Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\

Quantitation Report (Not Reviewed)

Data File : VL032725.D
Acq On : 7 Nov 2018 20:20
Operator : SY/AP
Sample : J5823-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AA-01

Quant Time: Nov 08 10:54:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1364626	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3336582	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3220446	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2458383	10.25	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	39727	0.286	ppbv		97
3) Chlorodifluoromethane	3.02	51	63843	0.598	ppbv	#	89
4) Chloromethane	3.18	50	28232	0.473	ppbv		93
9) Propene	3.25	41	99590	2.268	ppbv		96
10) Heptane	8.25	43	9744	0.058	ppbv	#	1
11) Trichlorofluoromethane	4.02	101	41580	0.229	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	8066	0.053	ppbv	#	17
13) Ethanol	3.66	45	117588	9.368	ppbv		99
15) Acetone	3.91	43	1036478	8.225	ppbv		90
16) 1,3-Butadiene	3.35	39	15817	0.341	ppbv	#	1
19) Isopropyl Alcohol	4.05	45	79905	0.890	ppbv	#	1
20) Methylene Chloride	4.42	84	93334	1.459	ppbv		95
21) Allyl Chloride	4.44	41	13494	0.130	ppbv	#	22
23) Vinyl Acetate	5.15	43	26946	0.121	ppbv	#	1
25) Ethyl Acetate	5.79	43	483881	1.668	ppbv	#	83
26) Hexane	5.79	57	589198	4.293	ppbv	#	47
30) Cyclohexane	7.25	84	7628	0.070	ppbv	#	1
34) 2-Butanone	5.35	43	85761	0.479	ppbv		99
35) Carbon Tetrachloride	7.15	117	9862	0.042	ppbv	#	67
36) Benzene	7.01	78	145690	0.538	ppbv		99
37) 1,2-Dichloroethane	6.43	62	6315	0.038	ppbv	#	84
39) 1,2-Dichloropropane	7.30	63	837056	8.000	ppbv	#	26
41) Tetrahydrofuran	6.43	42	45175	0.453	ppbv	#	36
44) 2,2,4-Trimethylpentane	8.00	57	72466	0.157	ppbv	#	21
53) Toluene	9.96	91	3054128	9.833	ppbv		98
58) Ethyl Benzene	12.87	91	11340	0.030	ppbv		89
59) m/p-Xylene	13.16	91	37901	0.114	ppbv	#	31
60) o-Xylene	13.86	91	28791	0.090	ppbv	#	32
74) 1,2,4-Trimethylbenzene	16.94	105	65643	0.184	ppbv	#	77

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

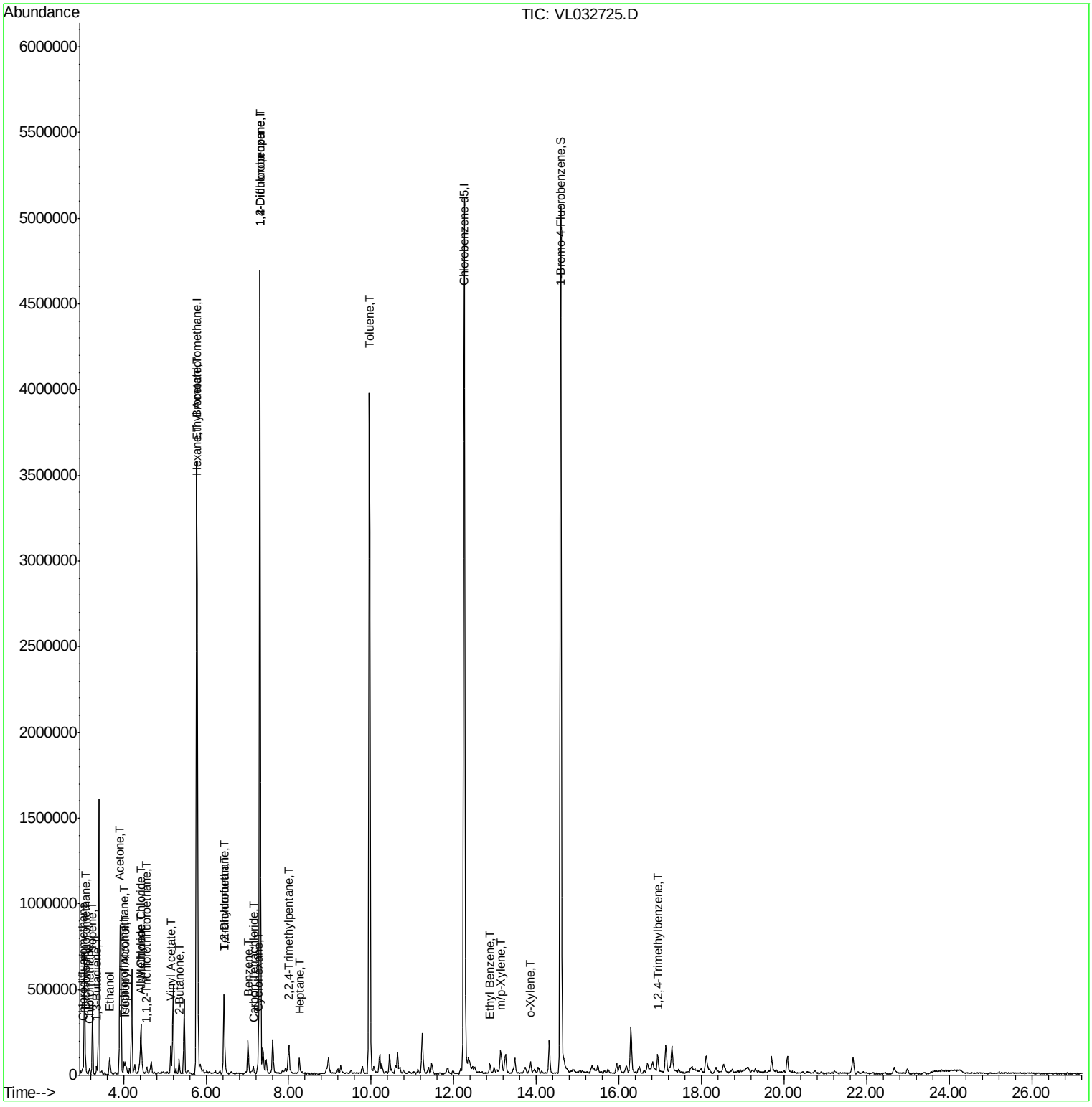
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\

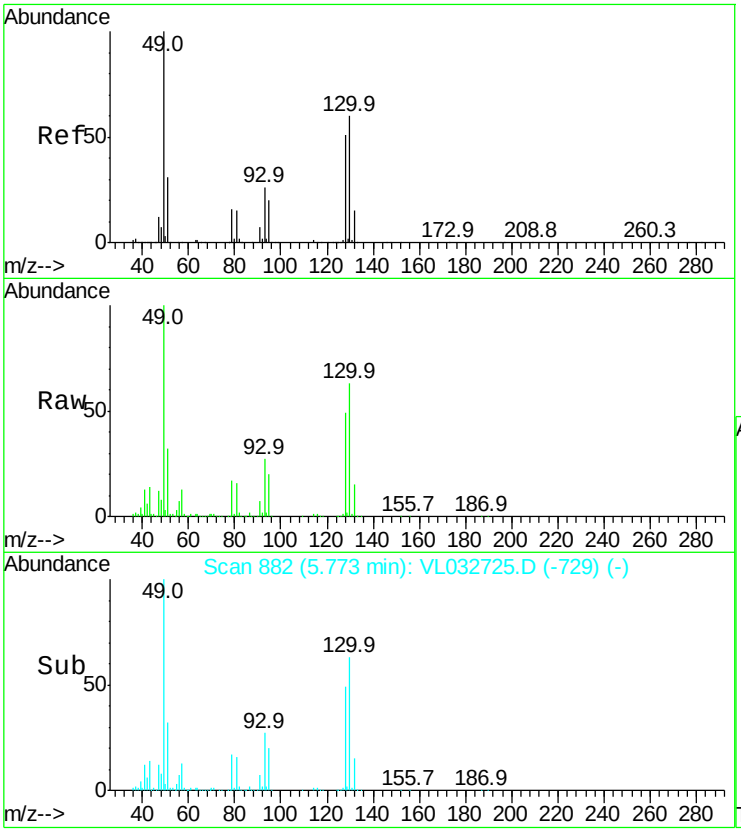
Quantitation Report (Not Reviewed)

Data File : VL032725.D
Acq On : 7 Nov 2018 20:20
Operator : SY/AP
Sample : J5823-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : AA-01

Quant Time: Nov 07 21:44:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration



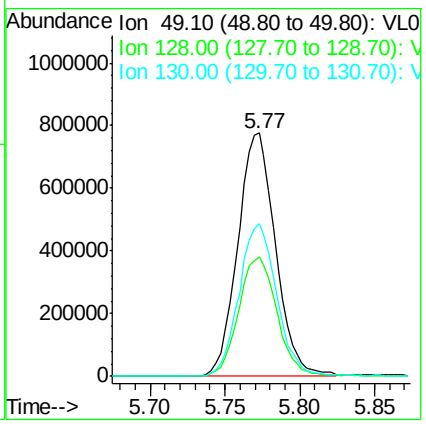


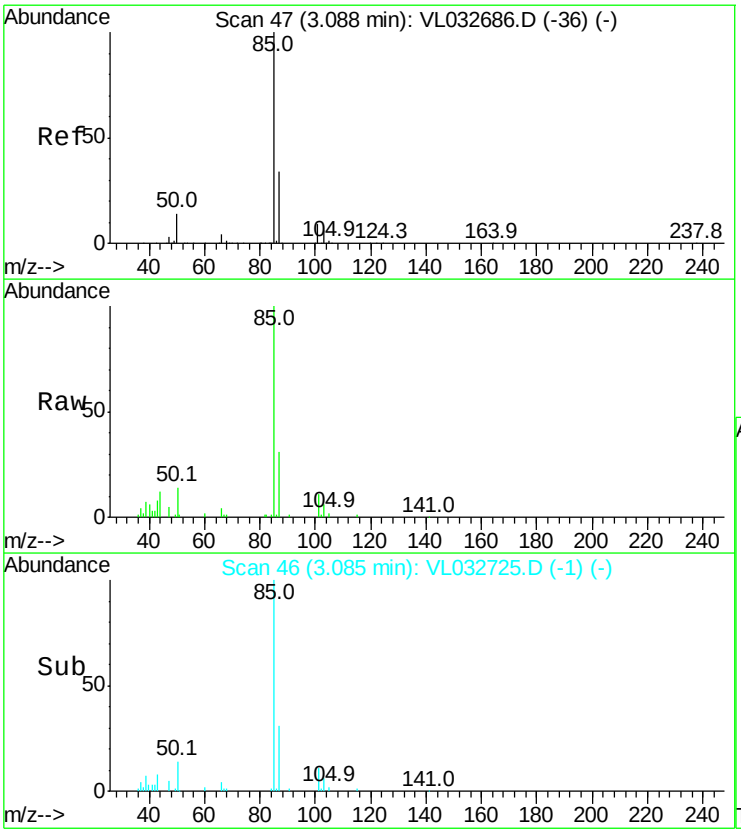
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument :
MSVOA_L
ClientSampleId :
AA-01

Tgt Ion: 49 Resp: 1364626

Ion	Ratio	Lower	Upper
49	100		
128	50.4	22.3	66.8
130	63.4	28.4	85.3

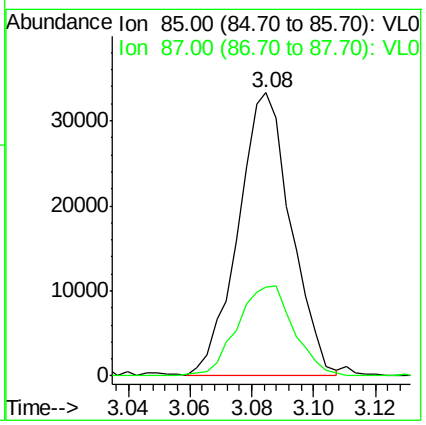


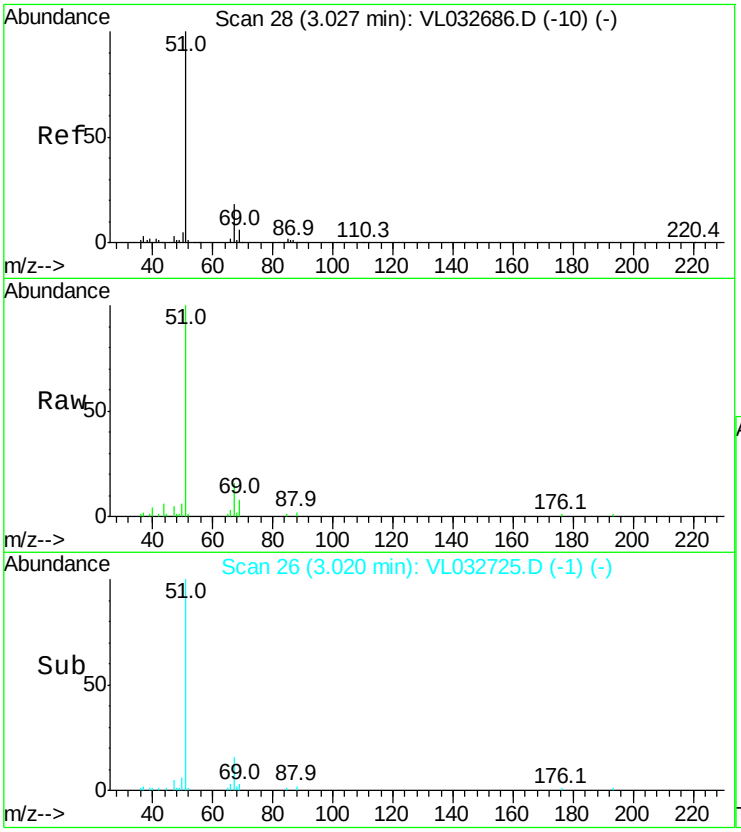


#2
Dichlorodifluoromethane
Concen: 0.286 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 85 Resp: 39727

Ion	Ratio	Lower	Upper
85	100		
87	30.8	26.2	39.2



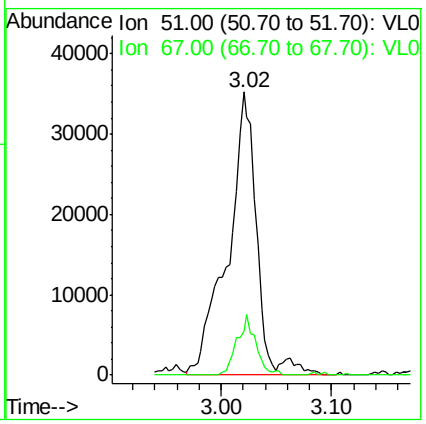


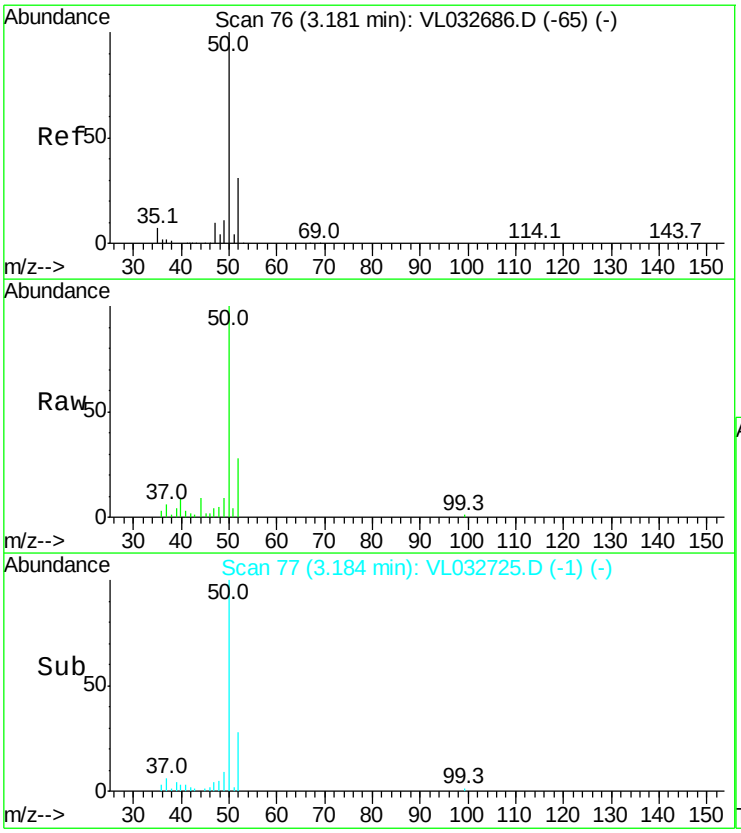
#3
Chlorodifluoromethane
Concen: 0.598 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument :
MSVOA_L
ClientSampleId :
AA-01

Tgt Ion: 51 Resp: 63843

Ion	Ratio	Lower	Upper
51	100		
67	13.8	15.2	22.8#

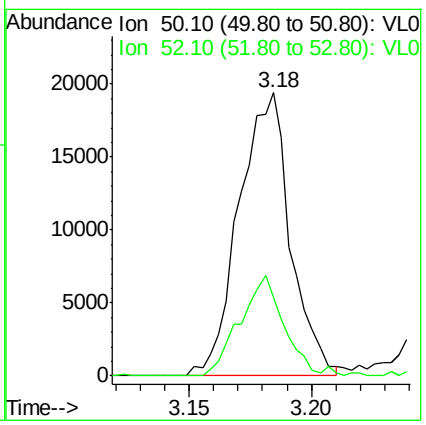


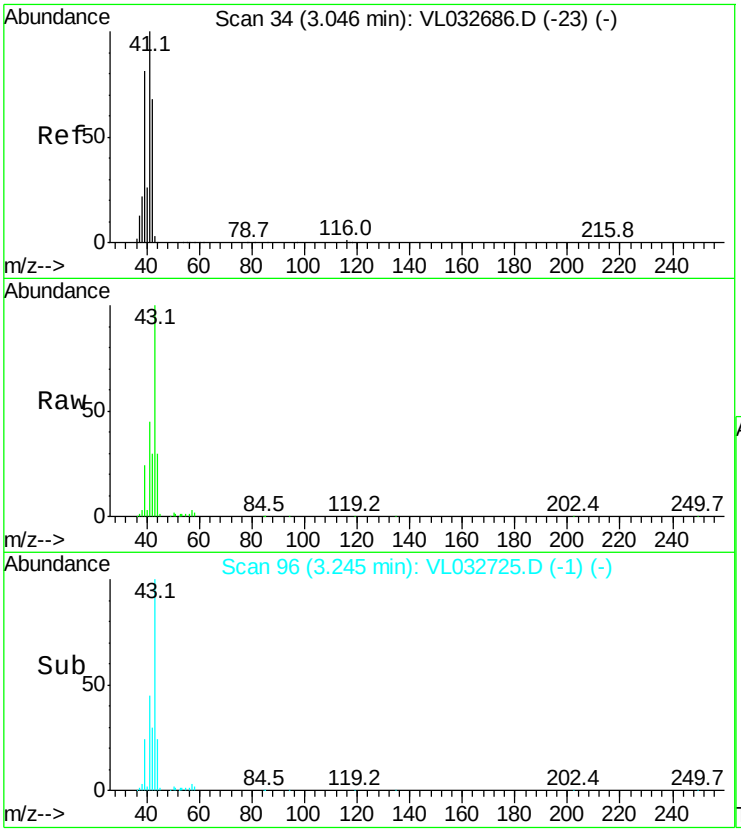


#4
Chloromethane
Concen: 0.473 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 50 Resp: 28232

Ion	Ratio	Lower	Upper
50	100		
52	28.4	25.9	38.9



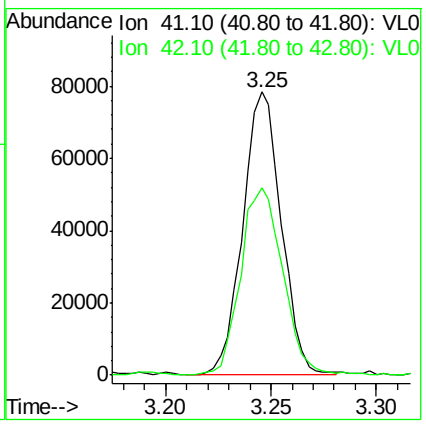


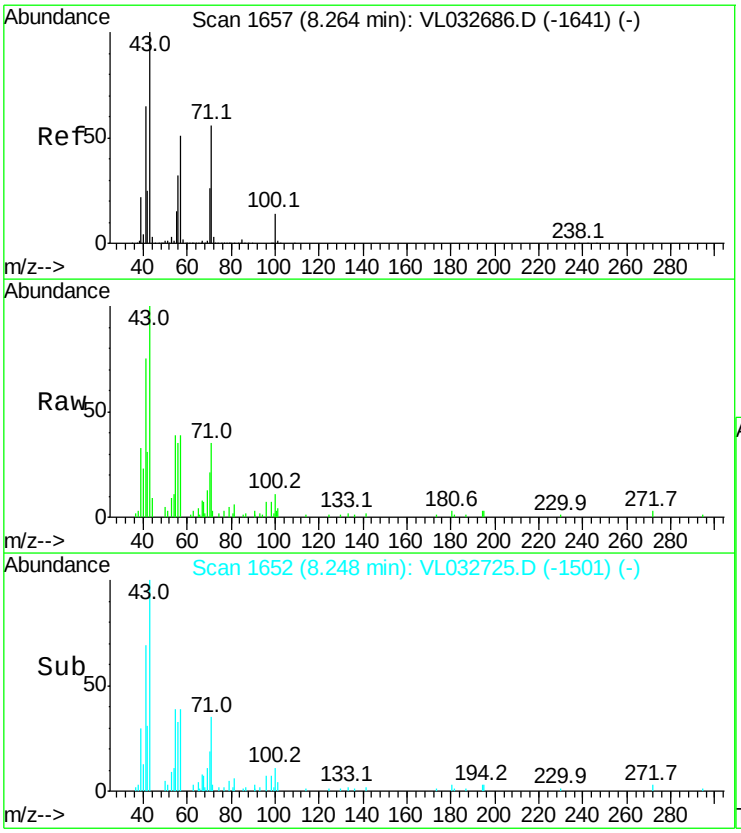
#9
Propene
Concen: 2.268 ppbv
RT: 3.25 min Scan# 96
Delta R.T. 0.20 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument :
MSVOA_L
ClientSampleId :
AA-01

Tgt Ion: 41 Resp: 99590

Ion	Ratio	Lower	Upper
41	100		
42	72.6	55.4	83.0

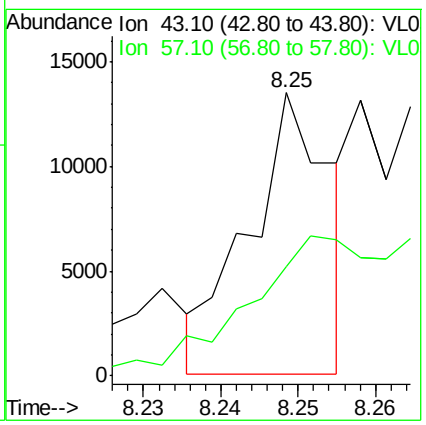


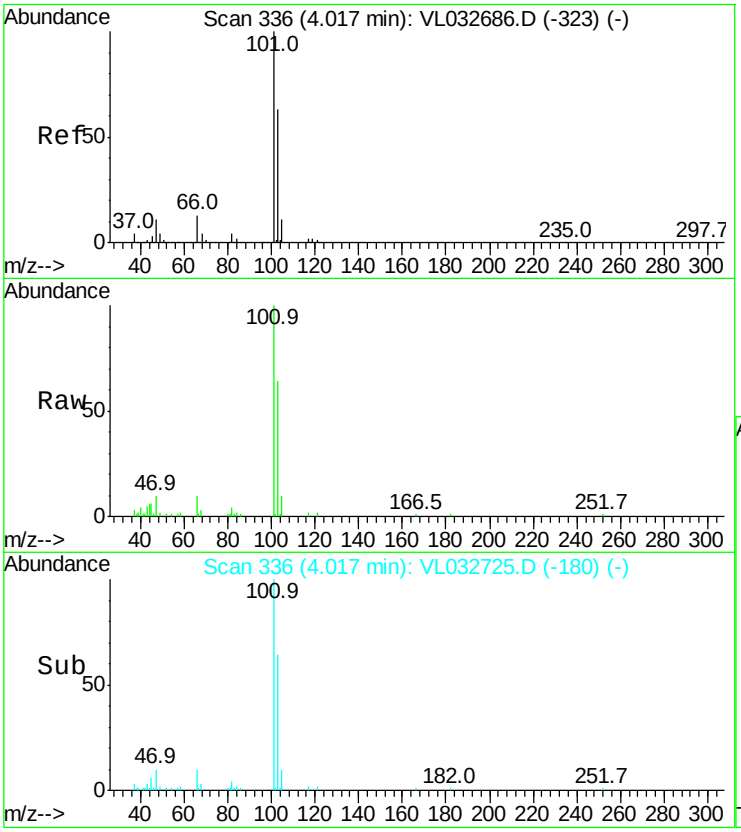


#10
Heptane
Concen: 0.058 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 43 Resp: 9744

Ion	Ratio	Lower	Upper
43	100		
57	138.7	41.5	62.3#



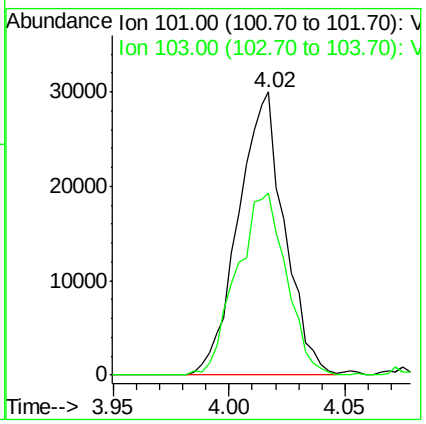


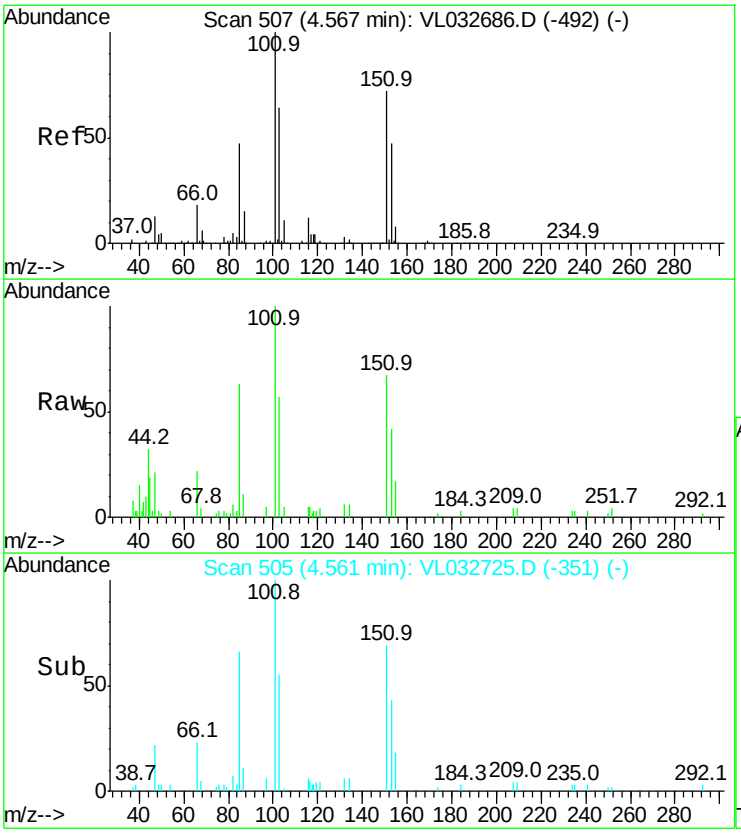
#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion:101 Resp: 41580

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.2

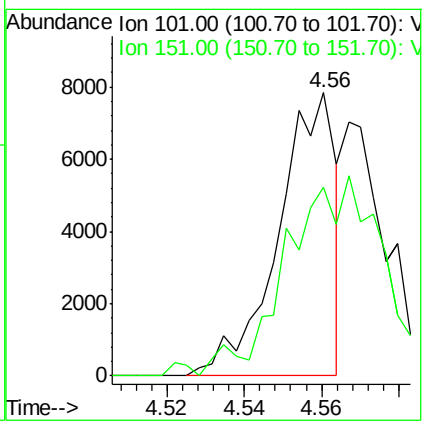


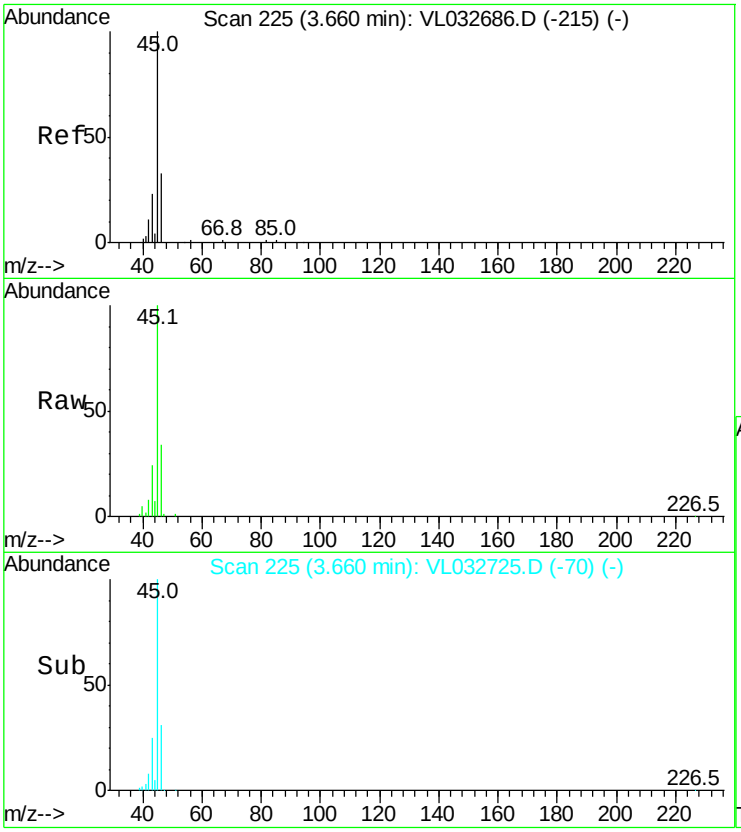


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.053 ppbv
RT: 4.56 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion:101 Resp: 8066

Ion	Ratio	Lower	Upper
101	100		
151	0.0	52.3	78.5#



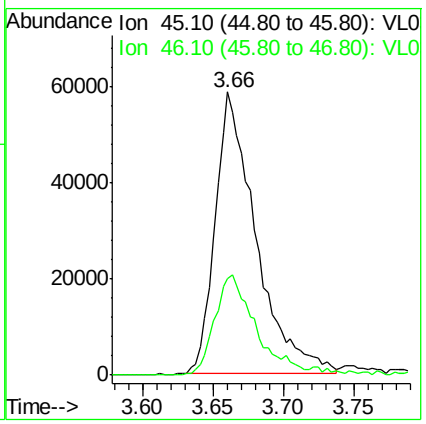


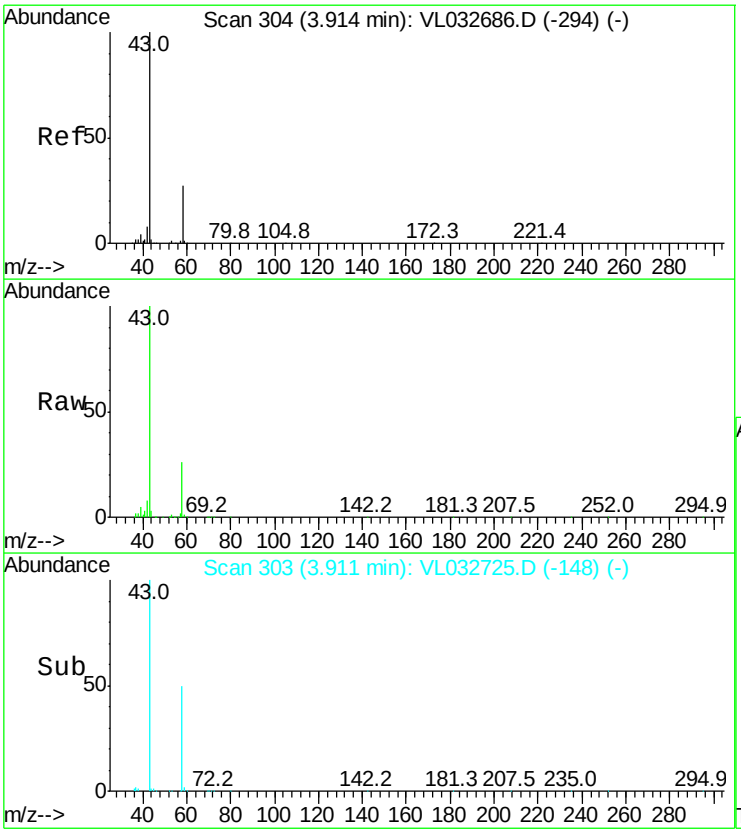
#13
Ethanol
Concen: 9.368 ppbv
RT: 3.66 min Scan# 225
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument :
MSVOA_L
ClientSampleId :
AA-01

Tgt Ion: 45 Resp: 117588

Ion	Ratio	Lower	Upper
45	100		
46	37.8	15.4	61.8

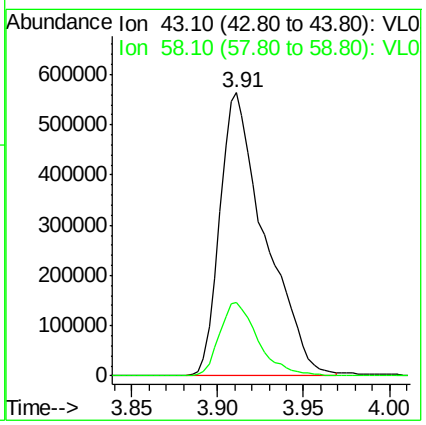


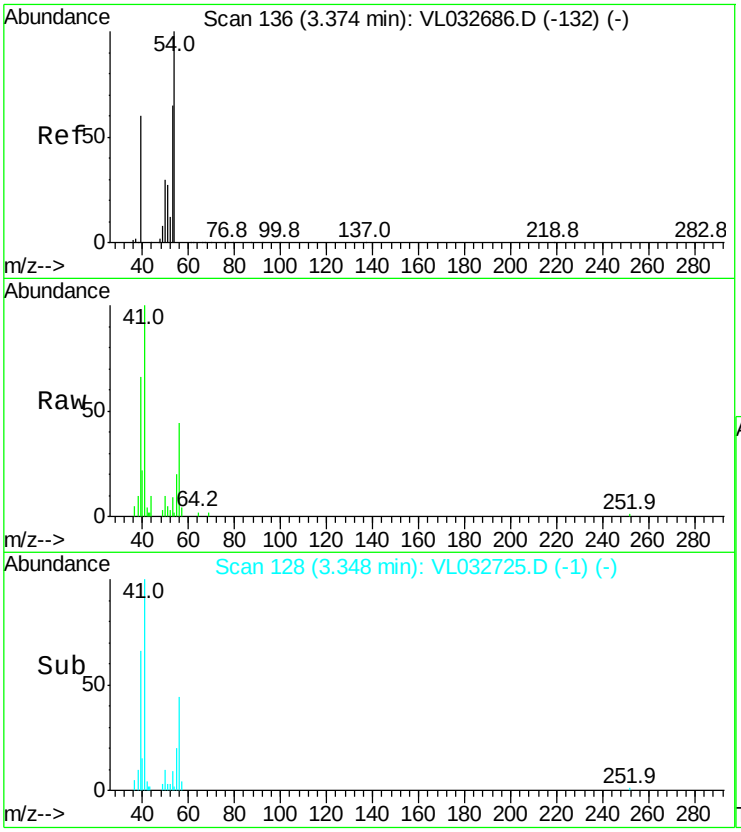


#15
Acetone
Concen: 8.225 ppbv
RT: 3.91 min Scan# 303
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 43 Resp: 1036478

Ion	Ratio	Lower	Upper
43	100		
58	22.4	22.1	33.1



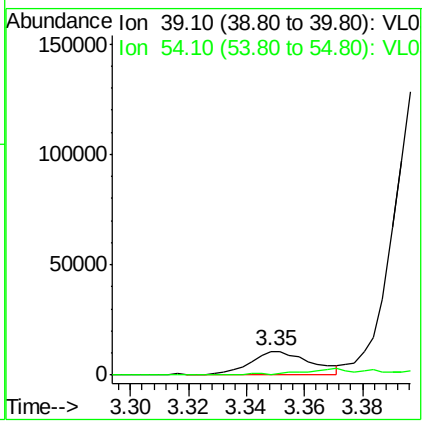


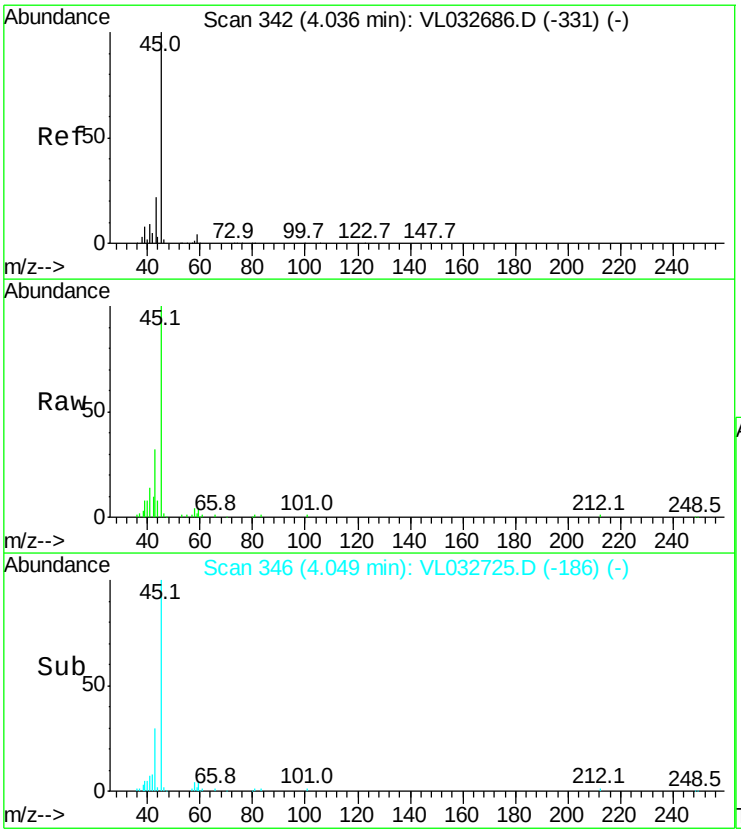
#16
1,3-Butadiene
Concen: 0.341 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.03 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument :
MSVOA_L
ClientSampleId :
AA-01

Tgt Ion: 39 Resp: 15817

Ion	Ratio	Lower	Upper
39	100		
54	0.0	90.4	135.6#

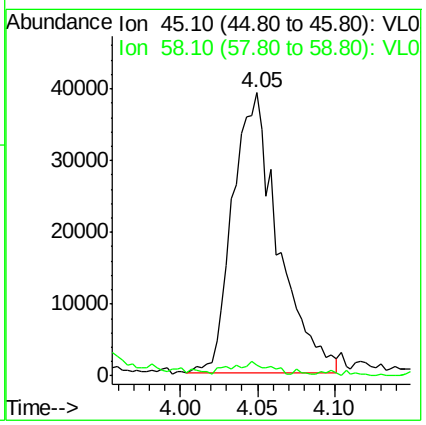


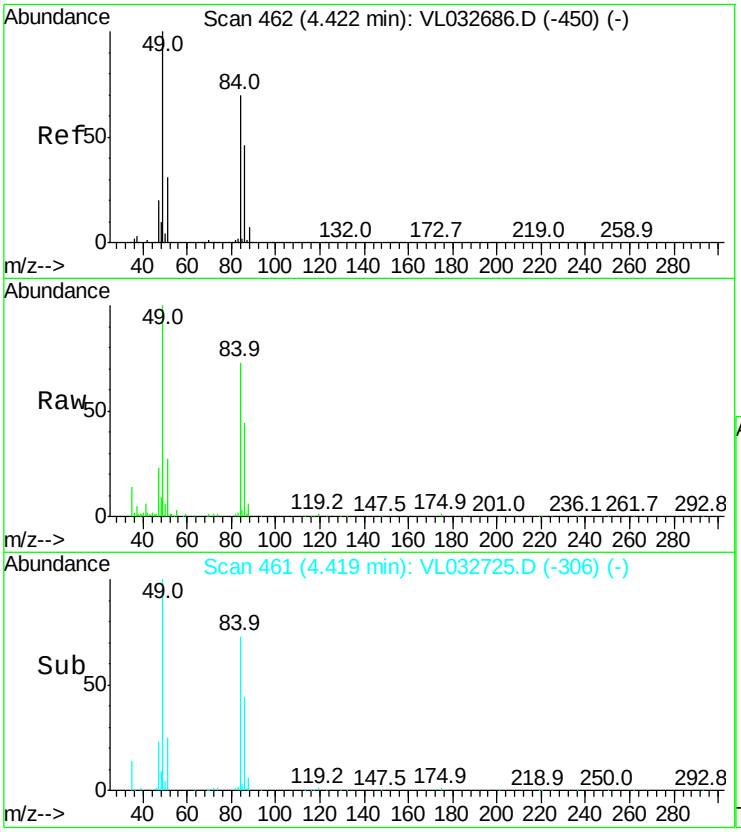


#19
Isopropyl Alcohol
Concen: 0.890 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.02 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 45 Resp: 79905

Ion	Ratio	Lower	Upper
45	100		
58	291.8	2.0	3.0#



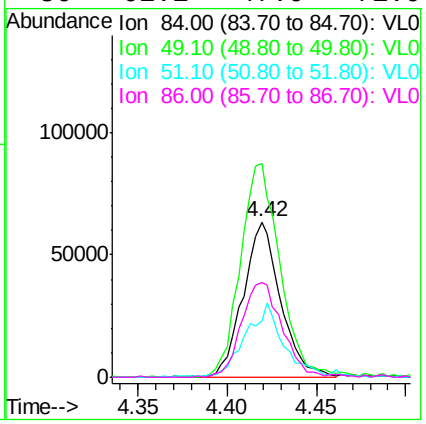


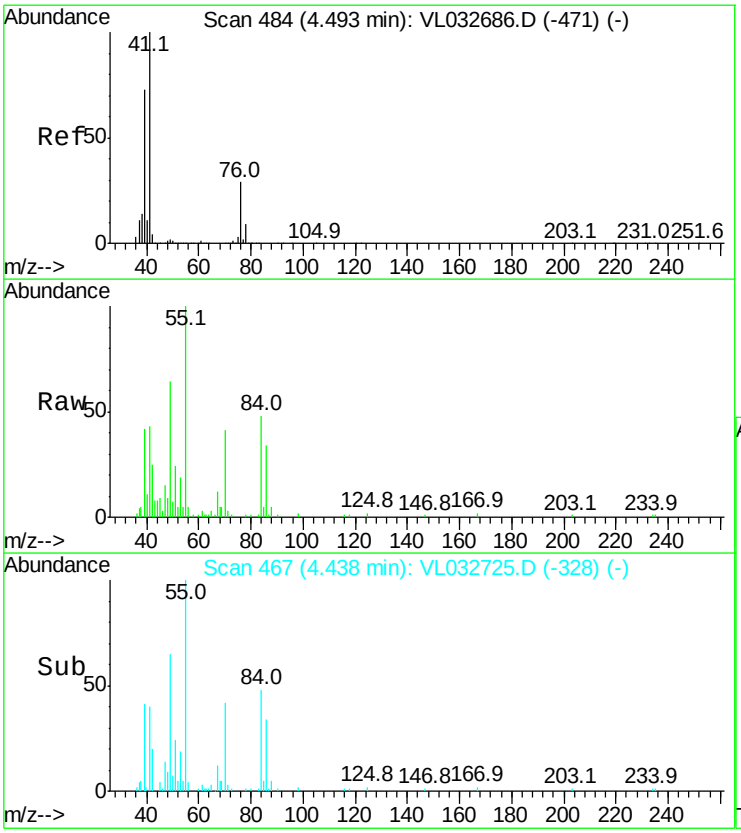
#20
Methylene Chloride
Concen: 1.459 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 84 Resp: 93334

Ion	Ratio	Lower	Upper
84	100		
49	137.3	113.5	170.3
51	35.5	34.8	52.2
86	61.1	47.9	71.9

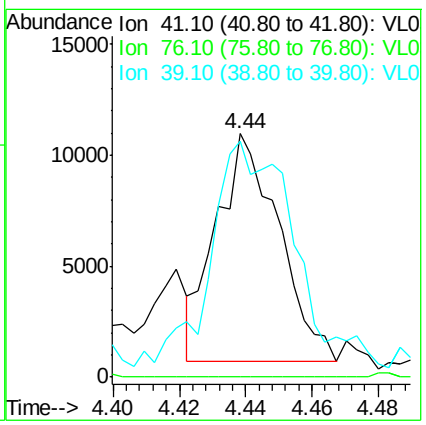


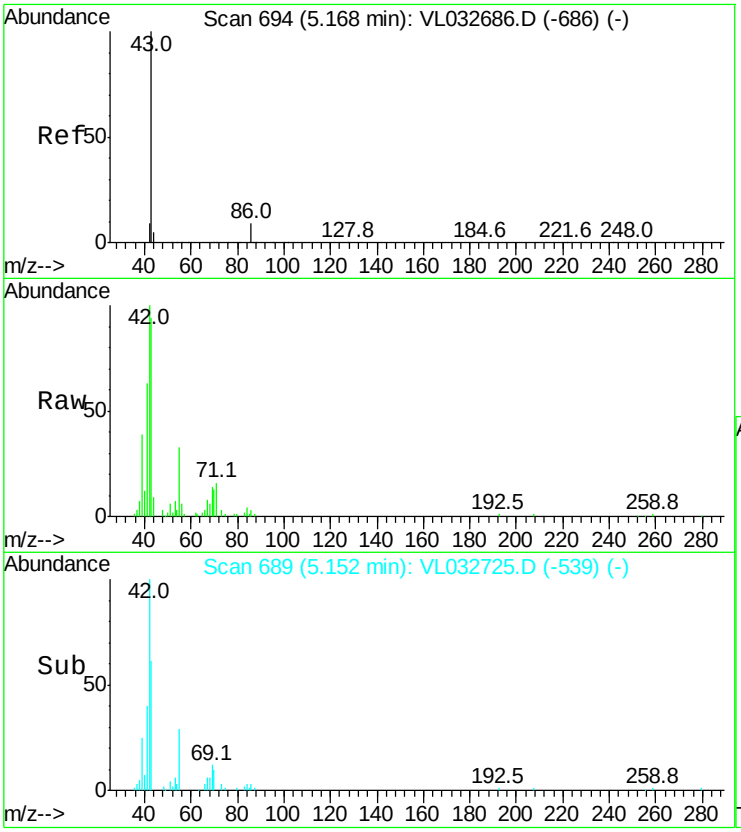


#21
Allyl Chloride
Concen: 0.130 ppbv
RT: 4.44 min Scan# 467
Delta R.T. -0.05 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 41 Resp: 13494

Ion	Ratio	Lower	Upper
41	100		
76	1.3	24.3	36.5#
39	150.4	60.3	90.5#



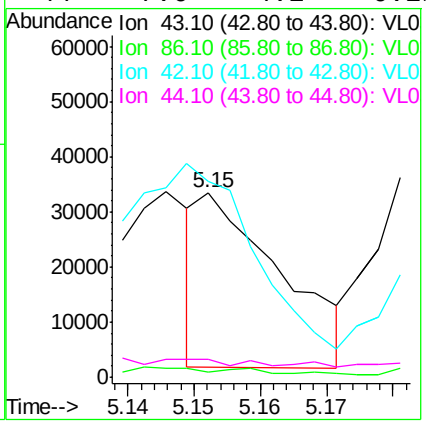


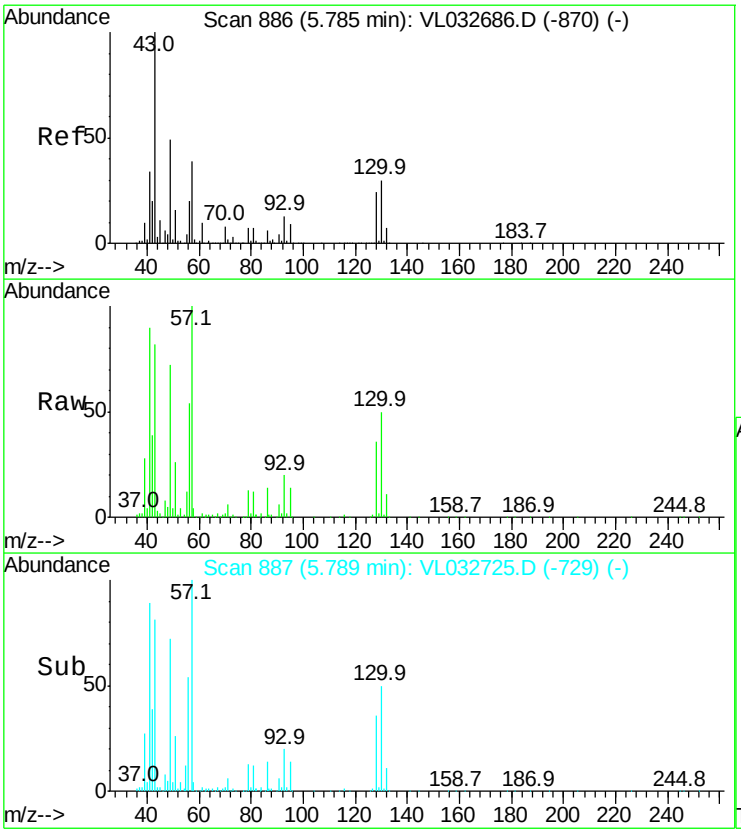
#23
Vinyl Acetate
Concen: 0.121 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 43 Resp: 26946

Ion	Ratio	Lower	Upper
43	100		
86	1.2	6.1	9.1#
42	147.6	7.4	11.2#
44	7.6	4.2	6.2#

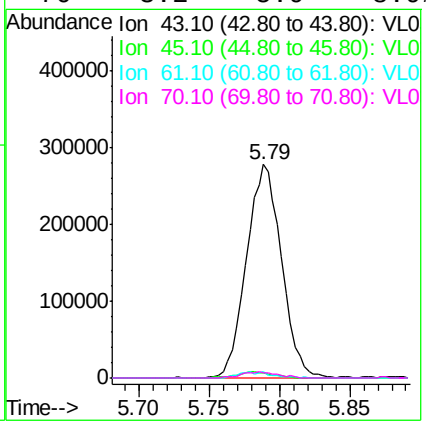


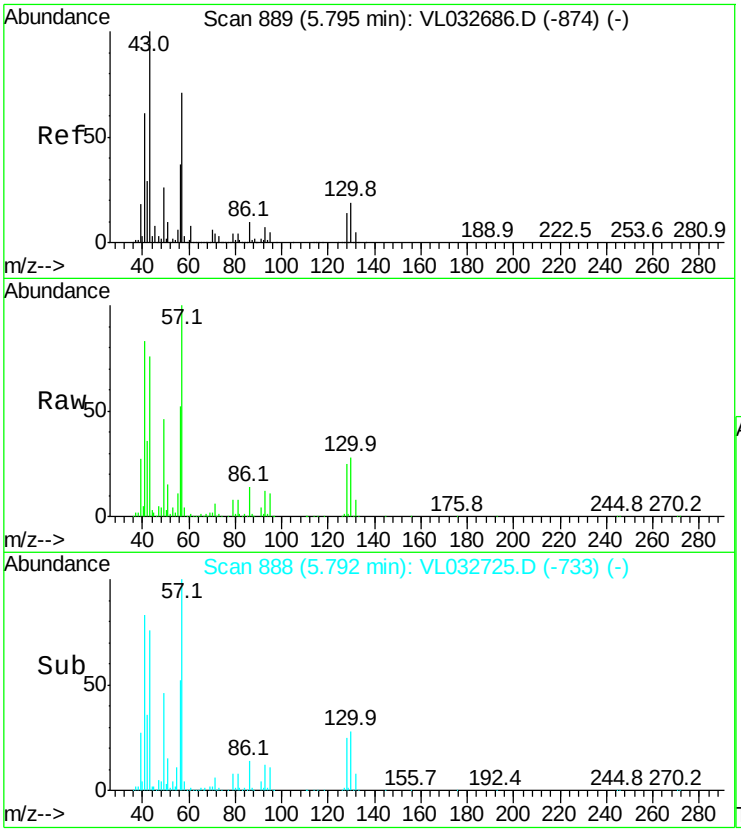


#25
Ethyl Acetate
Concen: 1.668 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 43 Resp: 483881

Ion	Ratio	Lower	Upper
43	100		
45	3.0	8.0	12.0#
61	2.6	8.0	12.0#
70	3.2	5.9	8.9#



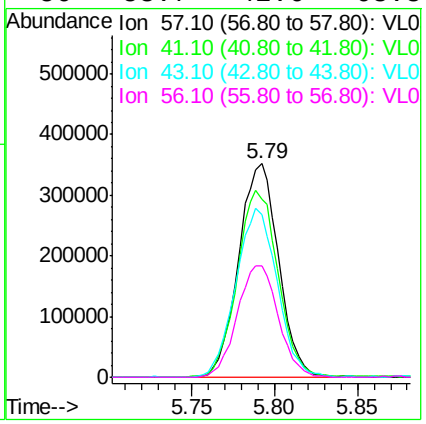


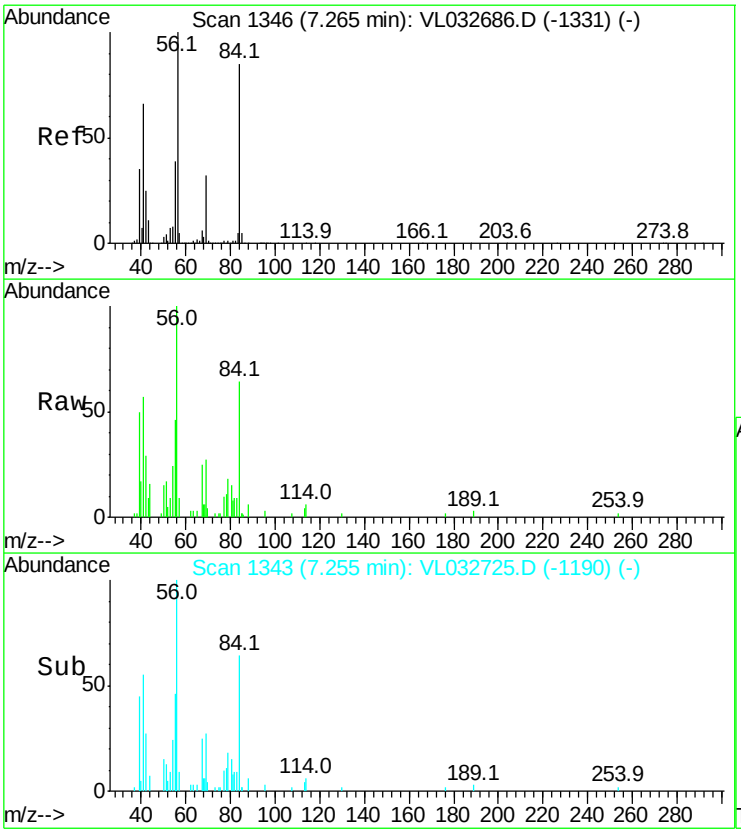
#26
Hexane
Concen: 4.293 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 57 Resp: 589198

Ion	Ratio	Lower	Upper
57	100		
41	90.2	67.4	101.0
43	82.3	171.9	257.9#
56	53.7	42.6	63.8

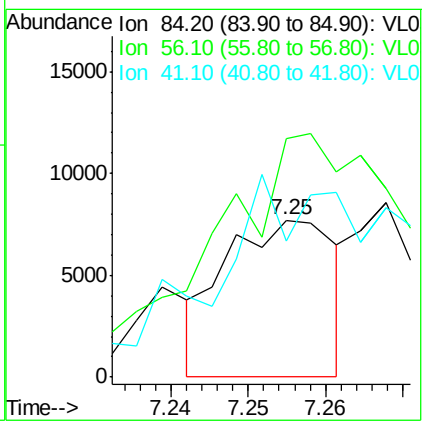


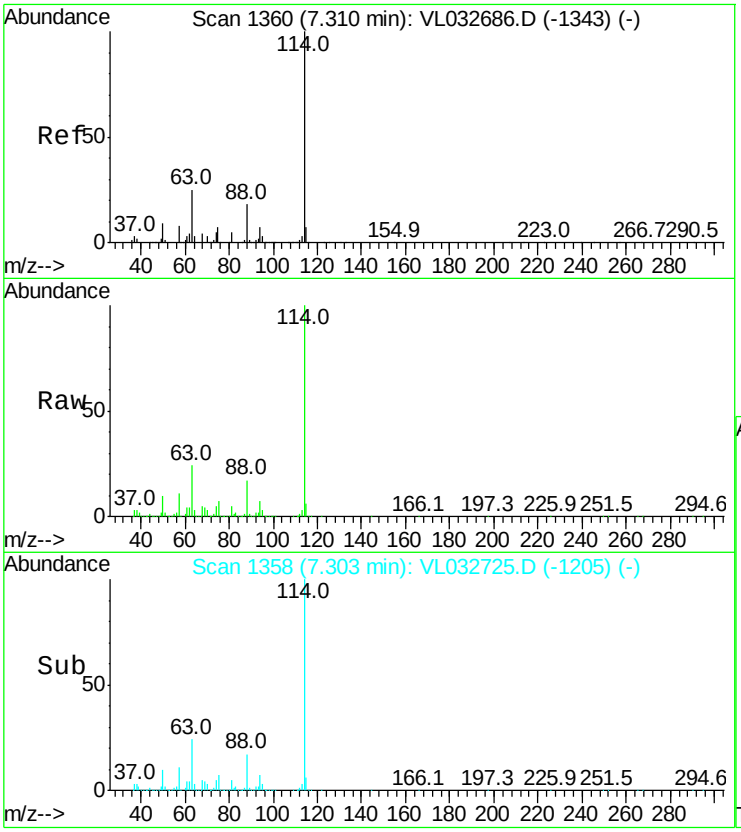


#30
Cyclohexane
Concen: 0.070 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 84 Resp: 7628

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.3	162.5#
41	283.3	64.8	97.2#



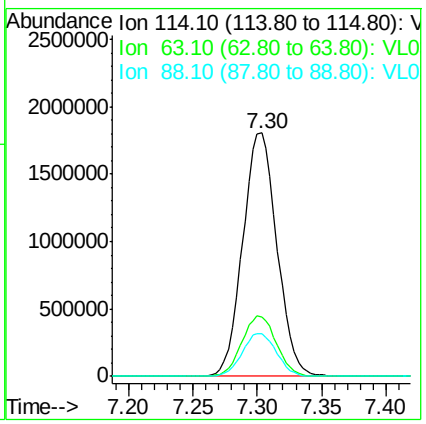


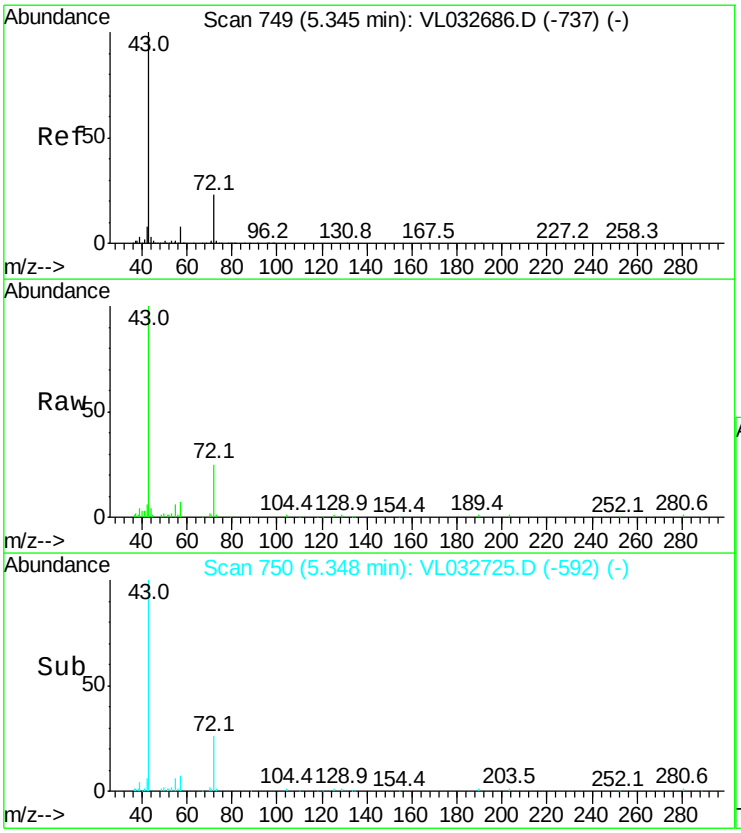
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument :
MSVOA_L
ClientSampleId :
AA-01

Tgt Ion:114 Resp: 3336582

Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.7	32.5
88	17.6	14.9	22.3

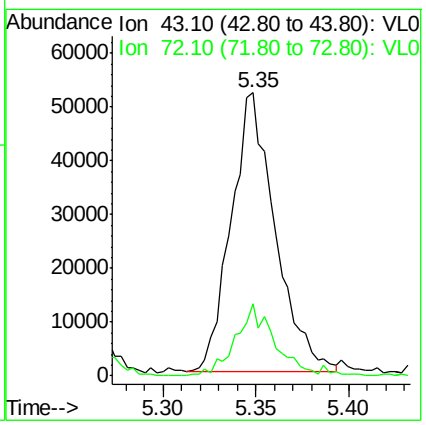


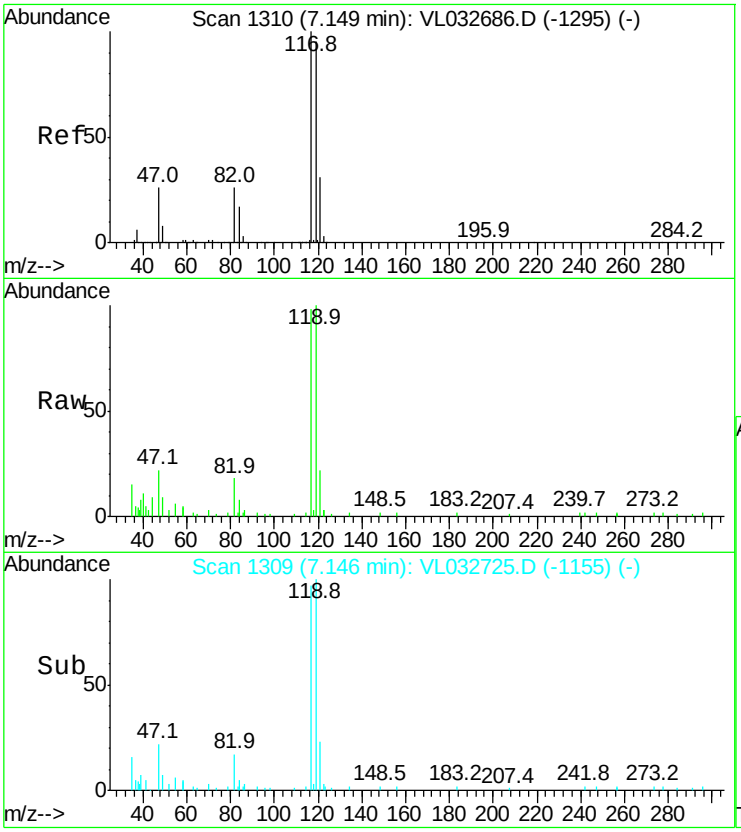


#34
2-Butanone
Concen: 0.479 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 43 Resp: 85761

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.6	27.8



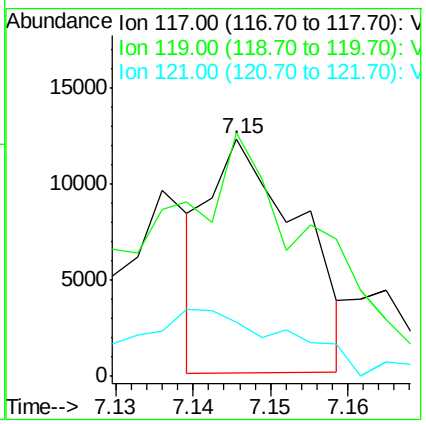


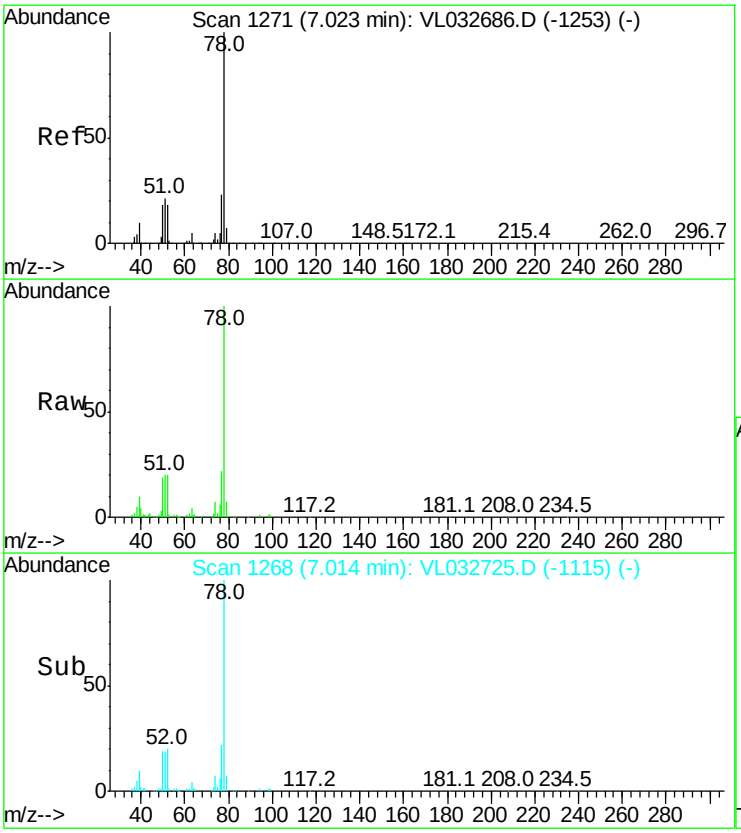
#35
Carbon Tetrachloride
Concen: 0.042 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion:117 Resp: 9862

Ion	Ratio	Lower	Upper
117	100		
119	62.2	75.7	113.5#
121	13.1	24.7	37.1#

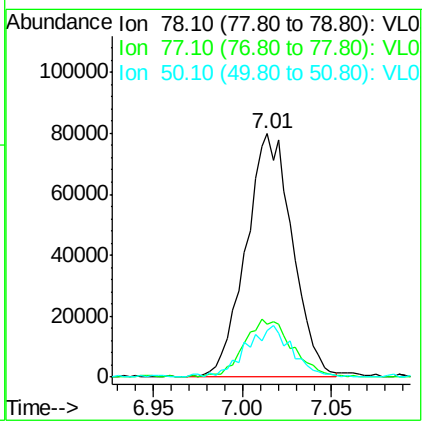


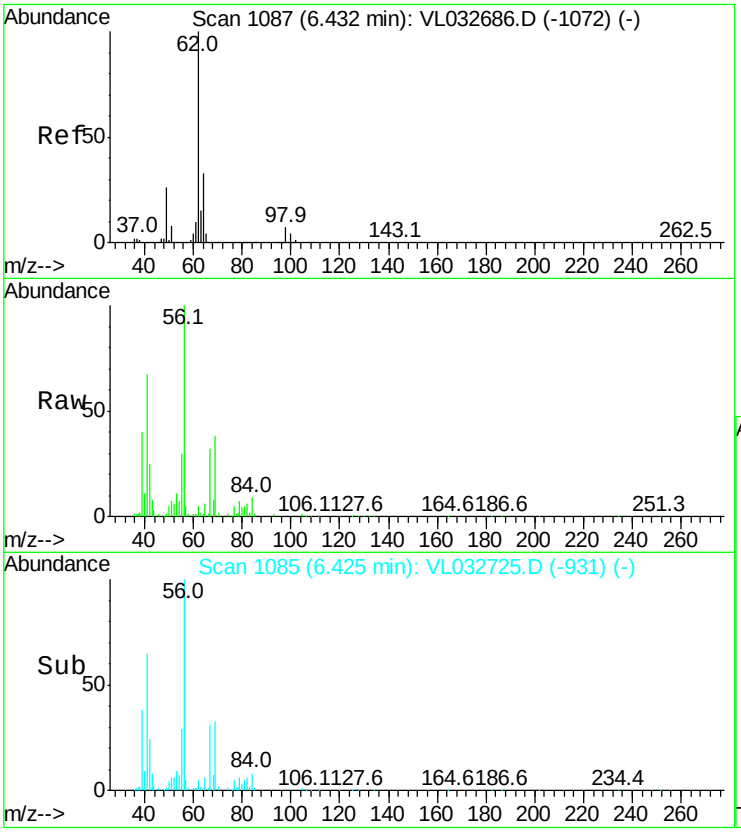


#36
Benzene
Concen: 0.538 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 78 Resp: 145690

Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.1	27.1
50	18.6	15.1	22.7



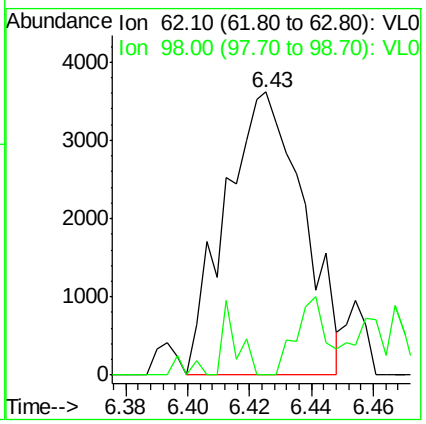


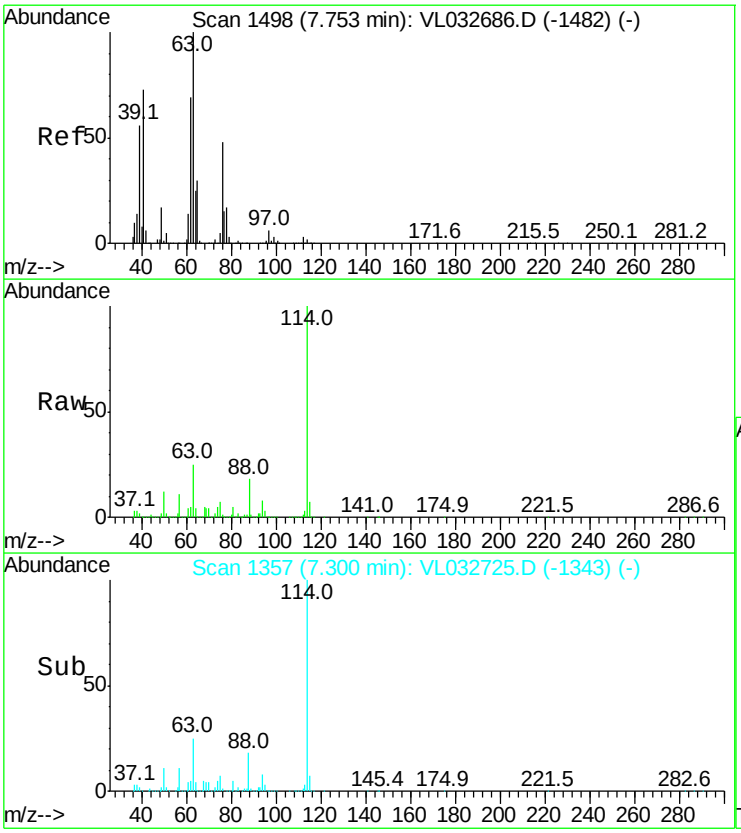
#37
1,2-Dichloroethane
Concen: 0.038 ppbv
RT: 6.43 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 62 Resp: 6315

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.4	6.6#

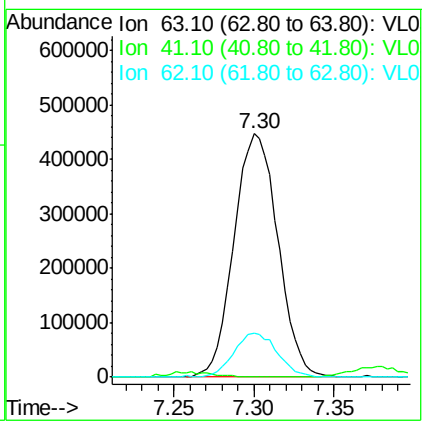


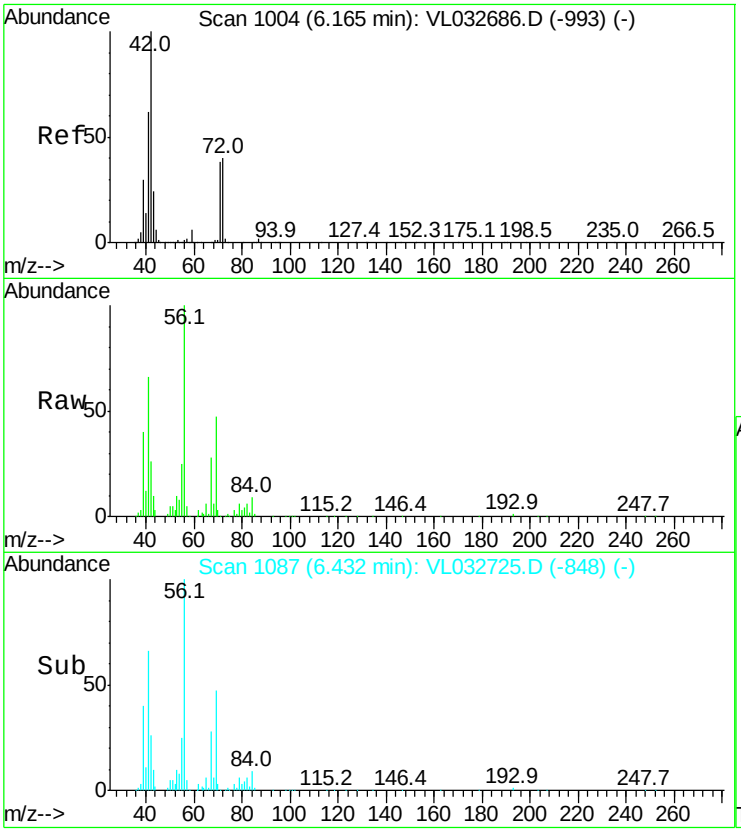


#39
1,2-Dichloropropane
Concen: 8.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.45 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 63 Resp: 837056

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	18.1	54.4	81.6#



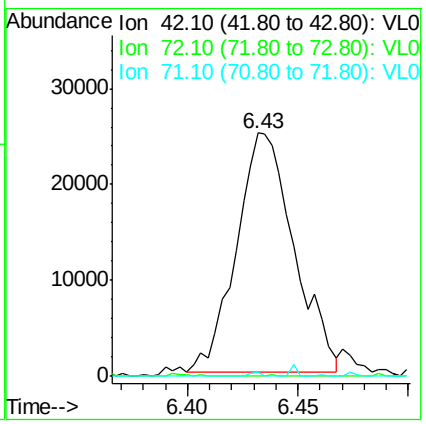


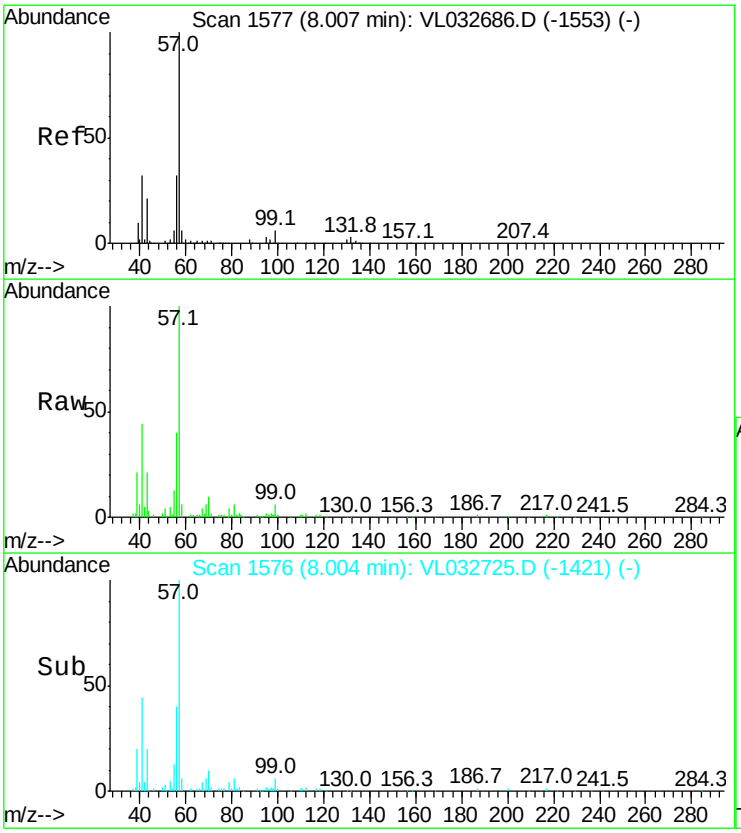
#41
Tetrahydrofuran
Concen: 0.453 ppbv
RT: 6.43 min Scan# 1087
Delta R.T. 0.27 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 42 Resp: 45175

Ion	Ratio	Lower	Upper
42	100		
72	0.3	32.4	48.6#
71	0.0	31.3	46.9#

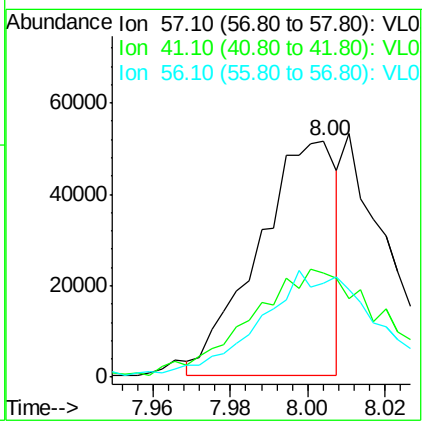


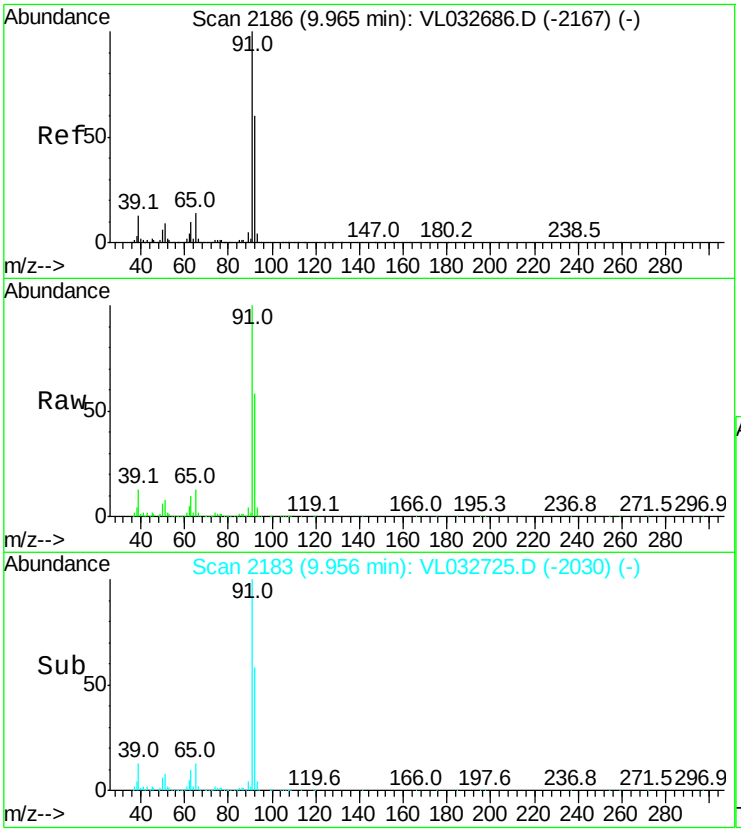


#44
2,2,4-Trimethylpentane
Concen: 0.157 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 57 Resp: 72466

Ion	Ratio	Lower	Upper
57	100		
41	82.6	24.7	37.1#
56	66.1	25.0	37.4#



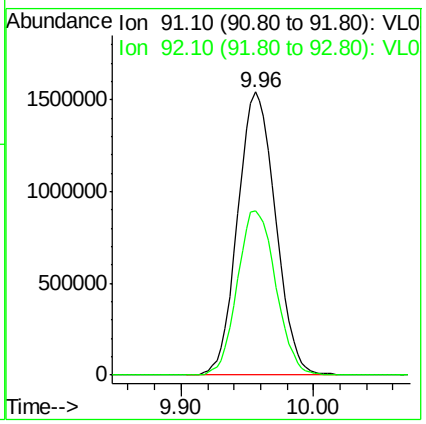


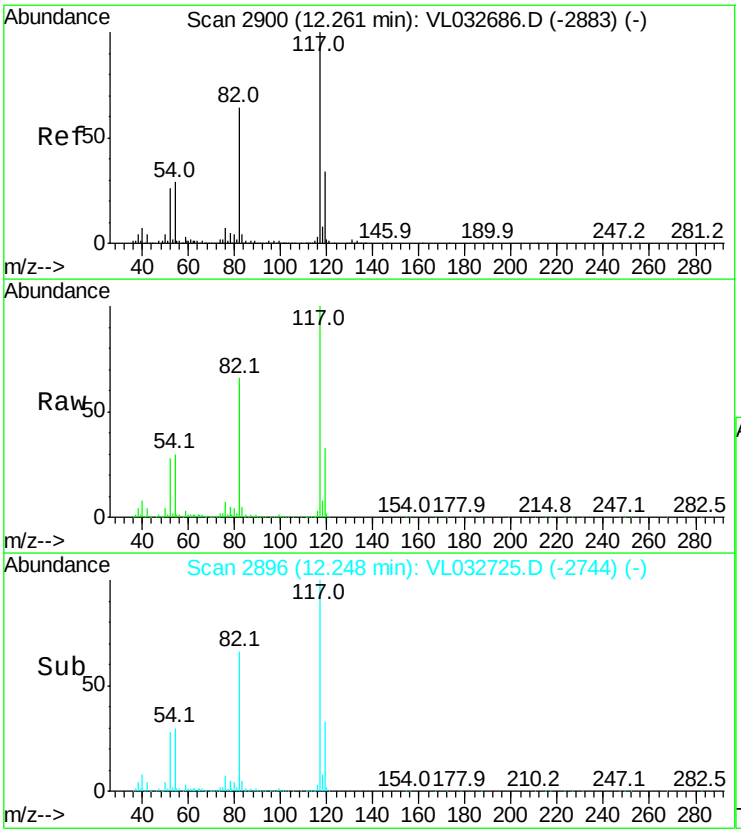
#53
Toluene
Concen: 9.833 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 91 Resp: 3054128

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.4	72.6

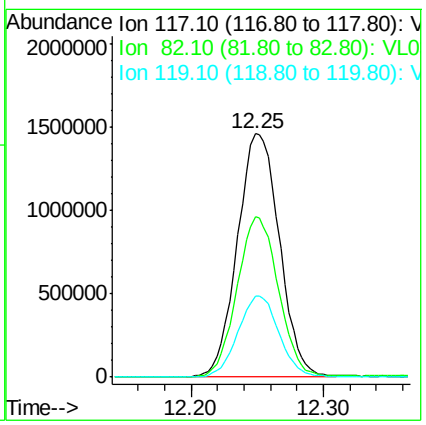


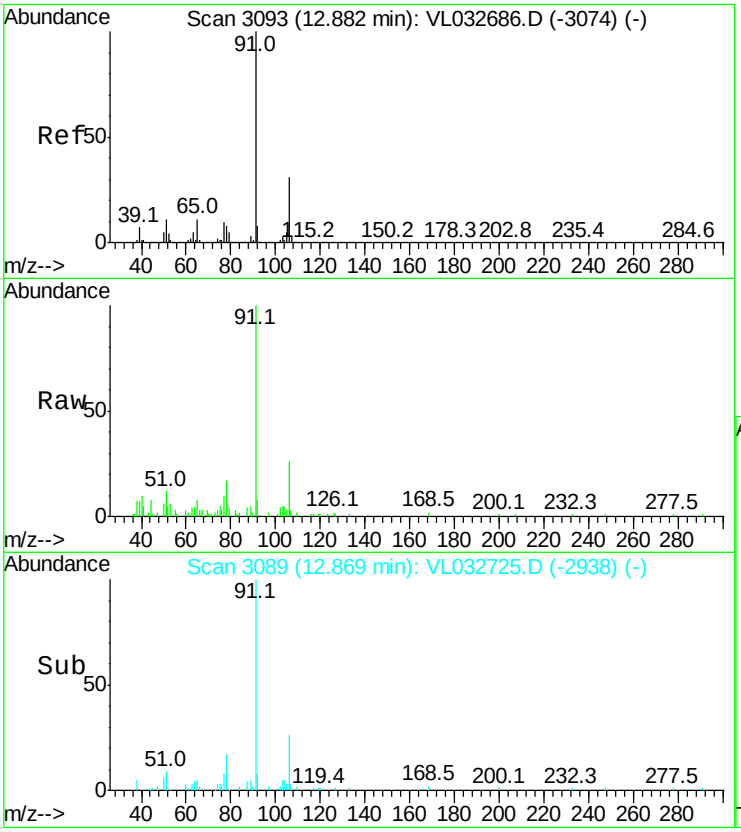


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion:117 Resp: 3220446

Ion	Ratio	Lower	Upper
117	100		
82	65.3	52.7	79.1
119	32.7	26.7	40.1



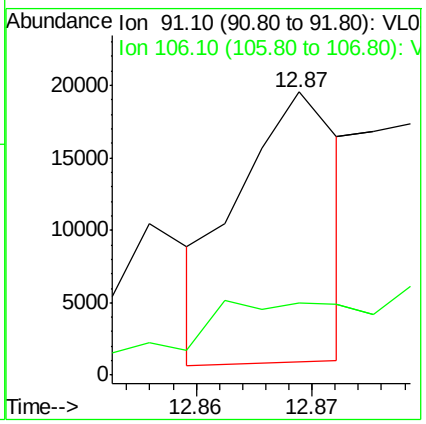


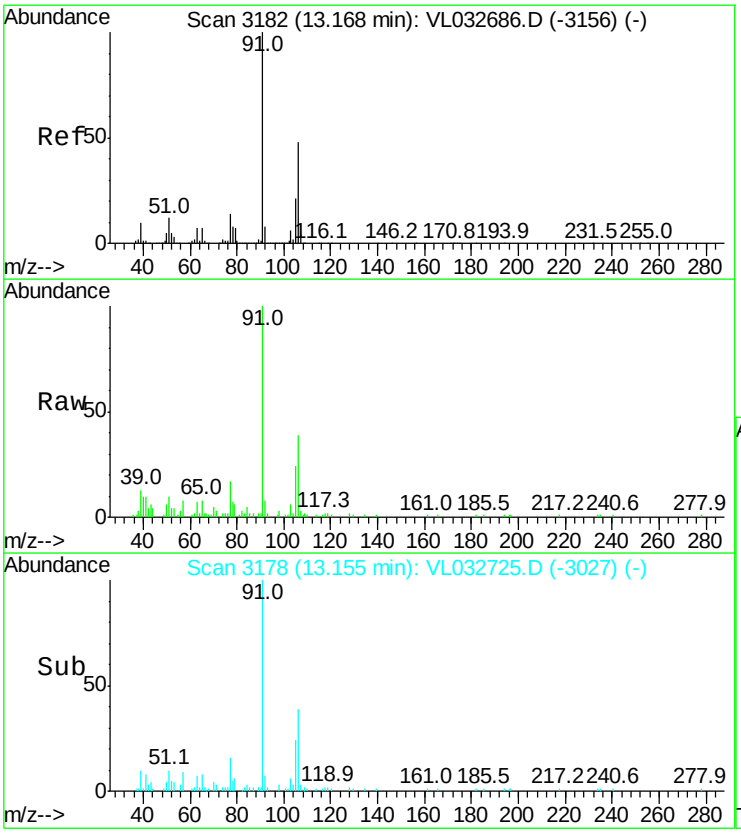
#58
Ethyl Benzene
Concen: 0.030 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 91 Resp: 11340

Ion	Ratio	Lower	Upper
91	100		
106	36.1	24.2	36.2

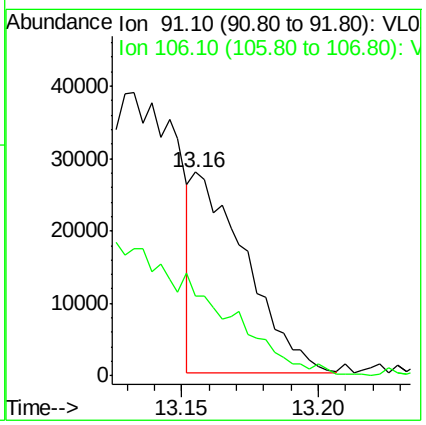


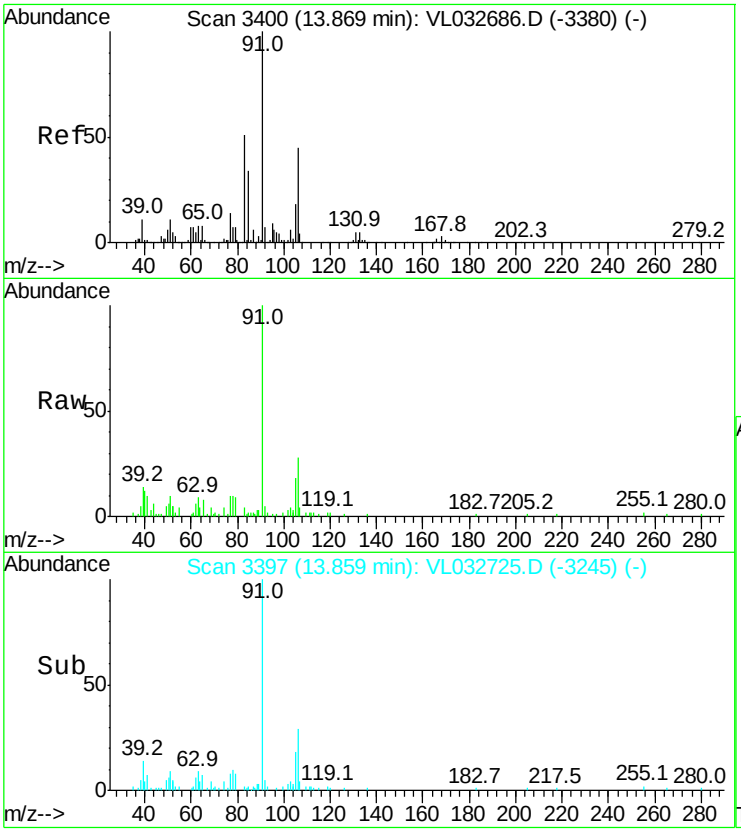


#59
m/p-Xylene
Concen: 0.114 ppbv
RT: 13.16 min Scan# 3178
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 91 Resp: 37901

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#



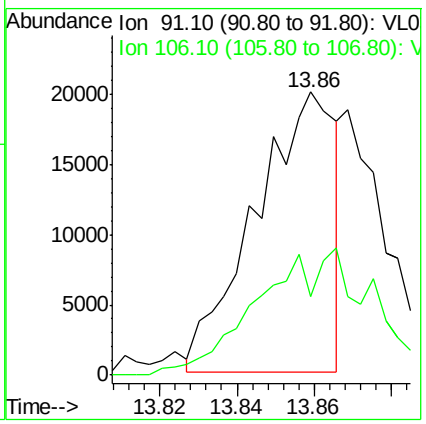


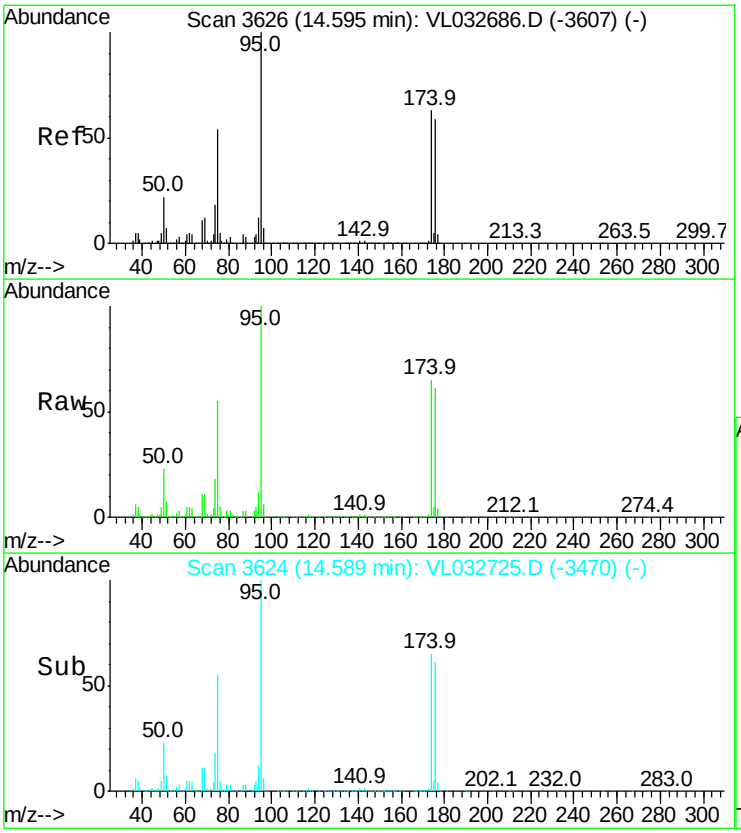
#60
o-Xylene
Concen: 0.090 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument : MSVOA_L
ClientSampleId : AA-01

Tgt Ion: 91 Resp: 28791

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.1	66.1#

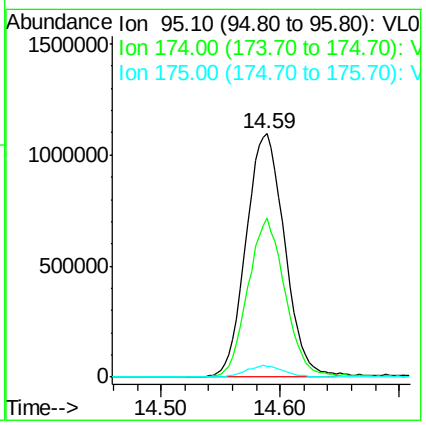


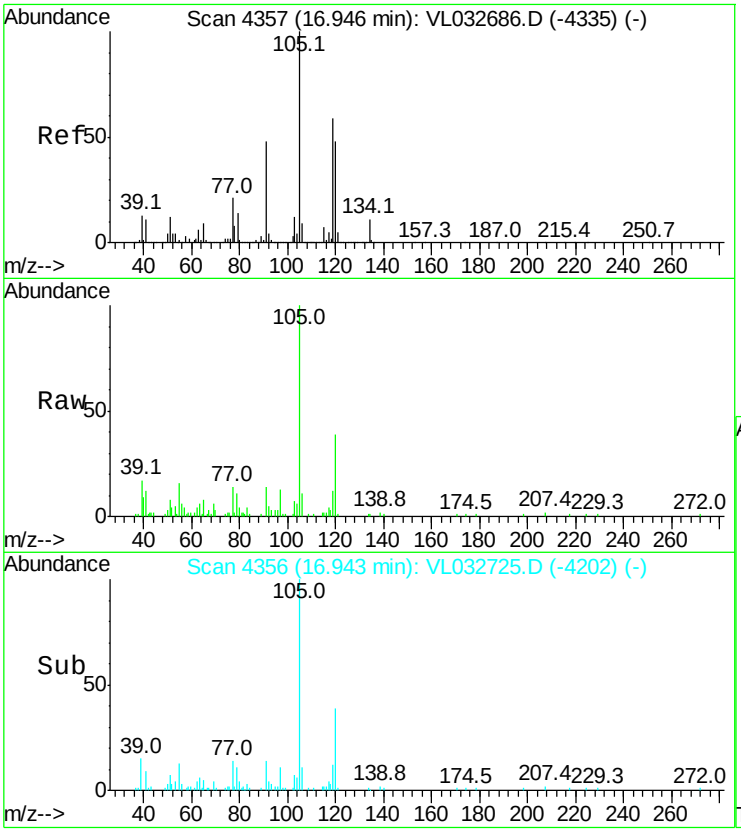


#68
1-Bromo-4-Fluorobenzene
Concen: 10.252 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Tgt Ion: 95 Resp: 2458383

Ion	Ratio	Lower	Upper
95	100		
174	63.9	46.0	69.0
175	4.6	3.4	5.0





#74
1,2,4-Trimethylbenzene
Concen: 0.184 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. -0.00 min
Lab File: VL032725.D
Acq: 7 Nov 2018 20:20

Instrument :
MSVOA_L
ClientSampleId :
AA-01

Tgt Ion:105 Resp: 65643

Ion	Ratio	Lower	Upper
105	100		
120	39.8	35.8	53.8
91	13.8	33.2	49.8#
77	13.0	16.2	24.4#