Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112718\

Quantitation Report (Not Reviewed)

Data File : VL032823.D
Acq On : 28 Nov 2018 9:27
Operator : SY/AP
Sample : J6046-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP2-SV-04DL

Quant Time: Nov 28 14:33:24 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	1182562	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3020832	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2888767	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2141313	9.91	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	147547	0.868	ppbv		94
3) Chlorodifluoromethane	3.02	51	7839507	83.618	ppbv		97
4) Chloromethane	3.17	50	25911	0.498	ppbv		96
8) Dichlorotetrafluoroethane	3.09	85	33785	0.252	ppbv	#	18
9) Propene	3.05	41	102173	2.723	ppbv		95
11) Trichlorofluoromethane	4.01	101	435099	2.716	ppbv		97
13) Ethanol	3.66	45	150259	12.227	ppbv		96
15) Acetone	3.91	43	371541	3.440	ppbv	#	72
16) 1,3-Butadiene	3.35	39	82874	1.982	ppbv	#	15
19) Isopropyl Alcohol	4.04	45	110951	1.542	ppbv	#	89
20) Methylene Chloride	4.42	84	40139	0.718	ppbv	#	77
23) Vinyl Acetate	5.16	43	36766	0.187	ppbv	#	87
25) Ethyl Acetate	5.79	43	28405	0.113	ppbv	#	94
26) Hexane	5.79	57	17752	0.158	ppbv	#	1
34) 2-Butanone	5.34	43	1140614	7.280	ppbv		100
39) 1,2-Dichloropropane	7.30	63	749208	8.174	ppbv	#	24
41) Tetrahydrofuran	6.17	42	30485	0.339	ppbv		91
52) Tetrachloroethene	11.38	164	137115	1.639	ppbv		95
53) Toluene	9.96	91	64718	0.258	ppbv		97

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

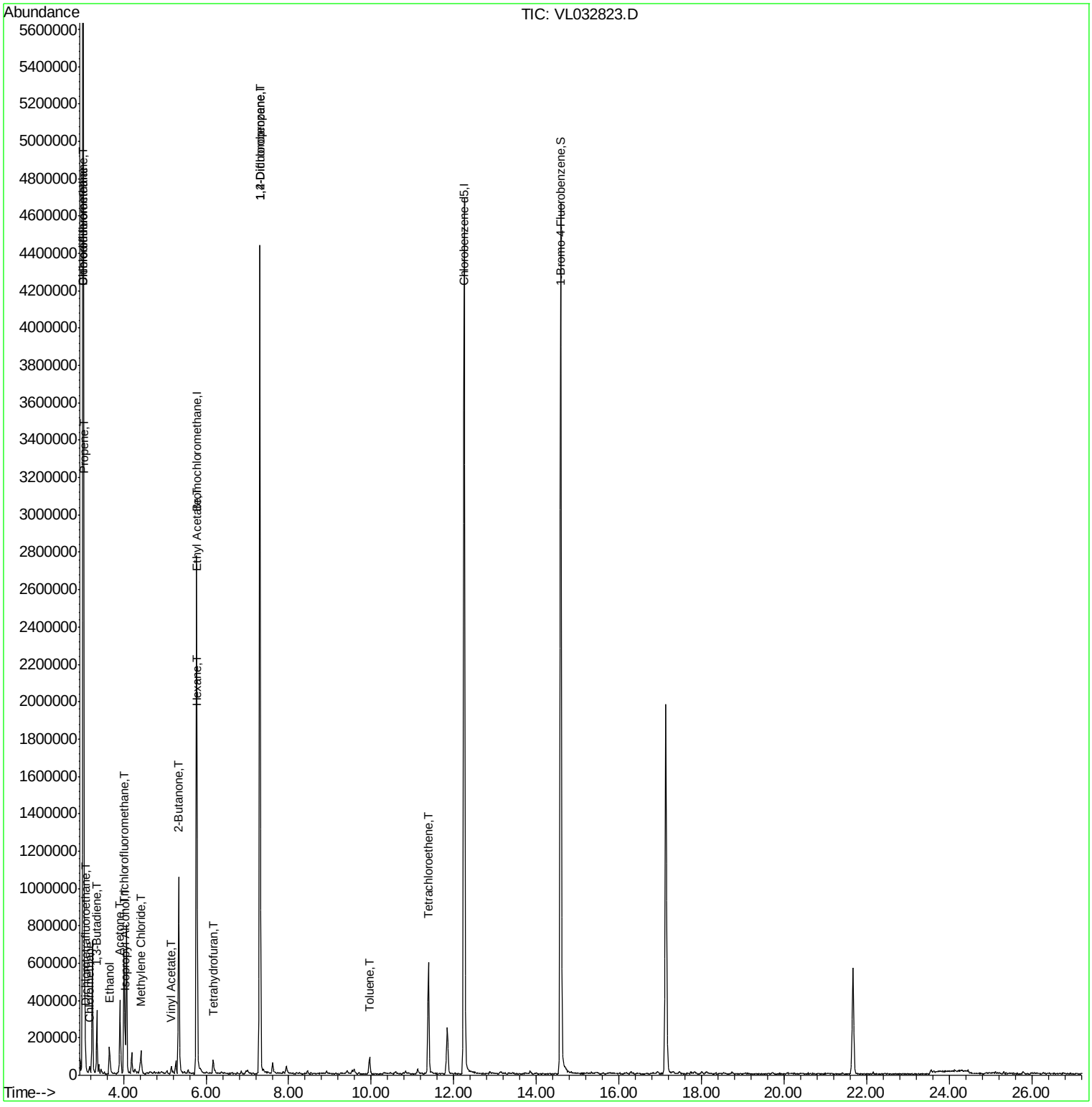
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112718\

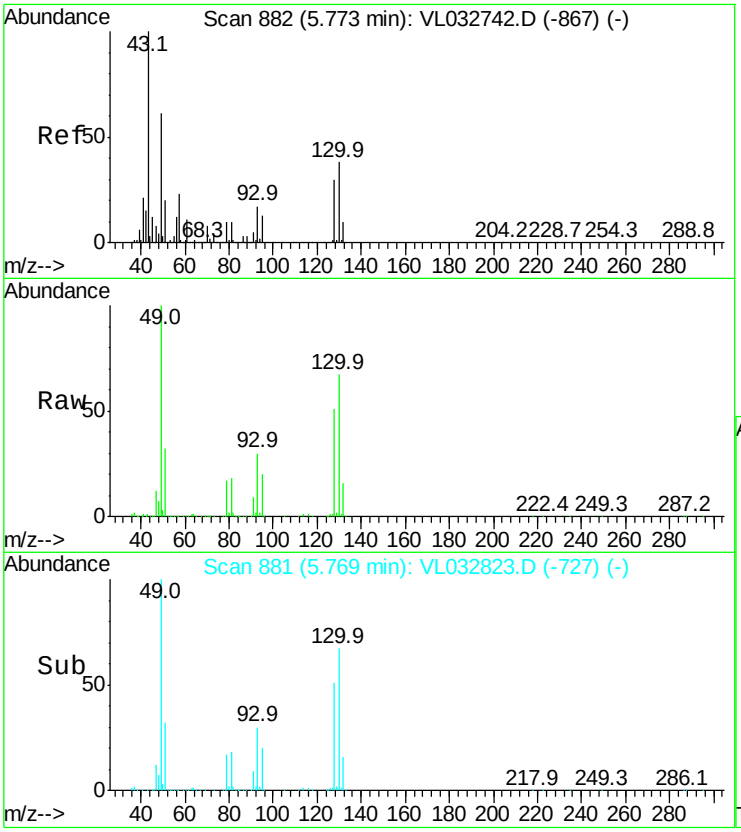
Quantitation Report (Not Reviewed)

Data File : VL032823.D
Acq On : 28 Nov 2018 9:27
Operator : SY/AP
Sample : J6046-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP2-SV-04DL

Quant Time: Nov 28 14:33:24 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



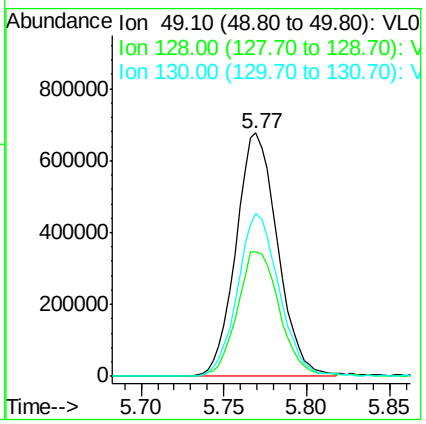


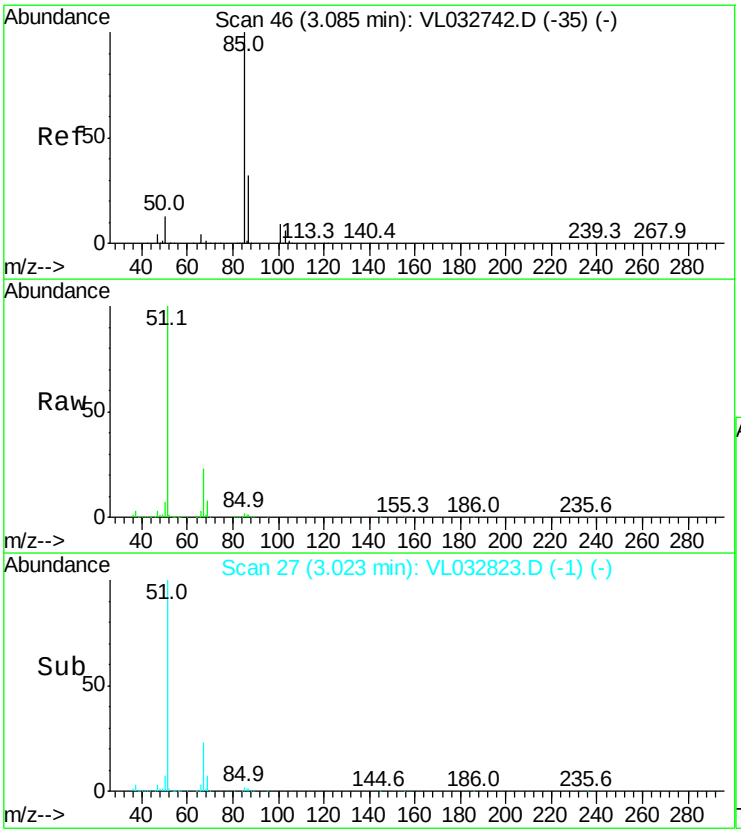
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 49 Resp: 1182562

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.9	74.6
130	67.5	31.4	94.2

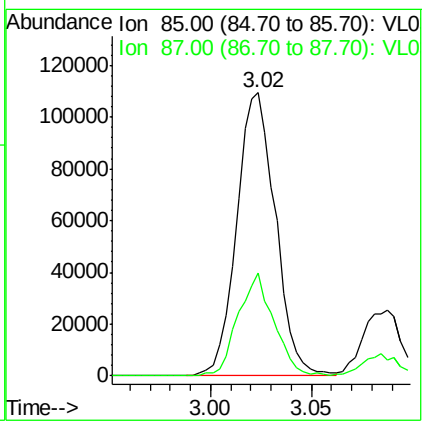


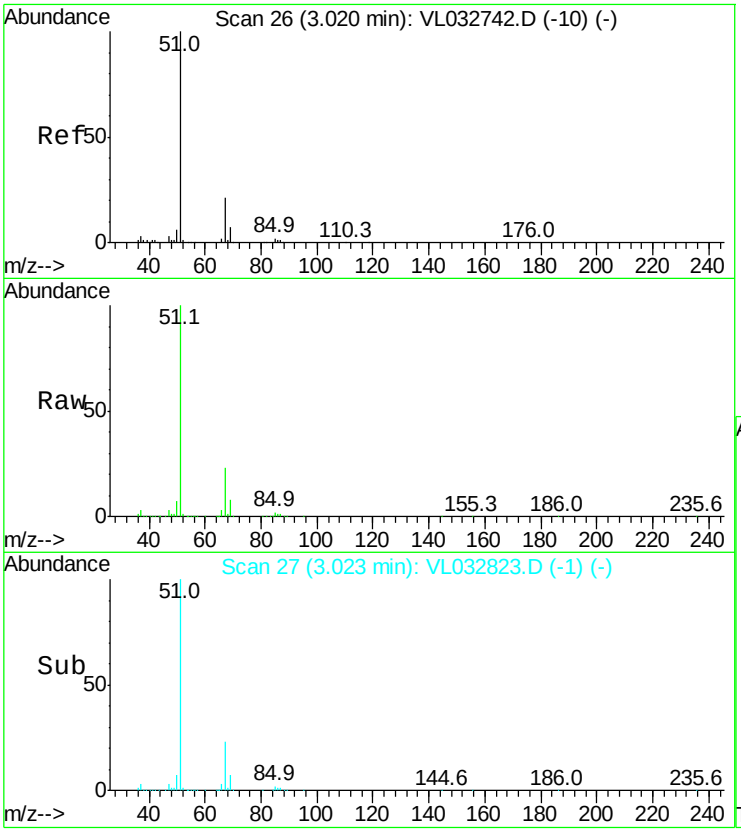


#2
Dichlorodifluoromethane
Concen: 0.868 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.06 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 85 Resp: 147547

Ion	Ratio	Lower	Upper
85	100		
87	36.1	26.0	39.0



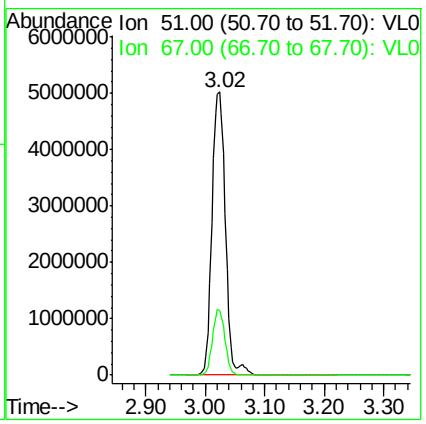


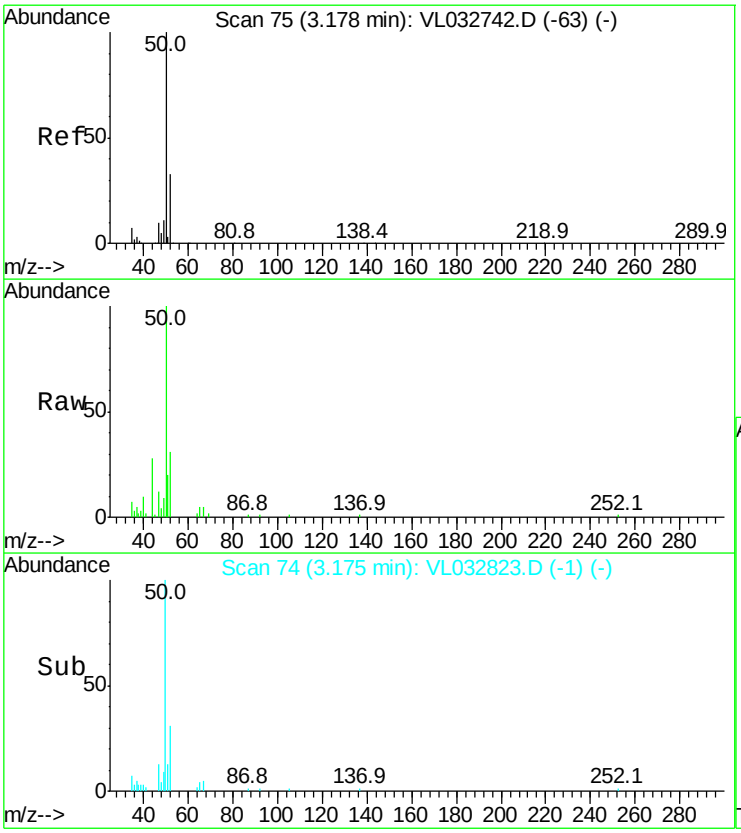
#3
Chlorodifluoromethane
Concen: 83.618 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 51 Resp: 7839507

Ion	Ratio	Lower	Upper
51	100		
67	21.4	16.1	24.1

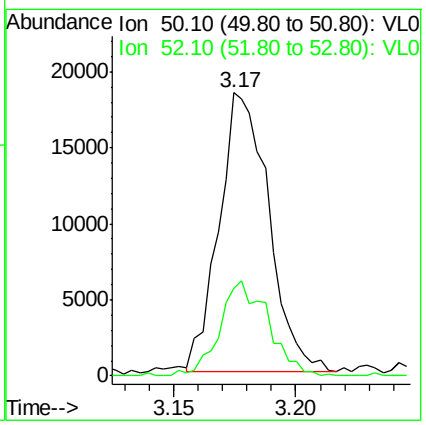


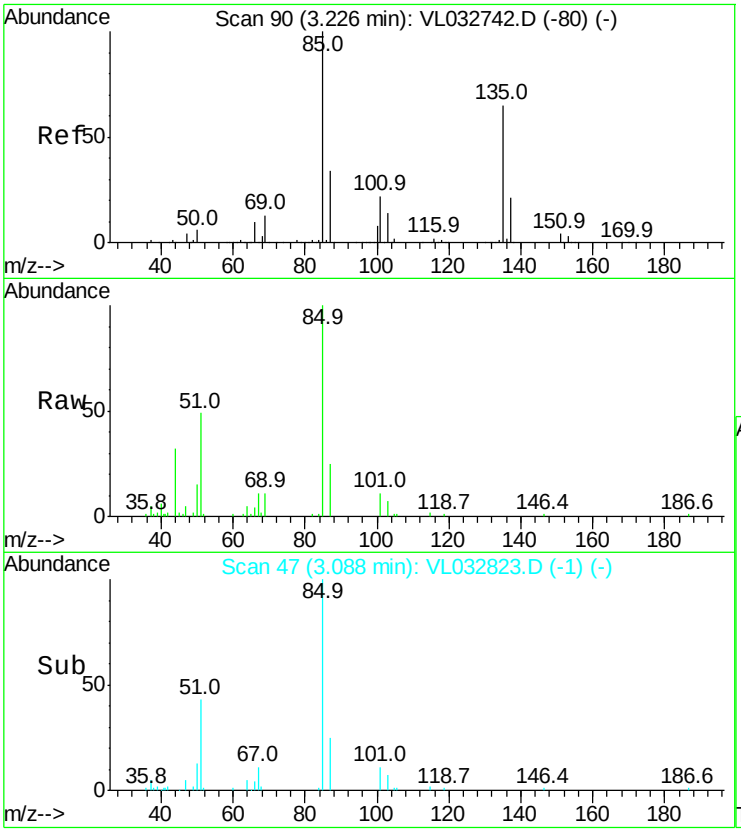


#4
Chloromethane
Concen: 0.498 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 50 Resp: 25911

Ion	Ratio	Lower	Upper
50	100		
52	31.3	26.6	40.0



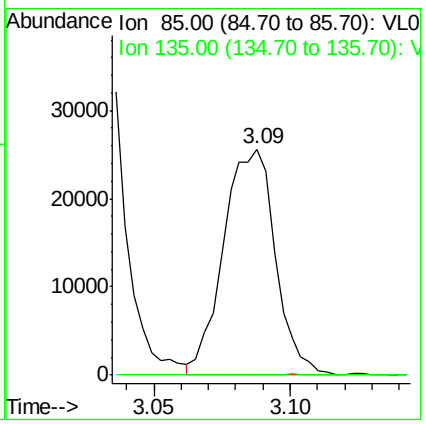


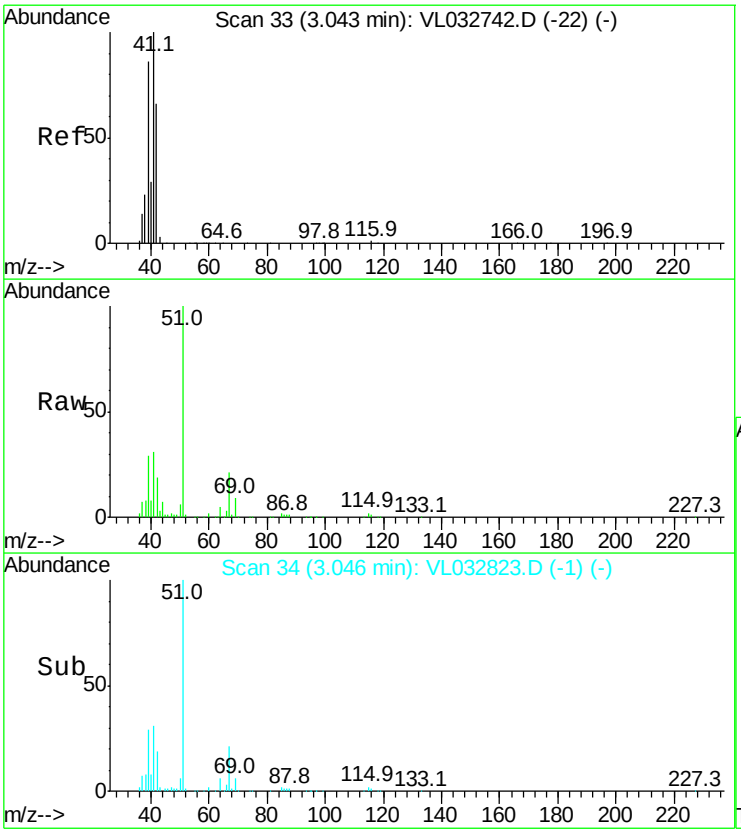
#8
Dichlorotetrafluoroethane
Concen: 0.252 ppbv
RT: 3.09 min Scan# 47
Delta R.T. -0.14 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument : MSVOA_L
ClientSampleId : EP2-SV-04DL

Tgt Ion: 85 Resp: 33785

Ion	Ratio	Lower	Upper
85	100		
135	1.7	53.8	80.8#

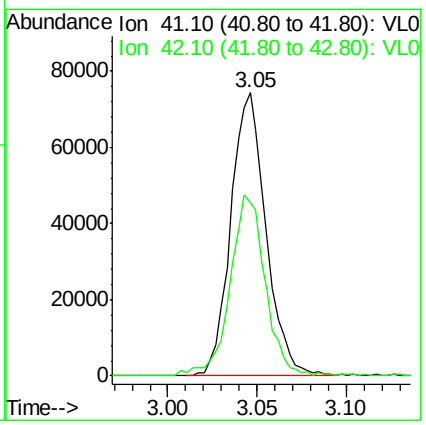


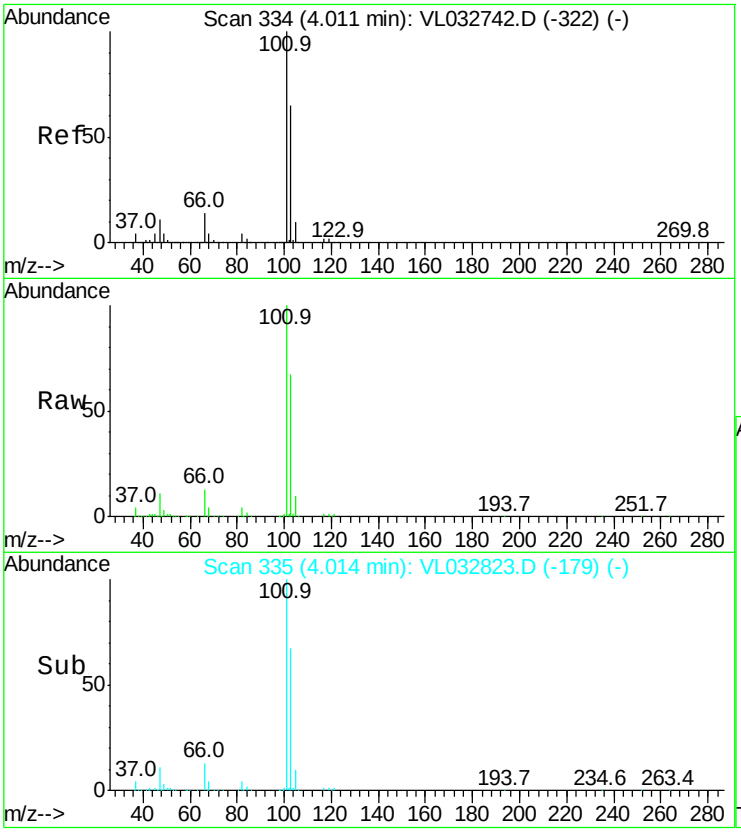


#9
Propene
Concen: 2.723 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 41 Resp: 102173

Ion	Ratio	Lower	Upper
41	100		
42	64.5	55.0	82.6



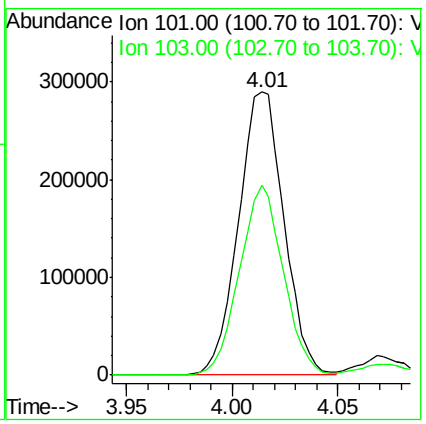


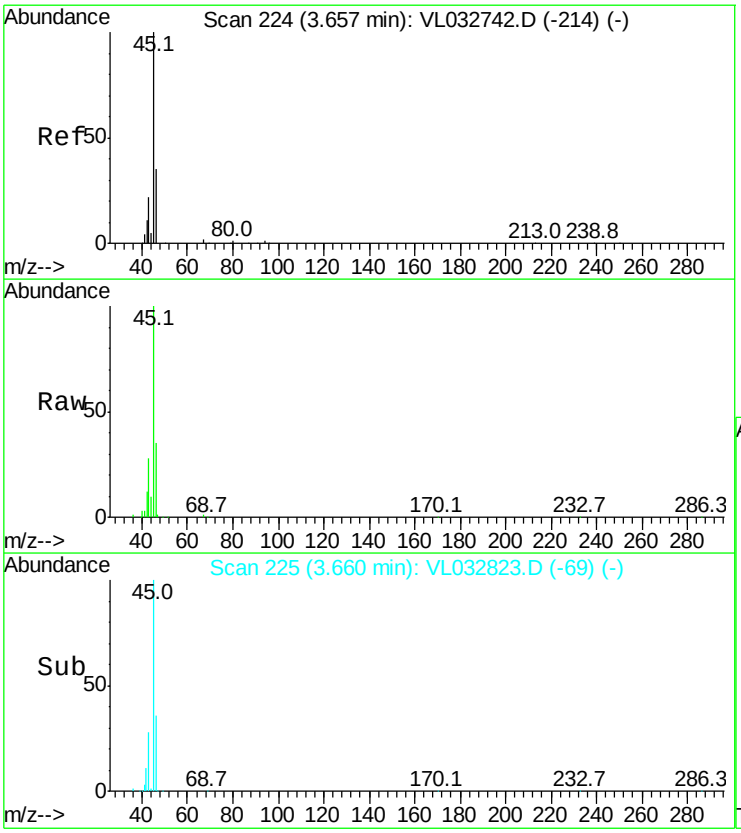
#11
Trichlorofluoromethane
Concen: 2.716 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion:101 Resp: 435099

Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.6	77.4

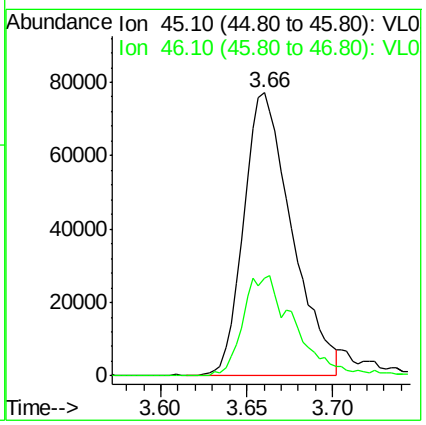


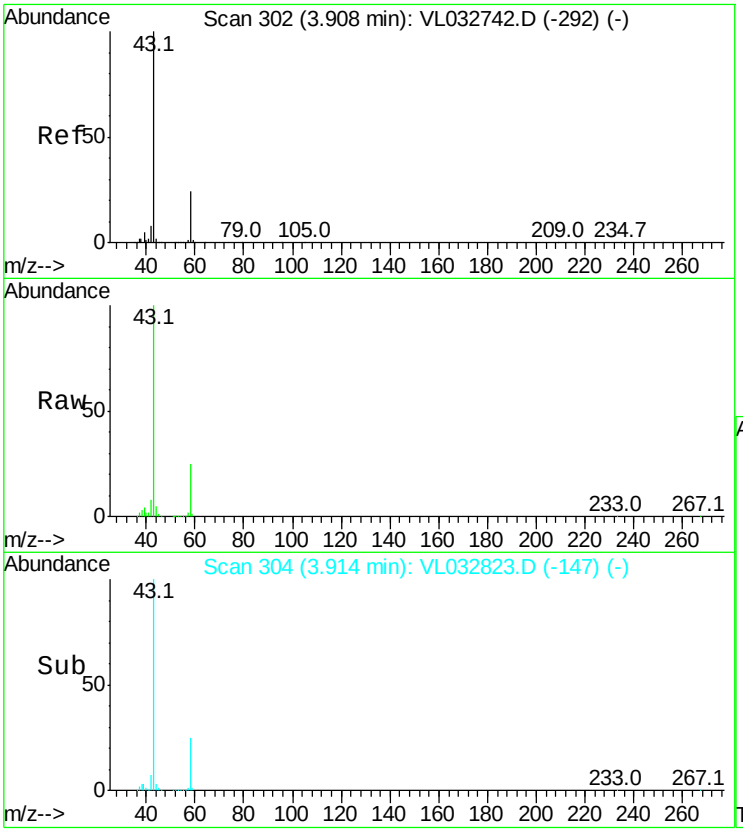


#13
Ethanol
Concen: 12.227 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 45 Resp: 150259

Ion	Ratio	Lower	Upper
45	100		
46	38.4	14.5	57.9



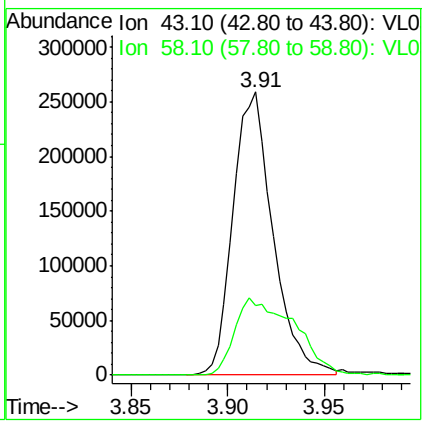


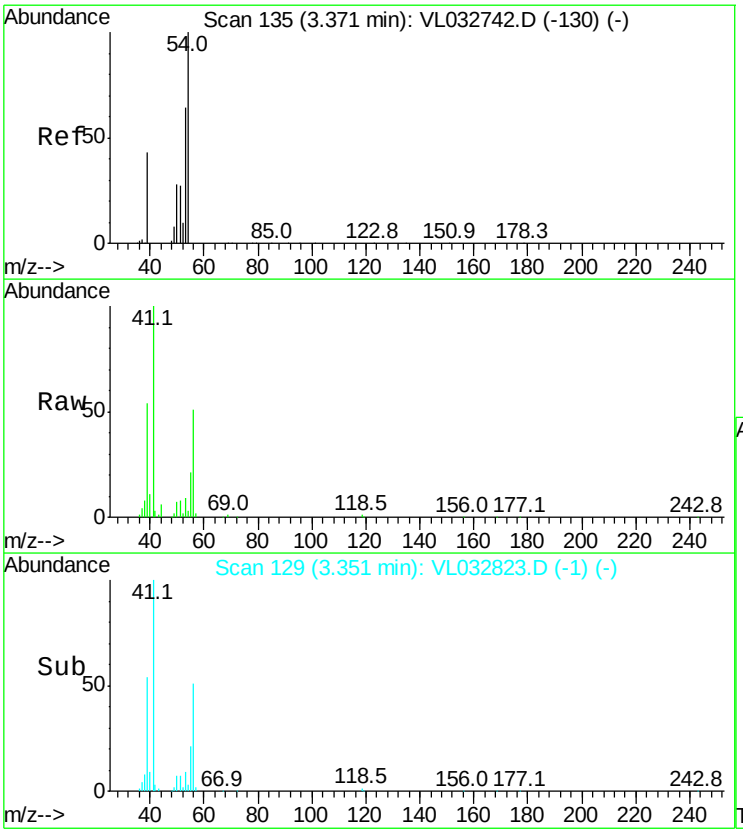
#15
Acetone
Concen: 3.440 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 43 Resp: 371541

Ion	Ratio	Lower	Upper
43	100		
58	41.0	21.1	31.7#

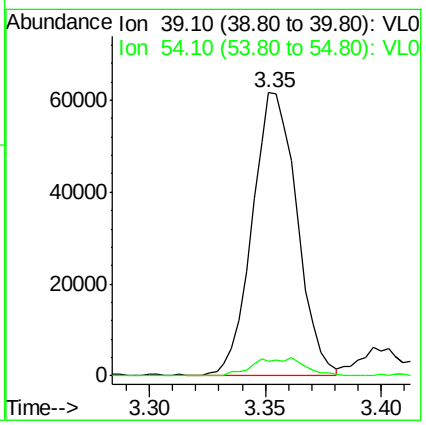


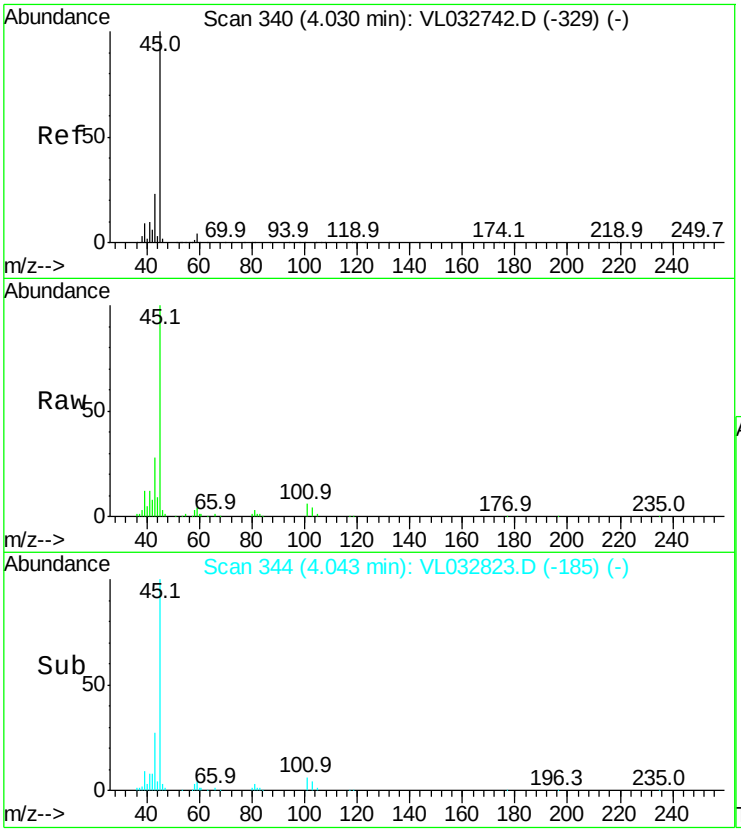


#16
1,3-Butadiene
Concen: 1.982 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.02 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 39 Resp: 82874

Ion	Ratio	Lower	Upper
39	100		
54	7.6	68.9	103.3#



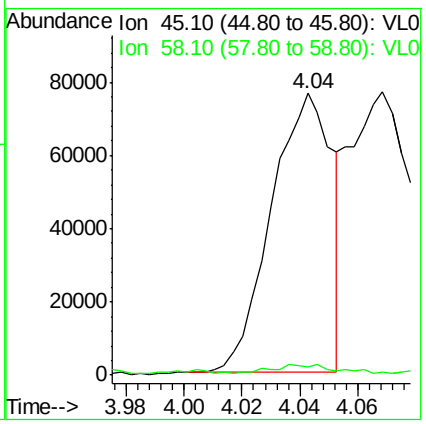


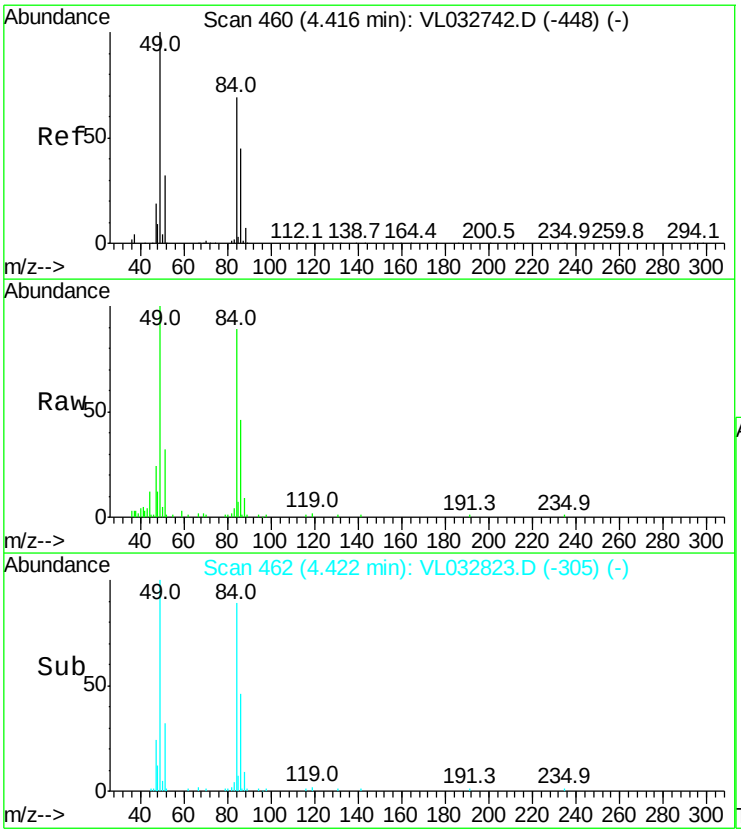
#19
Isopropyl Alcohol
Concen: 1.542 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.01 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 45 Resp: 110951

Ion	Ratio	Lower	Upper
45	100		
58	5.8	1.4	2.0#

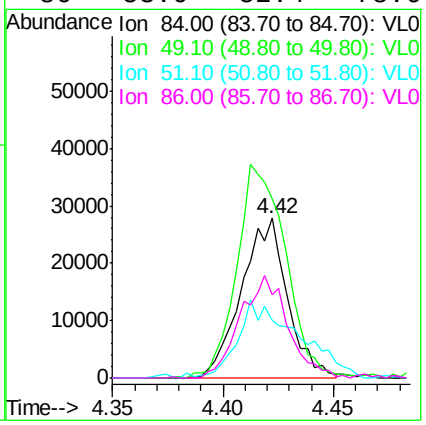


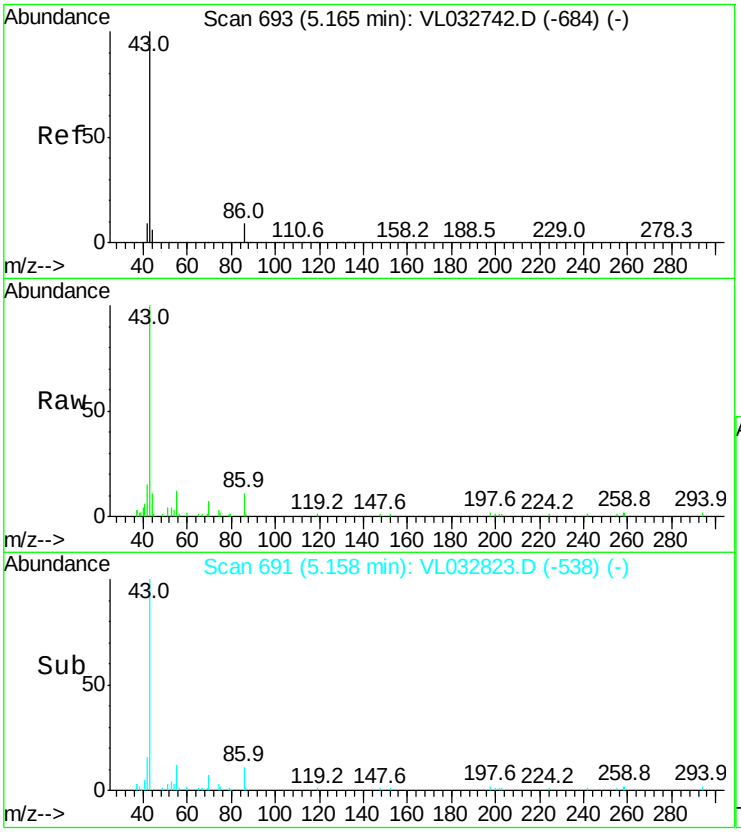


#20
Methylene Chloride
Concen: 0.718 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 84 Resp: 40139

Ion	Ratio	Lower	Upper
84	100		
49	111.7	115.8	173.6#
51	32.2	36.9	55.3#
86	53.0	52.4	78.6



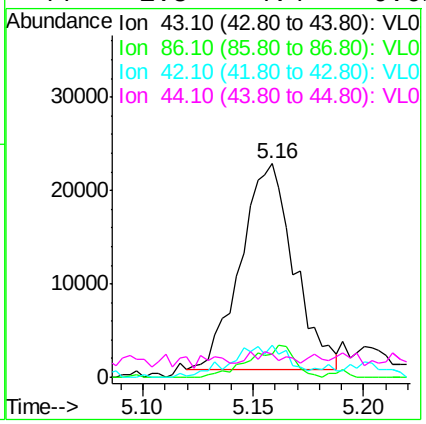


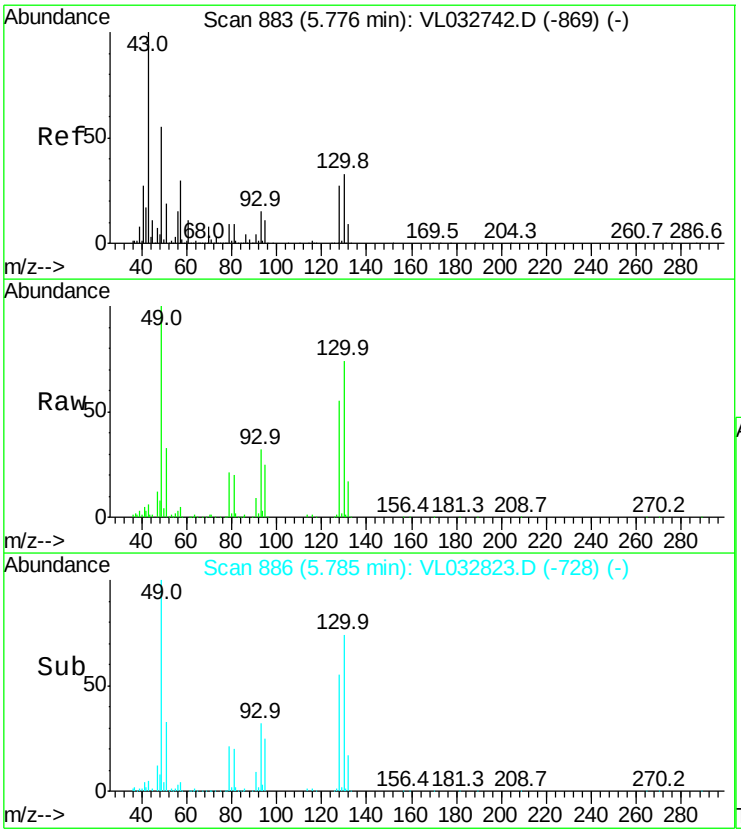
#23
Vinyl Acetate
Concen: 0.187 ppbv
RT: 5.16 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument : MSVOA_L
ClientSampleId : EP2-SV-04DL

Tgt Ion: 43 Resp: 36766

Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.2	9.4#
42	15.1	7.8	11.6#
44	1.5	4.4	6.6#

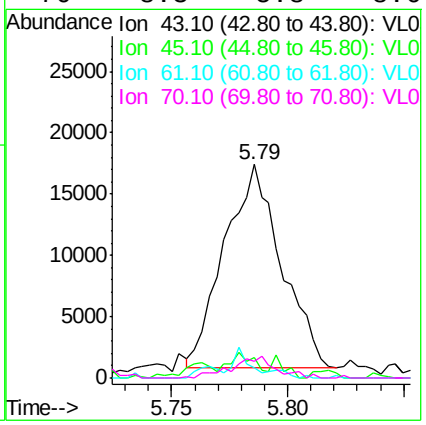


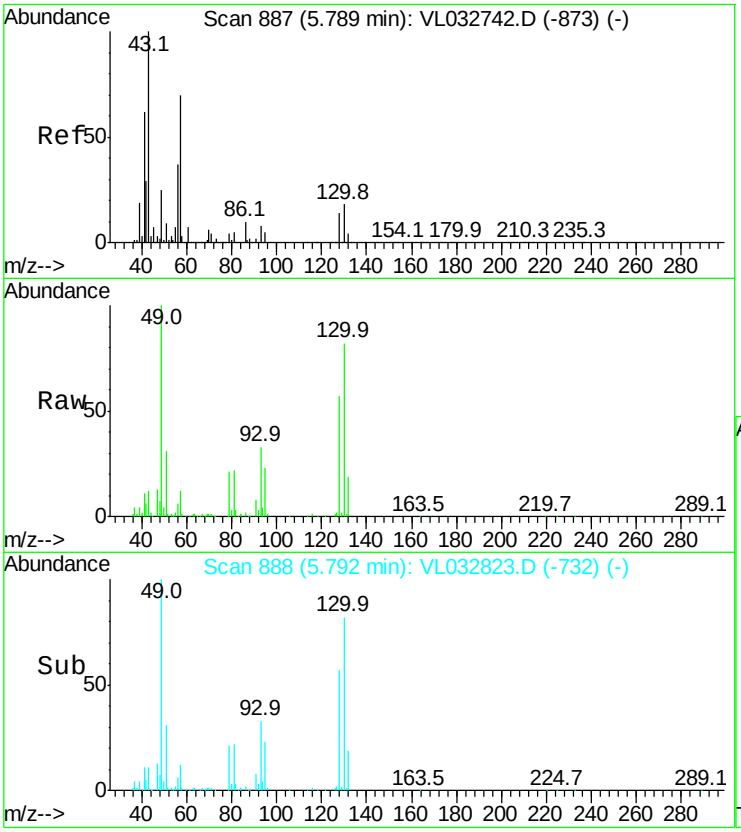


#25
Ethyl Acetate
Concen: 0.113 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 43 Resp: 28405

Ion	Ratio	Lower	Upper
43	100		
45	13.6	7.9	11.9#
61	7.8	7.8	11.6
70	8.3	5.8	8.6



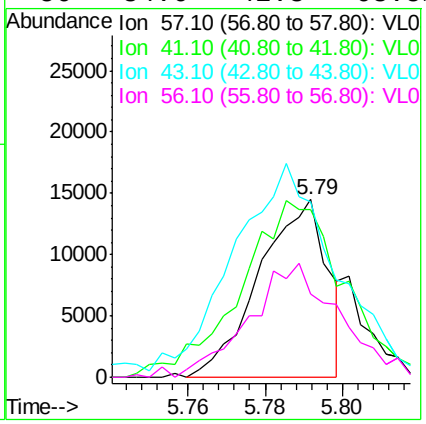


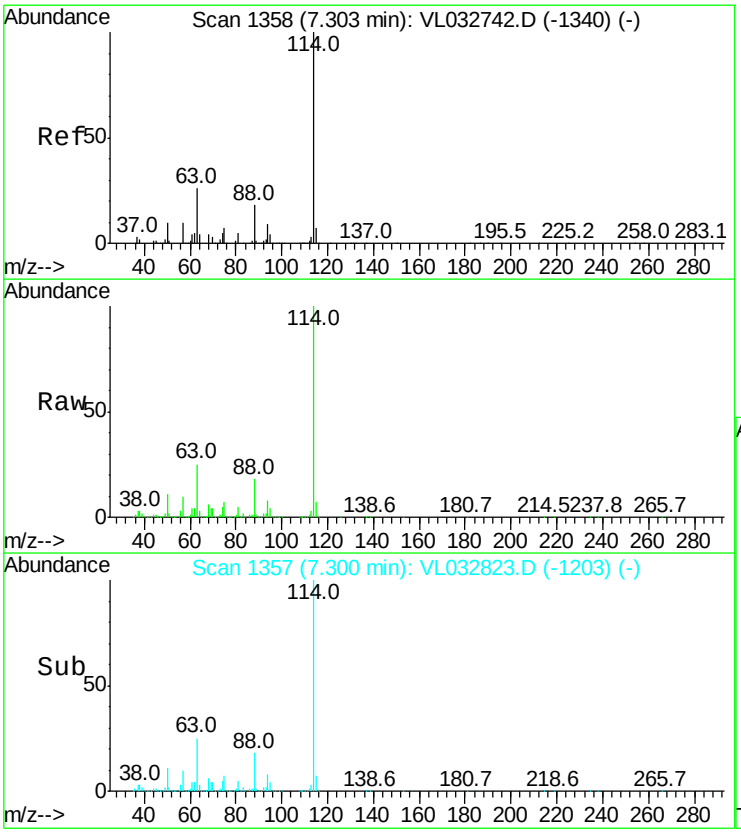
#26
Hexane
Concen: 0.158 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument : MSVOA_L
ClientSampleId : EP2-SV-04DL

Tgt Ion: 57 Resp: 17752

Ion	Ratio	Lower	Upper
57	100		
41	156.1	70.3	105.5#
43	0.0	174.0	261.0#
56	84.6	42.3	63.5#

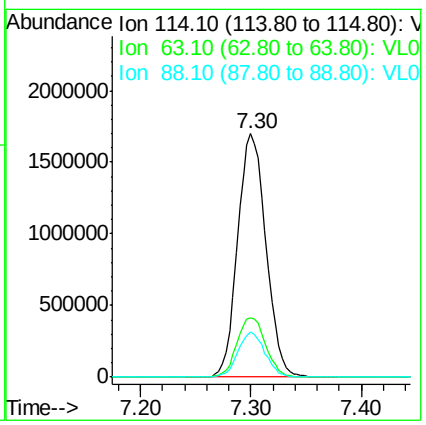


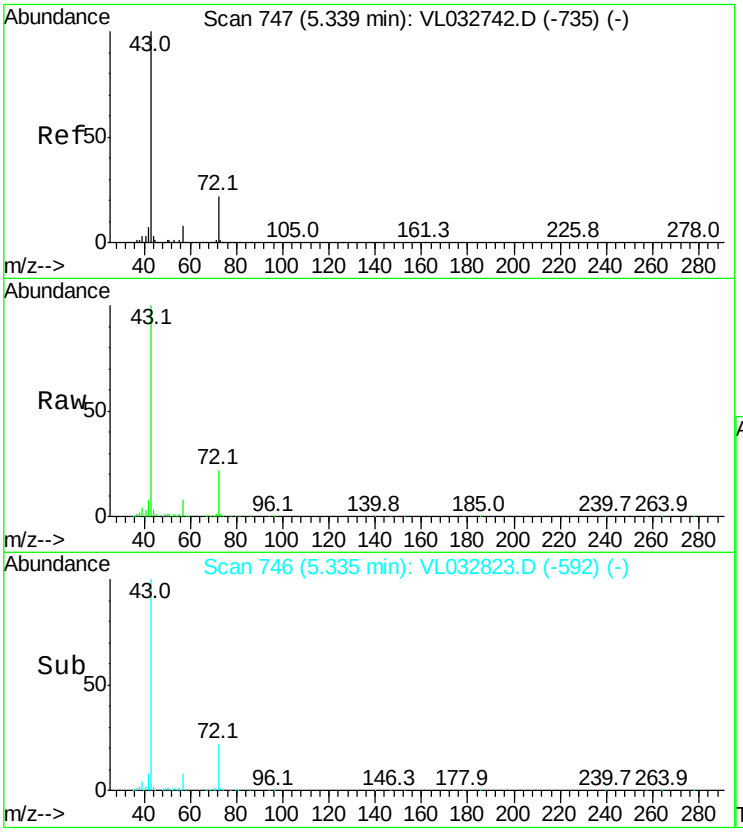


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion:114 Resp: 3020832

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.9	31.3
88	17.8	14.4	21.6



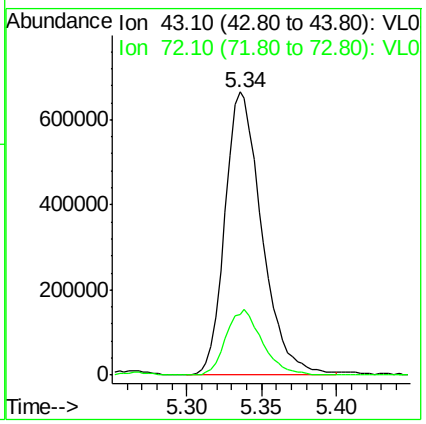


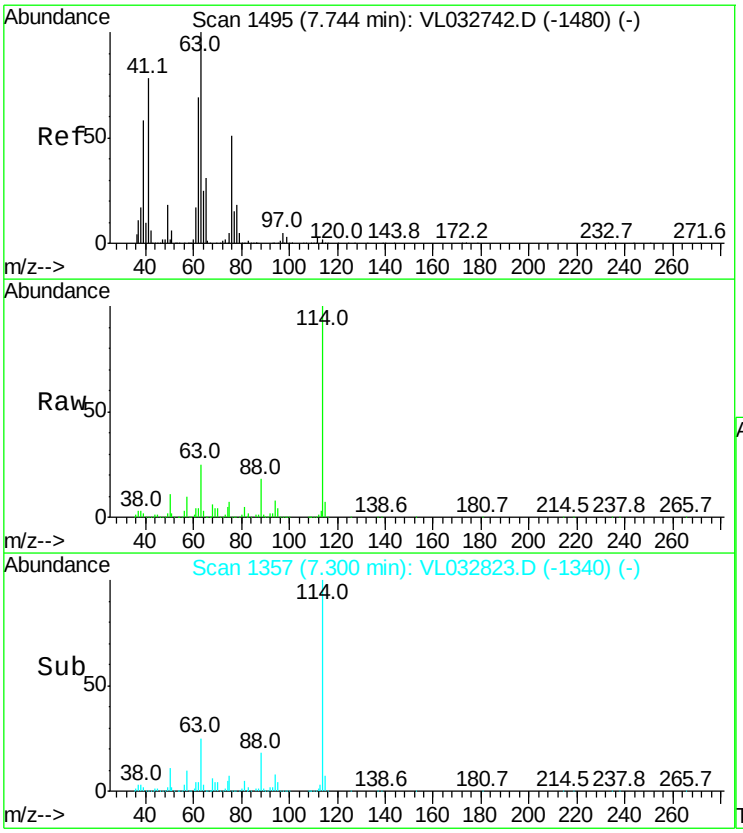
#34
2-Butanone
Concen: 7.280 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 43 Resp: 1140614

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6

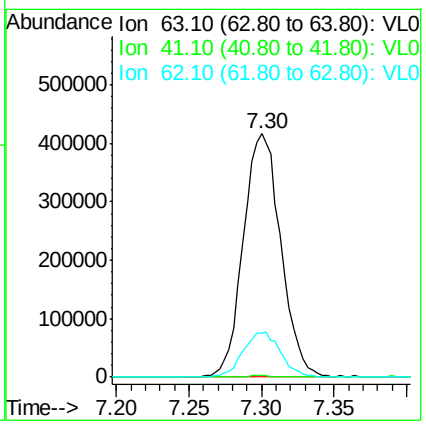


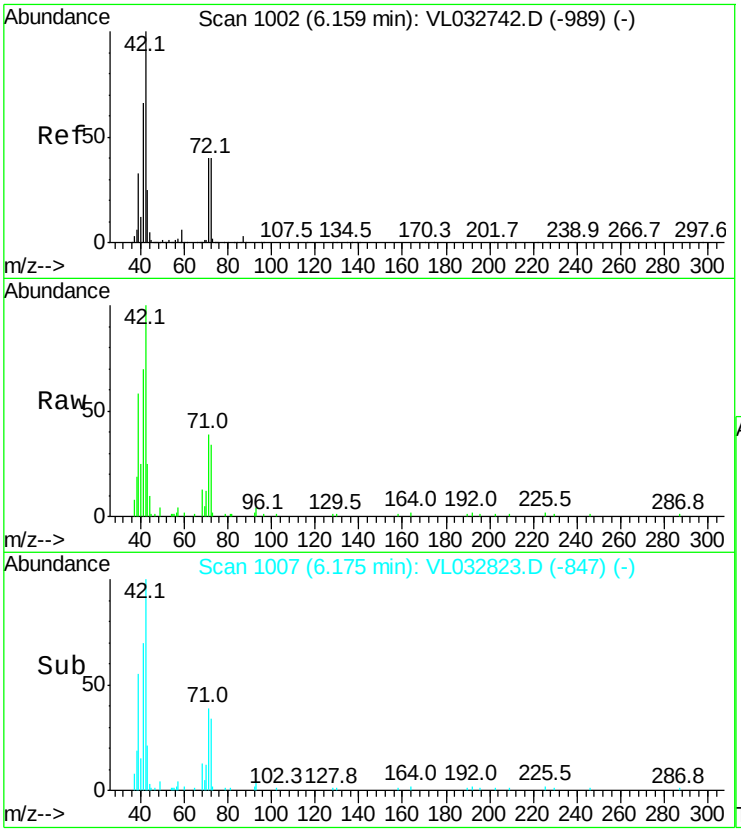


#39
1,2-Dichloropropane
Concen: 8.174 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.44 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion: 63 Resp: 749208

Ion	Ratio	Lower	Upper
63	100		
41	0.4	62.0	93.0#
62	18.2	55.4	83.2#



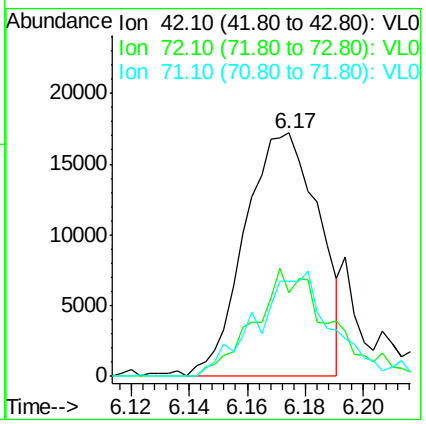


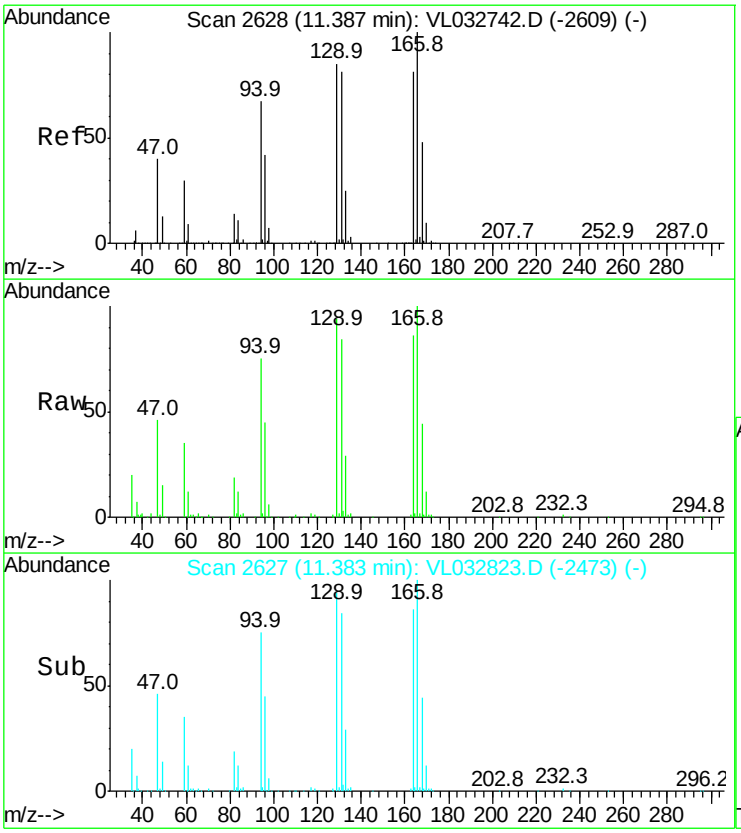
#41
Tetrahydrofuran
Concen: 0.339 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 42 Resp: 30485

Ion	Ratio	Lower	Upper
42	100		
72	45.6	32.4	48.6
71	46.0	31.6	47.4

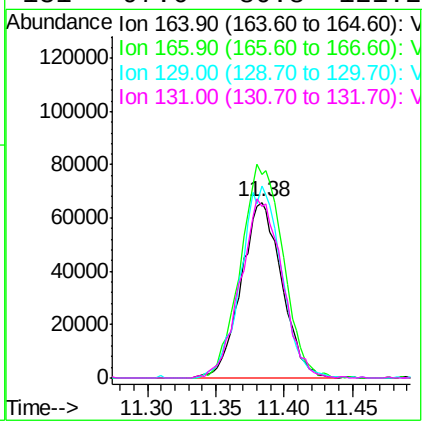


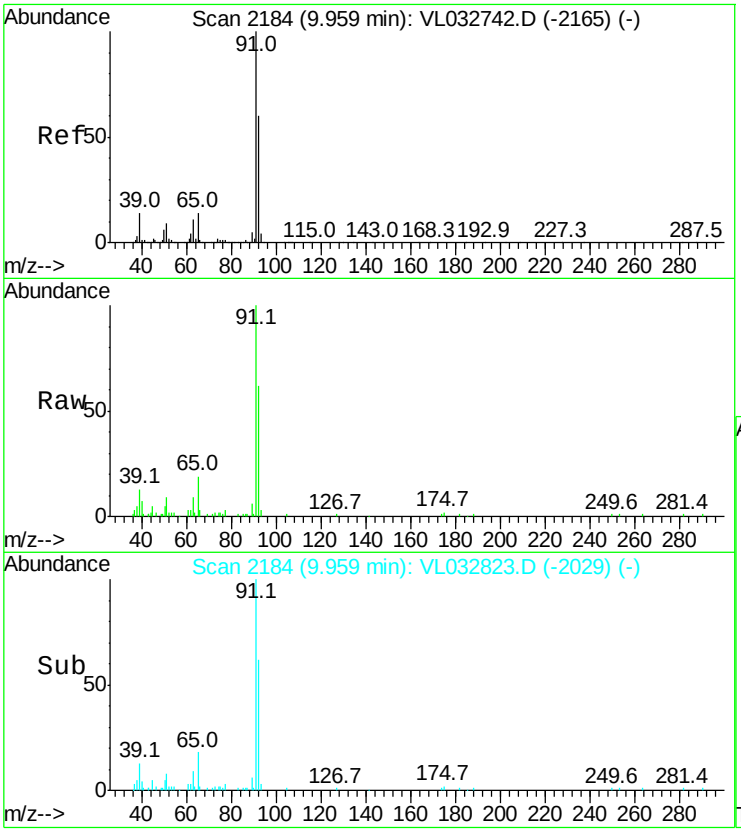


#52
Tetrachloroethene
Concen: 1.639 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion:164 Resp: 137115

Ion	Ratio	Lower	Upper
164	100		
166	116.0	99.3	148.9
129	109.3	83.9	125.9
131	97.6	80.8	121.2



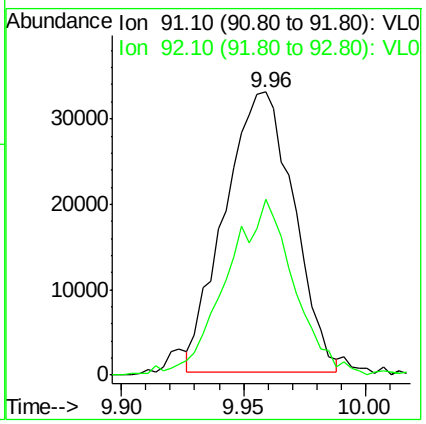


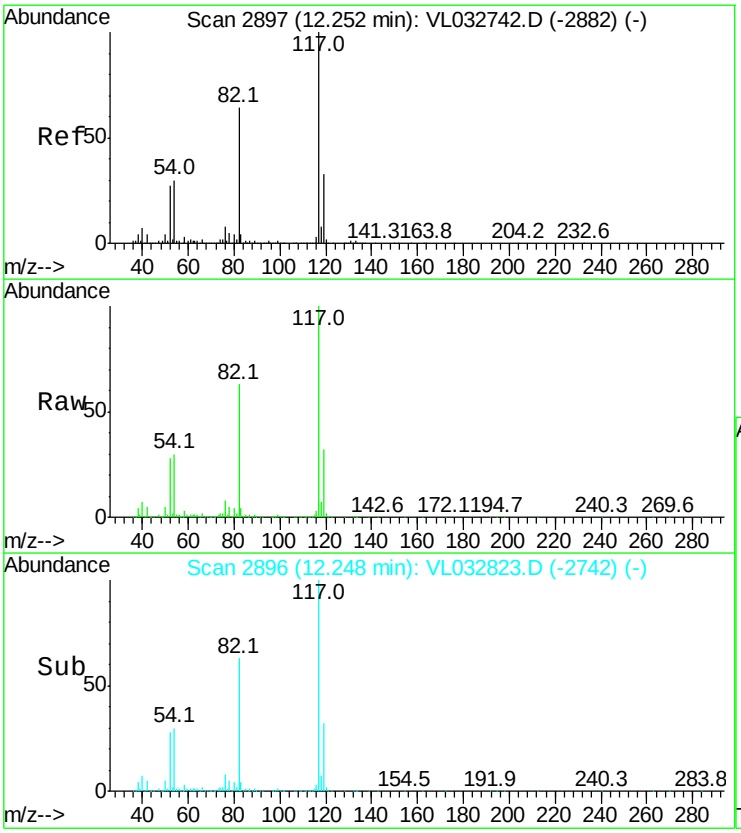
#53
Toluene
Concen: 0.258 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 91 Resp: 64718

Ion	Ratio	Lower	Upper
91	100		
92	61.9	47.9	71.9

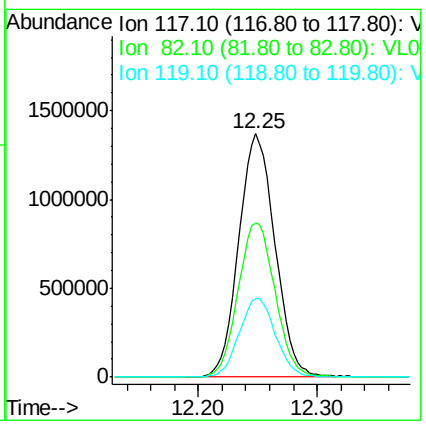


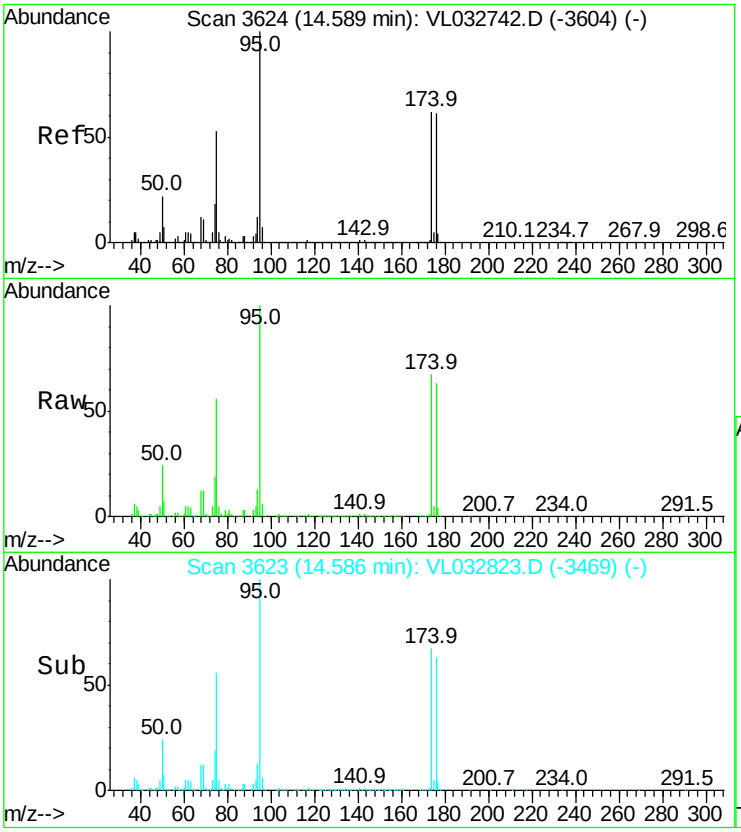


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Tgt Ion:117 Resp: 2888767

Ion	Ratio	Lower	Upper
117	100		
82	65.2	51.0	76.6
119	32.8	28.0	42.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.911 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032823.D
Acq: 28 Nov 2018 9:27

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-04DL

Tgt Ion: 95 Resp: 2141313

Ion	Ratio	Lower	Upper
95	100		
174	64.4	50.7	76.1
175	4.7	3.8	5.6