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

Quantitation Report (Not Reviewed)

Data File : VL032804.D
Acq On : 21 Nov 2018 7:51
Operator : SY/AP
Sample : J5998-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP-103

Quant Time: Nov 21 09:14:40 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	1334390	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3461190	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3310618	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2371851	9.58	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	56339	0.294	ppbv		95
3) Chlorodifluoromethane	3.02	51	57628	0.545	ppbv	#	82
4) Chloromethane	3.18	50	29977	0.511	ppbv		99
5) Vinyl Chloride	3.30	62	8774	0.141	ppbv		98
9) Propene	3.06	41	46156	1.090	ppbv	#	75
10) Heptane	8.25	43	15191	0.094	ppbv		98
11) Trichlorofluoromethane	4.01	101	49788	0.275	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	8310	0.056	ppbv	#	14
13) Ethanol	3.72	45	11576463	834.839	ppbv	#	1
15) Acetone	3.91	43	1958158	16.069	ppbv		95
16) 1,3-Butadiene	3.35	39	25543	0.541	ppbv	#	26
19) Isopropyl Alcohol	4.12	45	1615318	19.898	ppbv		99
20) Methylene Chloride	4.42	84	190291	3.016	ppbv		96
21) Allyl Chloride	4.49	41	6026	0.059	ppbv	#	19
23) Vinyl Acetate	5.16	43	177400	0.799	ppbv	#	90
25) Ethyl Acetate	5.78	43	253846	0.894	ppbv	#	96
26) Hexane	5.79	57	166399	1.316	ppbv	#	74
29) Chloroform	5.86	83	55973	0.248	ppbv		87
30) Cyclohexane	7.25	84	3659	0.033	ppbv	#	1
34) 2-Butanone	5.34	43	123855	0.690	ppbv		98
35) Carbon Tetrachloride	7.14	117	18870	0.068	ppbv		97
36) Benzene	7.01	78	75627	0.274	ppbv	#	96
38) Trichloroethene	7.97	130	17862	0.160	ppbv		94
39) 1,2-Dichloropropane	7.30	63	839787	7.997	ppbv	#	23
41) Tetrahydrofuran	6.16	42	4294	0.042	ppbv	#	35
44) 2,2,4-Trimethylpentane	8.00	57	27483	0.060	ppbv	#	48
53) Toluene	9.95	91	831205	2.891	ppbv		98
56) 1,1,1,2-Tetrachloroethane	11.83	131	44122	0.286	ppbv	#	1
59) m/p-Xylene	13.14	91	20496	0.058	ppbv	#	1
61) Styrene	13.70	104	14708	0.063	ppbv	#	38

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

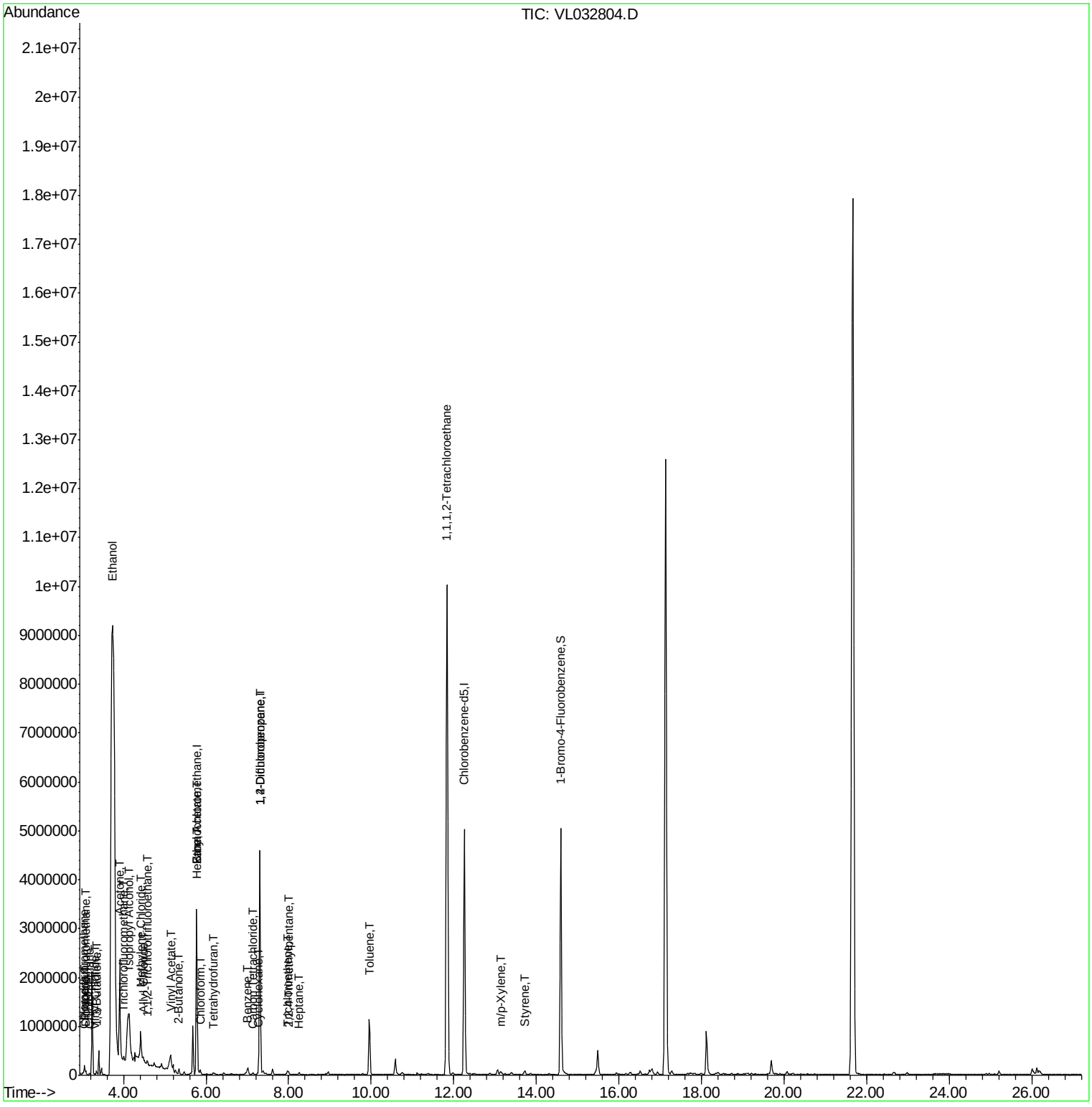
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112018\

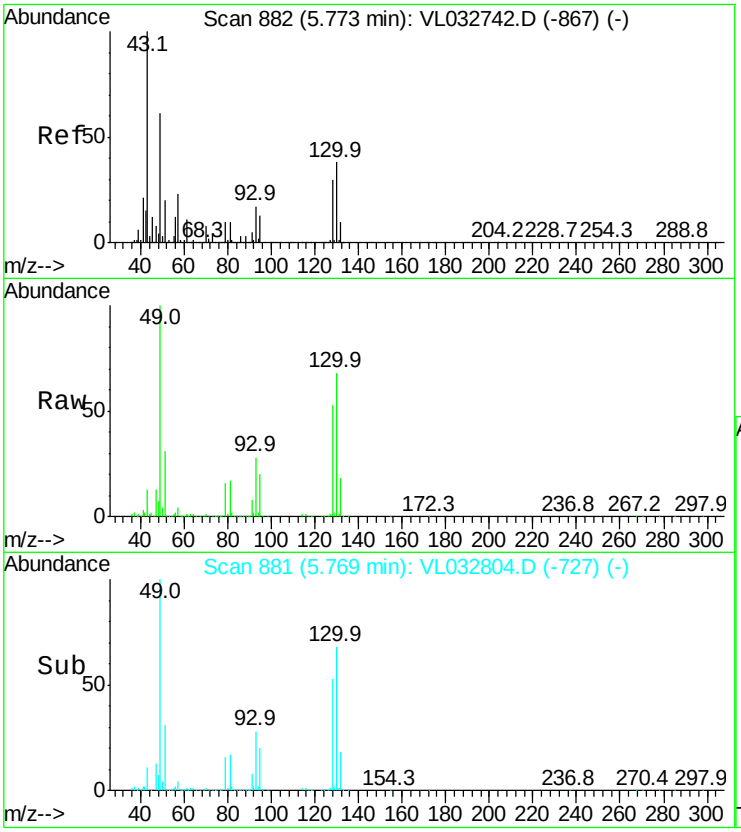
Quantitation Report (Not Reviewed)

Data File : VL032804.D
Acq On : 21 Nov 2018 7:51
Operator : SY/AP
Sample : J5998-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP-103

Quant Time: Nov 21 09:14:40 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



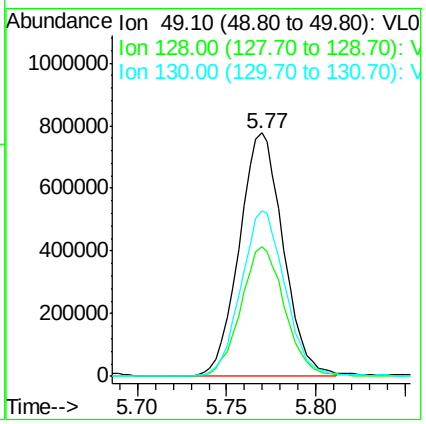


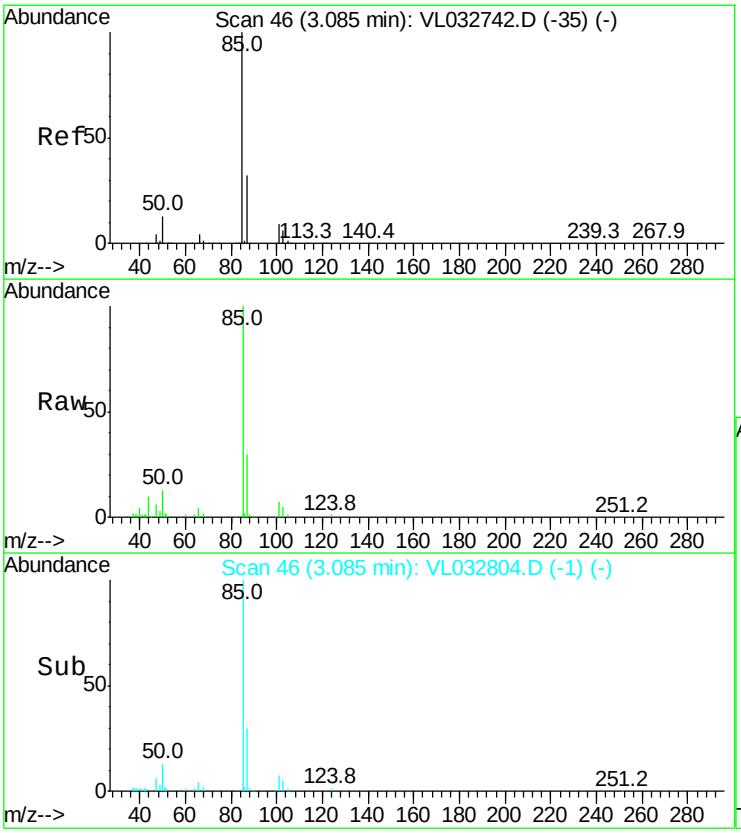
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument : MSVOA_L
ClientSampleId : EP-103

Tgt Ion: 49 Resp: 1334390

Ion	Ratio	Lower	Upper
49	100		
128	53.5	24.9	74.6
130	68.8	31.4	94.2

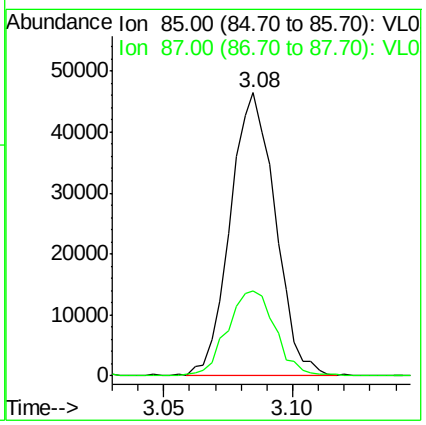


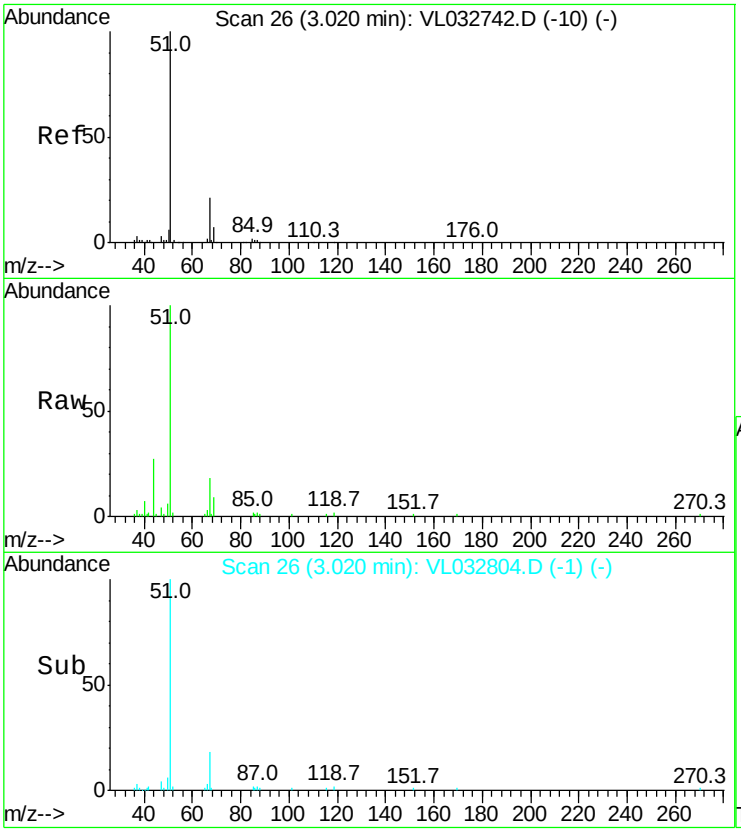


#2
Dichlorodifluoromethane
Concen: 0.294 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 85 Resp: 56339

Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.0	39.0



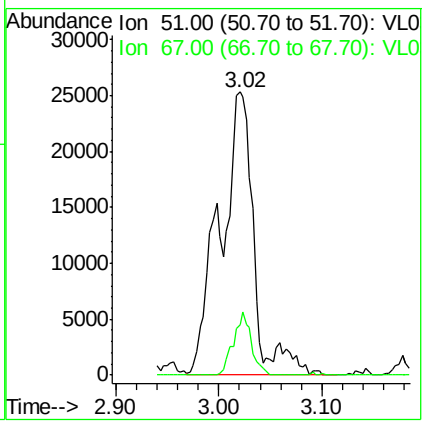


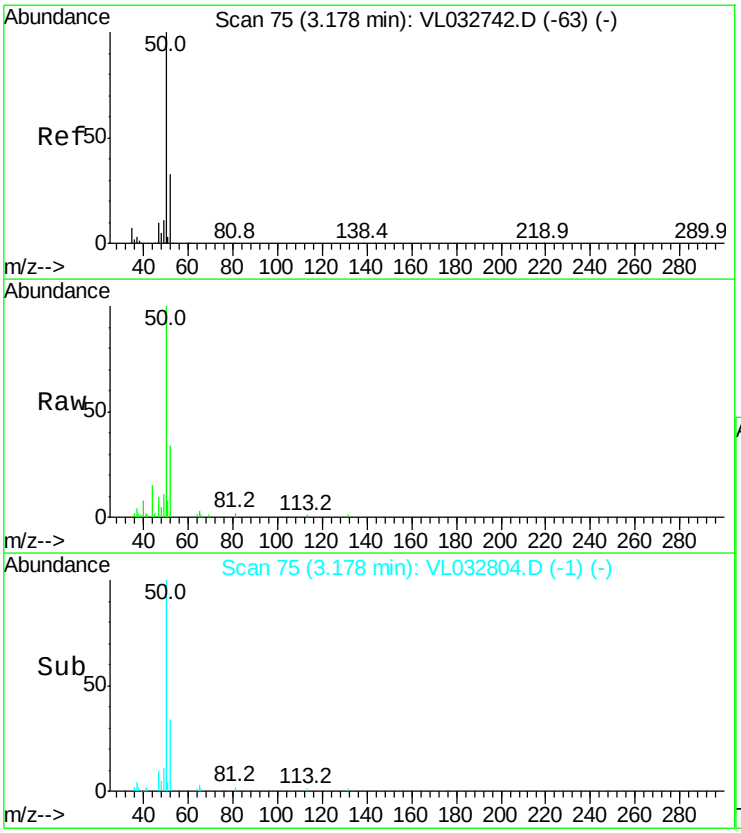
#3
Chlorodifluoromethane
Concen: 0.545 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion: 51 Resp: 57628

Ion	Ratio	Lower	Upper
51	100		
67	11.8	16.1	24.1#

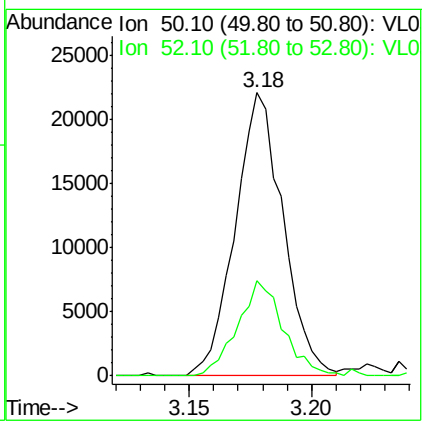


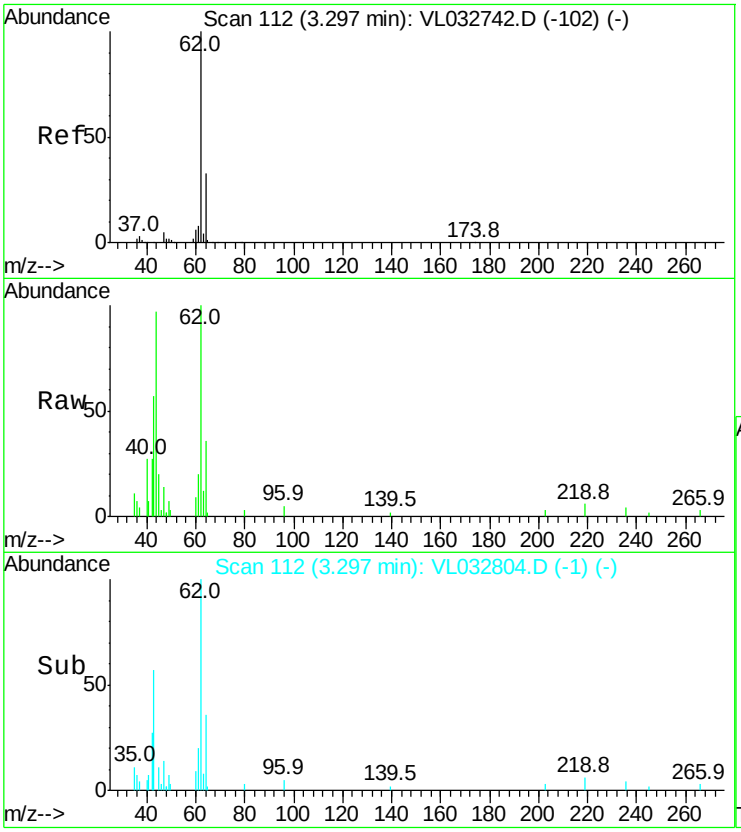


#4
Chloromethane
Concen: 0.511 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 50 Resp: 29977

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.6	40.0



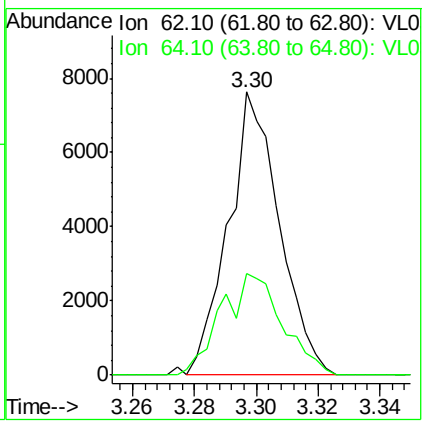


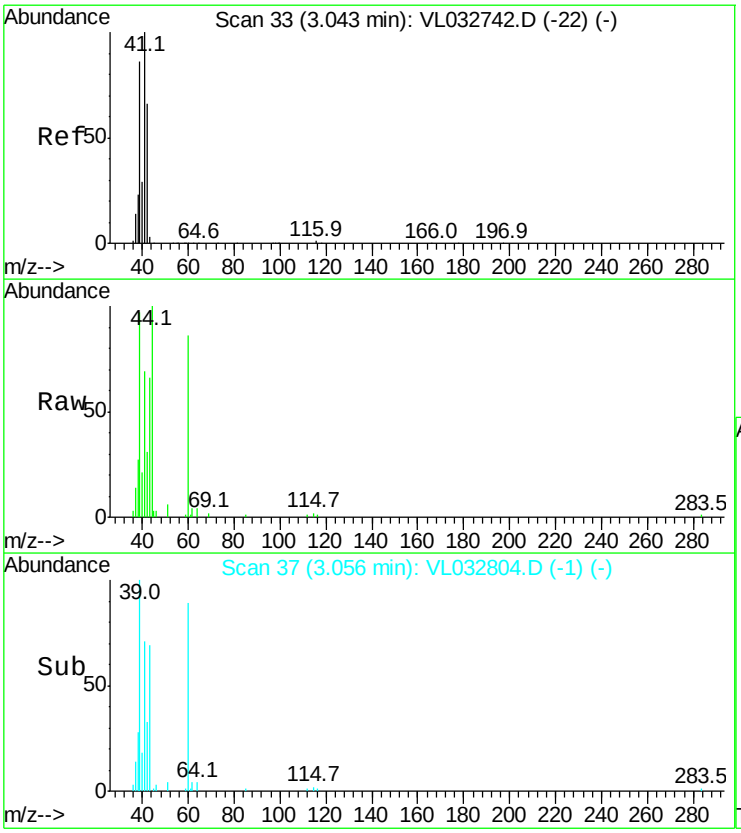
#5
Vinyl Chloride
Concen: 0.141 ppbv
RT: 3.30 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion: 62 Resp: 8774

Ion	Ratio	Lower	Upper
62	100		
64	34.0	26.2	39.4

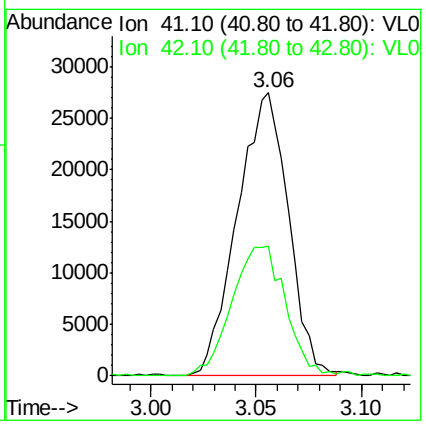


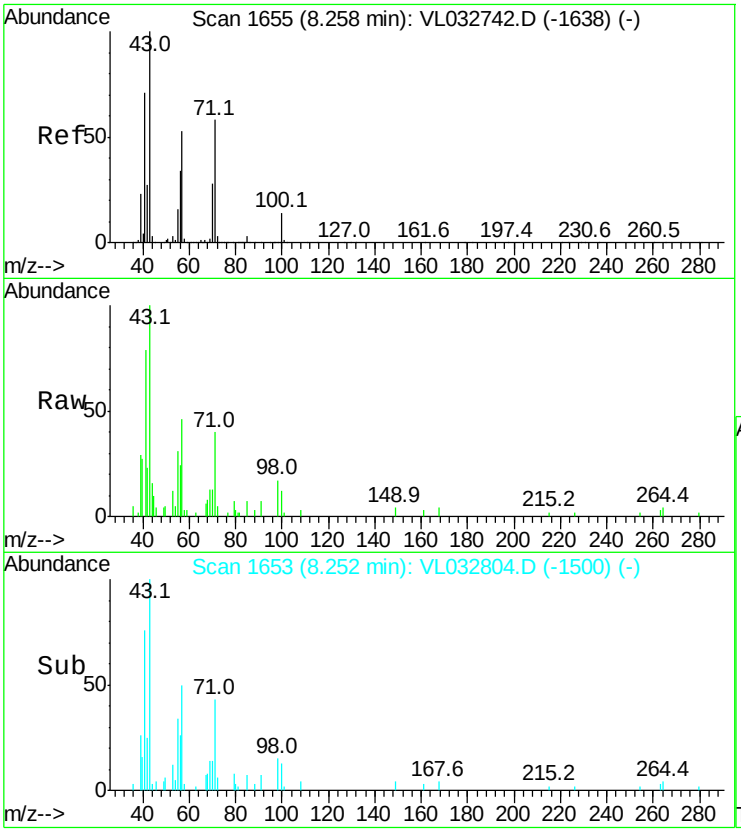


#9
Propene
Concen: 1.090 ppbv
RT: 3.06 min Scan# 37
Delta R.T. 0.01 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 41 Resp: 46156

Ion	Ratio	Lower	Upper
41	100		
42	48.7	55.0	82.6#



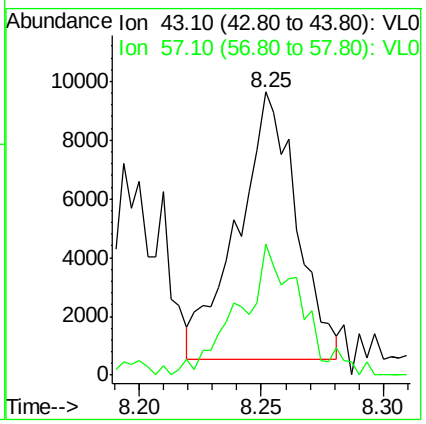


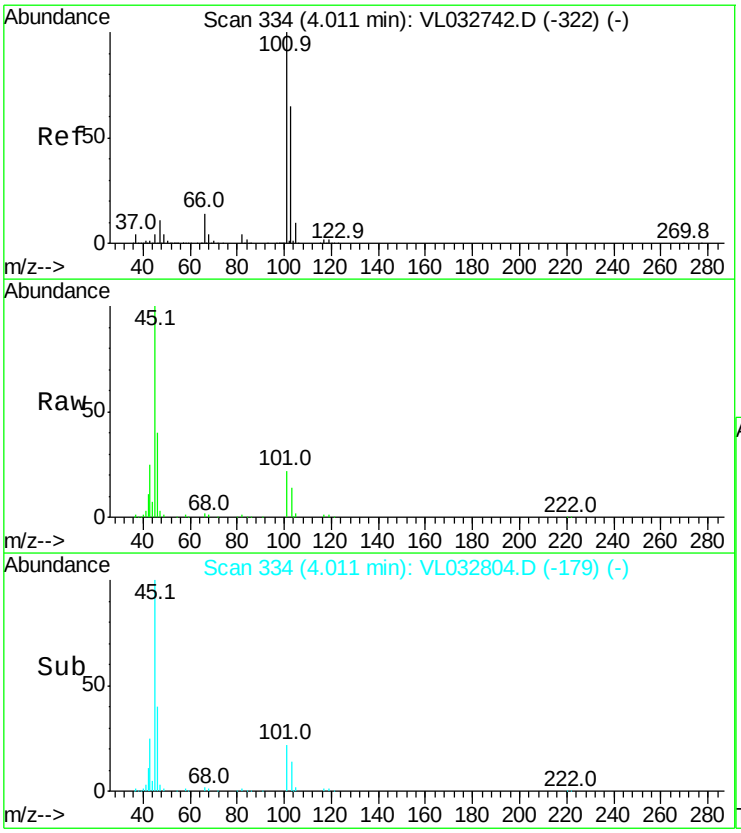
#10
Heptane
Concen: 0.094 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument : MSVOA_L
ClientSampleId : EP-103

Tgt Ion: 43 Resp: 15191

Ion	Ratio	Lower	Upper
43	100		
57	54.0	41.8	62.8

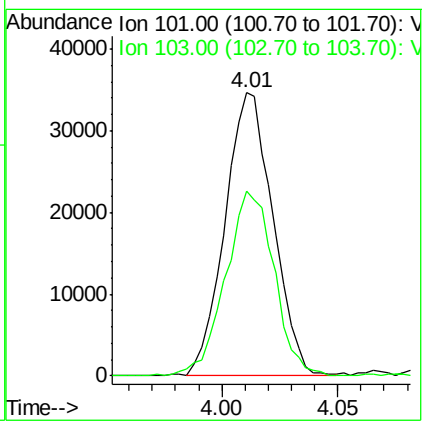


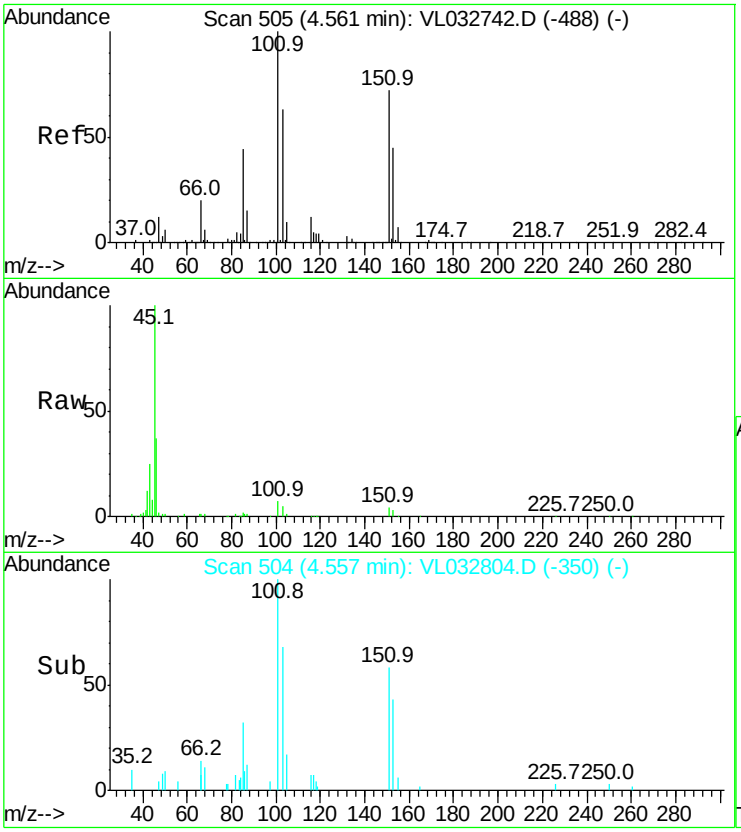


#11
Trichlorofluoromethane
Concen: 0.275 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion:101 Resp: 49788

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.6	77.4



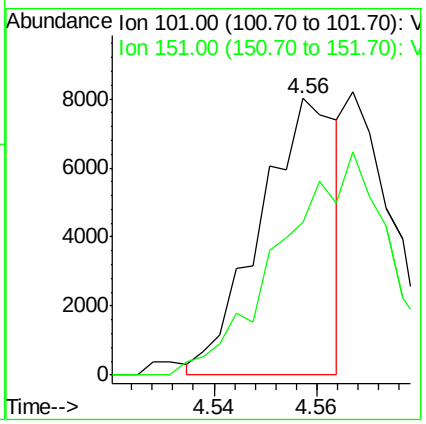


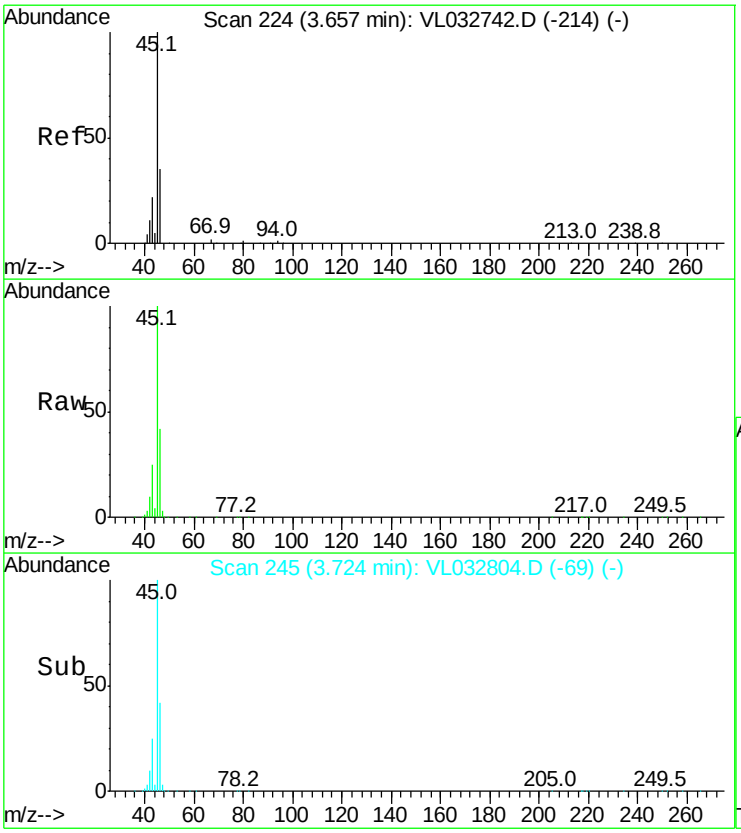
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.056 ppbv
RT: 4.56 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument : MSVOA_L
ClientSampleId : EP-103

Tgt Ion:101 Resp: 8310

Ion	Ratio	Lower	Upper
101	100		
151	0.0	56.7	85.1#

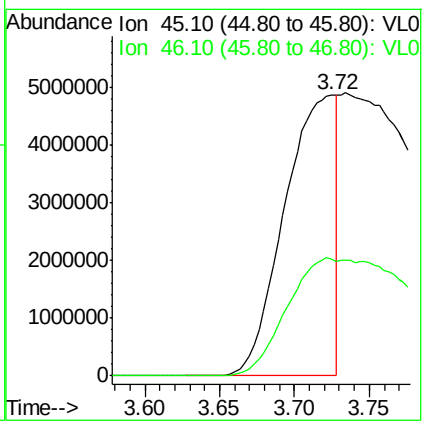


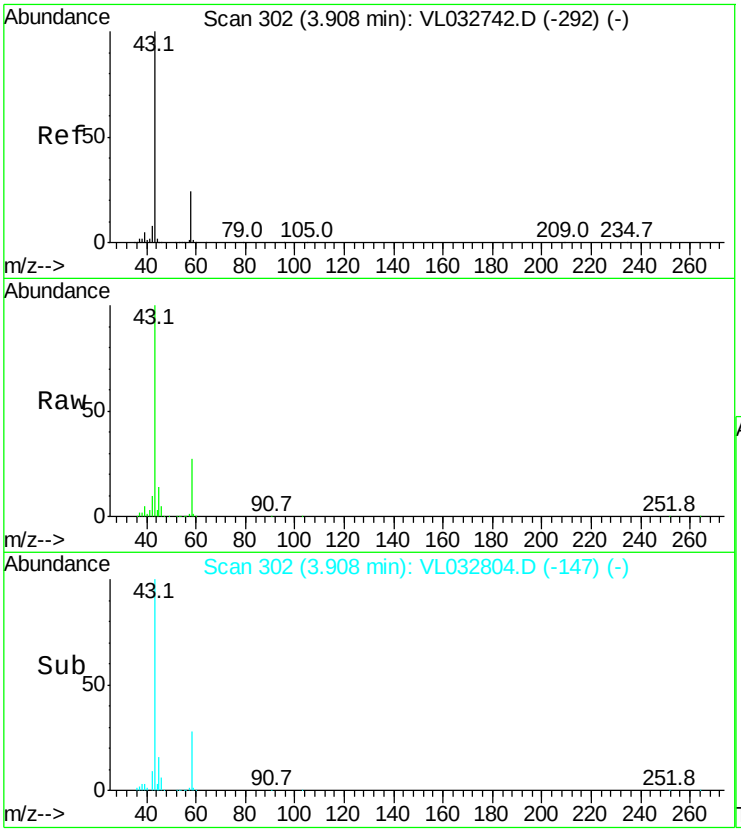


#13
Ethanol
Concen: 834.839 ppbv
RT: 3.72 min Scan# 245
Delta R.T. 0.07 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 45 Resp:11576463

Ion	Ratio	Lower	Upper
45	100		
46	108.7	14.5	57.9#



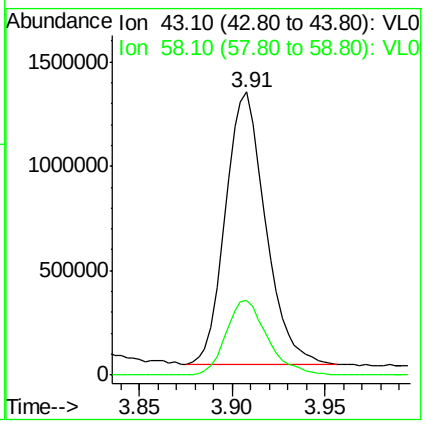


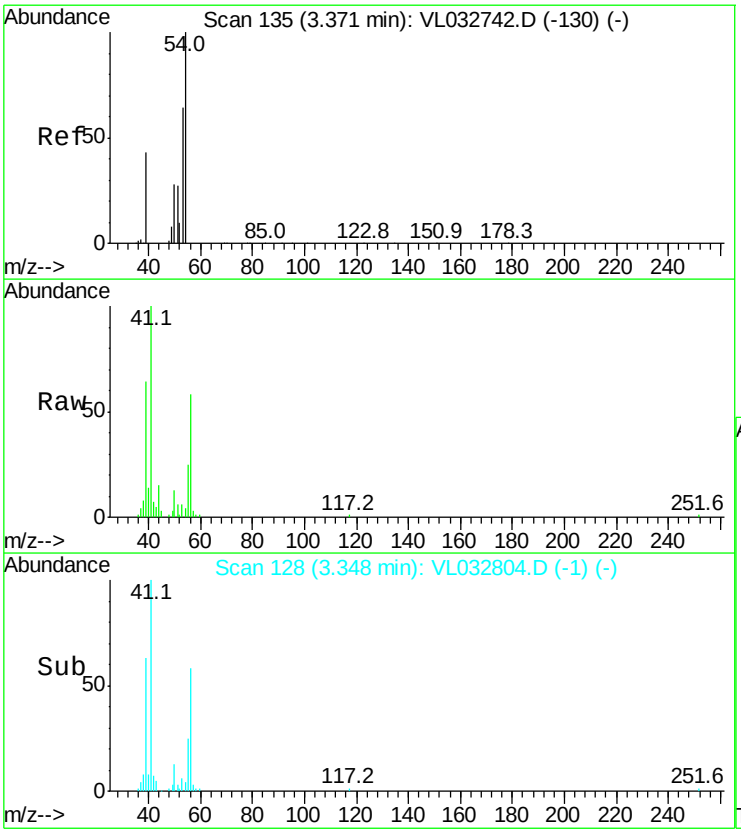
#15
Acetone
Concen: 16.069 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion: 43 Resp: 1958158

Ion	Ratio	Lower	Upper
43	100		
58	28.9	21.1	31.7

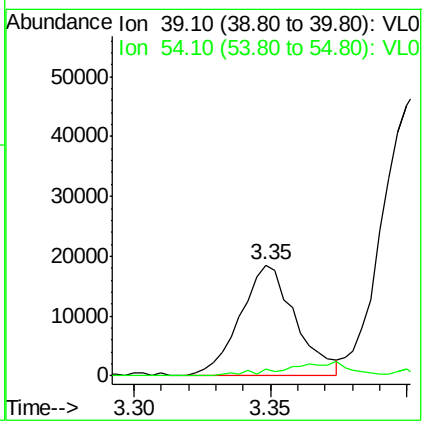


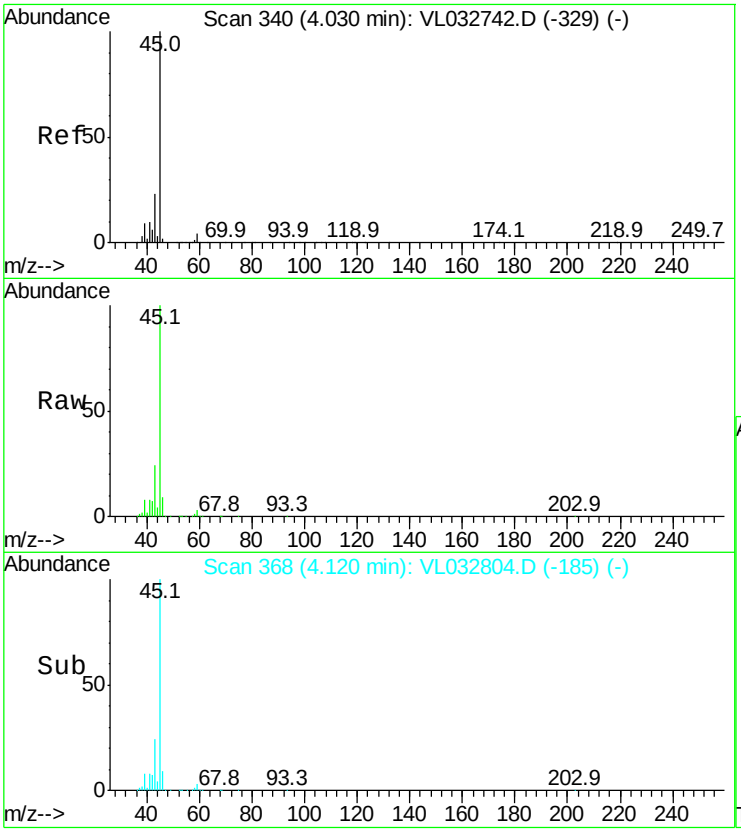


#16
1,3-Butadiene
Concen: 0.541 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 39 Resp: 25543

Ion	Ratio	Lower	Upper
39	100		
54	17.7	68.9	103.3#



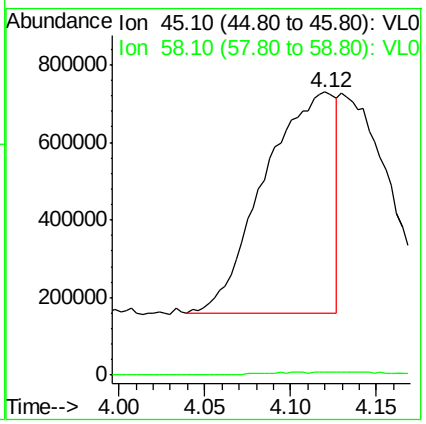


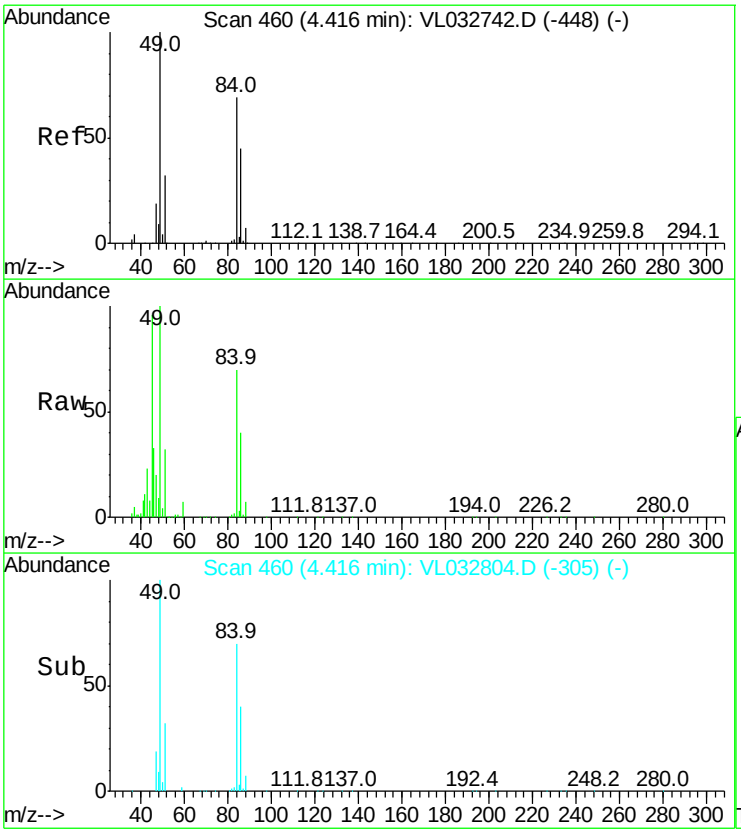
#19
Isopropyl Alcohol
Concen: 19.898 ppbv
RT: 4.12 min Scan# 368
Delta R.T. 0.09 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument : MSVOA_L
ClientSampleId : EP-103

Tgt Ion: 45 Resp: 1615318

Ion	Ratio	Lower	Upper
45	100		
58	1.4	1.4	2.0

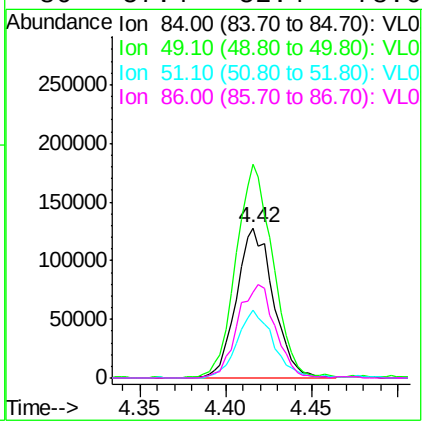


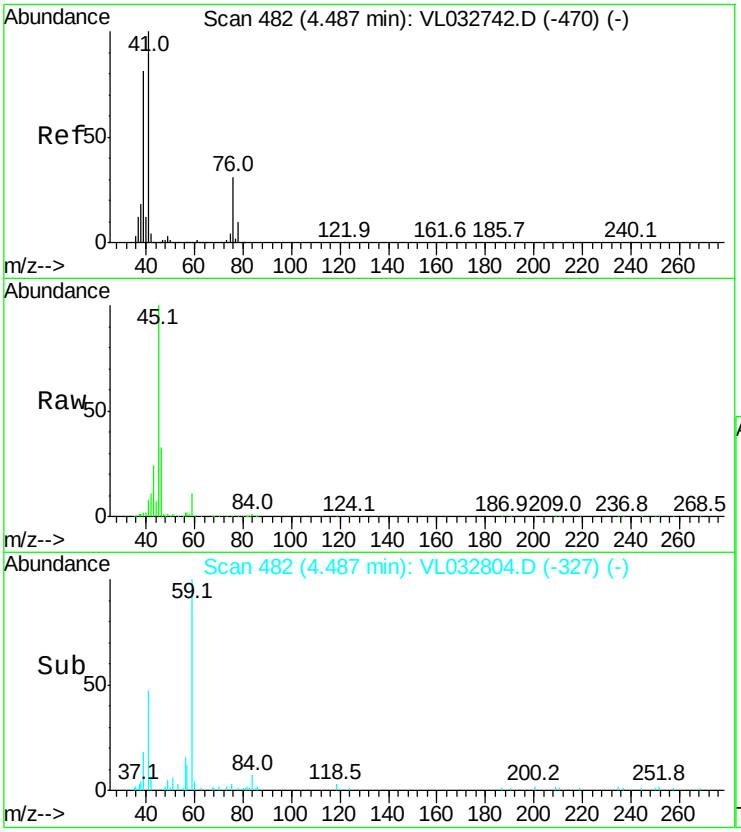


#20
Methylene Chloride
Concen: 3.016 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 84 Resp: 190291

Ion	Ratio	Lower	Upper
84	100		
49	141.9	115.8	173.6
51	45.1	36.9	55.3
86	57.4	52.4	78.6



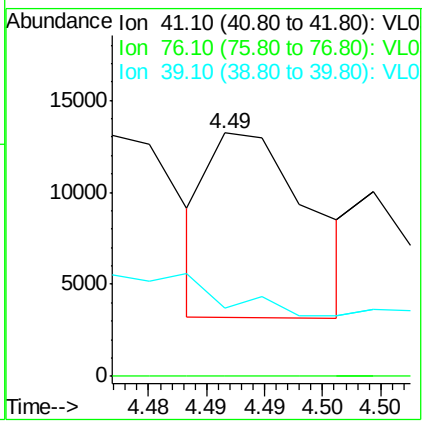


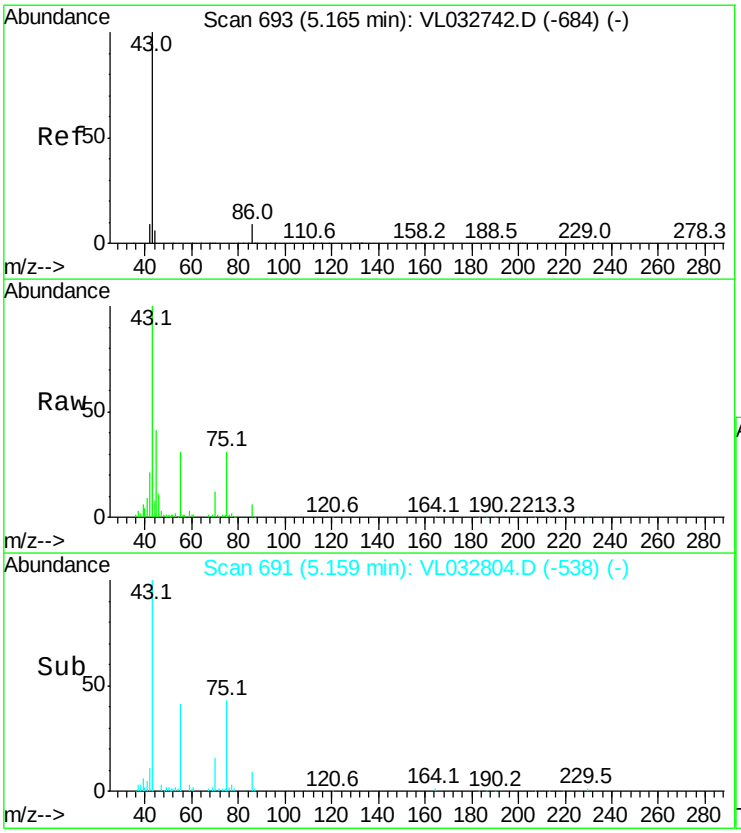
#21
Allyl Chloride
Concen: 0.059 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion: 41 Resp: 6026

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

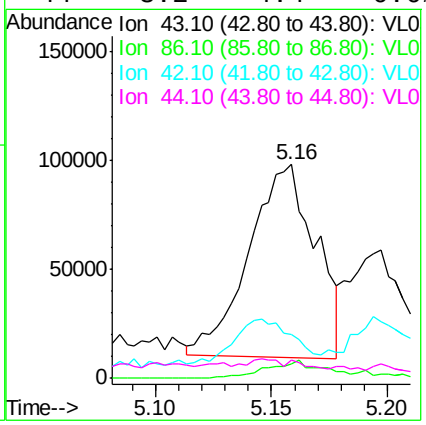


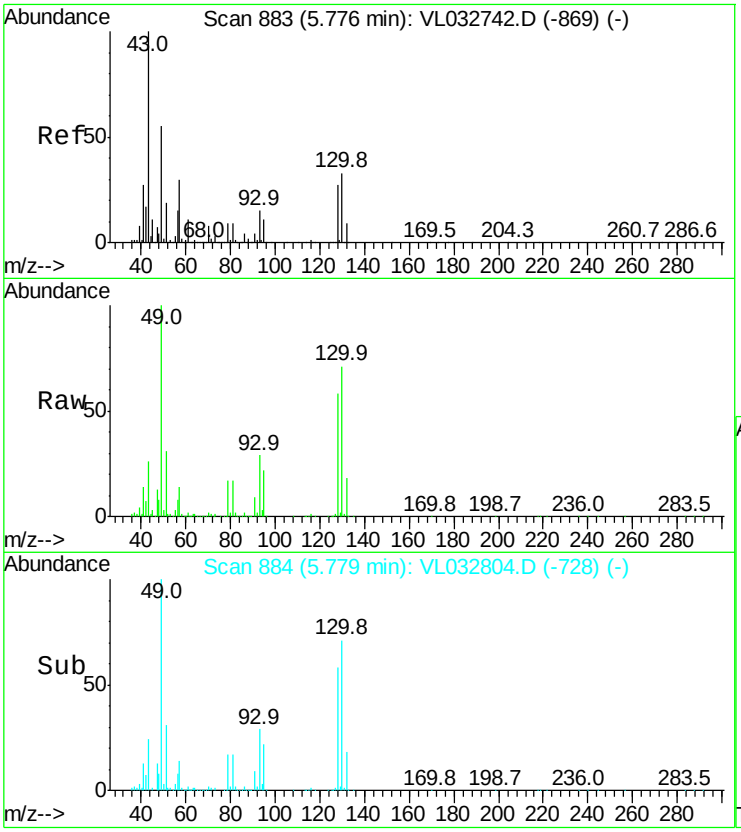


#23
Vinyl Acetate
Concen: 0.799 ppbv
RT: 5.16 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 43 Resp: 177400

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.4
42	16.7	7.8	11.6#
44	3.2	4.4	6.6#



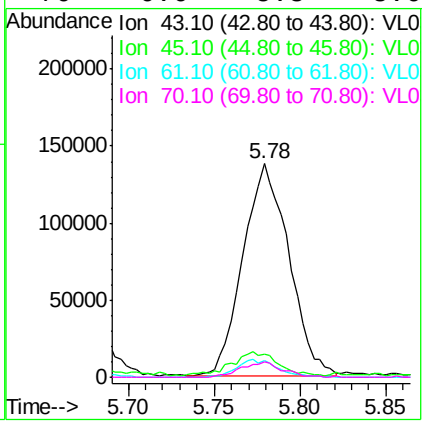


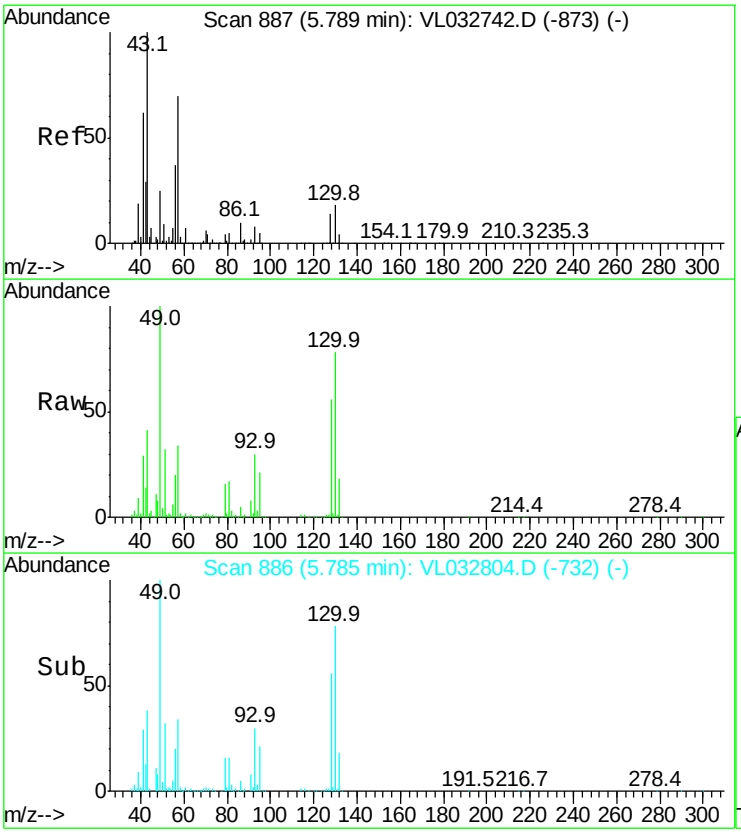
#25
Ethyl Acetate
Concen: 0.894 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion: 43 Resp: 253846

Ion	Ratio	Lower	Upper
43	100		
45	10.9	7.9	11.9
61	7.6	7.8	11.6#
70	6.6	5.8	8.6

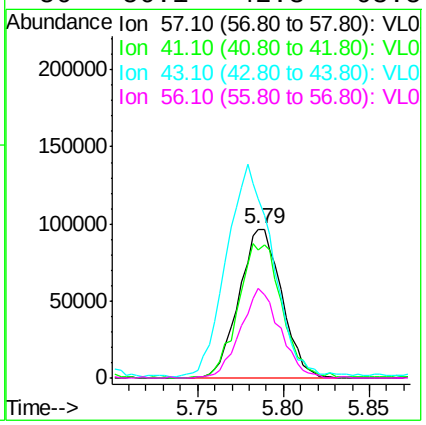


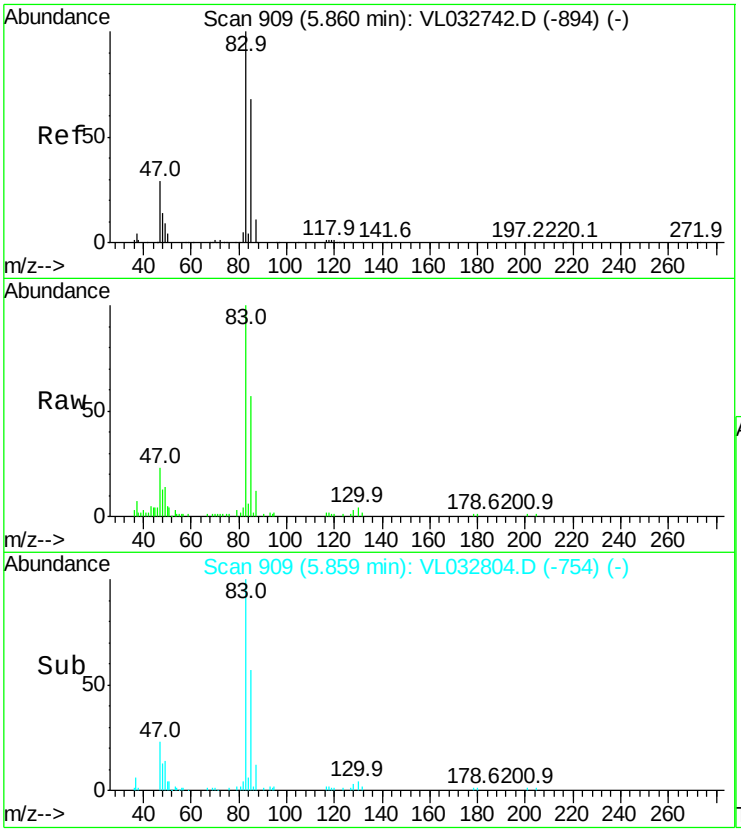


#26
Hexane
Concen: 1.316 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 57 Resp: 166399

Ion	Ratio	Lower	Upper
57	100		
41	91.7	70.3	105.5
43	153.2	174.0	261.0#
56	56.1	42.3	63.5



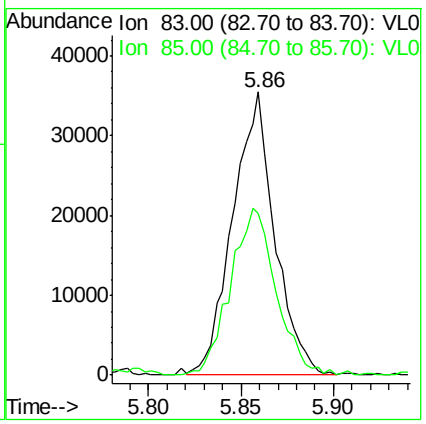


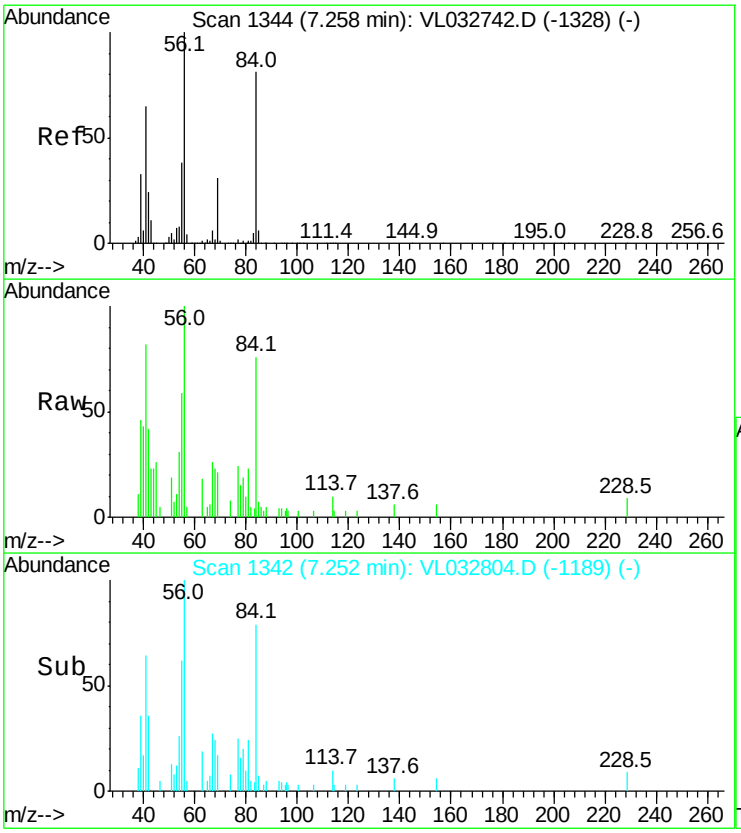
#29
Chloroform
Concen: 0.248 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion: 83 Resp: 55973

Ion	Ratio	Lower	Upper
83	100		
85	57.1	54.2	81.4

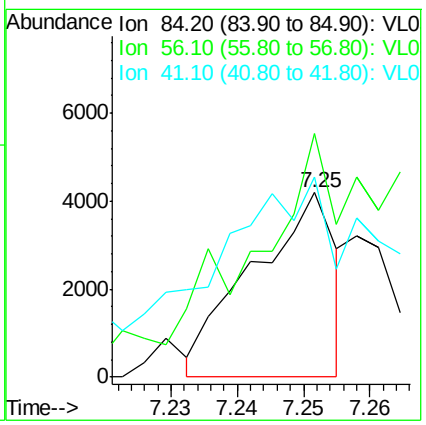


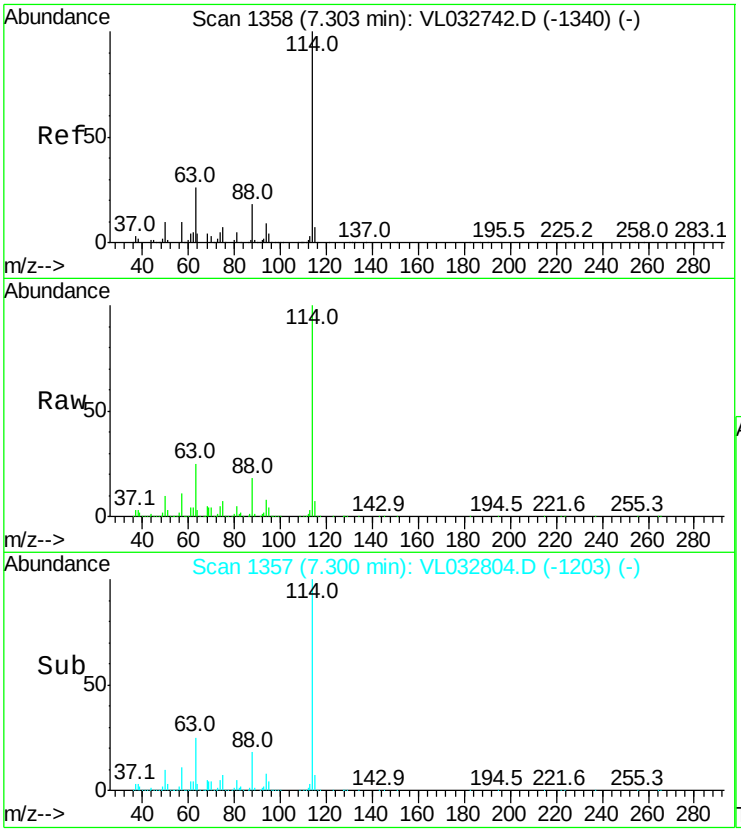


#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 84 Resp: 3659

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	310.4	65.3	97.9#



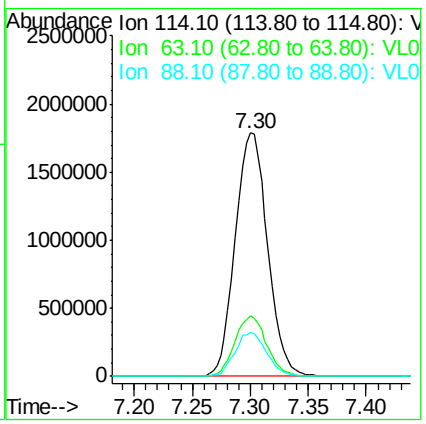


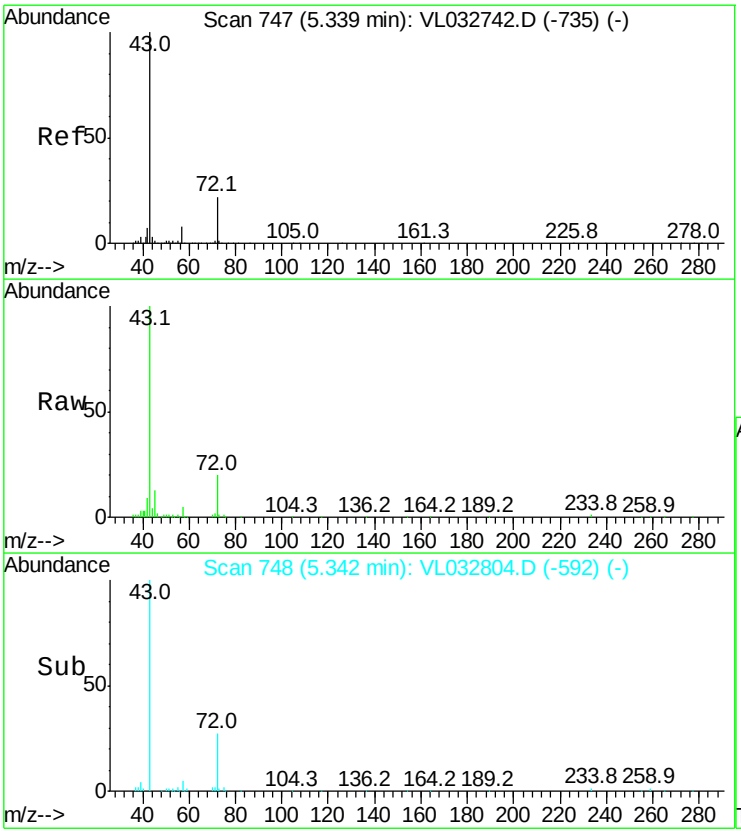
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion:114 Resp: 3461190

Ion	Ratio	Lower	Upper
114	100		
63	24.4	20.9	31.3
88	17.7	14.4	21.6

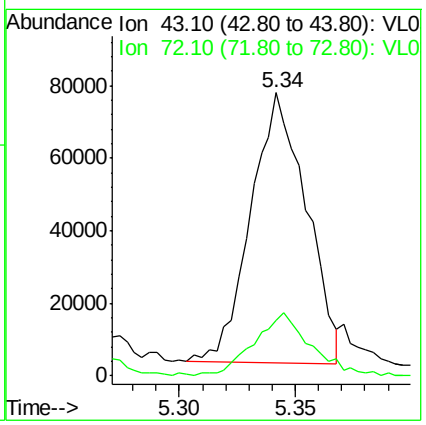


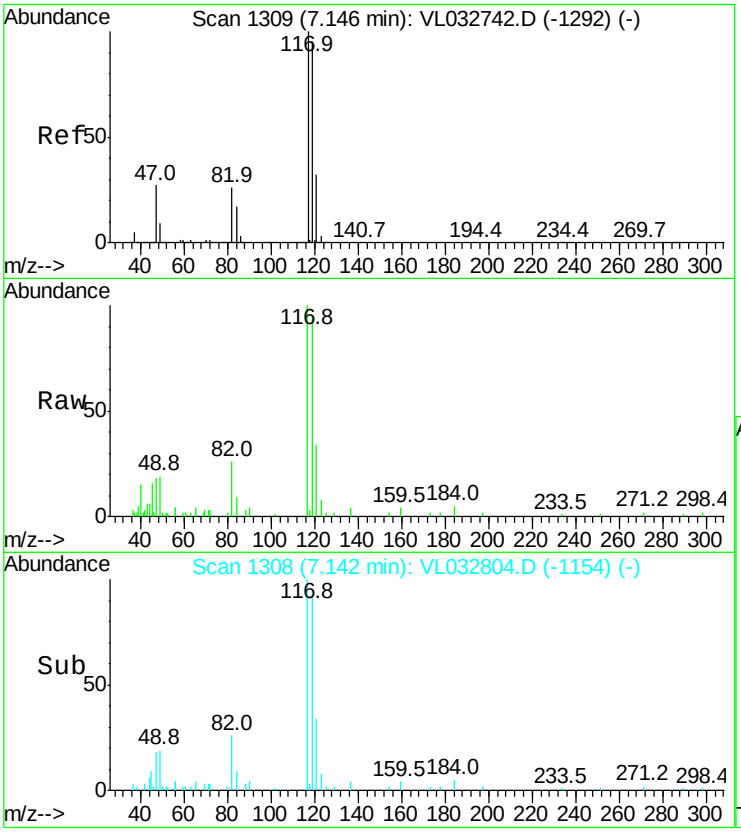


#34
2-Butanone
Concen: 0.690 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 43 Resp: 123855

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6



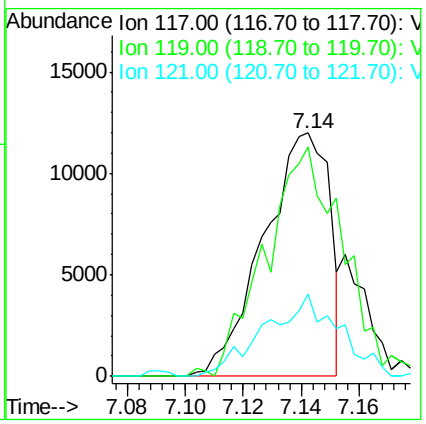


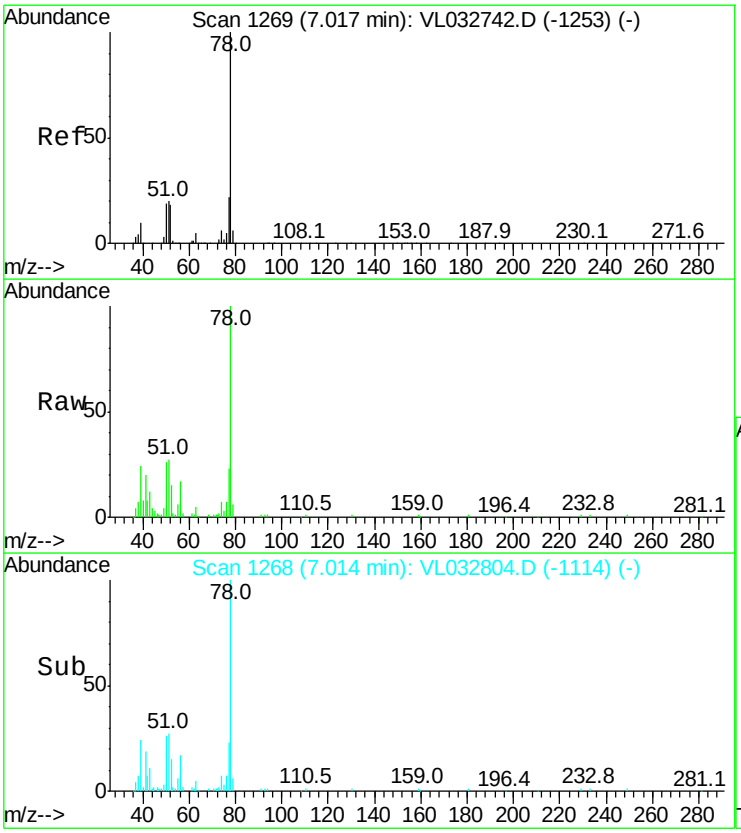
#35
Carbon Tetrachloride
Concen: 0.068 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion:117 Resp: 18870

Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.1	114.1
121	32.7	25.4	38.0

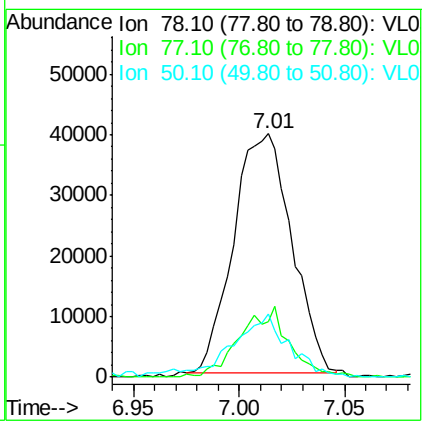


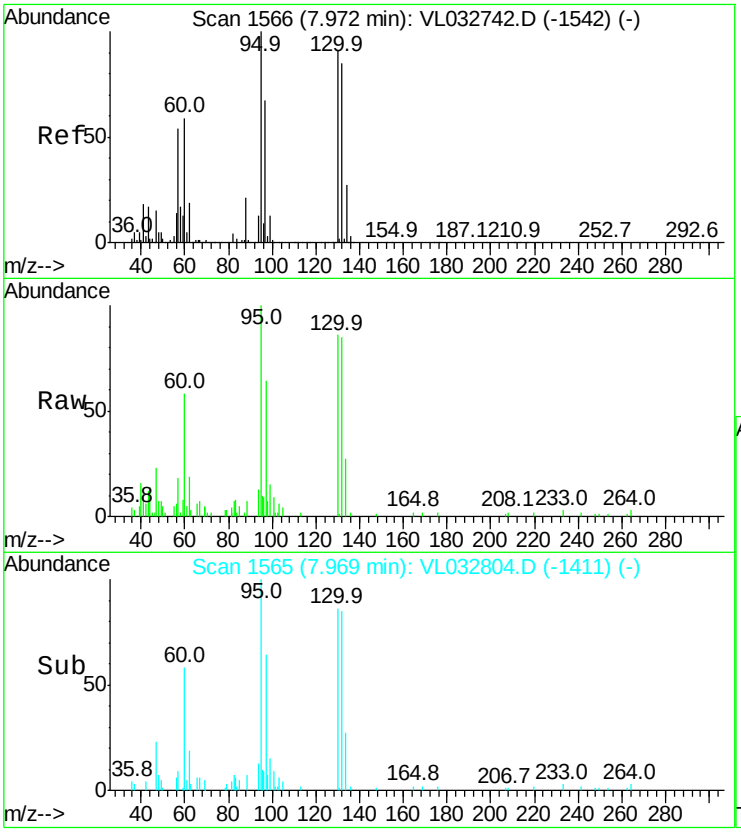


#36
Benzene
Concen: 0.274 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 78 Resp: 75627

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.8	26.8
50	23.1	15.4	23.0#



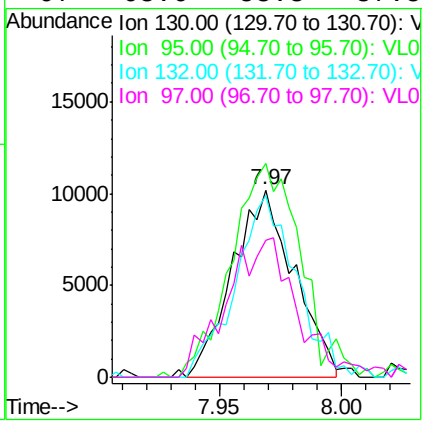


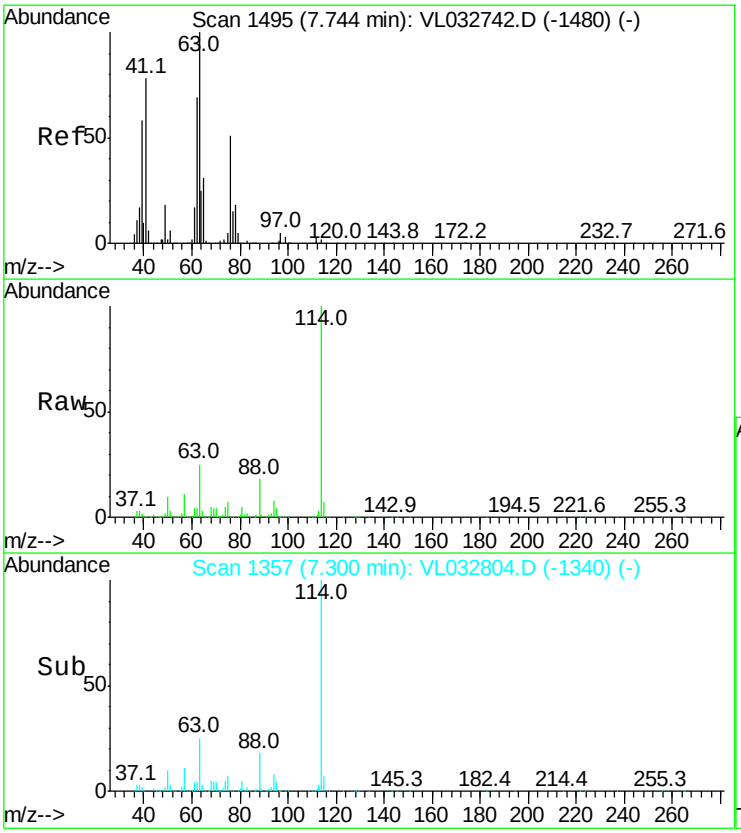
#38
Trichloroethene
Concen: 0.160 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion:130 Resp: 17862

Ion	Ratio	Lower	Upper
130	100		
95	118.4	87.7	131.5
132	96.8	74.6	111.8
97	68.6	58.3	87.5

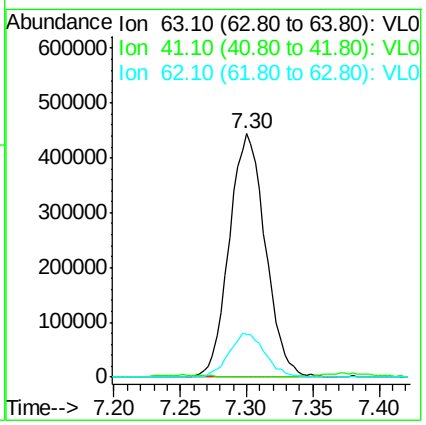


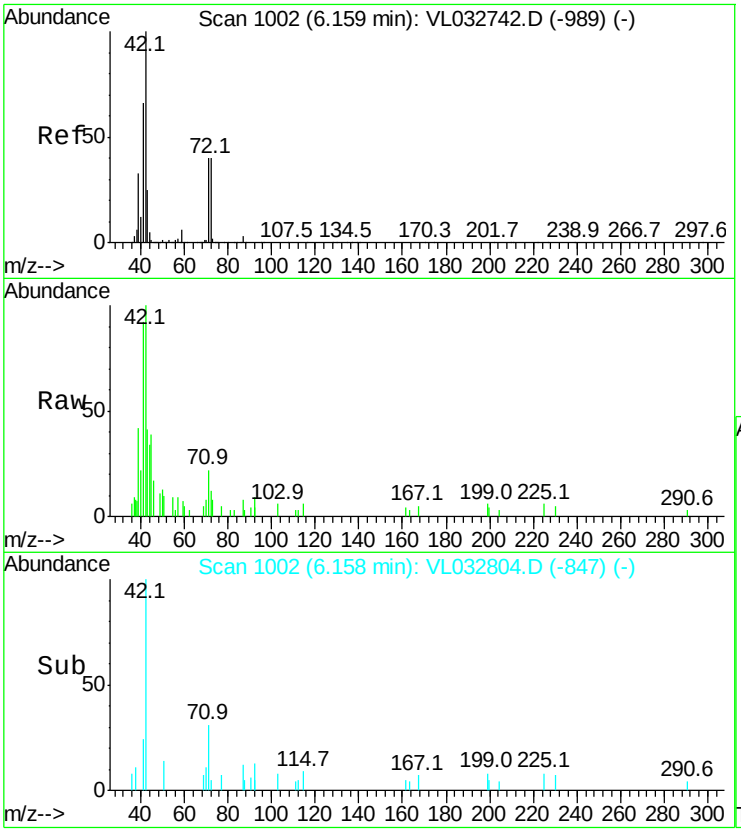


#39
1,2-Dichloropropane
Concen: 7.997 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.44 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 63 Resp: 839787

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	17.5	55.4	83.2#



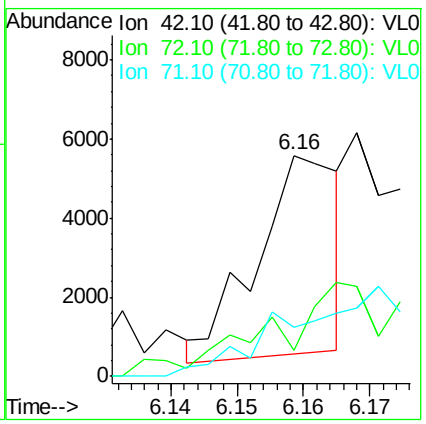


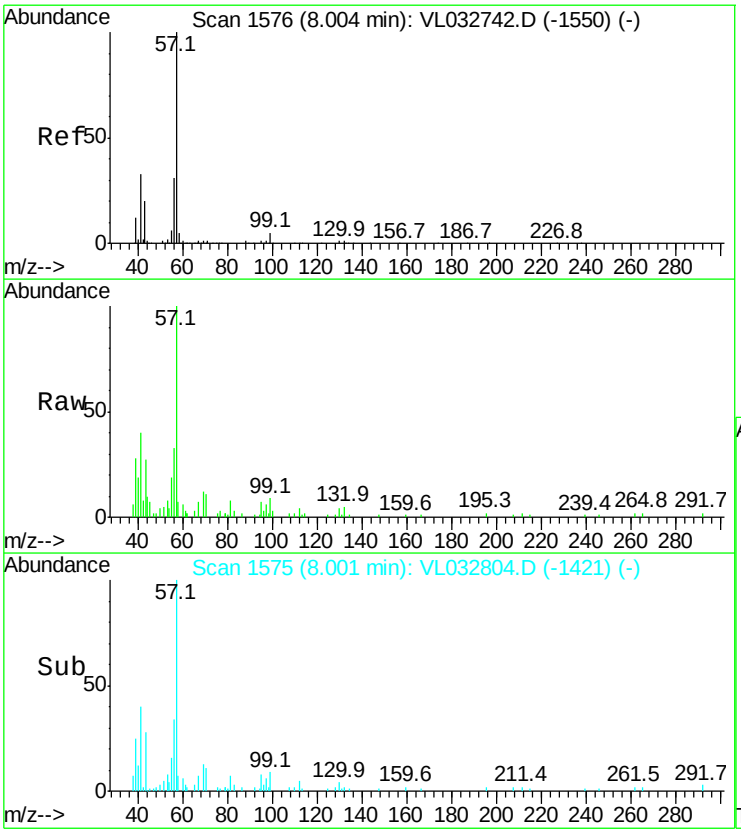
#41
Tetrahydrofuran
Concen: 0.042 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument : MSVOA_L
ClientSampleId : EP-103

Tgt Ion: 42 Resp: 4294

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.4	48.6#
71	0.0	31.6	47.4#

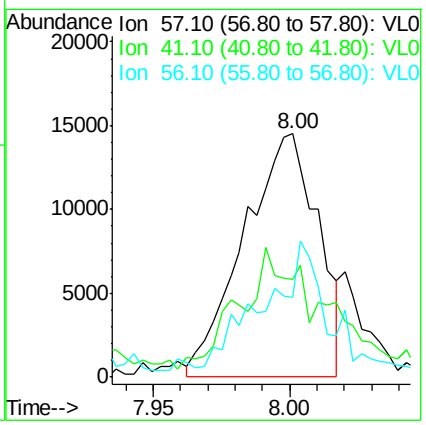


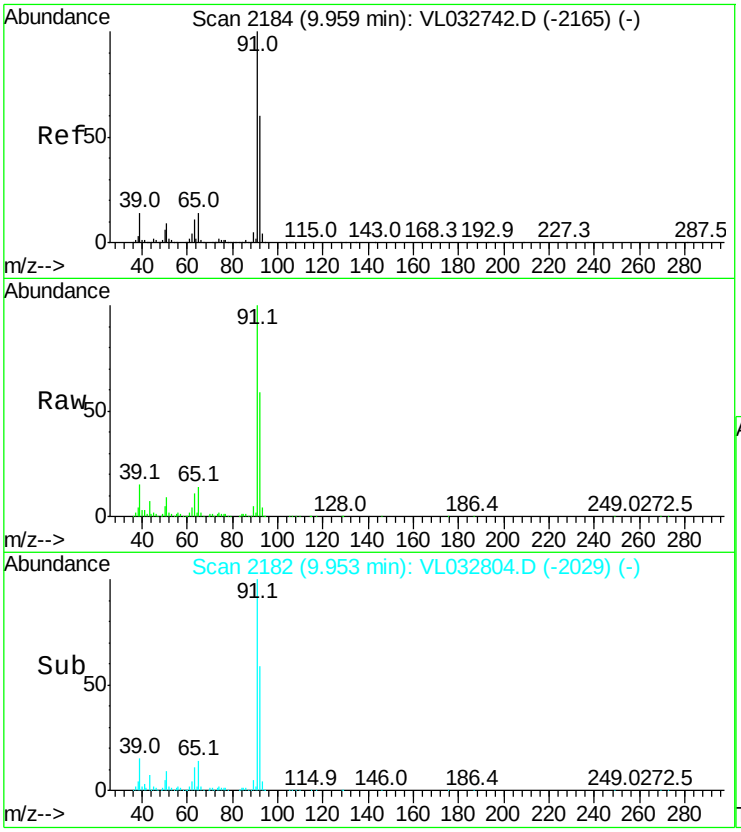


#44
2,2,4-Trimethylpentane
Concen: 0.060 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 57 Resp: 27483

Ion	Ratio	Lower	Upper
57	100		
41	65.5	26.6	39.8#
56	56.9	24.8	37.2#



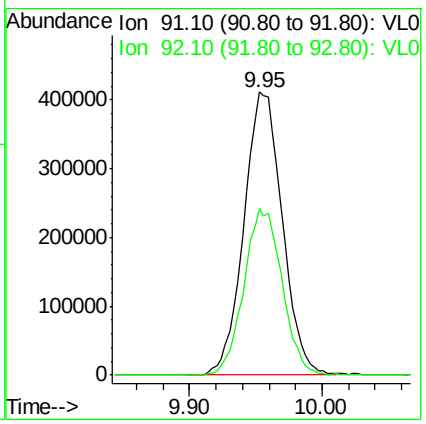


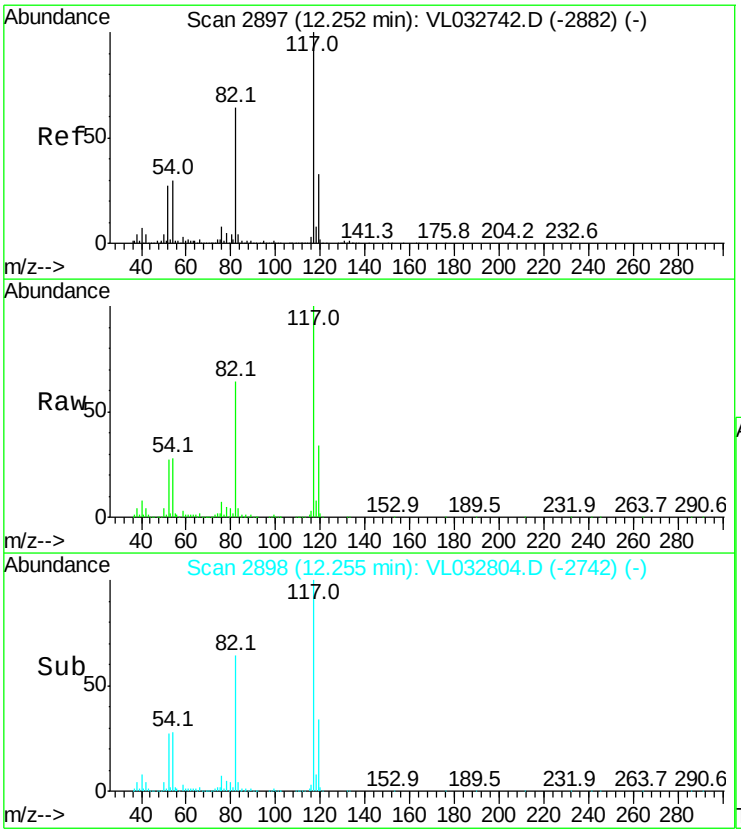
#53
Toluene
Concen: 2.891 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument :
MSVOA_L
ClientSampleId :
EP-103

Tgt Ion: 91 Resp: 831205

Ion	Ratio	Lower	Upper
91	100		
92	58.4	47.9	71.9

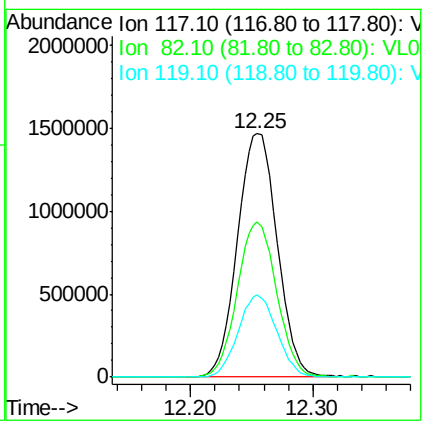


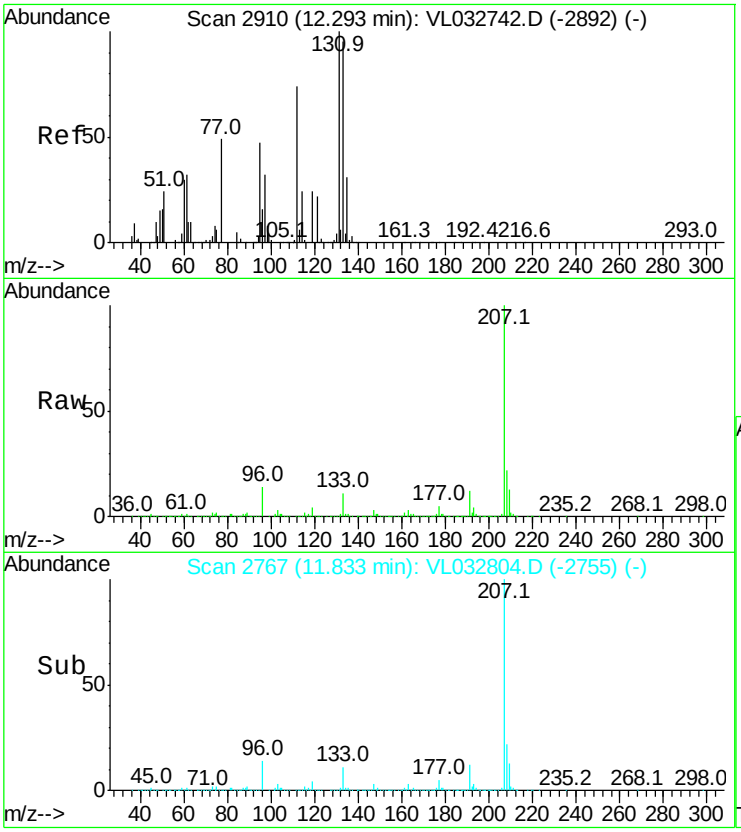


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion:117 Resp: 3310618

Ion	Ratio	Lower	Upper
117	100		
82	63.3	51.0	76.6
119	33.0	28.0	42.0



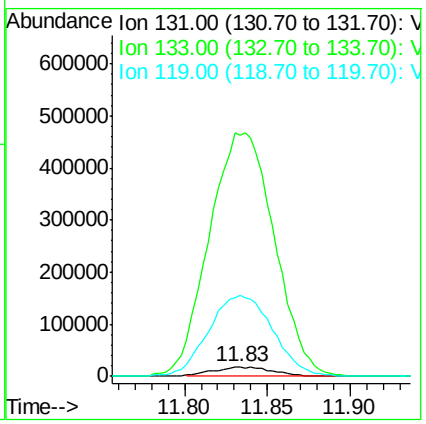


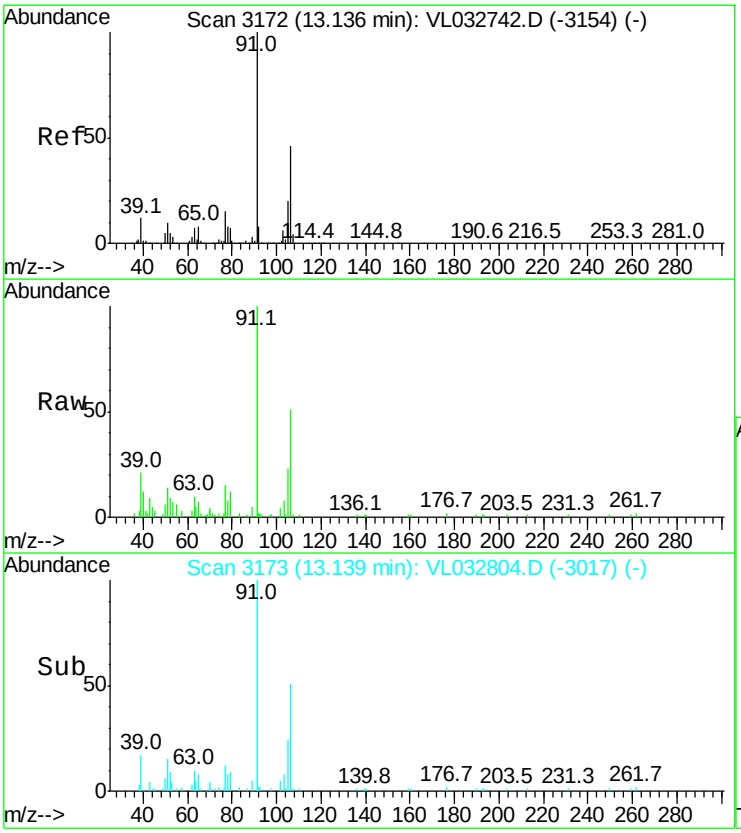
#56
1,1,1,2-Tetrachloroethane
Concen: 0.286 ppbv
RT: 11.83 min Scan# 2767
Delta R.T. -0.46 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument : MSVOA_L
ClientSampleId : EP-103

Tgt Ion:131 Resp: 44122

Ion	Ratio	Lower	Upper
131	100		
133	2491.2	75.8	113.6#
119	809.1	45.2	67.8#

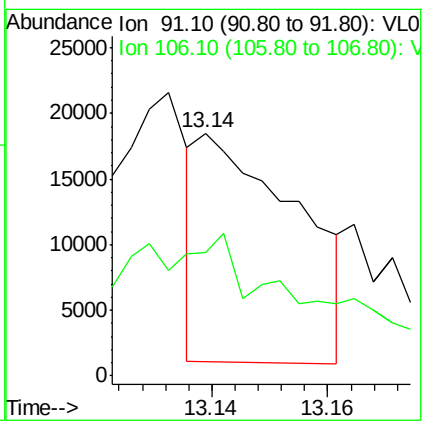


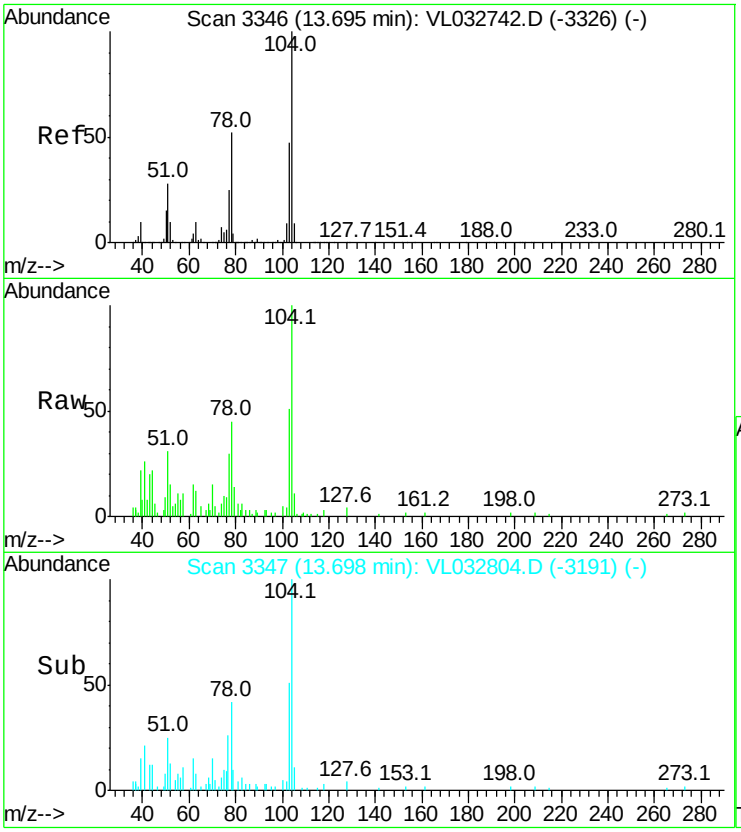


#59
m/p-Xylene
Concen: 0.058 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 91 Resp: 20496

Ion	Ratio	Lower	Upper
91	100		
106	147.0	36.1	54.1#



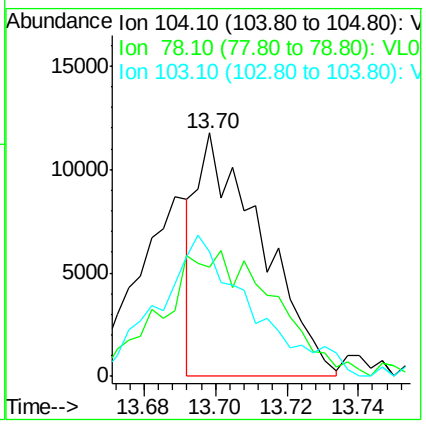


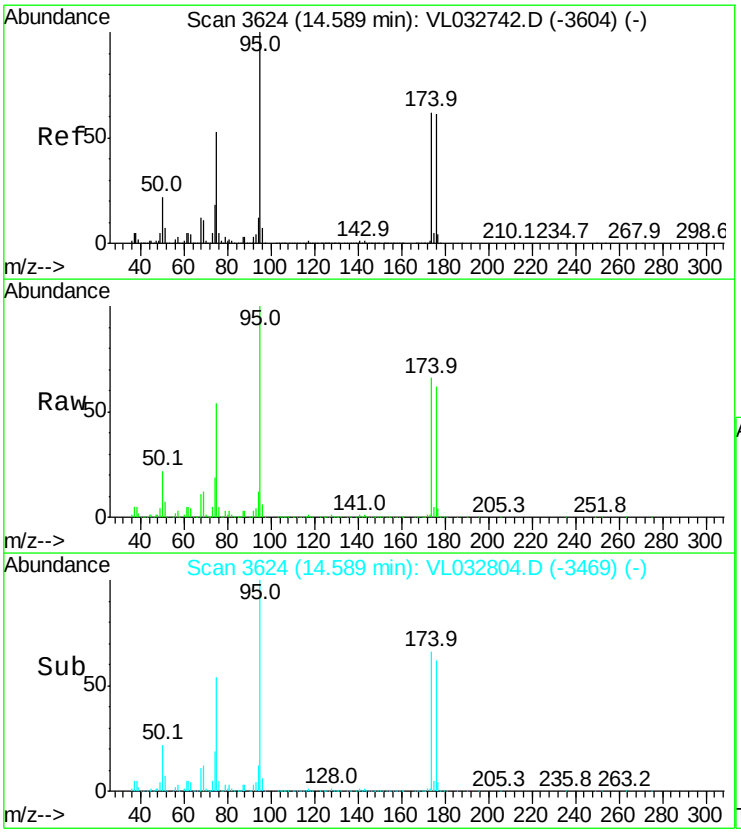
#61
Styrene
Concen: 0.063 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Instrument : MSVOA_L
ClientSampleId : EP-103

Tgt Ion:104 Resp: 14708

Ion	Ratio	Lower	Upper
104	100		
78	99.1	42.2	63.4#
103	86.8	38.2	57.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.579 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032804.D
Acq: 21 Nov 2018 7:51

Tgt Ion: 95 Resp: 2371851

Ion	Ratio	Lower	Upper
95	100		
174	67.1	50.7	76.1
175	5.0	3.8	5.6