Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071818\
Data File : VL032276.D
Acq On : 19 Jul 2018 1:08
Operator : SY/AP
Sample : J3454-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 19 04:11:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.84	49	1689759	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.37	114	3465348	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.33	117	4061494	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.66	95	3214313	9.76	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.13	85	23005	0.080	ppbv		90
3) Chlorodifluoromethane	3.04	51	116578	0.615	ppbv	#	68
4) Chloromethane	3.22	50	5359	0.048	ppbv	#	84
9) Propene	3.09	41	2583	0.031	ppbv	#	15
10) Heptane	8.33	43	5911	0.022	ppbv	#	62
13) Ethanol	3.72	45	153767	6.494	ppbv		98
15) Acetone	3.97	43	240449	1.360	ppbv		97
19) Isopropyl Alcohol	4.12	45	34253	0.286	ppbv	#	88
20) Methylene Chloride	4.48	84	53092	0.780	ppbv		93
23) Vinyl Acetate	5.22	43	17539	0.055	ppbv	#	85
25) Ethyl Acetate	5.86	43	210222	0.546	ppbv	#	79
26) Hexane	5.86	57	279829	1.582	ppbv	#	44
34) 2-Butanone	5.42	43	16202	0.068	ppbv	#	66
39) 1,2-Dichloropropane	7.37	63	979144	7.251	ppbv	#	25
53) Toluene	10.03	91	11919	0.029	ppbv	#	20
60) o-Xylene	13.94	91	15613	0.032	ppbv		79

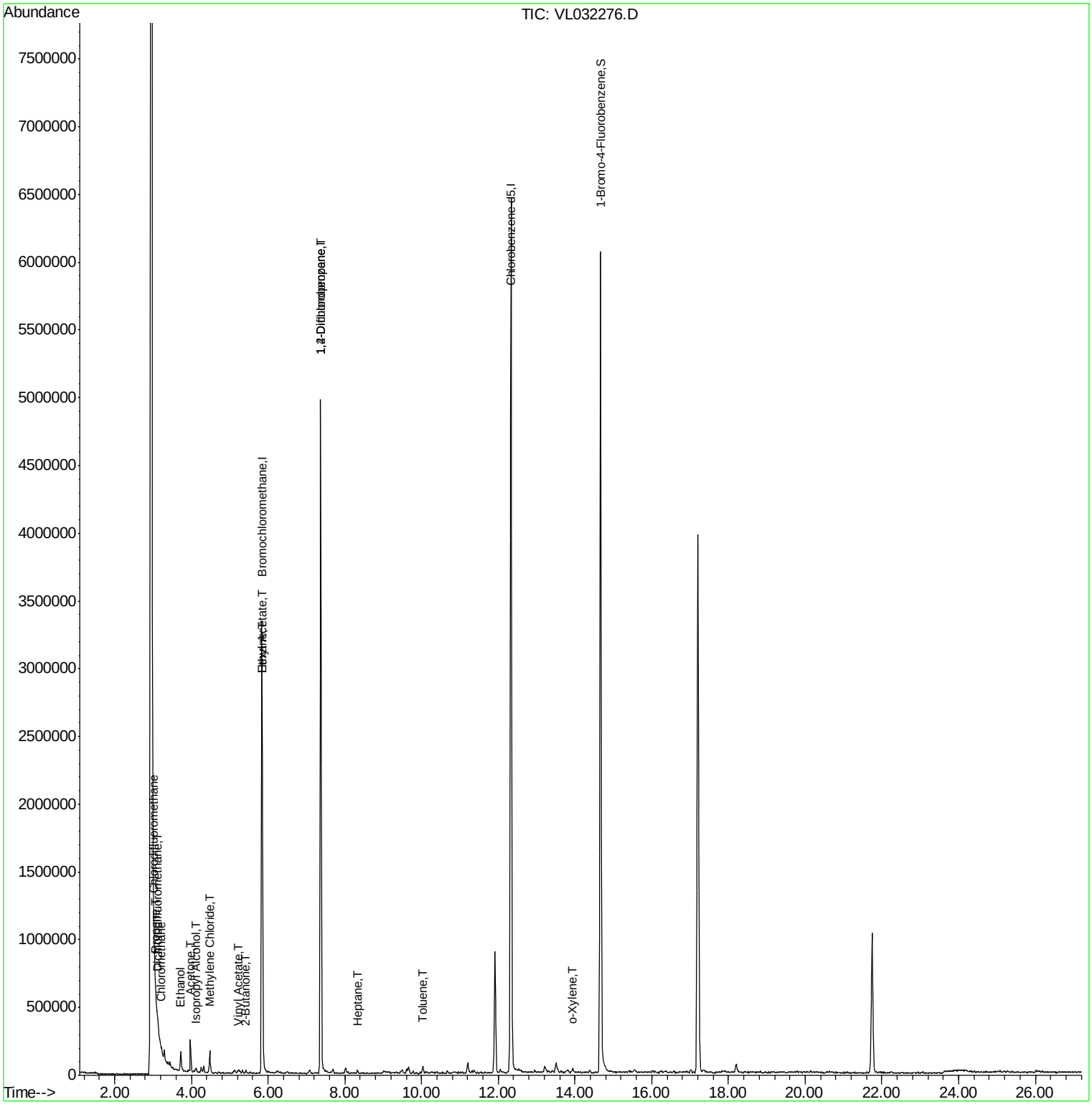
(#) = qualifier out of range (m) = manual integration (+) = signals summed

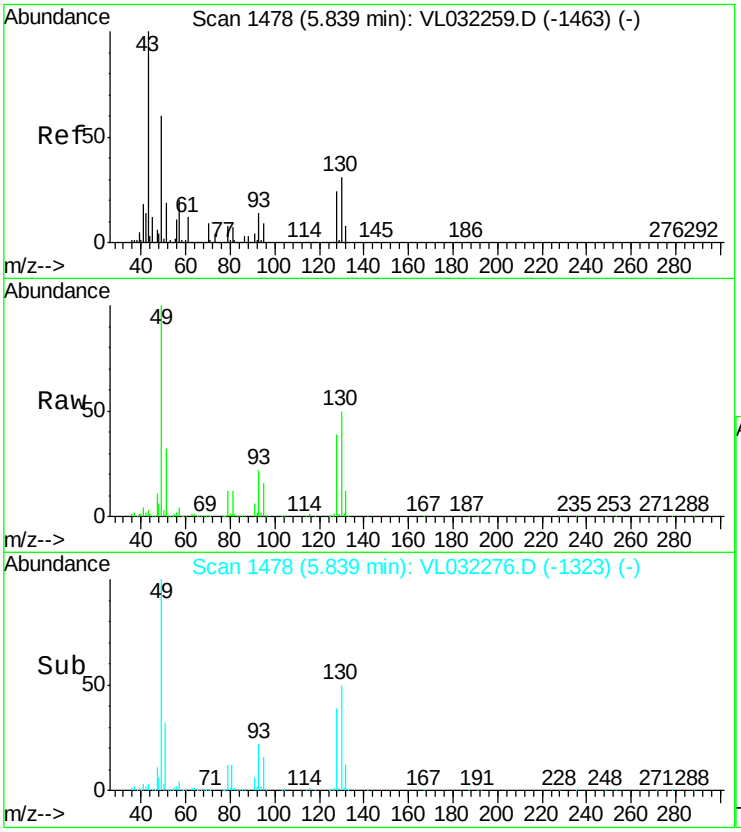
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071818\
Data File : VL032276.D
Acq On : 19 Jul 2018 1:08
Operator : SY/AP
Sample : J3454-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 19 04:11:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration



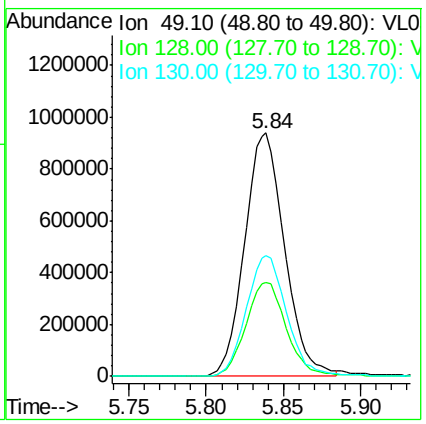


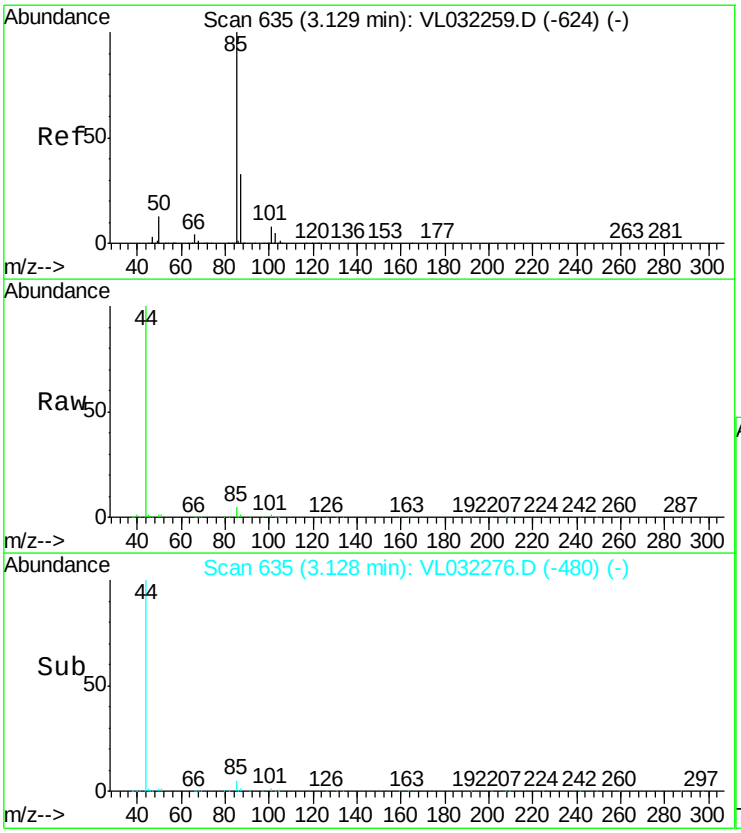
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1689759

Ion	Ratio	Lower	Upper
49	100		
128	39.7	20.1	60.2
130	51.2	25.9	77.6

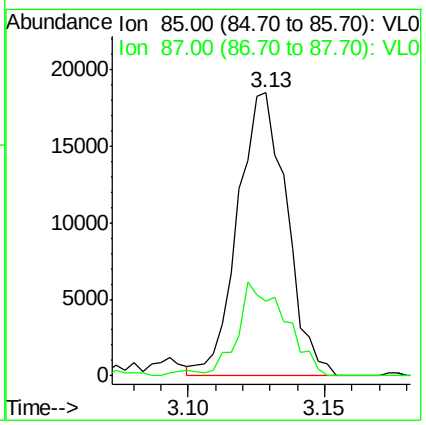


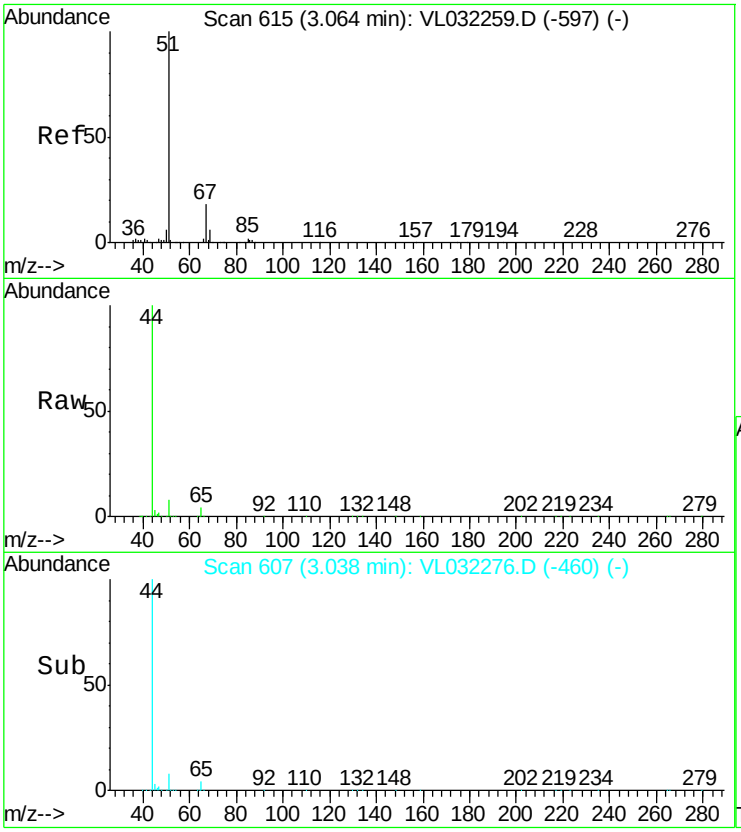


#2
Dichlorodifluoromethane
Concen: 0.080 ppbv
RT: 3.13 min Scan# 635
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 85 Resp: 23005

Ion	Ratio	Lower	Upper
85	100		
87	26.9	26.2	39.2



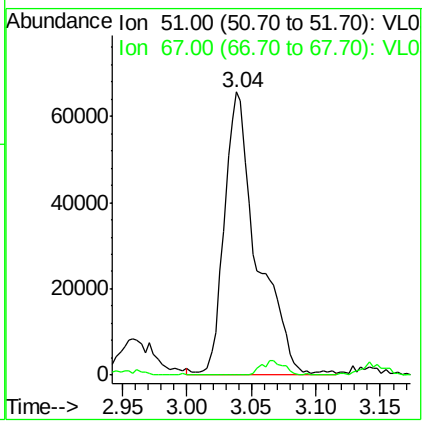


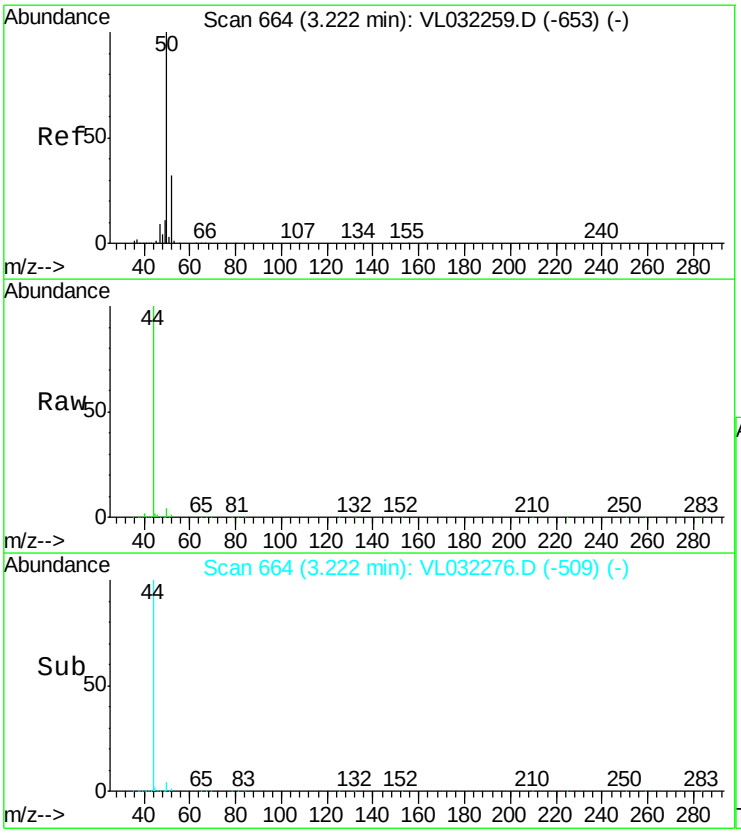
#3
Chlorodifluoromethane
Concen: 0.615 ppbv
RT: 3.04 min Scan# 607
Delta R.T. -0.03 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 116578

Ion	Ratio	Lower	Upper
51	100		
67	3.6	14.2	21.4#

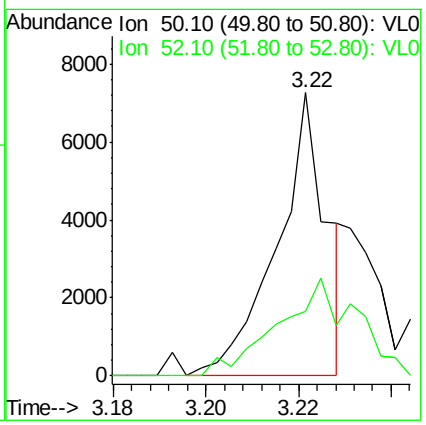


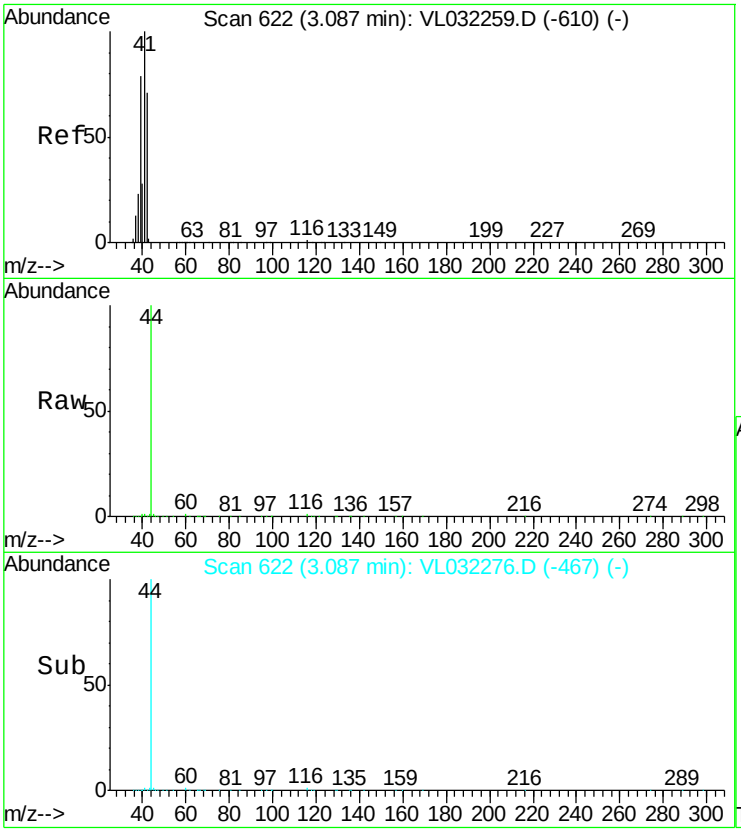


#4
Chloromethane
Concen: 0.048 ppbv
RT: 3.22 min Scan# 664
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 50 Resp: 5359

Ion	Ratio	Lower	Upper
50	100		
52	22.7	25.3	37.9#



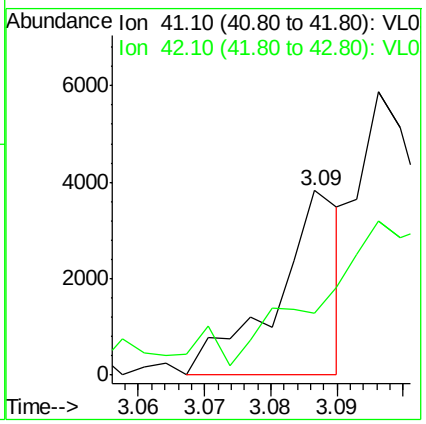


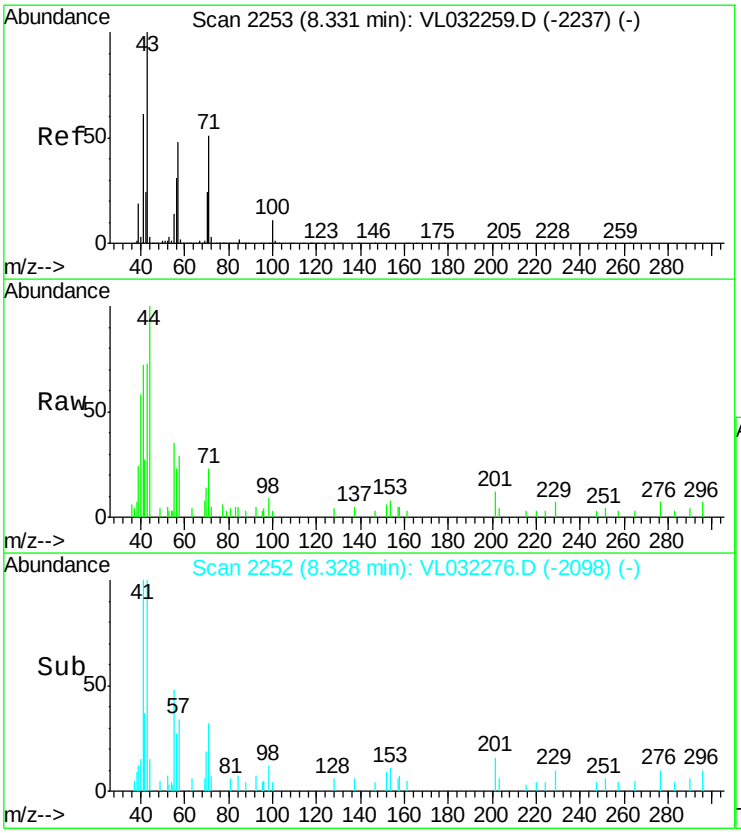
#9
Propene
Concen: 0.031 ppbv
RT: 3.09 min Scan# 622
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 2583

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.2	84.4#

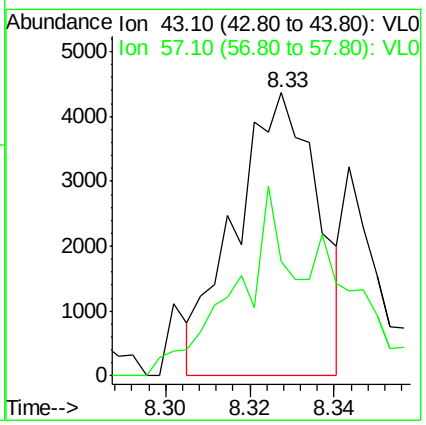


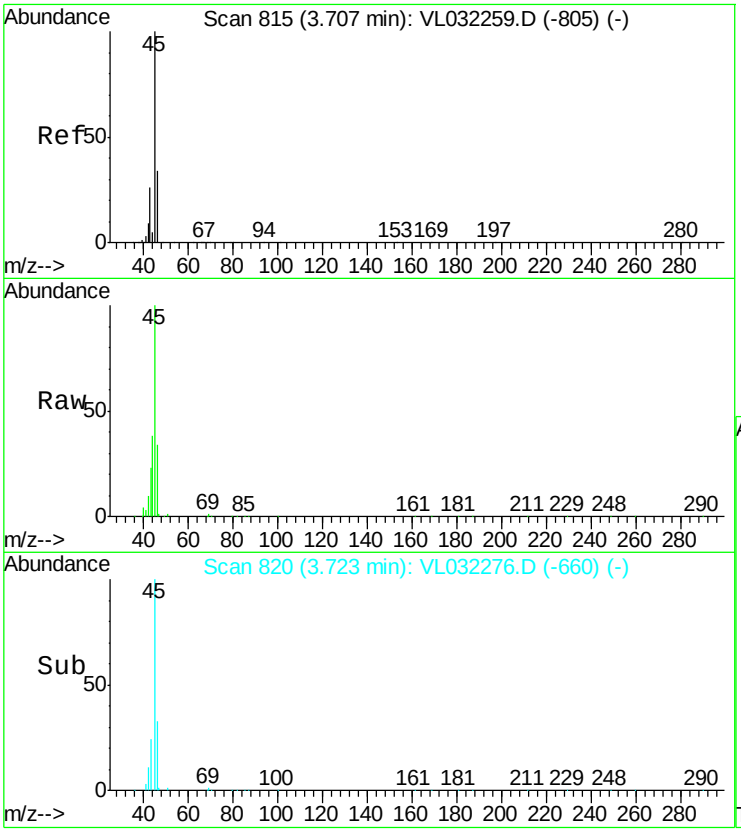


#10
Heptane
Concen: 0.022 ppbv
RT: 8.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 43 Resp: 5911

Ion	Ratio	Lower	Upper
43	100		
57	75.9	39.9	59.9#



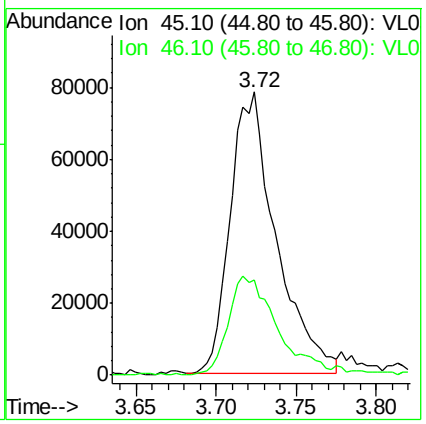


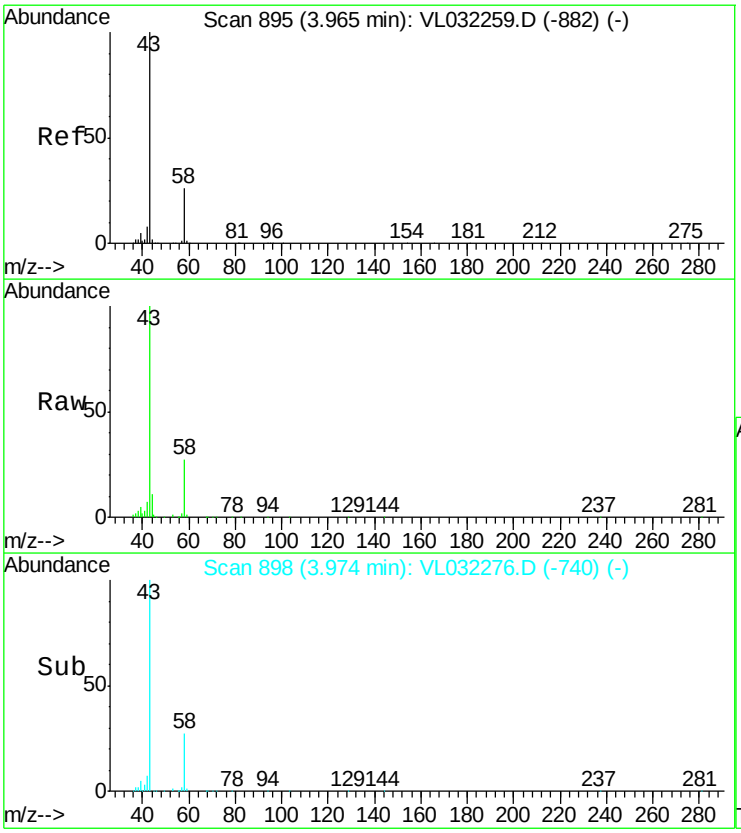
#13
Ethanol
Concen: 6.494 ppbv
RT: 3.72 min Scan# 820
Delta R.T. 0.02 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 153767

Ion	Ratio	Lower	Upper
45	100		
46	39.5	15.2	60.8

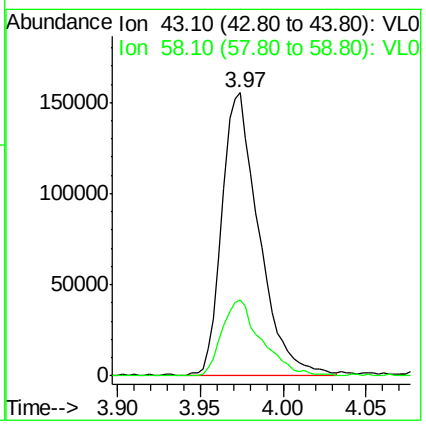


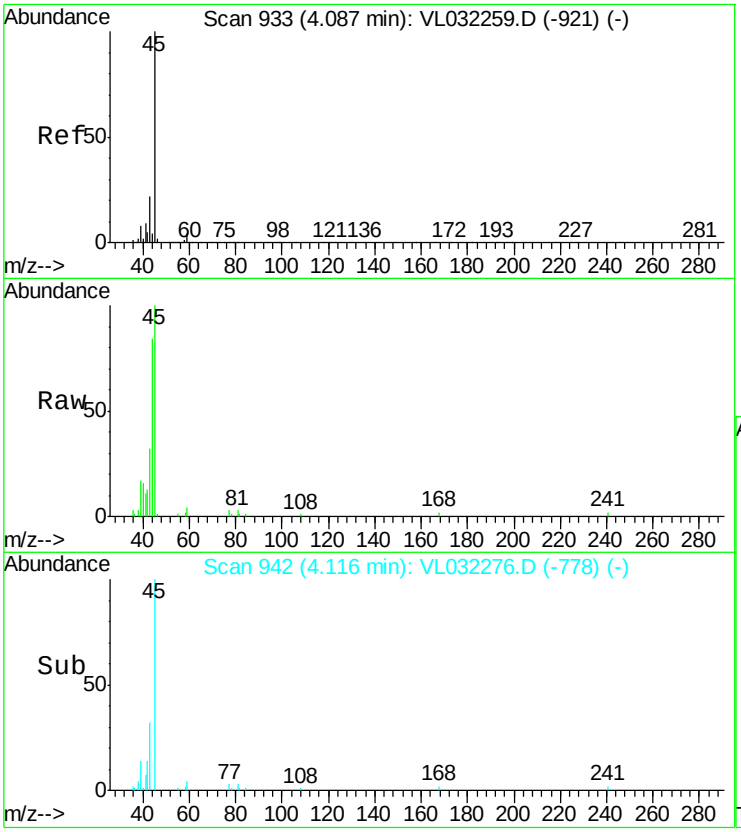


#15
Acetone
Concen: 1.360 ppbv
RT: 3.97 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 43 Resp: 240449

Ion	Ratio	Lower	Upper
43	100		
58	28.7	21.8	32.6



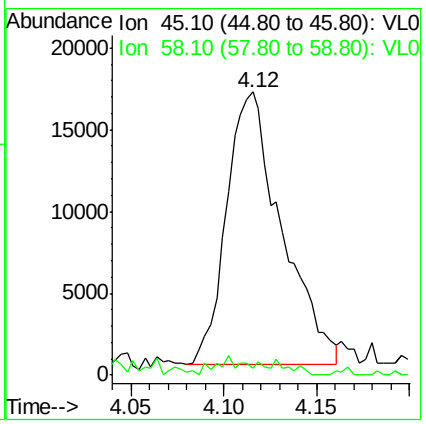


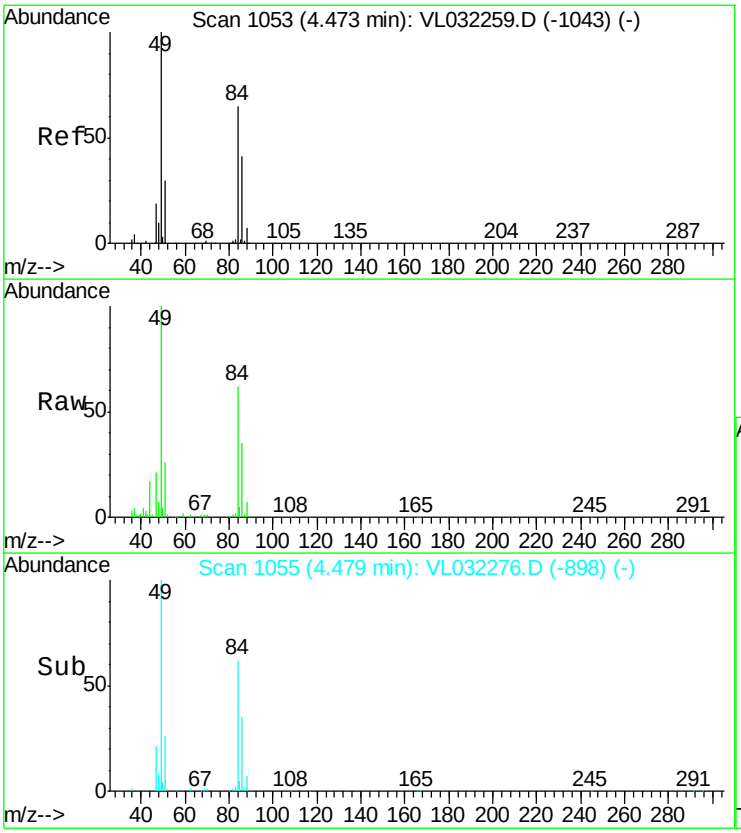
#19
Isopropyl Alcohol
Concen: 0.286 ppbv
RT: 4.12 min Scan# 942
Delta R.T. 0.03 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 34253

Ion	Ratio	Lower	Upper
45	100		
58	6.1	1.5	2.3#

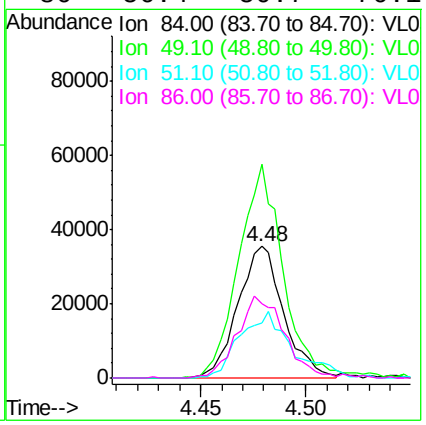


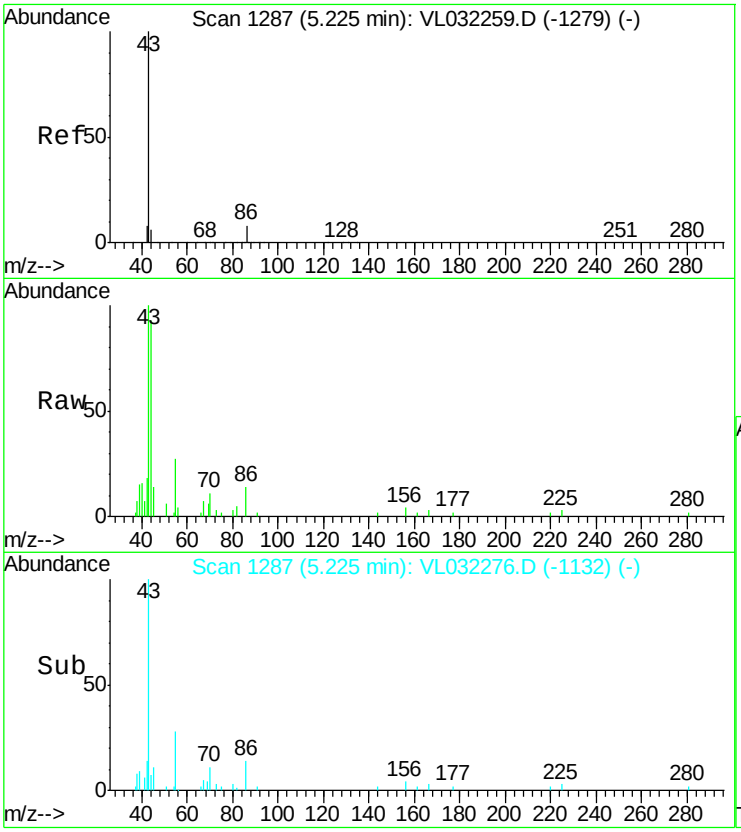


#20
Methylene Chloride
Concen: 0.780 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 84 Resp: 53092

Ion	Ratio	Lower	Upper
84	100		
49	161.5	122.4	183.6
51	42.2	36.8	55.2
86	56.4	50.7	76.1



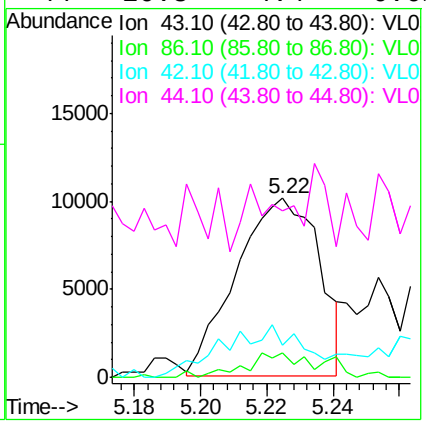


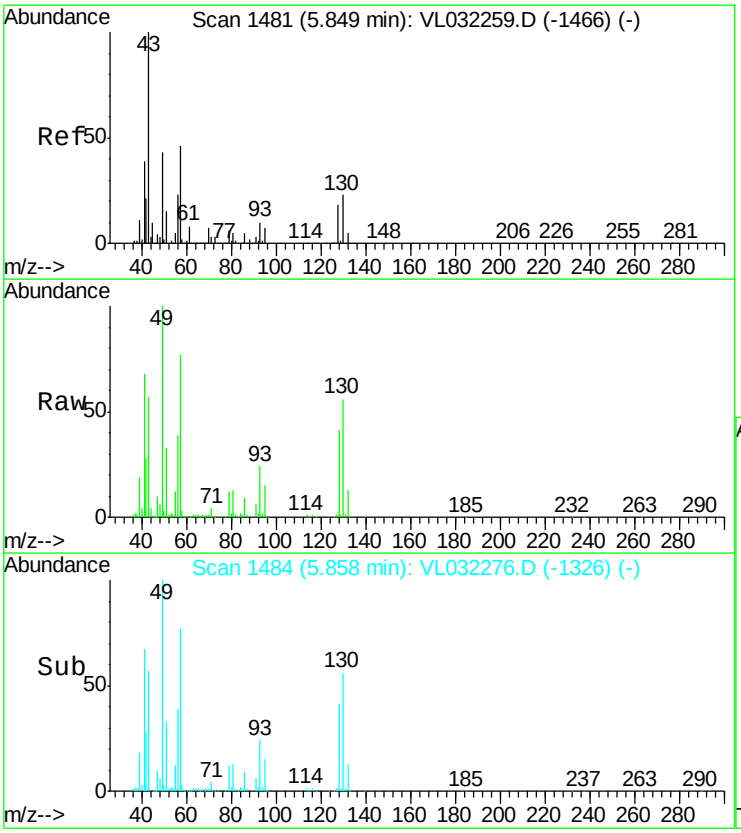
#23
Vinyl Acetate
Concen: 0.055 ppbv
RT: 5.22 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 17539

Ion	Ratio	Lower	Upper
43	100		
86	10.9	5.9	8.9#
42	9.1	7.3	10.9
44	20.8	4.4	6.6#

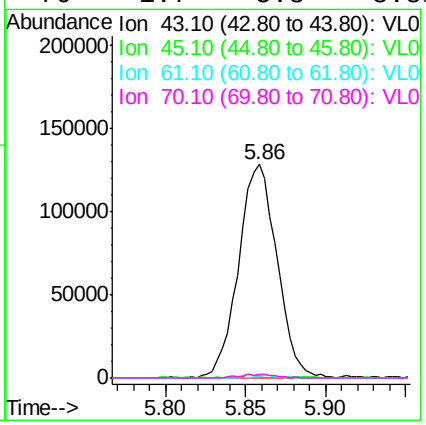


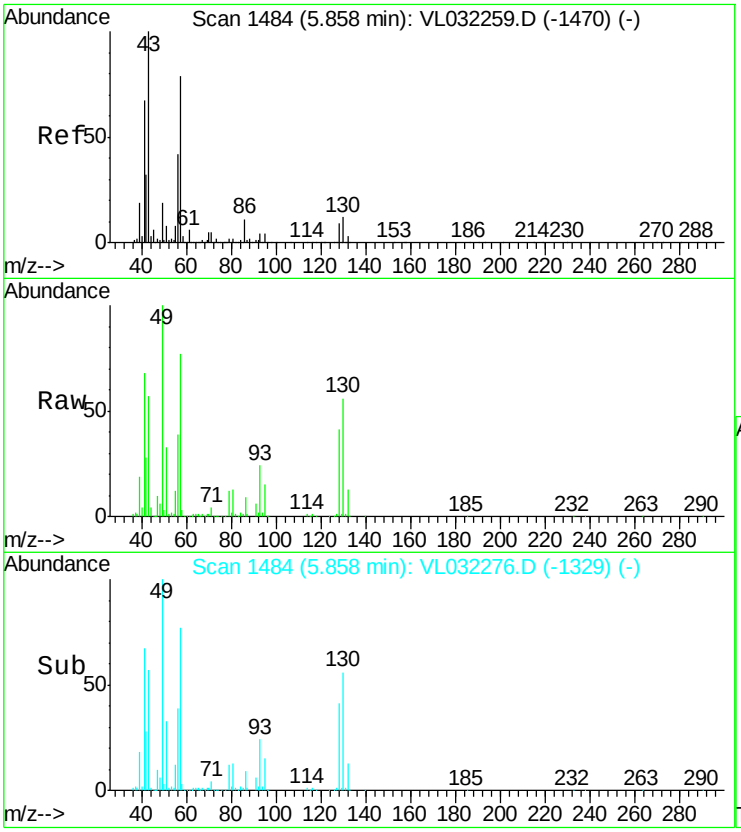


#25
Ethyl Acetate
Concen: 0.546 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 43 Resp: 210222

Ion	Ratio	Lower	Upper
43	100		
45	1.9	7.9	11.9#
61	0.9	7.6	11.4#
70	1.7	5.8	8.8#



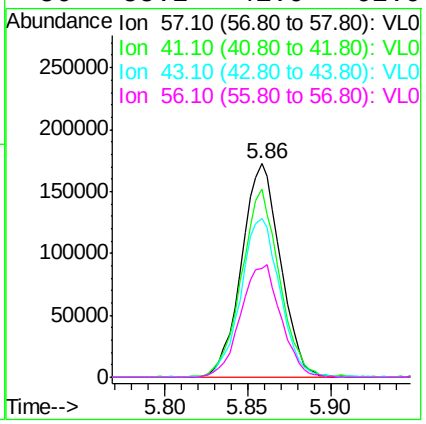


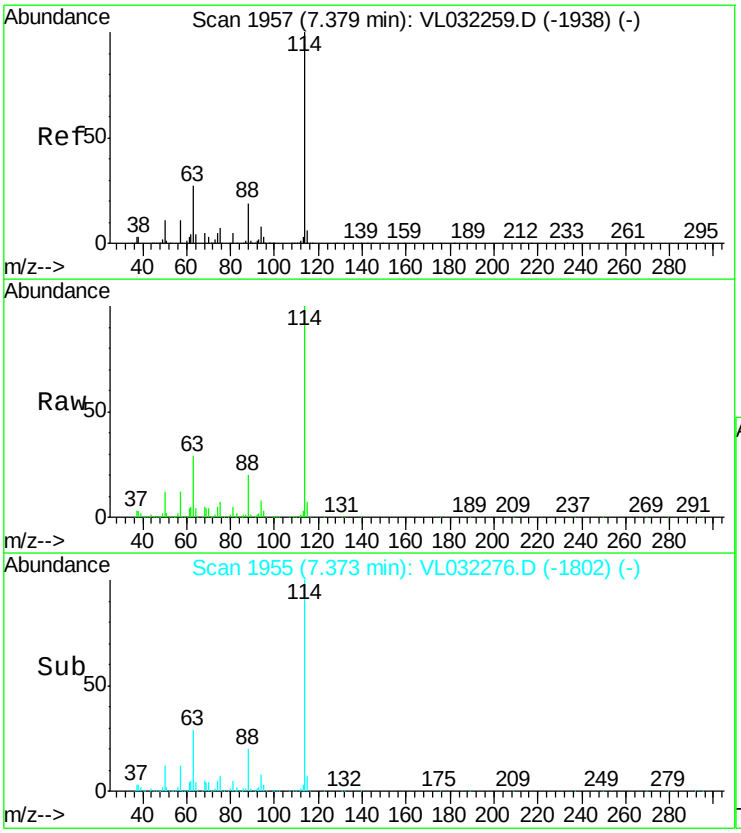
#26
Hexane
Concen: 1.582 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 279829

Ion	Ratio	Lower	Upper
57	100		
41	87.3	67.9	101.9
43	75.9	175.9	263.9#
56	55.2	41.9	62.9

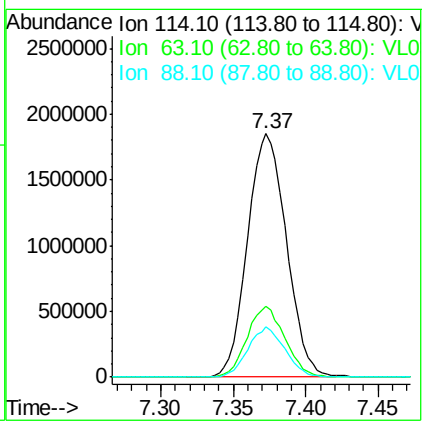


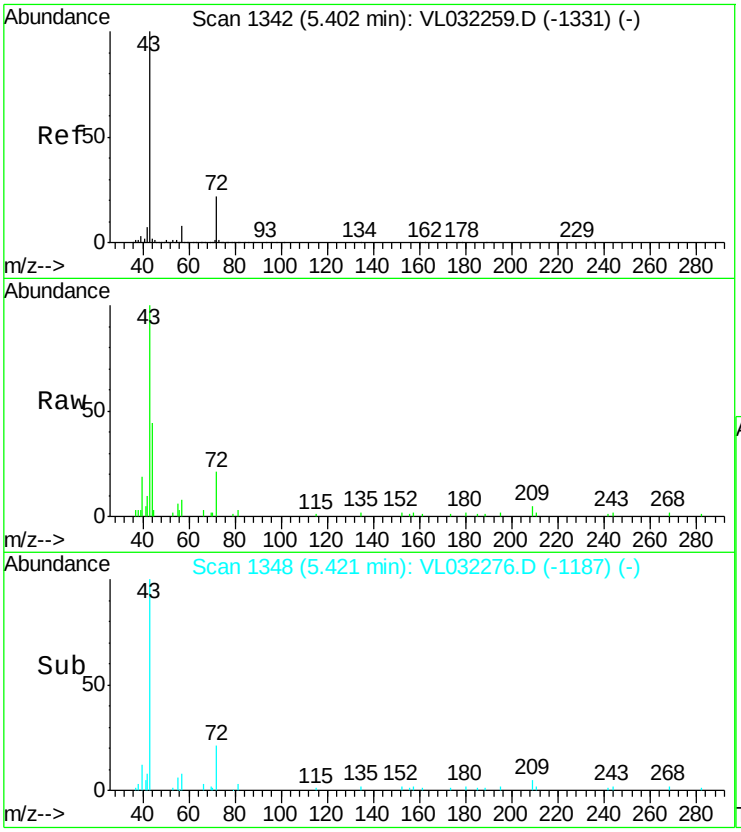


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion:114 Resp: 3465348

Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.6	33.8
88	19.6	15.2	22.8



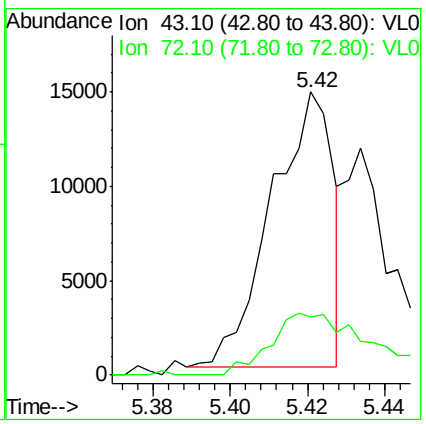


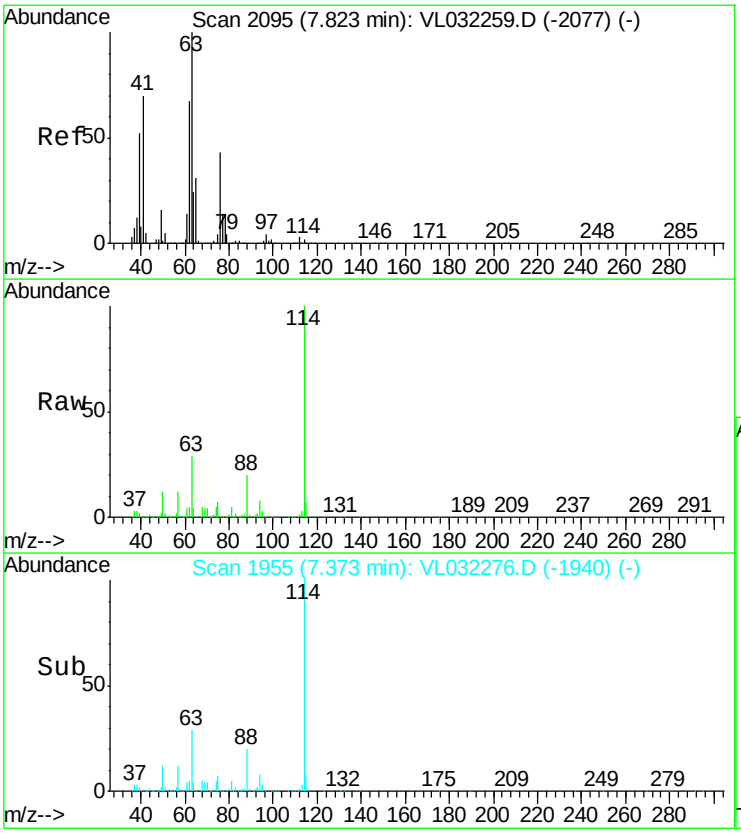
#34
2-Butanone
Concen: 0.068 ppbv
RT: 5.42 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 16202

Ion	Ratio	Lower	Upper
43	100		
72	38.5	17.7	26.5#

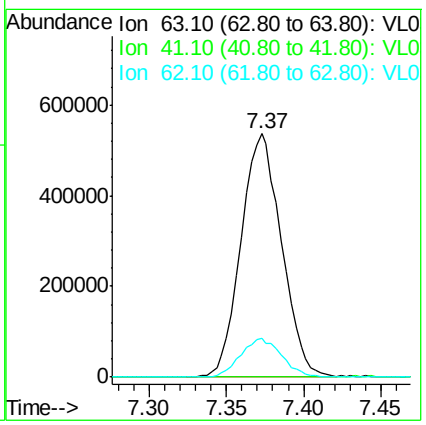


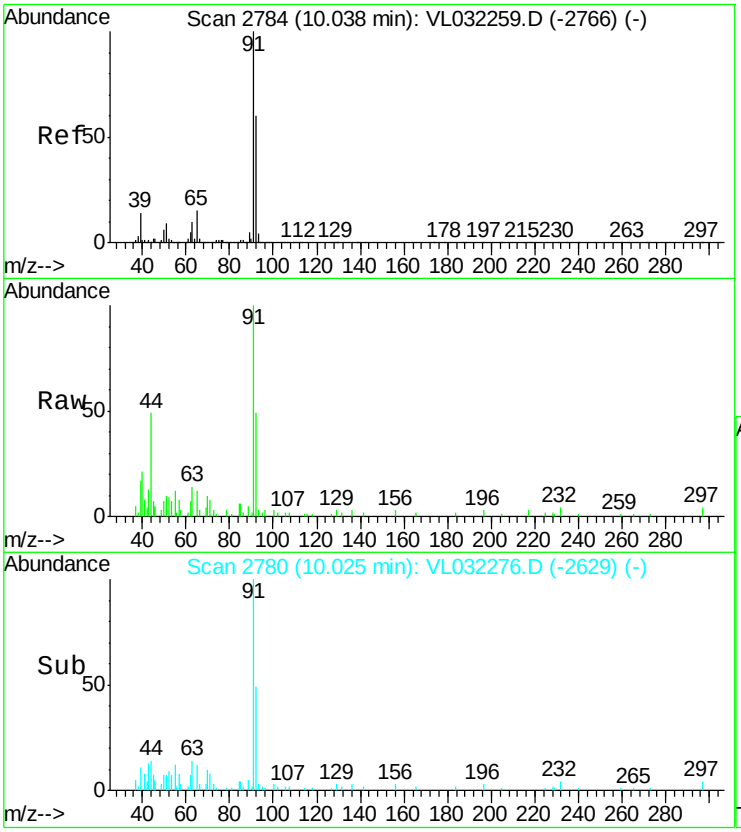


#39
1,2-Dichloropropane
Concen: 7.251 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.45 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 63 Resp: 979144

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.8	83.6#
62	15.8	53.8	80.8#



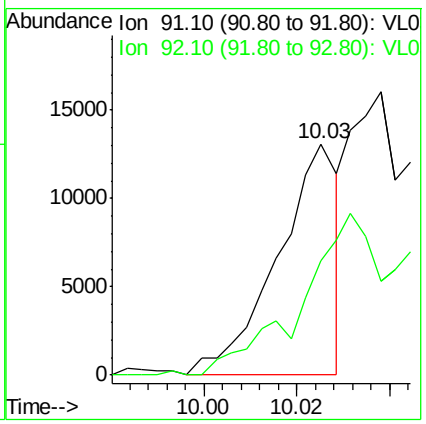


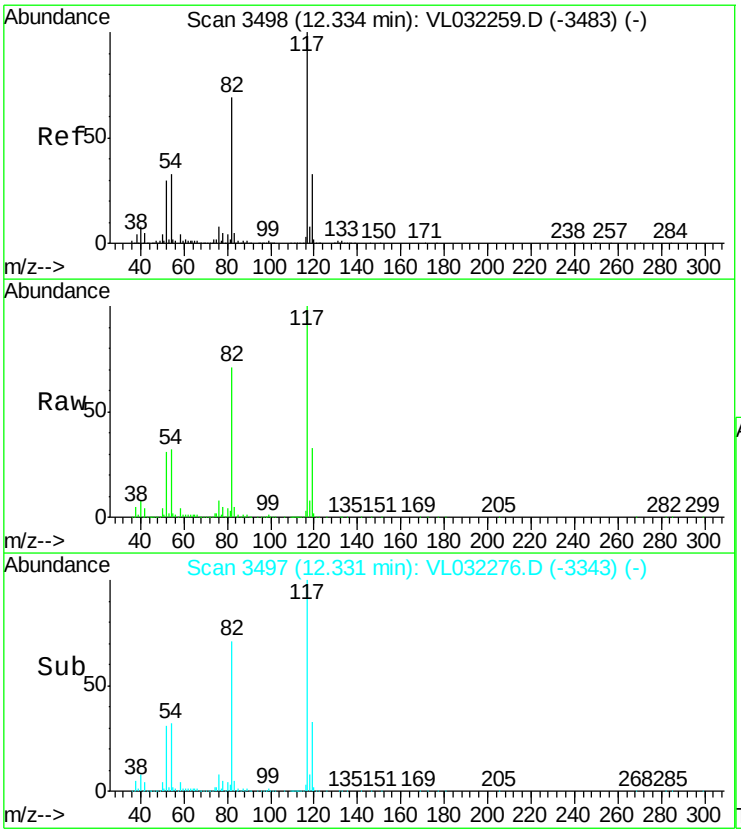
#53
Toluene
Concen: 0.029 ppbv
RT: 10.03 min Scan# 2780
Delta R.T. -0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 11919

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.6	72.8#

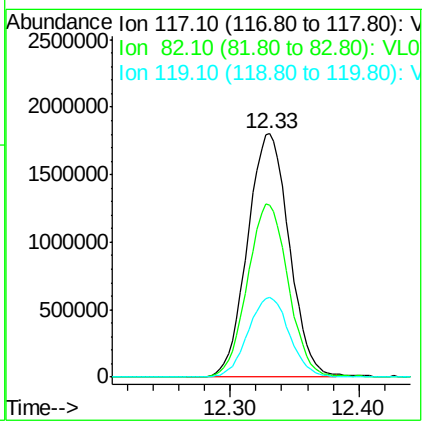


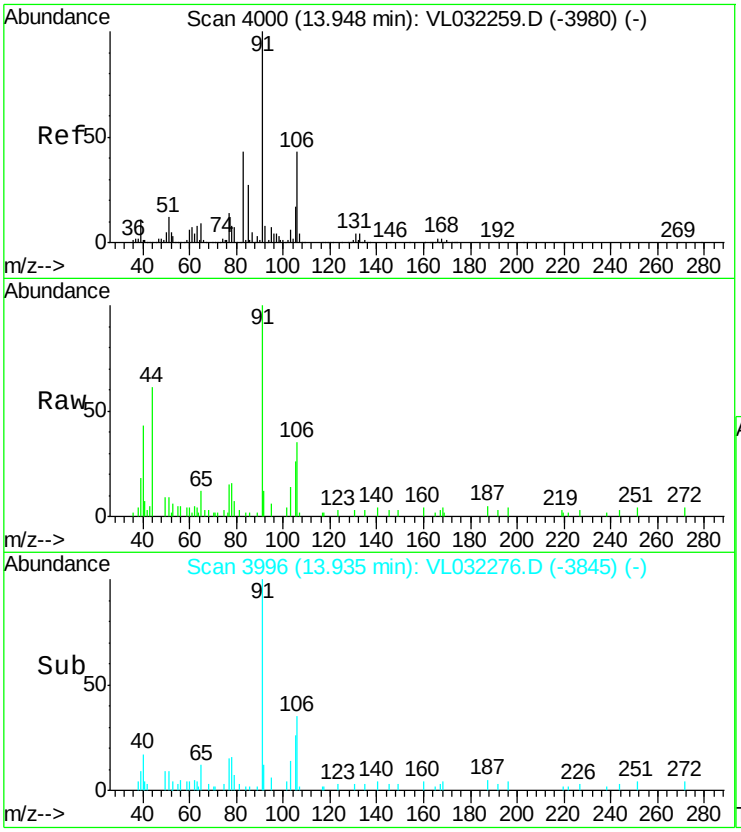


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion:117 Resp: 4061494

Ion	Ratio	Lower	Upper
117	100		
82	70.2	53.9	80.9
119	32.6	25.5	38.3



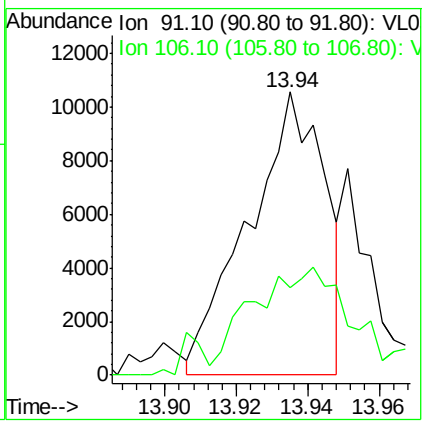


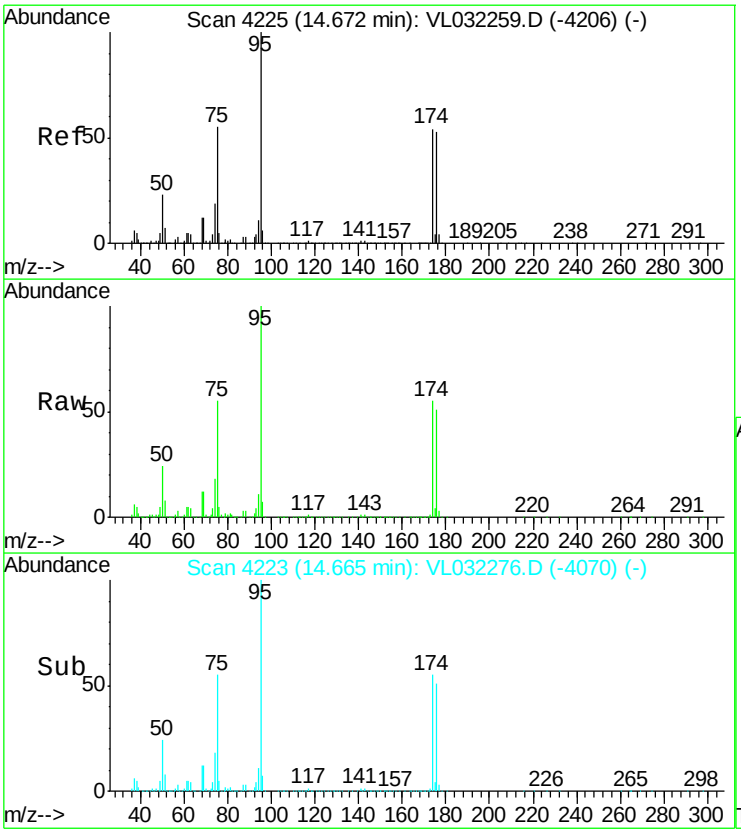
#60
o-Xylene
Concen: 0.032 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 15613

Ion	Ratio	Lower	Upper
91	100		
106	56.8	21.7	65.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.761 ppbv
RT: 14.66 min Scan# 4223
Delta R.T. -0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 95 Resp: 3214313

Ion	Ratio	Lower	Upper
95	100		
174	55.8	44.3	66.5
175	4.0	3.3	4.9