Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\

Quantitation Report (Not Reviewed)

Data File : VL032632.D
Acq On : 17 Oct 2018 5:56
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Oct 17 06:45:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 05:31:40 2018
QLast Update : Wed Oct 17 05:31:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1137215	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	2514995	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	2394391	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	1889309	10.43	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.24	85	5784	0.040	ppbv		99
3) Chlorodifluoromethane	3.03	51	4399	0.046	ppbv		98
4) Chloromethane	3.19	50	2161	0.041	ppbv	#	62
6) Bromomethane	3.53	94	1164	0.035	ppbv	#	72
8) Dichlorotetrafluoroethane	3.24	85	5784	0.045	ppbv		99
11) Trichlorofluoromethane	4.02	101	5254	0.038	ppbv		84
12) 1,1,2-Trichlorotrifluoroet	4.57	101	5132	0.049	ppbv		97
14) Bromoethene	3.81	108	1219	0.031	ppbv	#	72
15) Acetone	3.95	43	12031	0.121	ppbv		96
20) Methylene Chloride	4.42	84	1850	0.040	ppbv	#	91
24) 1,1-Dichloroethane	5.11	63	4380	0.032	ppbv	#	92
39) 1,2-Dichloropropane	7.31	63	669284	8.223	ppbv	#	25

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

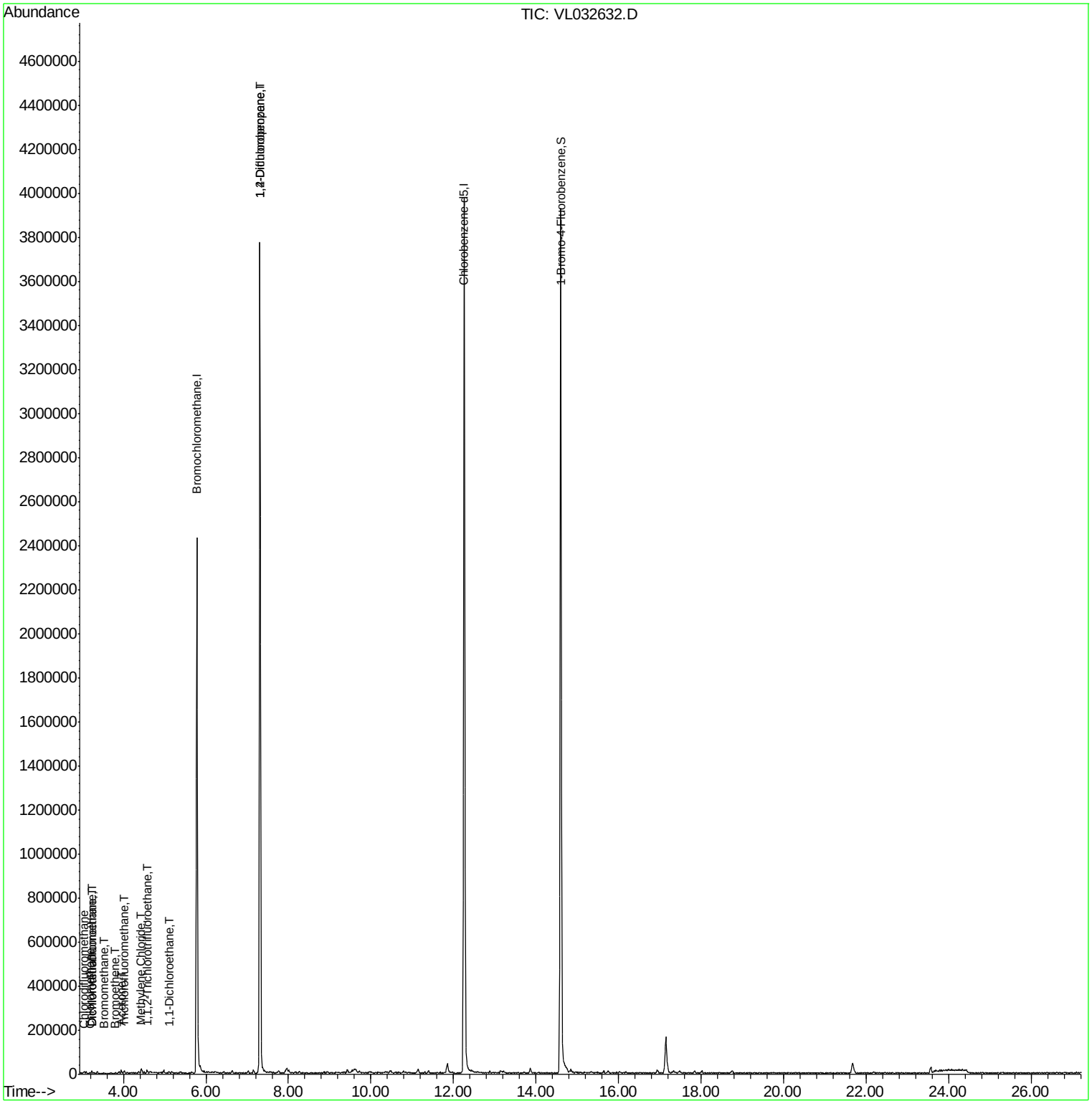
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\

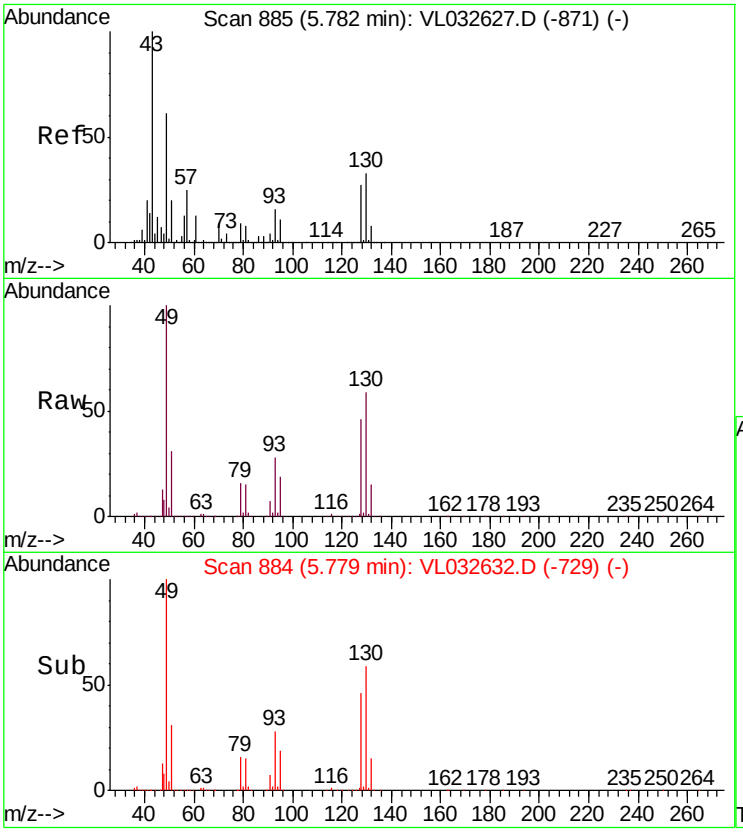
Quantitation Report (Not Reviewed)

Data File : VL032632.D
Acq On : 17 Oct 2018 5:56
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Oct 17 06:45:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 05:31:40 2018
QLast Update : Wed Oct 17 05:31:40 2018
Response via : Initial Calibration



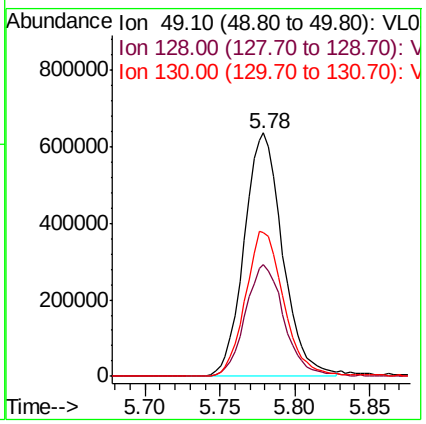


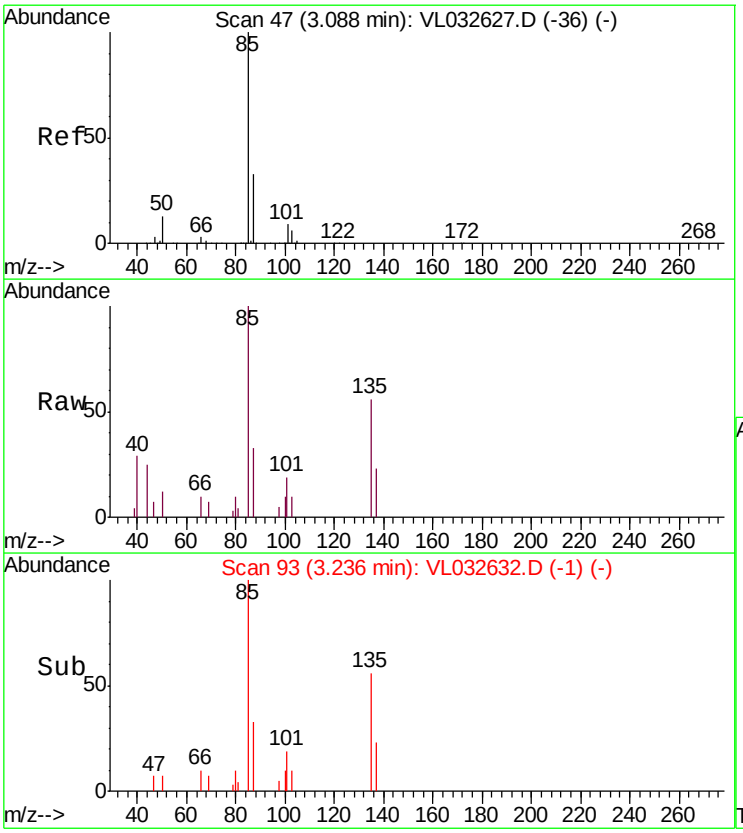
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 1137215

Ion	Ratio	Lower	Upper
49	100		
128	46.9	22.3	66.8
130	60.4	28.4	85.3

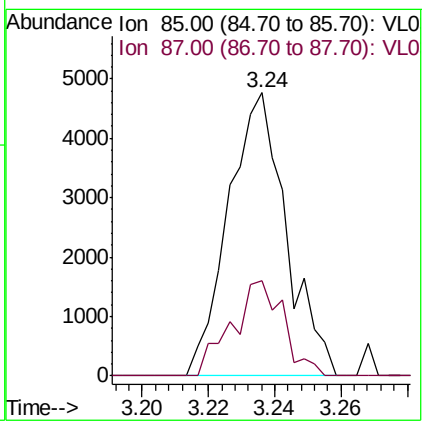


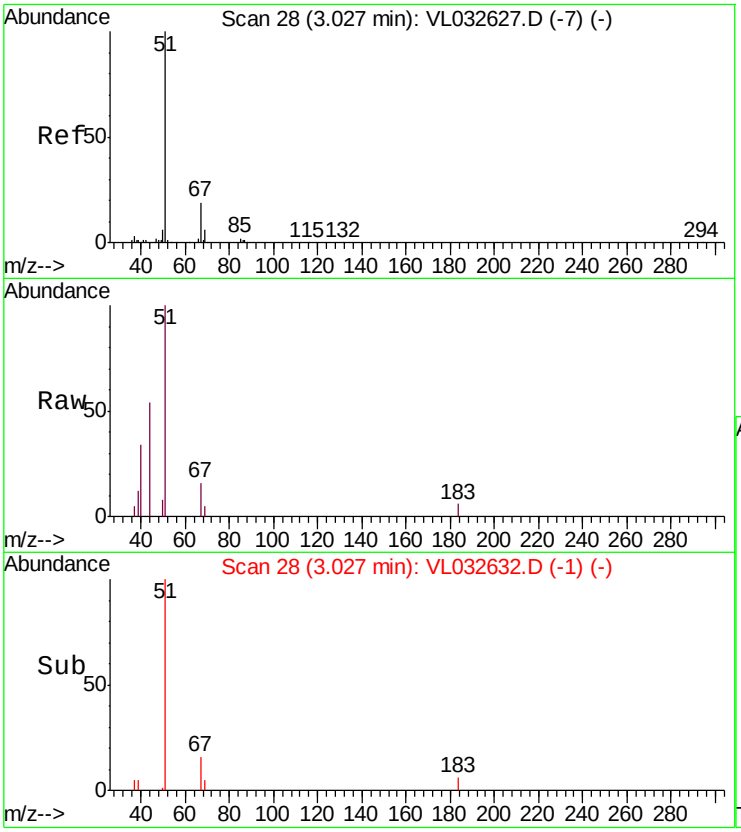


#2
Dichlorodifluoromethane
Concen: 0.040 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.15 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion: 85 Resp: 5784

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.2	39.2



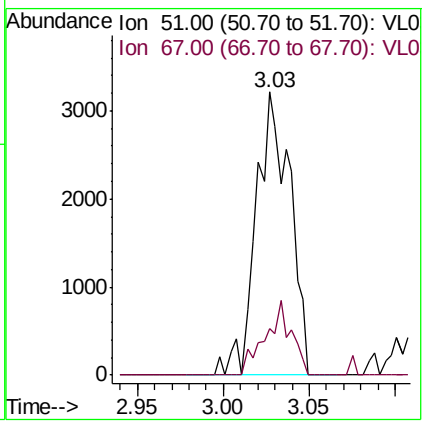


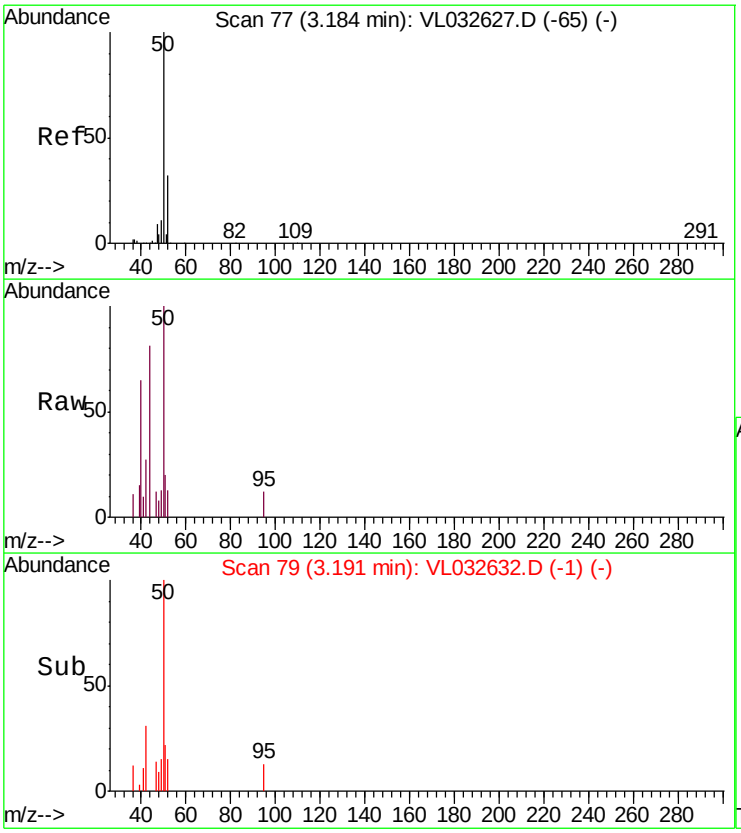
#3
Chlorodifluoromethane
Concen: 0.046 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 51 Resp: 4399

Ion	Ratio	Lower	Upper
51	100		
67	19.9	15.2	22.8

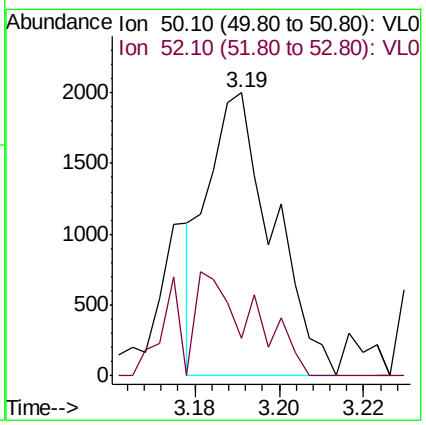


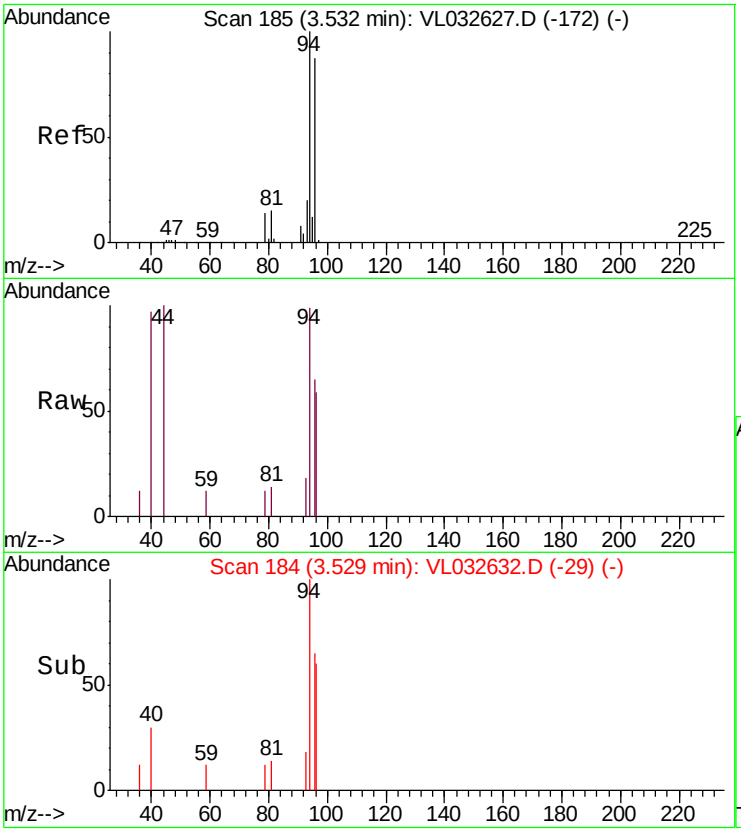


#4
Chloromethane
Concen: 0.041 ppbv
RT: 3.19 min Scan# 79
Delta R.T. 0.01 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion: 50 Resp: 2161

Ion	Ratio	Lower	Upper
50	100		
52	11.0	25.9	38.9#



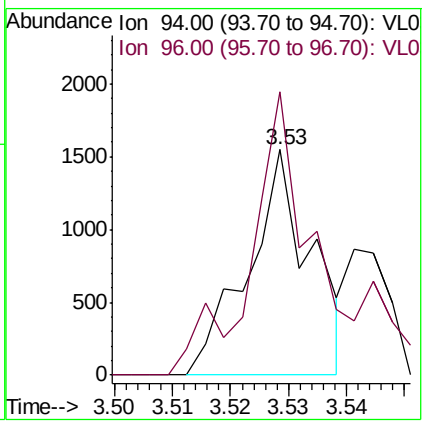


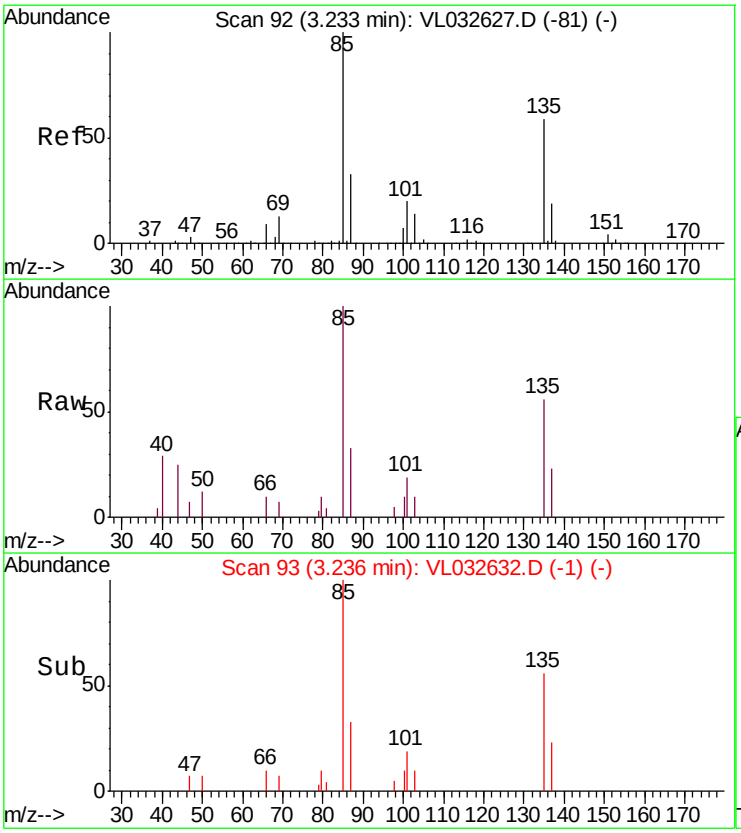
#6
Bromomethane
Concen: 0.035 ppbv
RT: 3.53 min Scan# 184
Delta R.T. -0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 94 Resp: 1164

Ion	Ratio	Lower	Upper
94	100		
96	113.6	69.8	104.8#

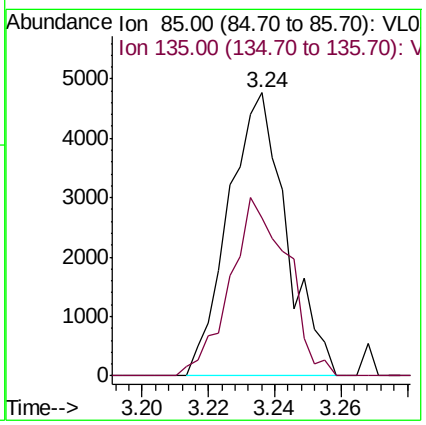


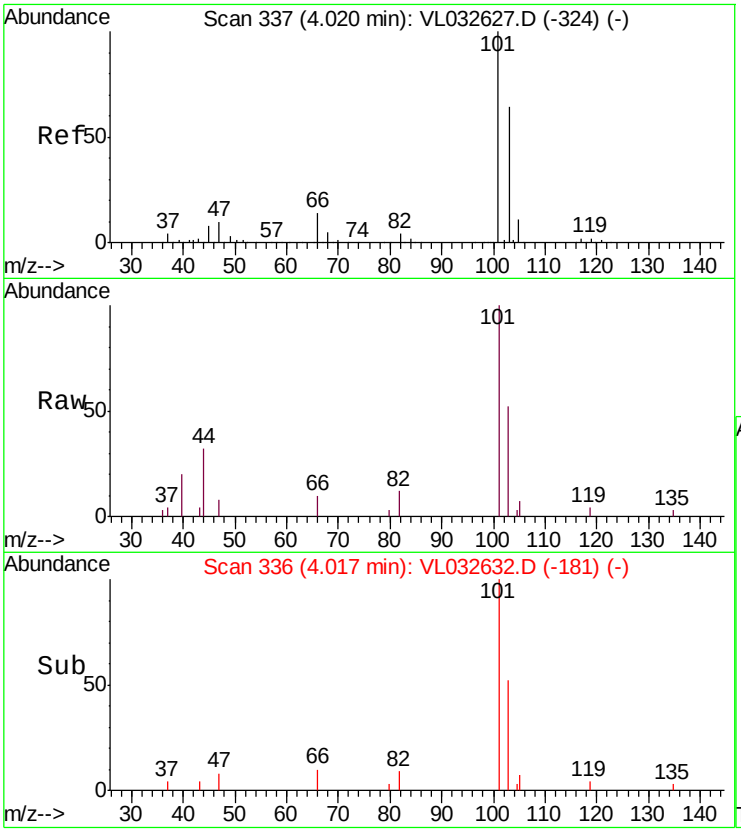


#8
Dichlorotetrafluoroethane
Concen: 0.045 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion: 85 Resp: 5784

Ion	Ratio	Lower	Upper
85	100		
135	62.2	49.0	73.4



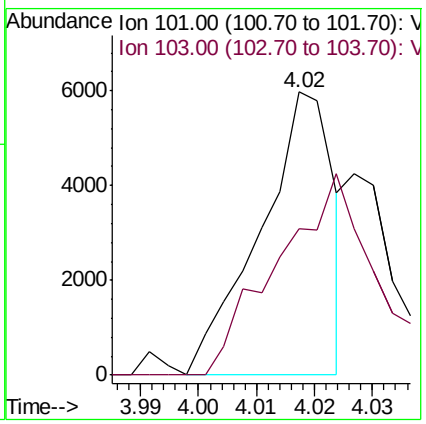


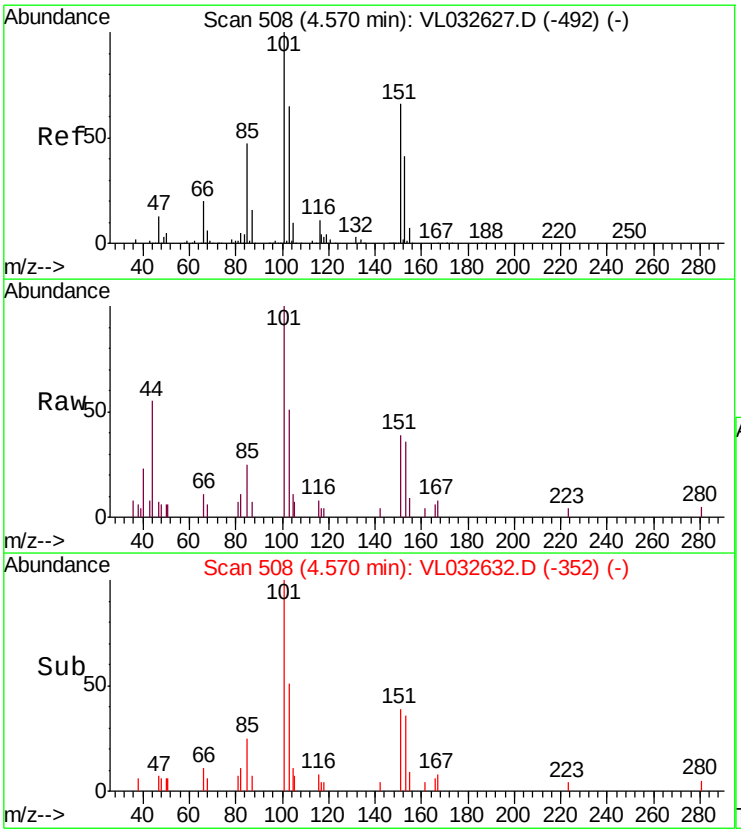
#11
Trichlorofluoromethane
Concen: 0.038 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 5254

Ion	Ratio	Lower	Upper
101	100		
103	51.6	51.4	77.2

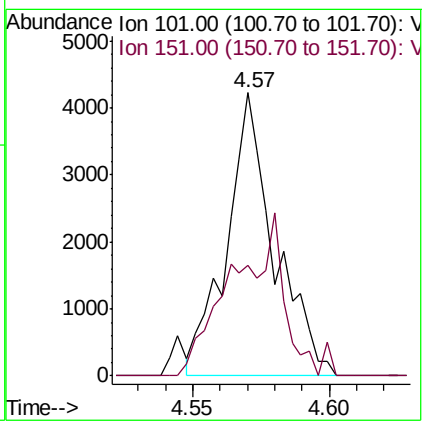


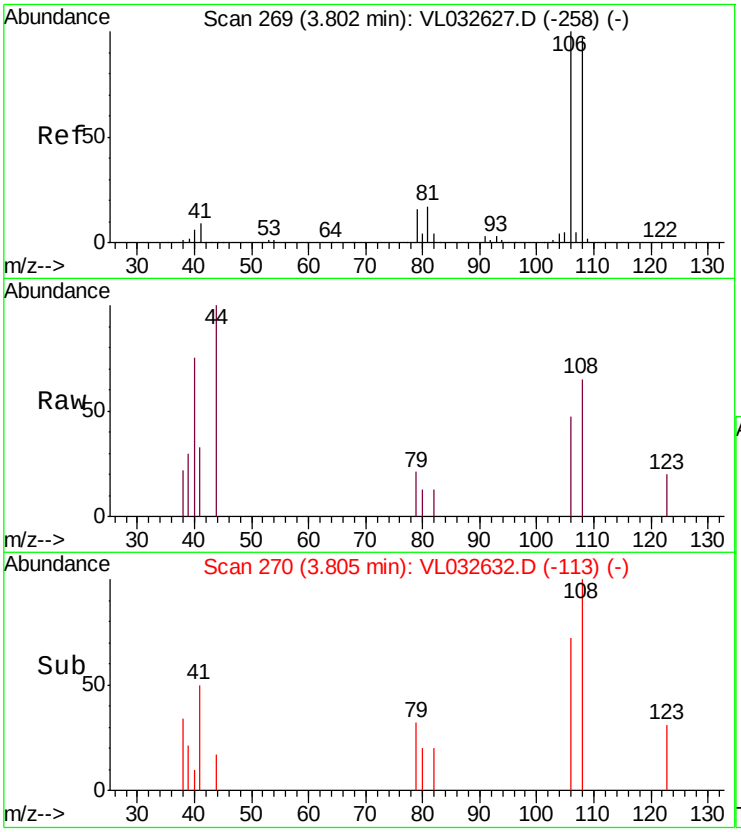


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.049 ppbv
RT: 4.57 min Scan# 508
Delta R.T. 0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion:101 Resp: 5132

Ion	Ratio	Lower	Upper
101	100		
151	63.0	52.3	78.5



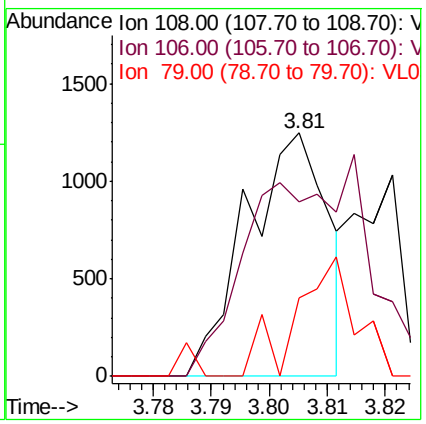


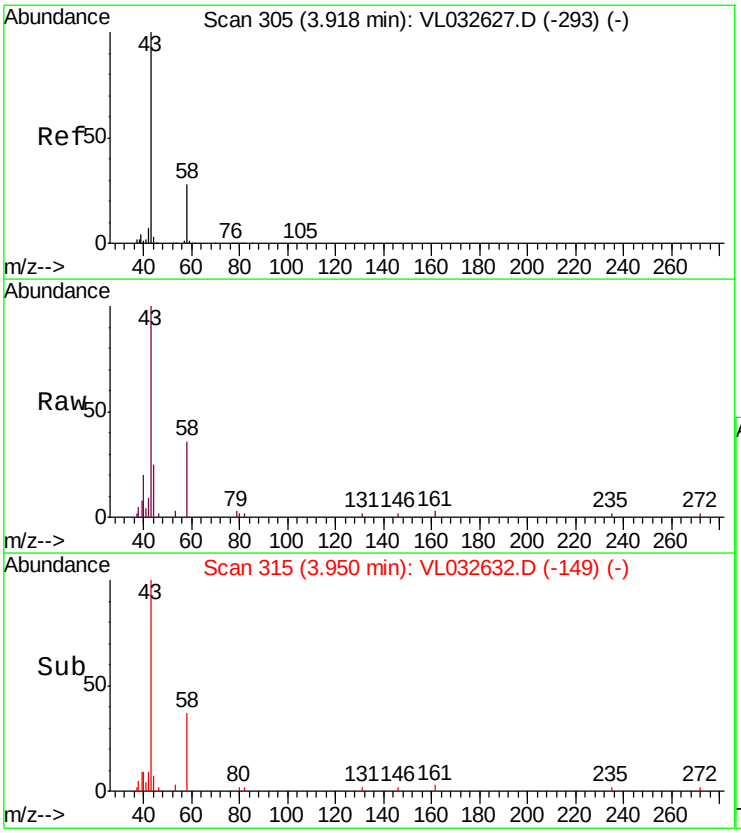
#14
Bromoethene
Concen: 0.031 ppbv
RT: 3.81 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:108 Resp: 1219

Ion	Ratio	Lower	Upper
108	100		
106	133.1	85.0	127.4#
79	36.0	13.7	20.5#

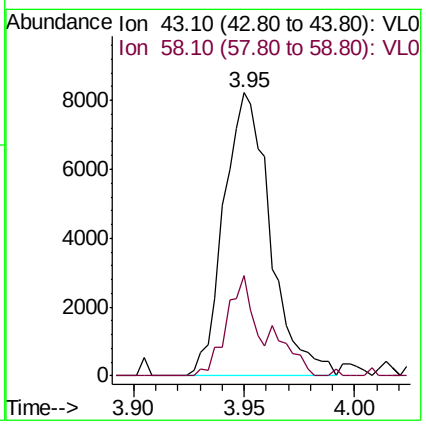


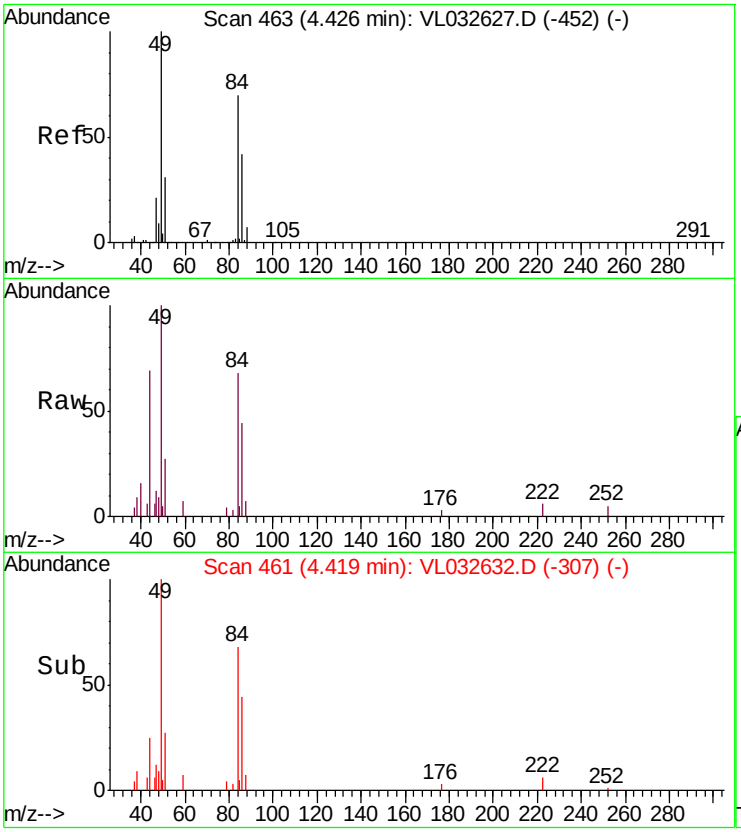


#15
Acetone
Concen: 0.121 ppbv
RT: 3.95 min Scan# 315
Delta R.T. 0.03 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion: 43 Resp: 12031

Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.1	33.1



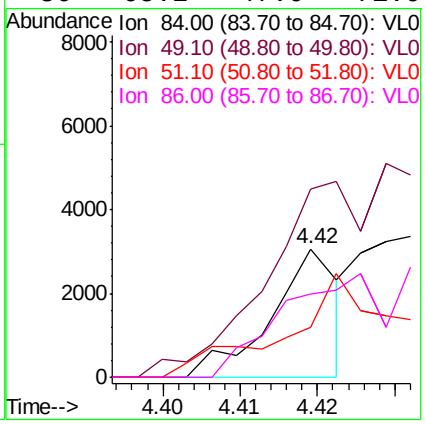


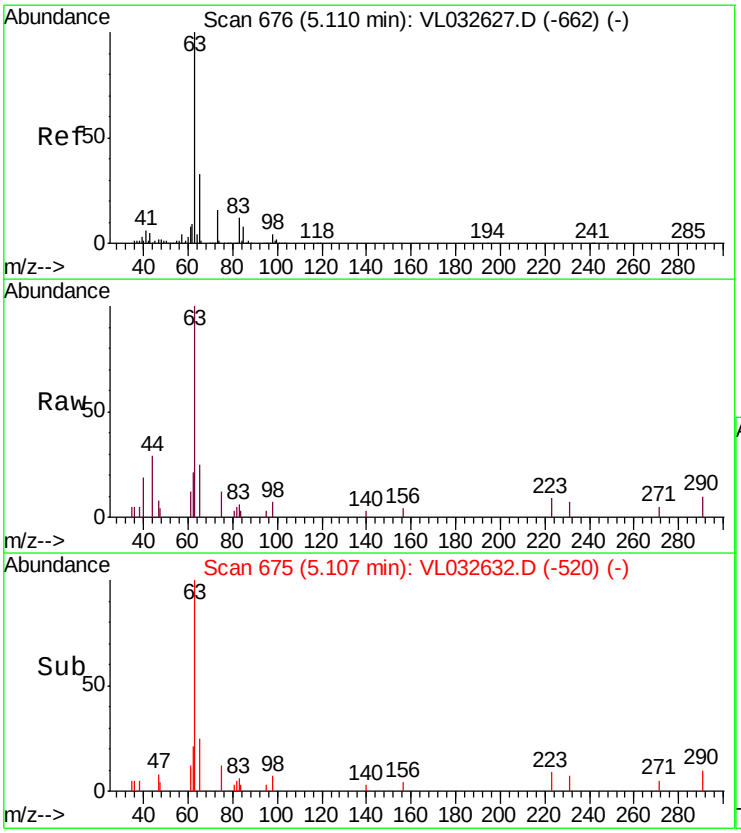
#20
Methylene Chloride
Concen: 0.040 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.01 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 84 Resp: 1850

Ion	Ratio	Lower	Upper
84	100		
49	134.7	113.5	170.3
51	28.4	34.8	52.2#
86	65.2	47.9	71.9

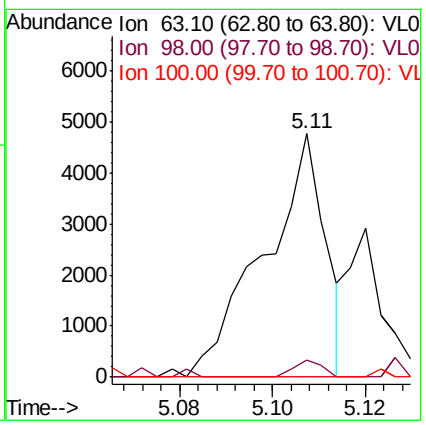


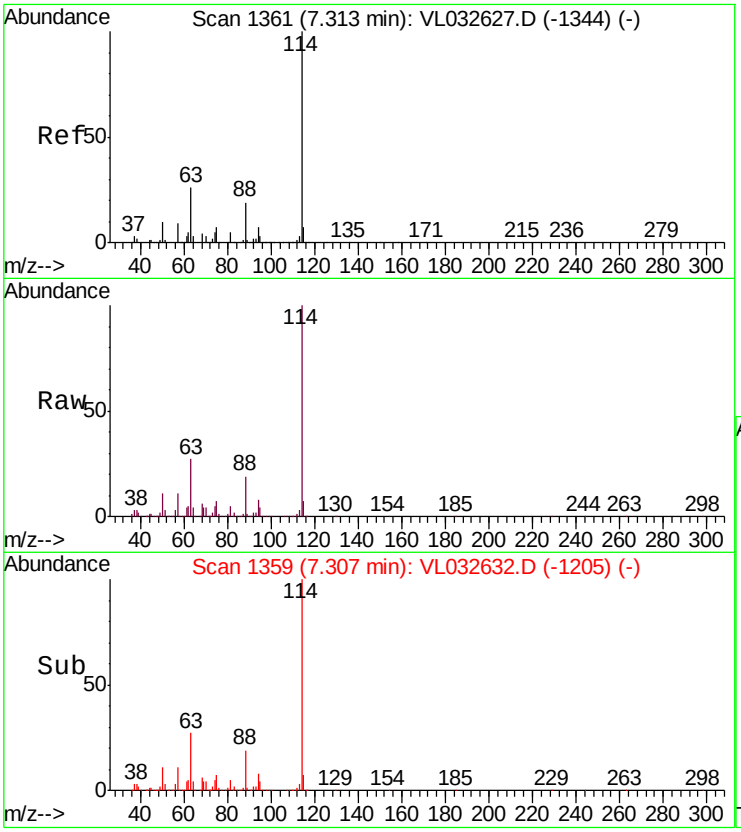


#24
1,1-Dichloroethane
Concen: 0.032 ppbv
RT: 5.11 min Scan# 675
Delta R.T. -0.00 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion: 63 Resp: 4380

Ion	Ratio	Lower	Upper
63	100		
98	6.9	2.1	6.3#
100	0.0	1.2	3.6#



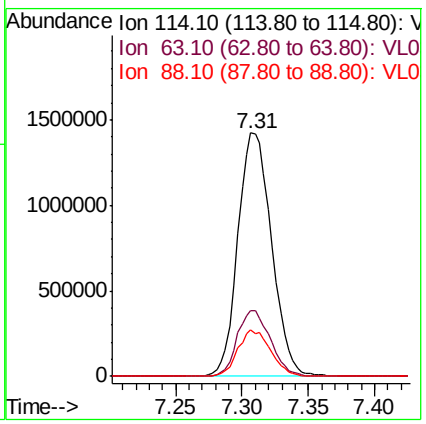


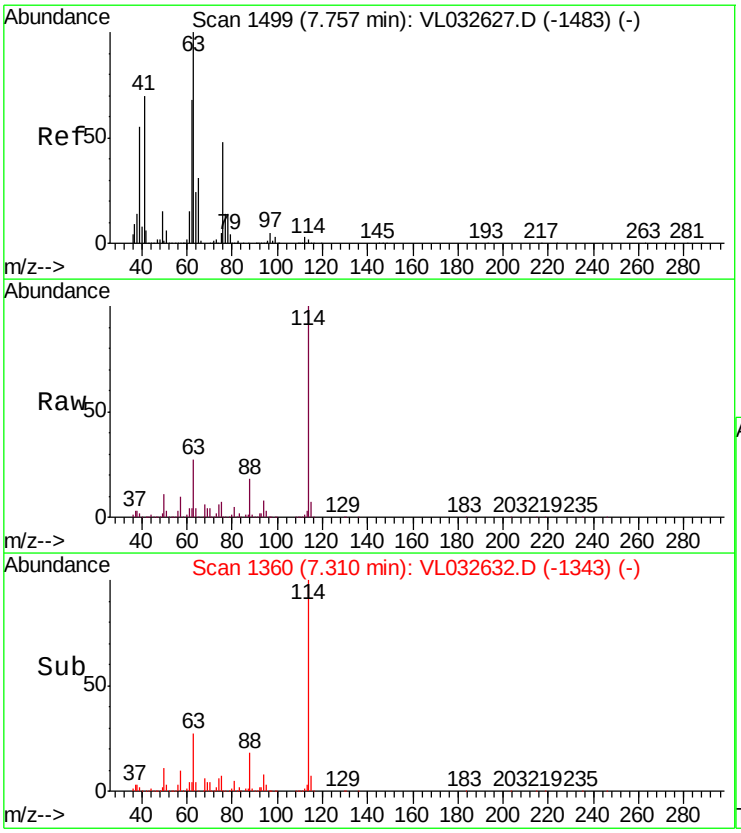
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 2514995

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.7	32.5
88	18.6	14.9	22.3

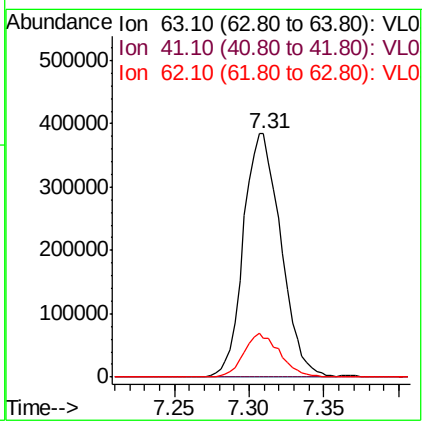


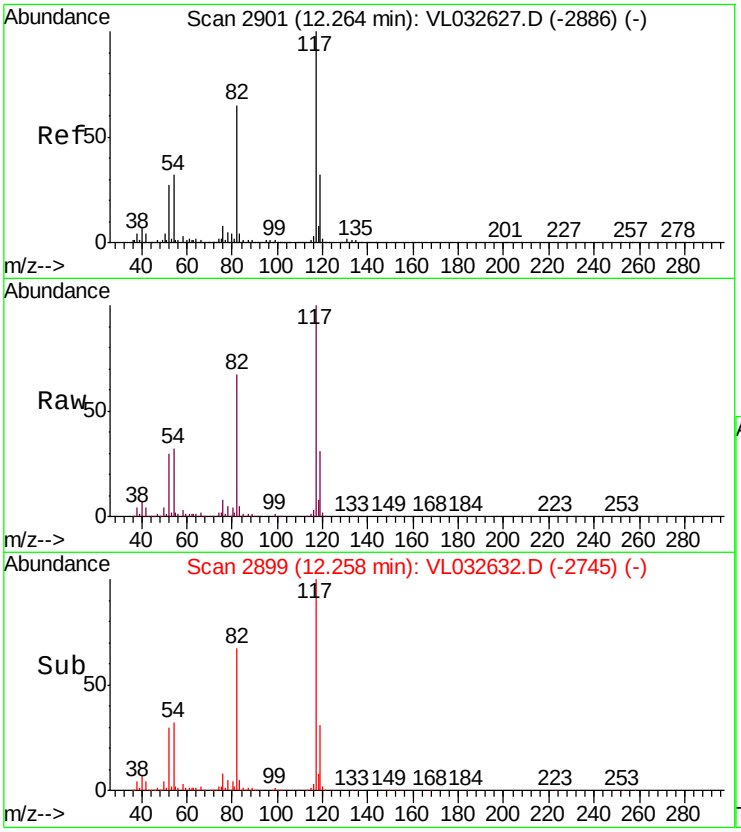


#39
1,2-Dichloropropane
Concen: 8.223 ppbv
RT: 7.31 min Scan# 1360
Delta R.T. -0.45 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion: 63 Resp: 669284

Ion	Ratio	Lower	Upper
63	100		
41	0.1	56.2	84.4#
62	16.0	54.4	81.6#



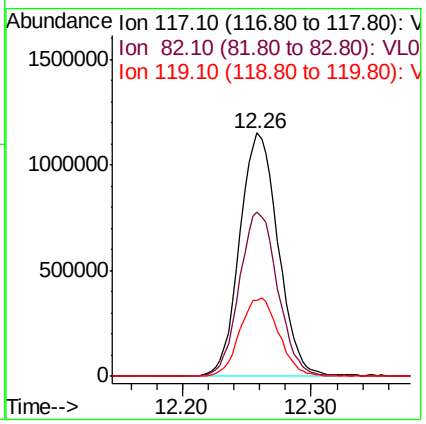


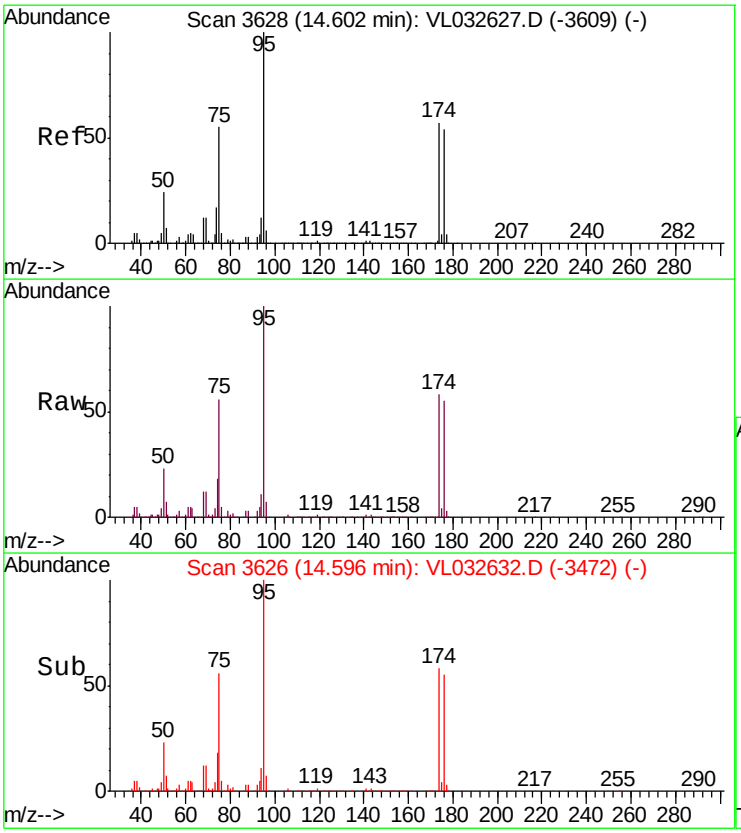
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 2394391

Ion	Ratio	Lower	Upper
117	100		
82	68.0	52.7	79.1
119	32.8	26.7	40.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.428 ppbv
RT: 14.60 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL032632.D
Acq: 17 Oct 2018 5:56

Tgt Ion: 95 Resp: 1889309

Ion	Ratio	Lower	Upper
95	100		
174	58.4	46.0	69.0
175	4.1	3.4	5.0