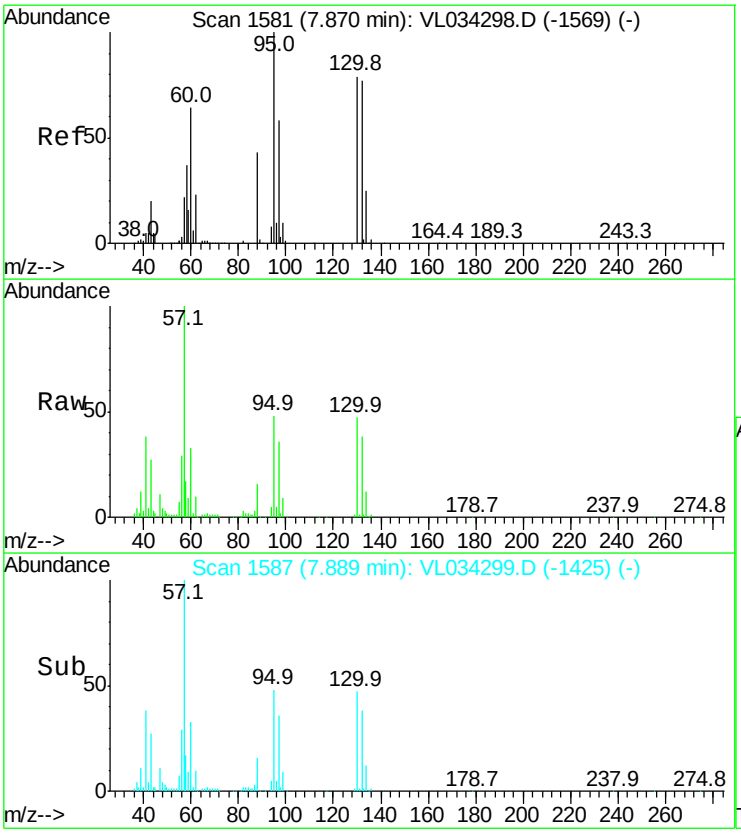
#39
1,2-Dichloropropane
Concen: 1.714 ppbv
RT: 7.65 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 196736

Ion	Ratio	Lower	Upper
63	100		
41	83.0	65.6	98.4
62	67.5	53.0	79.6

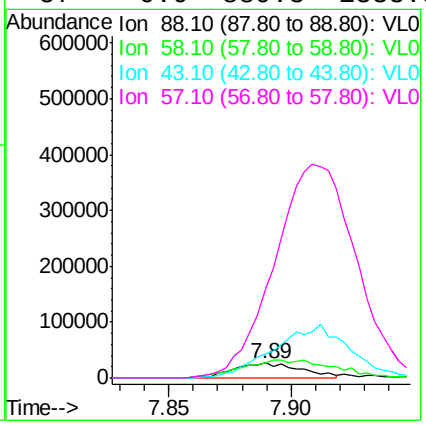


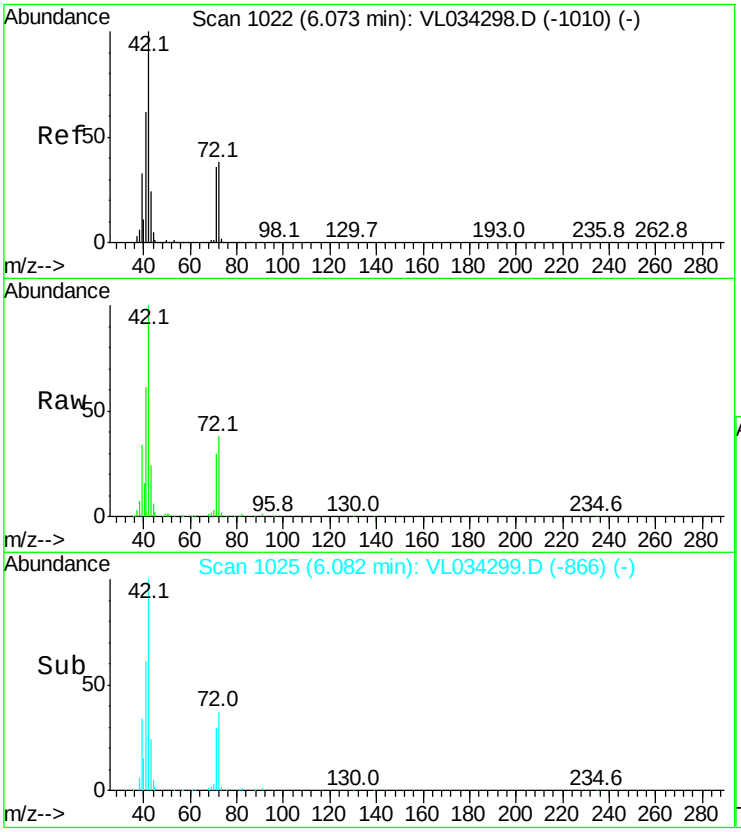


#40
1,4-Dioxane
Concen: 1.377 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.02 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 88 Resp: 51144

Ion	Ratio	Lower	Upper
88	100		
58	176.9	110.3	165.5#
43	0.0	228.1	342.1#
57	0.0	889.3	1333.9#



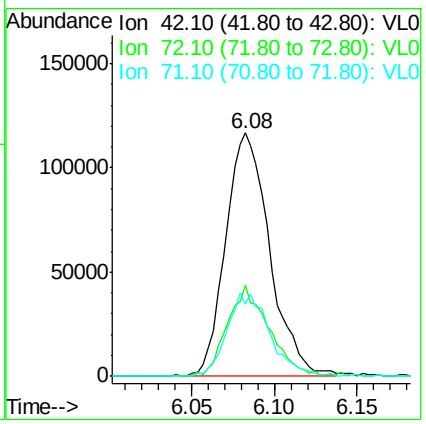


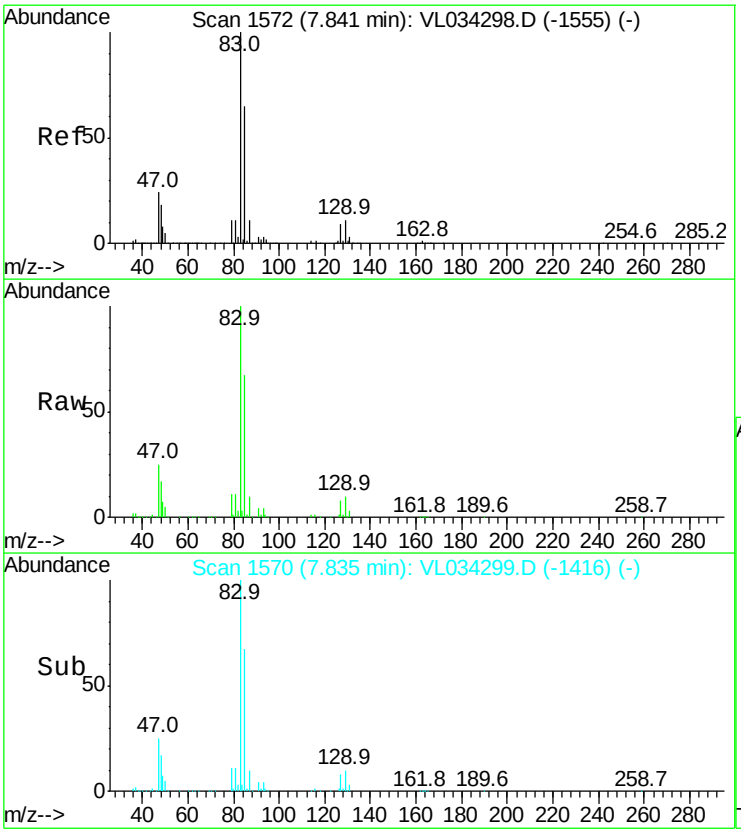
#41
Tetrahydrofuran
Concen: 1.611 ppbv
RT: 6.08 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 214248

Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.0	42.0
71	33.8	27.3	40.9

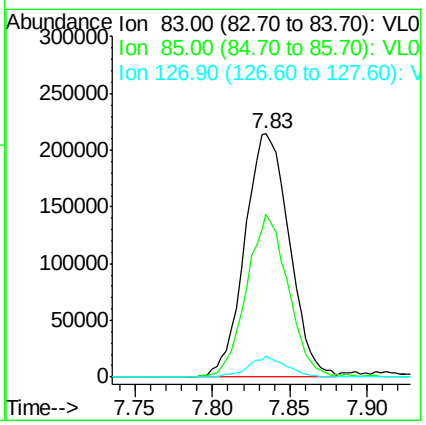


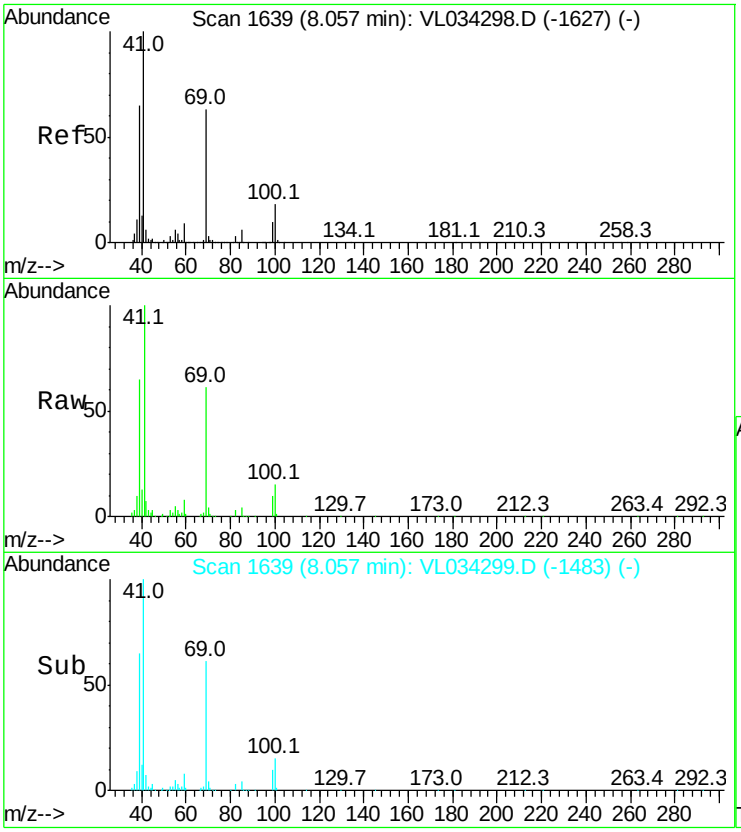


#42
Bromodichloromethane
Concen: 1.971 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 83 Resp: 429592

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.8	77.6
127	8.4	7.0	10.6



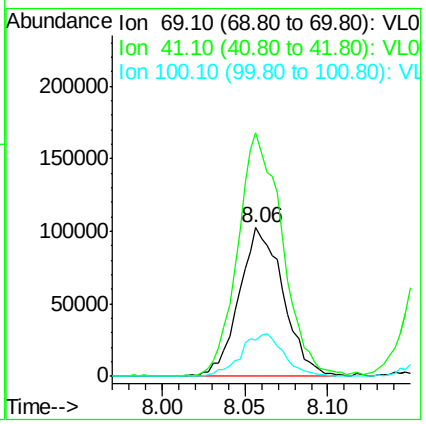


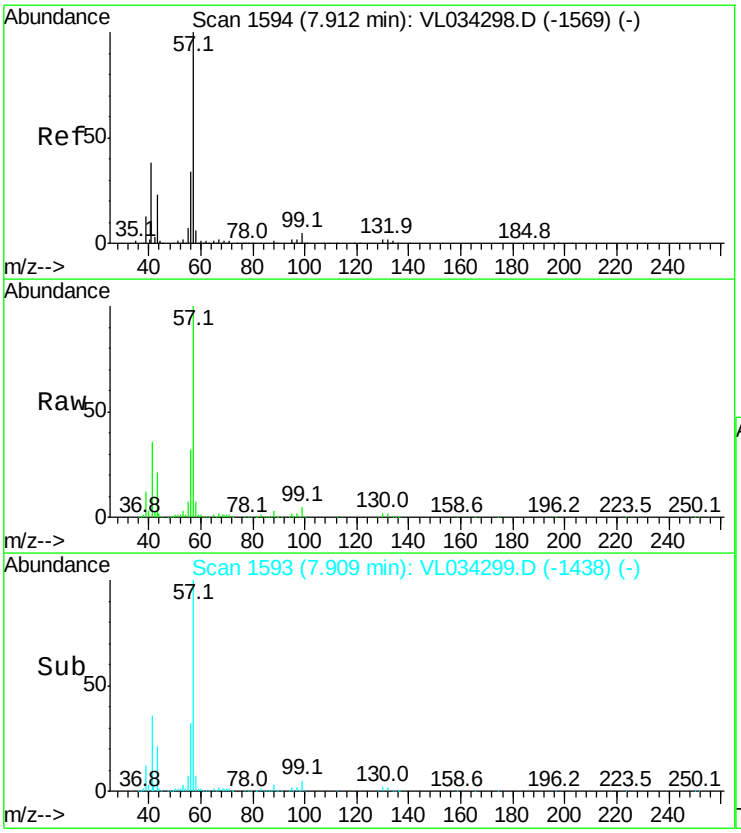
#43
Methyl Methacrylate
Concen: 1.803 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 190225

Ion	Ratio	Lower	Upper
69	100		
41	165.8	132.1	198.1
100	28.3	23.2	34.8

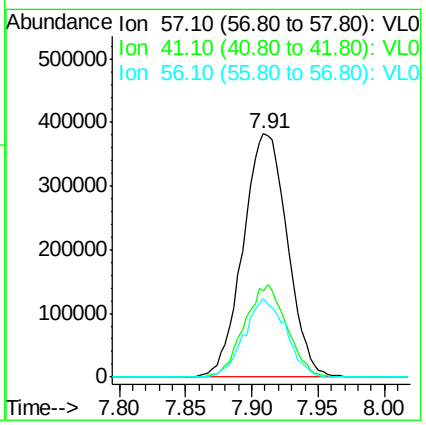


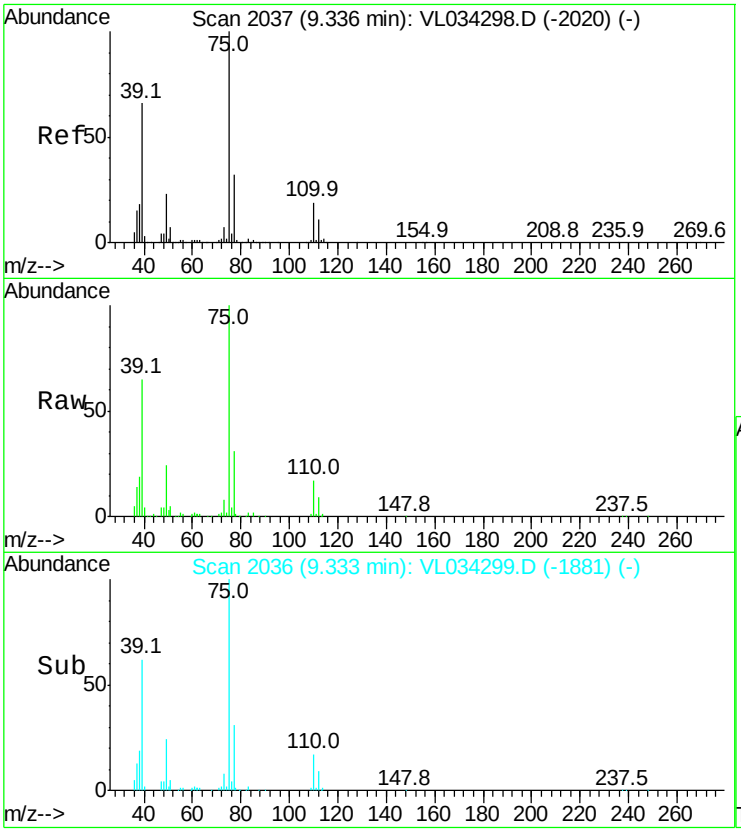


#44
2,2,4-Trimethylpentane
Concen: 1.803 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 57 Resp: 886434

Ion	Ratio	Lower	Upper
57	100		
41	36.5	29.3	43.9
56	30.3	25.3	37.9



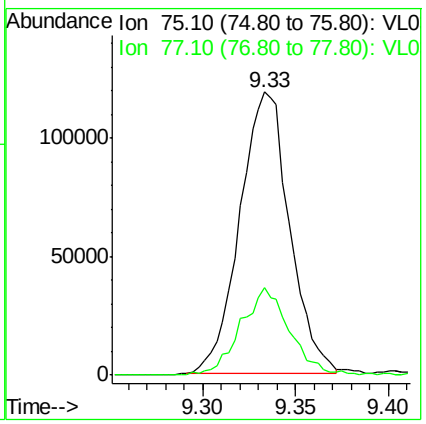


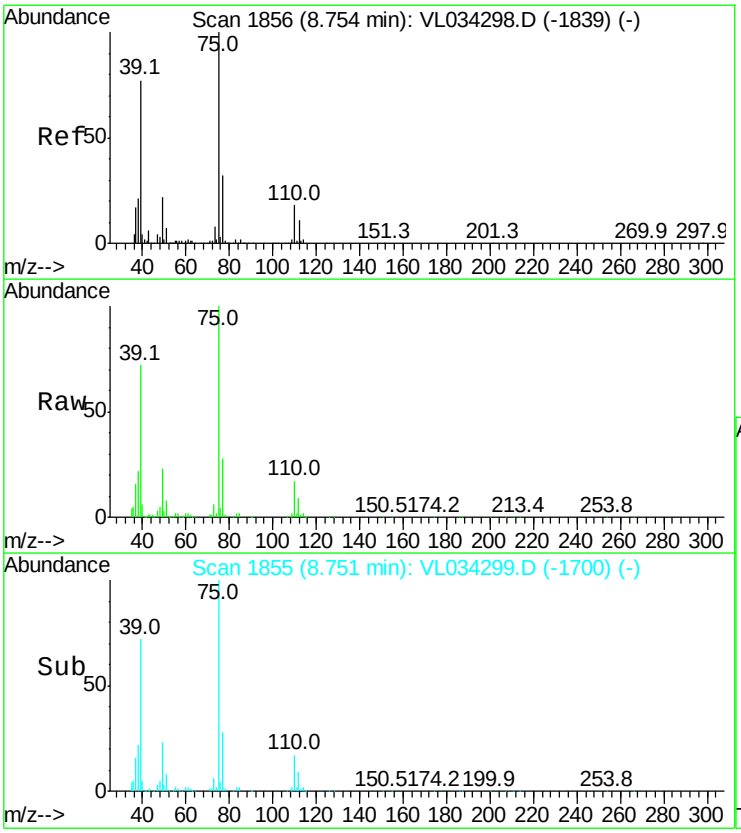
#45
t-1,3-Dichloropropene
Concen: 1.780 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 75 Resp: 222090

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4

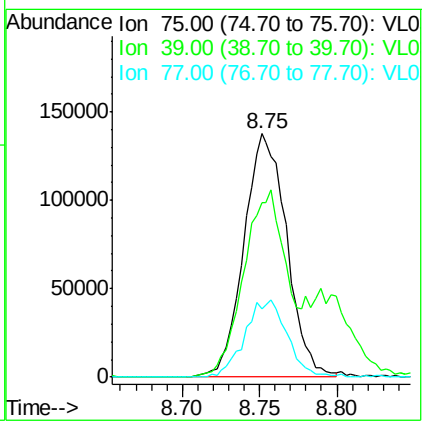


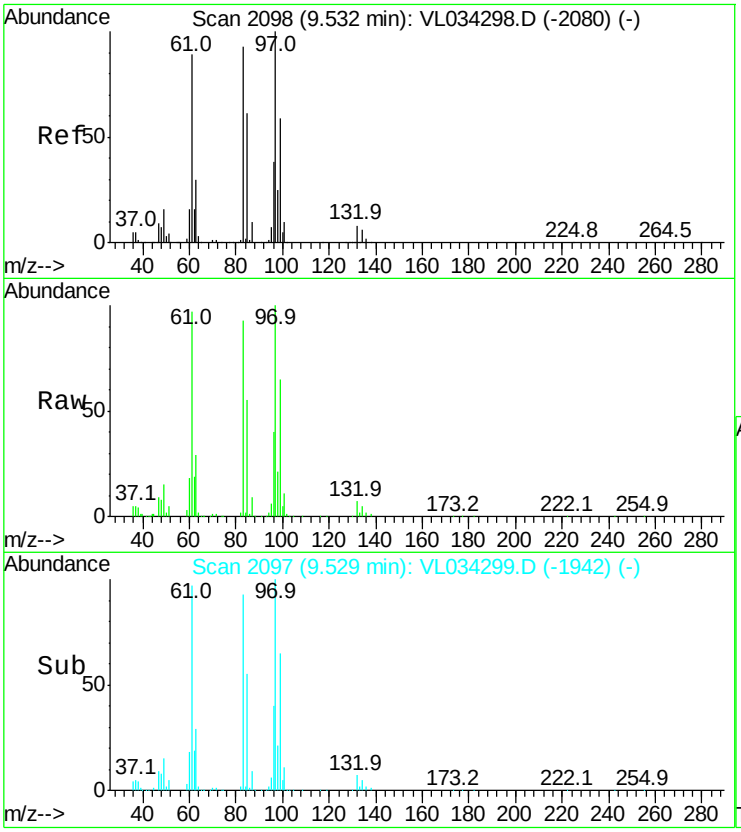


#46
cis-1,3-Dichloropropene
Concen: 1.763 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 75 Resp: 264478

Ion	Ratio	Lower	Upper
75	100		
39	71.8	61.2	91.8
77	28.2	25.9	38.9



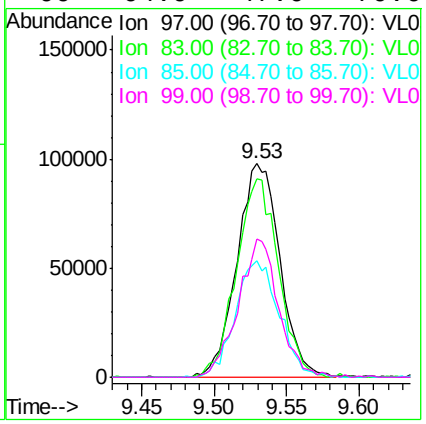


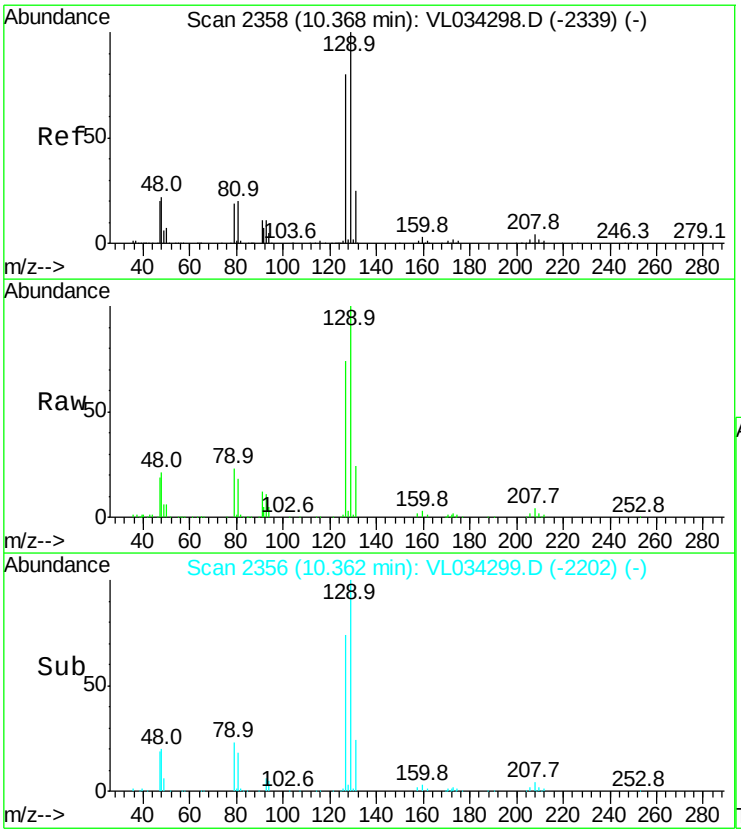
#47
1,1,2-Trichloroethane
Concen: 1.962 ppbv
RT: 9.53 min Scan# 2097
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 202116

Ion	Ratio	Lower	Upper
97	100		
83	92.9	74.2	111.2
85	54.0	48.6	73.0
99	64.9	47.0	70.6

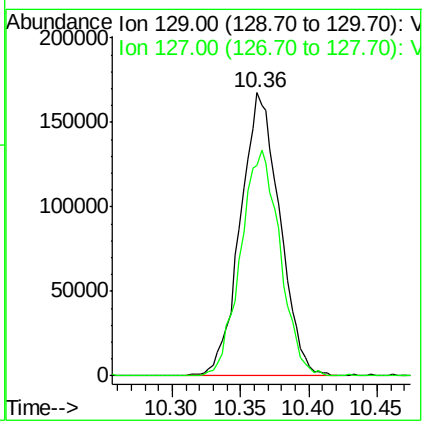


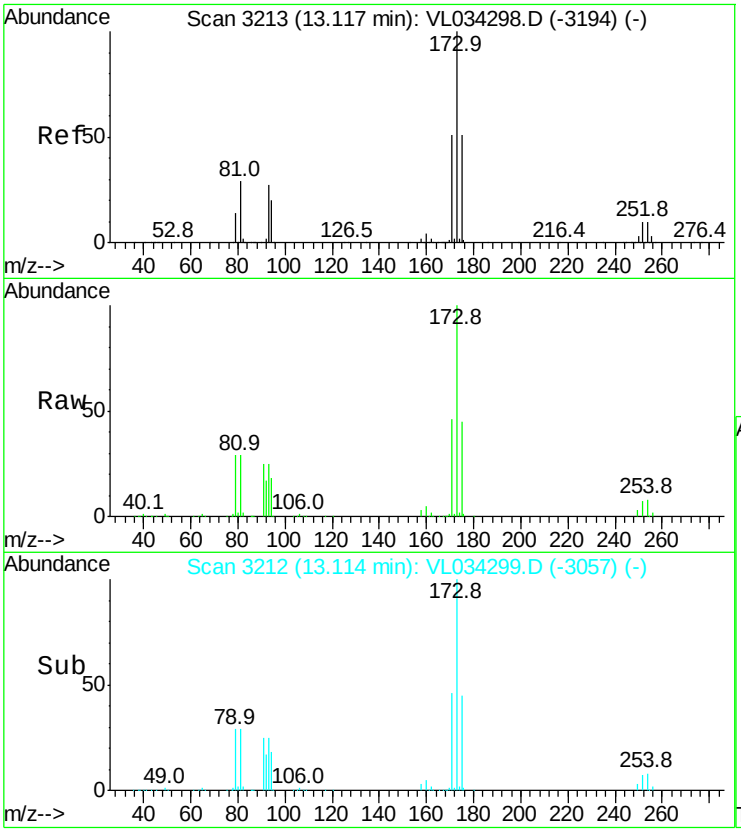


#48
Dibromochloromethane
Concen: 2.052 ppbv
RT: 10.36 min Scan# 2356
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:129 Resp: 335206

Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.7	119.1



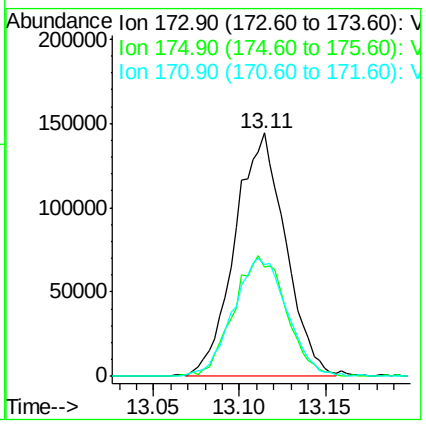


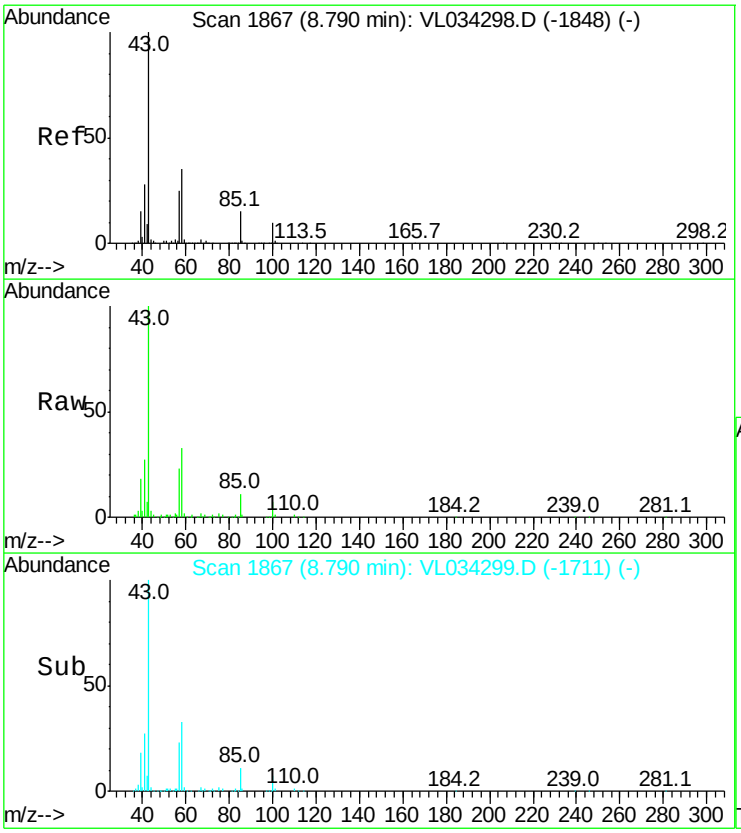
#49
Bromoform
Concen: 2.232 ppbv
RT: 13.11 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:173 Resp: 294935

Ion	Ratio	Lower	Upper
173	100		
175	51.4	39.8	59.6
171	51.7	41.8	62.6

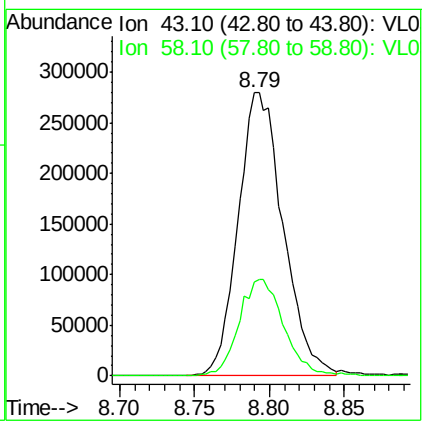


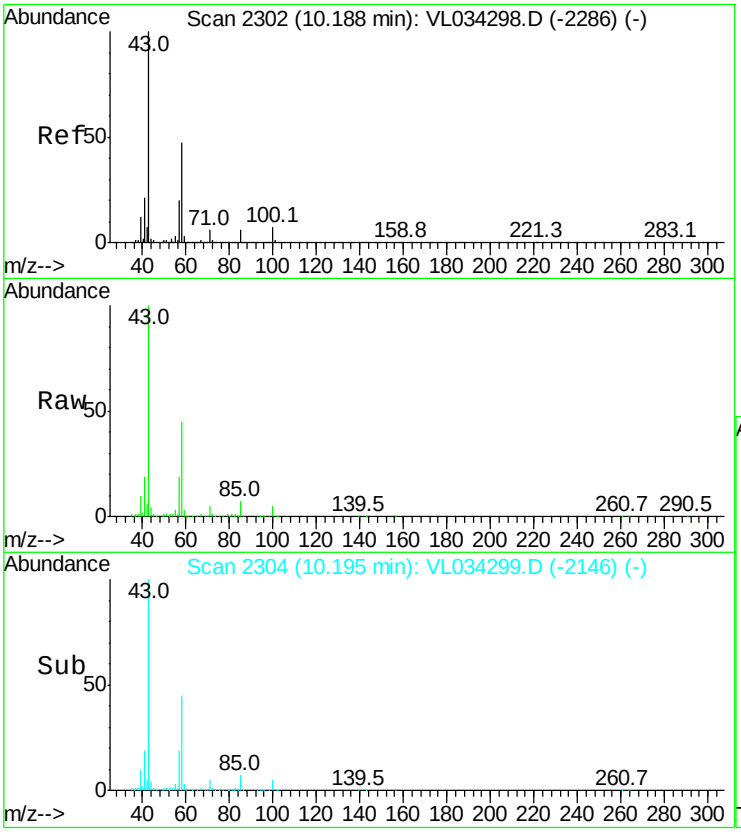


#50
4-Methyl-2-Pentanone
Concen: 1.703 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 43 Resp: 585314

Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.6	41.4



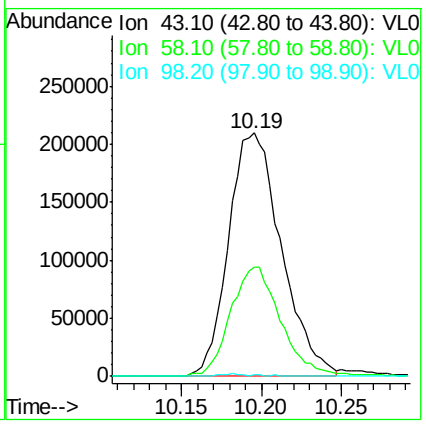


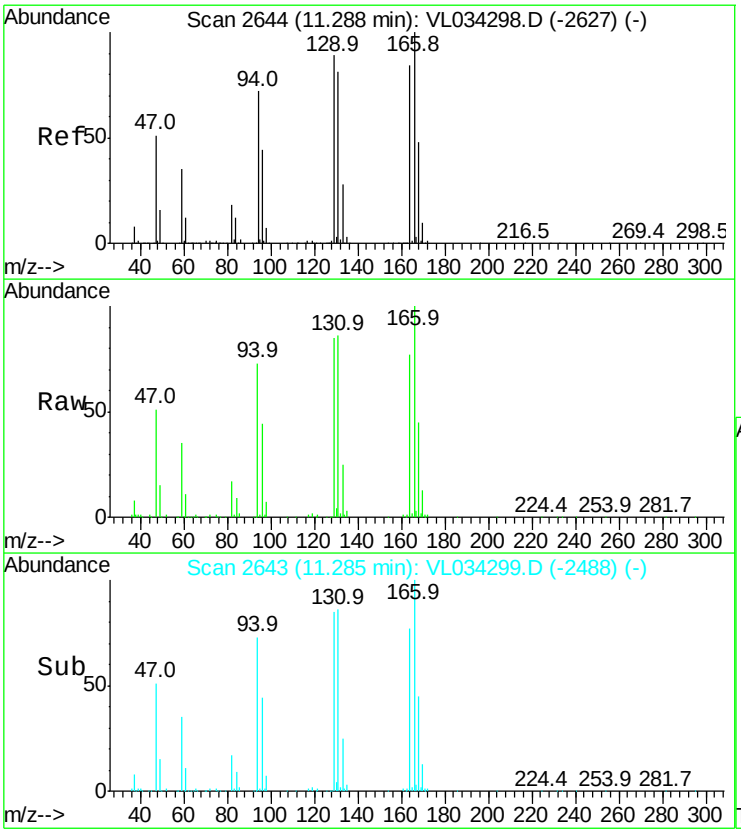
#51
2-Hexanone
Concen: 1.630 ppbv
RT: 10.19 min Scan# 2304
Delta R.T. 0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 470192

Ion	Ratio	Lower	Upper
43	100		
58	43.5	37.0	55.6
98	0.6	0.2	0.2#

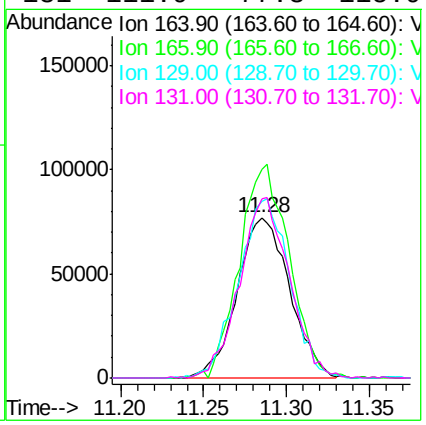


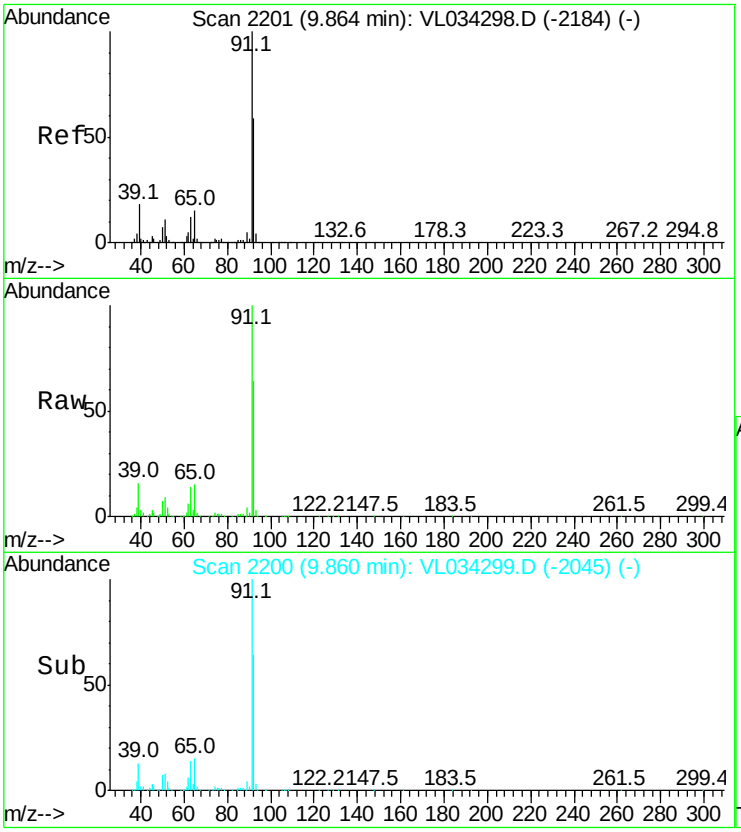


#52
Tetrachloroethene
Concen: 2.010 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:164 Resp: 169593

Ion	Ratio	Lower	Upper
164	100		
166	129.5	95.3	142.9
129	108.8	84.5	126.7
131	111.9	77.3	115.9



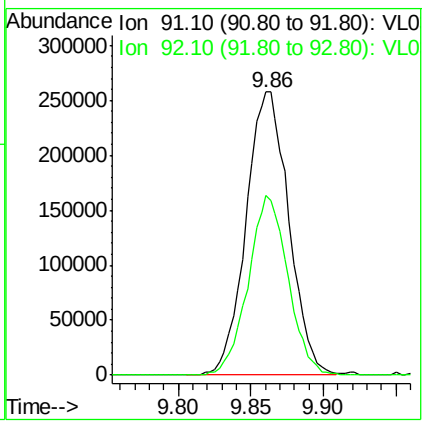


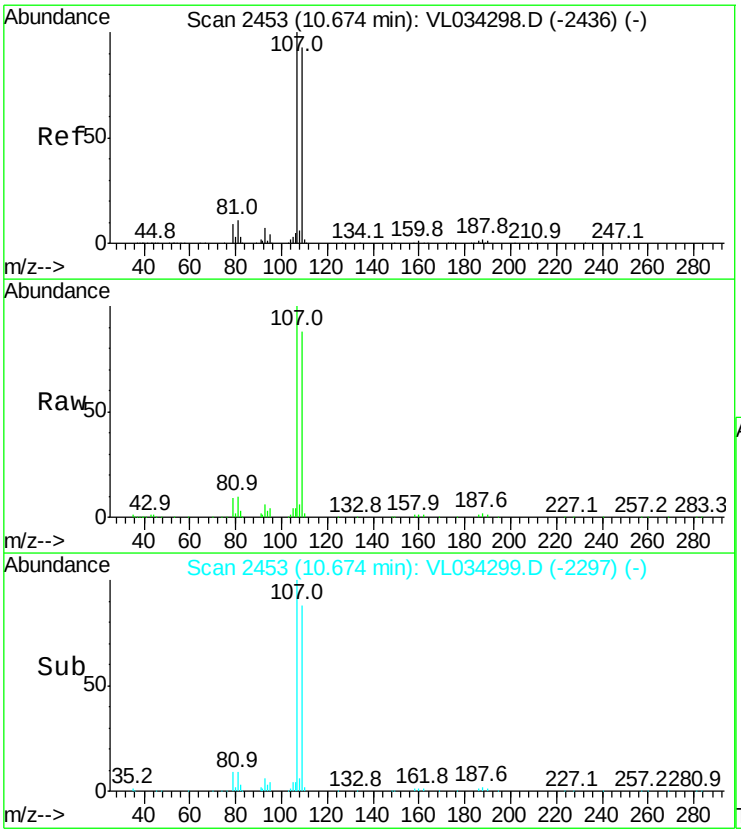
#53
Toluene
Concen: 1.892 ppbv
RT: 9.86 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 528142

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.4	72.6

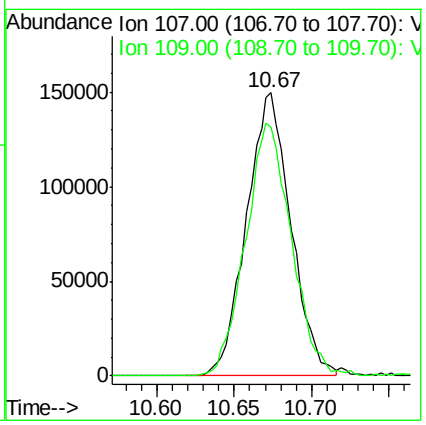


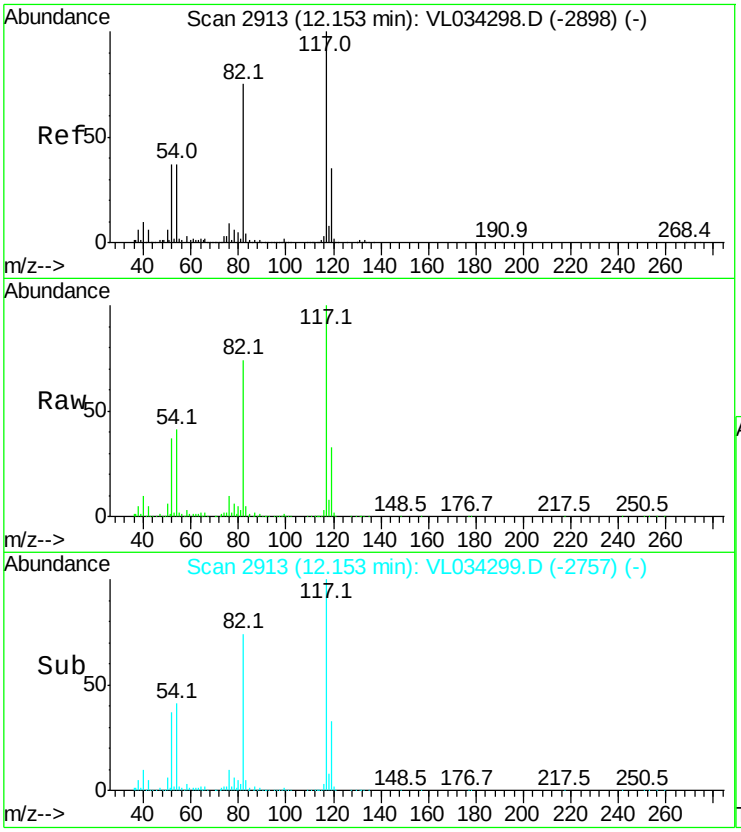


#54
1,2-Dibromoethane
Concen: 1.946 ppbv
RT: 10.67 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:107 Resp: 298175

Ion	Ratio	Lower	Upper
107	100		
109	87.8	74.6	112.0



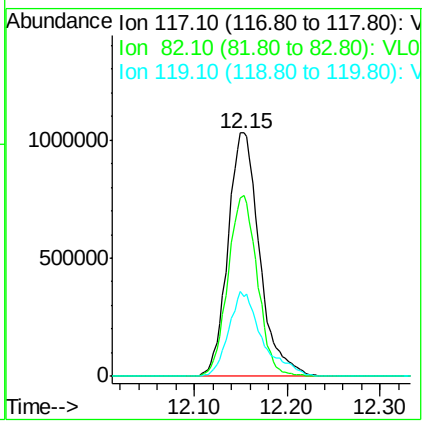


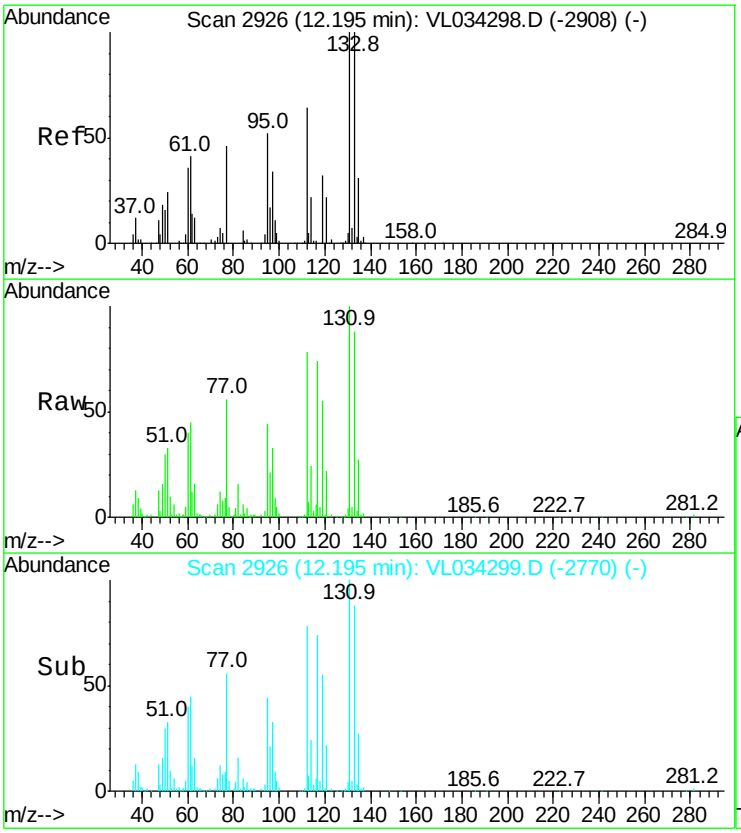
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 2445041

Ion	Ratio	Lower	Upper
117	100		
82	69.3	55.5	83.3
119	36.8	26.5	39.7

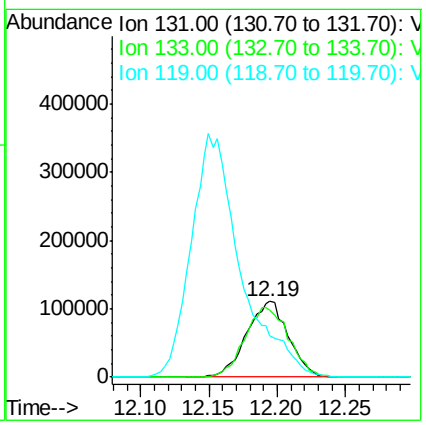


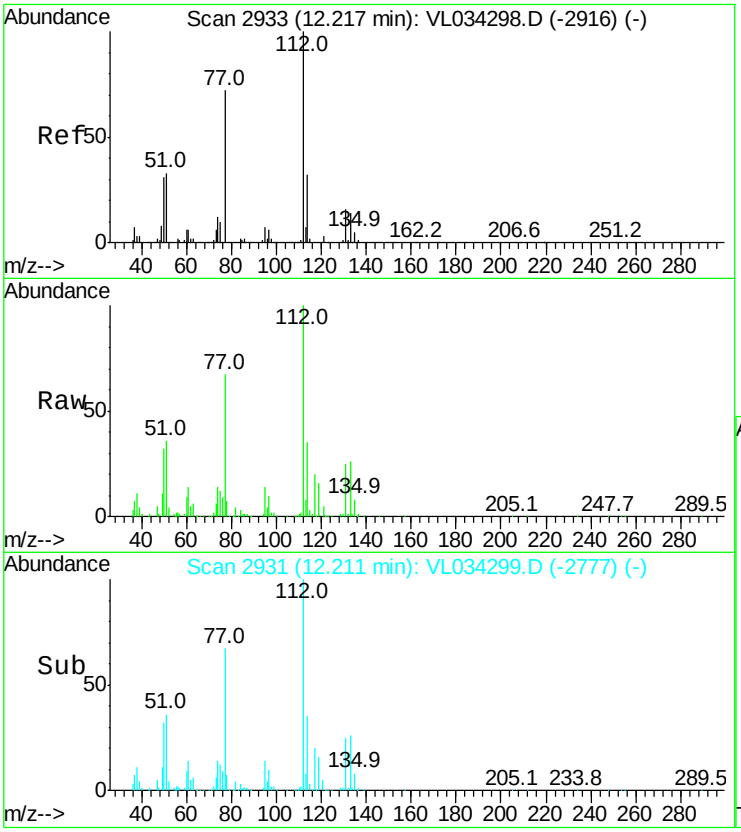


#56
1,1,1,2-Tetrachloroethane
Concen: 2.163 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:131 Resp: 235900

Ion	Ratio	Lower	Upper
131	100		
133	97.4	77.1	115.7
119	381.1	49.0	73.4#



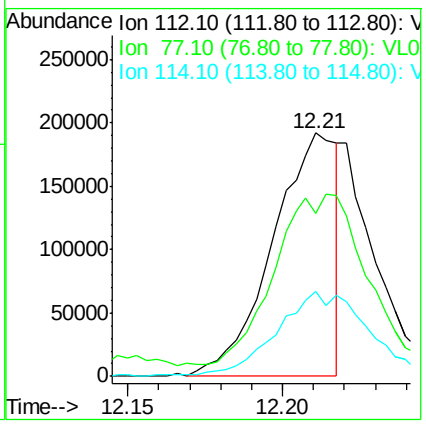


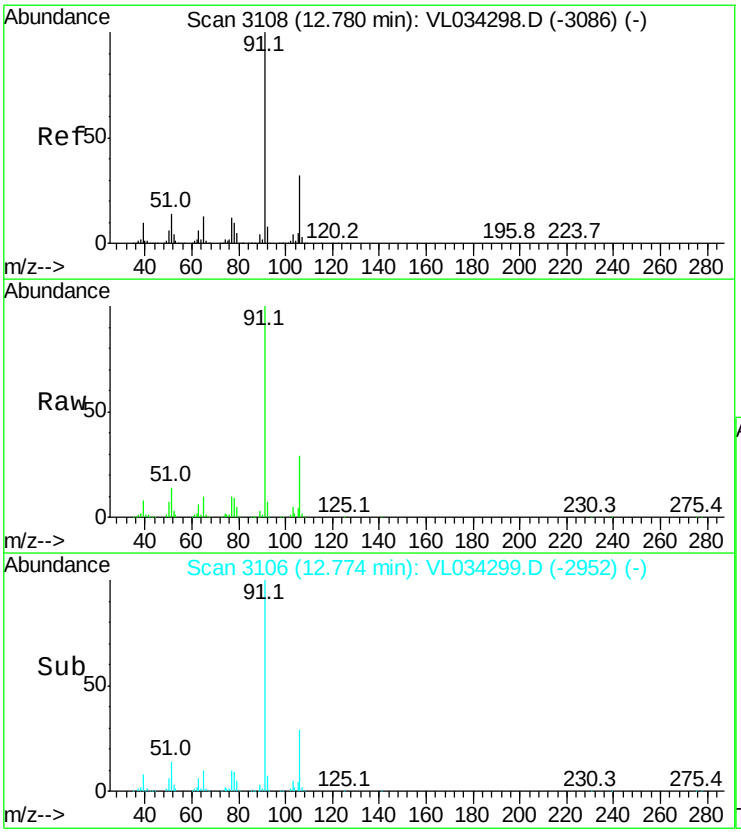
#57
Chlorobenzene
Concen: 1.292 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:112 Resp: 274960

Ion	Ratio	Lower	Upper
112	100		
77	61.7	58.6	88.0
114	34.4	28.6	35.0

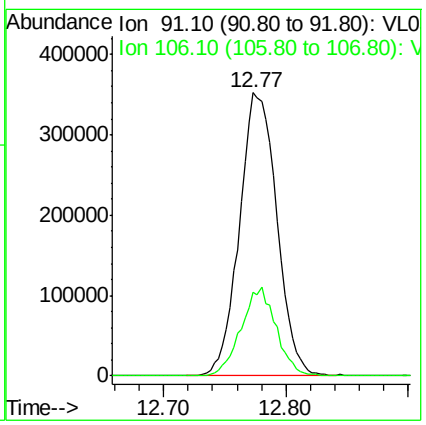


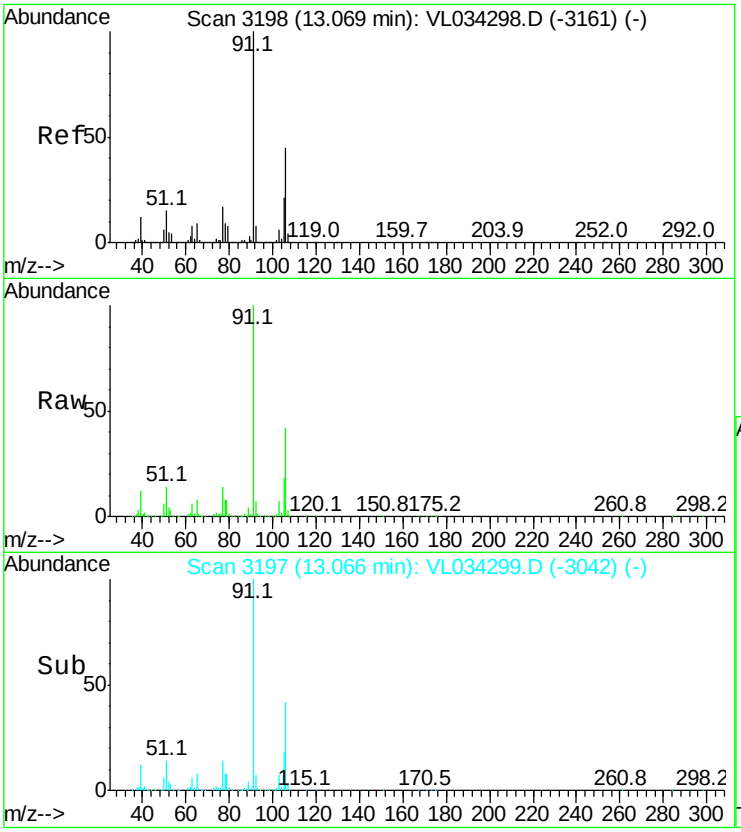


#58
Ethyl Benzene
Concen: 1.890 ppbv
RT: 12.77 min Scan# 3106
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 91 Resp: 745465

Ion	Ratio	Lower	Upper
91	100		
106	29.4	25.3	37.9



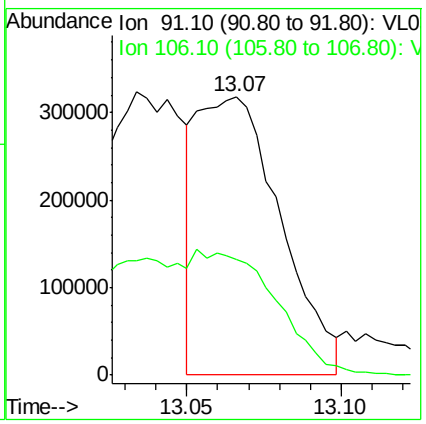


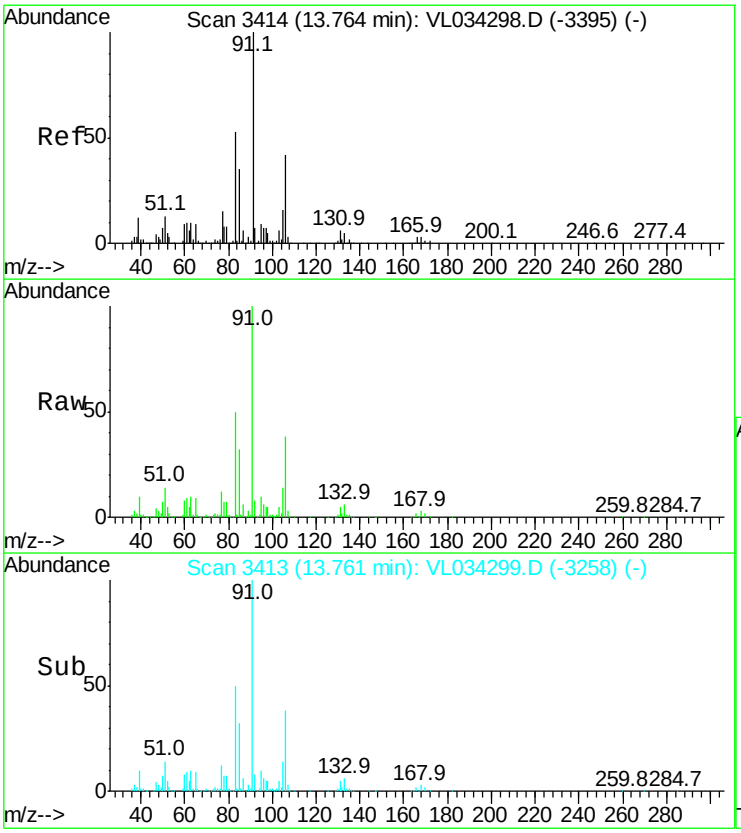
#59
m/p-Xylene
Concen: 1.810 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 591475

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

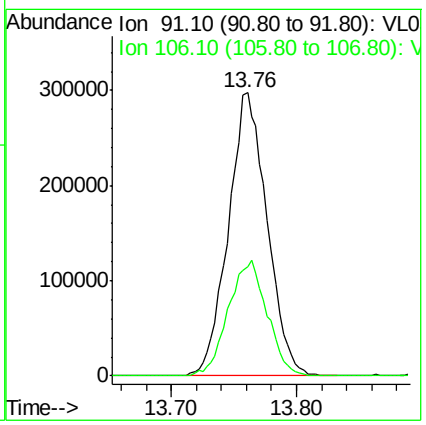


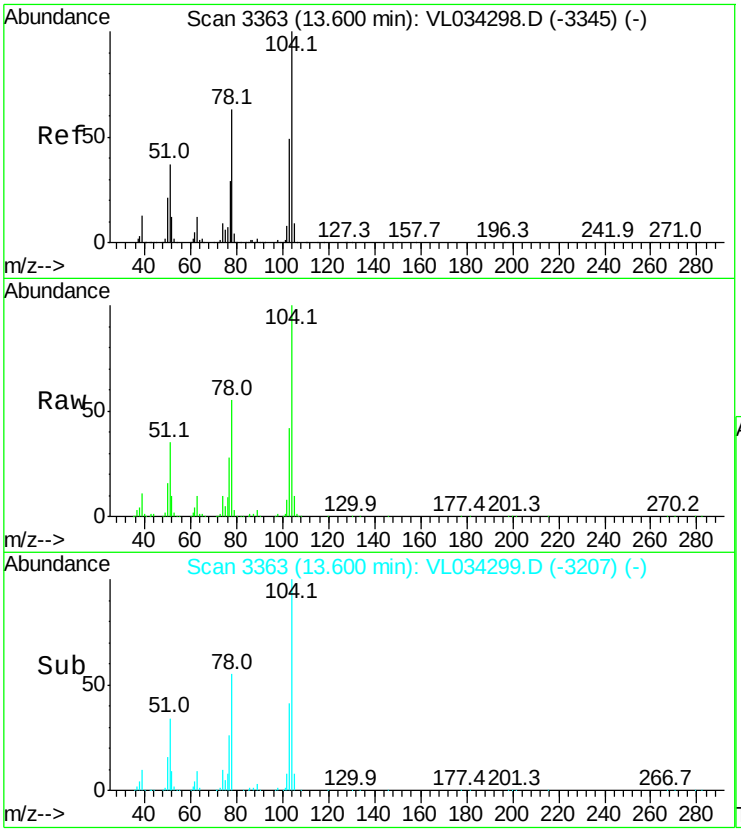


#60
o-Xylene
Concen: 1.942 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 91 Resp: 634557

Ion	Ratio	Lower	Upper
91	100		
106	41.0	21.6	64.6



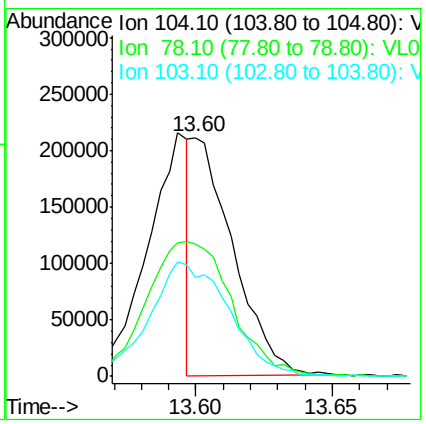


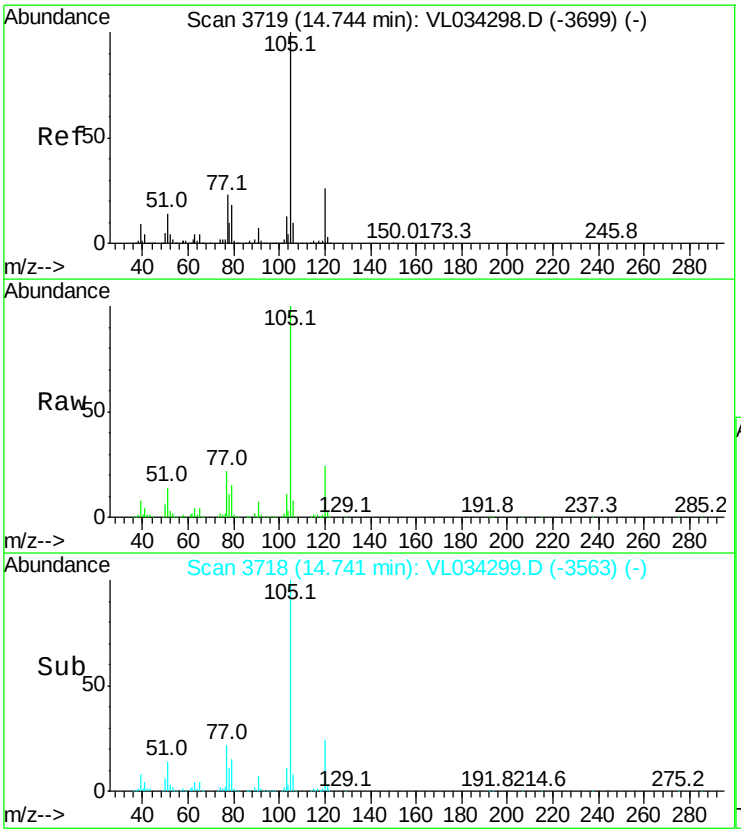
#61
Styrene
Concen: 0.942 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:104 Resp: 220586

Ion	Ratio	Lower	Upper
104	100		
78	119.0	47.8	71.8#
103	0.0	39.0	58.6#

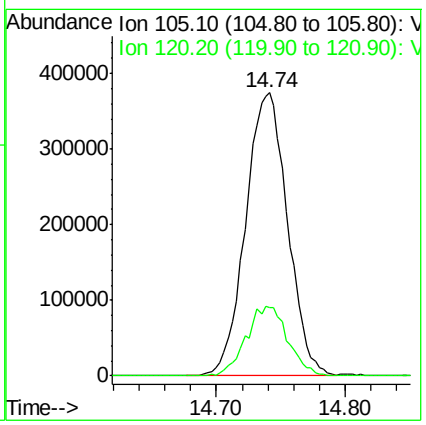


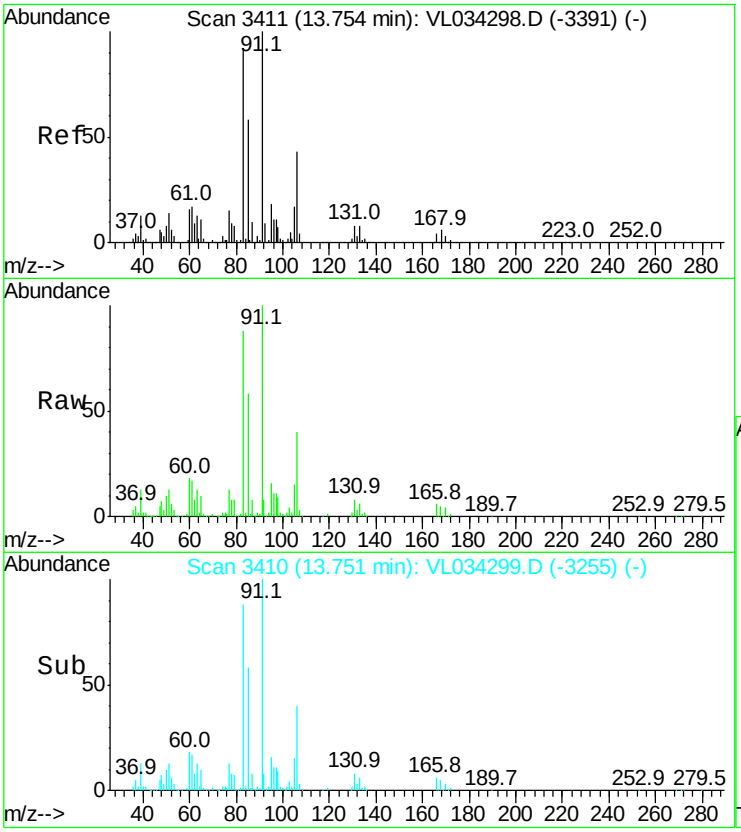


#62
Isopropylbenzene
Concen: 1.998 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:105 Resp: 845059

Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.8	31.2



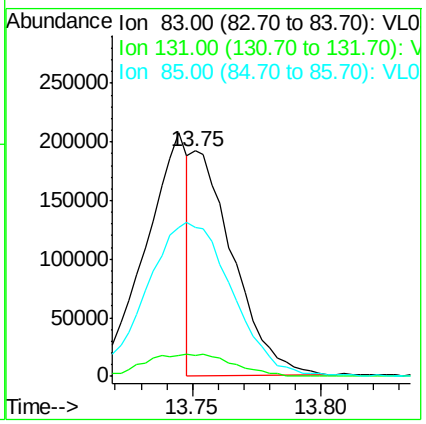


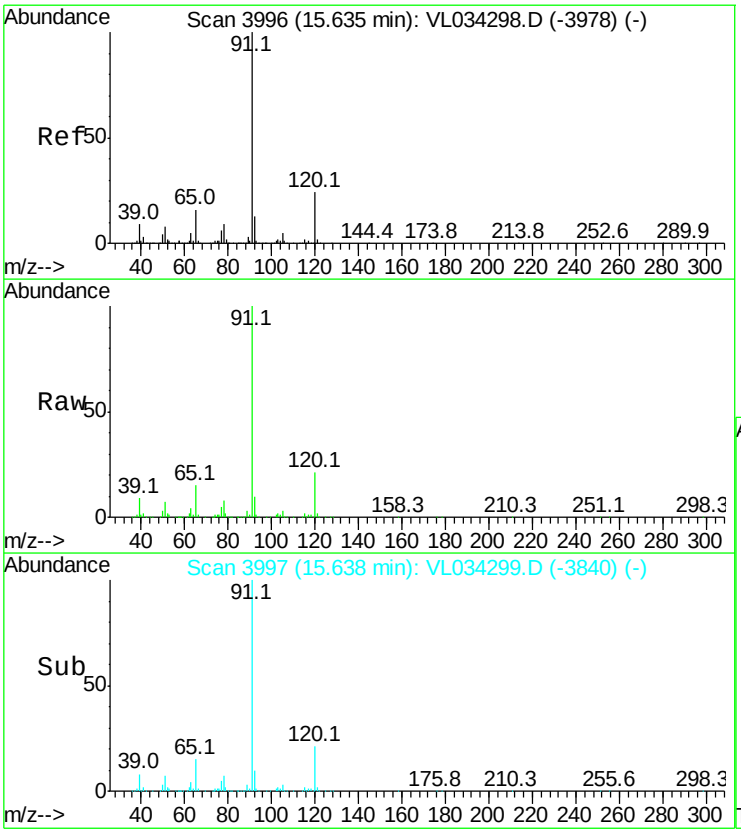
#63
1,1,2,2-Tetrachloroethane
Concen: 0.796 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 213141

Ion	Ratio	Lower	Upper
83	100		
131	21.9	4.8	14.4#
85	143.9	32.5	97.4#

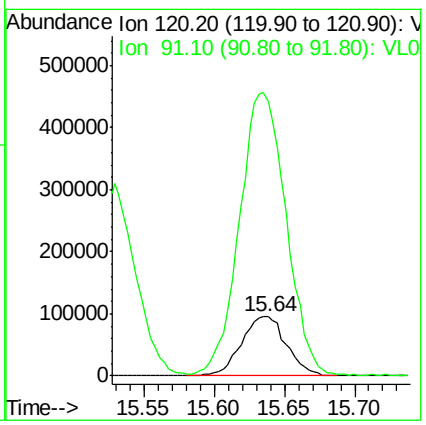


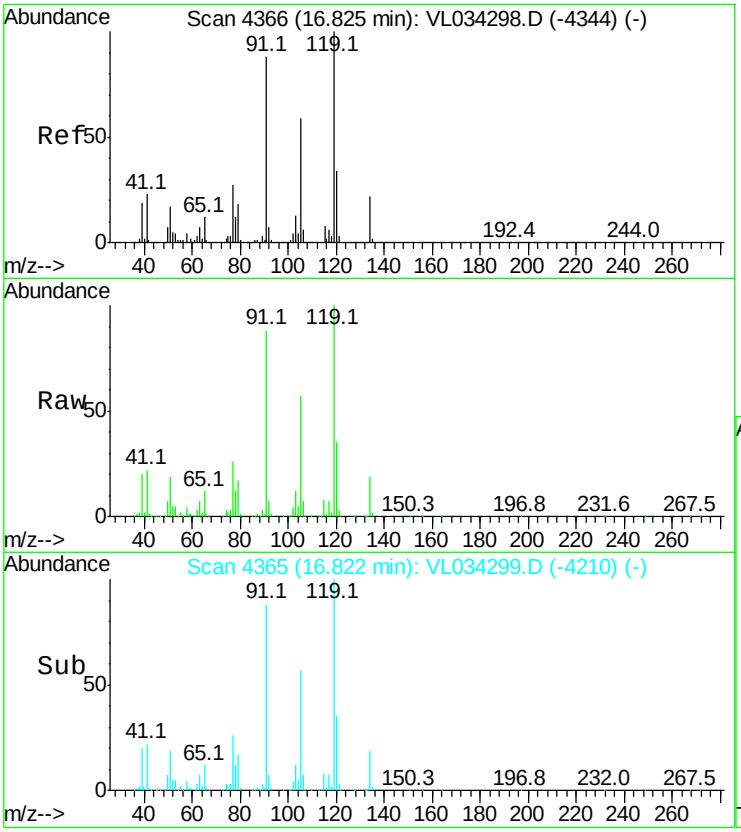


#64
n-propylbenzene
Concen: 1.990 ppbv
RT: 15.64 min Scan# 3997
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:120 Resp: 212931

Ion	Ratio	Lower	Upper
120	100		
91	492.0	374.9	562.3



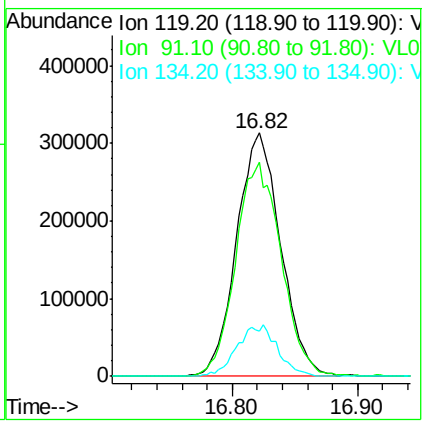


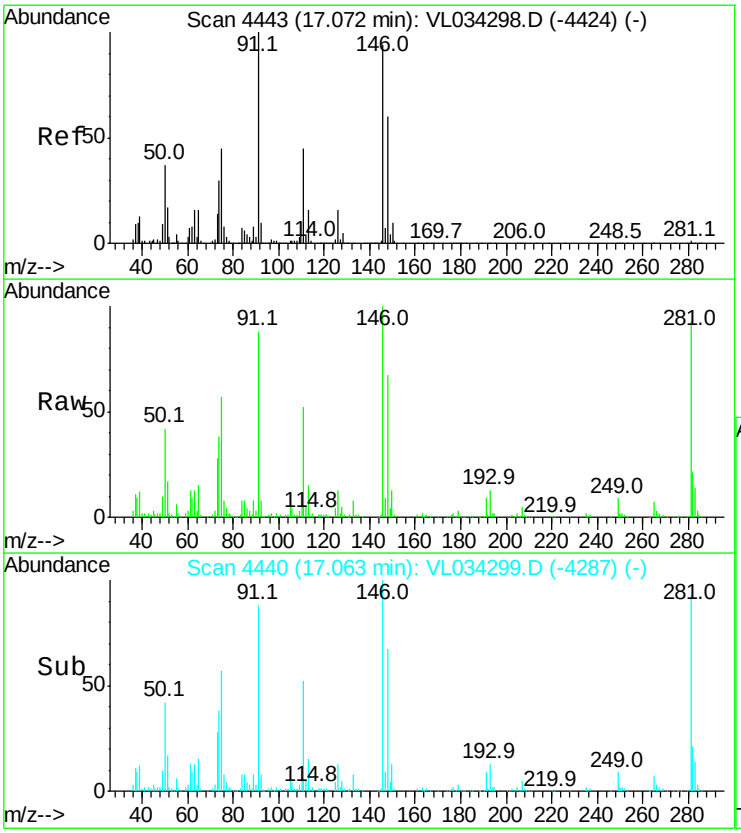
#65
tert-Butylbenzene
Concen: 2.068 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 764269

Ion	Ratio	Lower	Upper
119	100		
91	90.9	71.4	107.0
134	19.5	15.9	23.9

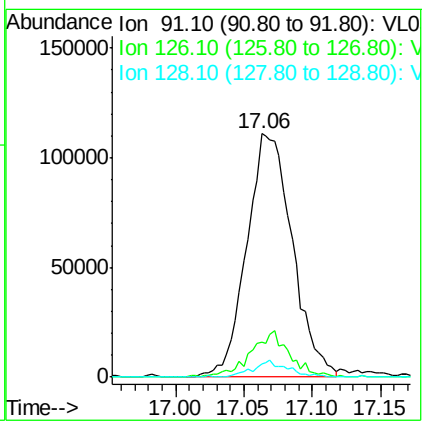


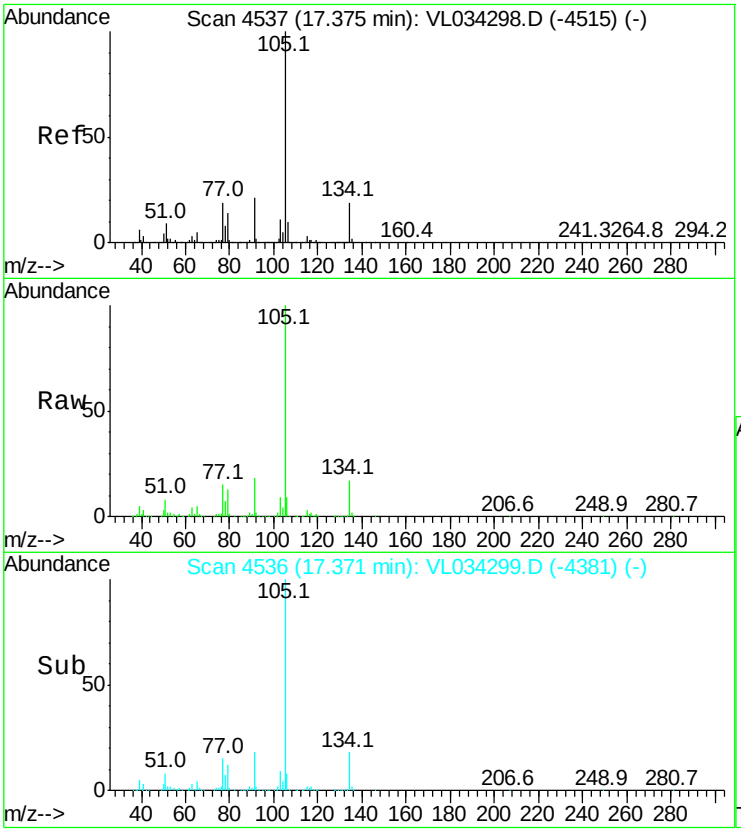


#66
Benzyl Chloride
Concen: 1.971 ppbv
RT: 17.06 min Scan# 4440
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 91 Resp: 257721

Ion	Ratio	Lower	Upper
91	100		
126	16.4	12.9	19.3
128	5.4	4.3	6.5



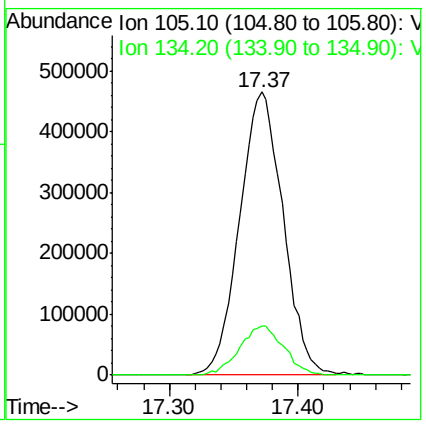


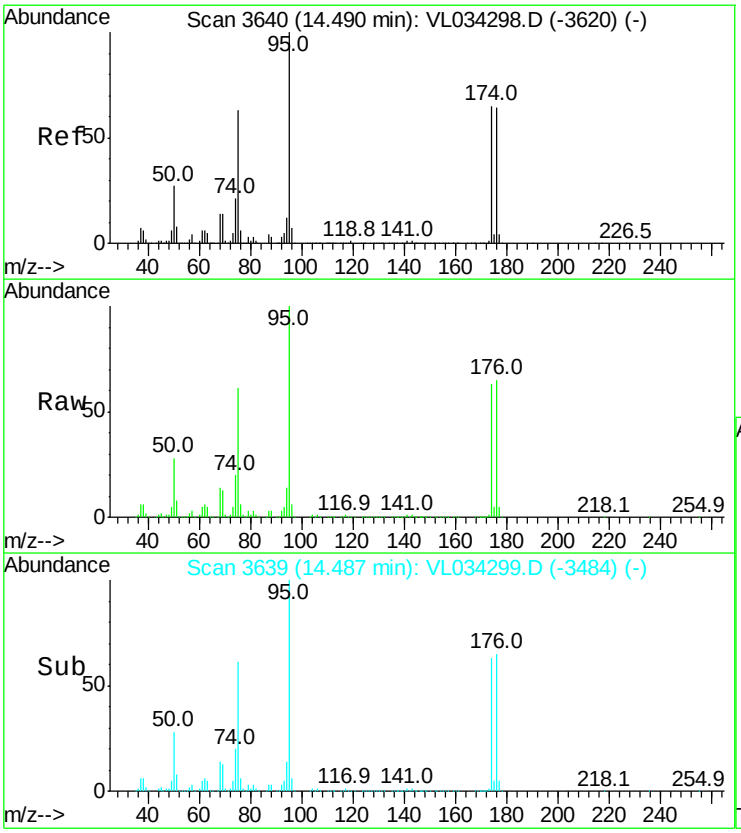
#67
sec-Butylbenzene
Concen: 2.061 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1089457

Ion	Ratio	Lower	Upper
105	100		
134	17.9	15.4	23.0

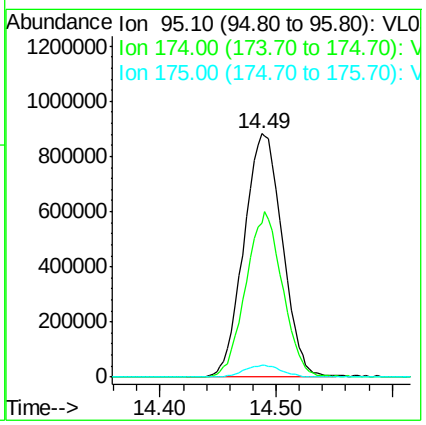


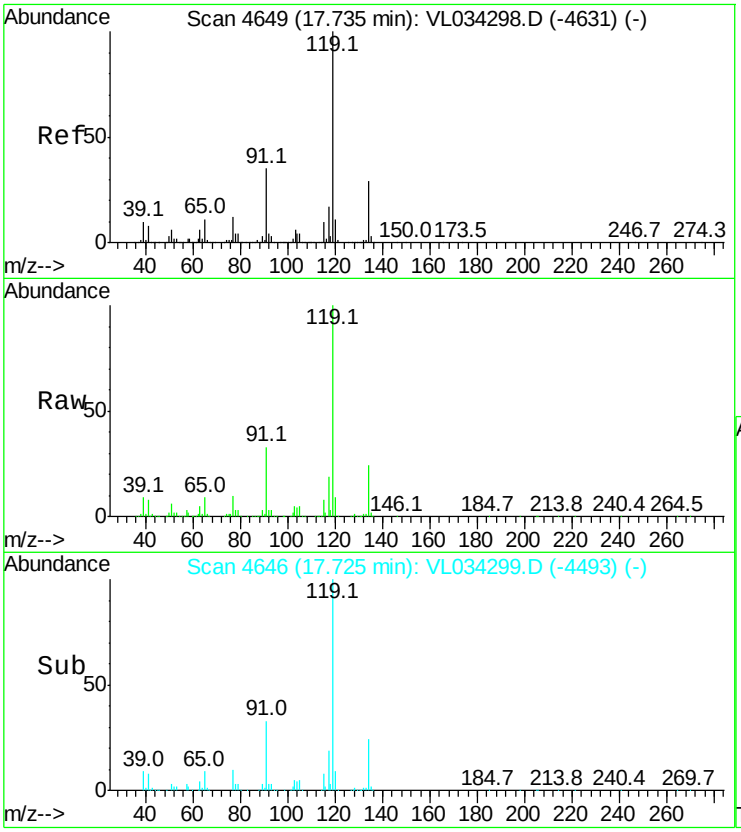


#68
1-Bromo-4-Fluorobenzene
Concen: 9.593 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 95 Resp: 2038090

Ion	Ratio	Lower	Upper
95	100		
174	65.3	52.6	78.8
175	4.8	3.8	5.6



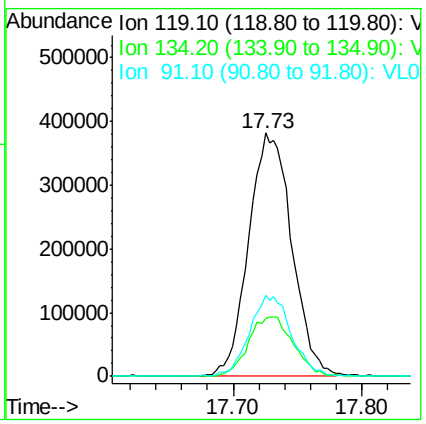


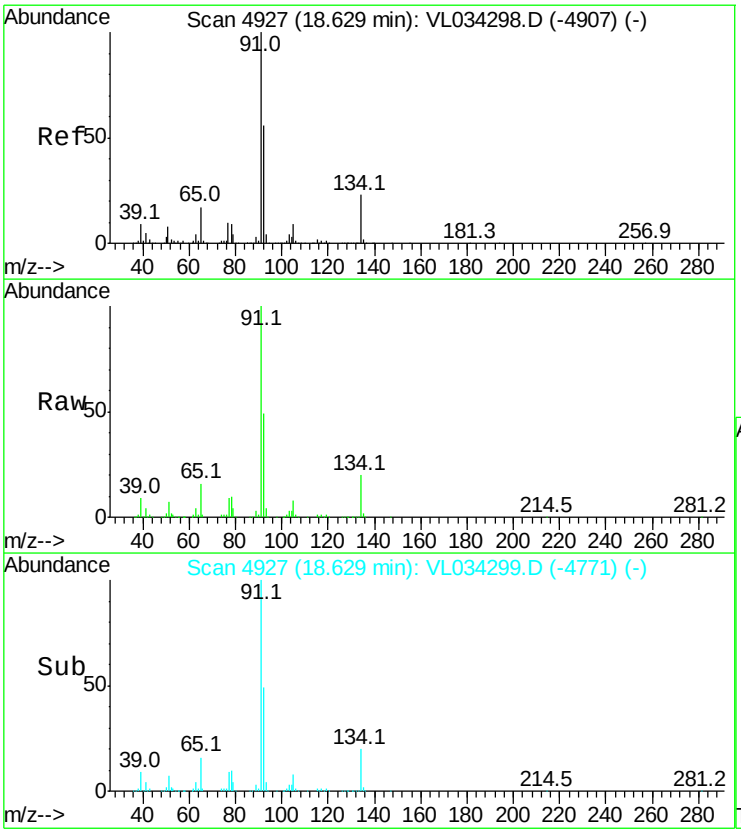
#69
p-Isopropyltoluene
Concen: 2.078 ppbv
RT: 17.73 min Scan# 4646
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 889403

Ion	Ratio	Lower	Upper
119	100		
134	25.6	21.3	31.9
91	32.6	26.6	39.8

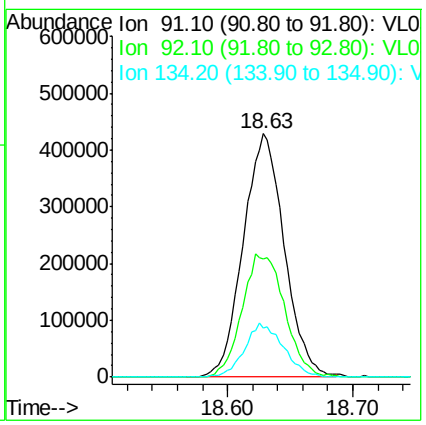


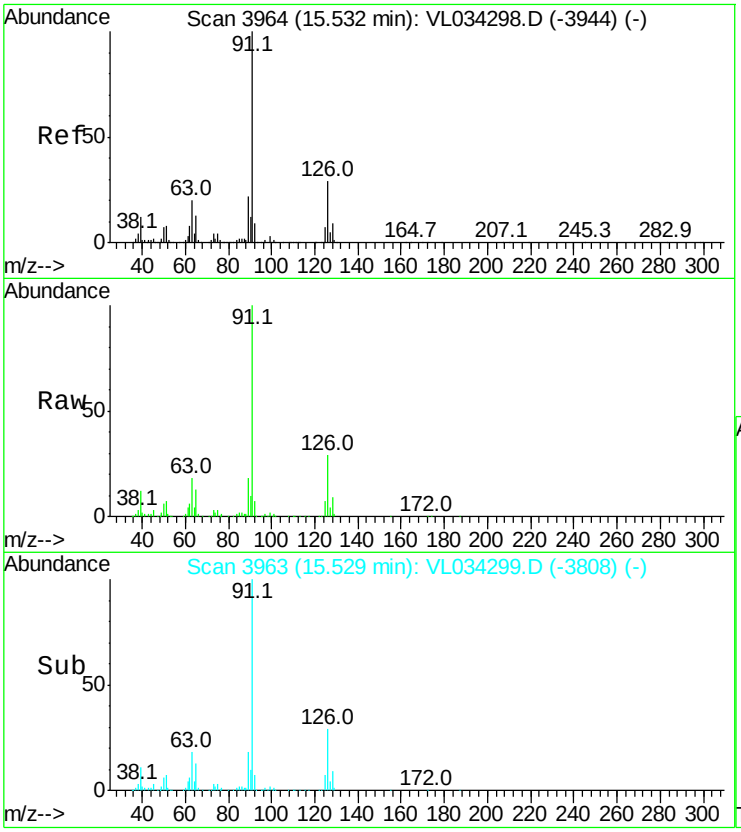


#70
n-Butylbenzene
Concen: 1.957 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion: 91 Resp: 975018

Ion	Ratio	Lower	Upper
91	100		
92	52.5	44.5	66.7
134	21.1	18.2	27.2



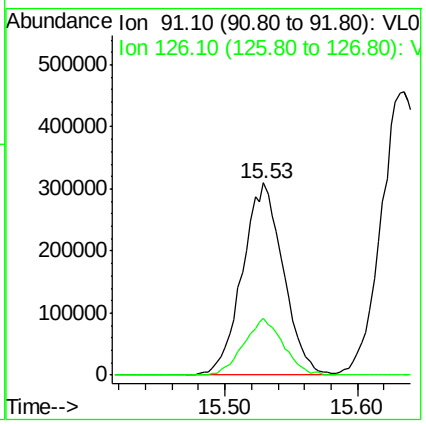


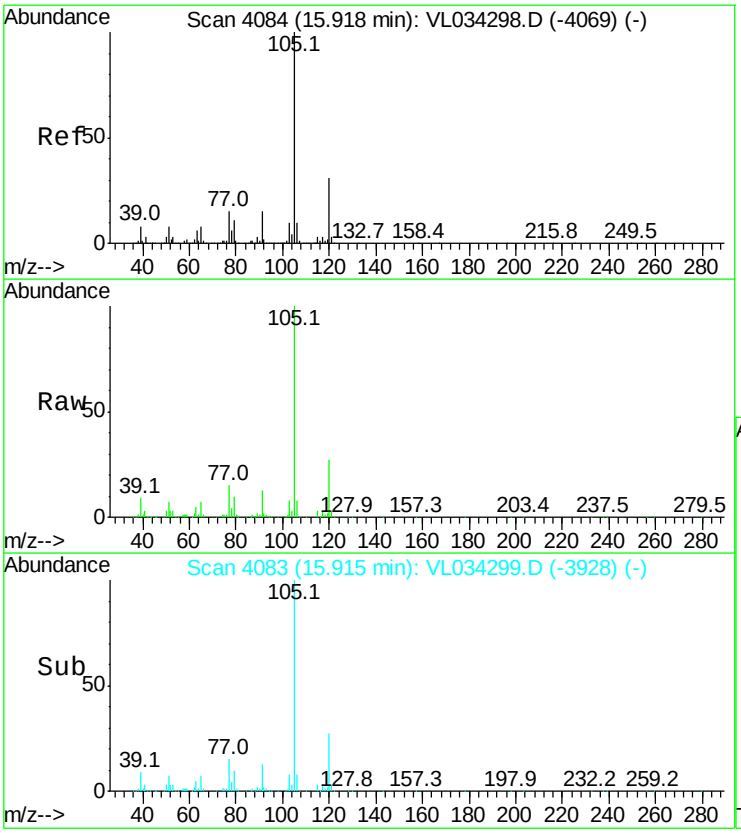
#71
2-Chlorotoluene
Concen: 1.919 ppbv
RT: 15.53 min Scan# 3963
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 663185

Ion	Ratio	Lower	Upper
91	100		
126	28.6	11.9	47.5

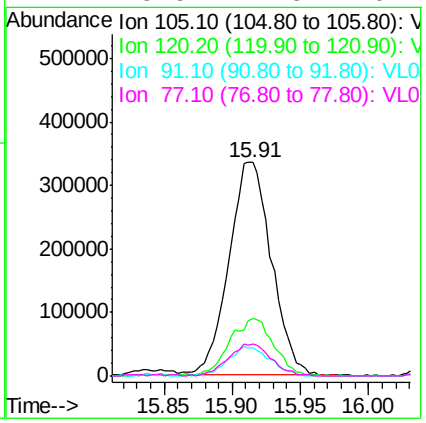


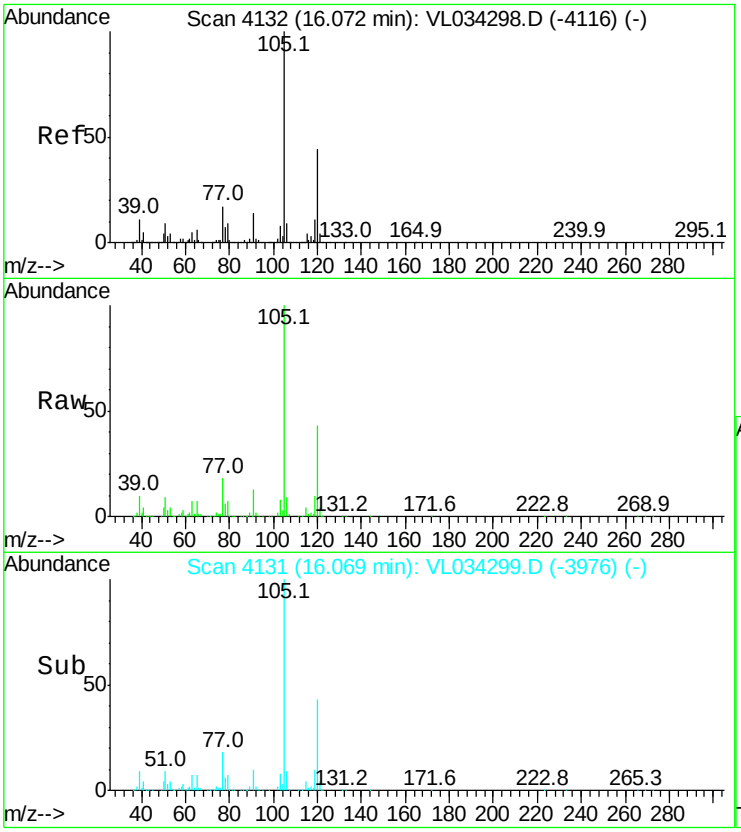


#72
4-Ethyltoluene
Concen: 1.961 ppbv
RT: 15.91 min Scan# 4083
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:105 Resp: 723917

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.8	35.8
91	13.9	11.2	16.8
77	15.5	12.8	19.2



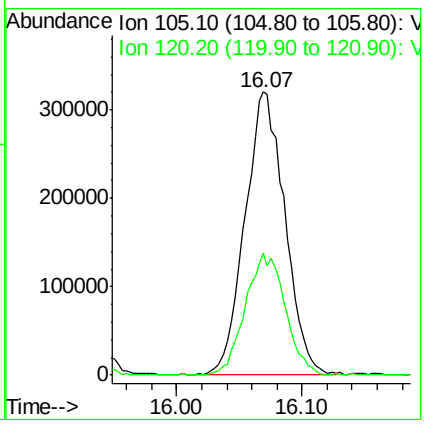


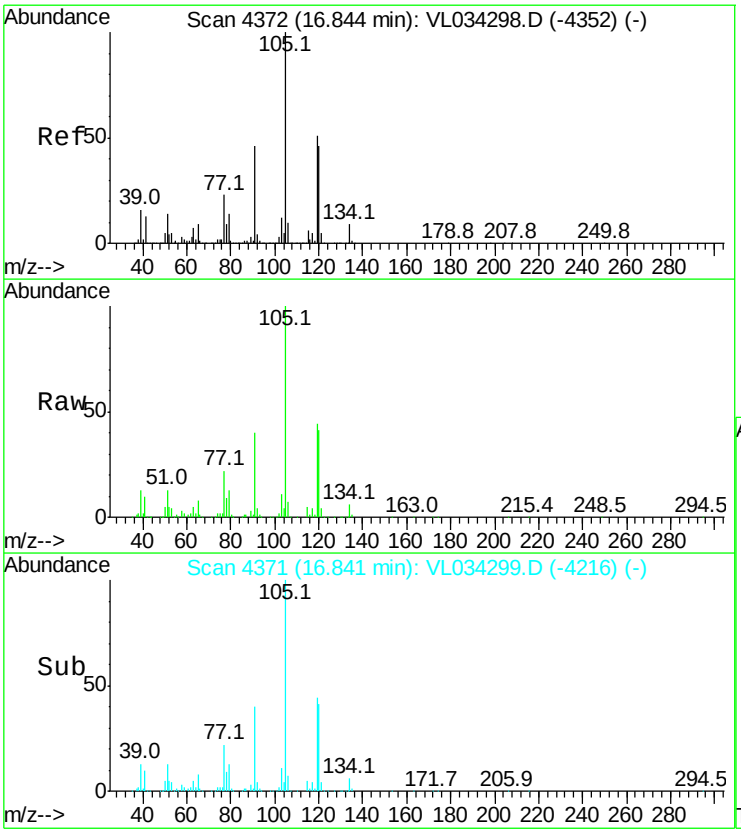
#73
1,3,5-Trimethylbenzene
Concen: 1.978 ppbv
RT: 16.07 min Scan# 4131
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 705578

Ion	Ratio	Lower	Upper
105	100		
120	43.4	35.2	52.8

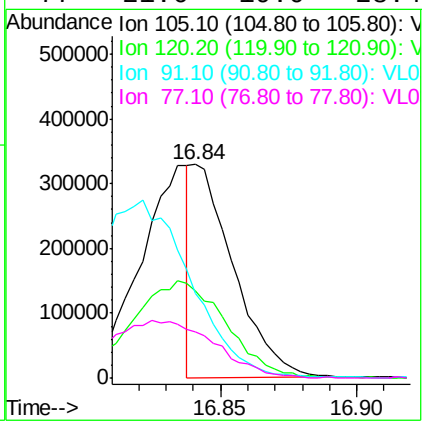


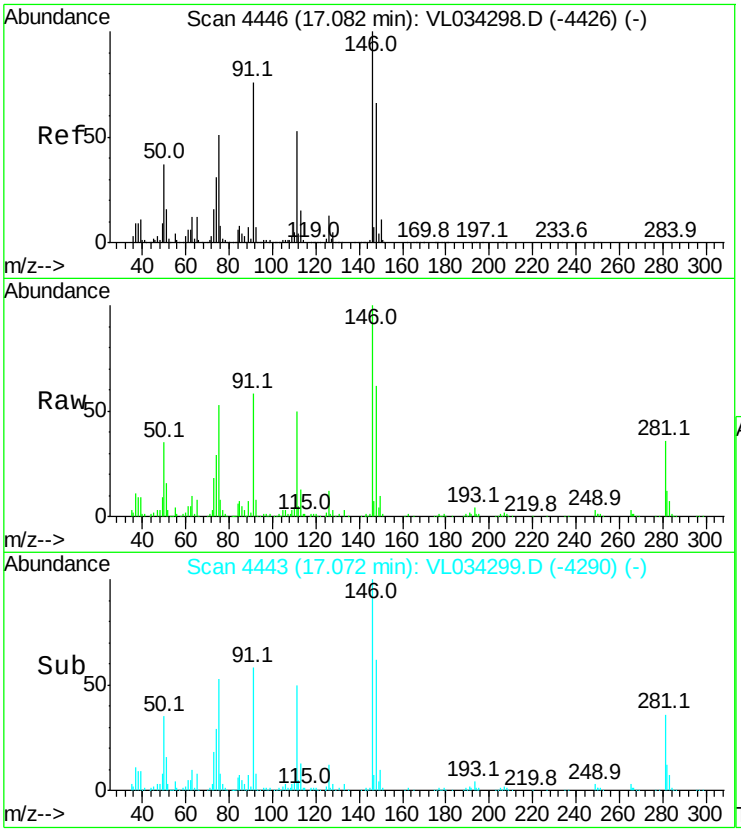


#74
1,2,4-Trimethylbenzene
Concen: 0.915 ppbv
RT: 16.84 min Scan# 4371
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:105 Resp: 346391

Ion	Ratio	Lower	Upper
105	100		
120	40.3	37.0	55.6
91	39.6	38.2	57.2
77	21.6	19.0	28.4



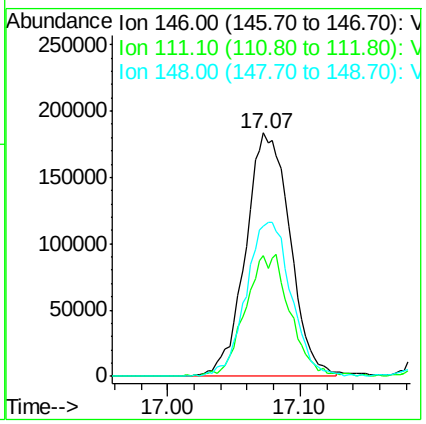


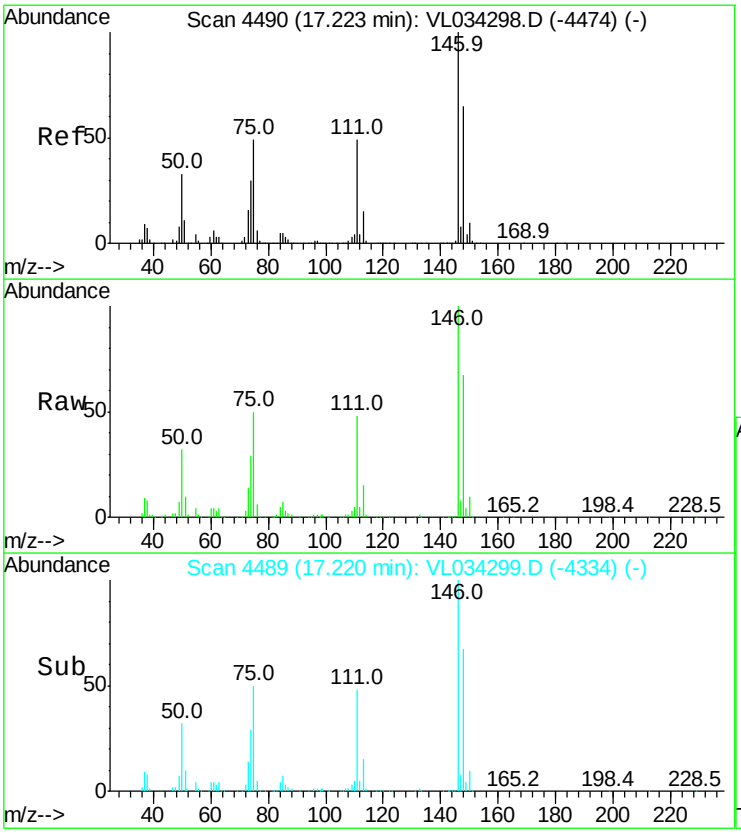
#75
1,3-Dichlorobenzene
Concen: 2.098 ppbv
RT: 17.07 min Scan# 4443
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 426223

Ion	Ratio	Lower	Upper
146	100		
111	50.8	24.5	73.5
148	64.5	32.3	96.8

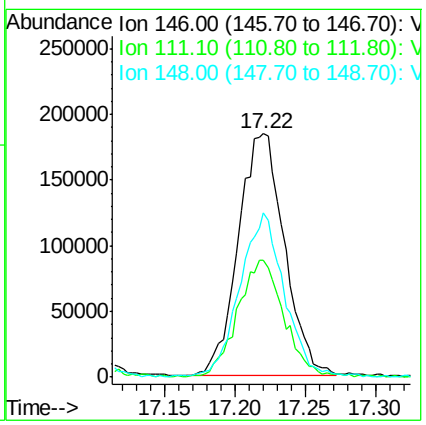


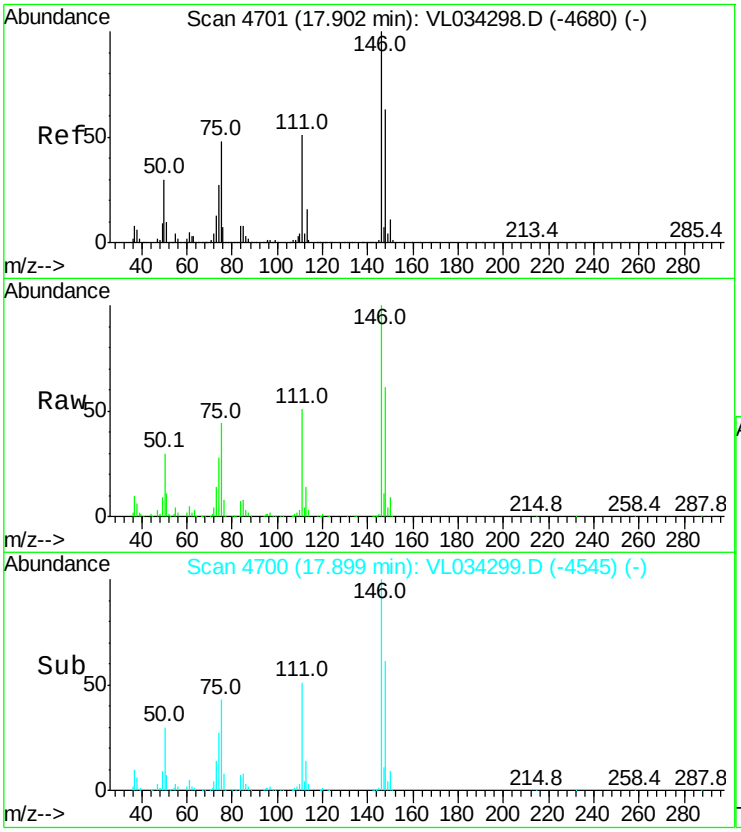


#76
1,4-Dichlorobenzene
Concen: 2.036 ppbv
RT: 17.22 min Scan# 4489
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:146 Resp: 423538

Ion	Ratio	Lower	Upper
146	100		
111	48.7	23.9	71.7
148	65.5	33.1	99.2



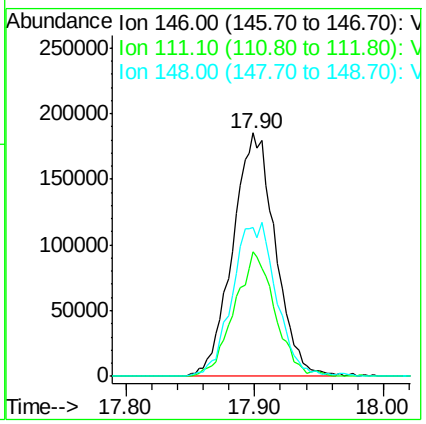


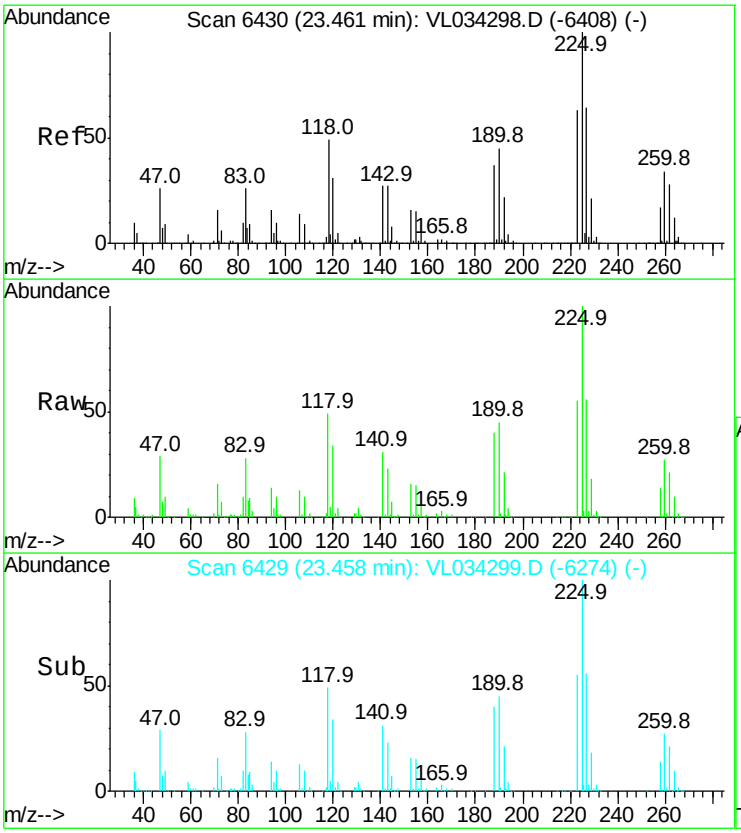
#77
1,2-Dichlorobenzene
Concen: 2.074 ppbv
RT: 17.90 min Scan# 4700
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 426452

Ion	Ratio	Lower	Upper
146	100		
111	49.0	25.1	75.3
148	65.5	32.3	96.8

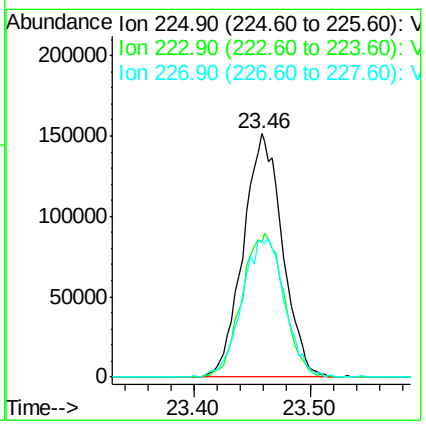


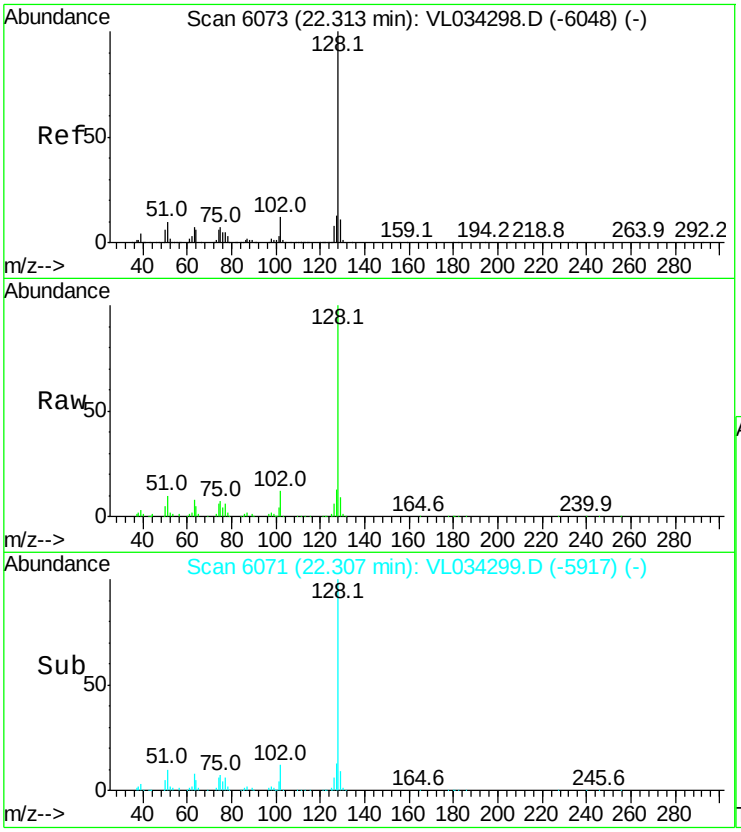


#78
Hexachloro-1,3-Butadiene
Concen: 2.624 ppbv
RT: 23.46 min Scan# 6429
Delta R.T. -0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:225 Resp: 357335

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.8	76.2
227	61.9	51.5	77.3



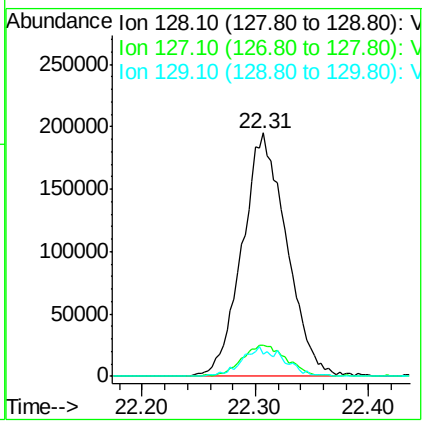


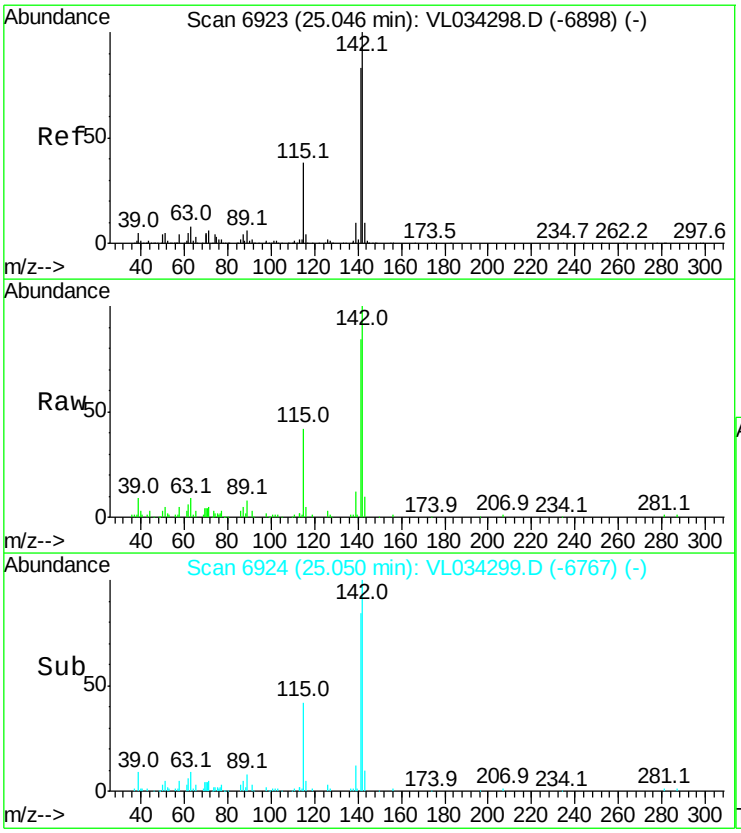
#79
Naphthalene
Concen: 1.590 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.01 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 529898

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	9.2	8.9	13.3

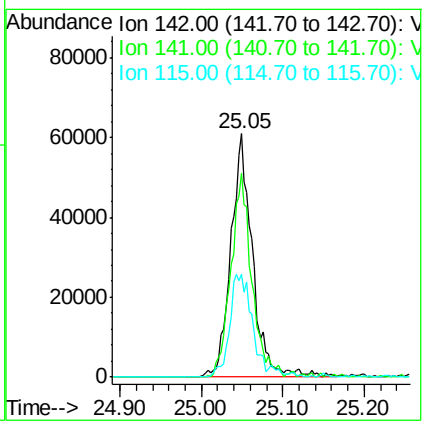


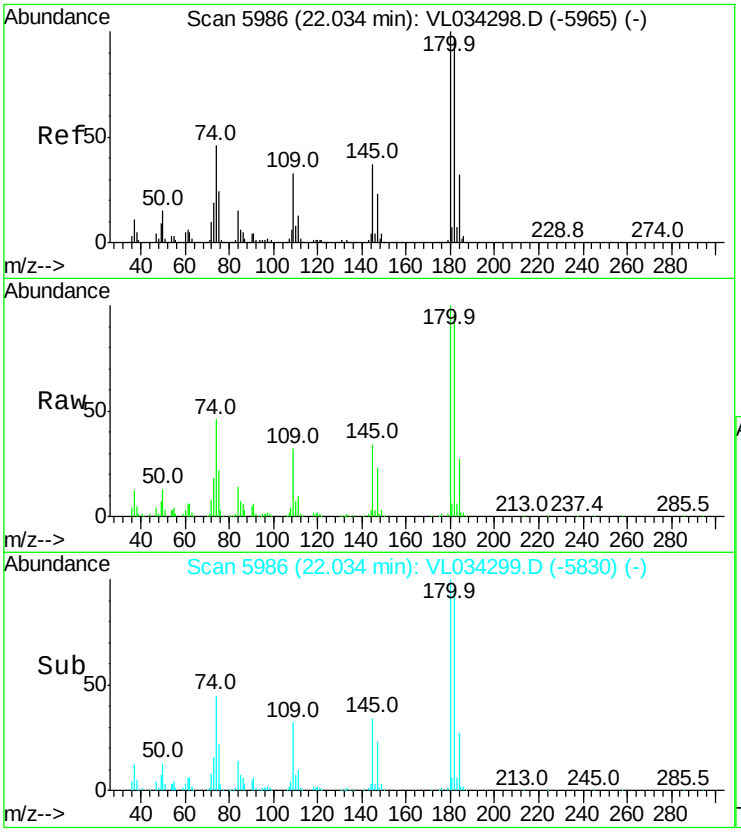


#80
Naphthalene,2-methyl-
Concen: 0.734 ppbv
RT: 25.05 min Scan# 6924
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Tgt Ion:142 Resp: 113756

Ion	Ratio	Lower	Upper
142	100		
141	81.0	65.7	98.5
115	45.6	30.9	46.3





#81
1,2,4-Trichlorobenzene
Concen: 1.851 ppbv
RT: 22.03 min Scan# 5986
Delta R.T. 0.00 min
Lab File: VL034299.D
Acq: 16 Oct 2019 13:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 341814

Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.8	116.8
184	30.3	25.4	38.2