Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

Quantitation Report (Not Reviewed)

Data File : VL032669.D
Acq On : 19 Oct 2018 5:04
Operator : SY/AP
Sample : J5581-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-1

Quant Time: Oct 19 07:57:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1368674	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3428033	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3307313	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2416858	9.81	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	73944	0.530	ppbv		92
3) Chlorodifluoromethane	3.03	51	251564	2.350	ppbv		95
4) Chloromethane	3.18	50	30598	0.512	ppbv		89
9) Propene	3.06	41	41395	0.940	ppbv		83
10) Heptane	8.25	43	6471	0.038	ppbv	#	12
11) Trichlorofluoromethane	4.01	101	41498	0.228	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.56	101	11849	0.078	ppbv		88
13) Ethanol	3.66	45	919593	73.043	ppbv		97
15) Acetone	3.91	43	1526039	12.074	ppbv		99
16) 1,3-Butadiene	3.35	39	11590	0.249	ppbv	#	1
17) tert-Butyl alcohol	4.37	59	1619	0.044	ppbv	#	100
19) Isopropyl Alcohol	4.04	45	626077	6.956	ppbv		100
20) Methylene Chloride	4.42	84	87710	1.367	ppbv		92
23) Vinyl Acetate	5.16	43	38877	0.174	ppbv	#	28
25) Ethyl Acetate	5.79	43	194157	0.667	ppbv	#	93
26) Hexane	5.79	57	156395	1.136	ppbv	#	63
30) Cyclohexane	7.26	84	3648	0.033	ppbv	#	1
34) 2-Butanone	5.35	43	100192	0.545	ppbv		99
35) Carbon Tetrachloride	7.15	117	16918	0.070	ppbv	#	79
36) Benzene	7.02	78	43453	0.156	ppbv		96
39) 1,2-Dichloropropane	7.30	63	864848	8.045	ppbv	#	25
41) Tetrahydrofuran	6.15	42	3859	0.038	ppbv	#	35
44) 2,2,4-Trimethylpentane	8.00	57	38092	0.080	ppbv	#	57
53) Toluene	9.96	91	589952	1.849	ppbv		98
58) Ethyl Benzene	12.88	91	9731	0.025	ppbv		91
60) o-Xylene	13.87	91	6816	0.021	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.94	105	17440	0.048	ppbv	#	77

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

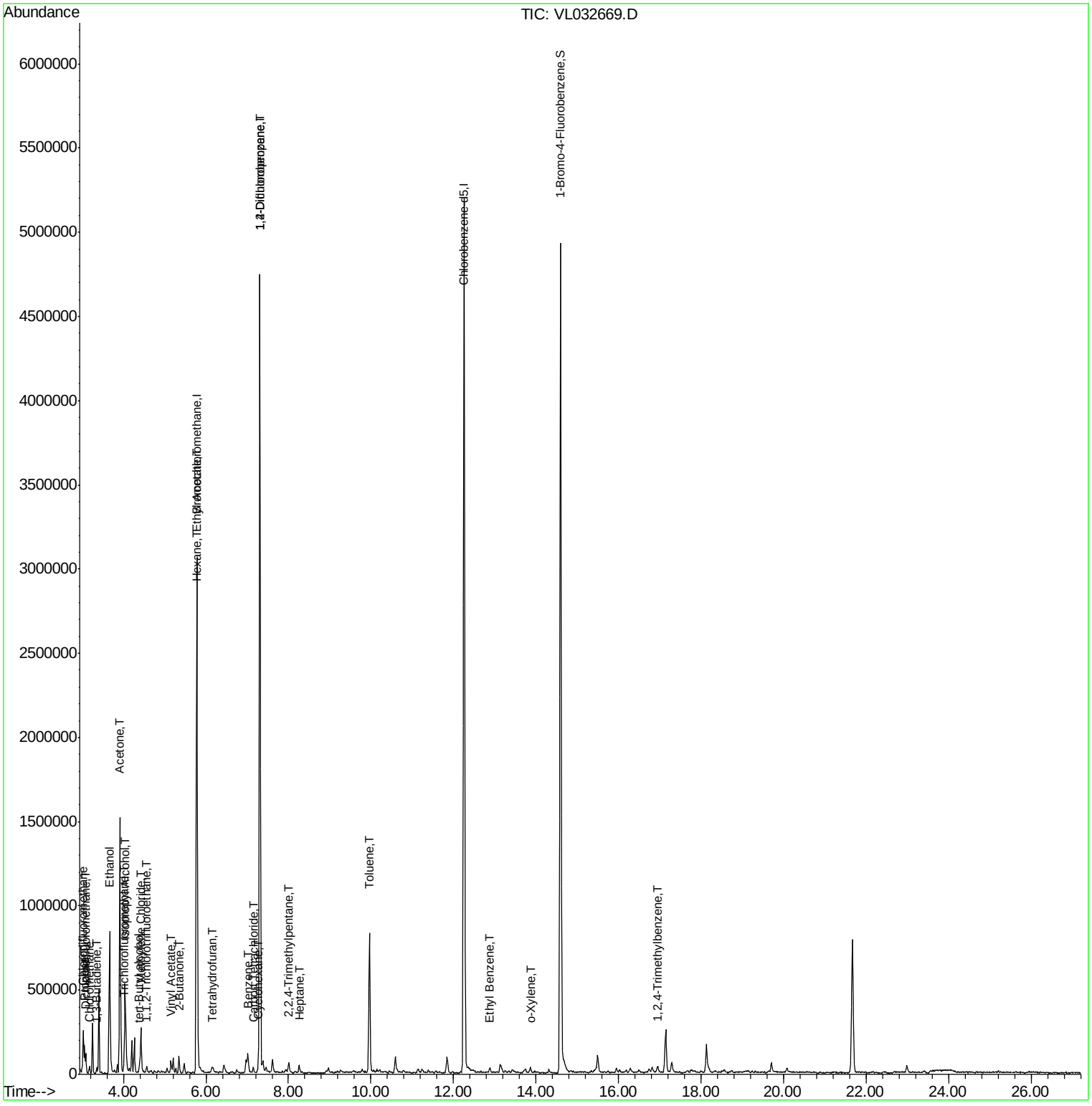
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101818\

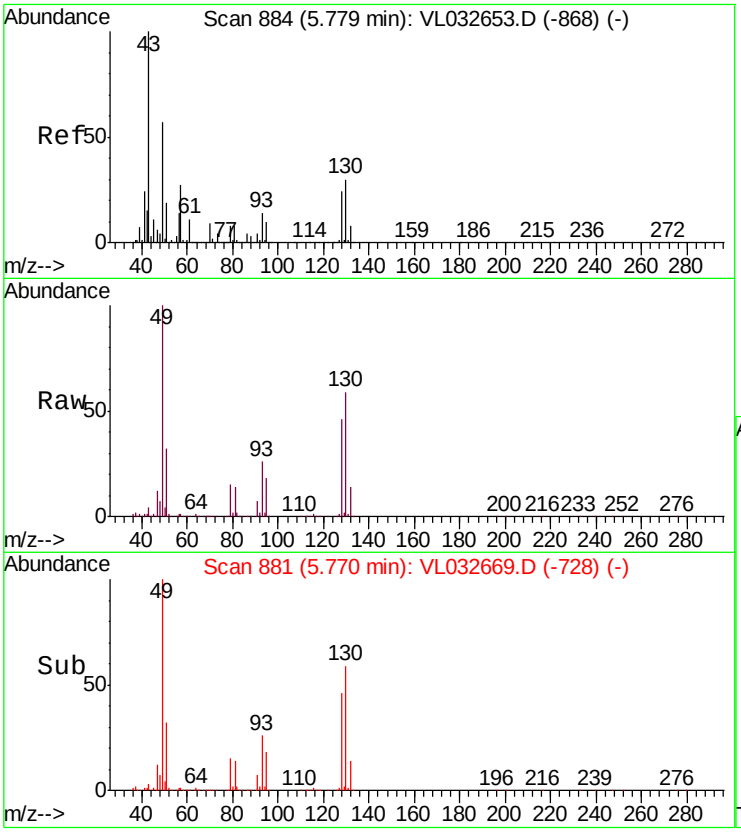
Quantitation Report (Not Reviewed)

Data File : VL032669.D
Acq On : 19 Oct 2018 5:04
Operator : SY/AP
Sample : J5581-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-1

Quant Time: Oct 19 07:57:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration



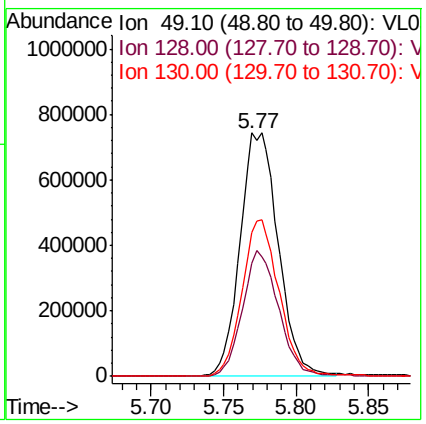


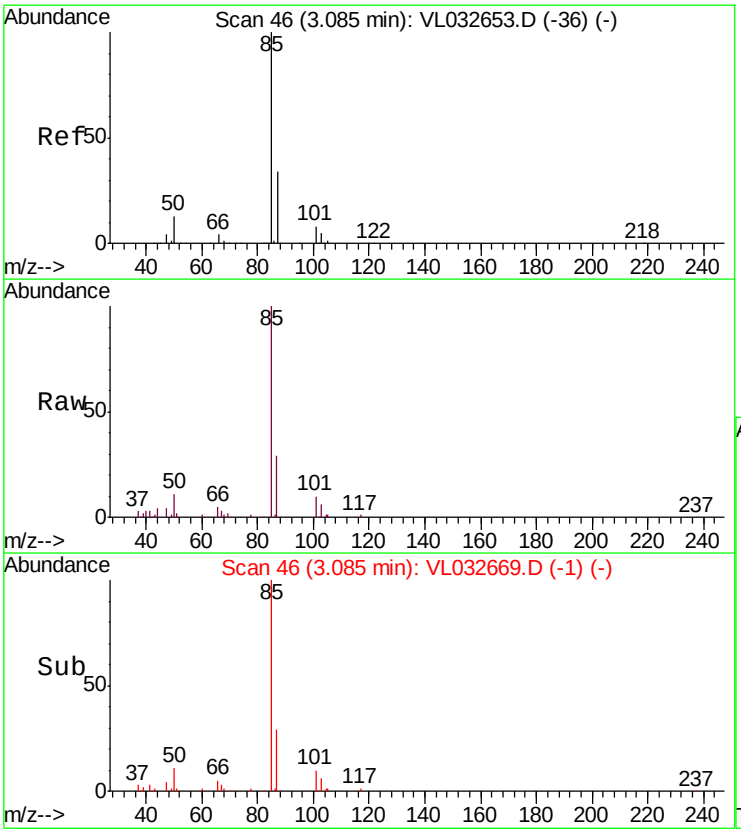
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 49 Resp: 1368674

Ion	Ratio	Lower	Upper
49	100		
128	49.1	22.3	66.8
130	62.8	28.4	85.3

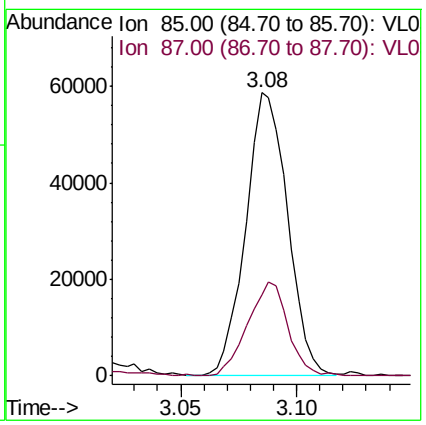


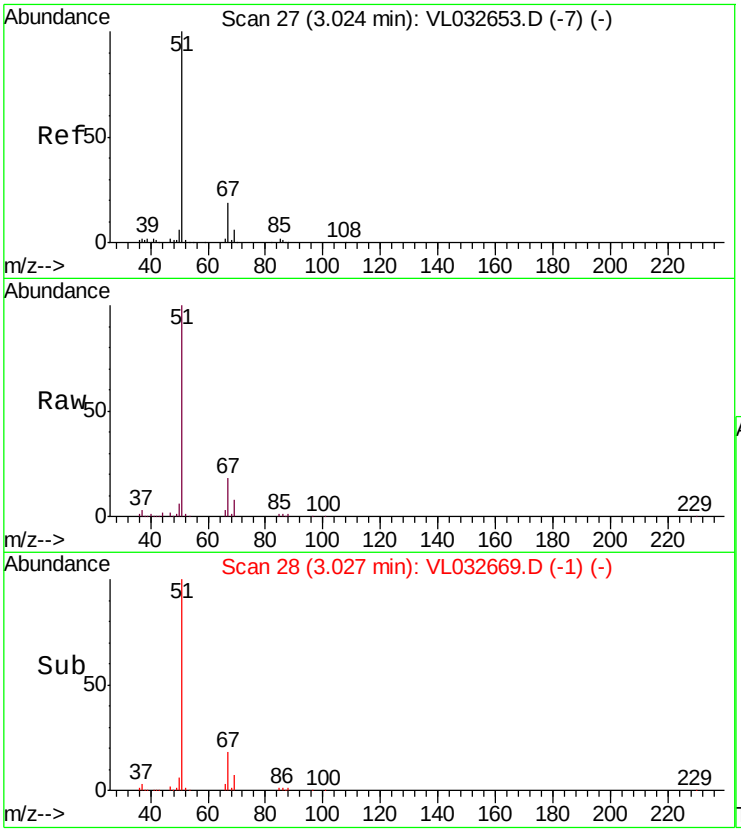


#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 85 Resp: 73944

Ion	Ratio	Lower	Upper
85	100		
87	28.2	26.2	39.2



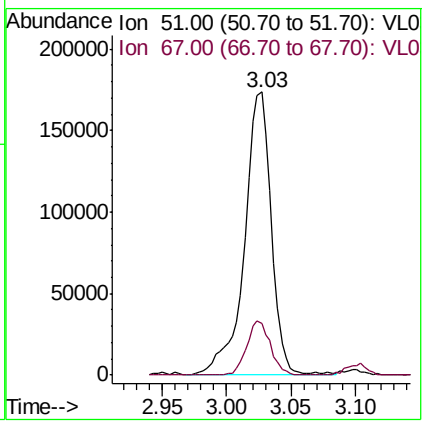


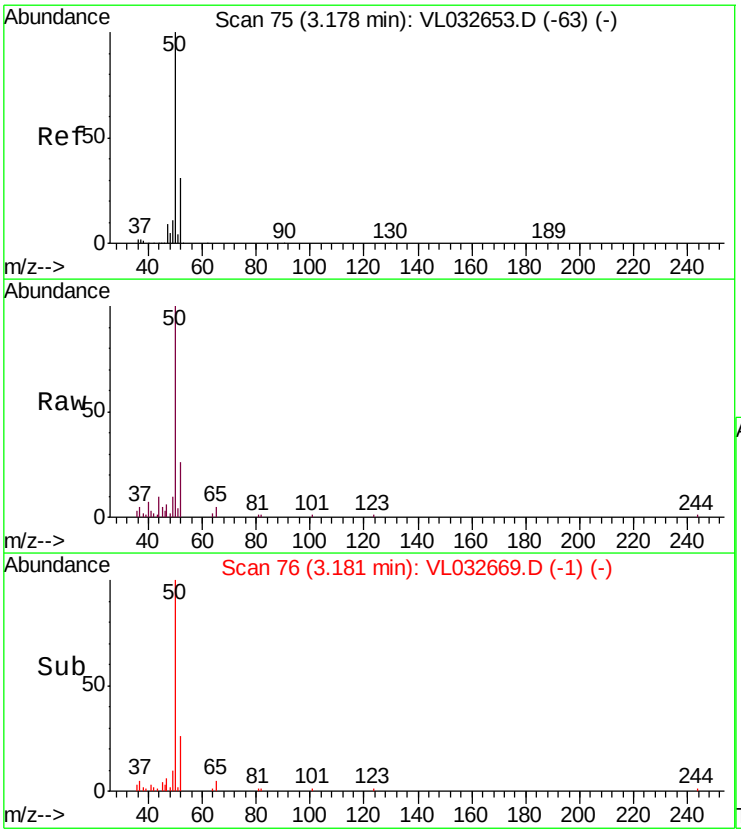
#3
Chlorodifluoromethane
Concen: 2.350 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 51 Resp: 251564

Ion	Ratio	Lower	Upper
51	100		
67	16.9	15.2	22.8

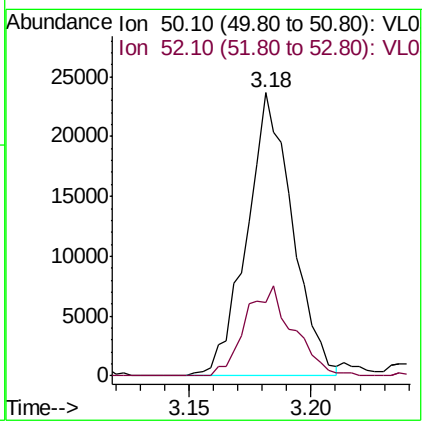


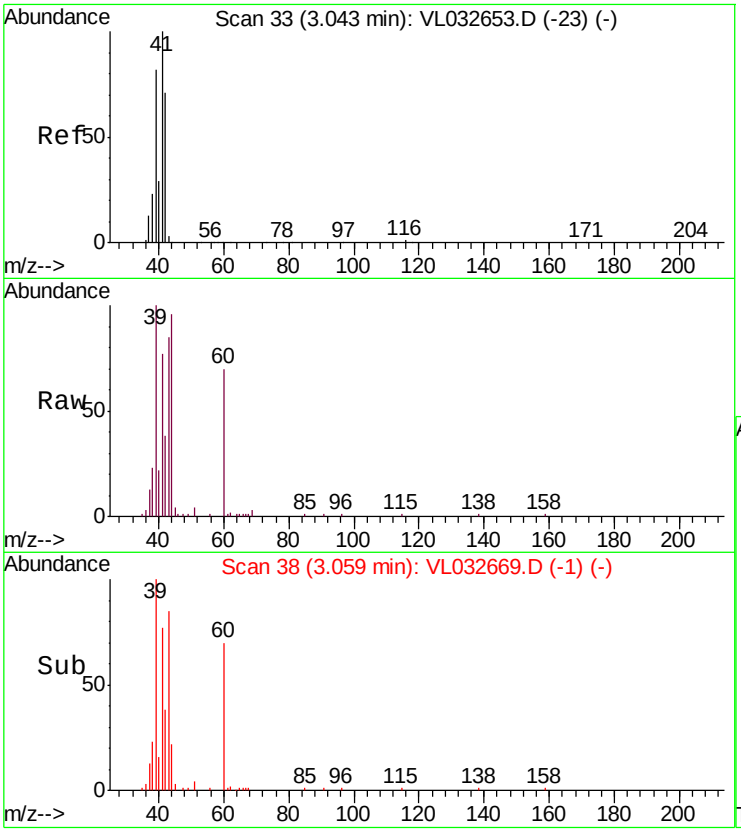


#4
Chloromethane
Concen: 0.512 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 50 Resp: 30598

Ion	Ratio	Lower	Upper
50	100		
52	26.2	25.9	38.9



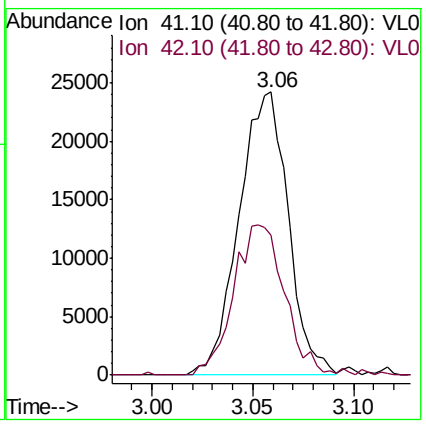


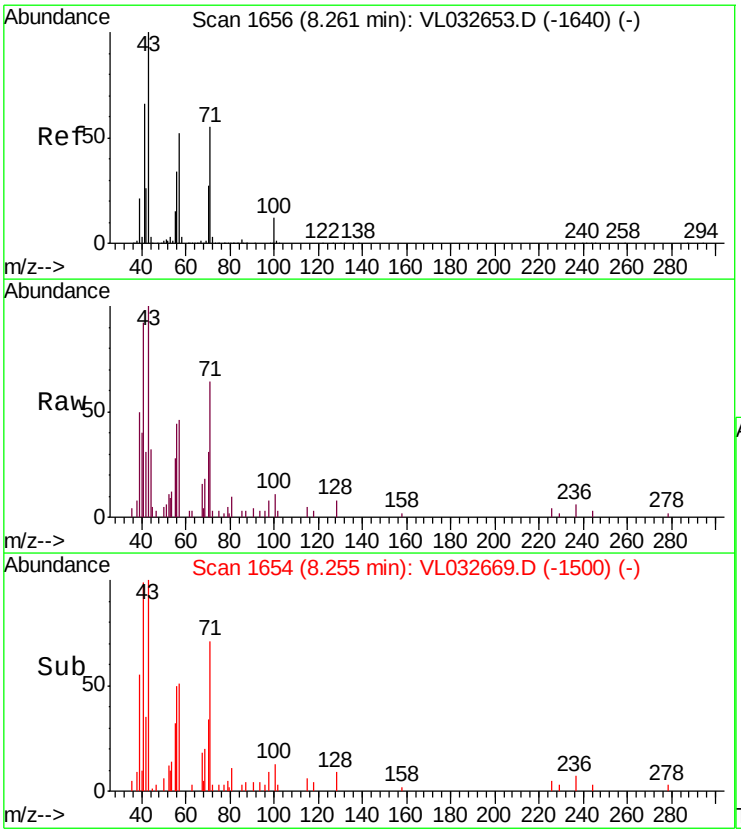
#9
Propene
Concen: 0.940 ppbv
RT: 3.06 min Scan# 38
Delta R.T. 0.02 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 41 Resp: 41395

Ion	Ratio	Lower	Upper
41	100		
42	55.7	55.4	83.0

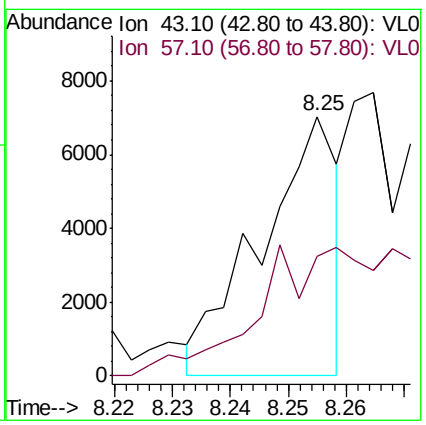


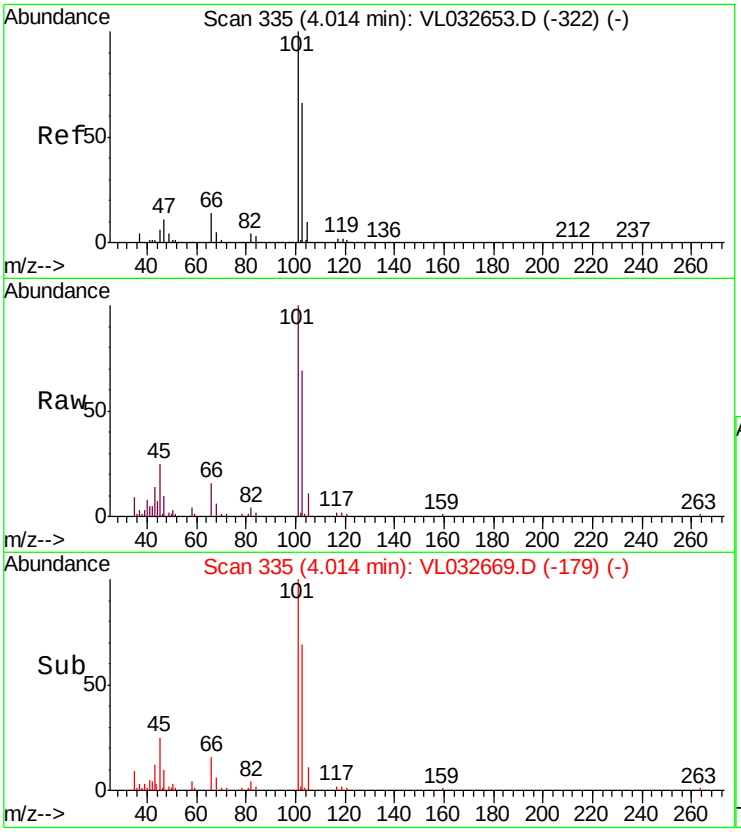


#10
Heptane
Concen: 0.038 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 43 Resp: 6471

Ion	Ratio	Lower	Upper
43	100		
57	114.0	41.5	62.3#



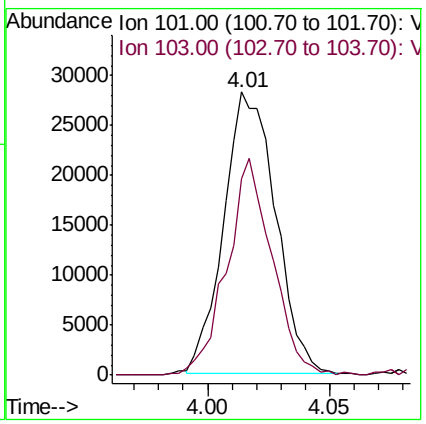


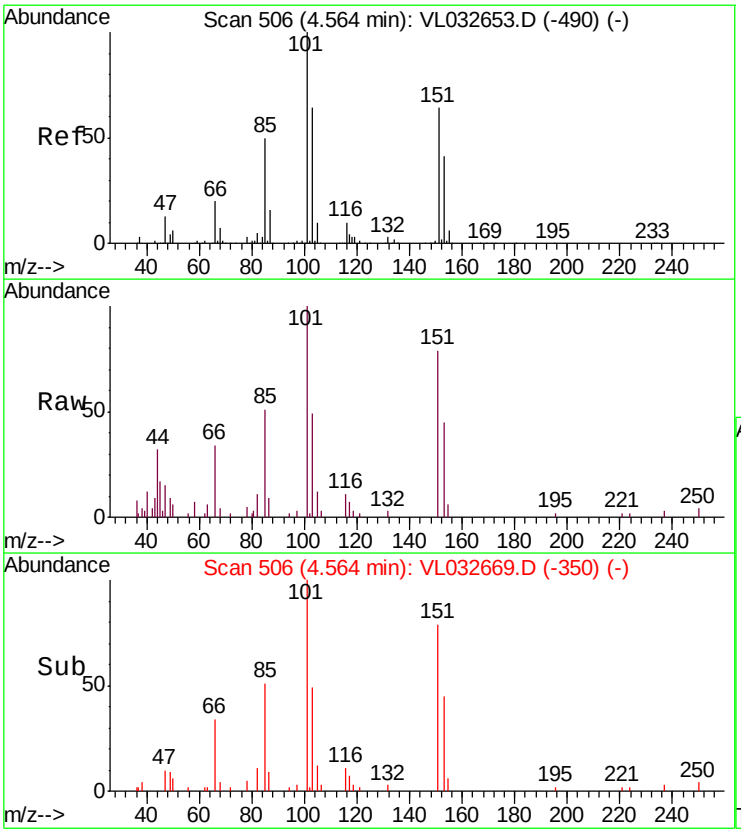
#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 4.01 min Scan# 335
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion:101 Resp: 41498

Ion	Ratio	Lower	Upper
101	100		
103	69.6	51.4	77.2

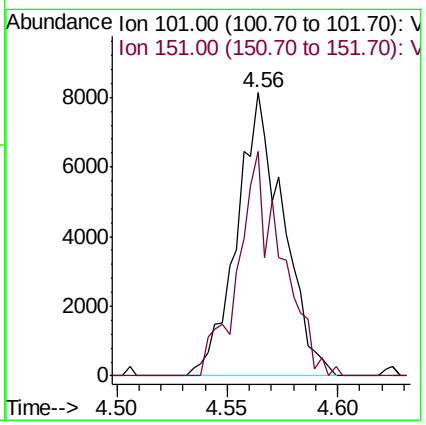


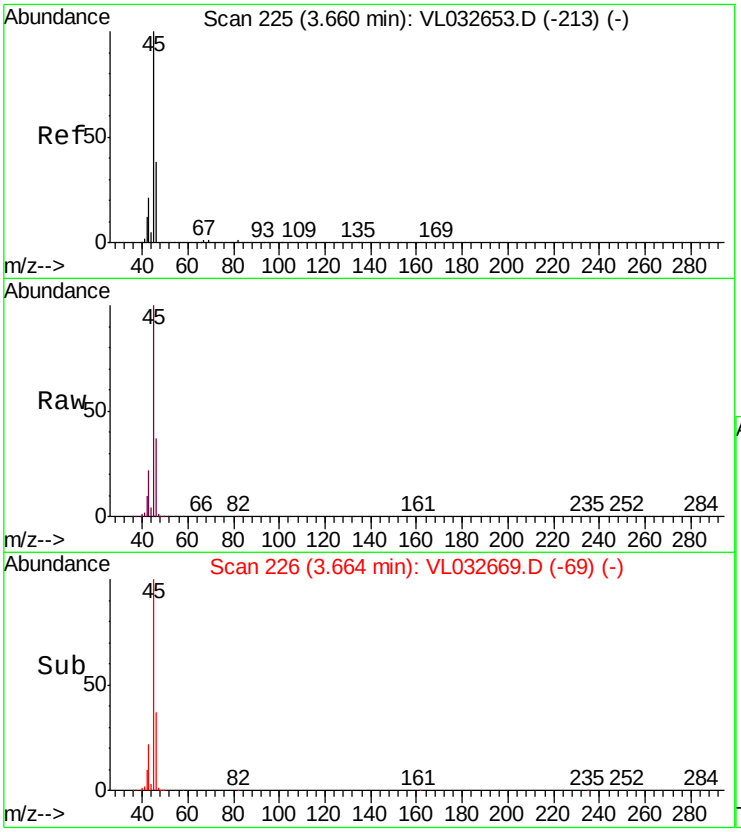


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.078 ppbv
RT: 4.56 min Scan# 506
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion:101 Resp: 11849

Ion	Ratio	Lower	Upper
101	100		
151	74.8	52.3	78.5



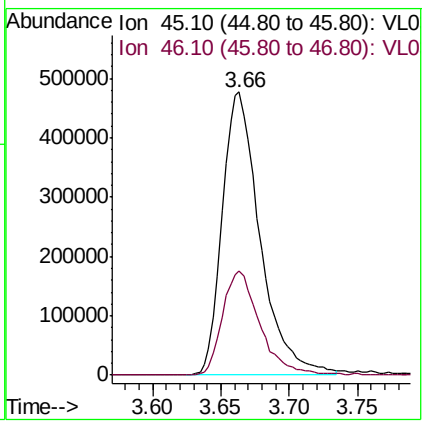


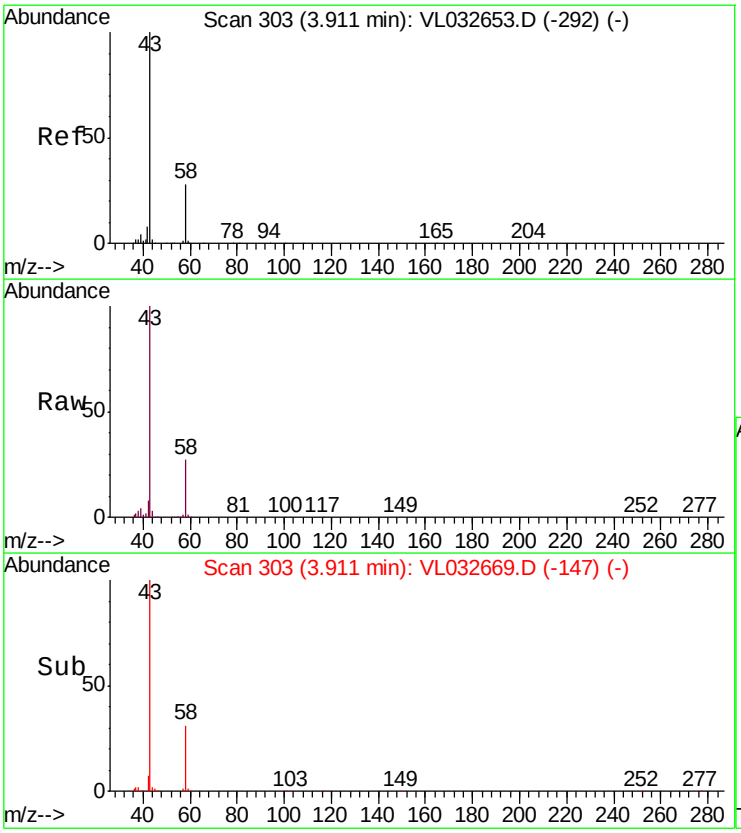
#13
Ethanol
Concen: 73.043 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 45 Resp: 919593

Ion	Ratio	Lower	Upper
45	100		
46	36.9	15.4	61.8

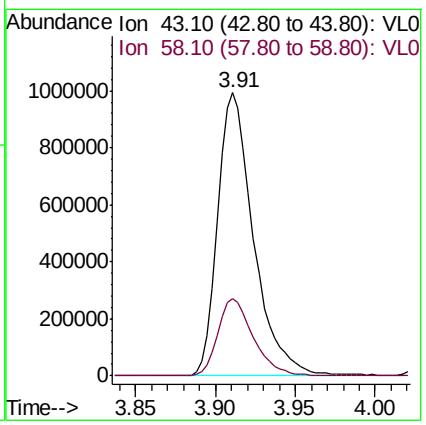


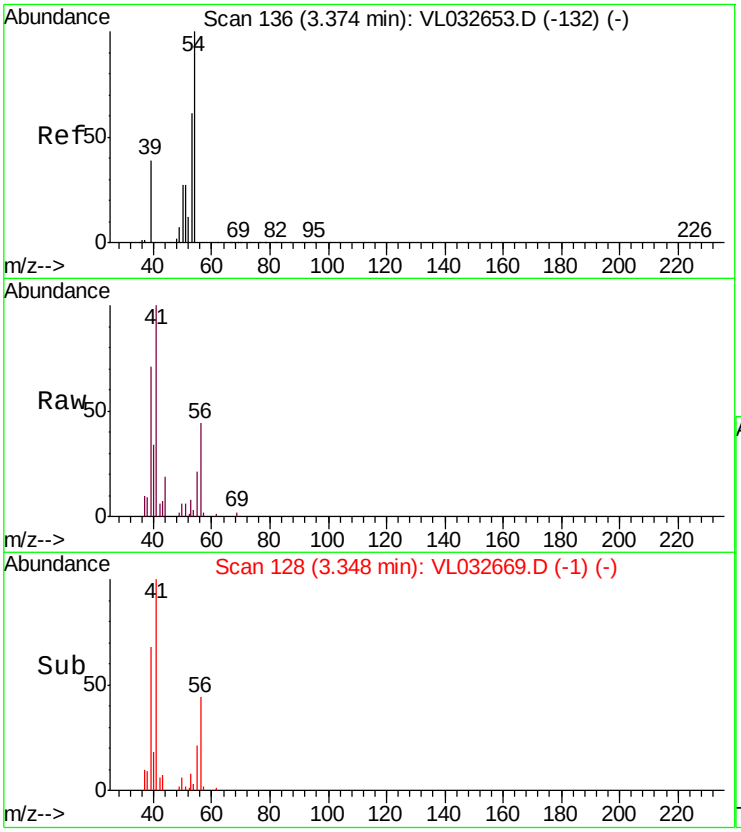


#15
Acetone
Concen: 12.074 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 43 Resp: 1526039

Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.1	33.1



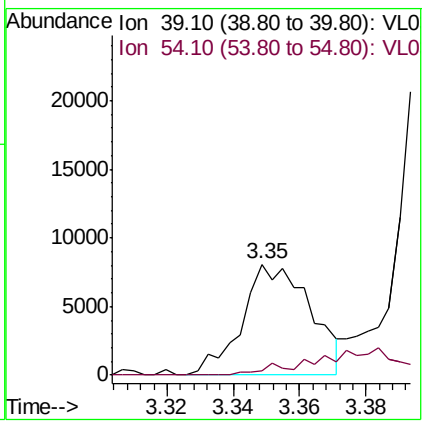


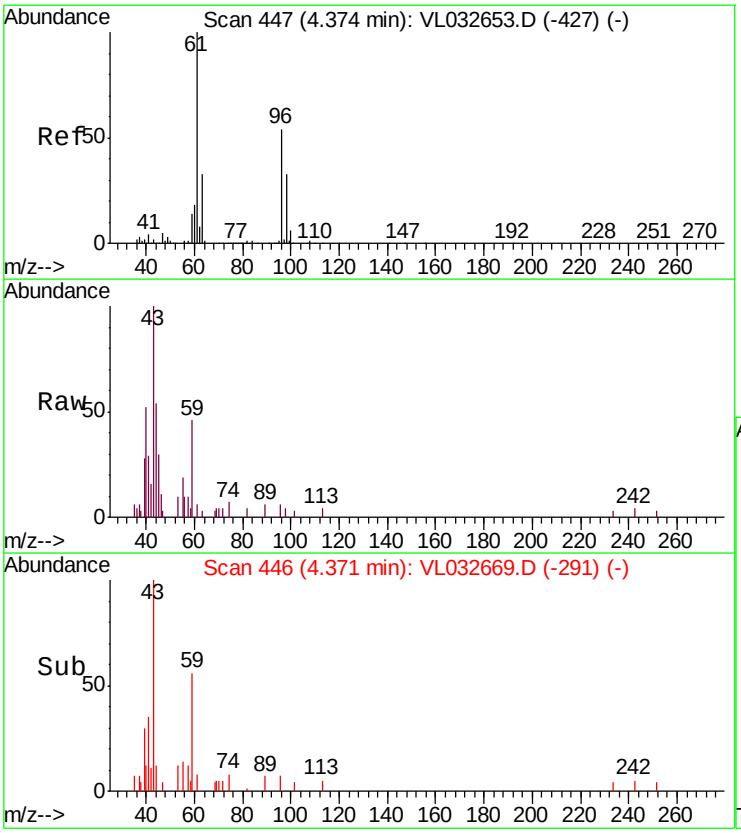
#16
1,3-Butadiene
Concen: 0.249 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.03 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 39 Resp: 11590

Ion	Ratio	Lower	Upper
39	100		
54	0.0	90.4	135.6#

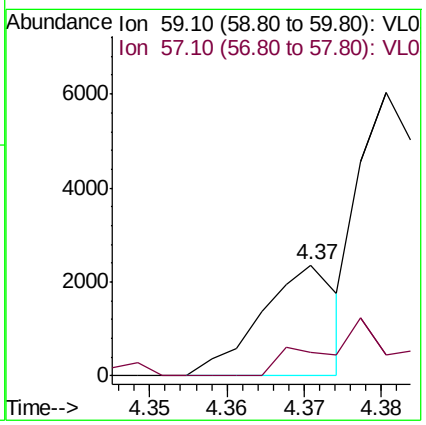


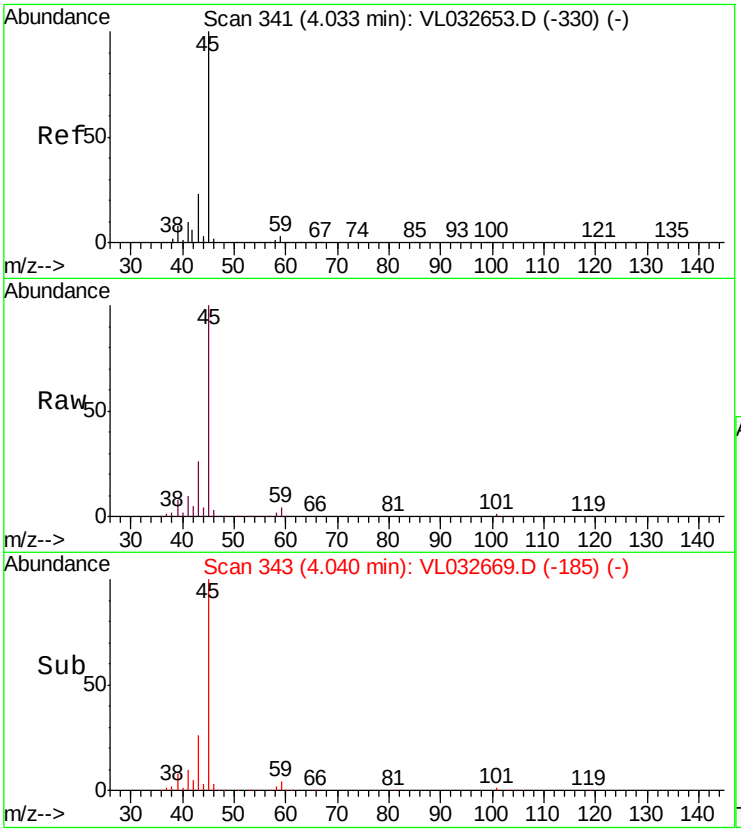


#17
tert-Butyl alcohol
Concen: 0.044 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 59 Resp: 1619

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



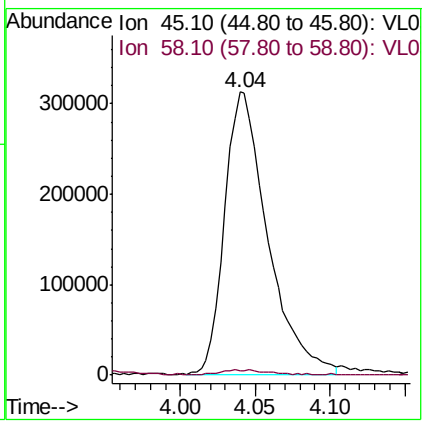


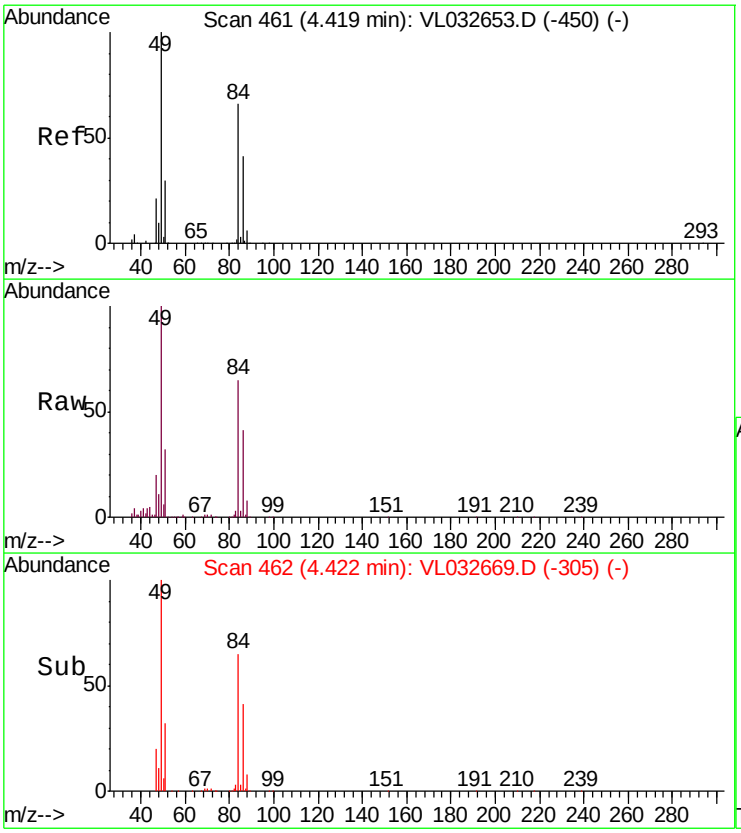
#19
Isopropyl Alcohol
Concen: 6.956 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 45 Resp: 626077

Ion	Ratio	Lower	Upper
45	100		
58	2.5	2.0	3.0

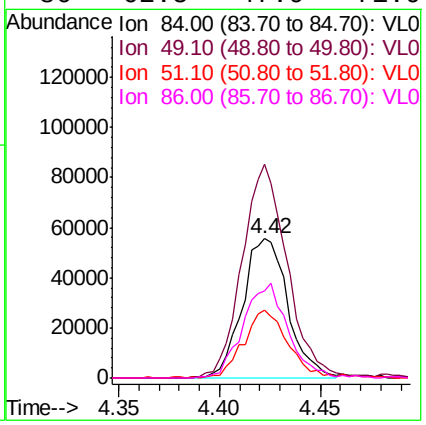


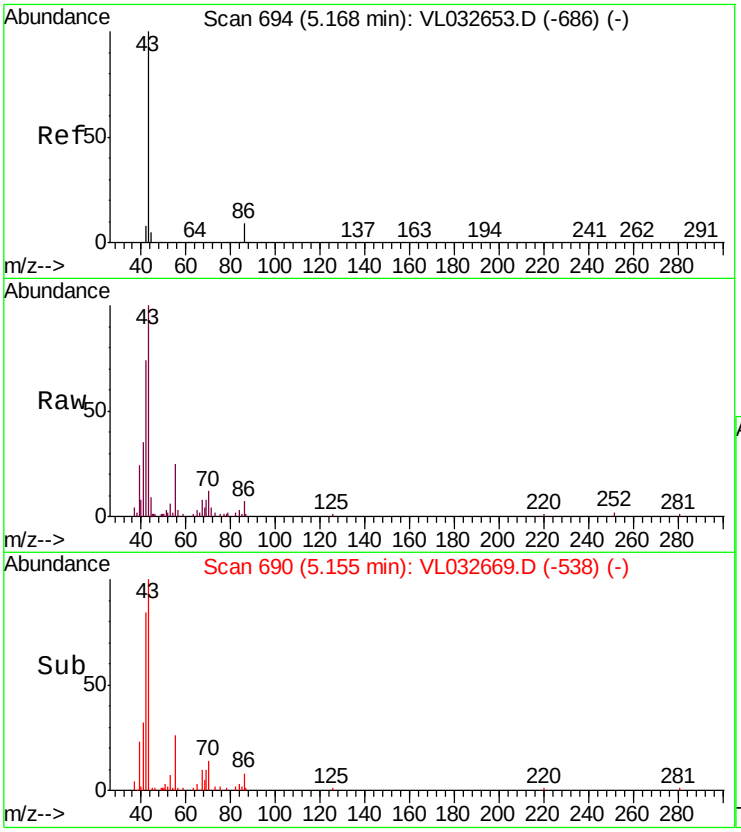


#20
Methylene Chloride
Concen: 1.367 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 84 Resp: 87710

Ion	Ratio	Lower	Upper
84	100		
49	153.6	113.5	170.3
51	48.5	34.8	52.2
86	62.5	47.9	71.9



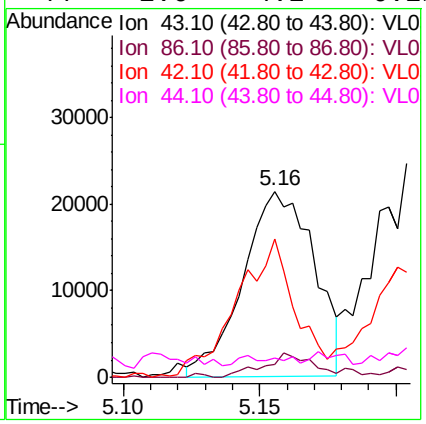


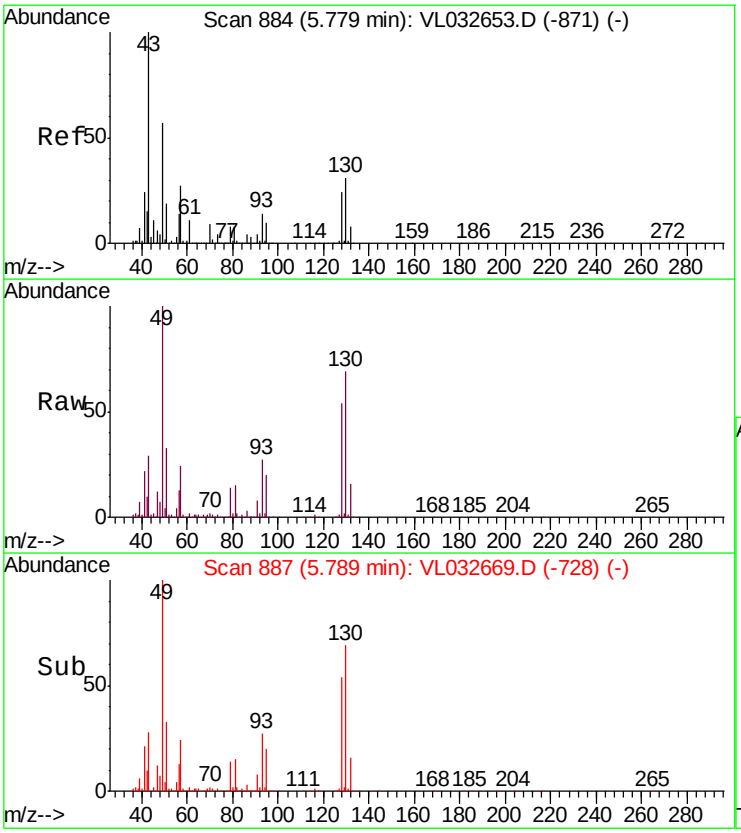
#23
Vinyl Acetate
Concen: 0.174 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 43 Resp: 38877

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.1	9.1
42	69.8	7.4	11.2#
44	2.6	4.2	6.2#

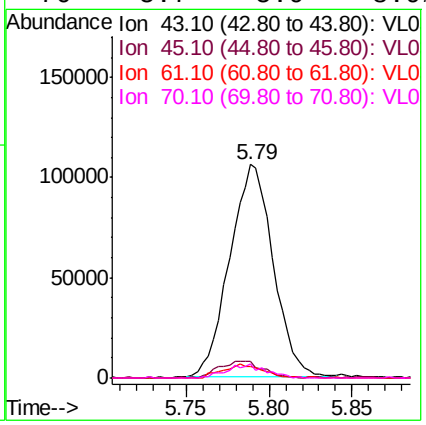


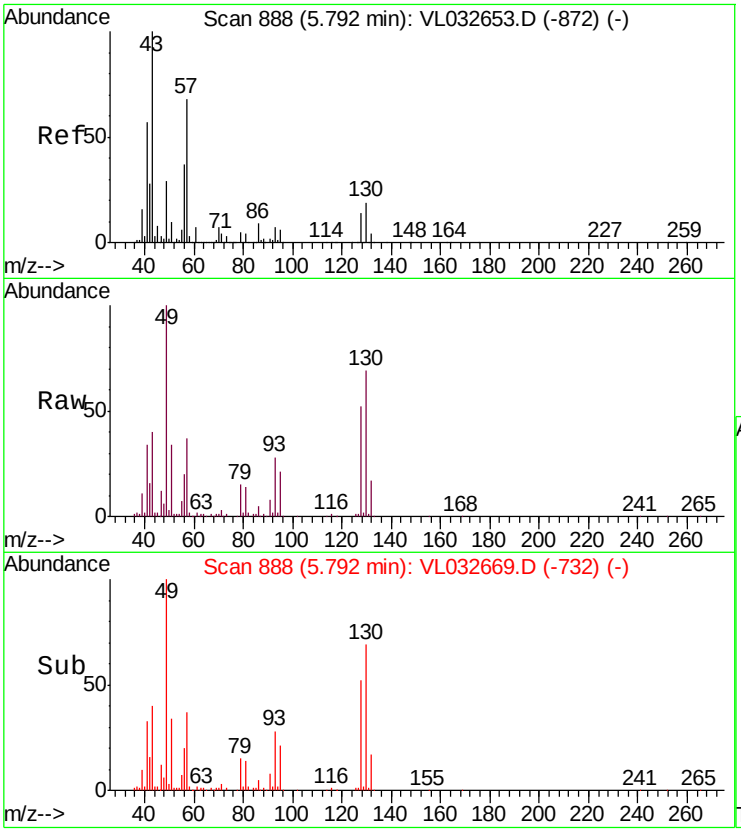


#25
Ethyl Acetate
Concen: 0.667 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 43 Resp: 194157

Ion	Ratio	Lower	Upper
43	100		
45	8.2	8.0	12.0
61	6.0	8.0	12.0#
70	5.7	5.9	8.9#



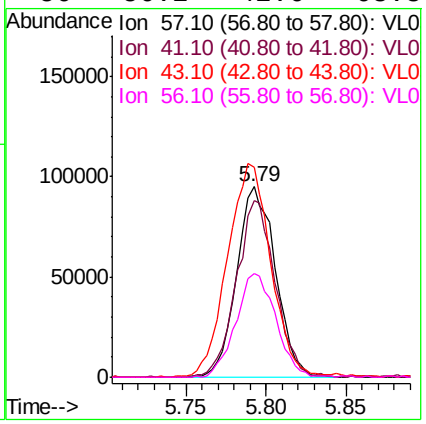


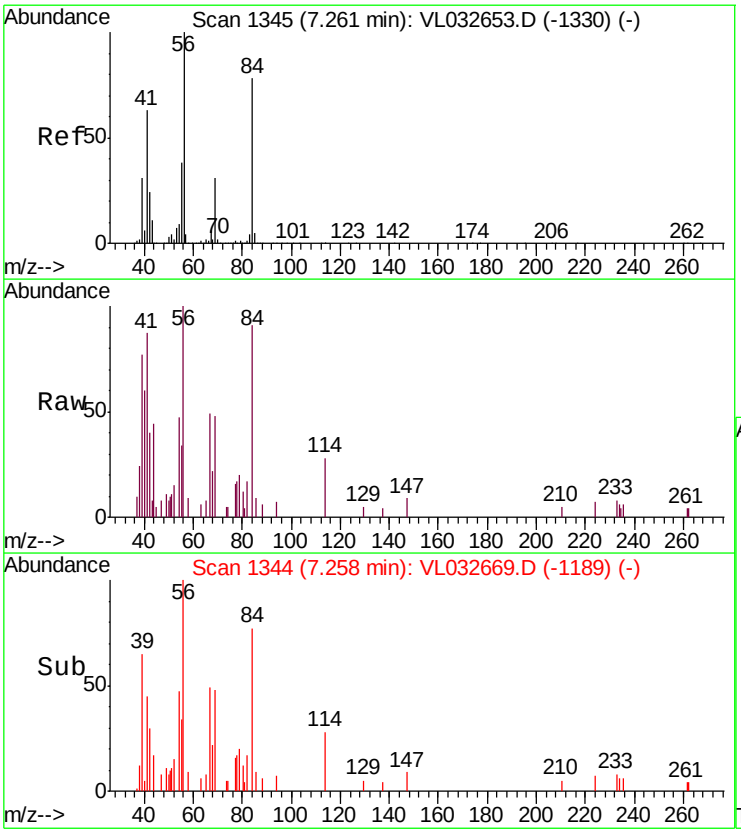
#26
Hexane
Concen: 1.136 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 57 Resp: 156395

Ion	Ratio	Lower	Upper
57	100		
41	93.4	67.4	101.0
43	127.2	171.9	257.9#
56	56.2	42.6	63.8

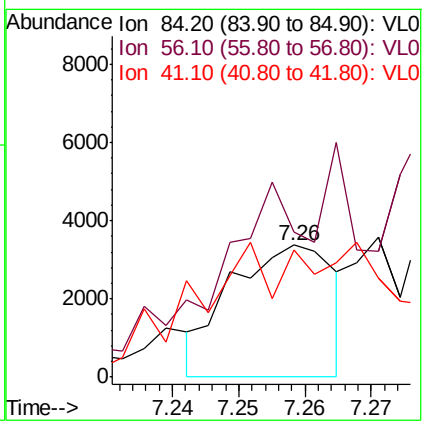


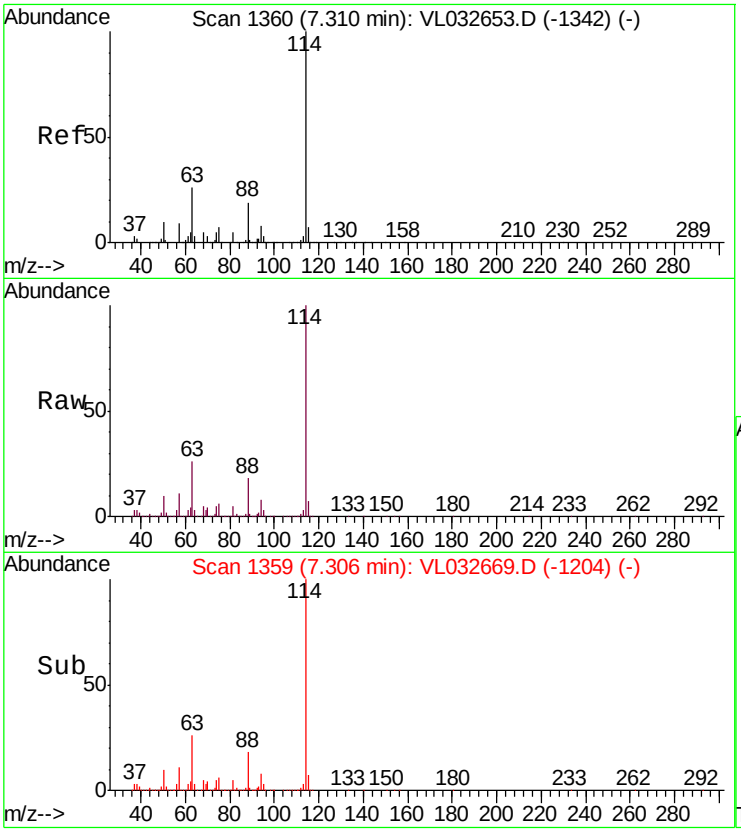


#30
Cyclohexane
Concen: 0.033 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 84 Resp: 3648

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.3	162.5#
41	272.5	64.8	97.2#



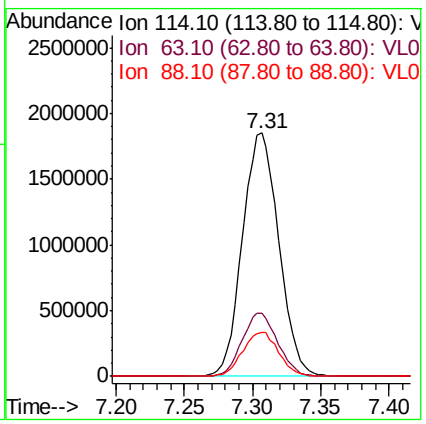


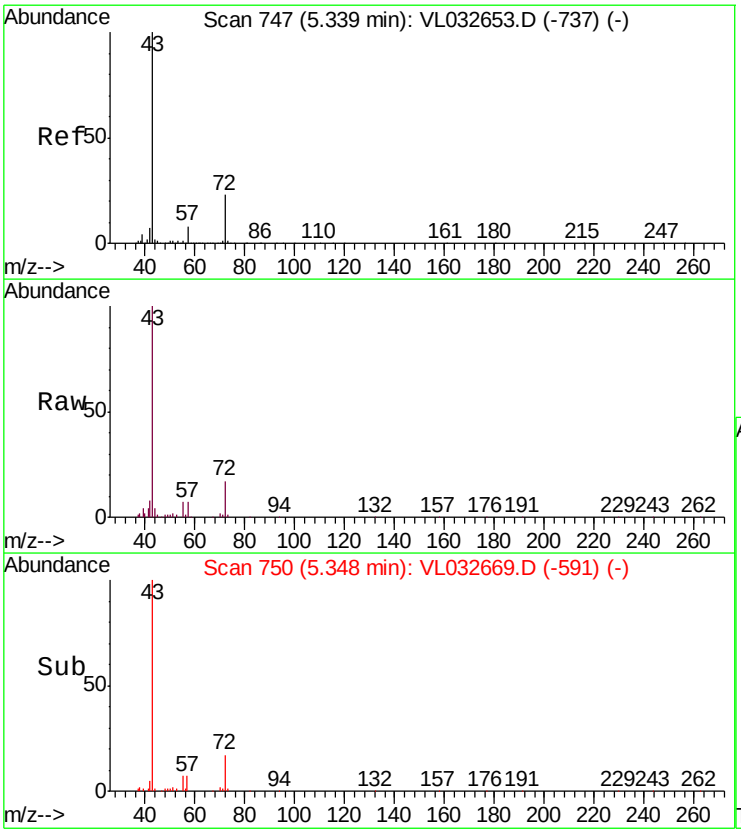
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion:114 Resp: 3428033

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.7	32.5
88	18.0	14.9	22.3

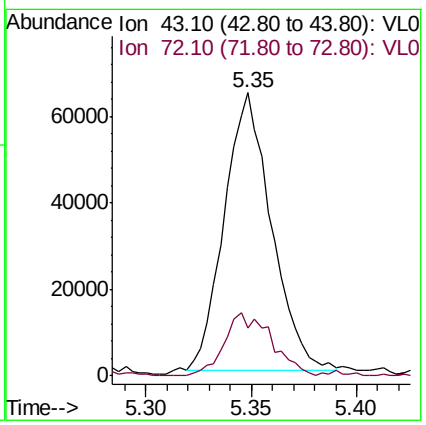


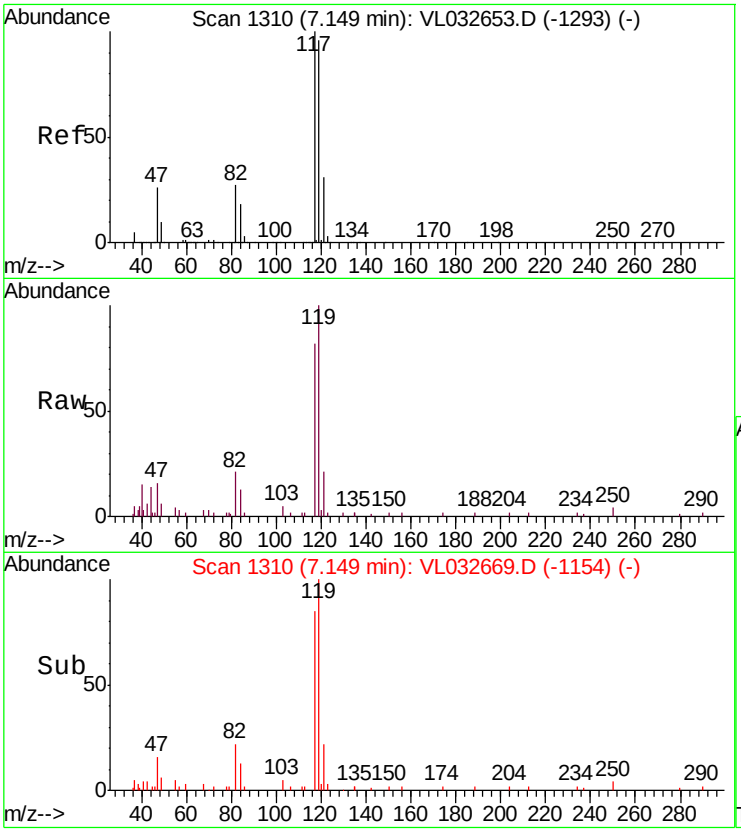


#34
2-Butanone
Concen: 0.545 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 43 Resp: 100192

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.6	27.8



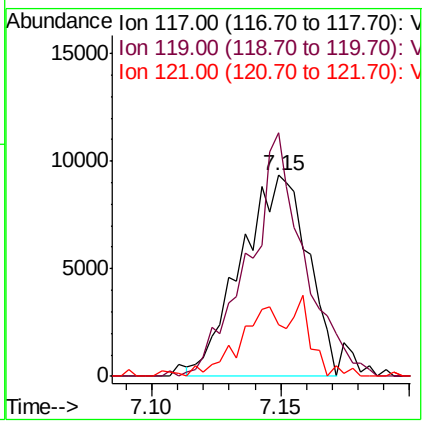


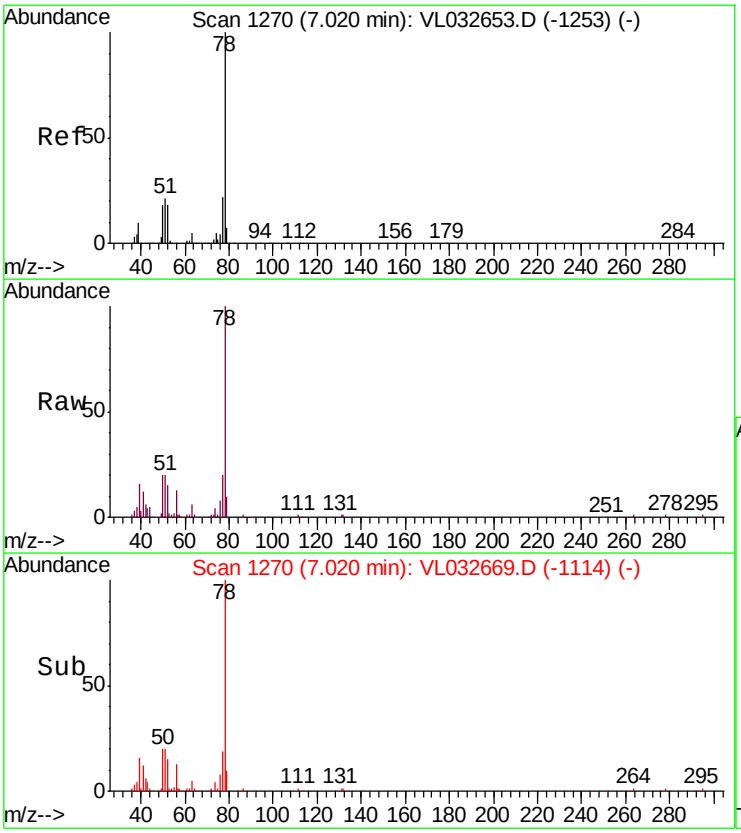
#35
Carbon Tetrachloride
Concen: 0.070 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion:117 Resp: 16918

Ion	Ratio	Lower	Upper
117	100		
119	118.9	75.7	113.5#
121	25.8	24.7	37.1

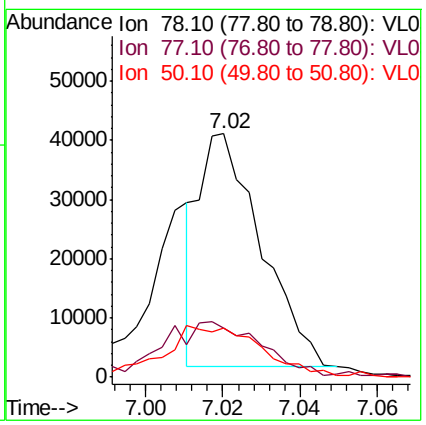


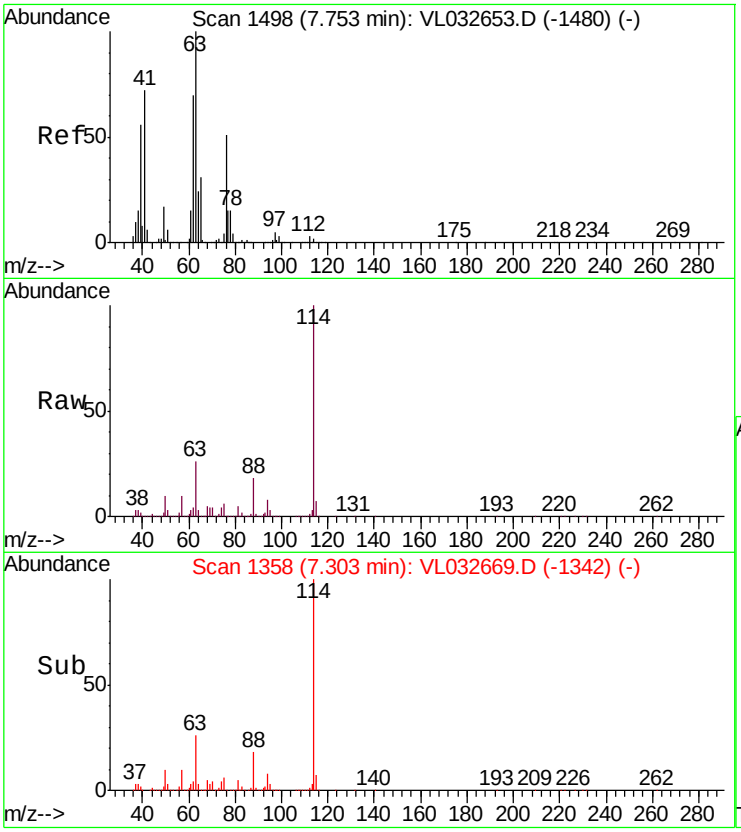


#36
Benzene
Concen: 0.156 ppbv
RT: 7.02 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 78 Resp: 43453

Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.1	27.1
50	19.9	15.1	22.7



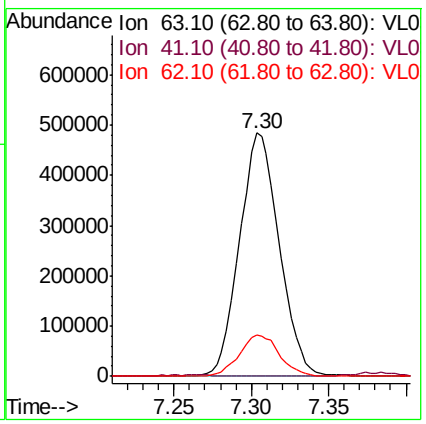


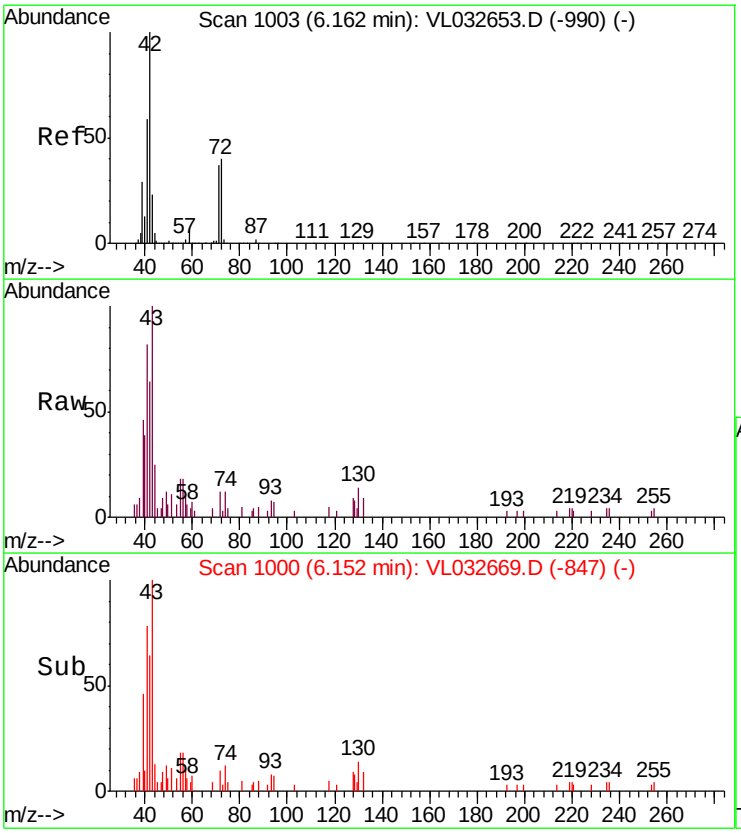
#39
1,2-Dichloropropane
Concen: 8.045 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.45 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 63 Resp: 864848

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	16.8	54.4	81.6#

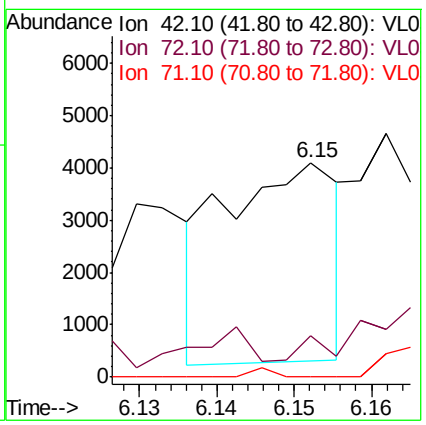


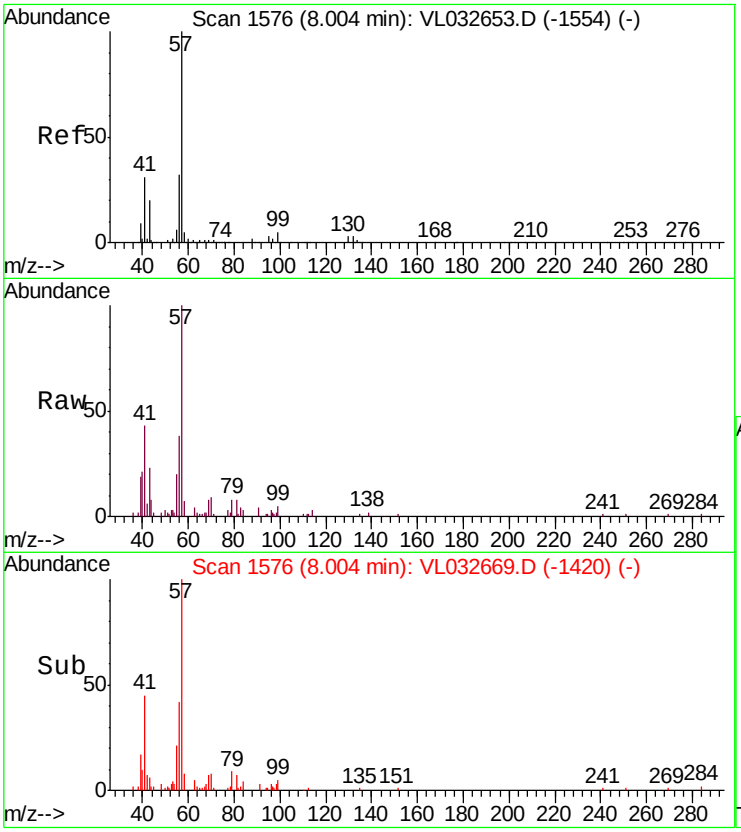


#41
Tetrahydrofuran
Concen: 0.038 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 42 Resp: 3859

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



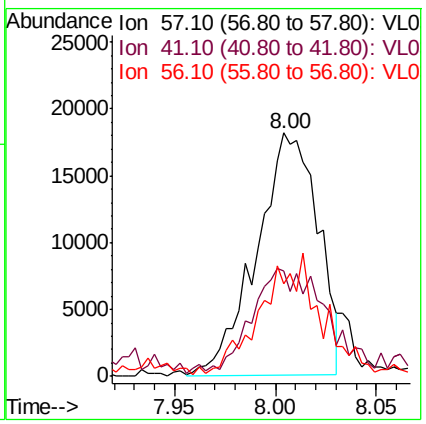


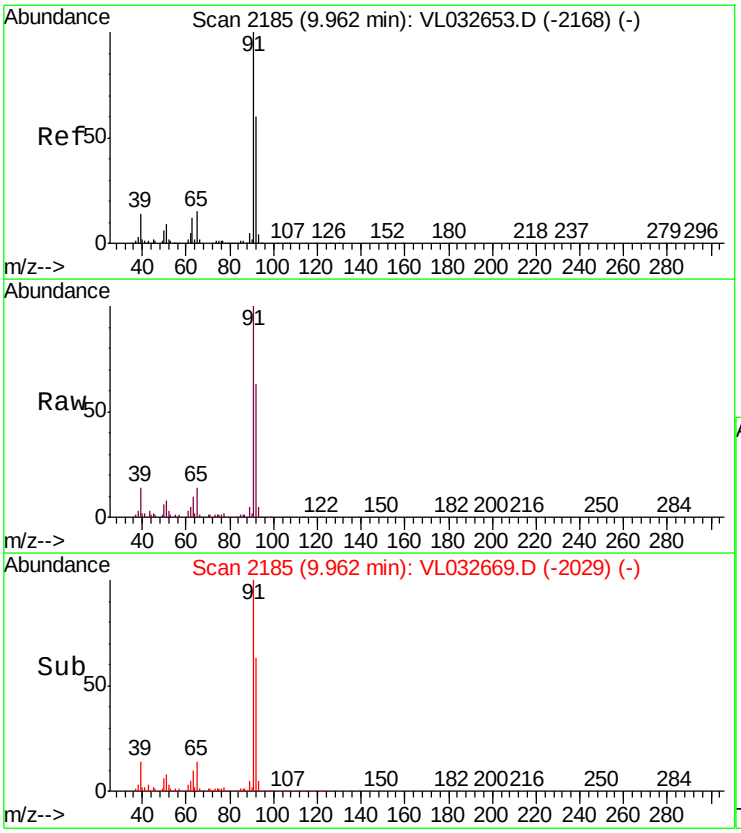
#44
2,2,4-Trimethylpentane
Concen: 0.080 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 57 Resp: 38092

Ion	Ratio	Lower	Upper
57	100		
41	57.6	24.7	37.1#
56	52.3	25.0	37.4#

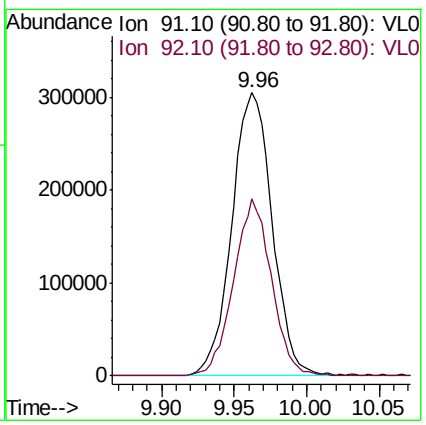


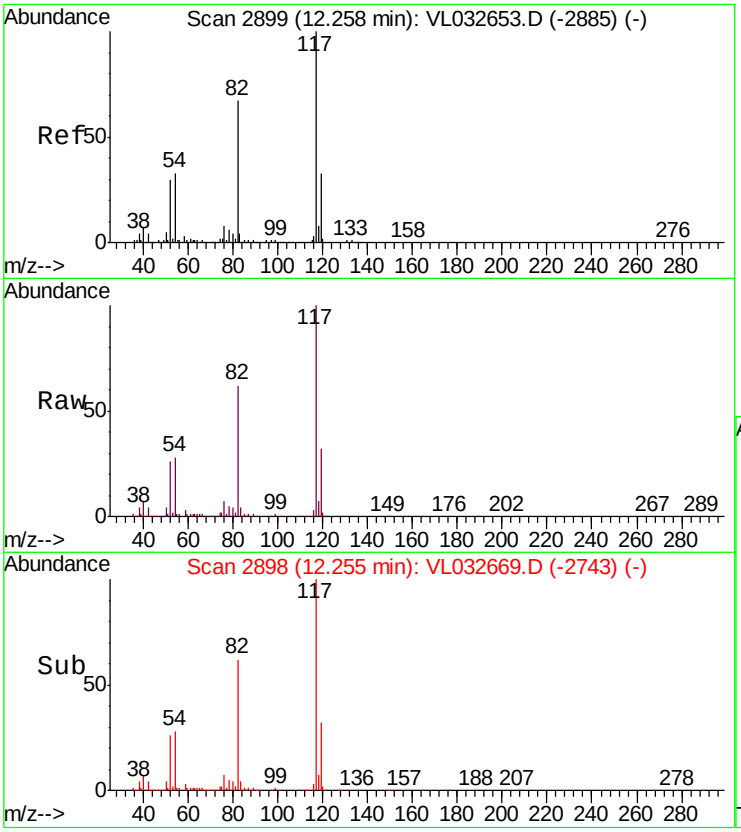


#53
Toluene
Concen: 1.849 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 91 Resp: 589952

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.4	72.6



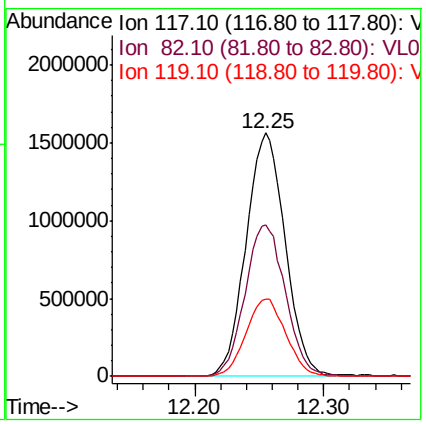


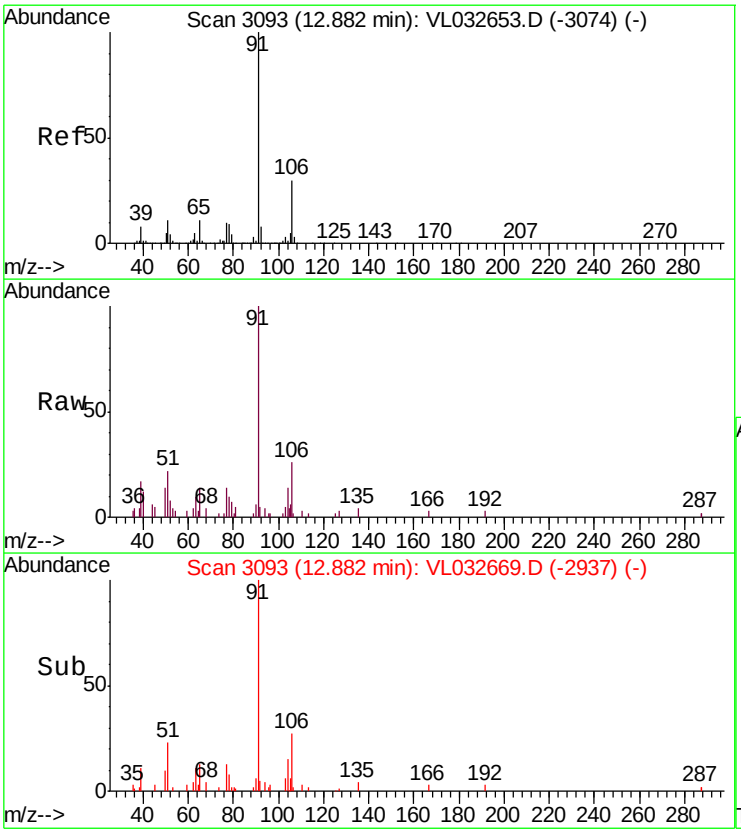
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion:117 Resp: 3307313

Ion	Ratio	Lower	Upper
117	100		
82	64.2	52.7	79.1
119	32.5	26.7	40.1

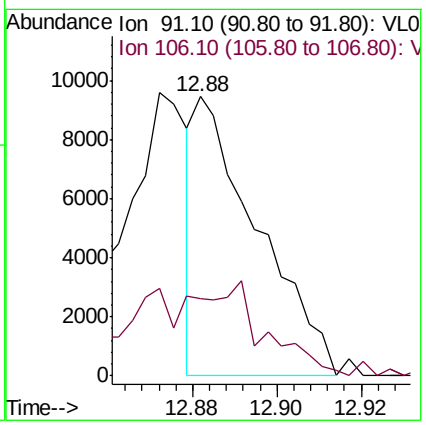


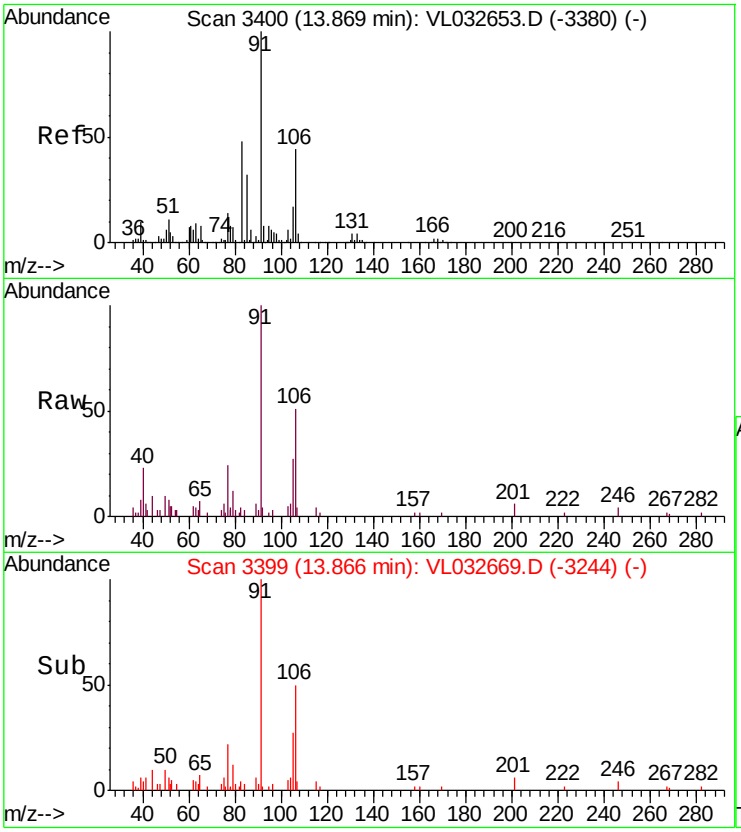


#58
Ethyl Benzene
Concen: 0.025 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 91 Resp: 9731

Ion	Ratio	Lower	Upper
91	100		
106	25.5	24.2	36.2



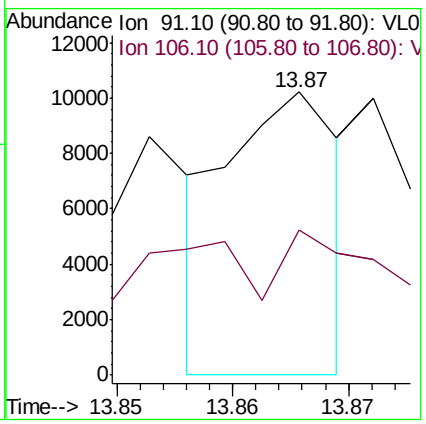


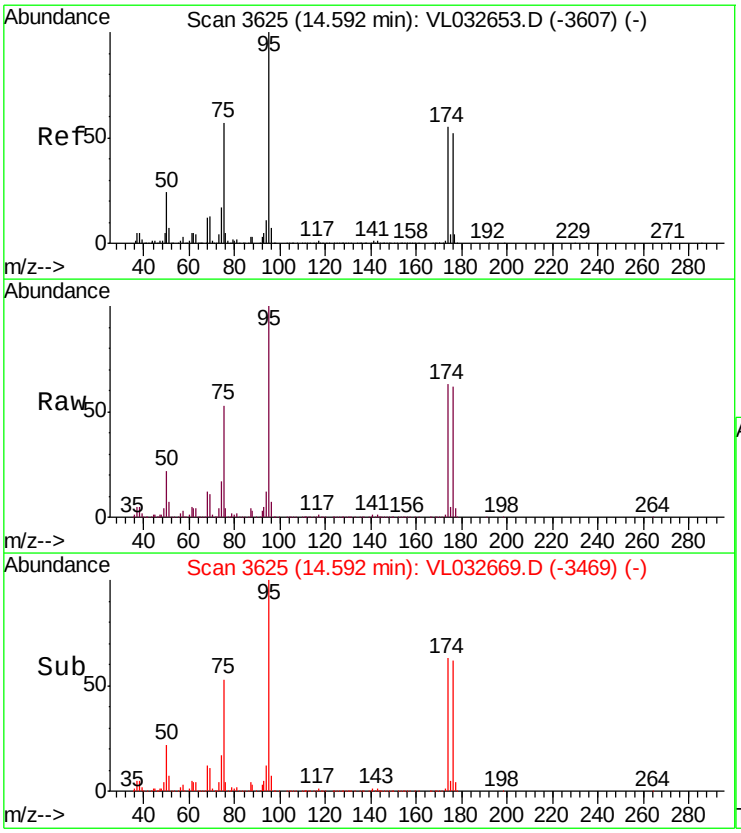
#60
o-Xylene
Concen: 0.021 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 91 Resp: 6816

Ion	Ratio	Lower	Upper
91	100		
106	162.7	22.1	66.1#

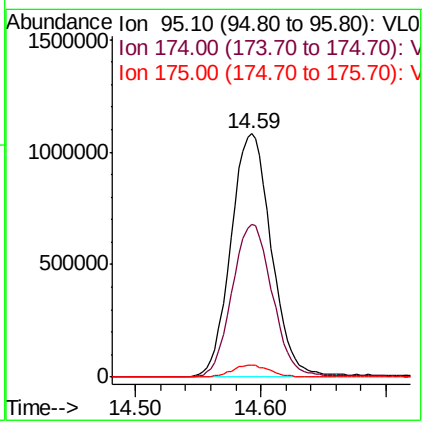


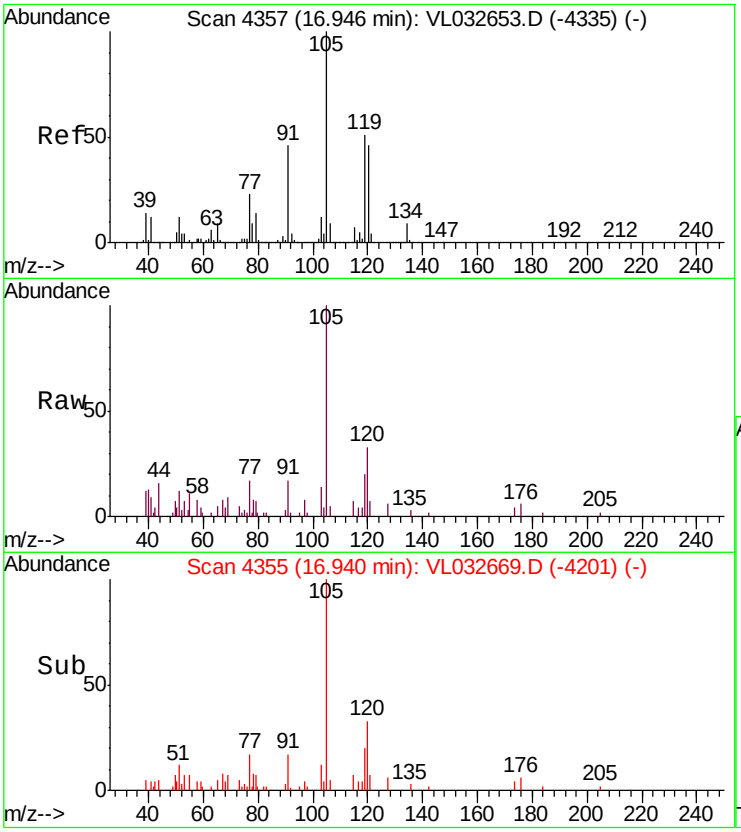


#68
1-Bromo-4-Fluorobenzene
Concen: 9.814 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Tgt Ion: 95 Resp: 2416858

Ion	Ratio	Lower	Upper
95	100		
174	64.2	46.0	69.0
175	4.7	3.4	5.0





#74
1,2,4-Trimethylbenzene
Concen: 0.048 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. -0.01 min
Lab File: VL032669.D
Acq: 19 Oct 2018 5:04

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion:105 Resp: 17440

Ion	Ratio	Lower	Upper
105	100		
120	37.1	35.8	53.8
91	13.1	33.2	49.8#
77	19.1	16.2	24.4