Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033744.D
Acq On : 22 May 2019 14:49
Operator : SY/AP
Sample : K2926-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BP-VPB202-AIR-UW-20190515DUP

Quant Time: May 23 04:20:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	847139	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1947007	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.23	117	2100983	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.56	95	1630298	9.57	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	30233	0.169	ppbv		94
3) Chlorodifluoromethane	2.99	51	112170	1.156	ppbv	#	69
4) Chloromethane	3.17	50	30710	0.553	ppbv		91
6) Bromomethane	3.51	94	578	0.017	ppbv	#	66
7) Chloroethane	3.59	64	230	0.011	ppbv	#	38
9) Propene	3.04	41	25572	0.620	ppbv		95
11) Trichlorofluoromethane	4.00	101	43976	0.258	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.54	101	67151	0.564	ppbv		99
13) Ethanol	3.65	45	557390	41.783	ppbv		99
15) Acetone	3.89	43	581989	4.952	ppbv	#	88
16) 1,3-Butadiene	3.34	39	3708	0.079	ppbv	#	6
17) tert-Butyl alcohol	4.37	59	5462	0.057	ppbv	#	72
19) Isopropyl Alcohol	4.03	45	97769	1.290	ppbv	#	90
20) Methylene Chloride	4.40	84	157046	3.470	ppbv		93
23) Vinyl Acetate	5.14	43	10700	0.069	ppbv	#	1
25) Ethyl Acetate	5.77	43	197685	0.957	ppbv	#	83
26) Hexane	5.77	57	237697	2.678	ppbv	#	44
27) Carbon Disulfide	4.61	76	1689	0.014	ppbv	#	1
29) Chloroform	5.84	83	4314	0.026	ppbv		93
30) Cyclohexane	7.24	84	1435	0.019	ppbv	#	1
34) 2-Butanone	5.33	43	22429	0.186	ppbv	#	63
35) Carbon Tetrachloride	7.13	117	5196	0.033	ppbv		97
36) Benzene	6.99	78	7950	0.045	ppbv	#	77
37) 1,2-Dichloroethane	6.39	62	1652	0.014	ppbv	#	85
38) Trichloroethene	7.95	130	3966	0.060	ppbv	#	2
39) 1,2-Dichloropropane	7.28	63	519116	7.862	ppbv	#	23
41) Tetrahydrofuran	5.77	42	99061	1.465	ppbv	#	49
44) 2,2,4-Trimethylpentane	7.97	57	5016	0.017	ppbv	#	1
52) Tetrachloroethene	11.36	164	1118	0.018	ppbv	#	75
53) Toluene	9.93	91	272351	1.426	ppbv		97
58) Ethyl Benzene	12.85	91	4334	0.016	ppbv		92
60) o-Xylene	13.83	91	2521	0.010	ppbv	#	33
61) Styrene	13.67	104	2403	0.015	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.91	105	8915	0.030	ppbv	#	71
80) Naphthalene,2-methyl-	25.11	142	2202	0.021	ppbv	#	82

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

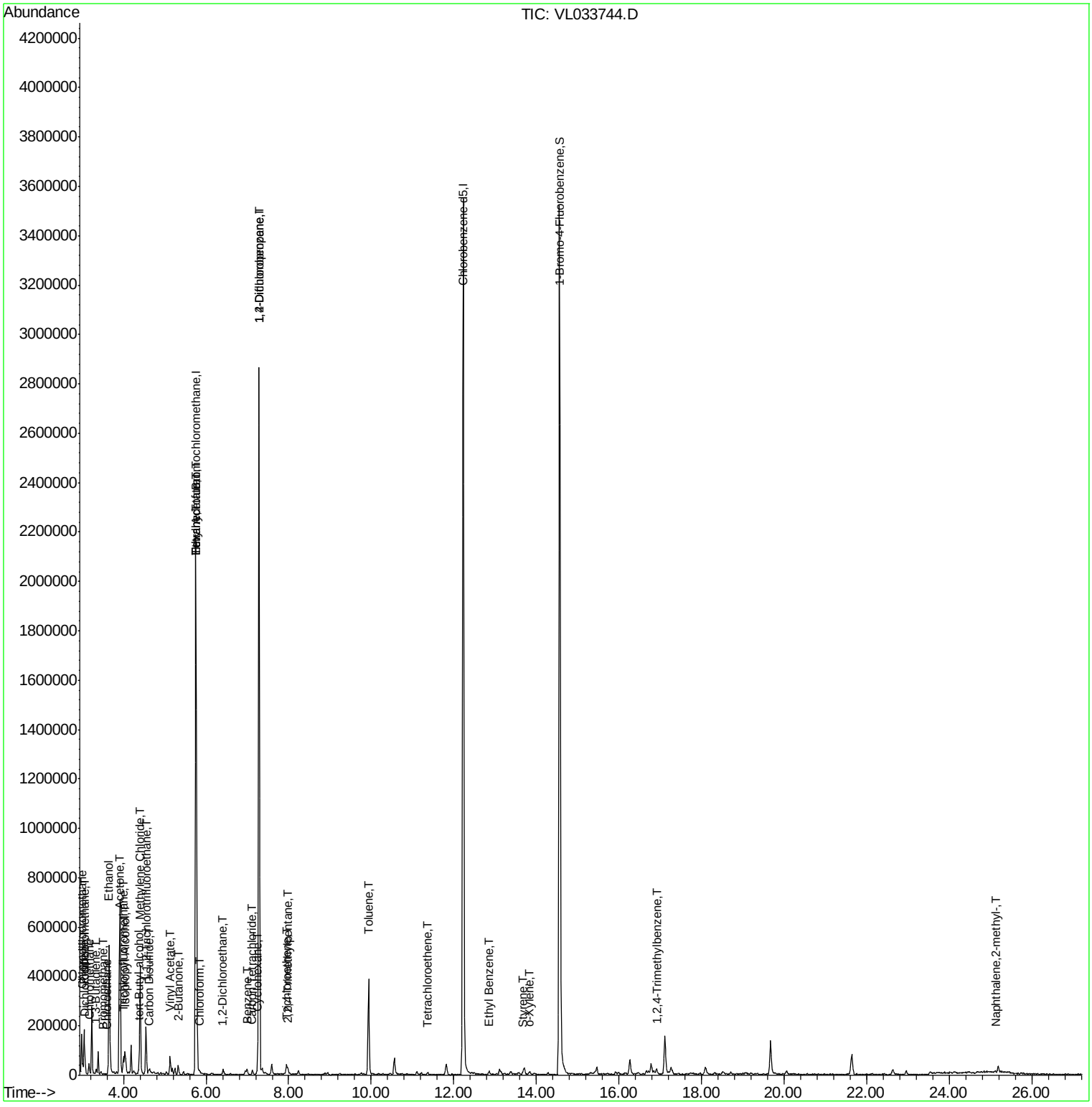
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

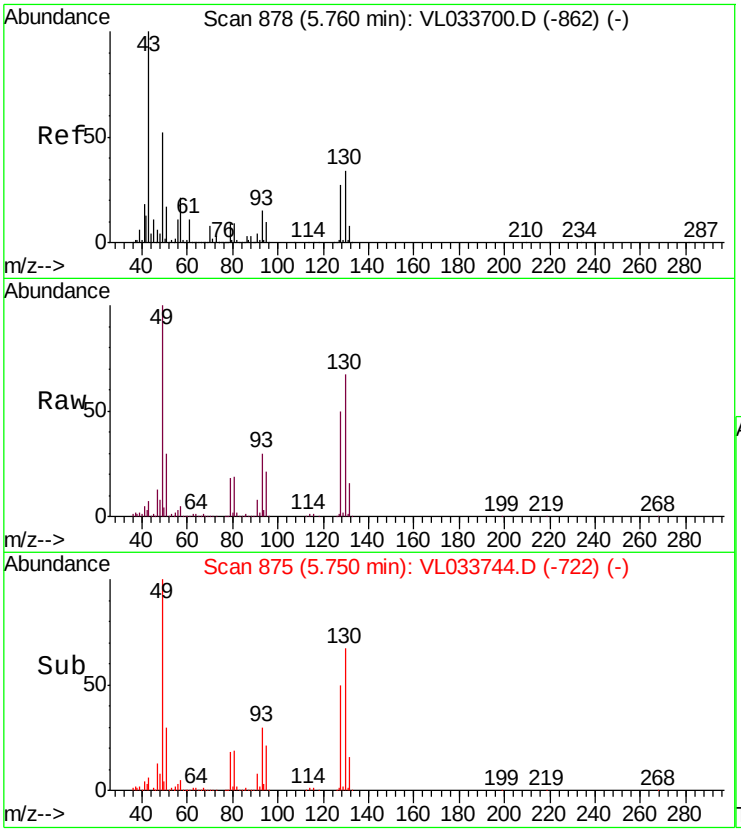
Quantitation Report (Not Reviewed)

Data File : VL033744.D
Acq On : 22 May 2019 14:49
Operator : SY/AP
Sample : K2926-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Quant Time: May 23 04:20:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



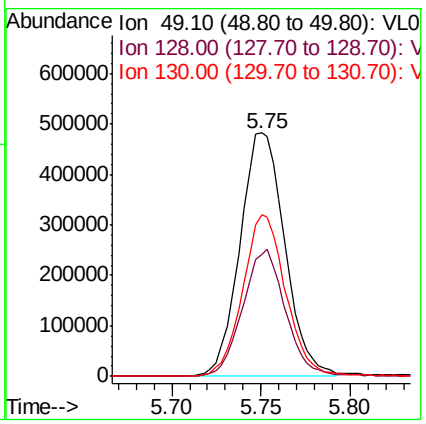


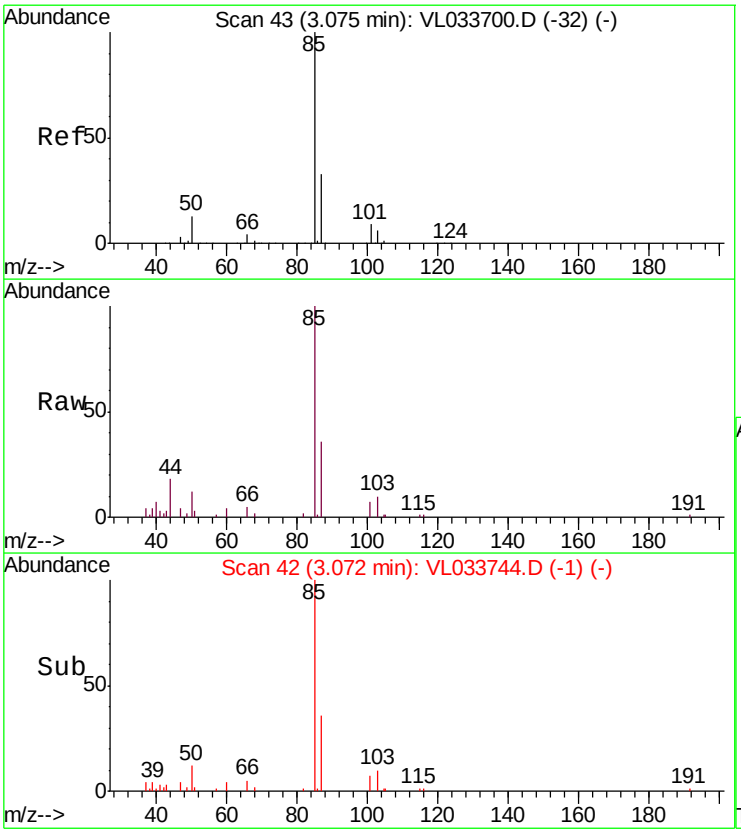
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 49 Resp: 847139

Ion	Ratio	Lower	Upper
49	100		
128	49.8	25.2	75.6
130	64.2	32.5	97.5

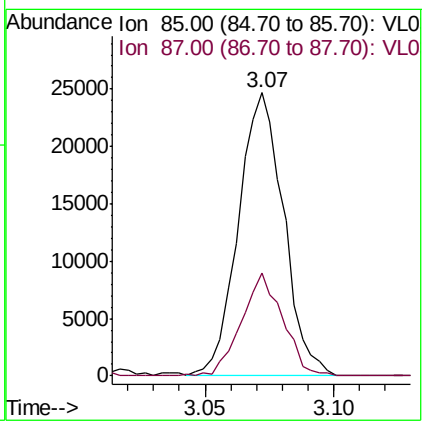


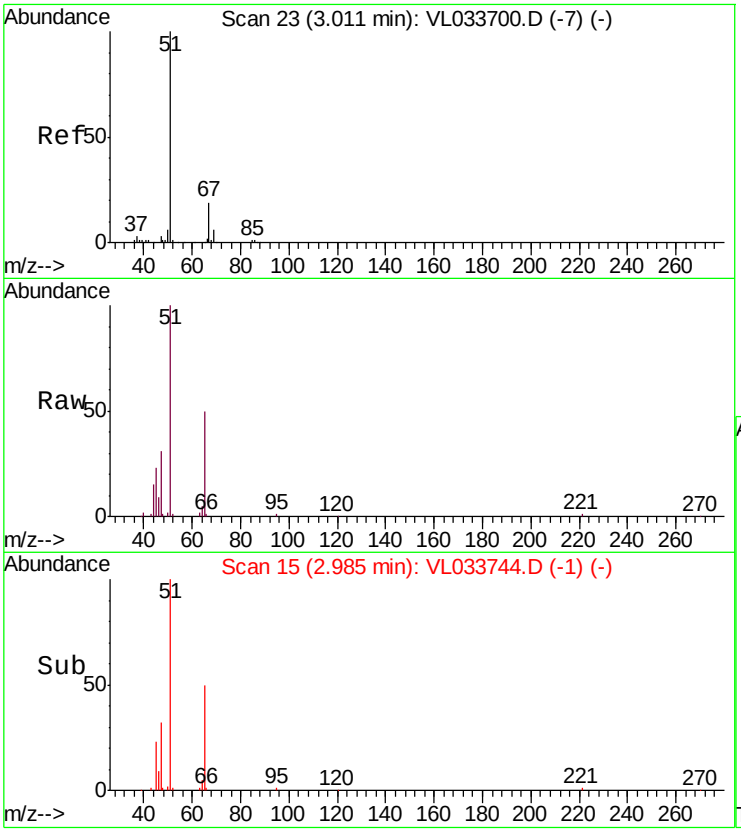


#2
Dichlorodifluoromethane
Concen: 0.169 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 85 Resp: 30233

Ion	Ratio	Lower	Upper
85	100		
87	36.2	26.3	39.5



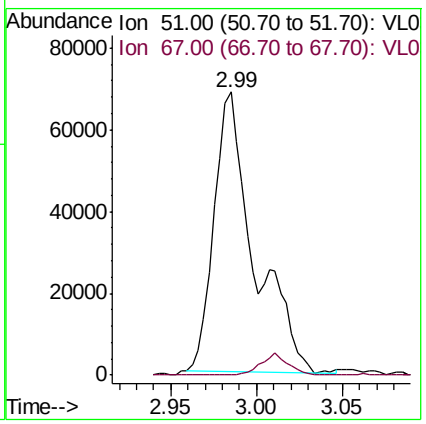


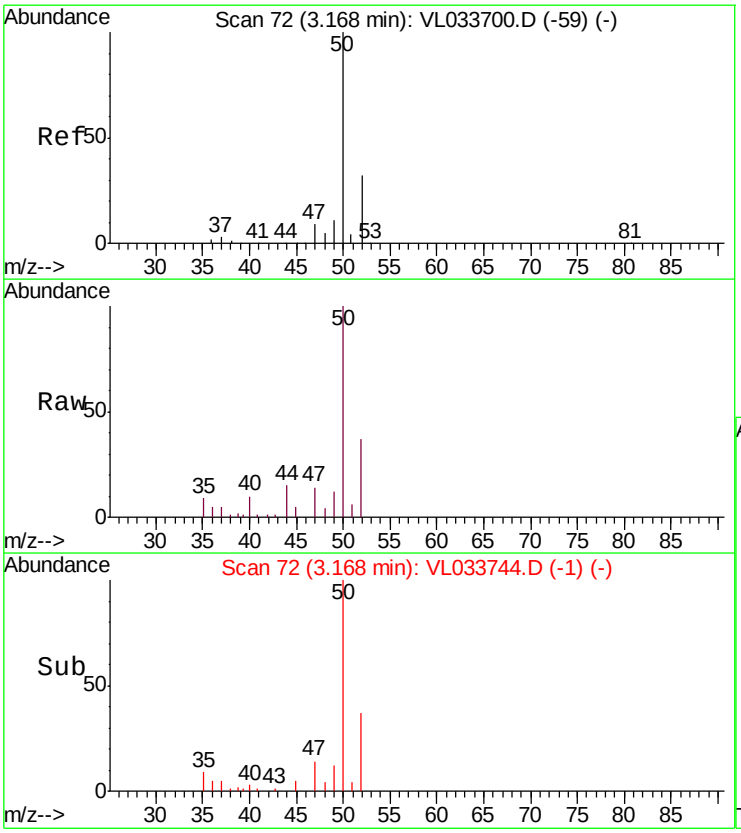
#3
Chlorodifluoromethane
Concen: 1.156 ppbv
RT: 2.99 min Scan# 15
Delta R.T. -0.03 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 51 Resp: 112170

Ion	Ratio	Lower	Upper
51	100		
67	5.2	15.6	23.4#

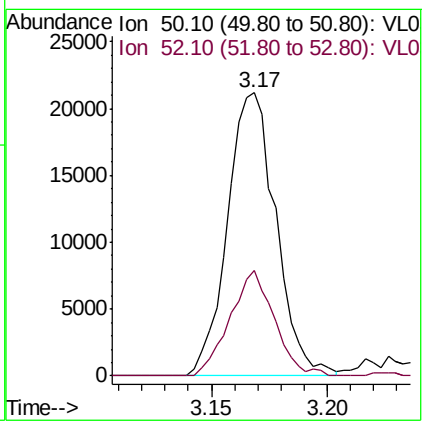


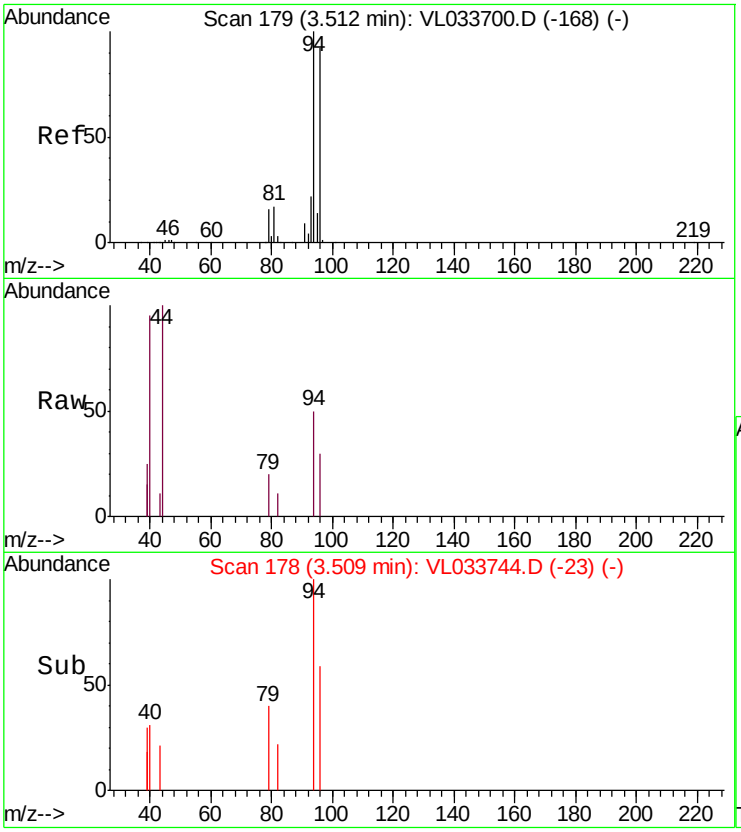


#4
Chloromethane
Concen: 0.553 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 50 Resp: 30710

Ion	Ratio	Lower	Upper
50	100		
52	37.2	25.7	38.5



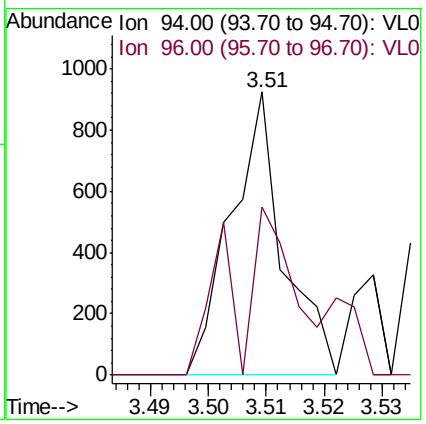


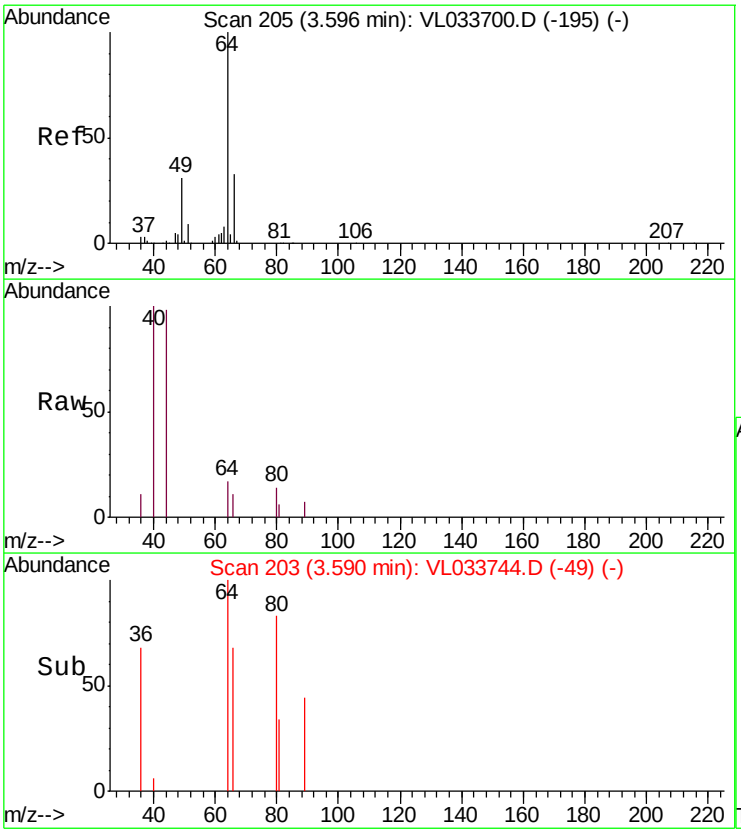
#6
Bromomethane
Concen: 0.017 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 94 Resp: 578

Ion	Ratio	Lower	Upper
94	100		
96	59.2	73.6	110.4#

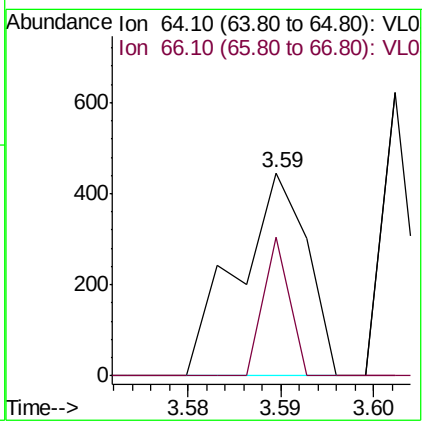


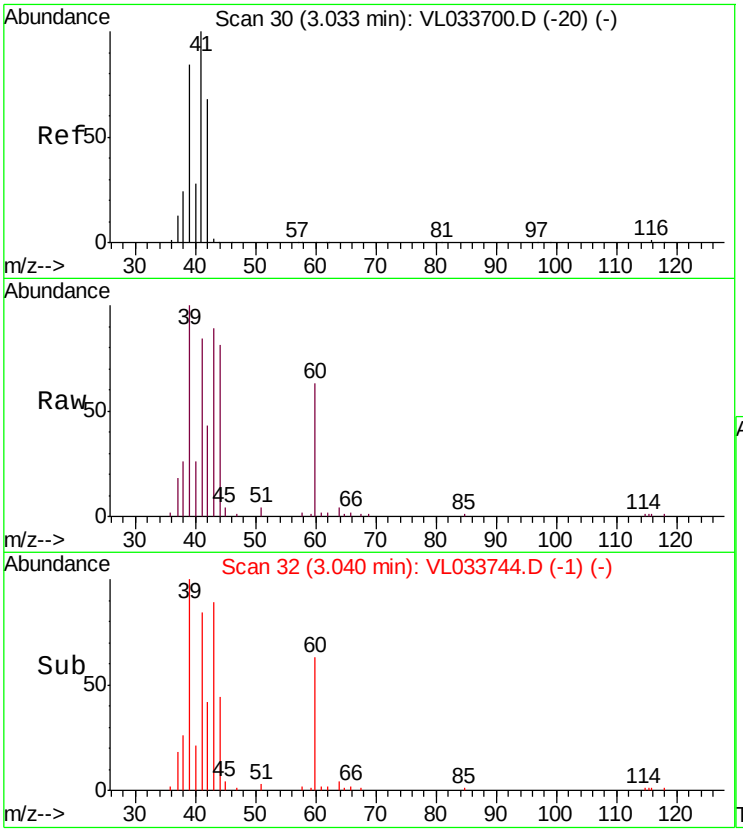


#7
Chloroethane
Concen: 0.011 ppbv
RT: 3.59 min Scan# 203
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 64 Resp: 230

Ion	Ratio	Lower	Upper
64	100		
66	68.4	26.6	40.0#



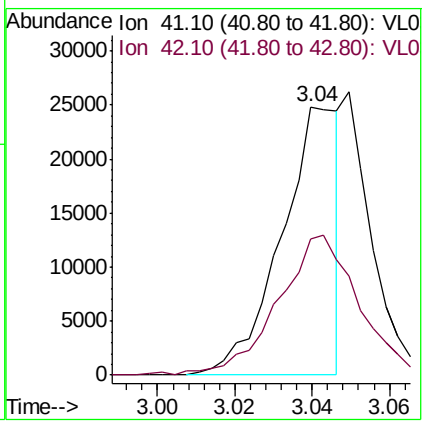


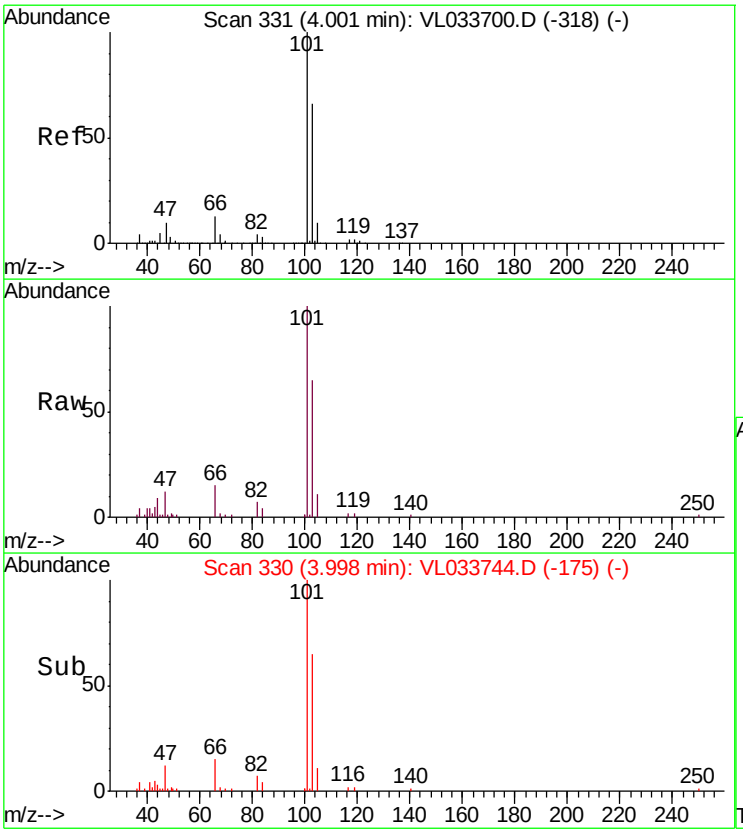
#9
Propene
Concen: 0.620 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 41 Resp: 25572

Ion	Ratio	Lower	Upper
41	100		
42	74.2	56.1	84.1

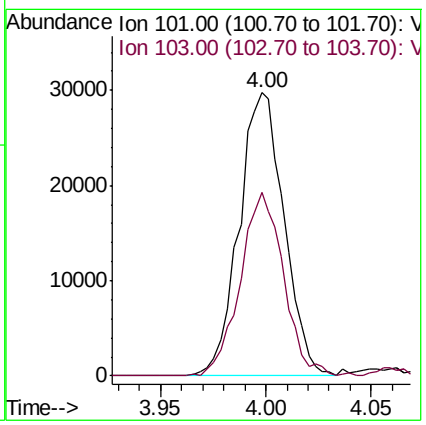


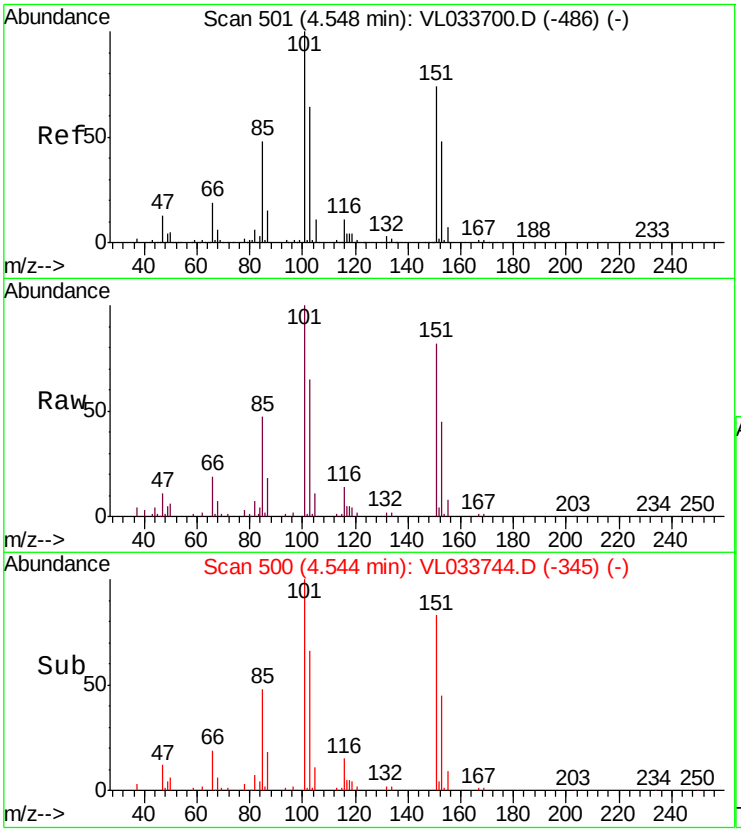


#11
Trichlorofluoromethane
Concen: 0.258 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion:101 Resp: 43976

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.6	78.8



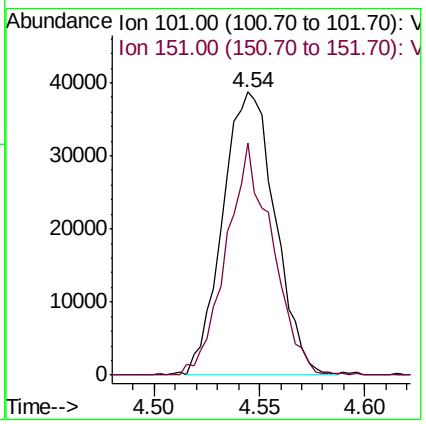


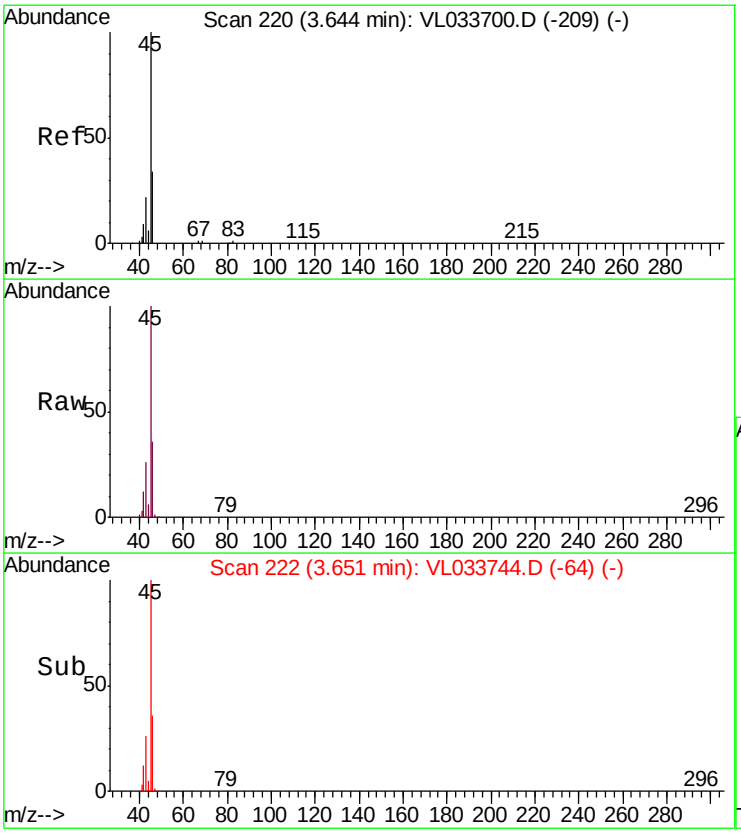
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.564 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion:101 Resp: 67151

Ion	Ratio	Lower	Upper
101	100		
151	72.1	58.2	87.4

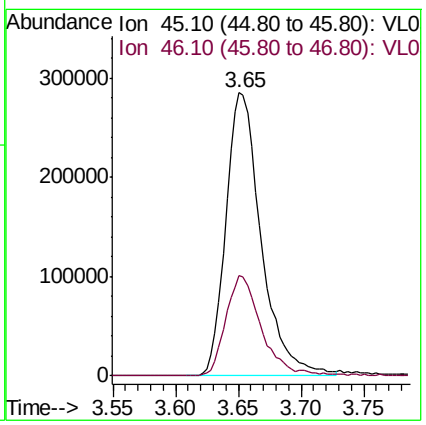


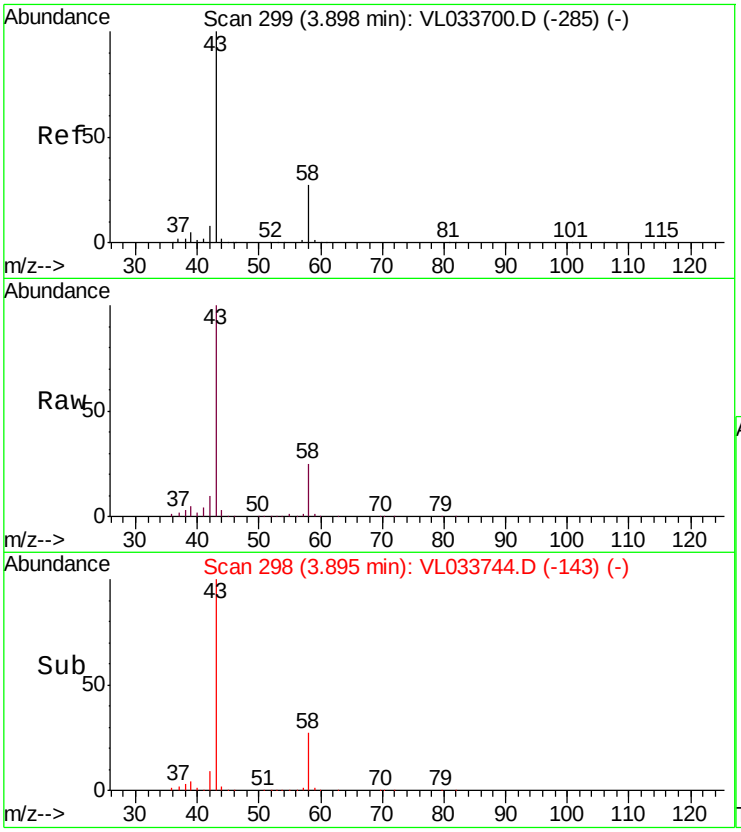


#13
Ethanol
Concen: 41.783 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 45 Resp: 557390

Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.8	59.0



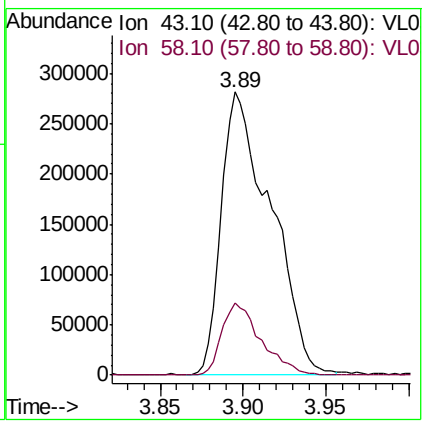


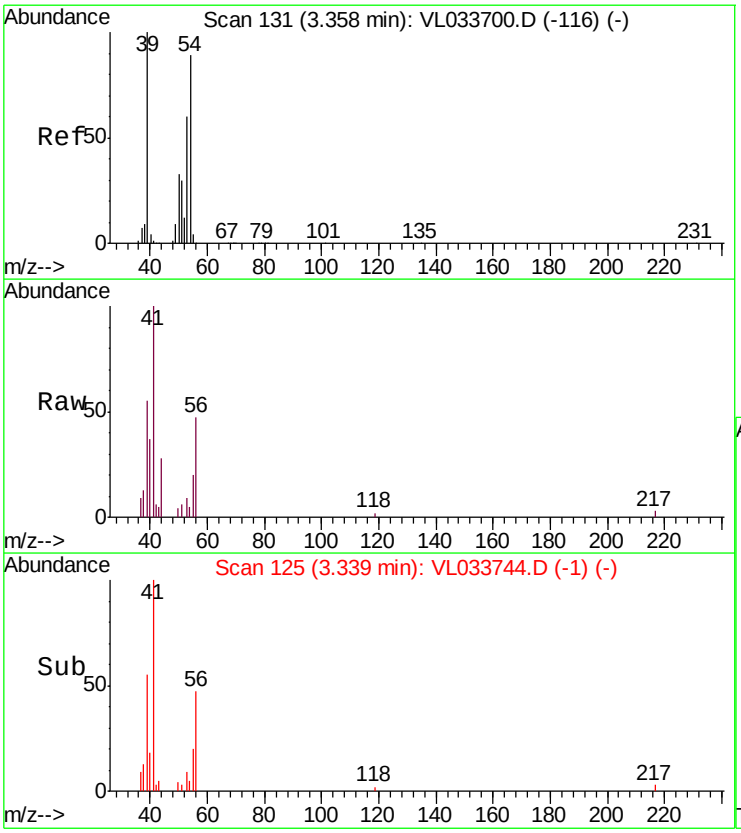
#15
Acetone
Concen: 4.952 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 43 Resp: 581989

Ion	Ratio	Lower	Upper
43	100		
58	20.4	21.3	31.9#

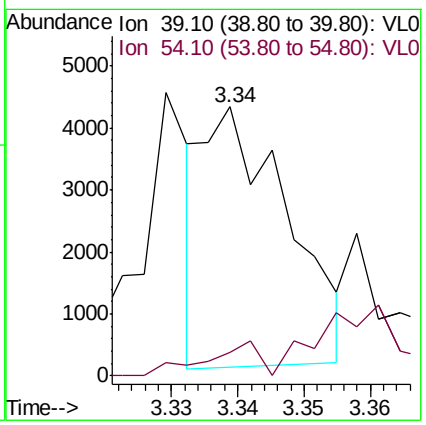


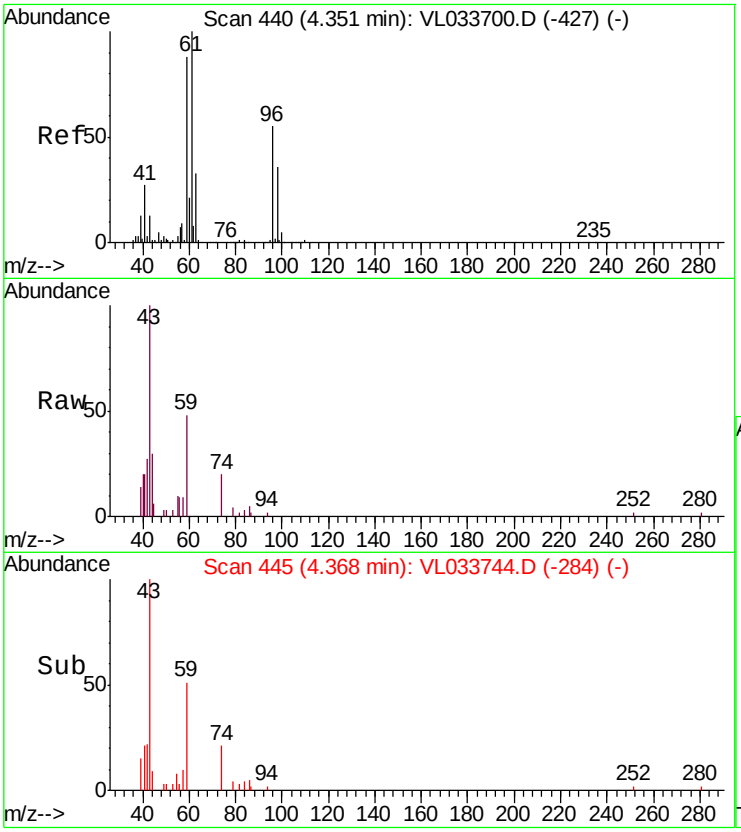


#16
1,3-Butadiene
Concen: 0.079 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 39 Resp: 3708

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.0	103.6#



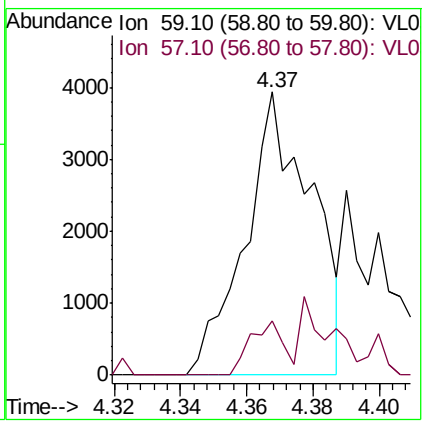


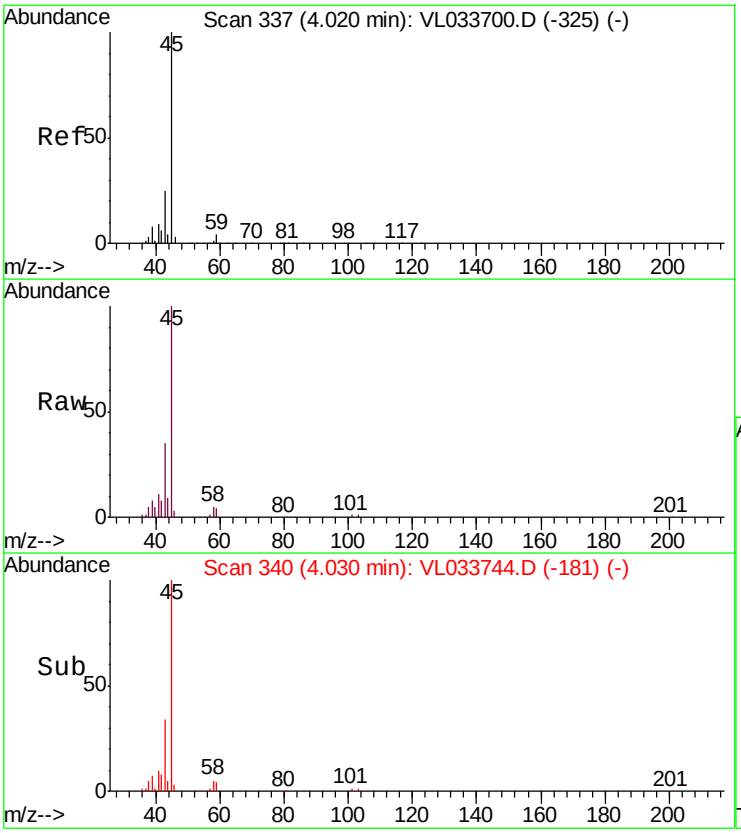
#17
tert-Butyl alcohol
Concen: 0.057 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 59 Resp: 5462

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

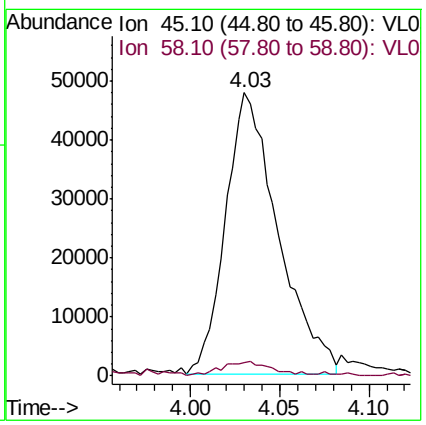


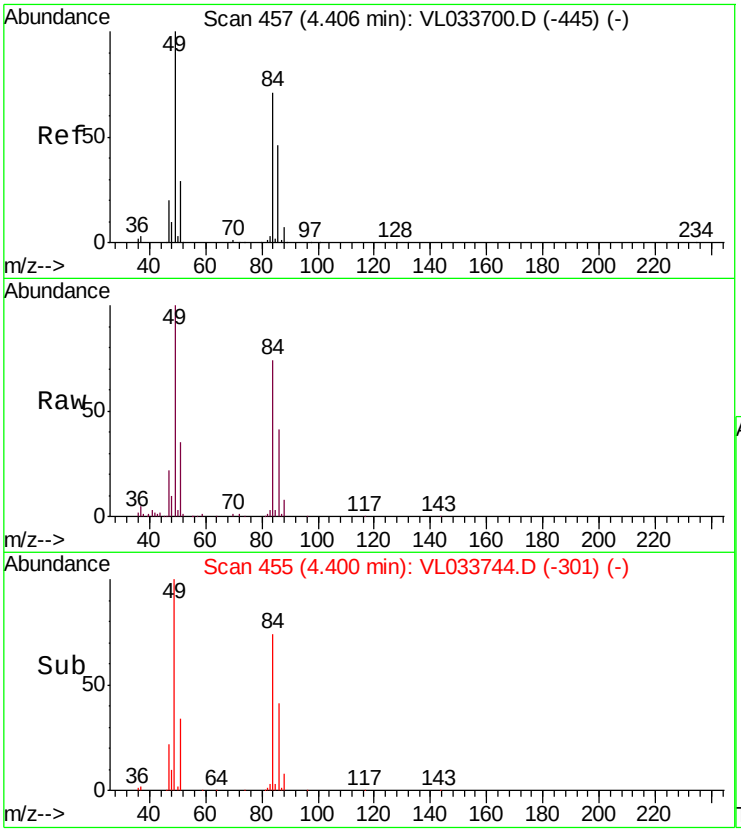


#19
Isopropyl Alcohol
Concen: 1.290 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 45 Resp: 97769

Ion	Ratio	Lower	Upper
45	100		
58	5.6	1.6	2.4#



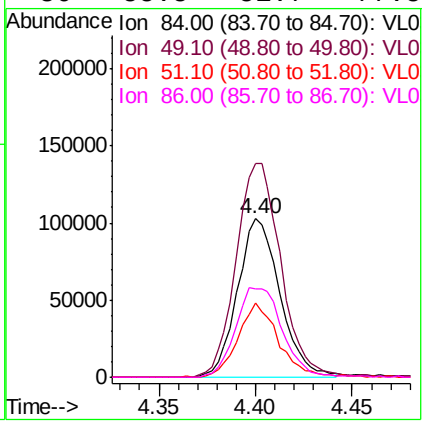


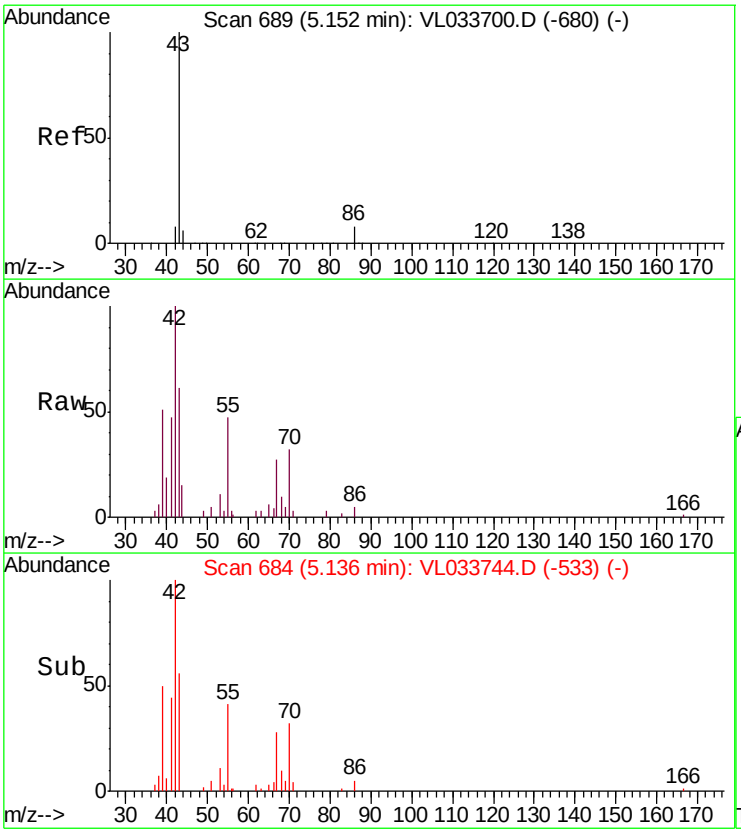
#20
Methylene Chloride
Concen: 3.470 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 84 Resp: 157046

Ion	Ratio	Lower	Upper
84	100		
49	134.3	112.8	169.2
51	46.1	33.4	50.0
86	55.5	51.7	77.5

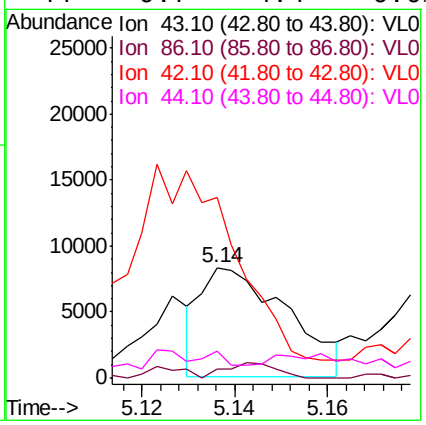


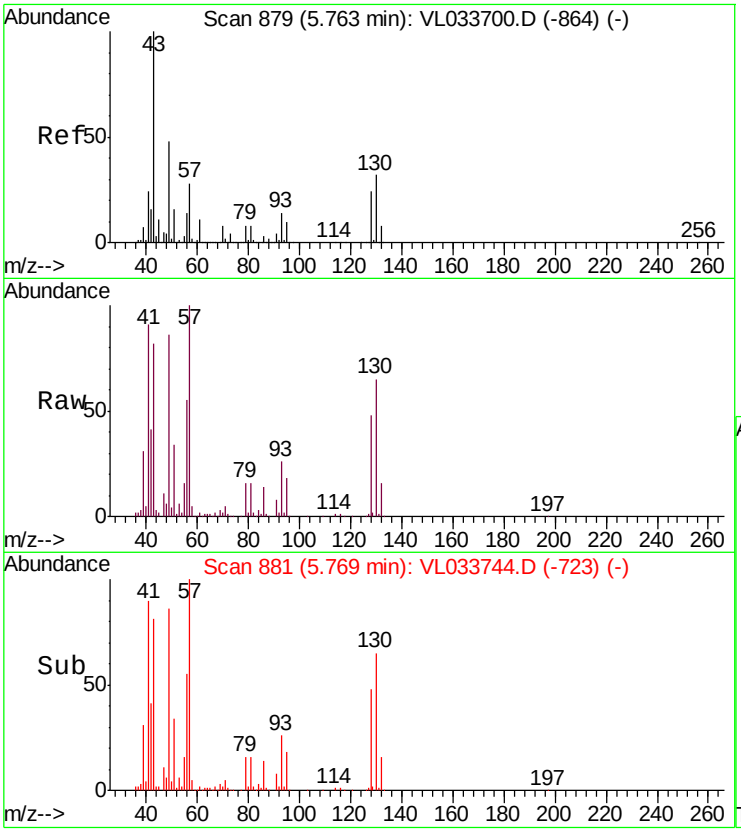


#23
Vinyl Acetate
Concen: 0.069 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 43 Resp: 10700

Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.0	9.0
42	159.8	7.5	11.3#
44	9.7	4.4	6.6#



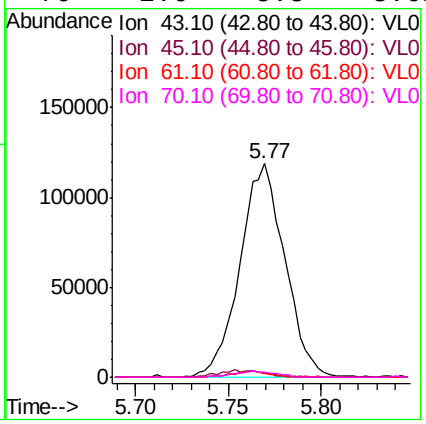


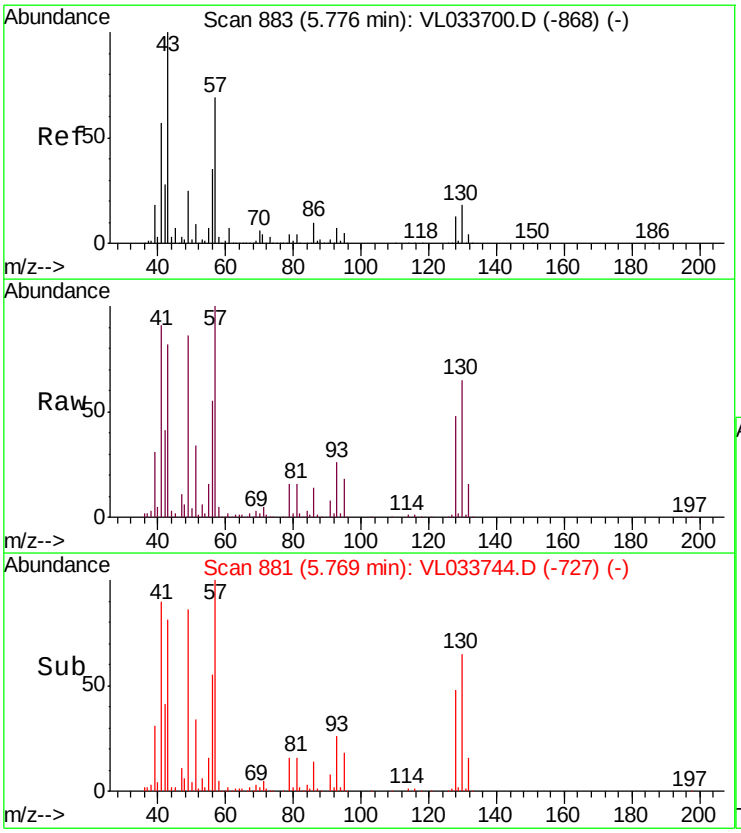
#25
Ethyl Acetate
Concen: 0.957 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 43 Resp: 197685

Ion	Ratio	Lower	Upper
43	100		
45	3.5	7.9	11.9#
61	2.7	7.7	11.5#
70	2.6	5.8	8.6#

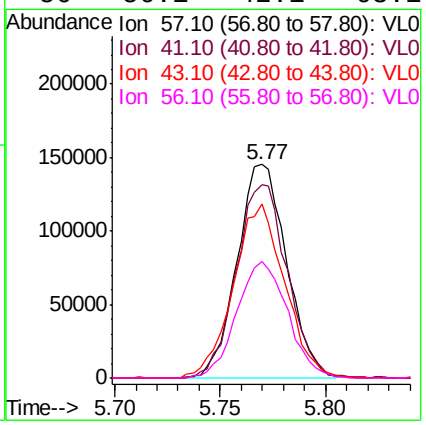


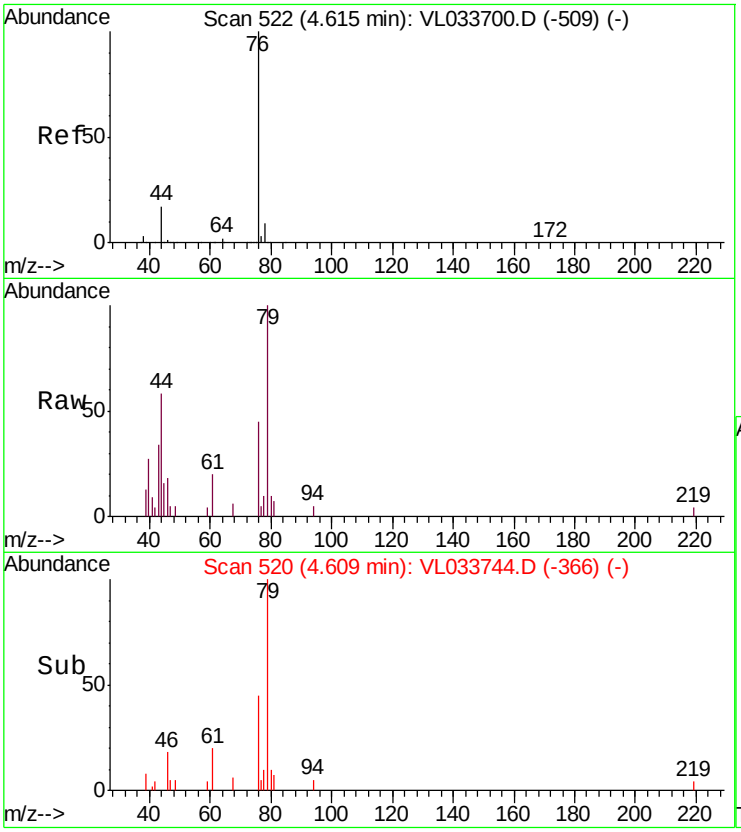


#26
Hexane
Concen: 2.678 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 57 Resp: 237697

Ion	Ratio	Lower	Upper
57	100		
41	93.8	69.8	104.6
43	84.4	181.8	272.6#
56	56.1	42.1	63.1



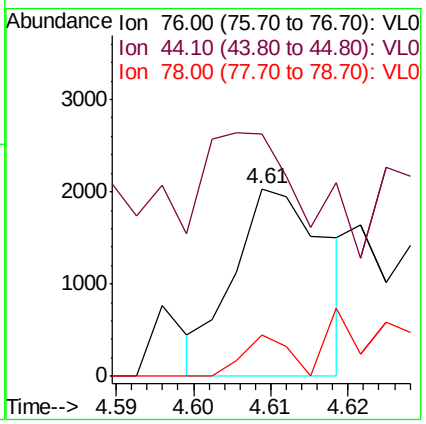


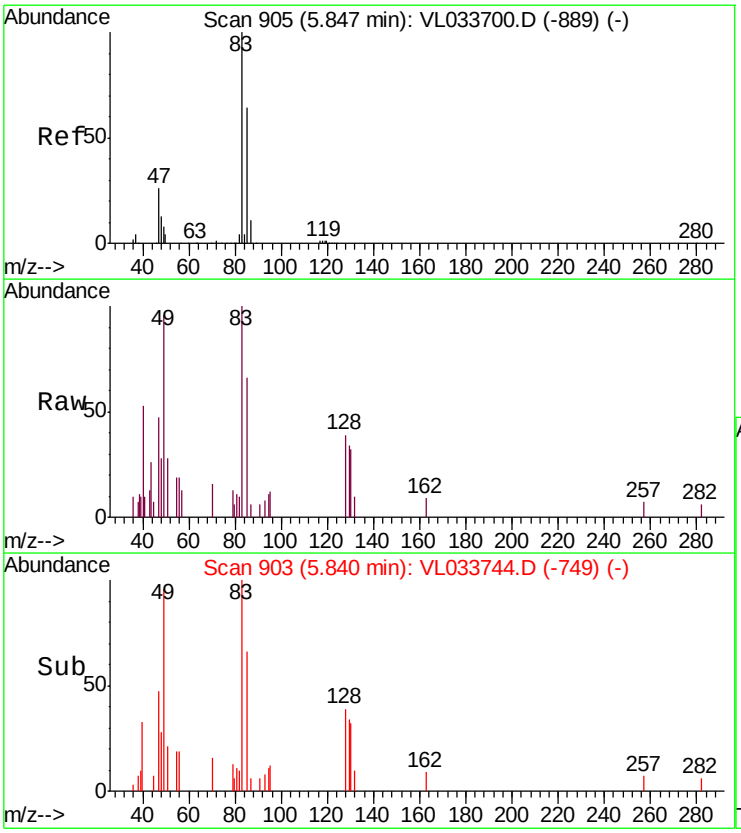
#27
Carbon Disulfide
Concen: 0.014 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 76 Resp: 1689

Ion	Ratio	Lower	Upper
76	100		
44	172.1	13.8	20.8#
78	0.0	7.4	11.0#

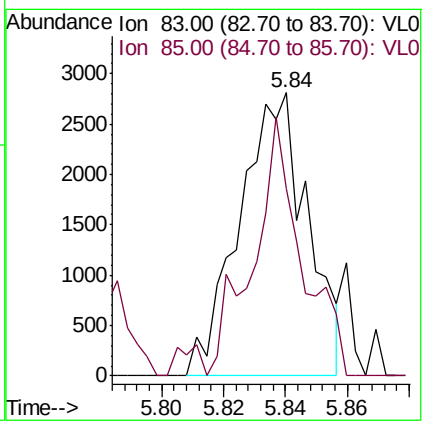


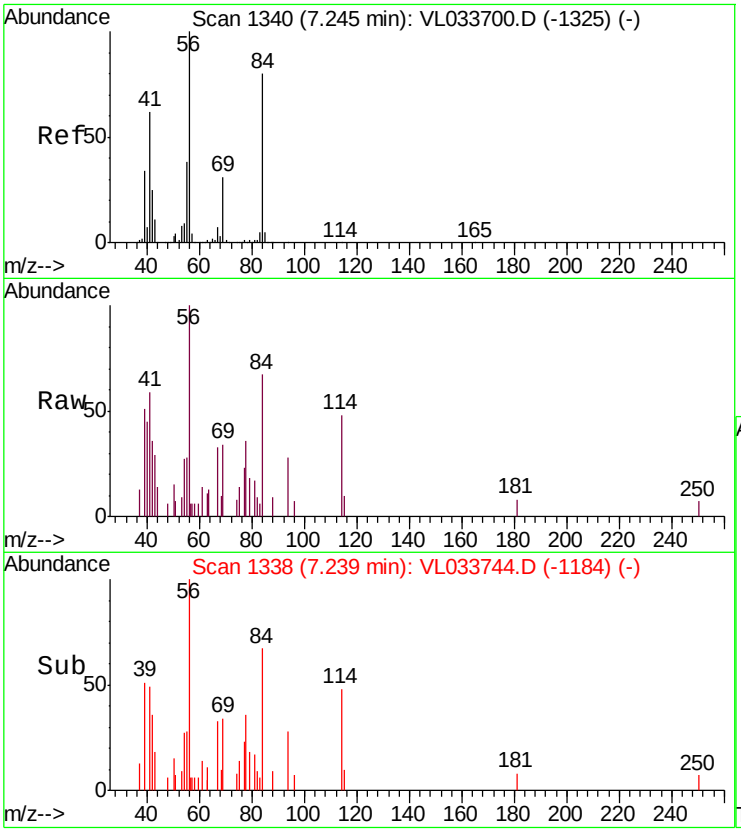


#29
Chloroform
Concen: 0.026 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 83 Resp: 4314

Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.5	77.3



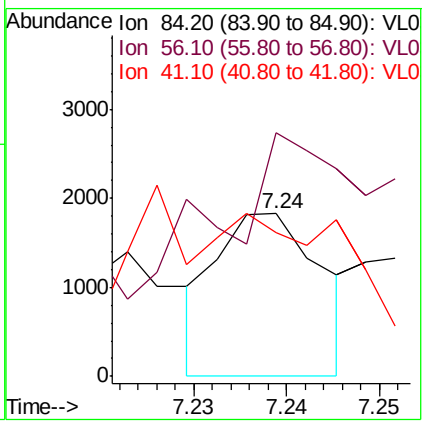


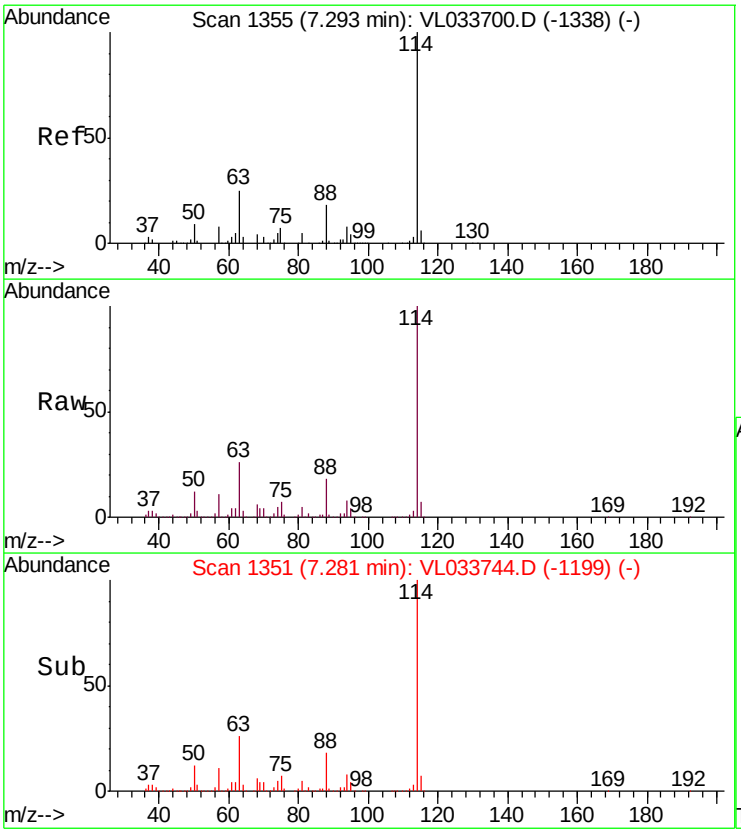
#30
Cyclohexane
Concen: 0.019 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 84 Resp: 1435

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	66.0	99.0#

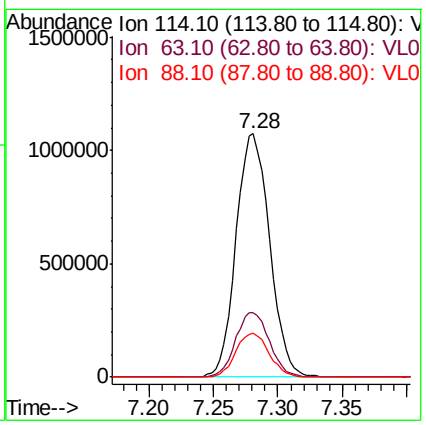


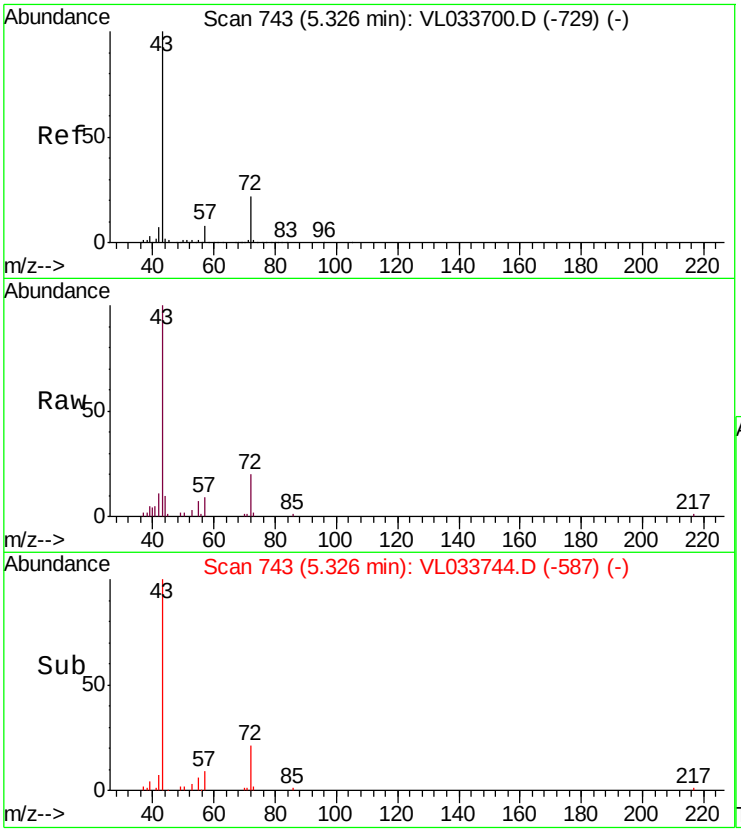


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion:114 Resp: 1947007

Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.9	31.3
88	17.9	14.3	21.5



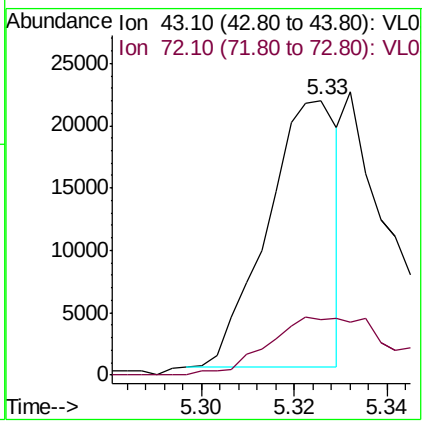


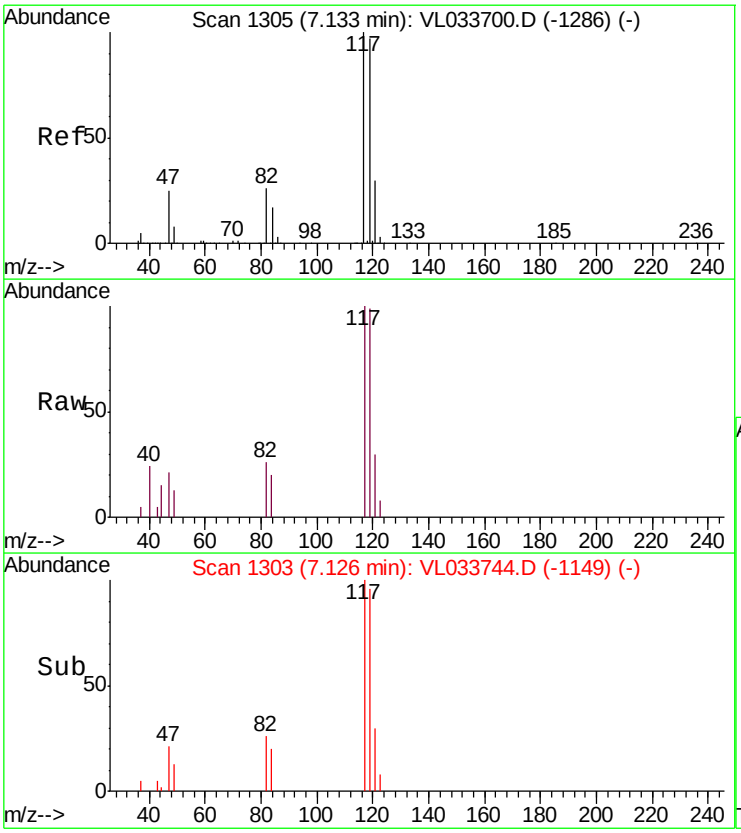
#34
2-Butanone
Concen: 0.186 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 43 Resp: 22429

Ion	Ratio	Lower	Upper
43	100		
72	39.9	17.8	26.6#

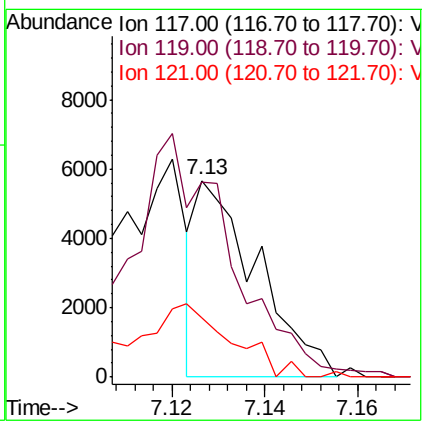


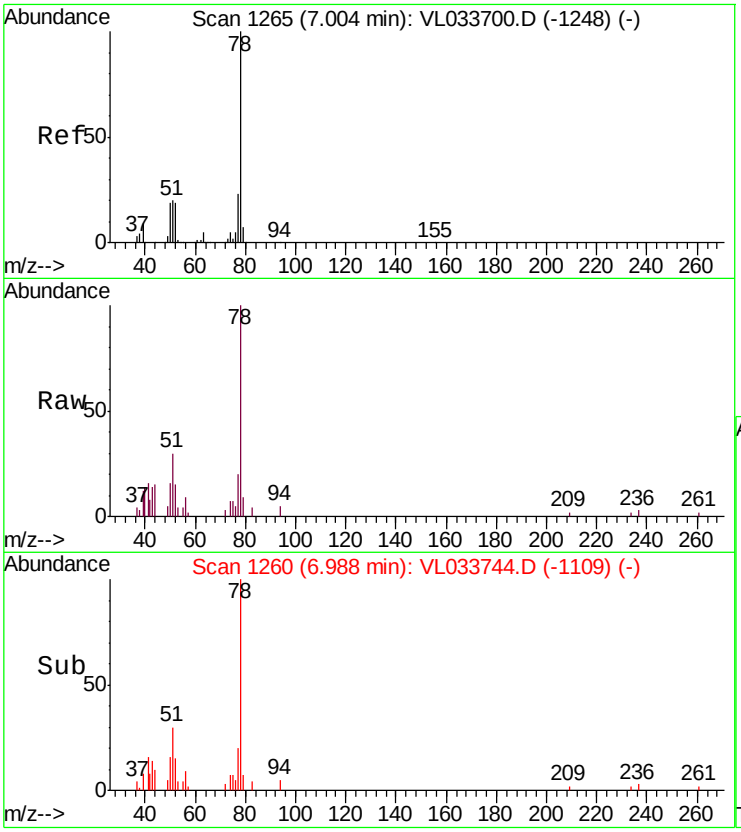


#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion:117 Resp: 5196

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.2	115.8
121	27.0	24.1	36.1



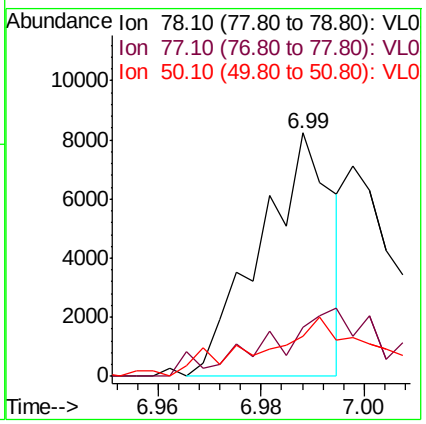


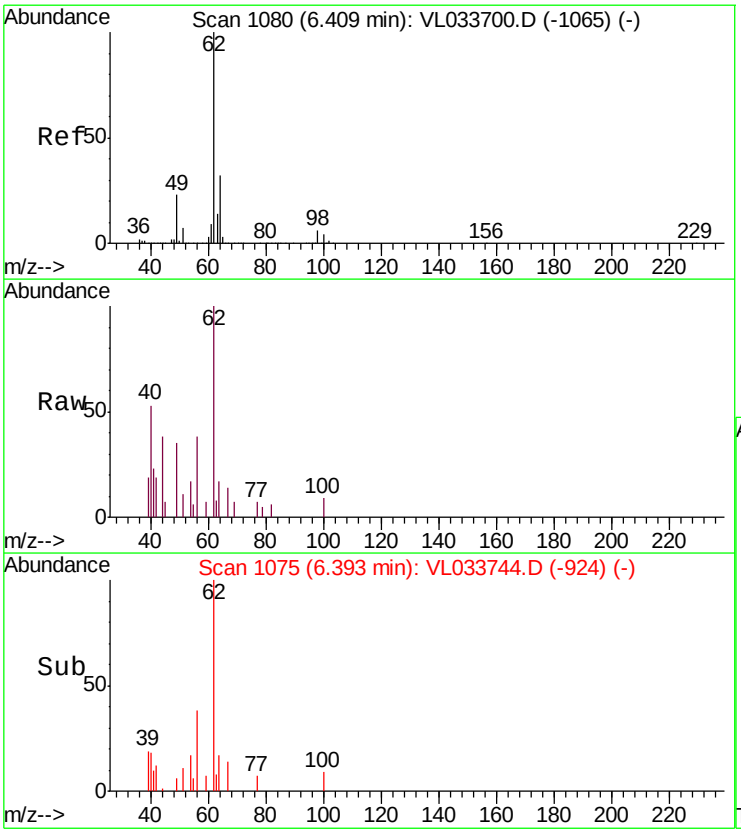
#36
Benzene
Concen: 0.045 ppbv
RT: 6.99 min Scan# 1260
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 78 Resp: 7950

Ion	Ratio	Lower	Upper
78	100		
77	9.5	18.4	27.6#
50	11.3	15.5	23.3#

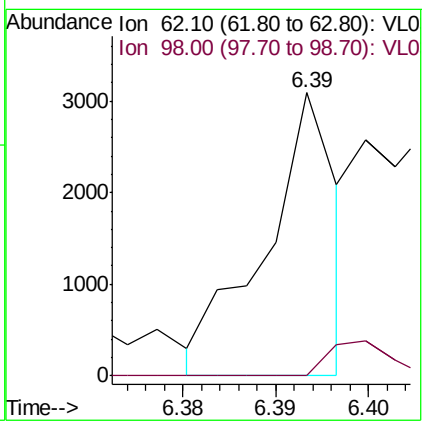


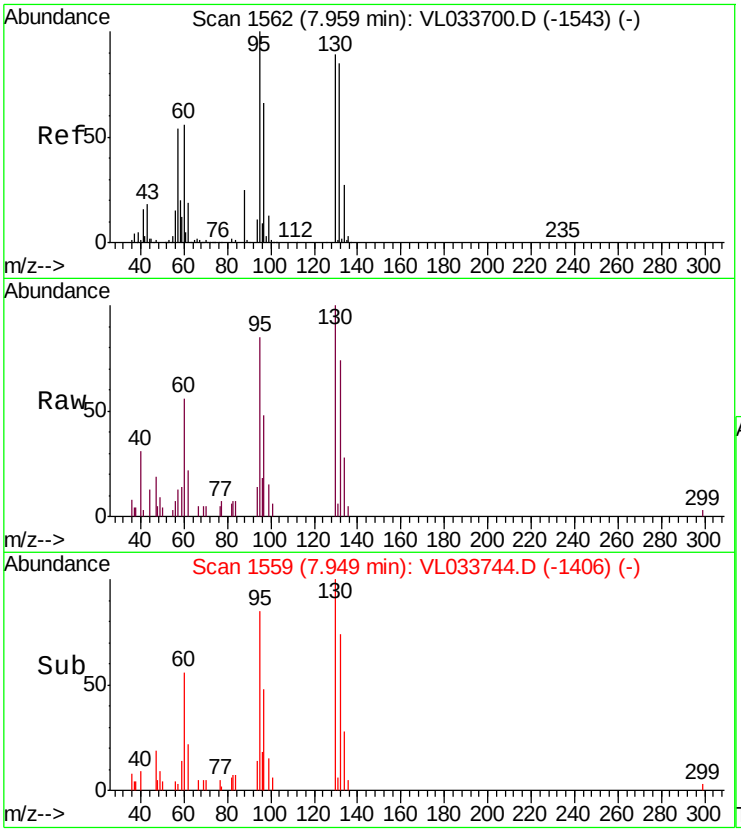


#37
1,2-Dichloroethane
Concen: 0.014 ppbv
RT: 6.39 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 62 Resp: 1652

Ion	Ratio	Lower	Upper
62	100		
98	10.6	4.5	6.7#



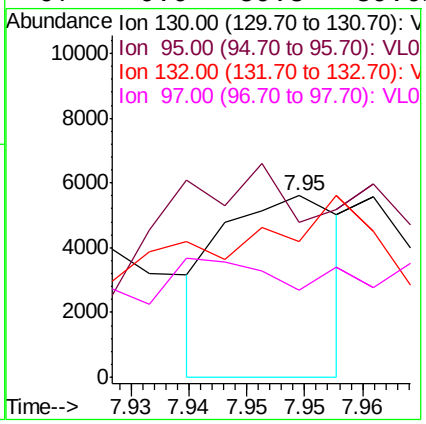


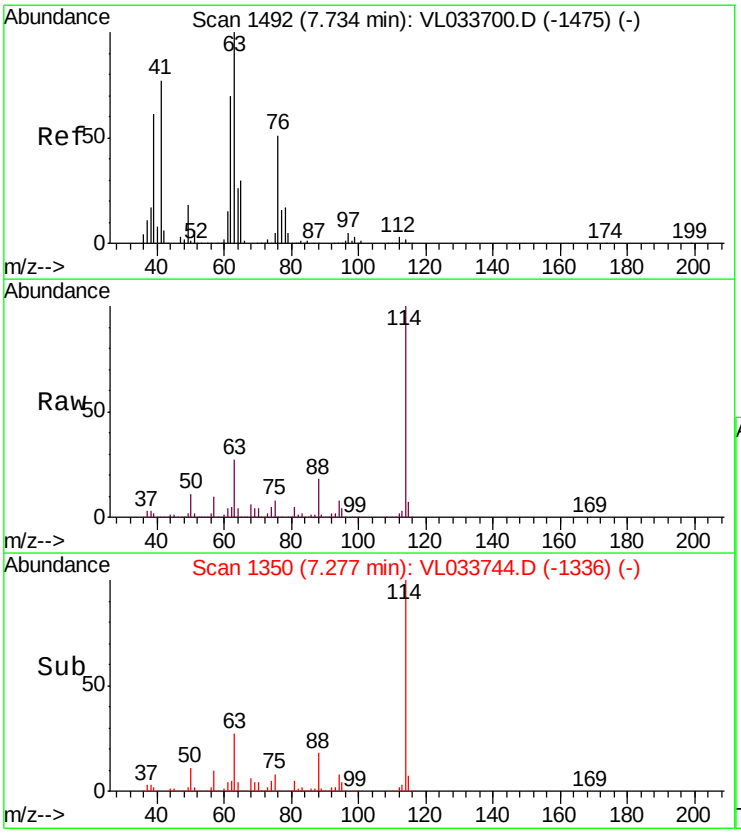
#38
Trichloroethene
Concen: 0.060 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument : MSVOA_L
ClientSampleId : BP-VPB202-AIR-UW-20190515DUP

Tgt Ion:130 Resp: 3966

Ion	Ratio	Lower	Upper
130	100		
95	0.0	90.2	135.4#
132	0.0	76.4	114.6#
97	0.0	59.8	89.6#

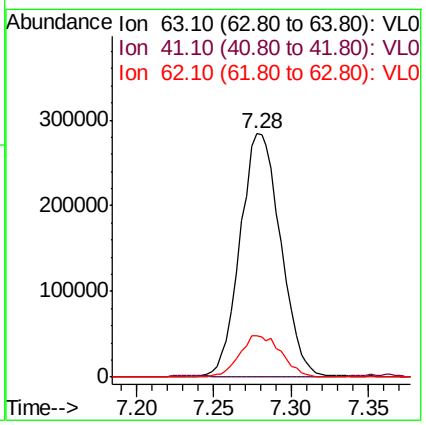


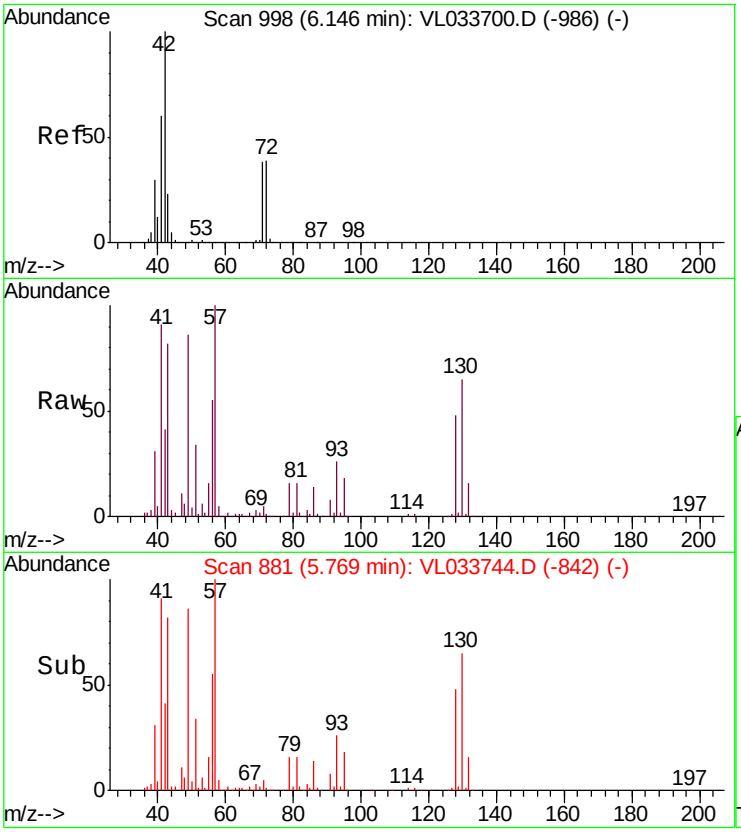


#39
1,2-Dichloropropane
Concen: 7.862 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.46 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 63 Resp: 519116

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.5	92.3#
62	17.1	56.2	84.4#



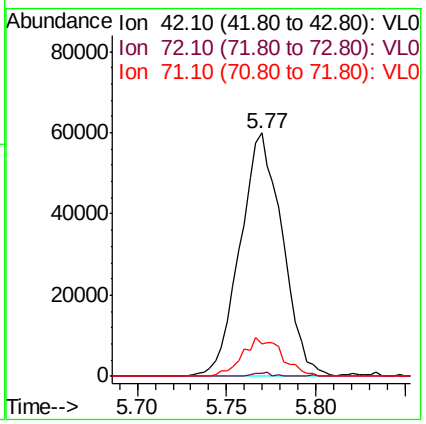


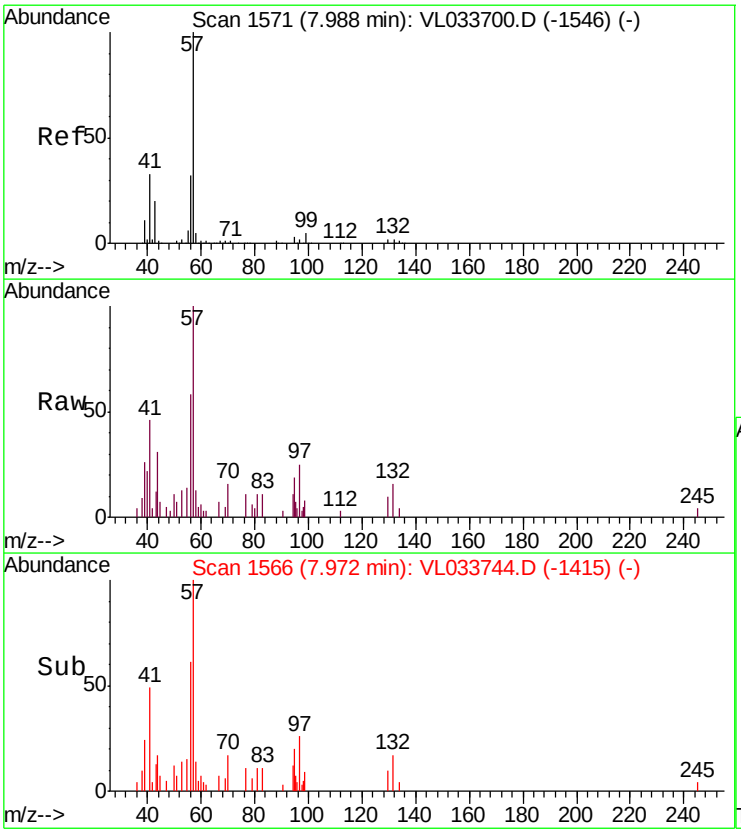
#41
Tetrahydrofuran
Concen: 1.465 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.38 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 42 Resp: 99061

Ion	Ratio	Lower	Upper
42	100		
72	0.9	32.0	48.0#
71	14.8	30.4	45.6#

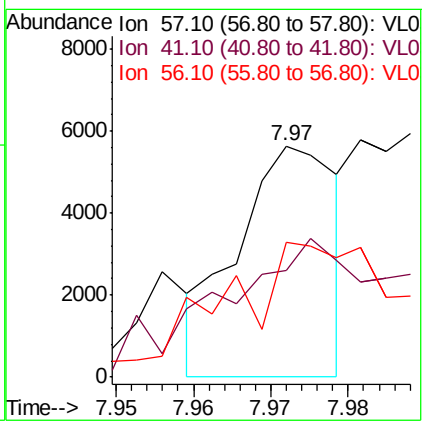


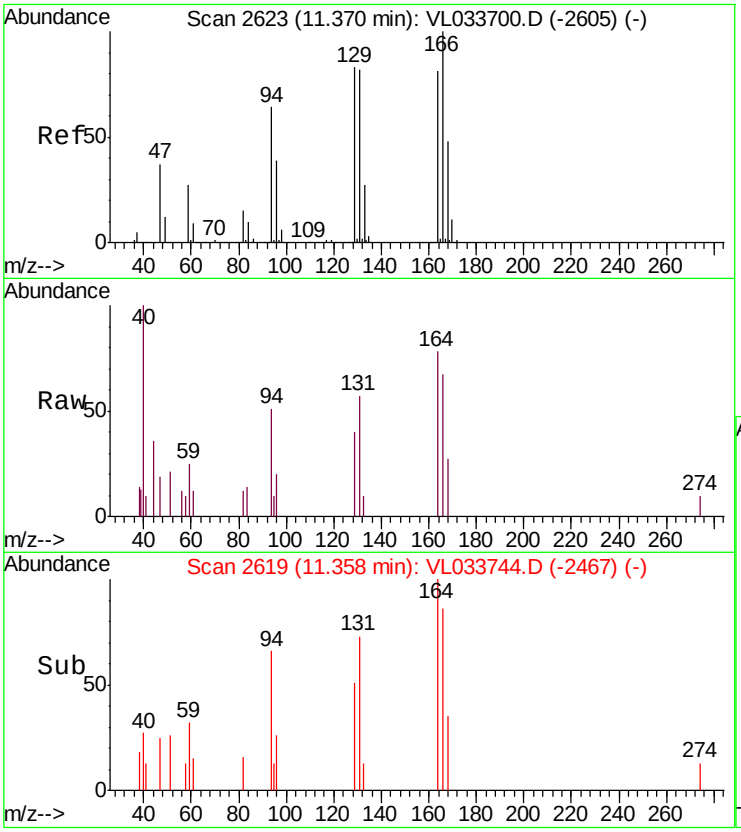


#44
2,2,4-Trimethylpentane
Concen: 0.017 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 57 Resp: 5016

Ion	Ratio	Lower	Upper
57	100		
41	170.7	25.4	38.0#
56	120.0	24.7	37.1#



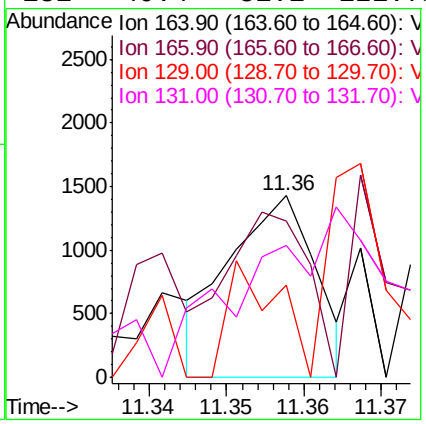


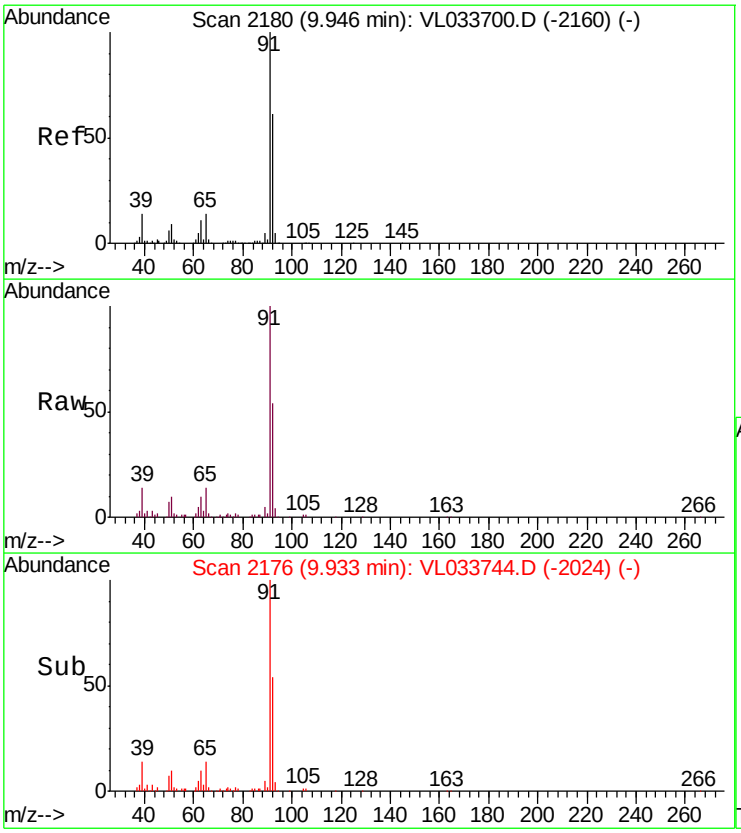
#52
Tetrachloroethene
Concen: 0.018 ppbv
RT: 11.36 min Scan# 2619
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion:164 Resp: 1118

Ion	Ratio	Lower	Upper
164	100		
166	123.3	98.9	148.3
129	73.1	81.8	122.6#
131	49.4	81.1	121.7#

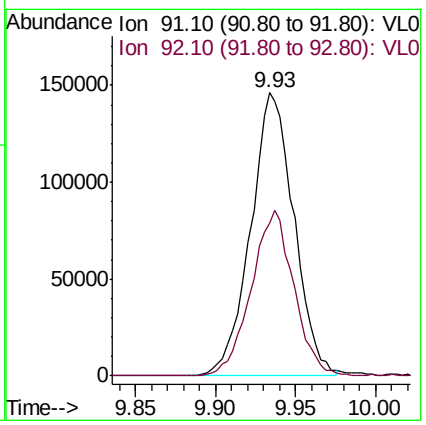


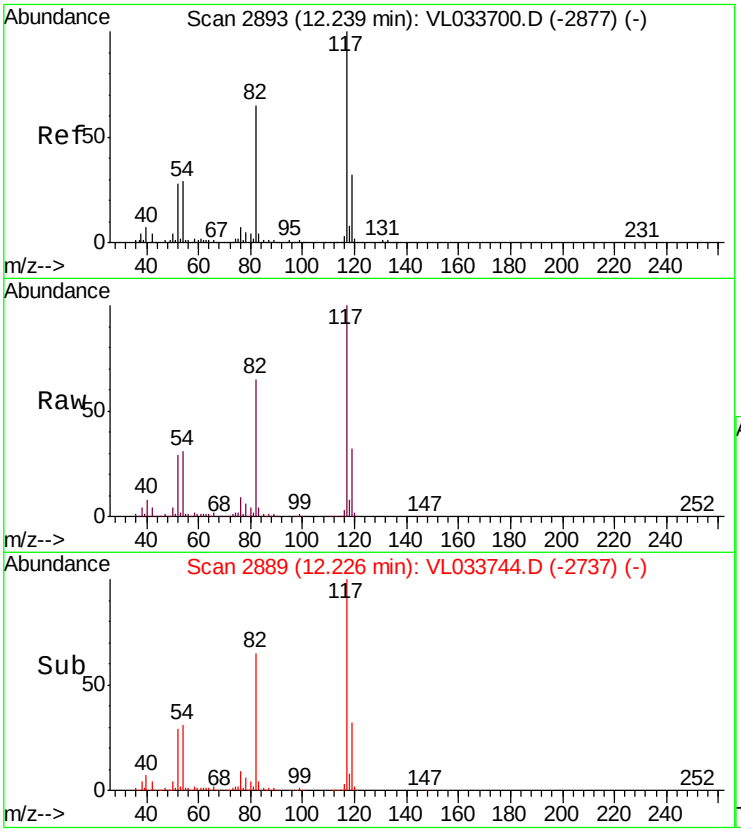


#53
Toluene
Concen: 1.426 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 91 Resp: 272351

Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.6	71.4



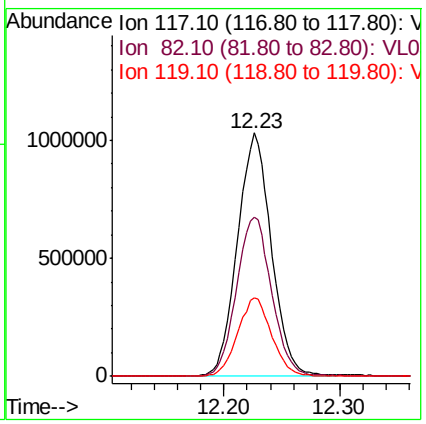


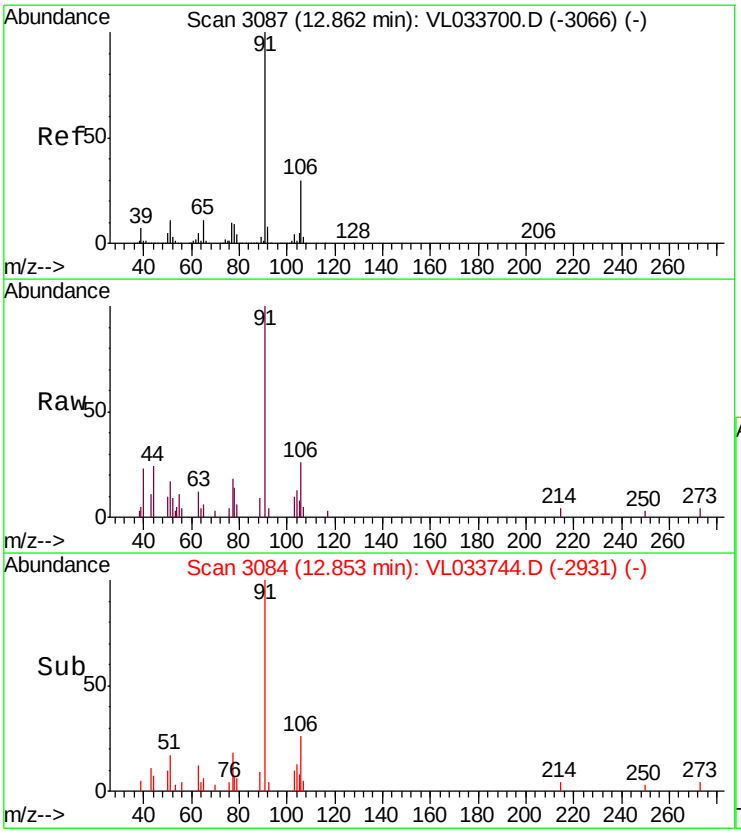
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion:117 Resp: 2100983

Ion	Ratio	Lower	Upper
117	100		
82	68.1	49.4	74.0
119	32.4	24.9	37.3

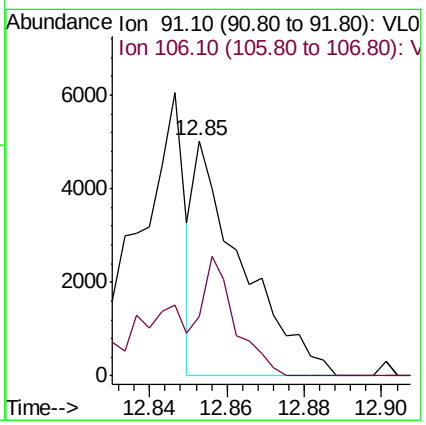


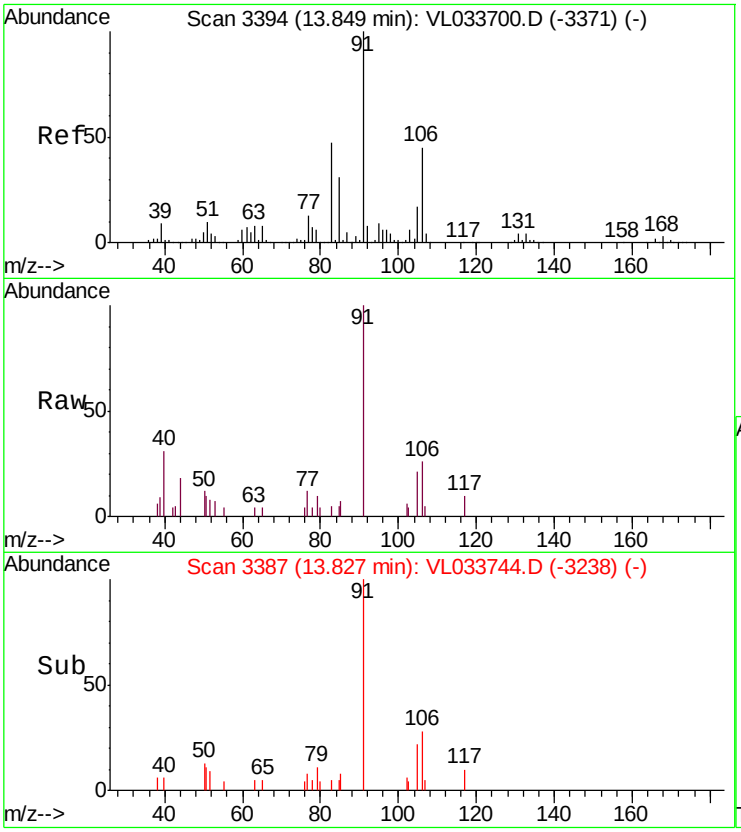


#58
Ethyl Benzene
Concen: 0.016 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion: 91 Resp: 4334

Ion	Ratio	Lower	Upper
91	100		
106	25.6	23.9	35.9



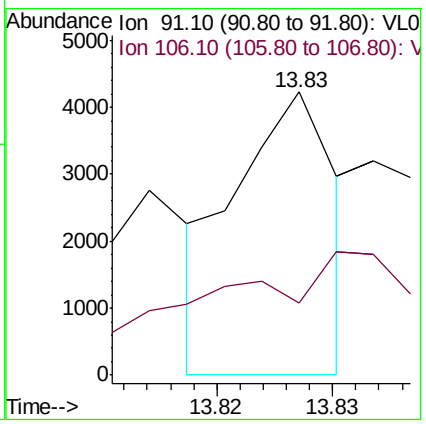


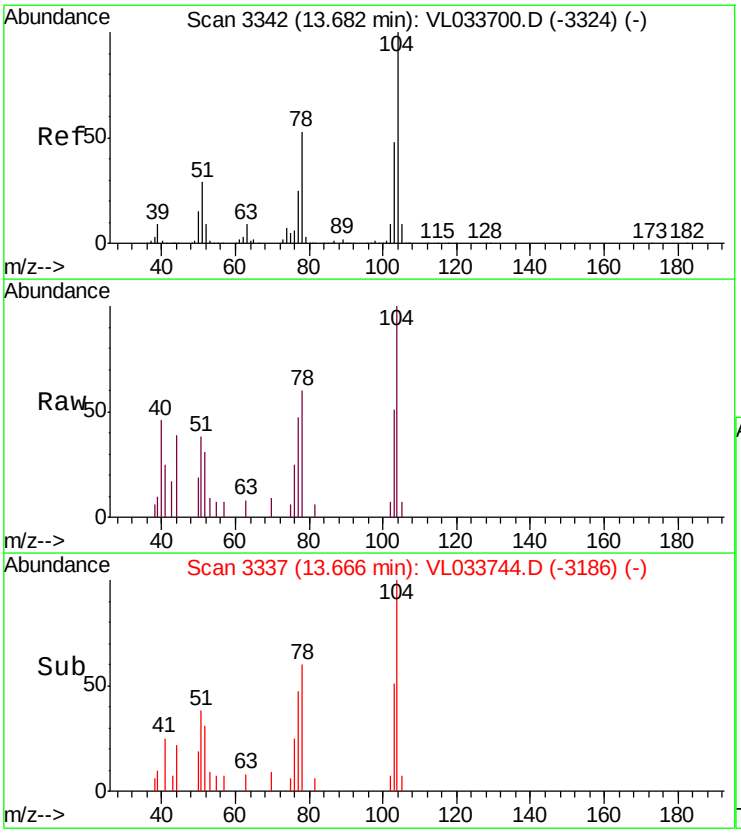
#60
o-Xylene
Concen: 0.010 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 91 Resp: 2521

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	64.8#

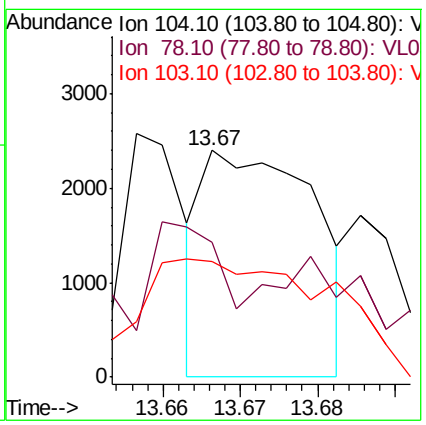


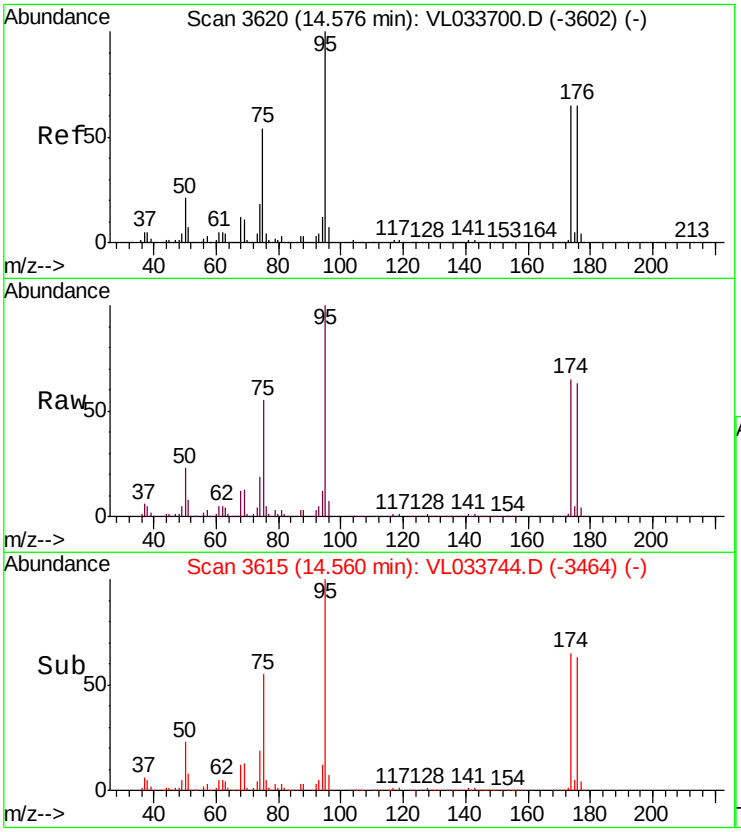


#61
Styrene
Concen: 0.015 ppbv
RT: 13.67 min Scan# 3337
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion:104 Resp: 2403

Ion	Ratio	Lower	Upper
104	100		
78	151.3	42.6	64.0#
103	101.0	37.8	56.6#



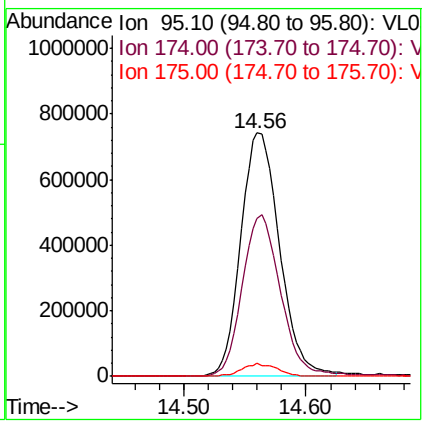


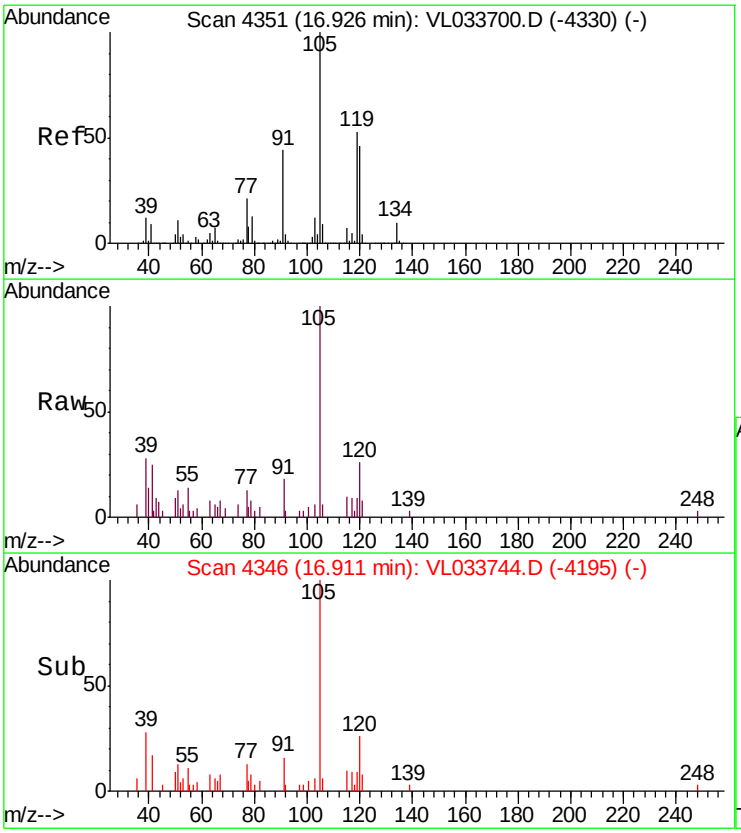
#68
1-Bromo-4-Fluorobenzene
Concen: 9.572 ppbv
RT: 14.56 min Scan# 3615
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion: 95 Resp: 1630298

Ion	Ratio	Lower	Upper
95	100		
174	66.4	53.9	80.9
175	4.9	3.8	5.8

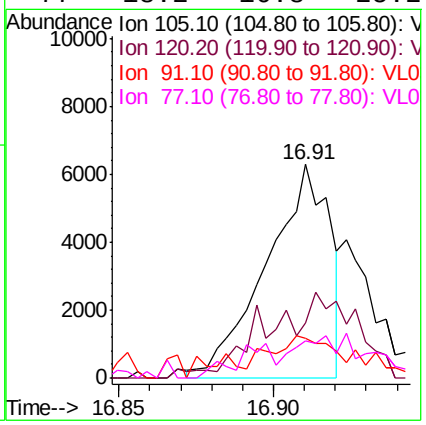


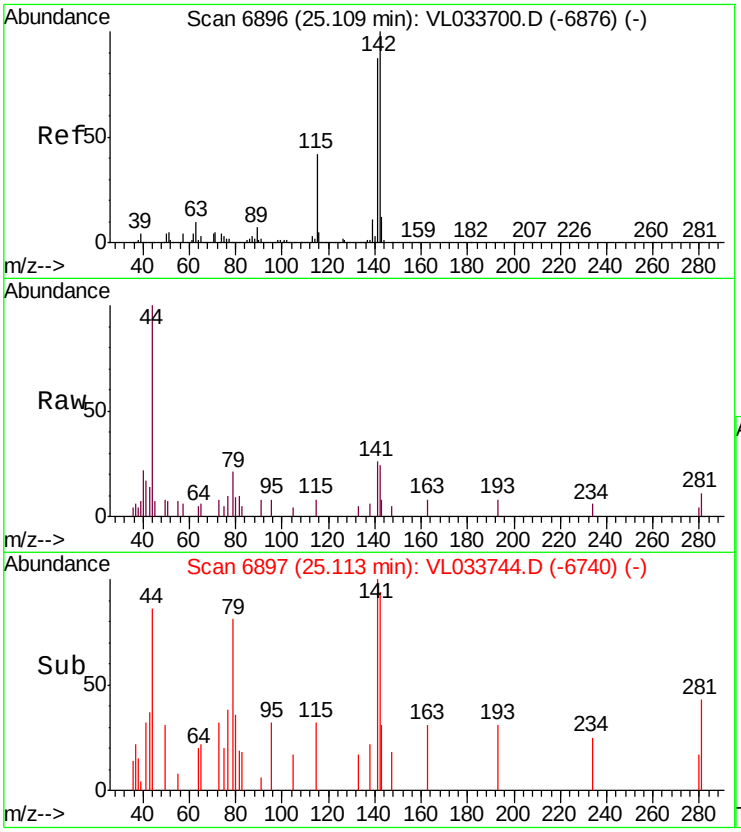


#74
1,2,4-Trimethylbenzene
Concen: 0.030 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.02 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Tgt Ion:105 Resp: 8915

Ion	Ratio	Lower	Upper
105	100		
120	23.4	36.8	55.2#
91	22.3	35.4	53.0#
77	18.2	16.8	25.2





#80
Naphthalene,2-methyl-
Concen: 0.021 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033744.D
Acq: 22 May 2019 14:49

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB202-AIR-UW-20190515DUP

Tgt Ion:142 Resp: 2202

Ion	Ratio	Lower	Upper
142	100		
141	106.7	67.2	100.8#
115	44.7	34.1	51.1