Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112018\

Quantitation Report (Not Reviewed)

Data File : VL032805.D
Acq On : 21 Nov 2018 8:31
Operator : SY/AP
Sample : J5998-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP-104

Quant Time: Nov 21 09:15:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1384737	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3680538	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3388906	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2674986	10.55	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	98928	0.497	ppbv		91
3) Chlorodifluoromethane	2.99	51	196554	1.790	ppbv	#	66
4) Chloromethane	3.18	50	31061	0.510	ppbv		88
9) Propene	3.25	41	121675	2.770	ppbv		95
10) Heptane	8.25	43	12018	0.072	ppbv	#	26
11) Trichlorofluoromethane	4.01	101	23485	0.125	ppbv	#	80
12) 1,1,2-Trichlorotrifluoroet	4.56	101	9241	0.060	ppbv	#	74
13) Ethanol	3.67	45	2092686	145.428	ppbv		99
15) Acetone	3.91	43	1274662	10.080	ppbv		92
16) 1,3-Butadiene	3.35	39	28308	0.578	ppbv	#	31
17) tert-Butyl alcohol	4.38	59	5278	0.133	ppbv	#	73
19) Isopropyl Alcohol	4.05	45	187170	2.222	ppbv	#	1
20) Methylene Chloride	4.42	84	303970	4.643	ppbv		92
21) Allyl Chloride	4.44	41	3531	0.033	ppbv	#	1
23) Vinyl Acetate	5.16	43	77168	0.335	ppbv	#	43
25) Ethyl Acetate	5.78	43	284358	0.965	ppbv	#	95
26) Hexane	5.79	57	217573	1.658	ppbv	#	66
29) Chloroform	5.85	83	7165	0.031	ppbv		95
30) Cyclohexane	7.26	84	6513	0.057	ppbv	#	1
34) 2-Butanone	5.34	43	143003	0.749	ppbv		100
35) Carbon Tetrachloride	7.14	117	10841	0.037	ppbv	#	68
36) Benzene	7.01	78	108239	0.369	ppbv	#	94
39) 1,2-Dichloropropane	7.30	63	881627	7.895	ppbv	#	23
44) 2,2,4-Trimethylpentane	8.00	57	52632	0.107	ppbv	#	64
53) Toluene	9.95	91	882717	2.887	ppbv		99
58) Ethyl Benzene	12.87	91	48704	0.119	ppbv		92
59) m/p-Xylene	13.13	91	110279	0.304	ppbv	#	80
60) o-Xylene	13.87	91	22229	0.061	ppbv	#	32
74) 1,2,4-Trimethylbenzene	16.93	105	67216	0.161	ppbv	#	70

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

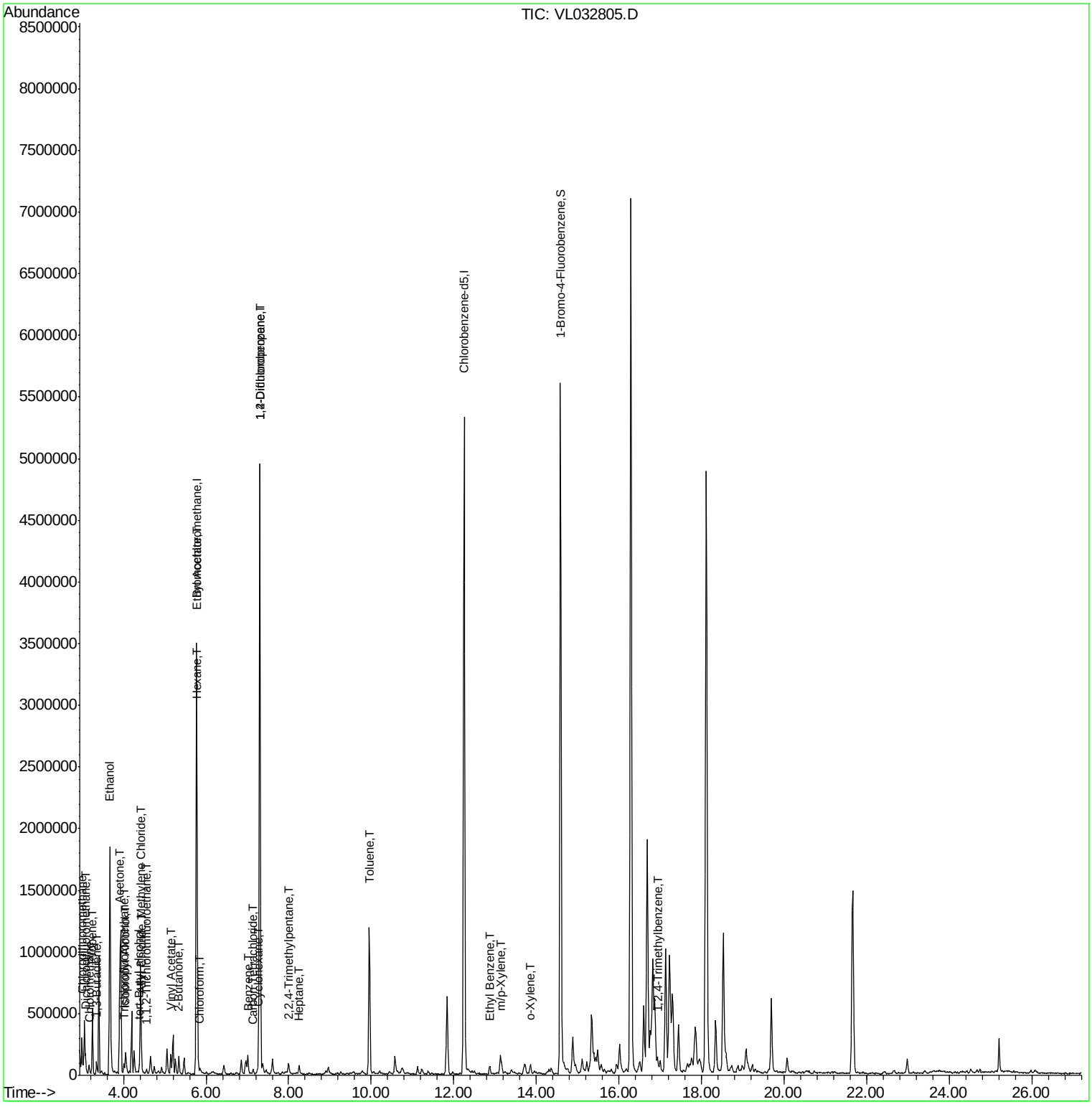
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112018\

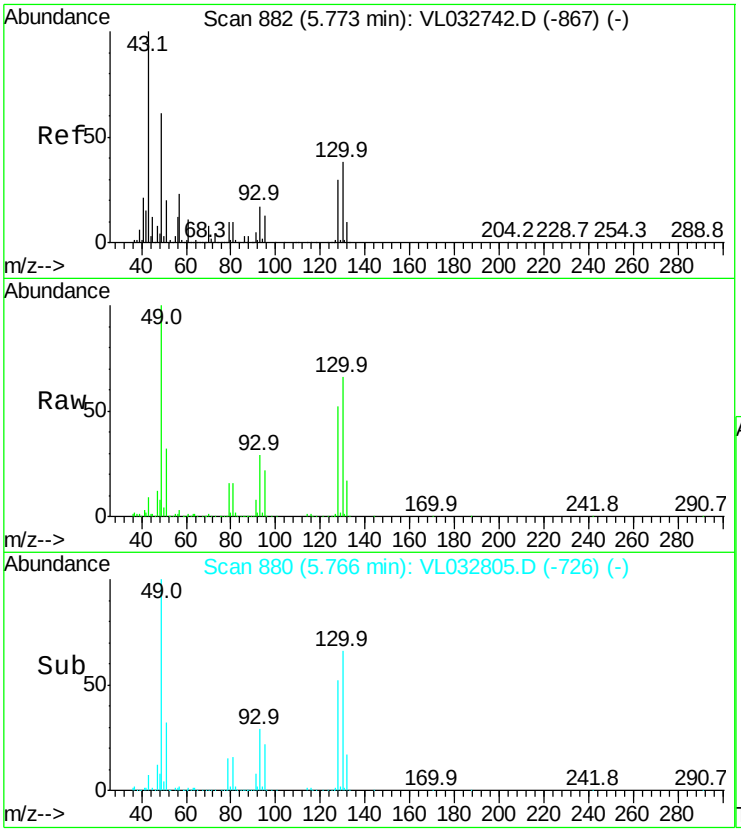
Quantitation Report (Not Reviewed)

Data File : VL032805.D
Acq On : 21 Nov 2018 8:31
Operator : SY/AP
Sample : J5998-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP-104

Quant Time: Nov 21 09:15:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



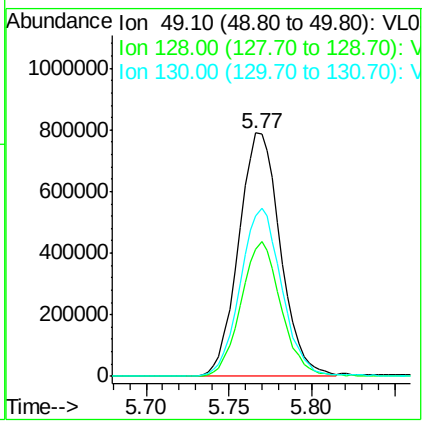


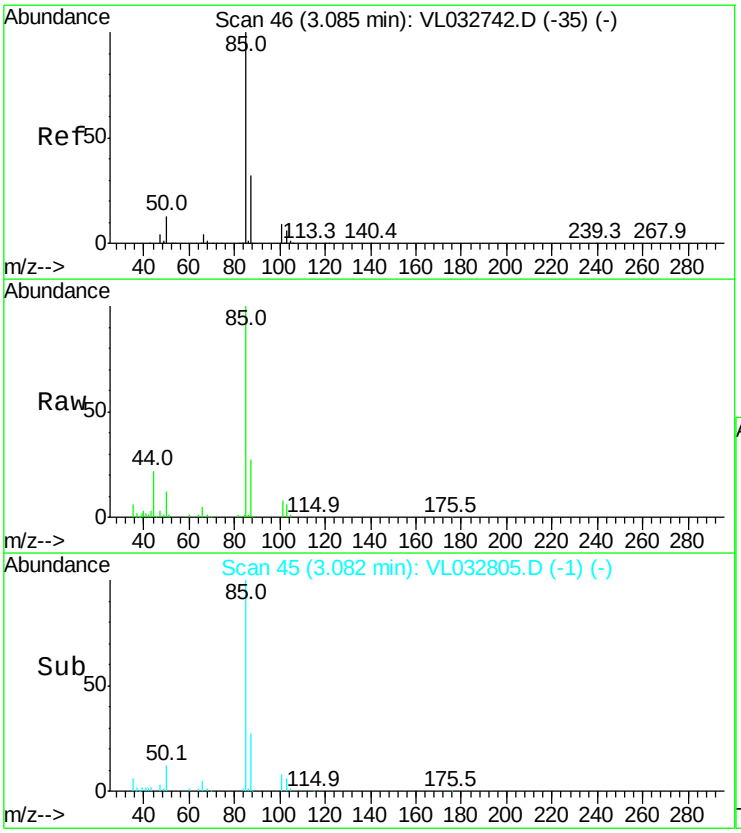
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion: 49 Resp: 1384737

Ion	Ratio	Lower	Upper
49	100		
128	53.2	24.9	74.6
130	69.3	31.4	94.2

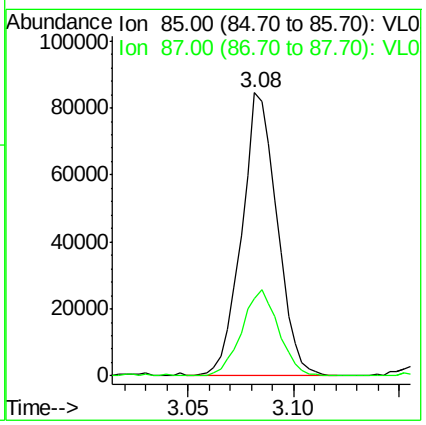


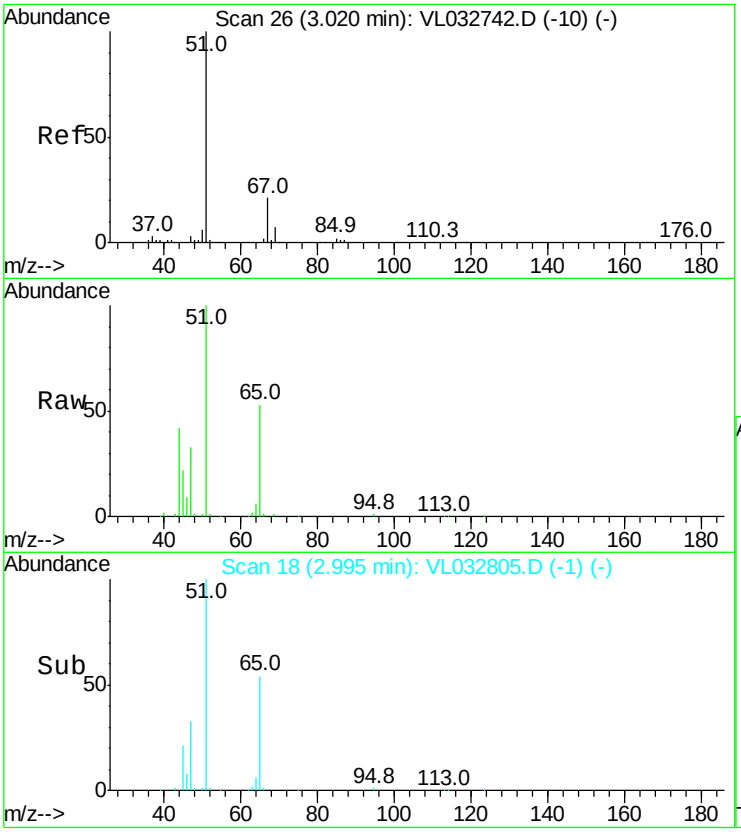


#2
Dichlorodifluoromethane
Concen: 0.497 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 85 Resp: 98928

Ion	Ratio	Lower	Upper
85	100		
87	27.4	26.0	39.0



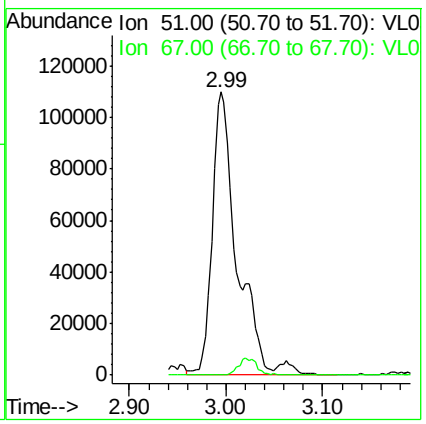


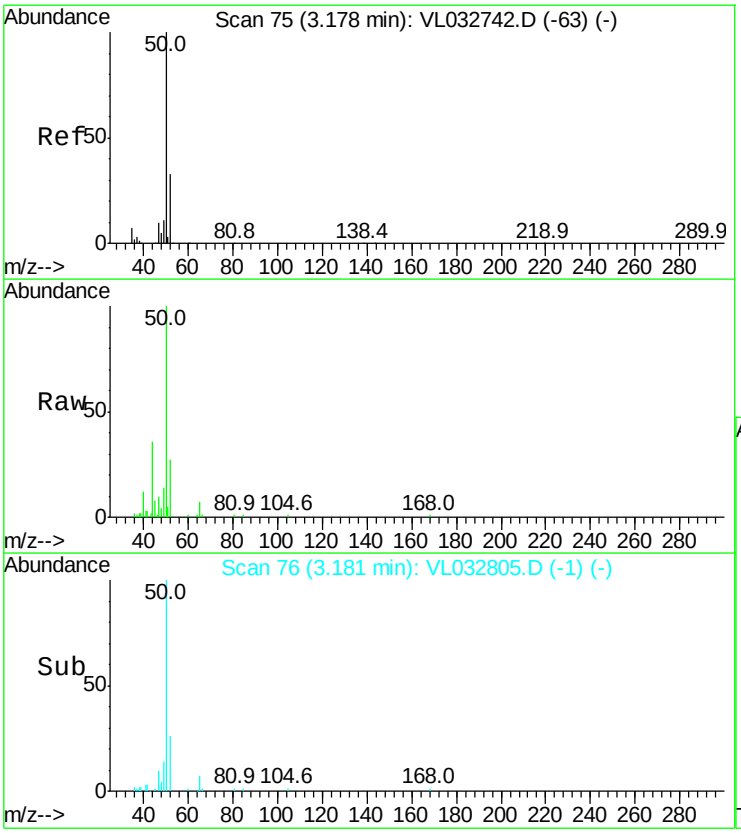
#3
Chlorodifluoromethane
Concen: 1.790 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.03 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion: 51 Resp: 196554

Ion	Ratio	Lower	Upper
51	100		
67	4.5	16.1	24.1#

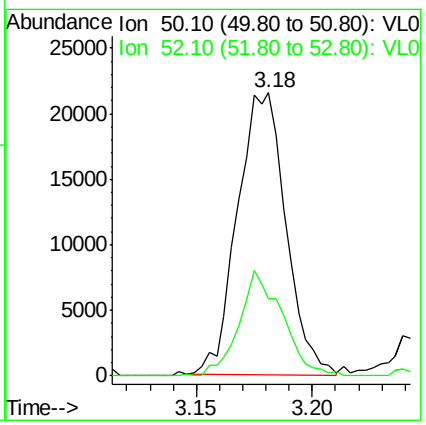


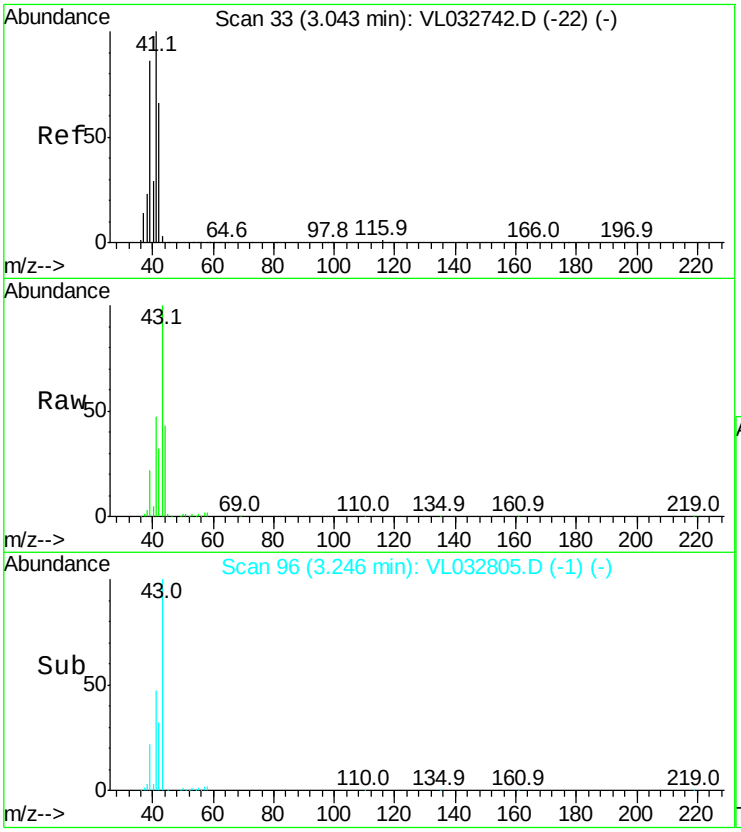


#4
Chloromethane
Concen: 0.510 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 50 Resp: 31061

Ion	Ratio	Lower	Upper
50	100		
52	26.8	26.6	40.0



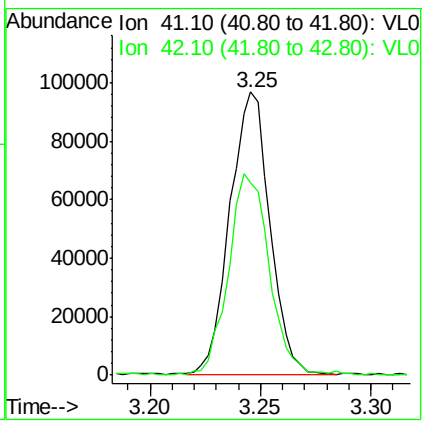


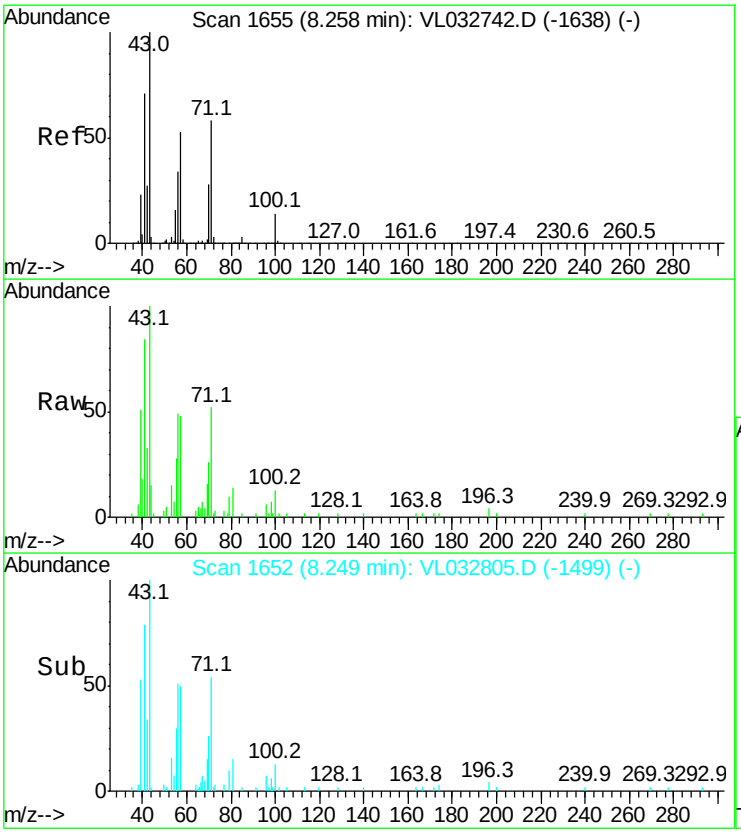
#9
Propene
Concen: 2.770 ppbv
RT: 3.25 min Scan# 96
Delta R.T. 0.20 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 41 Resp: 121675

Ion	Ratio	Lower	Upper
41	100		
42	72.5	55.0	82.6

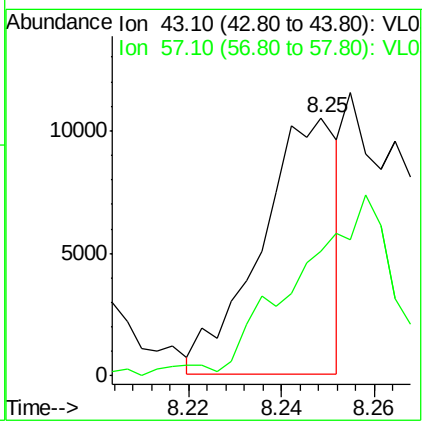


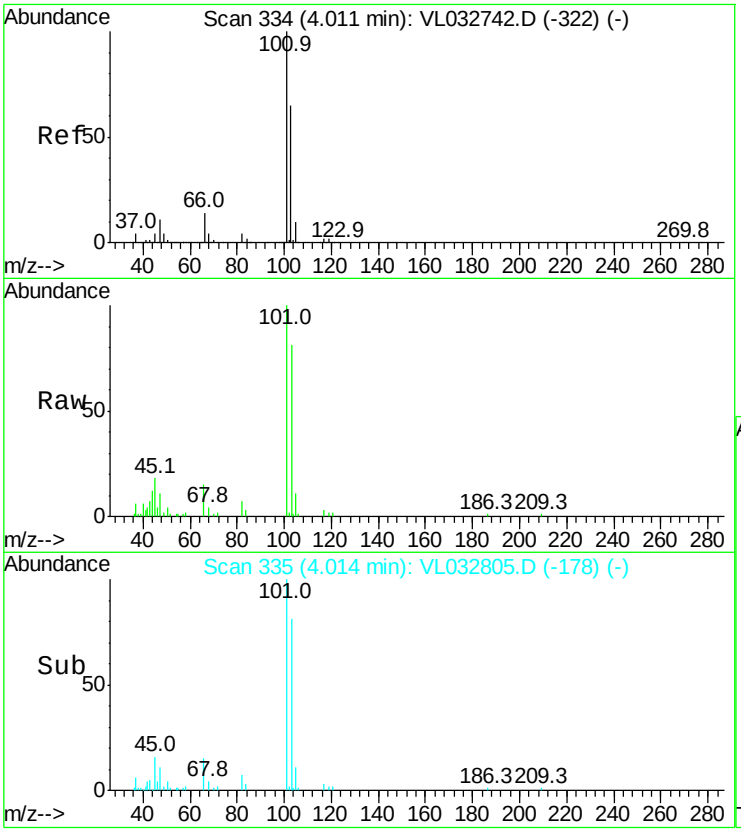


#10
Heptane
Concen: 0.072 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 43 Resp: 12018

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.8	62.8#



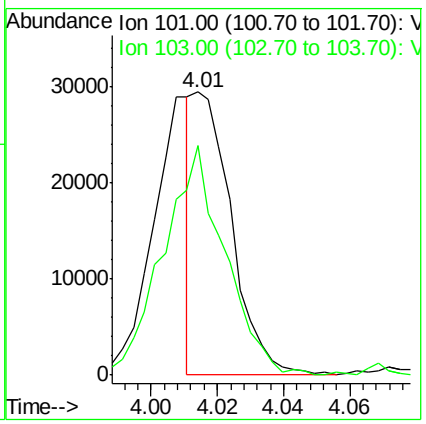


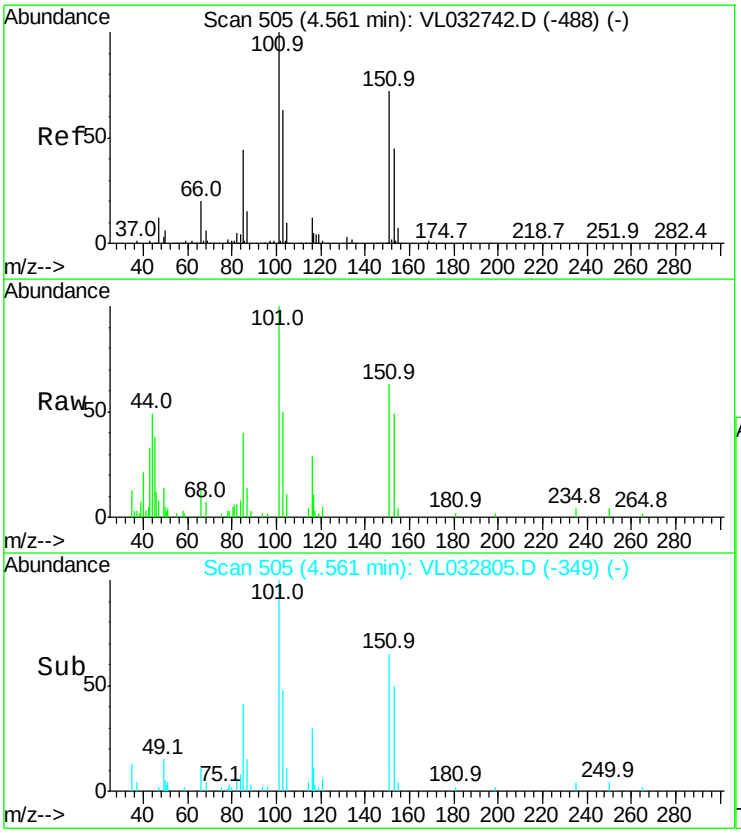
#11
Trichlorofluoromethane
Concen: 0.125 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion:101 Resp: 23485

Ion	Ratio	Lower	Upper
101	100		
103	79.9	51.6	77.4#

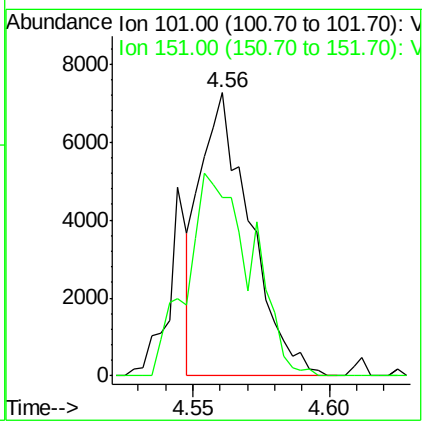


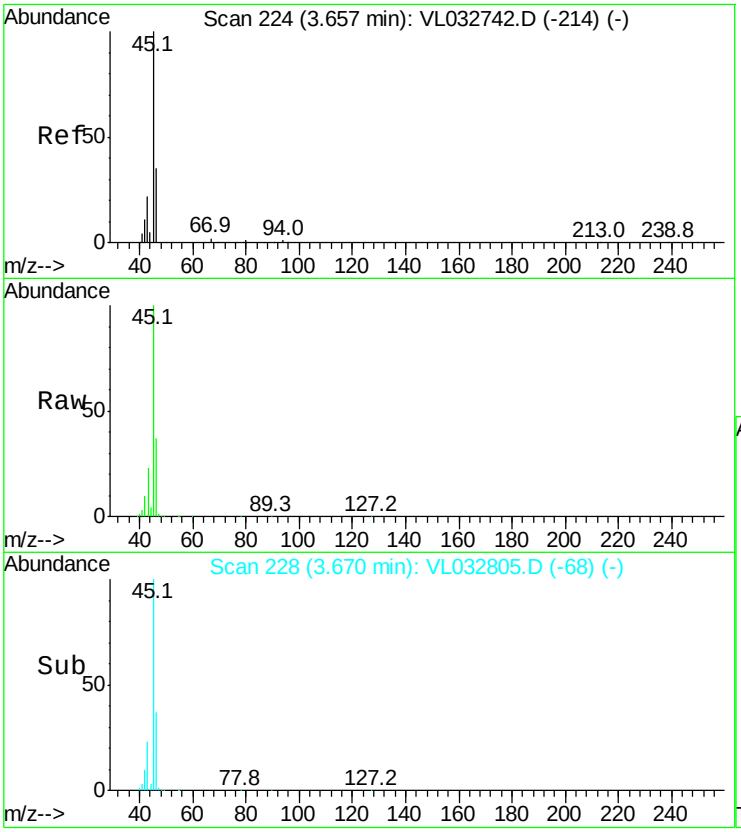


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.060 ppbv
RT: 4.56 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:101 Resp: 9241

Ion	Ratio	Lower	Upper
101	100		
151	92.1	56.7	85.1#



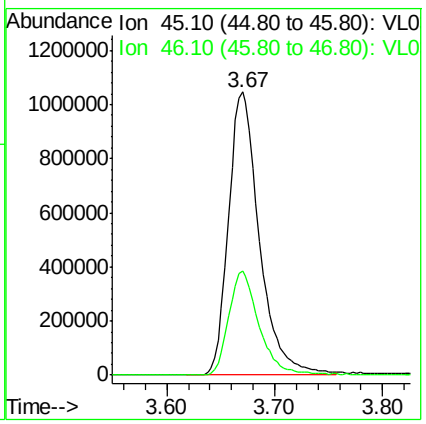


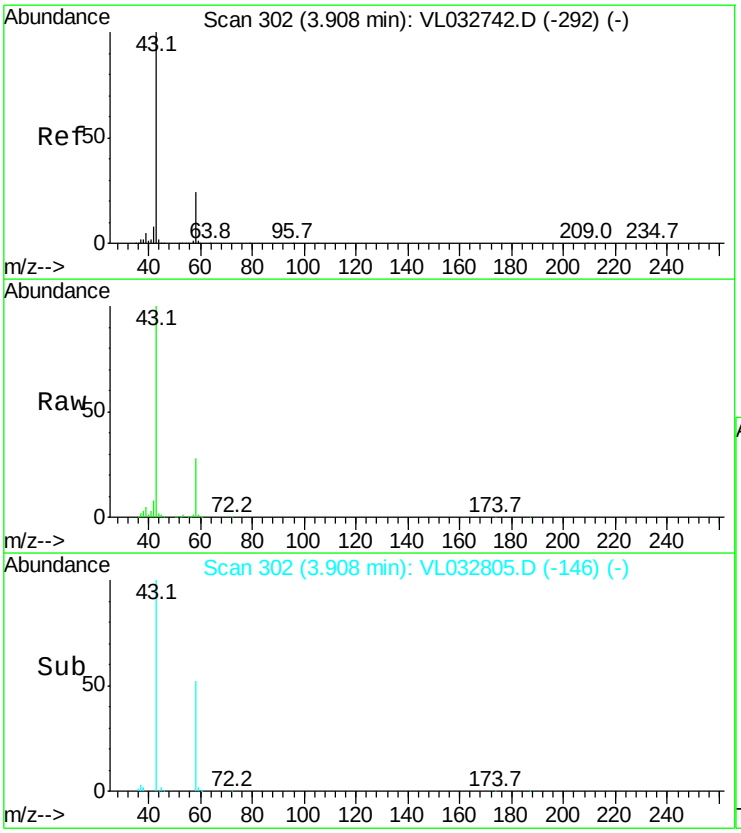
#13
Ethanol
Concen: 145.428 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 45 Resp: 2092686

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.5	57.9

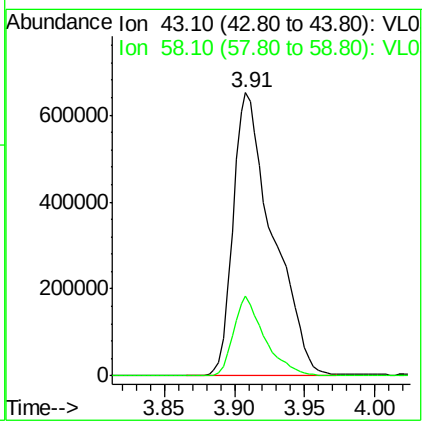


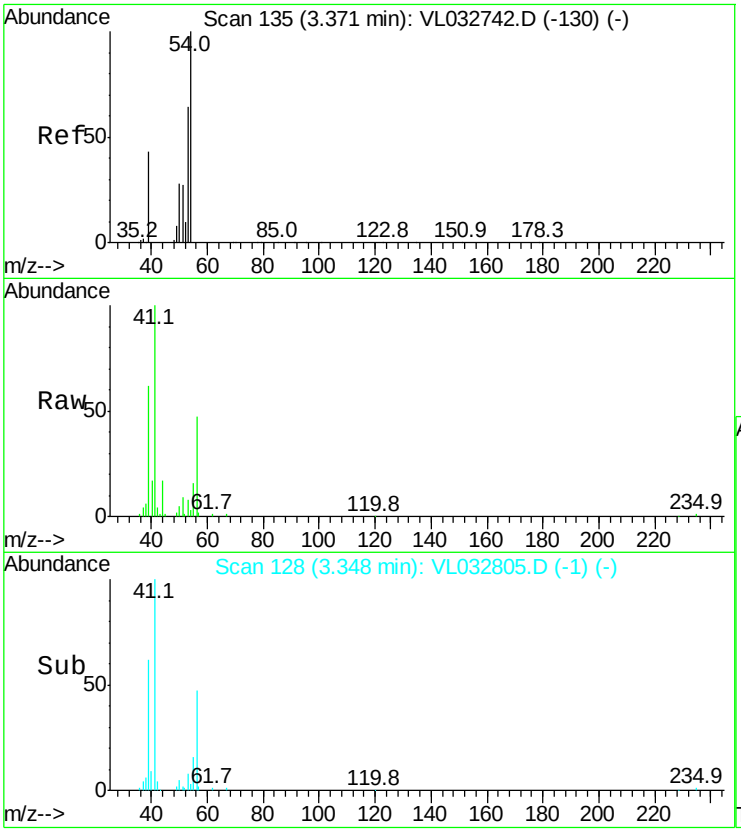


#15
Acetone
Concen: 10.080 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 43 Resp: 1274662

Ion	Ratio	Lower	Upper
43	100		
58	22.2	21.1	31.7



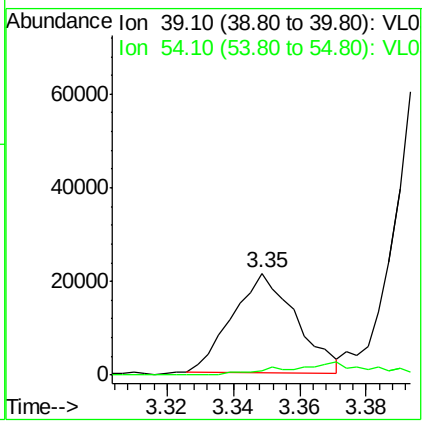


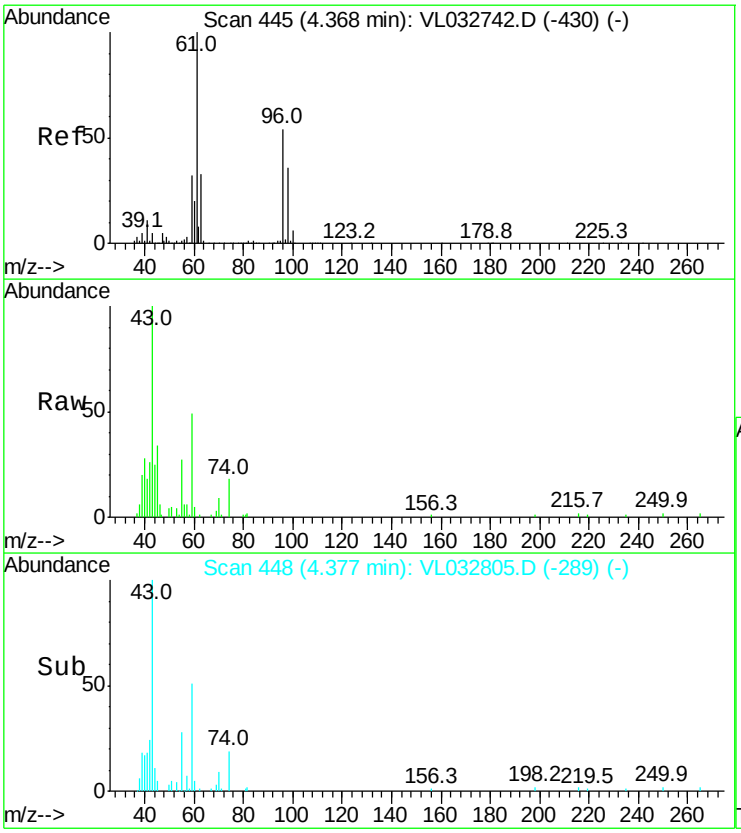
#16
1,3-Butadiene
Concen: 0.578 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion: 39 Resp: 28308

Ion	Ratio	Lower	Upper
39	100		
54	22.4	68.9	103.3#

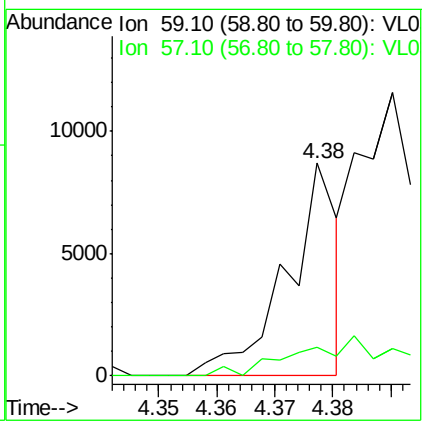


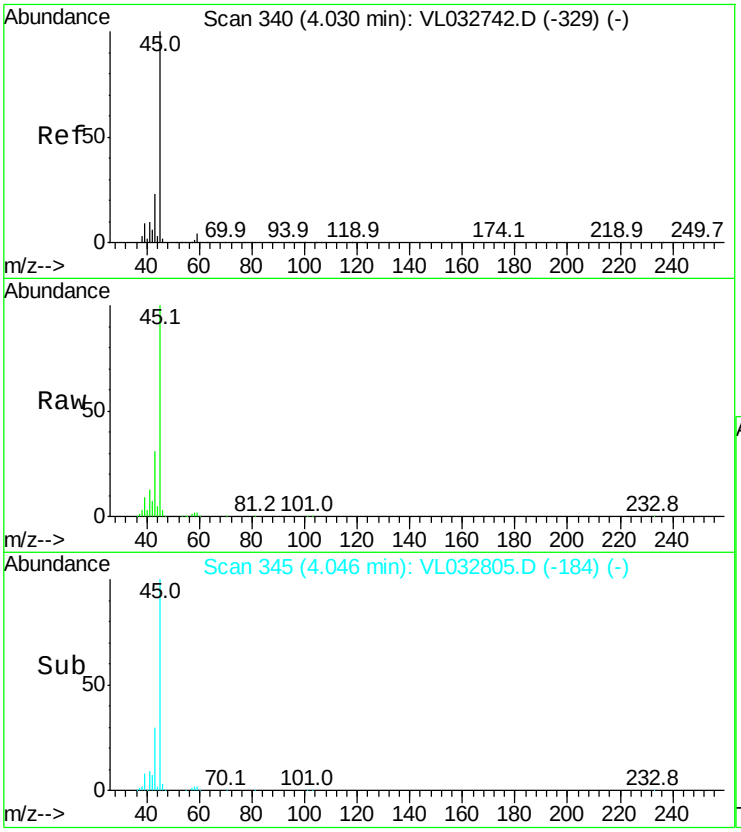


#17
tert-Butyl alcohol
Concen: 0.133 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 59 Resp: 5278

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



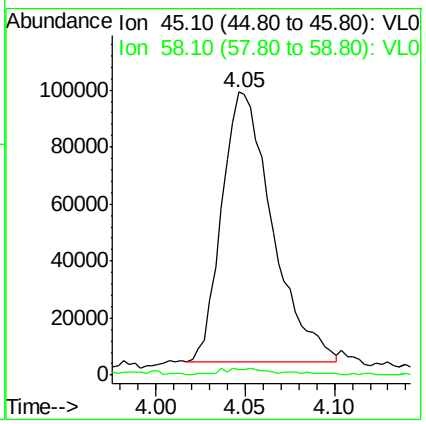


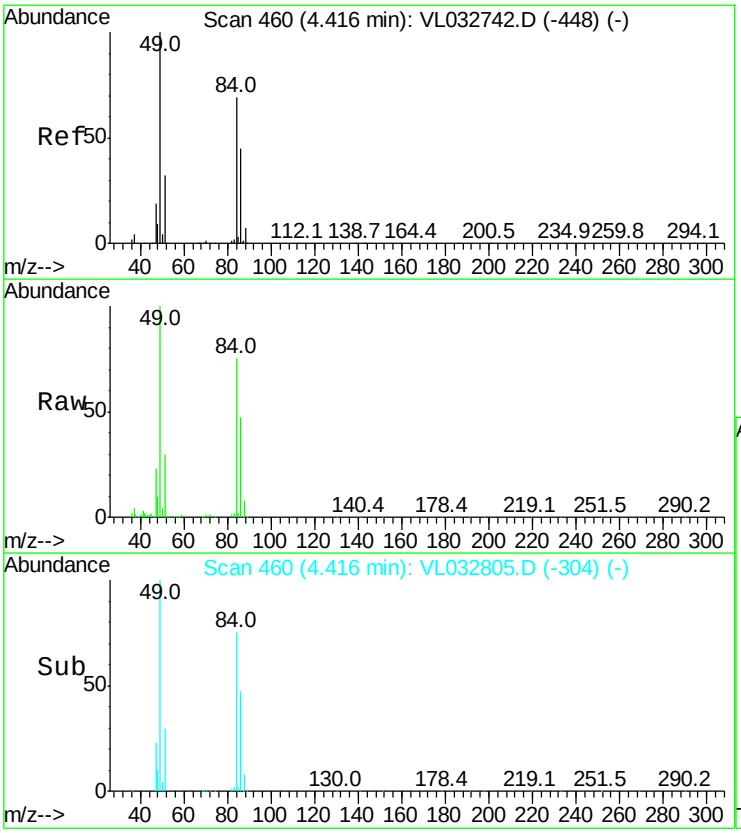
#19
Isopropyl Alcohol
Concen: 2.222 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 45 Resp: 187170

Ion	Ratio	Lower	Upper
45	100		
58	152.2	1.4	2.0#

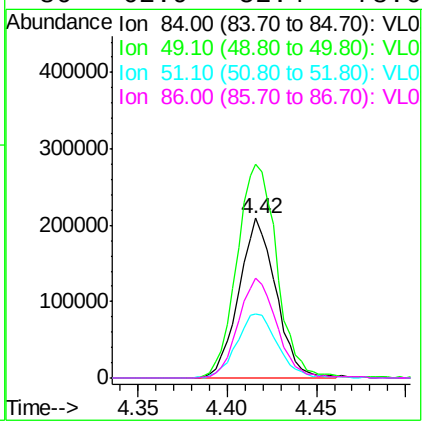


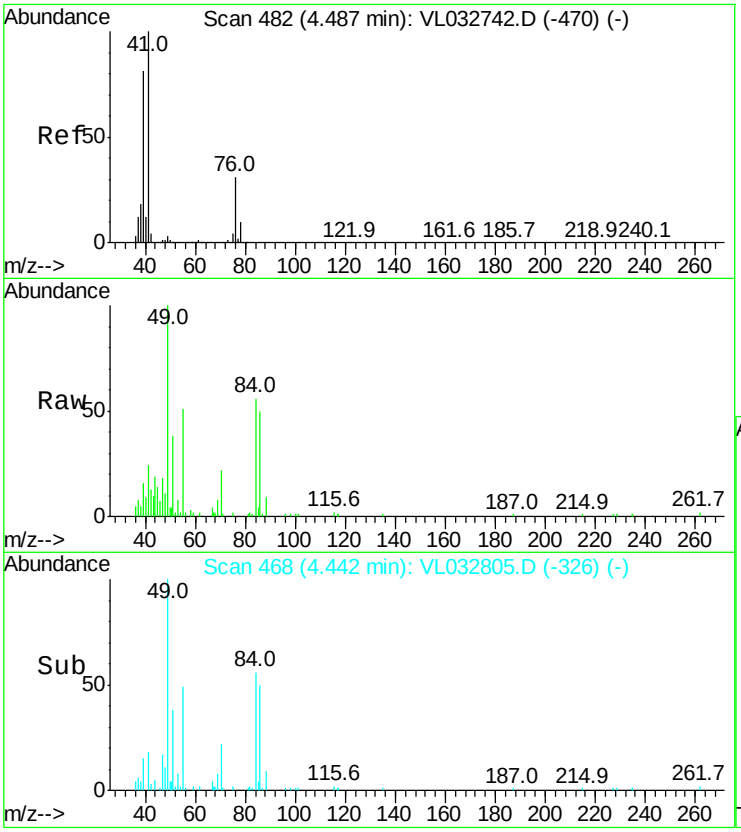


#20
Methylene Chloride
Concen: 4.643 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 84 Resp: 303970

Ion	Ratio	Lower	Upper
84	100		
49	133.4	115.8	173.6
51	39.7	36.9	55.3
86	62.9	52.4	78.6



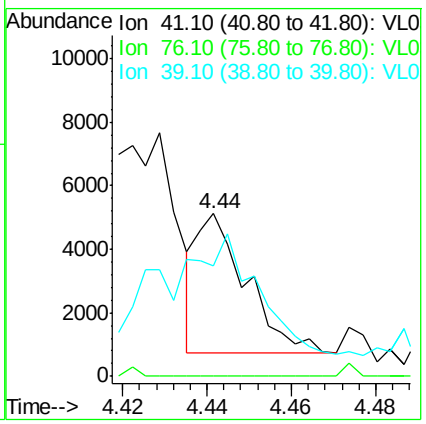


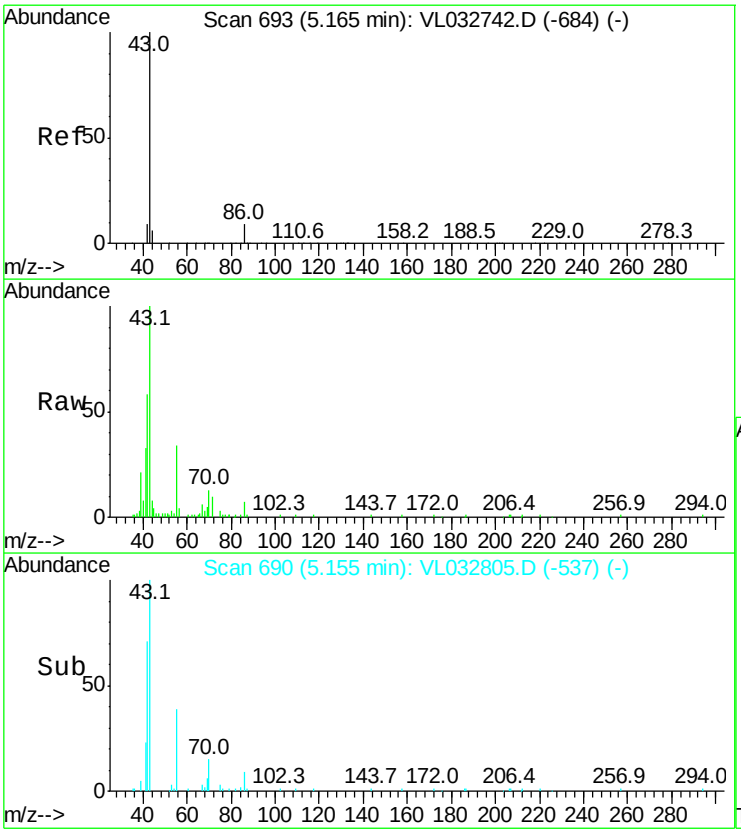
#21
Allyl Chloride
Concen: 0.033 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.04 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion: 41 Resp: 3531

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	241.0	63.5	95.3#

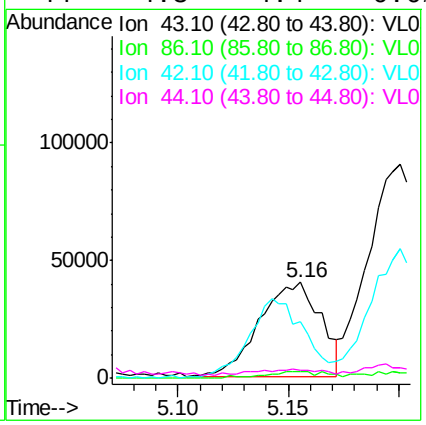


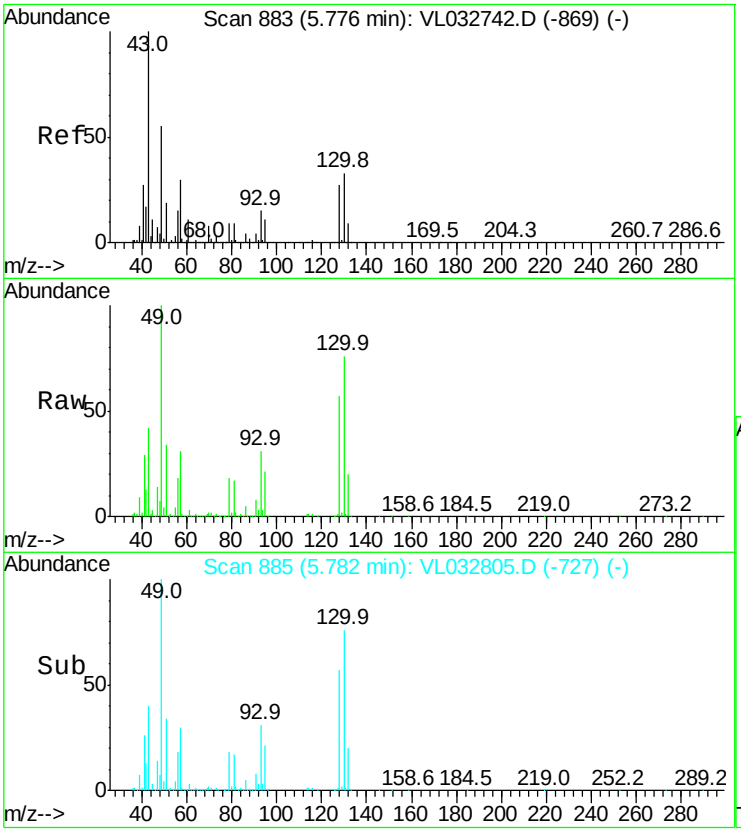


#23
Vinyl Acetate
Concen: 0.335 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 43 Resp: 77168

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.2	9.4
42	57.8	7.8	11.6#
44	4.3	4.4	6.6#



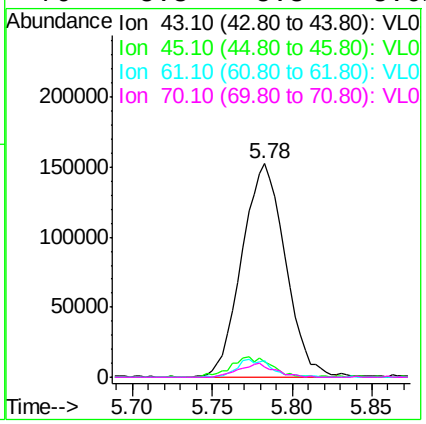


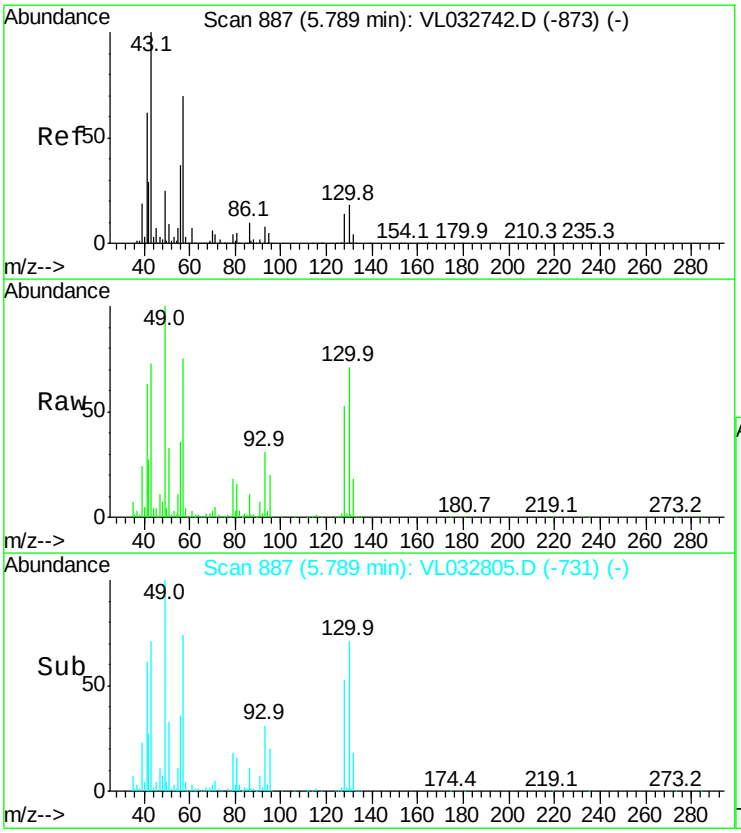
#25
Ethyl Acetate
Concen: 0.965 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 43 Resp: 284358

Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	6.8	7.8	11.6#
70	5.3	5.8	8.6#

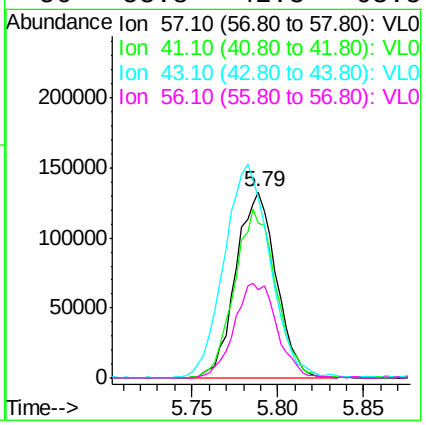


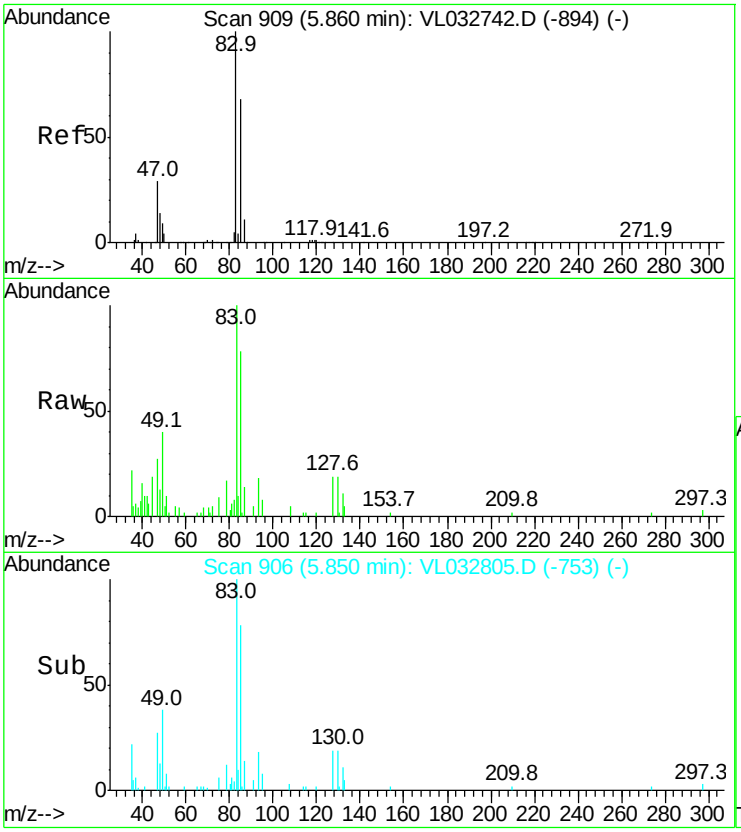


#26
Hexane
Concen: 1.658 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 57 Resp: 217573

Ion	Ratio	Lower	Upper
57	100		
41	93.8	70.3	105.5
43	132.9	174.0	261.0#
56	53.8	42.3	63.5



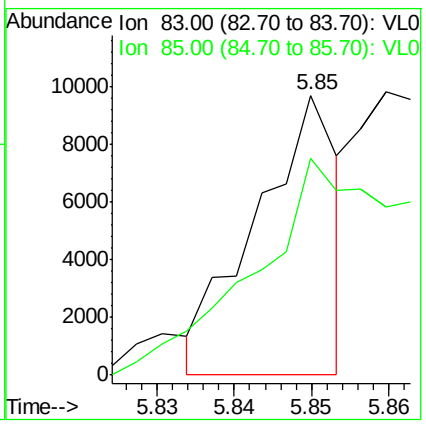


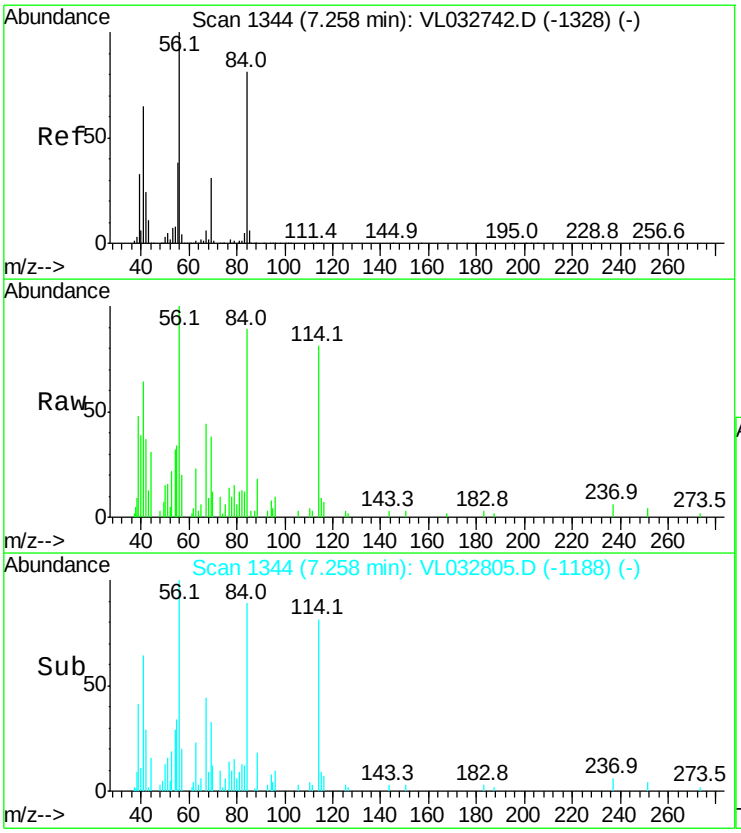
#29
Chloroform
Concen: 0.031 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 83 Resp: 7165

Ion	Ratio	Lower	Upper
83	100		
85	71.6	54.2	81.4

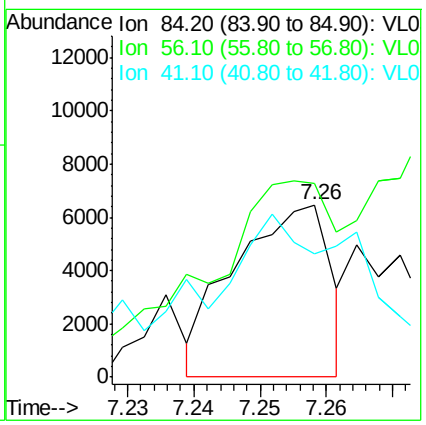


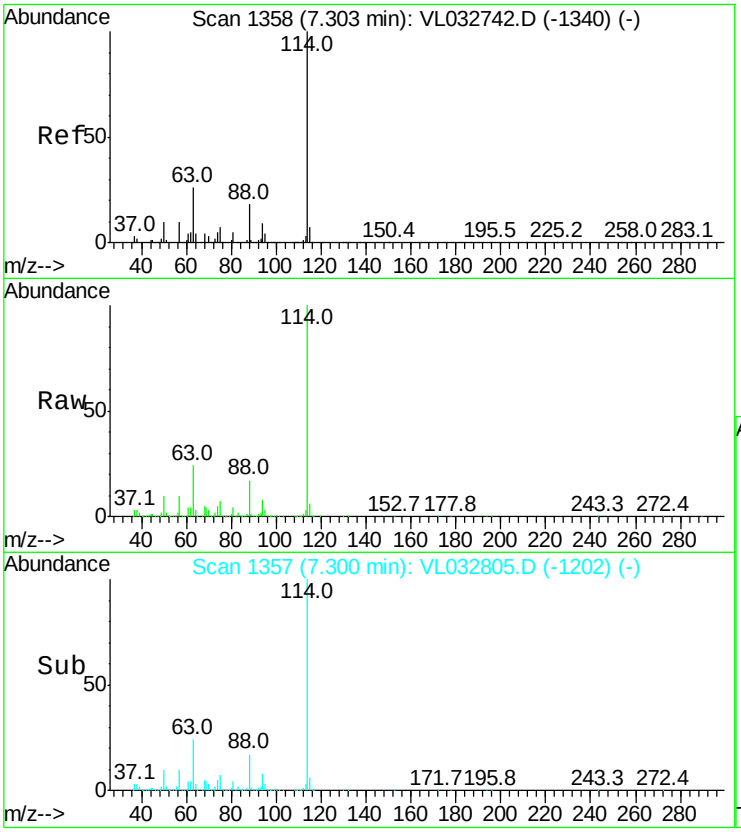


#30
Cyclohexane
Concen: 0.057 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 84 Resp: 6513

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	269.0	65.3	97.9#



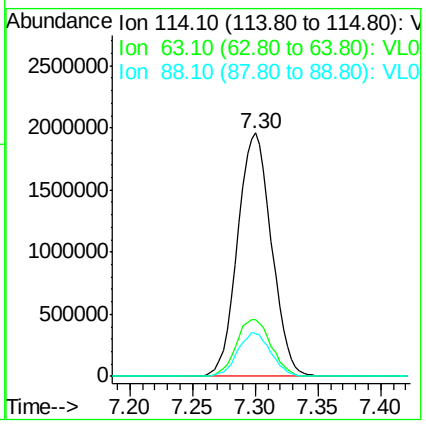


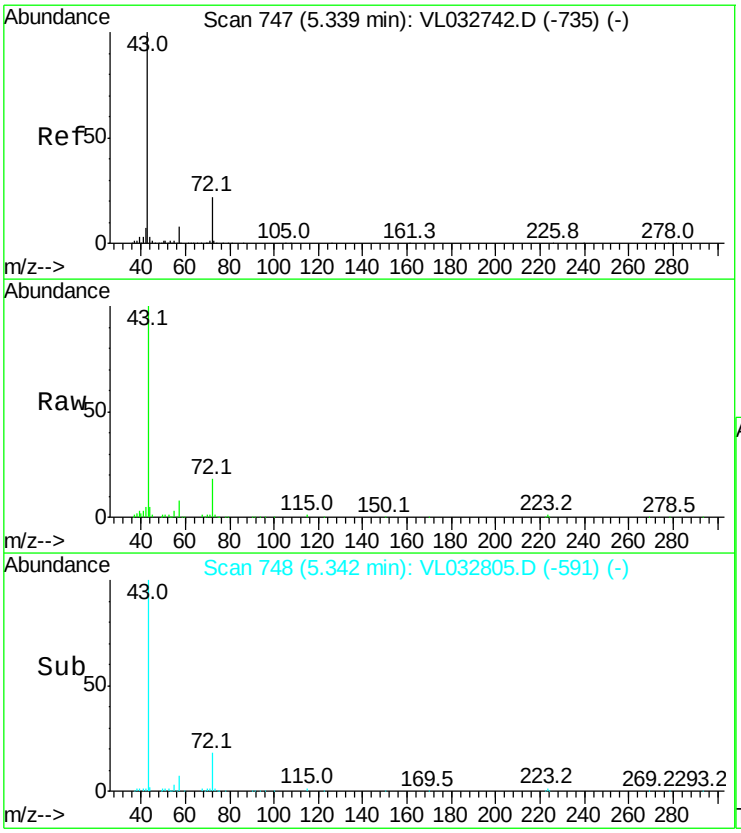
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion:114 Resp: 3680538

Ion	Ratio	Lower	Upper
114	100		
63	24.1	20.9	31.3
88	17.8	14.4	21.6

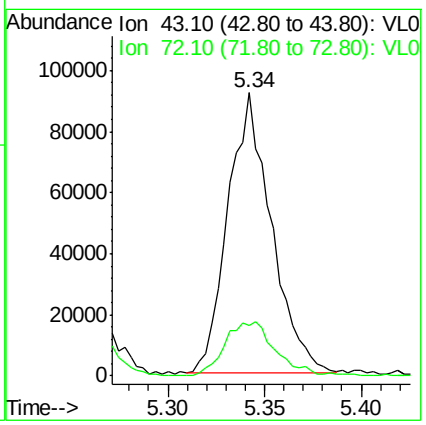


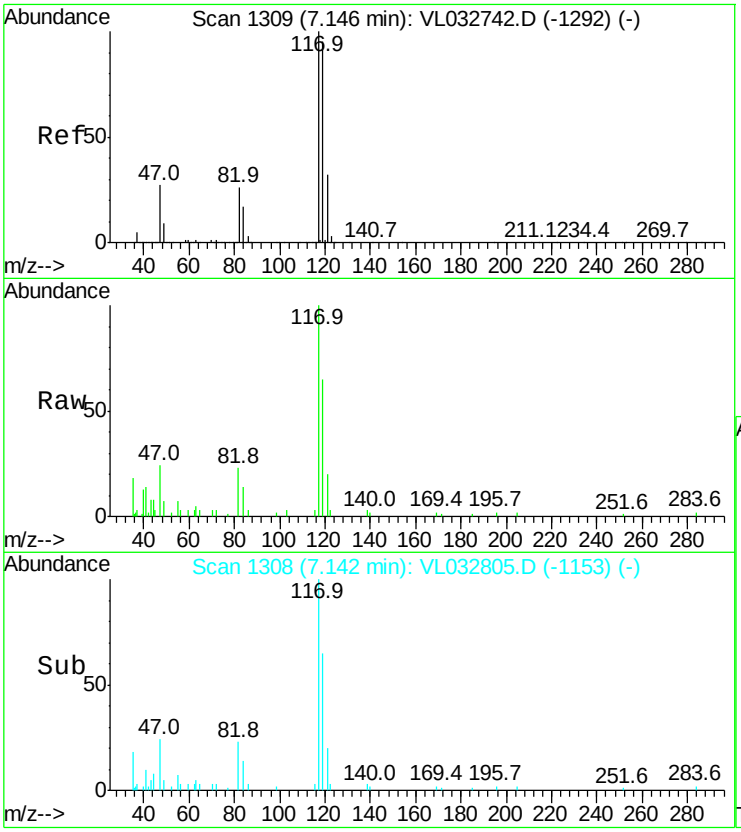


#34
2-Butanone
Concen: 0.749 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 43 Resp: 143003

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6



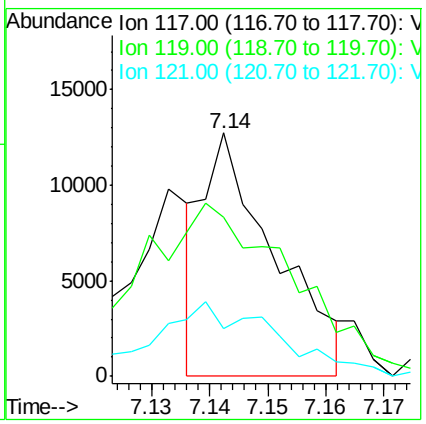


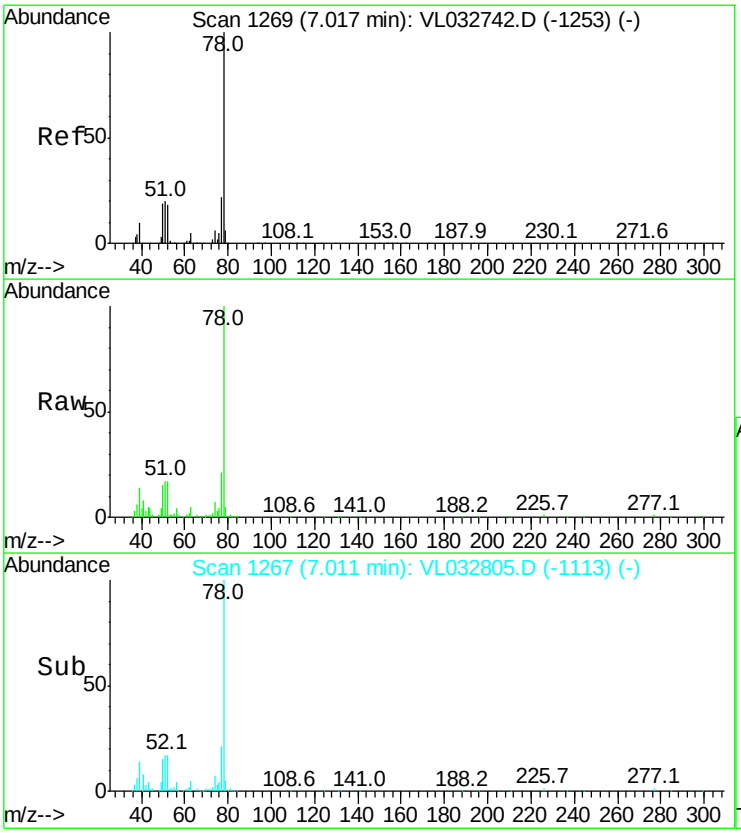
#35
Carbon Tetrachloride
Concen: 0.037 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion:117 Resp: 10841

Ion	Ratio	Lower	Upper
117	100		
119	61.6	76.1	114.1#
121	17.8	25.4	38.0#

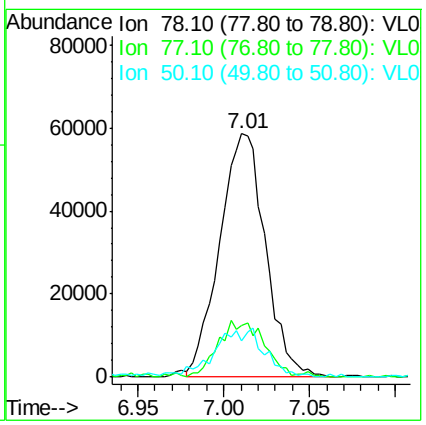


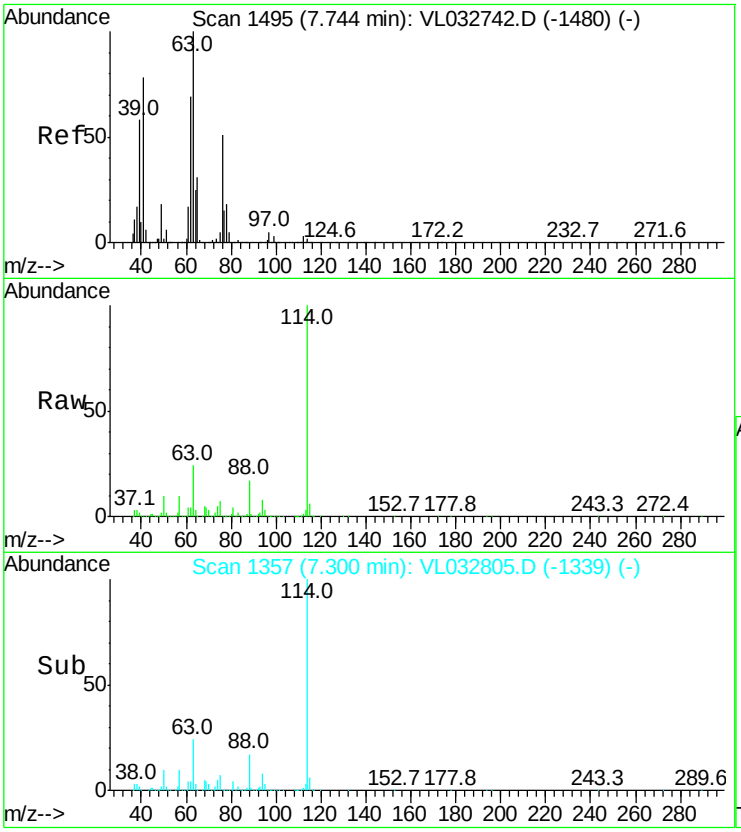


#36
Benzene
Concen: 0.369 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 78 Resp: 108239

Ion	Ratio	Lower	Upper
78	100		
77	21.4	17.8	26.8
50	14.7	15.4	23.0#



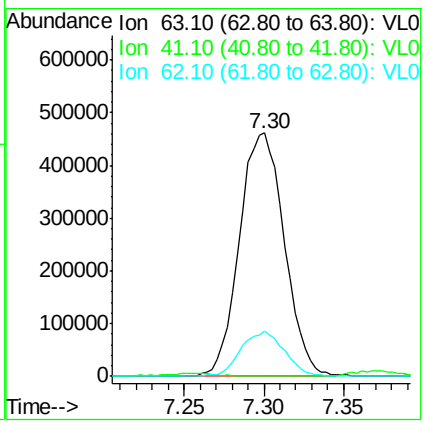


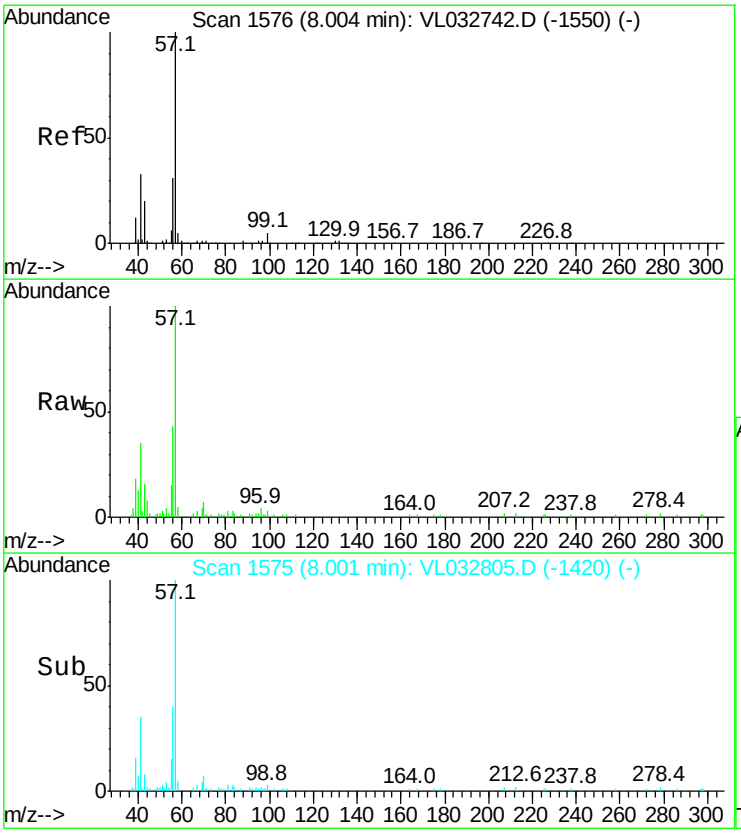
#39
1,2-Dichloropropane
Concen: 7.895 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.44 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion: 63 Resp: 881627

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	18.6	55.4	83.2#

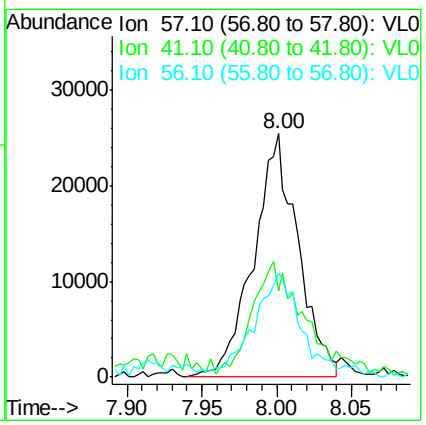


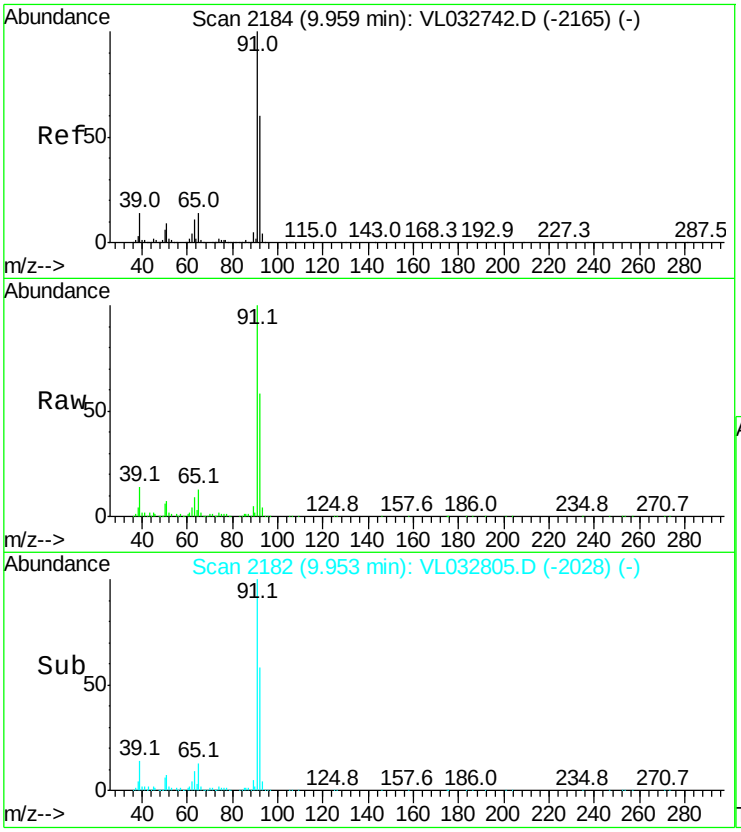


#44
2,2,4-Trimethylpentane
Concen: 0.107 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 57 Resp: 52632

Ion	Ratio	Lower	Upper
57	100		
41	56.1	26.6	39.8#
56	47.7	24.8	37.2#



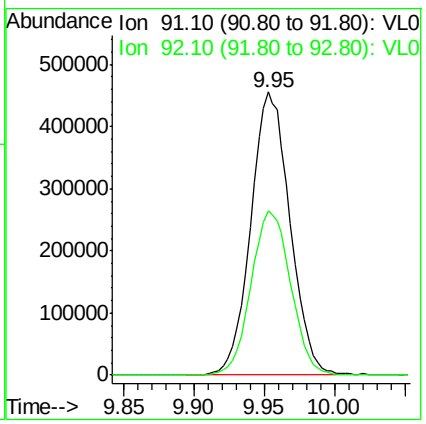


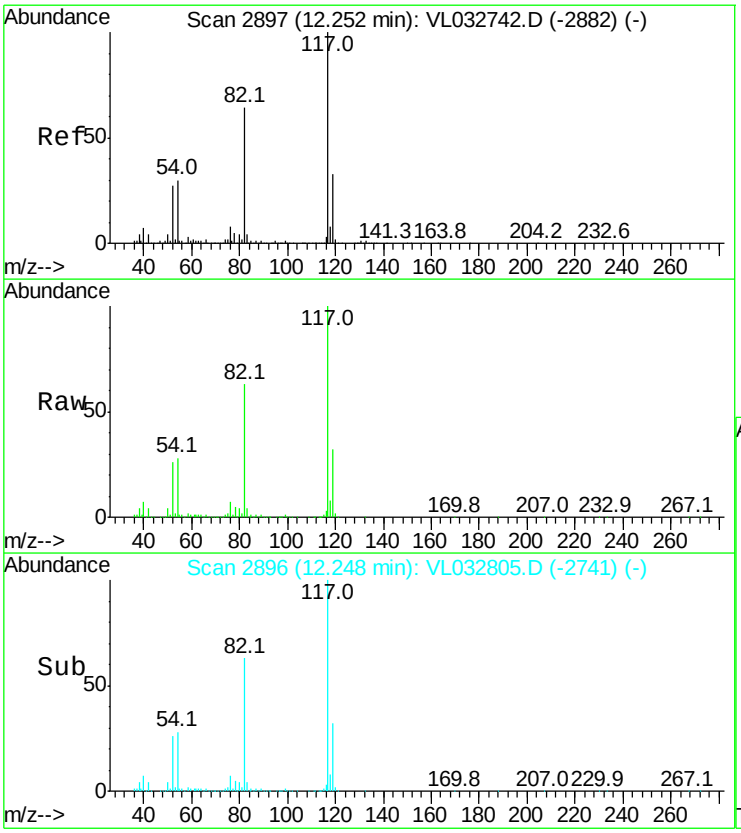
#53
Toluene
Concen: 2.887 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 91 Resp: 882717

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.9	71.9

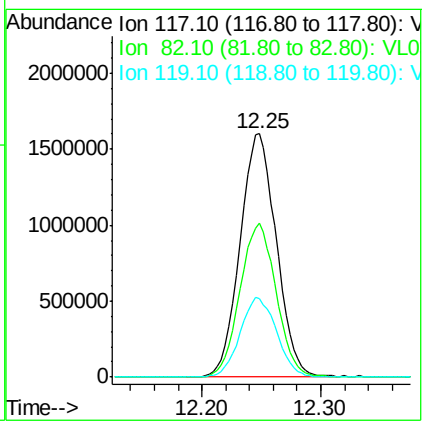


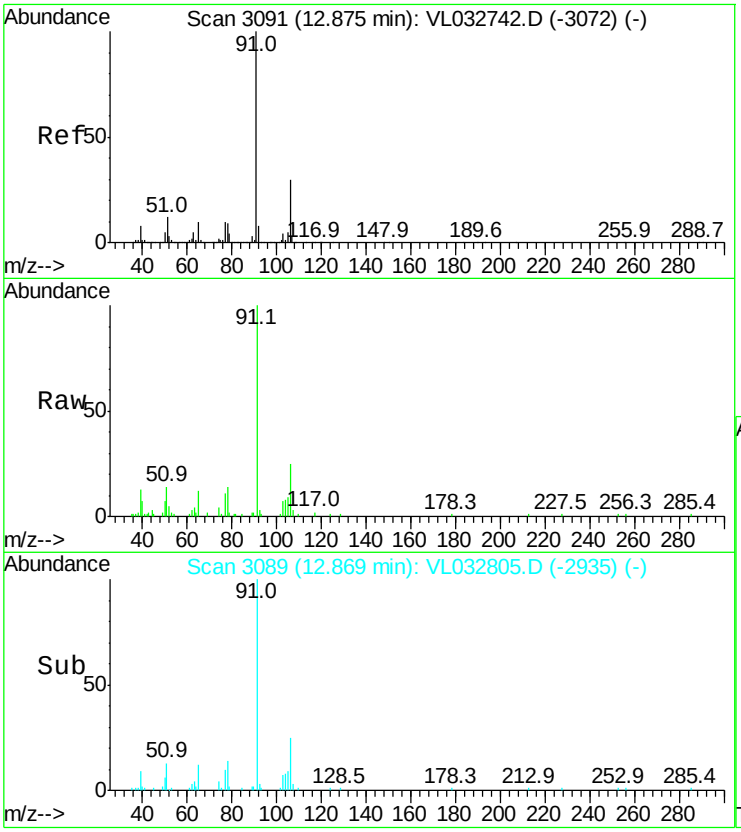


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion:117 Resp: 3388906

Ion	Ratio	Lower	Upper
117	100		
82	63.4	51.0	76.6
119	32.7	28.0	42.0



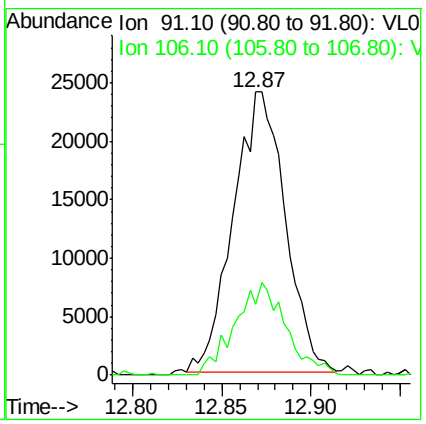


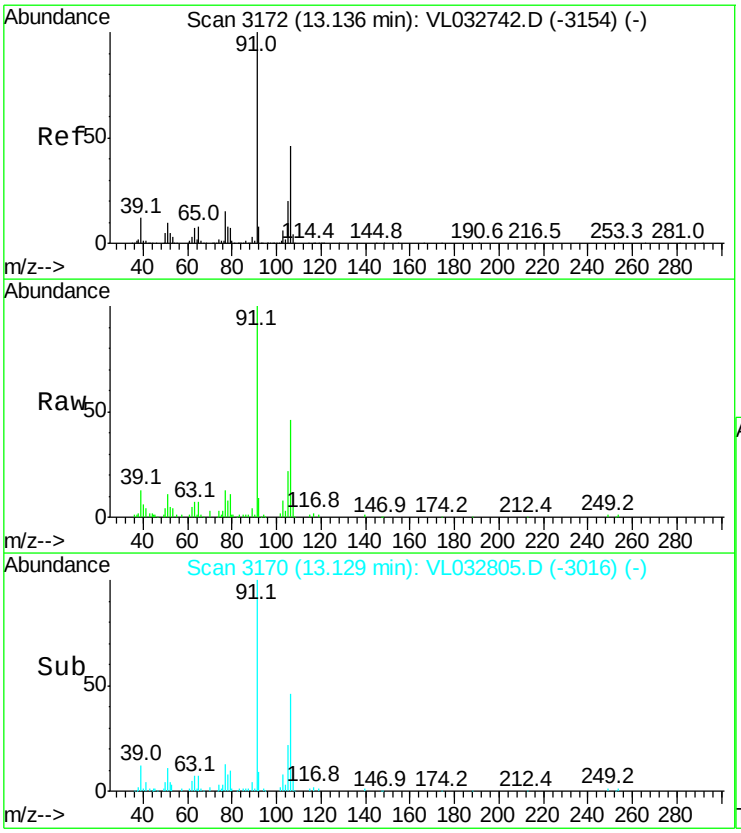
#58
Ethyl Benzene
Concen: 0.119 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion: 91 Resp: 48704

Ion	Ratio	Lower	Upper
91	100		
106	25.4	23.6	35.4

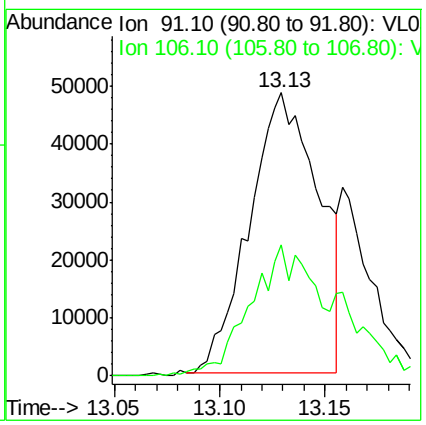


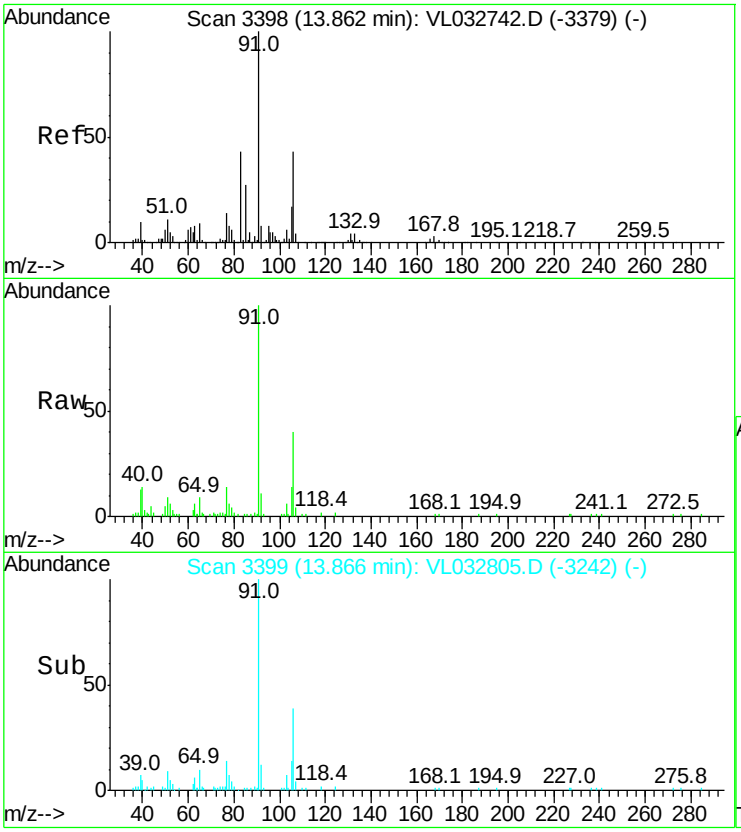


#59
m/p-Xylene
Concen: 0.304 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 91 Resp: 110279

Ion	Ratio	Lower	Upper
91	100		
106	58.3	36.1	54.1#



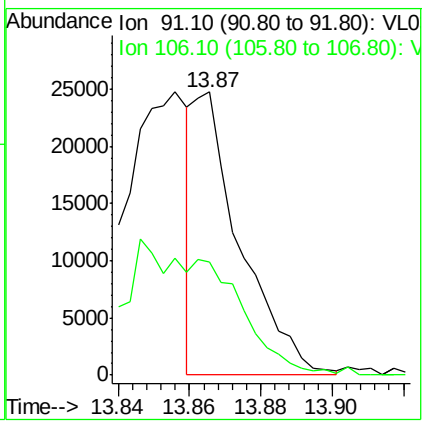


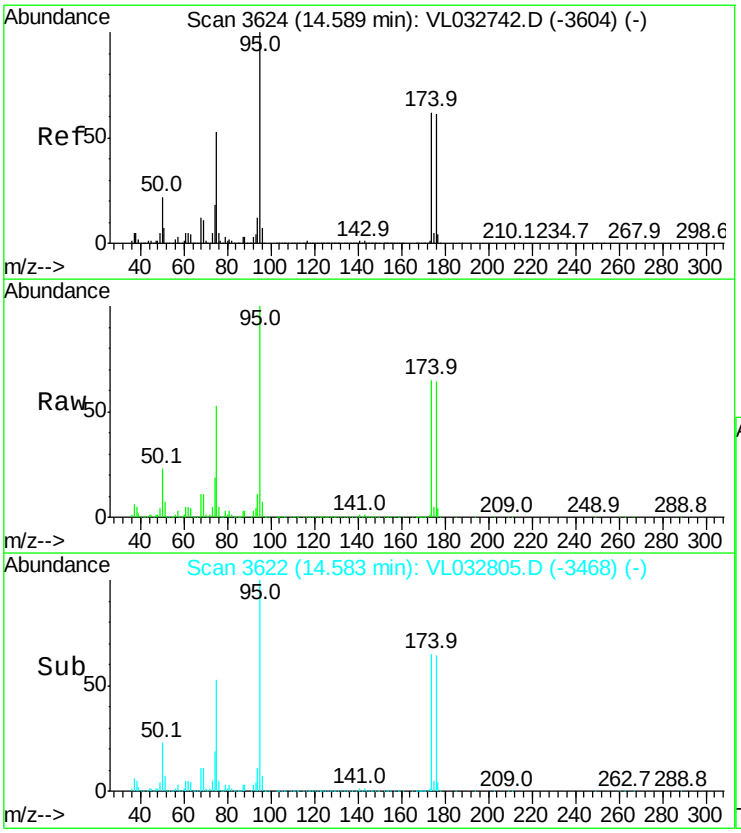
#60
o-Xylene
Concen: 0.061 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument : MSVOA_L
ClientSampleId : EP-104

Tgt Ion: 91 Resp: 22229

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.7#

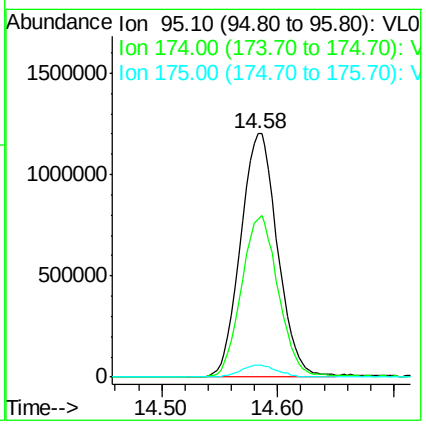


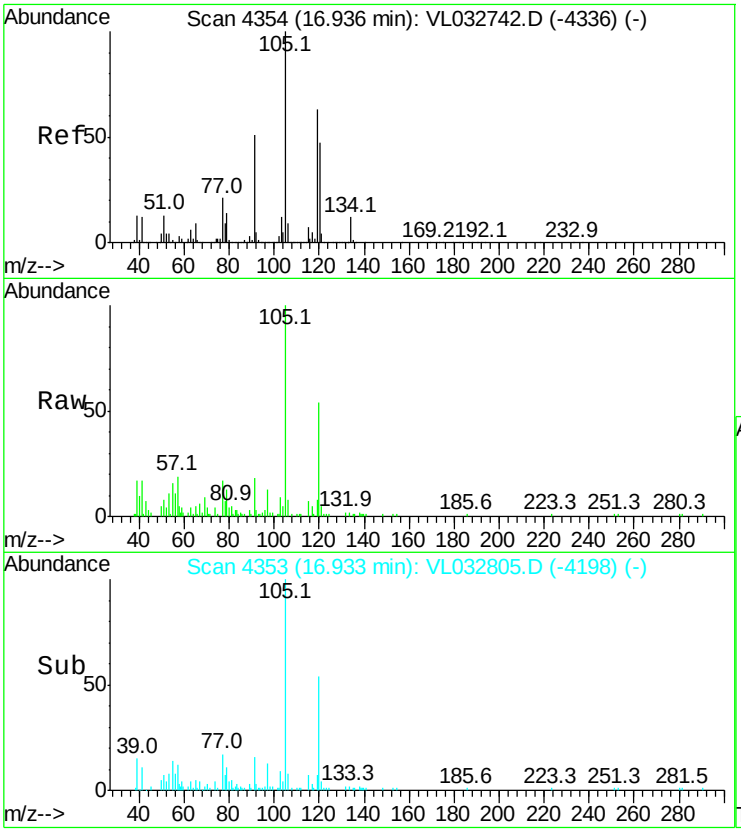


#68
1-Bromo-4-Fluorobenzene
Concen: 10.553 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Tgt Ion: 95 Resp: 2674986

Ion	Ratio	Lower	Upper
95	100		
174	66.2	50.7	76.1
175	5.0	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.161 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL032805.D
Acq: 21 Nov 2018 8:31

Instrument :
MSVOA_L
ClientSampleId :
EP-104

Tgt Ion:105 Resp: 67216

Ion	Ratio	Lower	Upper
105	100		
120	58.3	37.6	56.4#
91	18.6	42.5	63.7#
77	15.5	17.4	26.2#