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

Quantitation Report (Not Reviewed)

Data File : VL032732.D
Acq On : 8 Nov 2018 00:57
Operator : SY/AP
Sample : J5823-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DUP-1DL

Quant Time: Nov 08 10:58:26 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	1464951	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3718654	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.25	117	3659977	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2770819	10.17	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	8114	0.054	ppbv		99
3) Chlorodifluoromethane	3.02	51	4438	0.039	ppbv		93
4) Chloromethane	3.18	50	2461	0.038	ppbv	#	84
9) Propene	3.04	41	13415	0.285	ppbv		92
13) Ethanol	3.66	45	2037350	151.191	ppbv		98
15) Acetone	3.91	43	228394	1.688	ppbv		94
17) tert-Butyl alcohol	4.38	59	78179	1.965	ppbv	#	100
19) Isopropyl Alcohol	4.04	45	277639	2.882	ppbv		99
20) Methylene Chloride	4.41	84	4820	0.070	ppbv	#	48
23) Vinyl Acetate	5.15	43	27989	0.117	ppbv	#	66
25) Ethyl Acetate	5.78	43	10019	0.032	ppbv	#	75
26) Hexane	5.79	57	25768	0.175	ppbv	#	57
34) 2-Butanone	5.34	43	9196	0.046	ppbv	#	52
36) Benzene	7.01	78	77268	0.256	ppbv	#	94
39) 1,2-Dichloropropane	7.30	63	924953	7.932	ppbv	#	25
44) 2,2,4-Trimethylpentane	8.00	57	104623	0.203	ppbv	#	79
53) Toluene	9.96	91	508629	1.469	ppbv		100
58) Ethyl Benzene	12.88	91	49901	0.117	ppbv		90
59) m/p-Xylene	13.16	91	32788	0.087	ppbv	#	31
60) o-Xylene	13.86	91	39333	0.108	ppbv	#	59
74) 1,2,4-Trimethylbenzene	16.93	105	22822	0.056	ppbv	#	71
75) 1,3-Dichlorobenzene	17.17	146	7295	0.031	ppbv	#	23

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

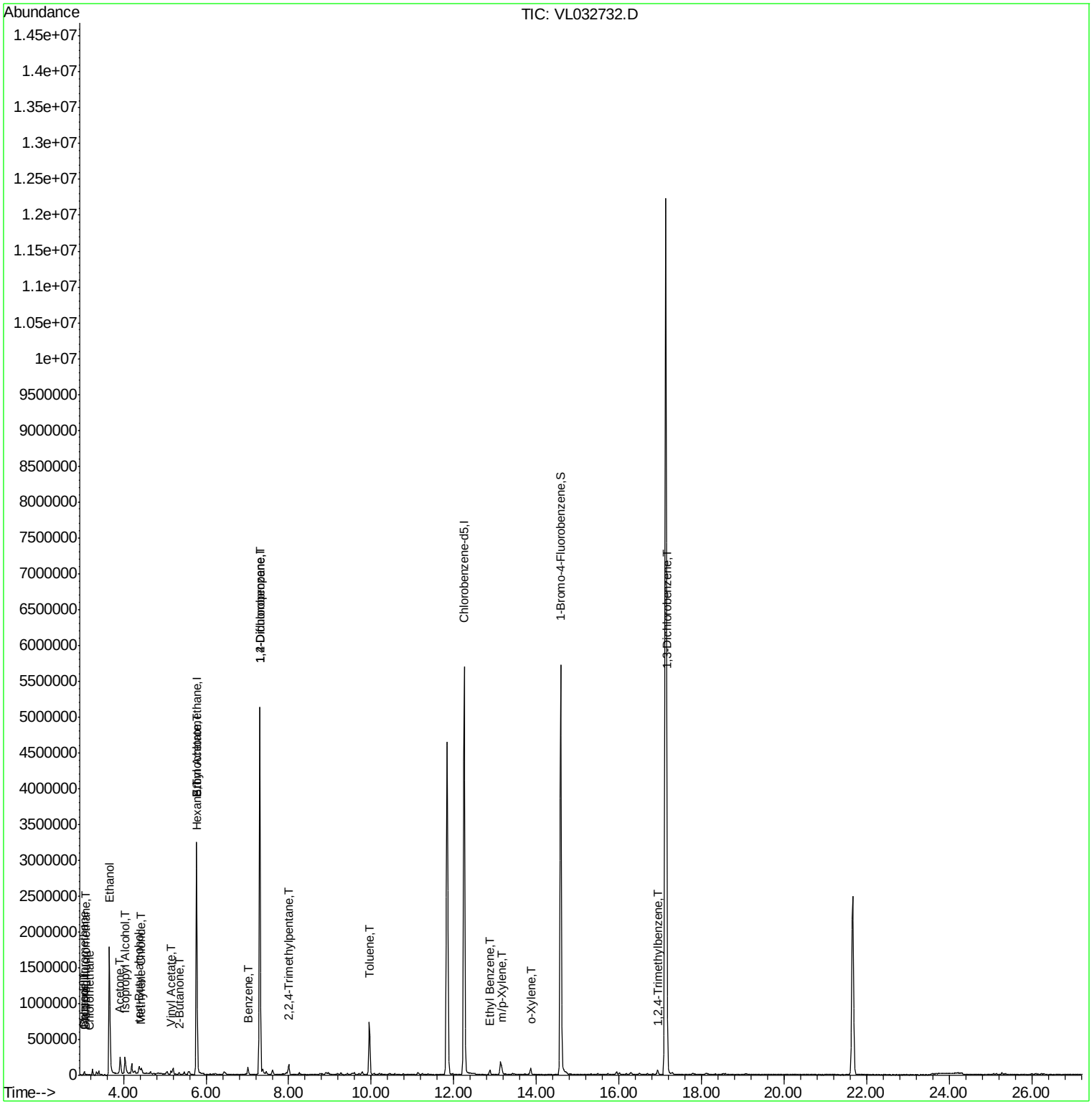
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL110718\

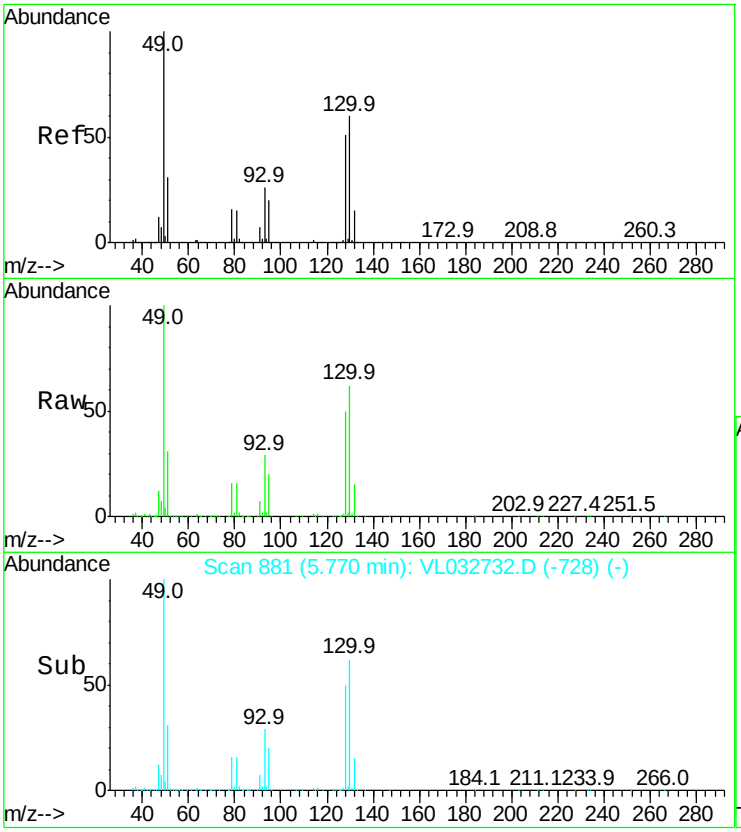
Quantitation Report (Not Reviewed)

Data File : VL032732.D
Acq On : 8 Nov 2018 00:57
Operator : SY/AP
Sample : J5823-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : DUP-1DL

Quant Time: Nov 08 10:58:26 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



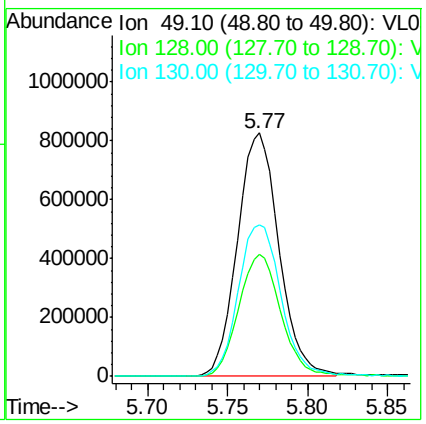


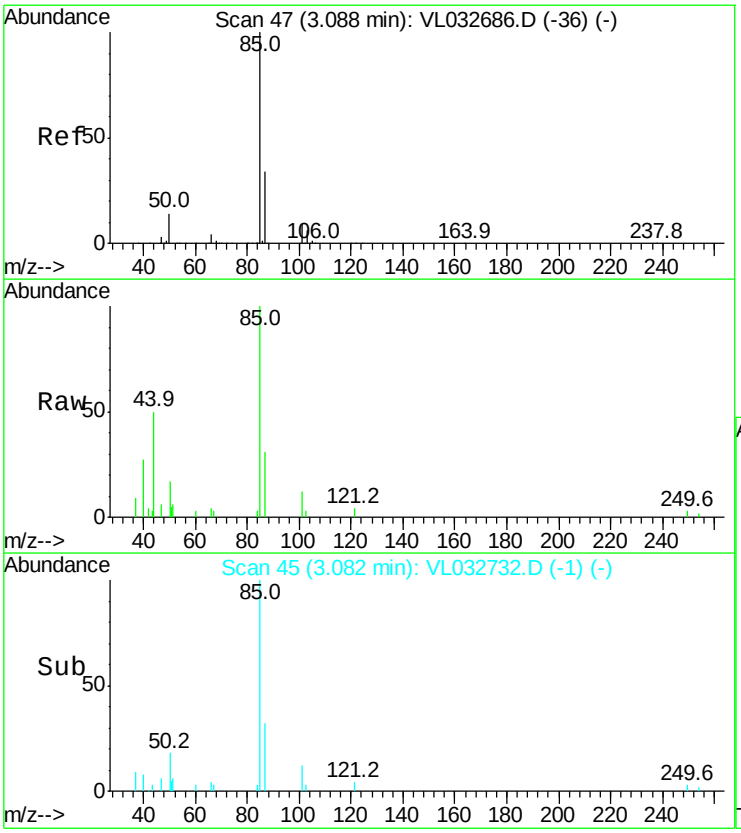
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 49 Resp: 1464951

Ion	Ratio	Lower	Upper
49	100		
128	51.5	22.3	66.8
130	64.6	28.4	85.3

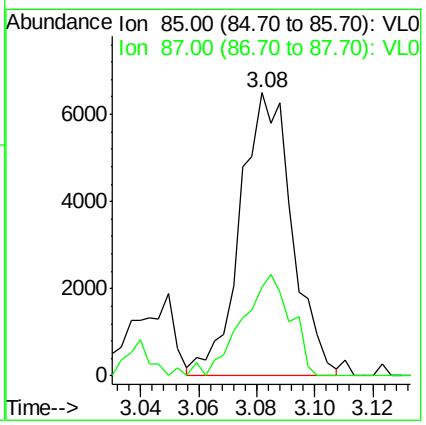


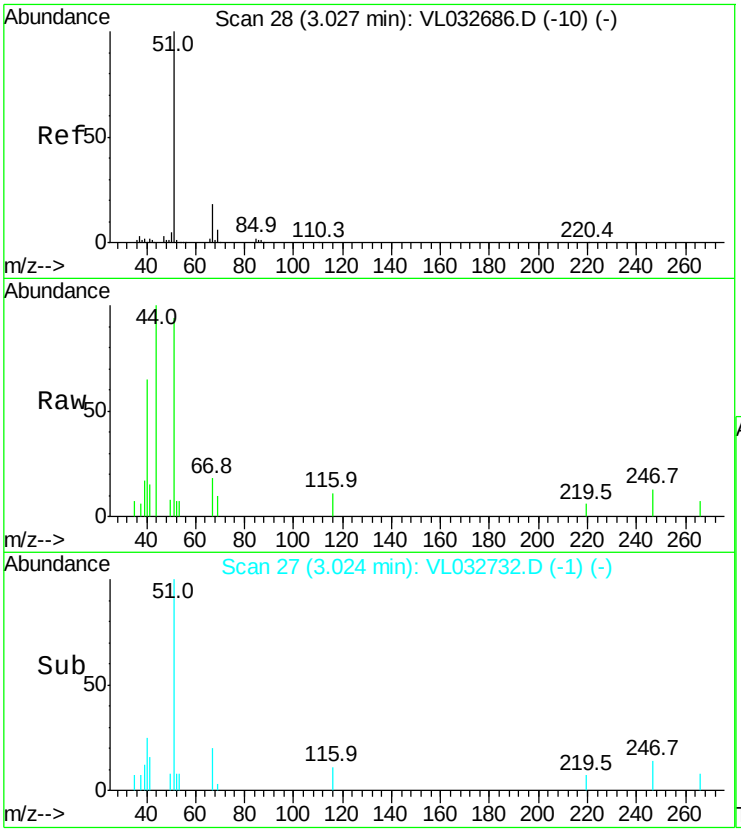


#2
Dichlorodifluoromethane
Concen: 0.054 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 85 Resp: 8114

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.2	39.2



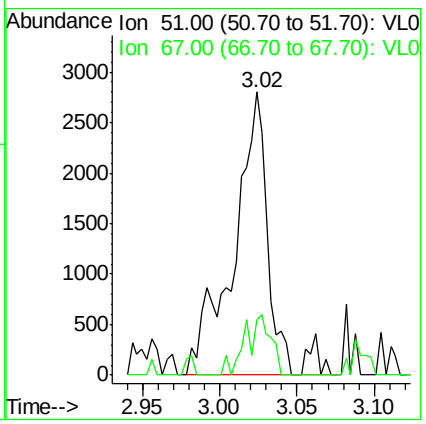


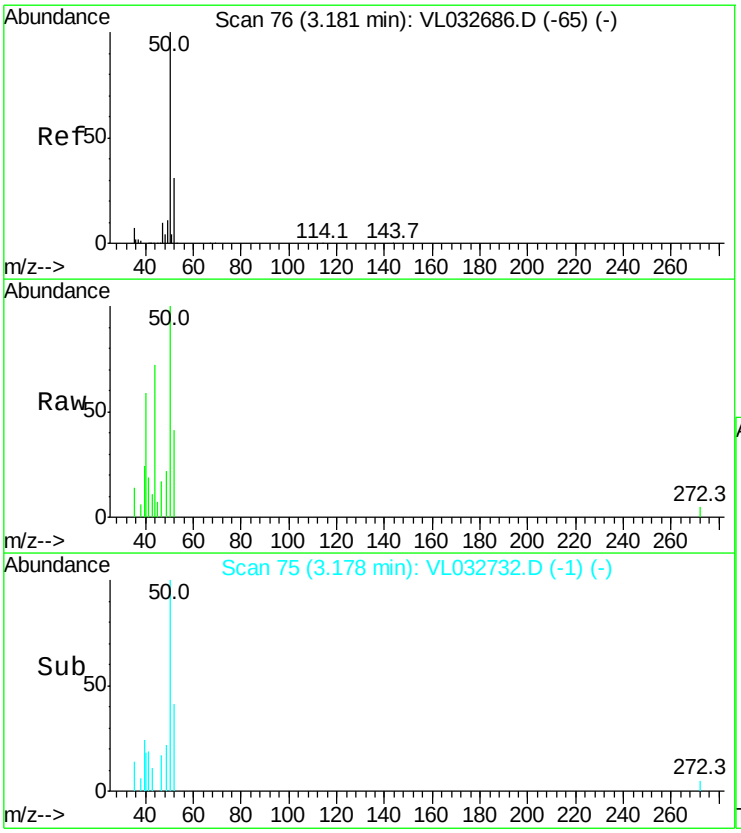
#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 51 Resp: 4438

Ion	Ratio	Lower	Upper
51	100		
67	15.7	15.2	22.8

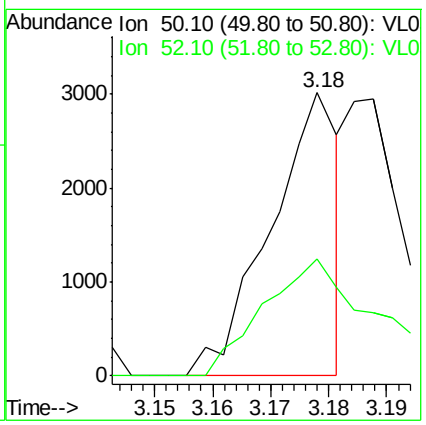


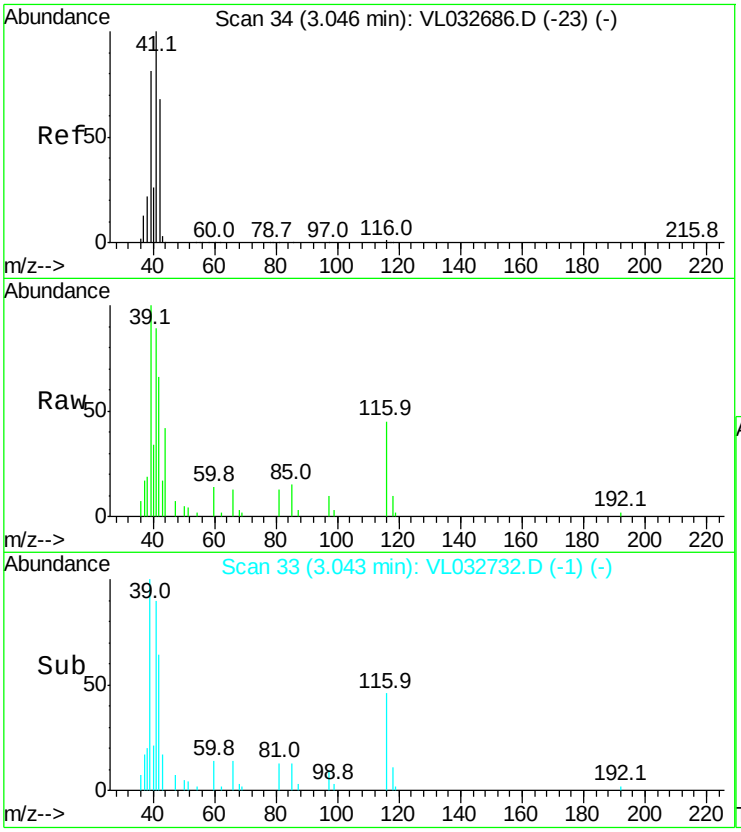


#4
Chloromethane
Concen: 0.038 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 50 Resp: 2461

Ion	Ratio	Lower	Upper
50	100		
52	41.5	25.9	38.9#

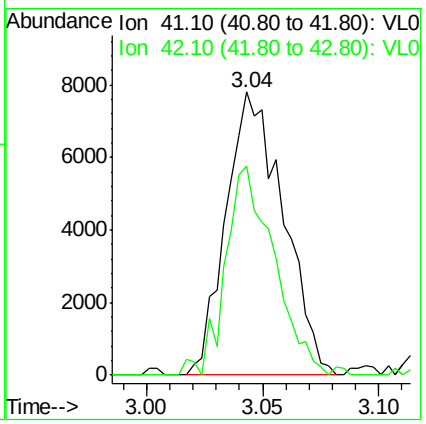




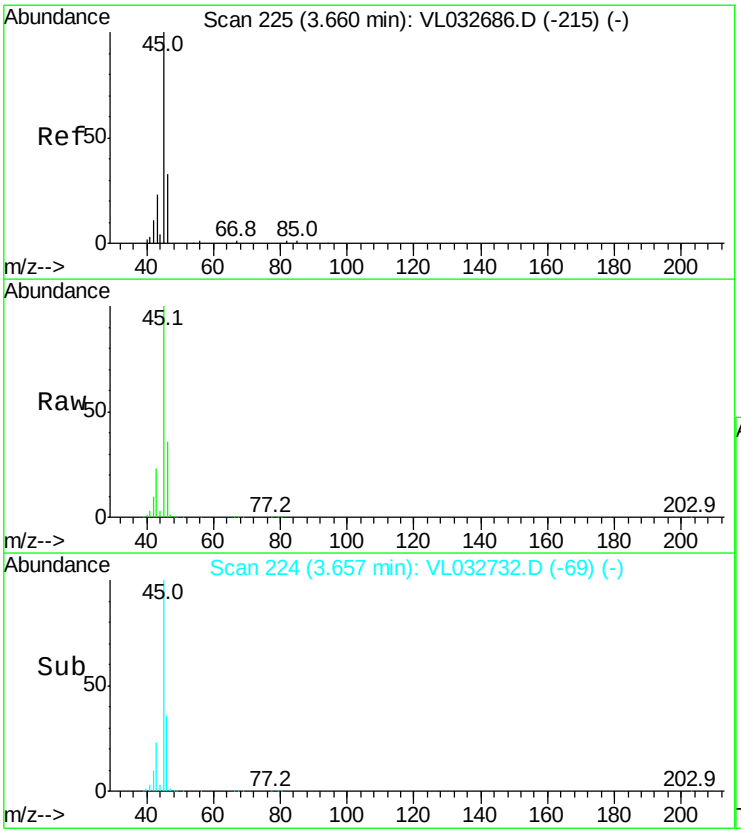
#9
Propene
Concen: 0.285 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 41 Resp: 13415

Ion	Ratio	Lower	Upper
41	100		
42	63.0	55.4	83.0



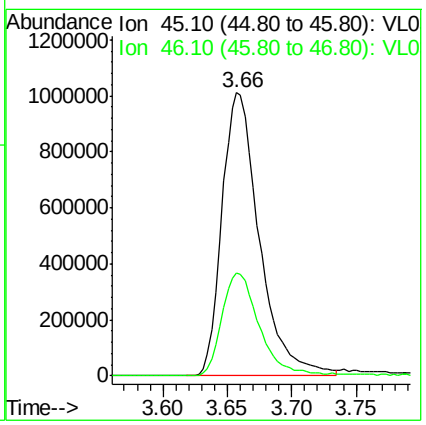
Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

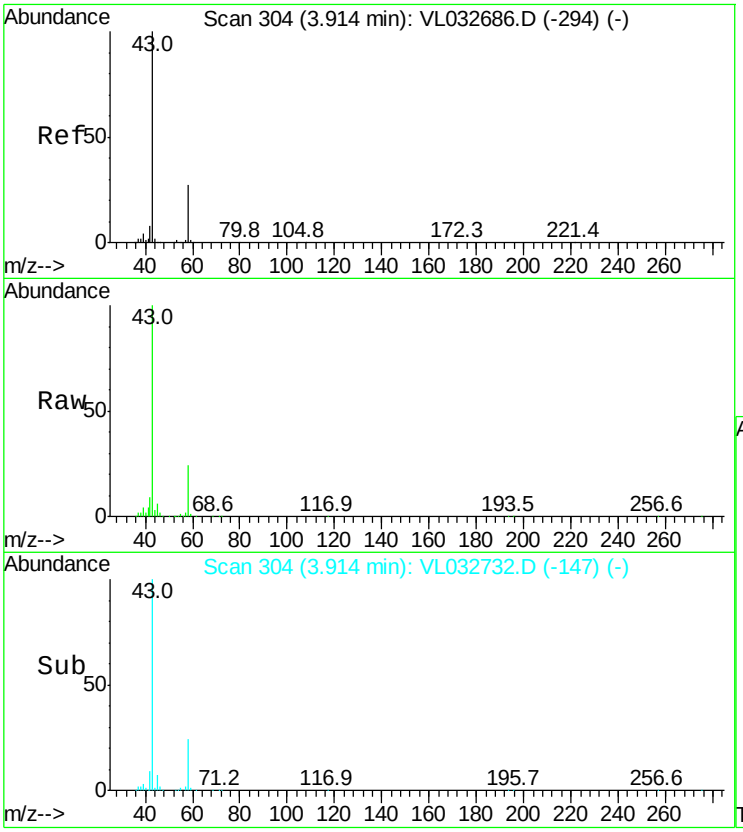


#13
Ethanol
Concen: 151.191 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 45 Resp: 2037350

Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.4	61.8



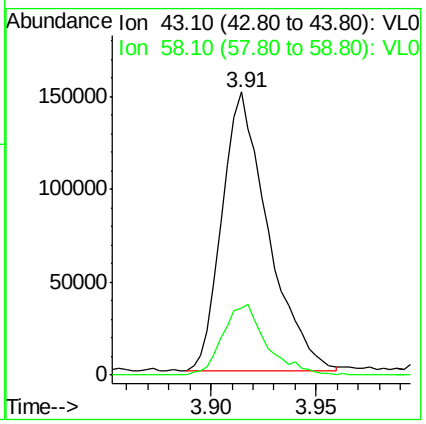


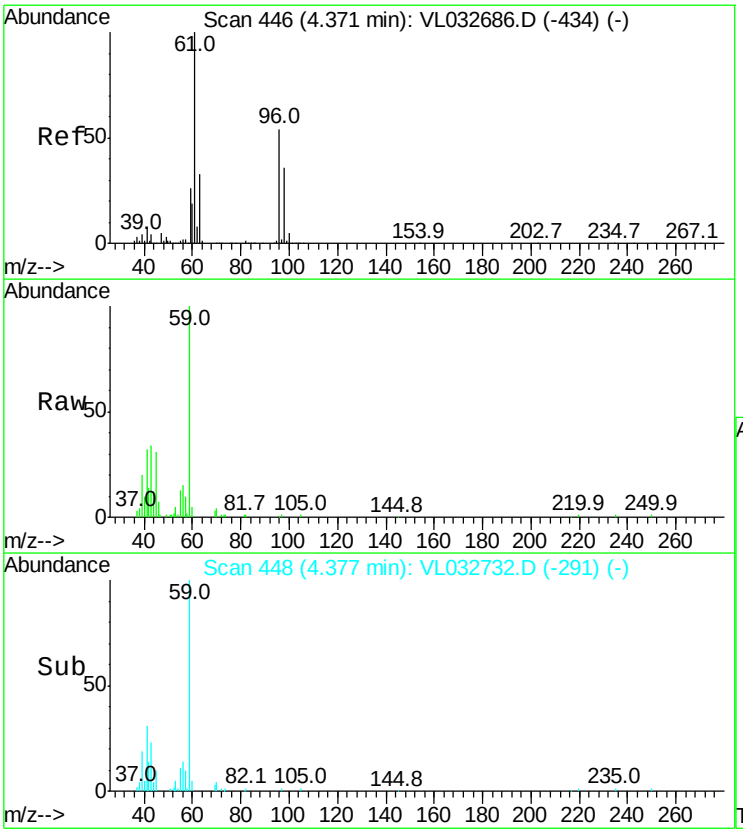
#15
Acetone
Concen: 1.688 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 43 Resp: 228394

Ion	Ratio	Lower	Upper
43	100		
58	24.5	22.1	33.1

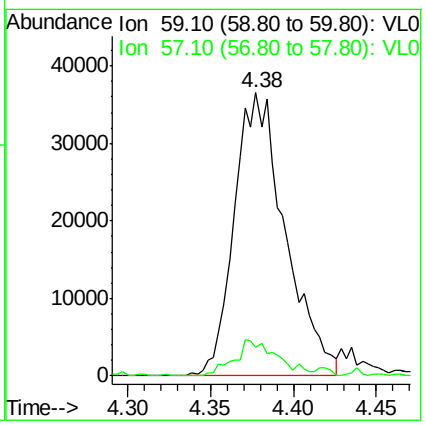


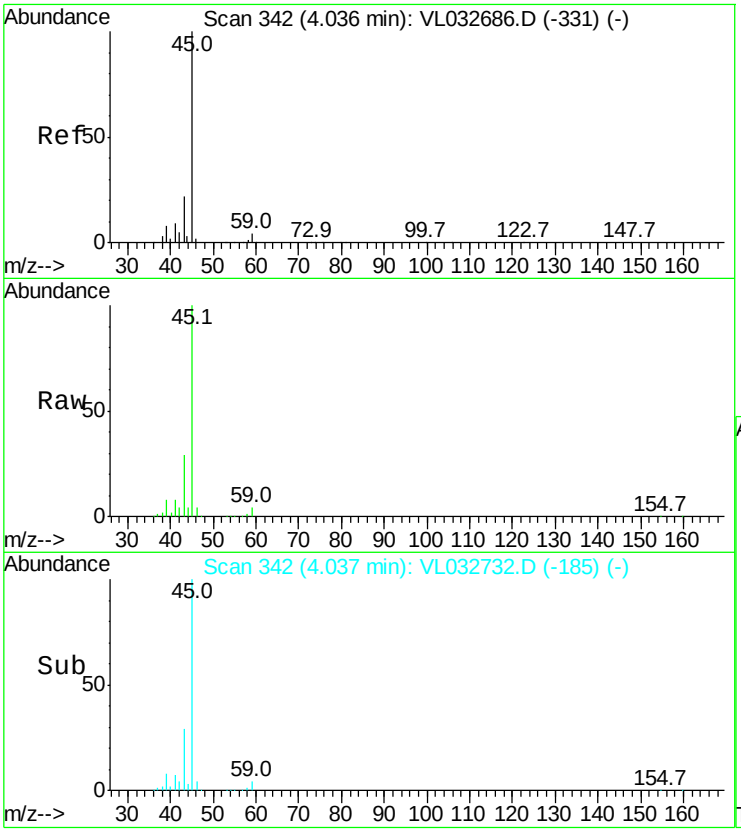


#17
tert-Butyl alcohol
Concen: 1.965 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 59 Resp: 78179

Ion	Ratio	Lower	Upper
59	100		
57	11.9	0.0	0.0#



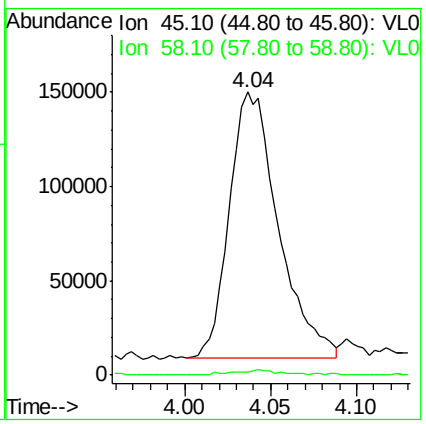


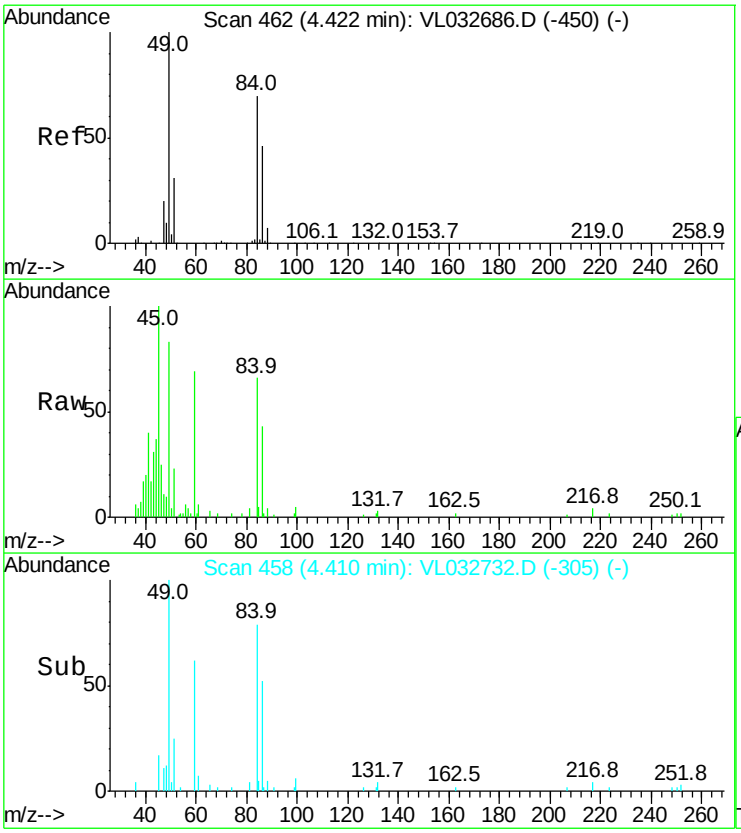
#19
Isopropyl Alcohol
Concen: 2.882 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument : MSVOA_L
ClientSampleId : DUP-1DL

Tgt Ion: 45 Resp: 277639

Ion	Ratio	Lower	Upper
45	100		
58	2.3	2.0	3.0

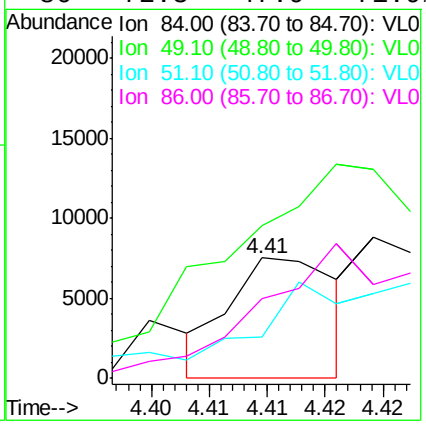


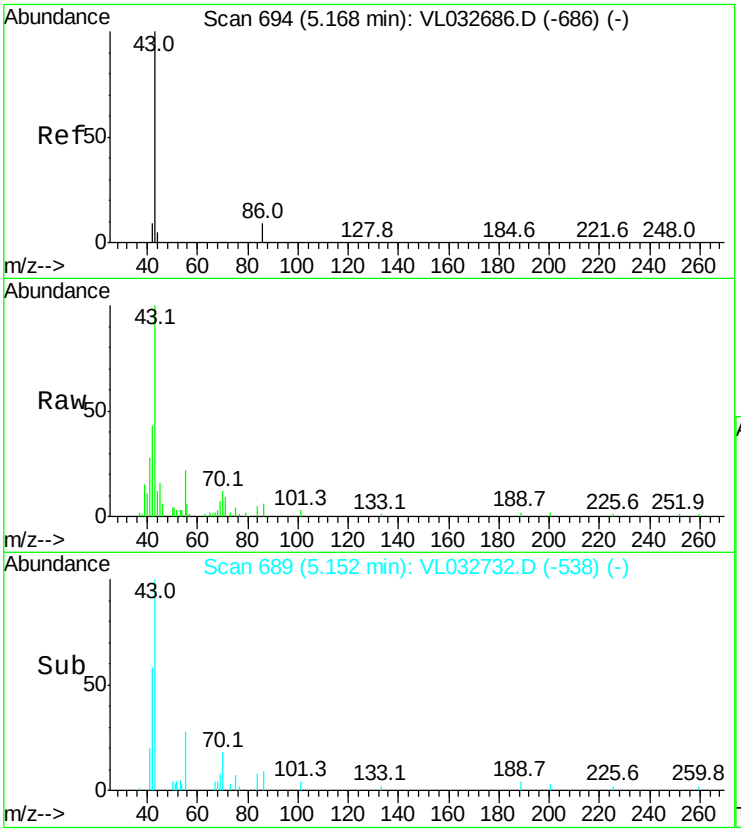


#20
Methylene Chloride
Concen: 0.070 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 84 Resp: 4820

Ion	Ratio	Lower	Upper
84	100		
49	48.7	113.5	170.3#
51	27.8	34.8	52.2#
86	72.3	47.9	71.9#



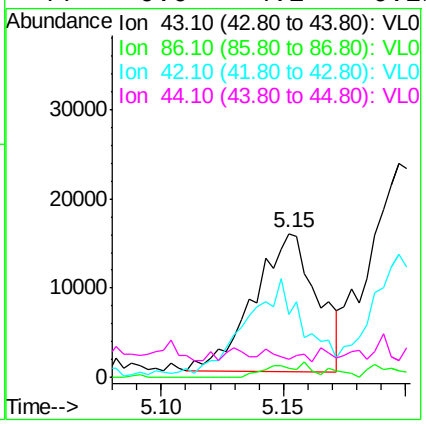


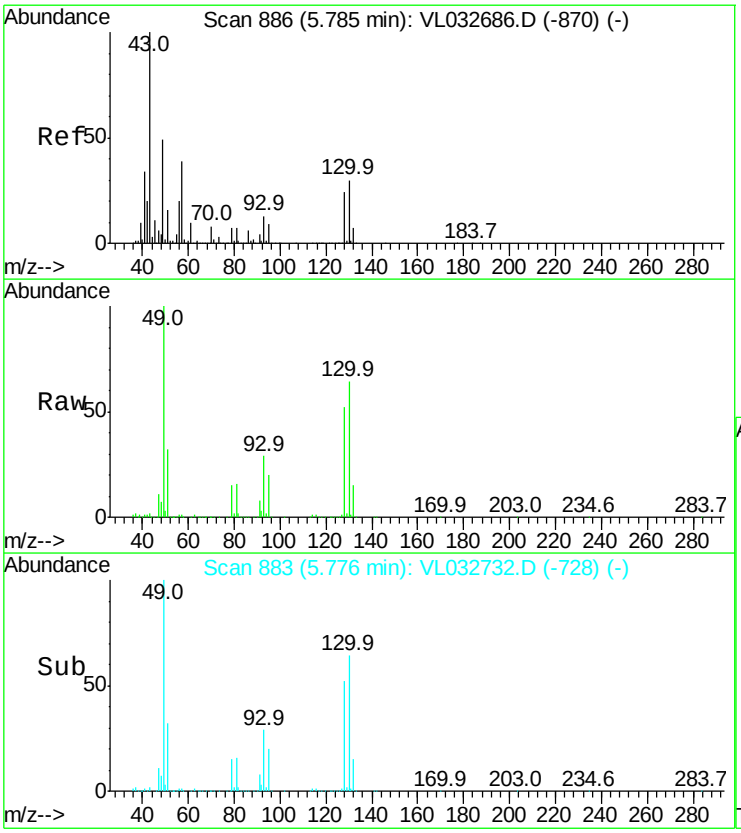
#23
Vinyl Acetate
Concen: 0.117 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 43 Resp: 27989

Ion	Ratio	Lower	Upper
43	100		
86	5.5	6.1	9.1#
42	34.2	7.4	11.2#
44	0.0	4.2	6.2#

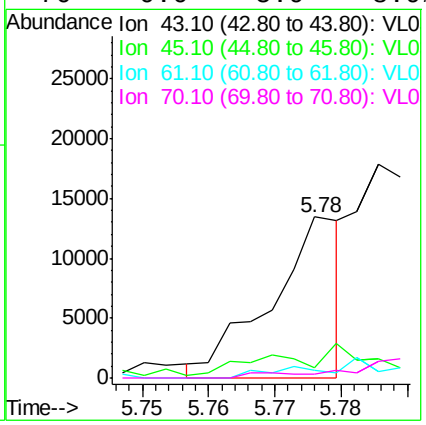


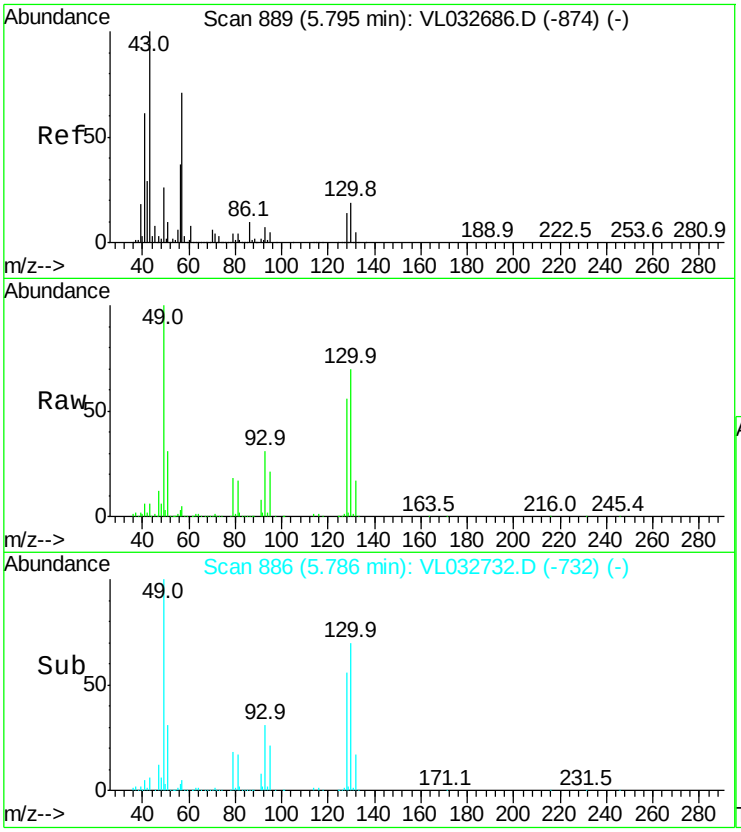


#25
Ethyl Acetate
Concen: 0.032 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 43 Resp: 10019

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	8.0	12.0#
70	0.0	5.9	8.9#



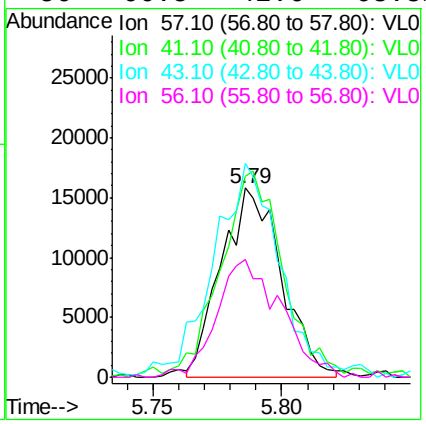


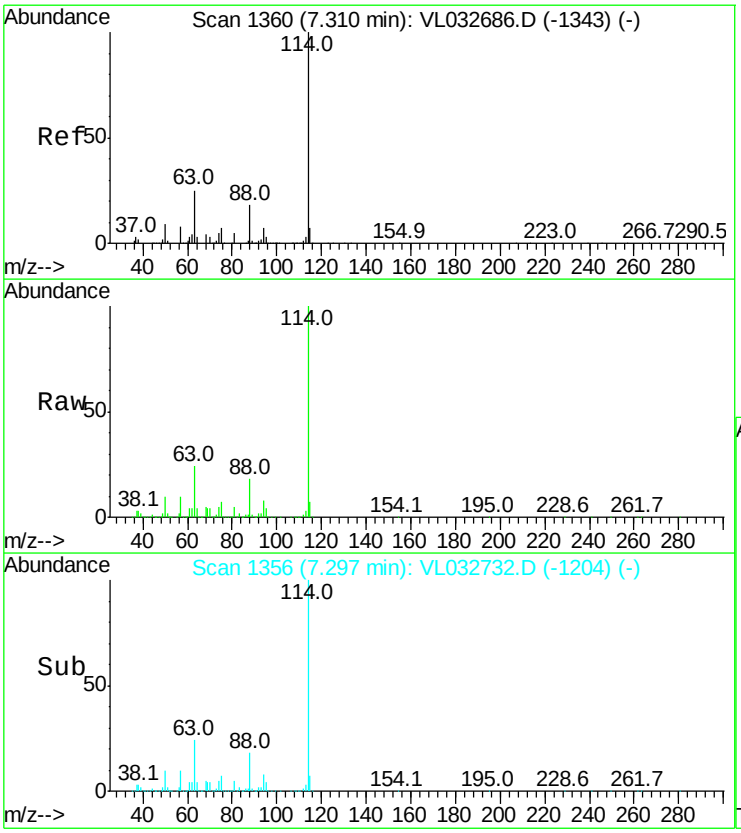
#26
Hexane
Concen: 0.175 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 57 Resp: 25768

Ion	Ratio	Lower	Upper
57	100		
41	110.5	67.4	101.0#
43	127.5	171.9	257.9#
56	66.5	42.6	63.8#

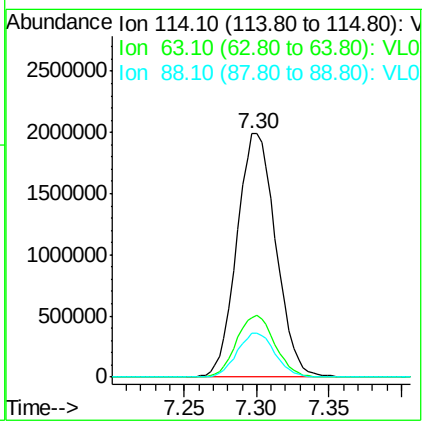


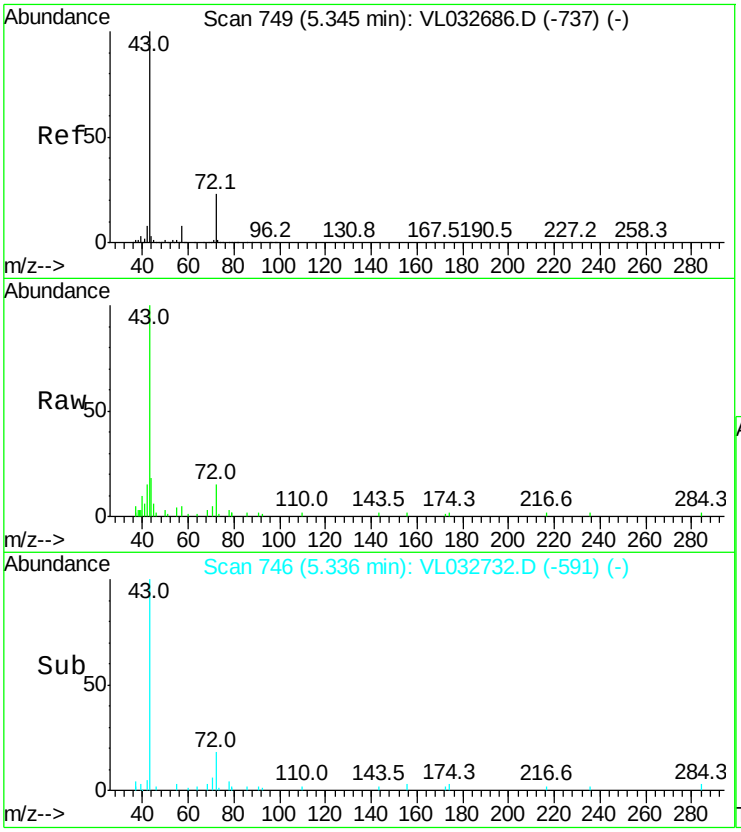


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion:114 Resp: 3718654

Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.7	32.5
88	17.7	14.9	22.3



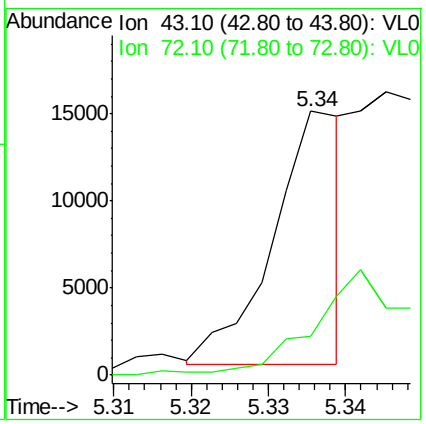


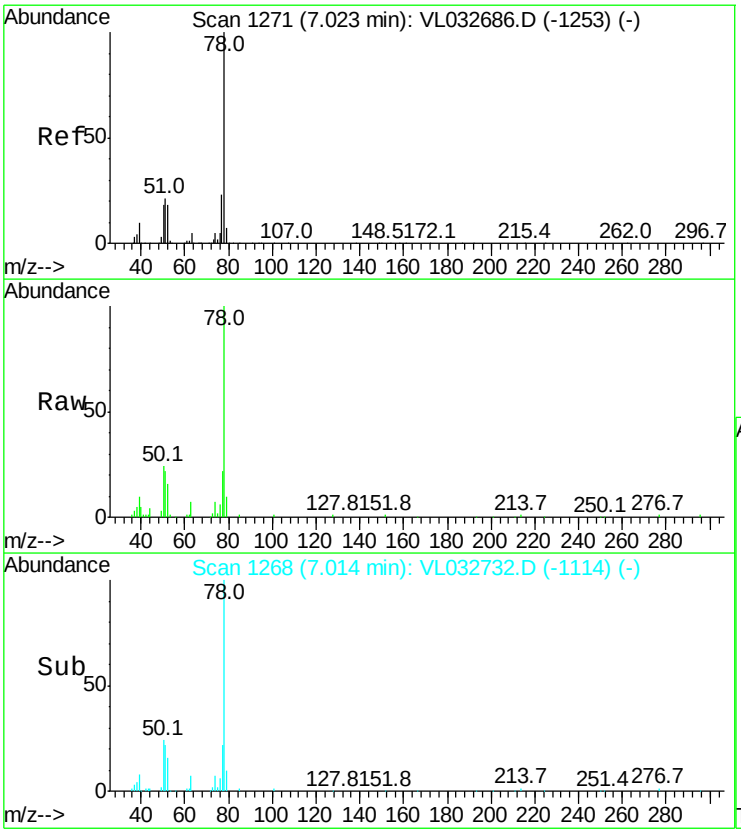
#34
2-Butanone
Concen: 0.046 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 43 Resp: 9196

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

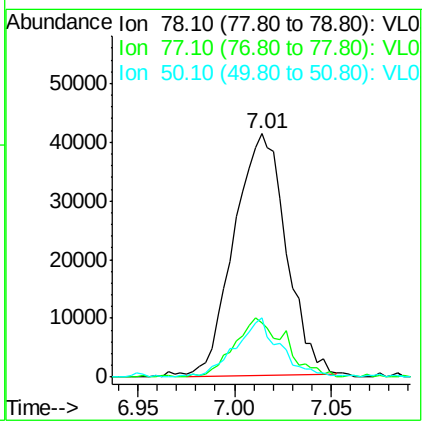


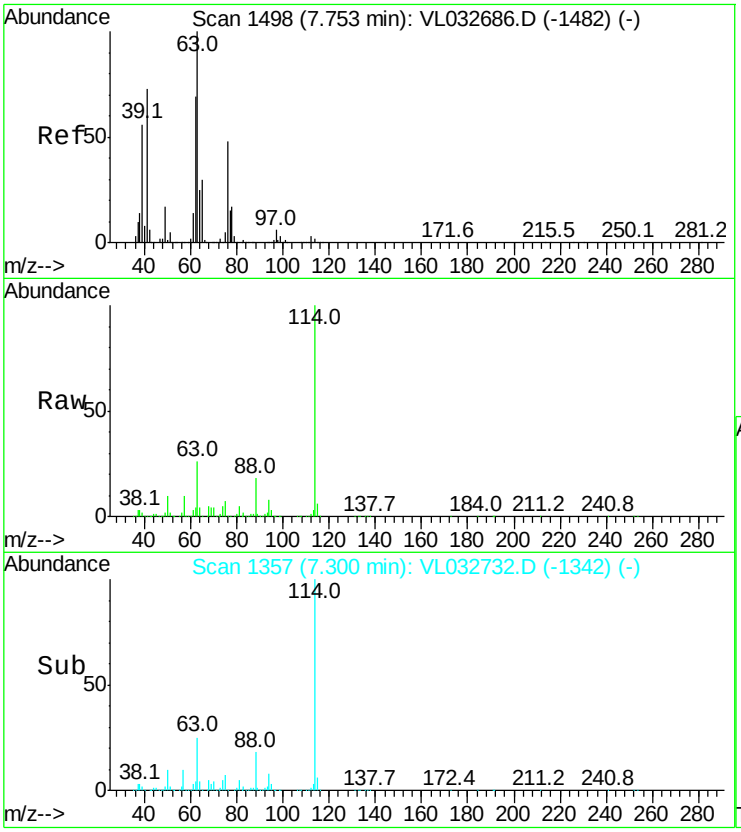


#36
Benzene
Concen: 0.256 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 78 Resp: 77268

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.1	27.1
50	24.1	15.1	22.7#



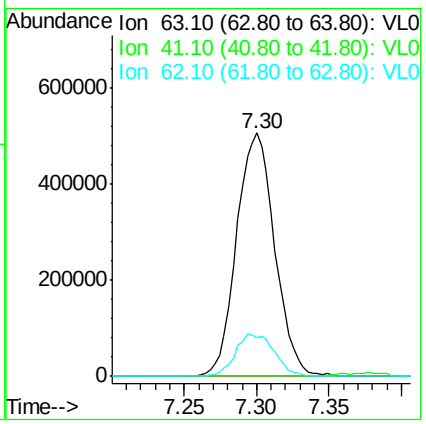


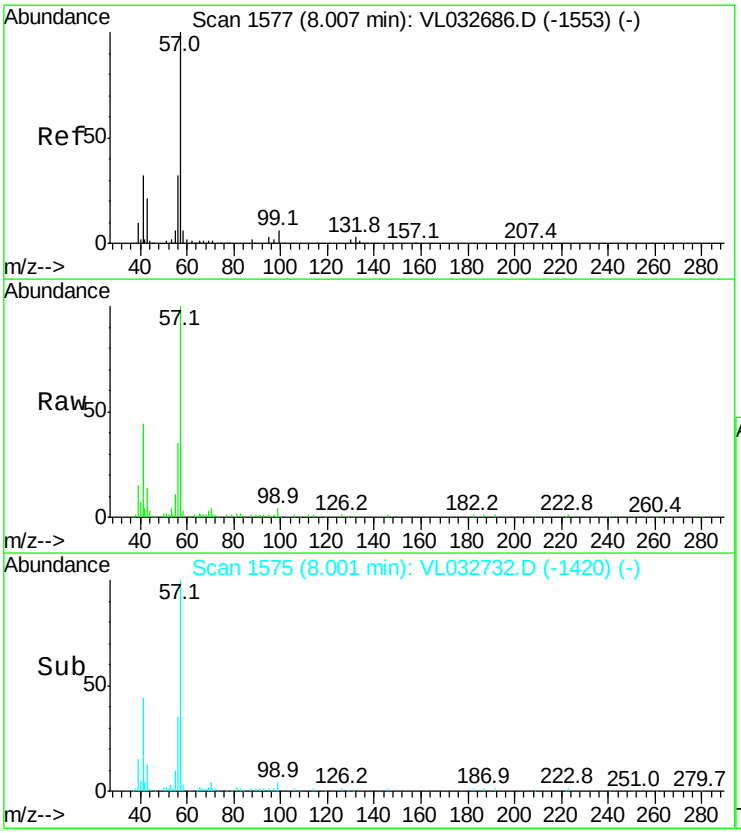
#39
1,2-Dichloropropane
Concen: 7.932 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.45 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 63 Resp: 924953

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	16.2	54.4	81.6#

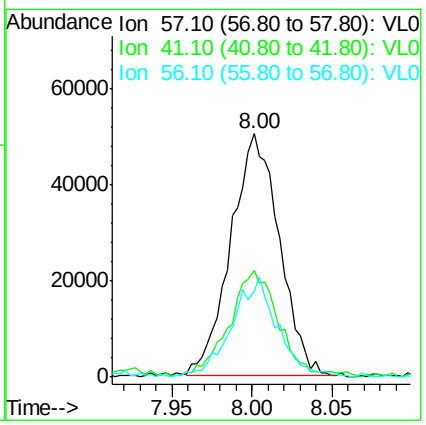


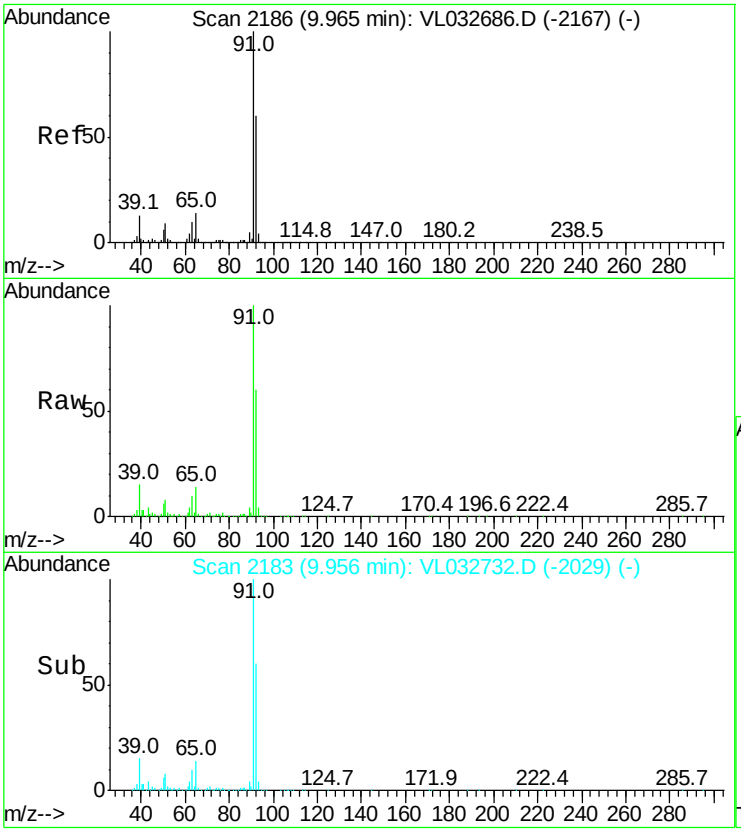


#44
2,2,4-Trimethylpentane
Concen: 0.203 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 57 Resp: 104623

Ion	Ratio	Lower	Upper
57	100		
41	45.4	24.7	37.1#
56	39.5	25.0	37.4#



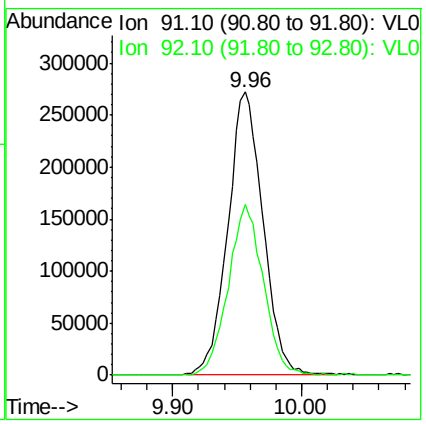


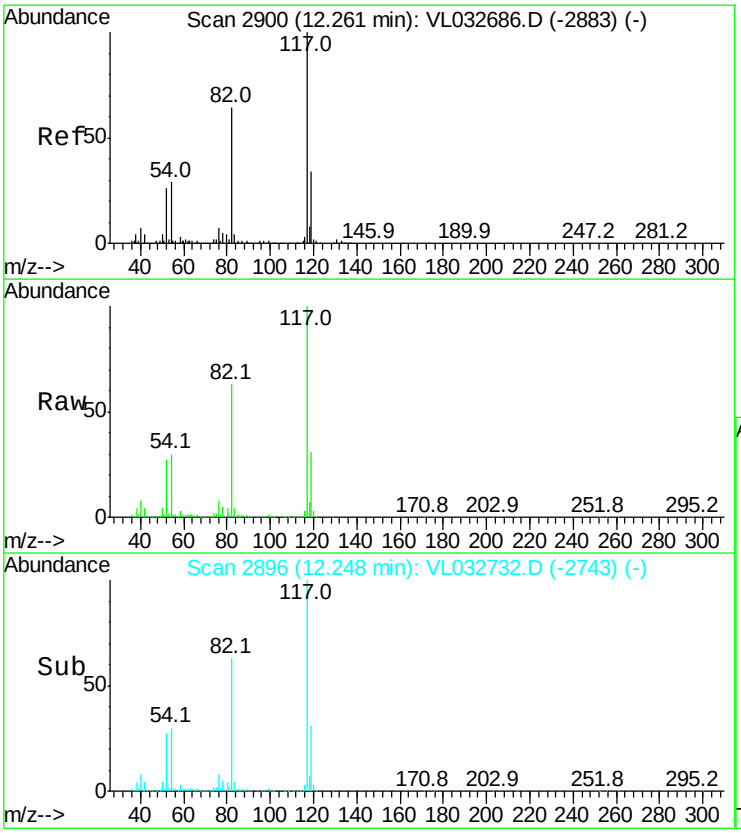
#53
Toluene
Concen: 1.469 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 91 Resp: 508629

Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.4	72.6

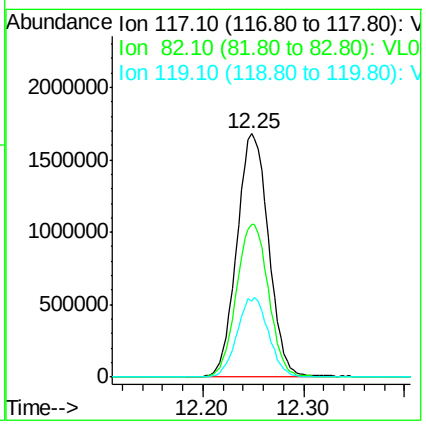


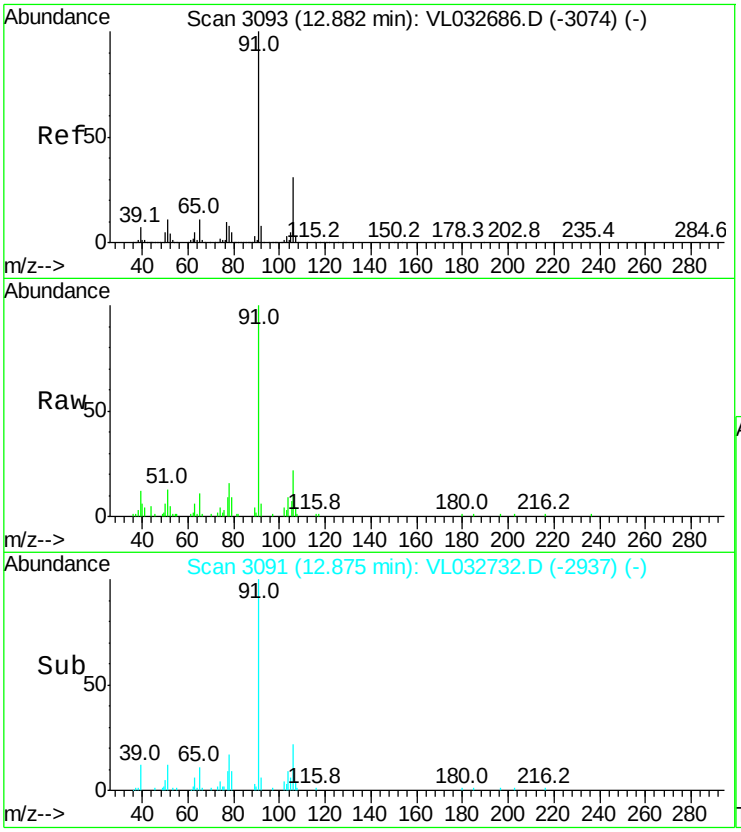


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion:117 Resp: 3659977

Ion	Ratio	Lower	Upper
117	100		
82	64.0	52.7	79.1
119	32.6	26.7	40.1



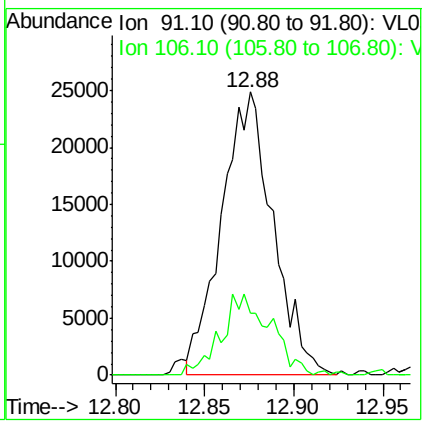


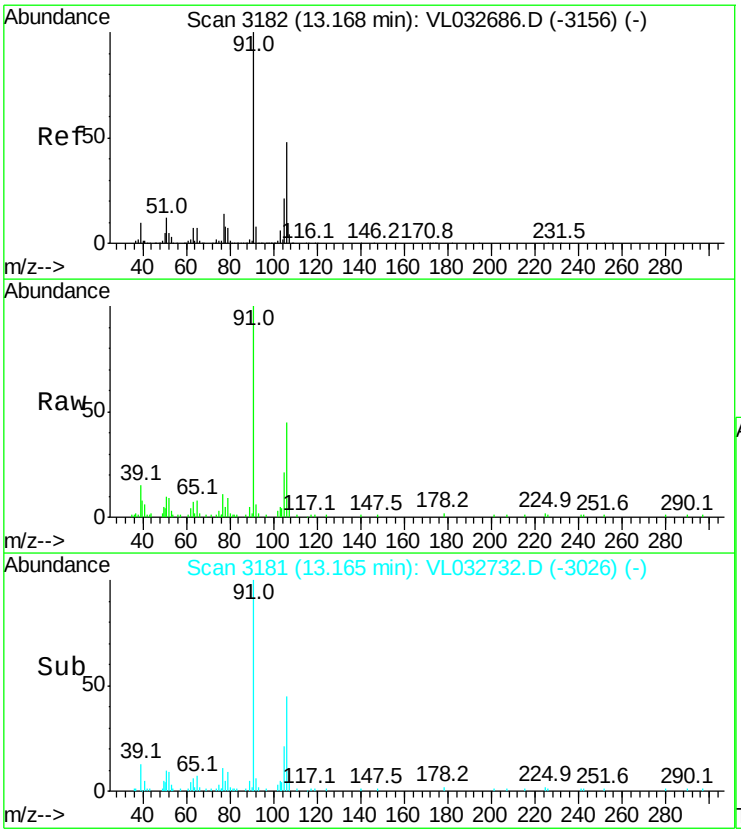
#58
Ethyl Benzene
Concen: 0.117 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument : MSVOA_L
ClientSampleId : DUP-1DL

Tgt Ion: 91 Resp: 49901

Ion	Ratio	Lower	Upper
91	100		
106	24.6	24.2	36.2

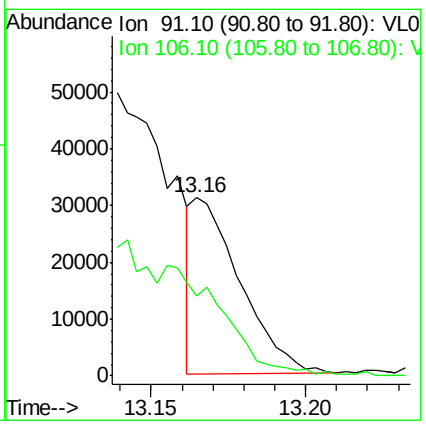


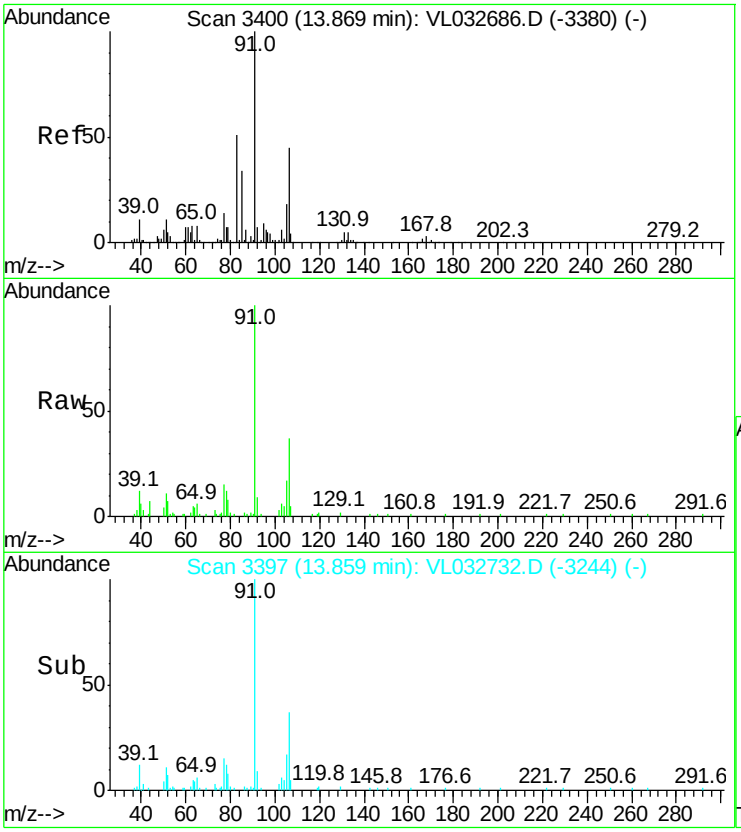


#59
m/p-Xylene
Concen: 0.087 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 91 Resp: 32788

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#



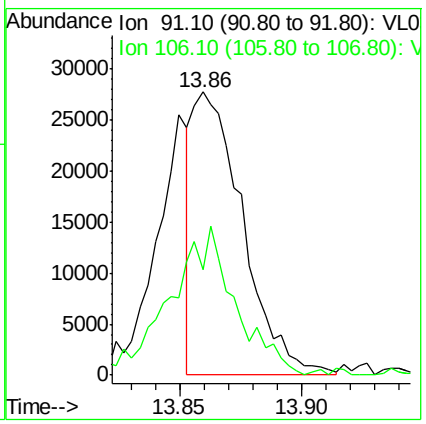


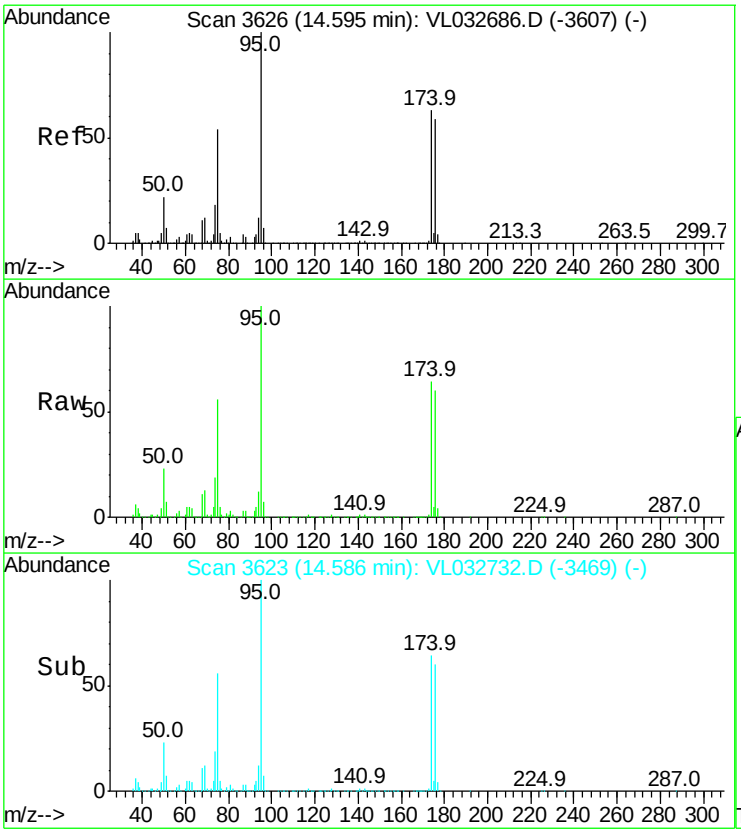
#60
o-Xylene
Concen: 0.108 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion: 91 Resp: 39333

Ion	Ratio	Lower	Upper
91	100		
106	70.6	22.1	66.1#

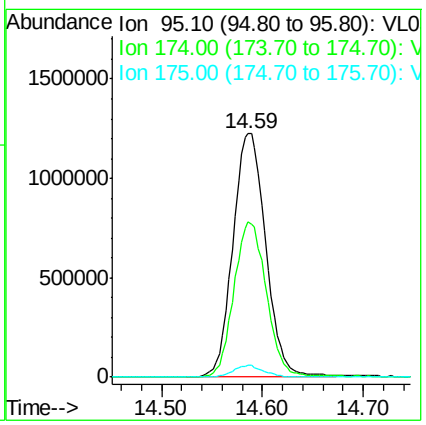


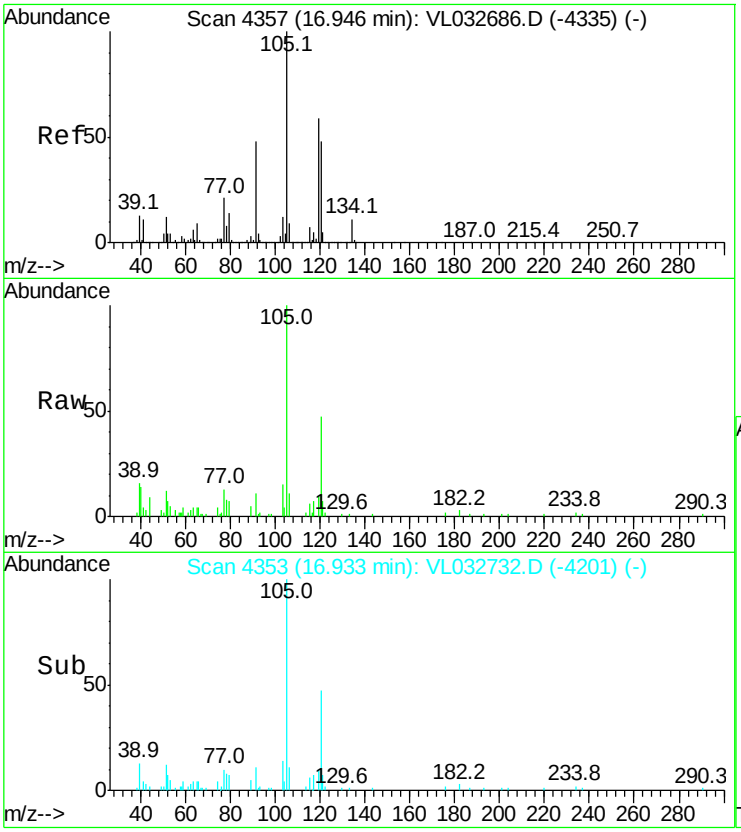


#68
1-Bromo-4-Fluorobenzene
Concen: 10.168 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion: 95 Resp: 2770819

Ion	Ratio	Lower	Upper
95	100		
174	63.8	46.0	69.0
175	4.6	3.4	5.0



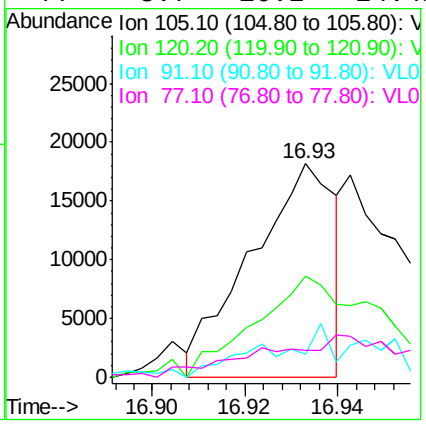


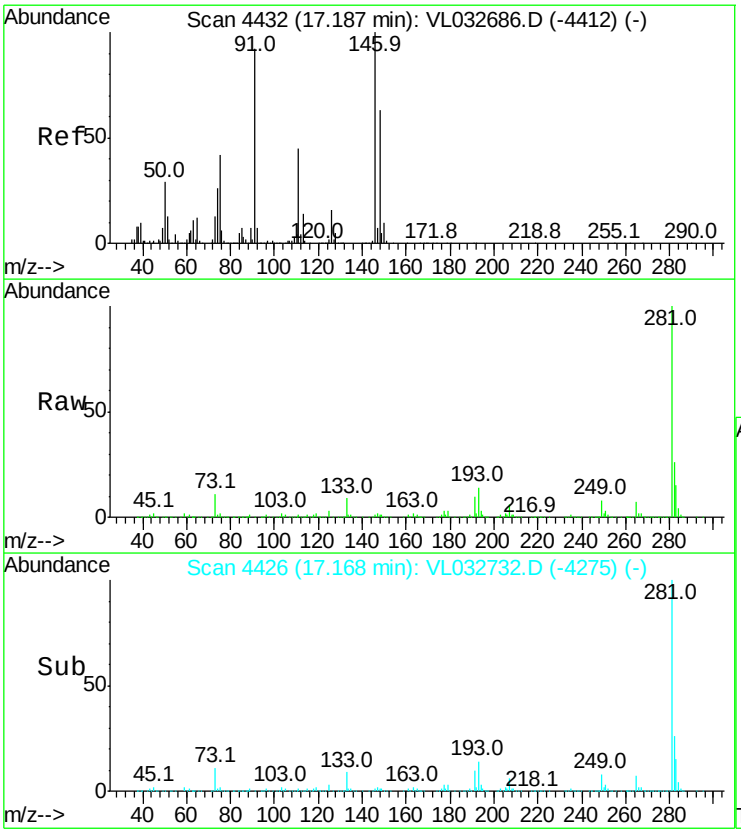
#74
1,2,4-Trimethylbenzene
Concen: 0.056 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.01 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
DUP-1DL

Tgt Ion:105 Resp: 22822

Ion	Ratio	Lower	Upper
105	100		
120	53.4	35.8	53.8
91	11.2	33.2	49.8#
77	8.7	16.2	24.4#





#75
1,3-Dichlorobenzene
Concen: 0.031 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.02 min
Lab File: VL032732.D
Acq: 8 Nov 2018 00:57

Tgt Ion:146 Resp: 7295

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.4	73.2#
148	0.0	31.9	95.9#