Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071119\

Quantitation Report (Not Reviewed)

Data File : VL034018.D
Acq On : 11 Jul 2019 14:43
Operator : SY/AP
Sample : VL0711ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0711ABL01

Quant Time: Jul 12 07:00:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1031453	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	2660206	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2689883	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2157880	9.41	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.10%			
Target Compounds						Qvalue
13) Ethanol	3.65	45	1480	0.102	ppbv	# 35
16) 1,3-Butadiene	3.32	39	2506	0.041	ppbv	# 5
20) Methylene Chloride	4.38	84	3546	0.047	ppbv	# 87
39) 1,2-Dichloropropane	7.25	63	663717	8.575	ppbv	# 25
65) tert-Butylbenzene	17.07	119	52541	0.137	ppbv	# 19

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071119\

Quantitation Report (Not Reviewed)

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Acq On : 11 Jul 2019 14:43
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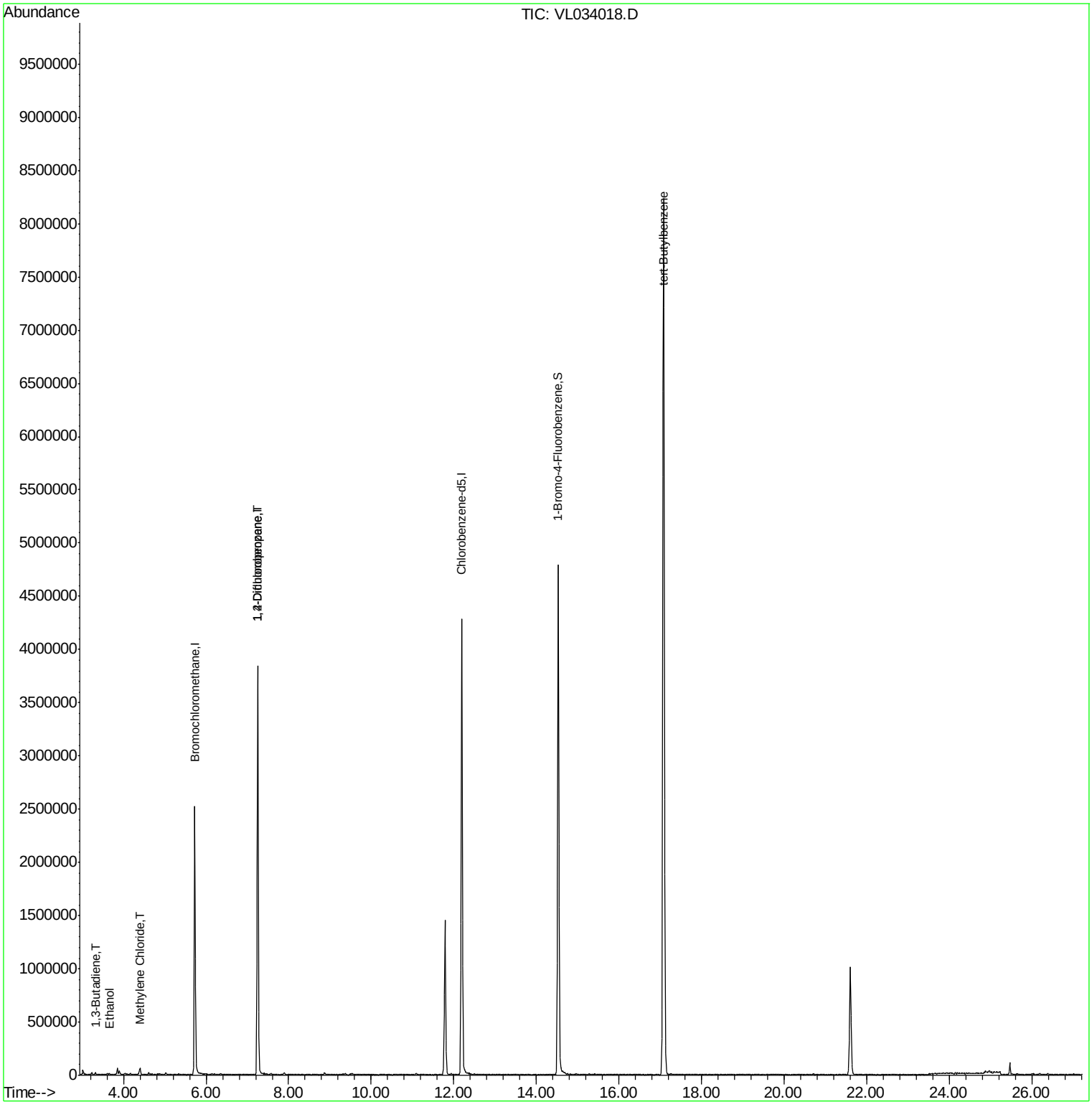
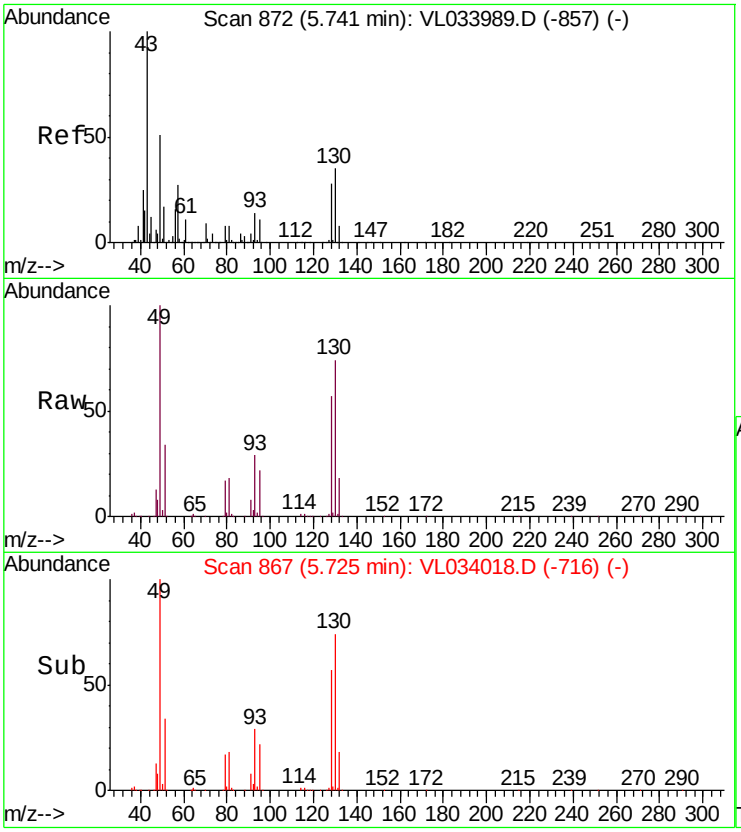


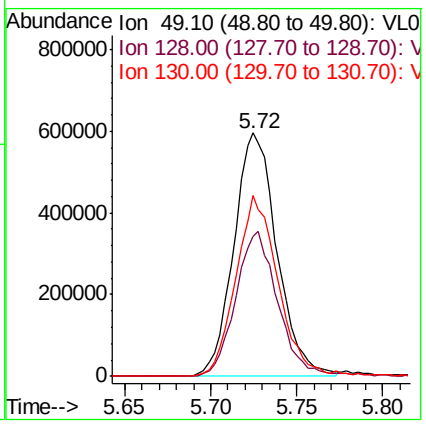


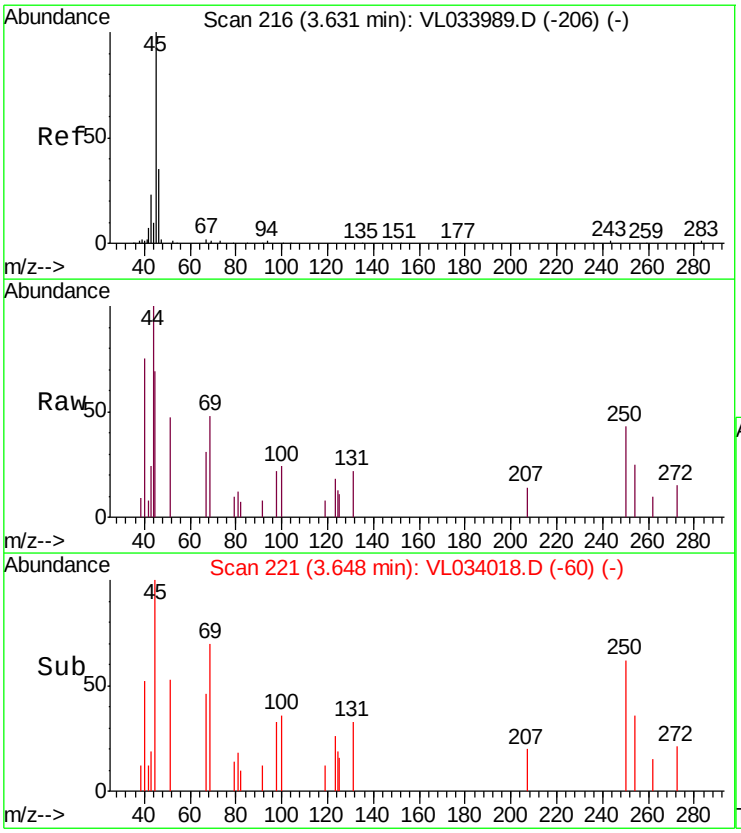
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.72 min Scan# 867
Delta R.T. -0.02 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Instrument :
MSVOA_L
ClientSampleId :
VL0711ABL01

Tgt Ion: 49 Resp: 1031453

Ion	Ratio	Lower	Upper
49	100		
128	59.0	27.9	83.6
130	73.7	35.8	107.4

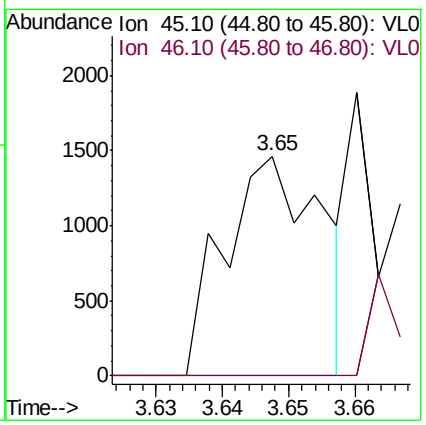


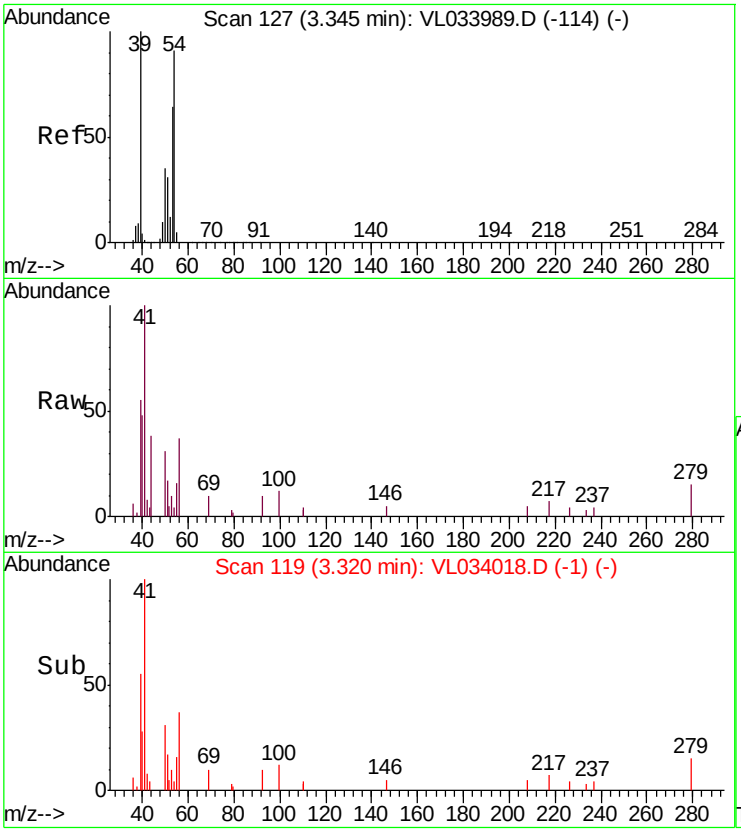


#13
Ethanol
Concen: 0.102 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.02 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Tgt Ion: 45 Resp: 1480

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.2	64.6#



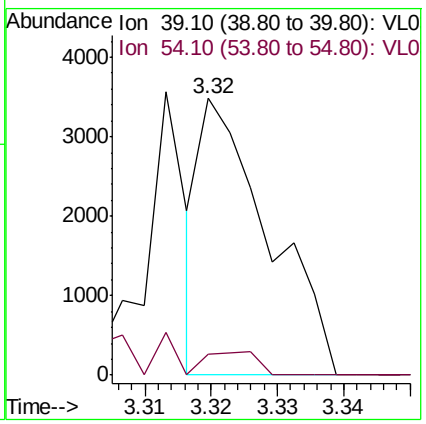


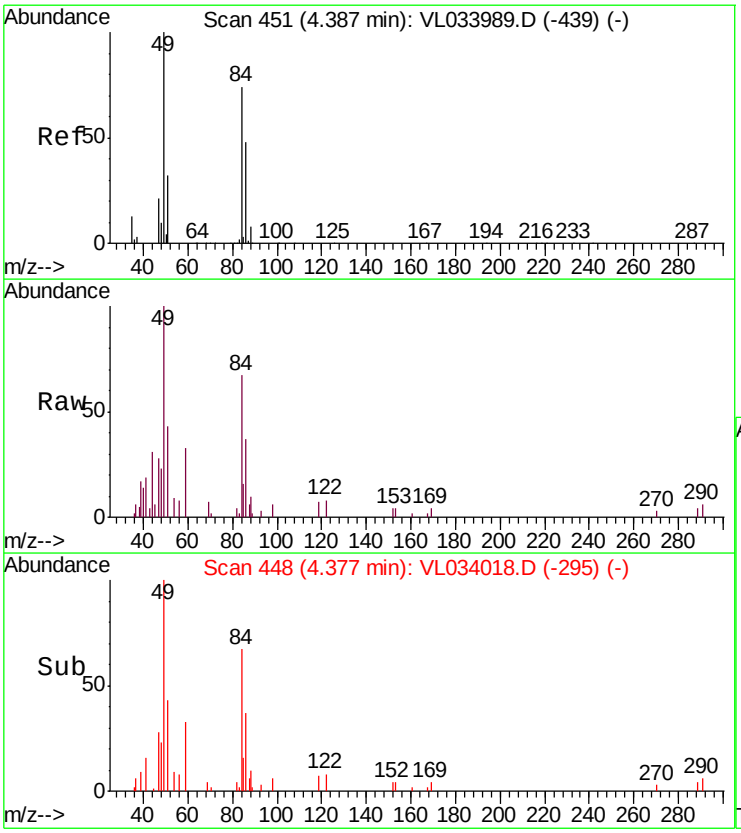
#16
1,3-Butadiene
Concen: 0.041 ppbv
RT: 3.32 min Scan# 119
Delta R.T. -0.03 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Instrument : MSVOA_L
ClientSampleId : VL0711ABL01

Tgt Ion: 39 Resp: 2506

Ion	Ratio	Lower	Upper
39	100		
54	0.0	71.4	107.2#

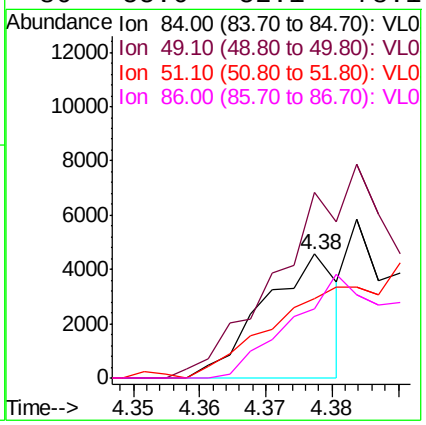


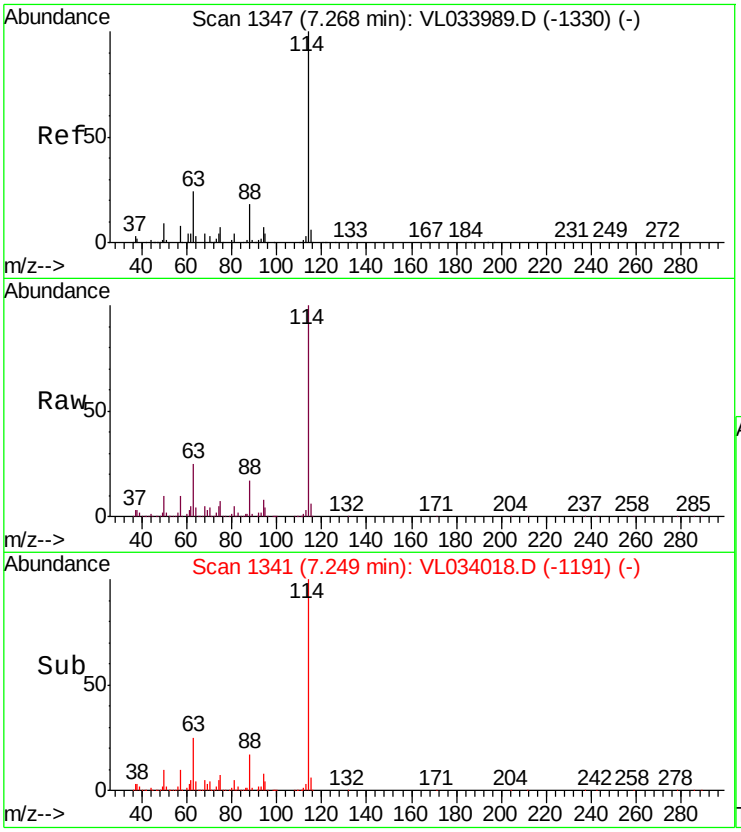


#20
Methylene Chloride
Concen: 0.047 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Tgt Ion: 84 Resp: 3546

Ion	Ratio	Lower	Upper
84	100		
49	142.7	107.6	161.4
51	63.8	35.0	52.6#
86	55.6	52.1	78.1



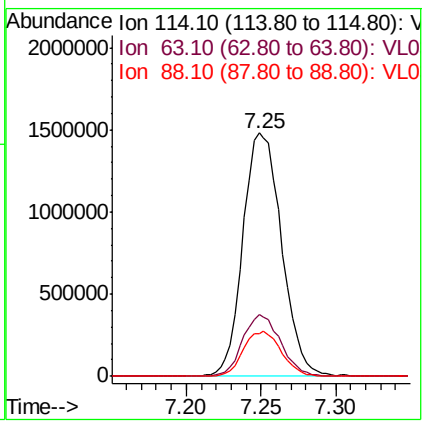


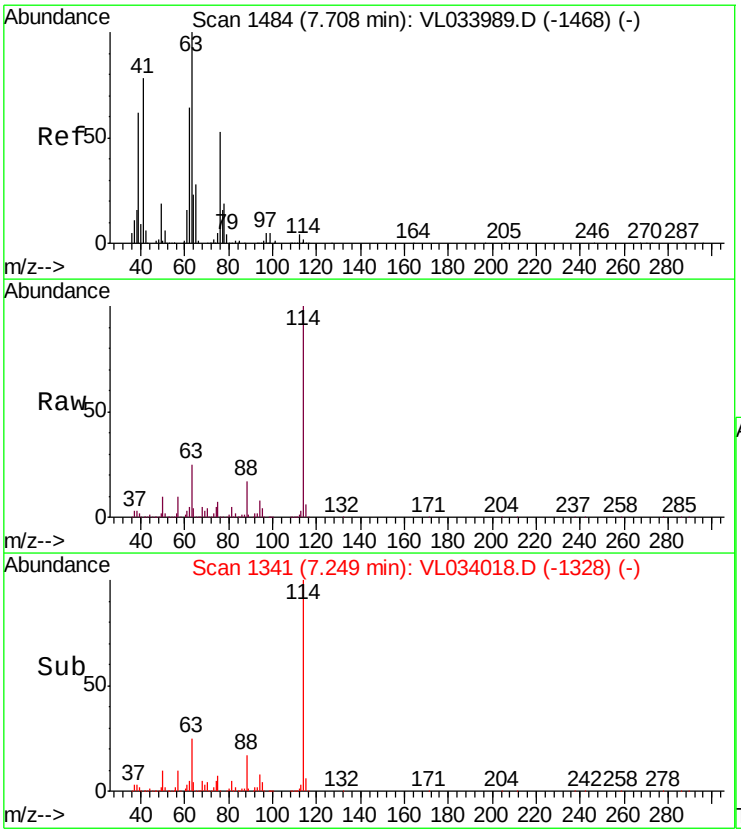
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.02 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Instrument :
MSVOA_L
ClientSampleId :
VL0711ABL01

Tgt Ion:114 Resp: 2660206

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.2	30.2
88	18.3	14.1	21.1

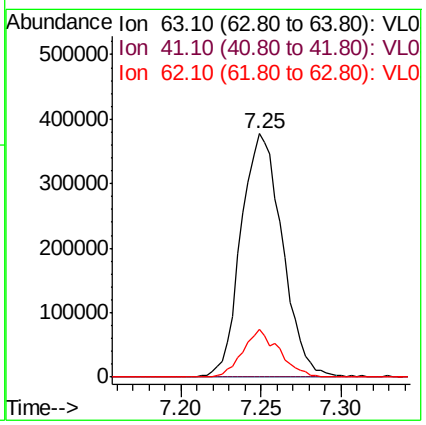


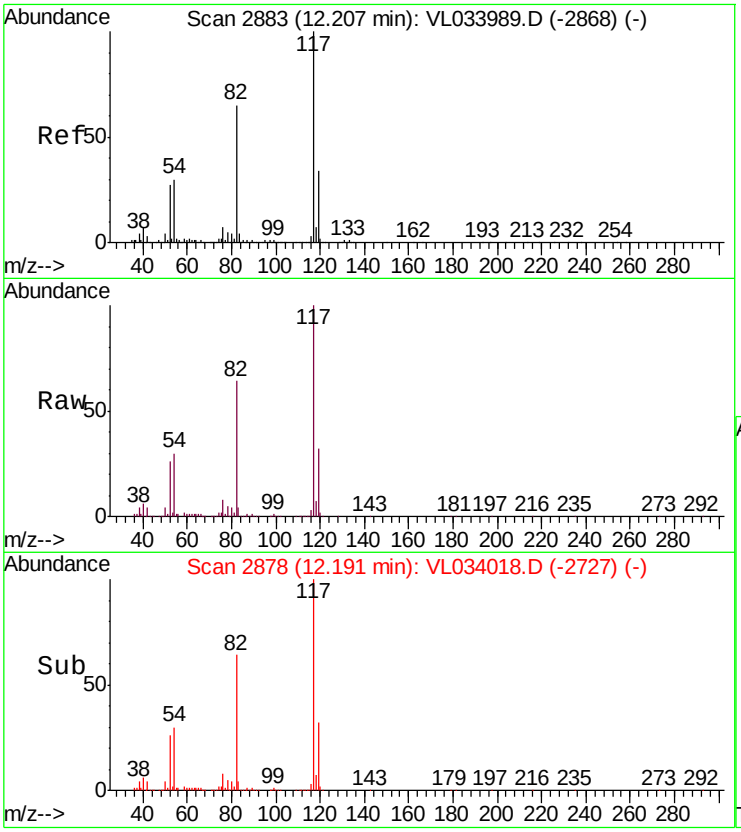


#39
1,2-Dichloropropane
Concen: 8.575 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.46 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Tgt Ion: 63 Resp: 663717

Ion	Ratio	Lower	Upper
63	100		
41	0.1	62.3	93.5#
62	19.4	51.4	77.2#



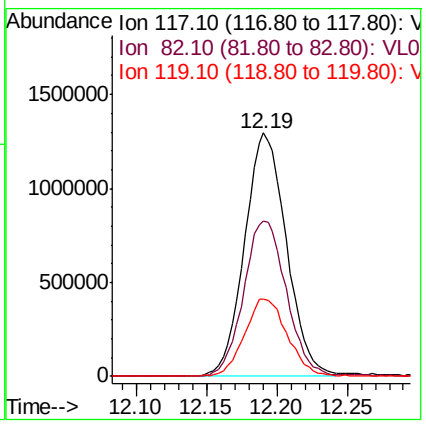


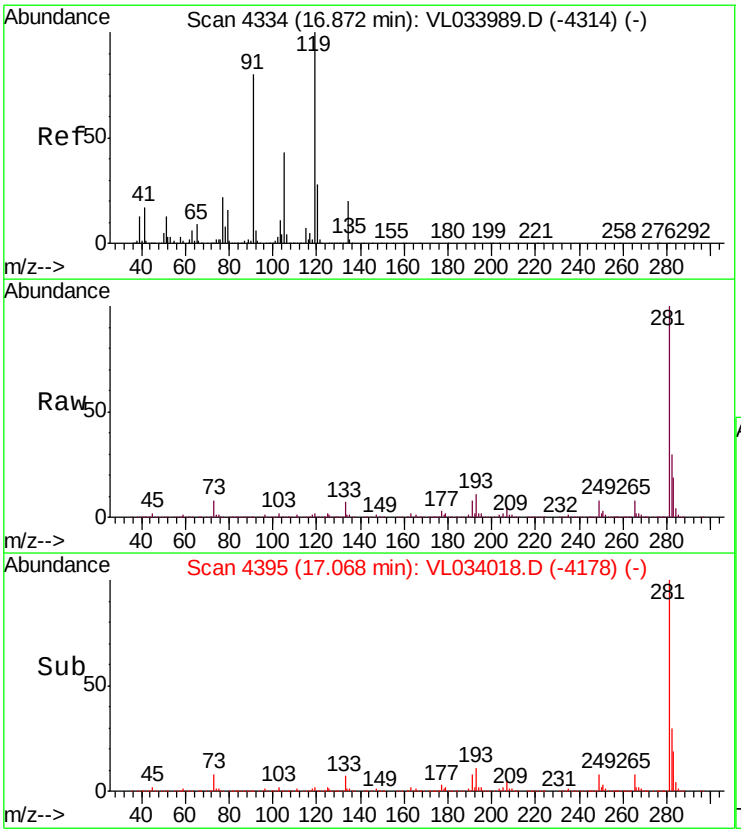
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2878
Delta R.T. -0.02 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Instrument :
MSVOA_L
ClientSampleId :
VL0711ABL01

Tgt Ion:117 Resp: 2689883

Ion	Ratio	Lower	Upper
117	100		
82	66.1	50.8	76.2
119	32.7	24.0	36.0

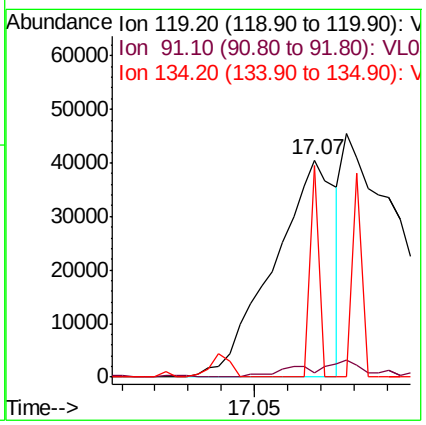


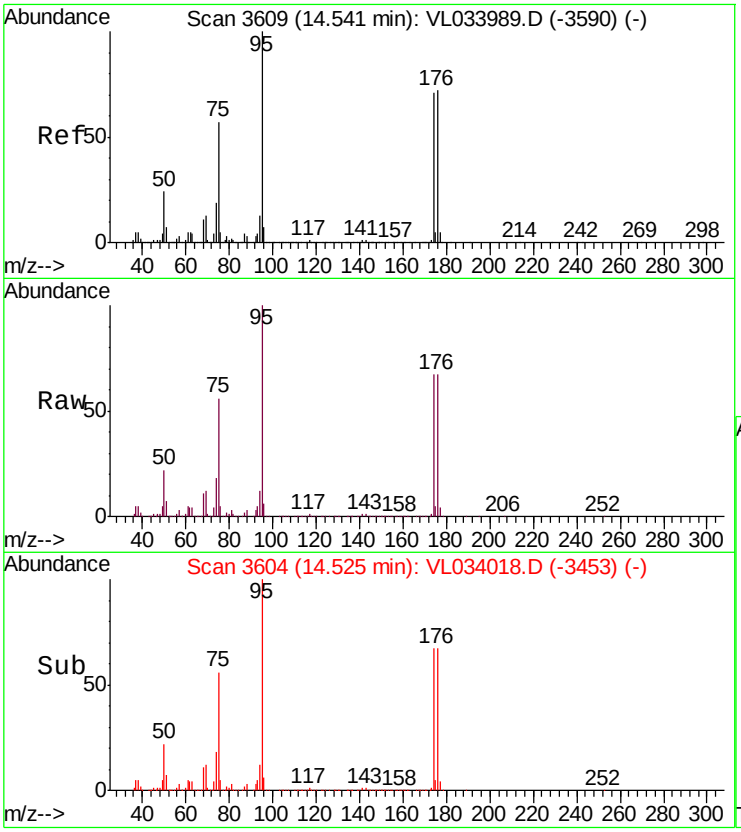


#65
tert-Butylbenzene
Concen: 0.137 ppbv
RT: 17.07 min Scan# 4395
Delta R.T. 0.20 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Tgt Ion:119 Resp: 52541

Ion	Ratio	Lower	Upper
119	100		
91	0.4	67.0	100.6#
134	3.9	15.8	23.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.406 ppbv
RT: 14.52 min Scan# 3604
Delta R.T. -0.02 min
Lab File: VL034018.D
Acq: 11 Jul 2019 14:43

Instrument :
MSVOA_L
ClientSampleId :
VL0711ABL01

Tgt Ion: 95 Resp: 2157880

Ion	Ratio	Lower	Upper
95	100		
174	72.3	60.5	90.7
175	5.2	4.0	6.0