Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
Data File : VL033210.D
Acq On : 14 Feb 2019 22:54
Operator : SY/AP
Sample : K1483-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MIDDL

Quant Time: Feb 15 06:17:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	953961	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2115025	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2175014	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1741572	10.40	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.00%			
Target Compounds						Qvalue
7) Chloroethane	3.60	64	11730	0.567	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	33626m	0.329	ppbv	
13) Ethanol	3.66	45	8556m	0.462	ppbv	
15) Acetone	3.91	43	73992	0.688	ppbv #	86
18) 1,1-Dichloroethene	4.35	96	19105	0.417	ppbv	89
20) Methylene Chloride	4.41	84	15923	0.372	ppbv #	87
24) 1,1-Dichloroethane	5.09	63	805380	6.113	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	3772336	19.707	ppbv	99
52) Tetrachloroethene	11.37	164	11565m	0.140	ppbv	
59) m/p-Xylene	13.12	91	30388m	0.103	ppbv	

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

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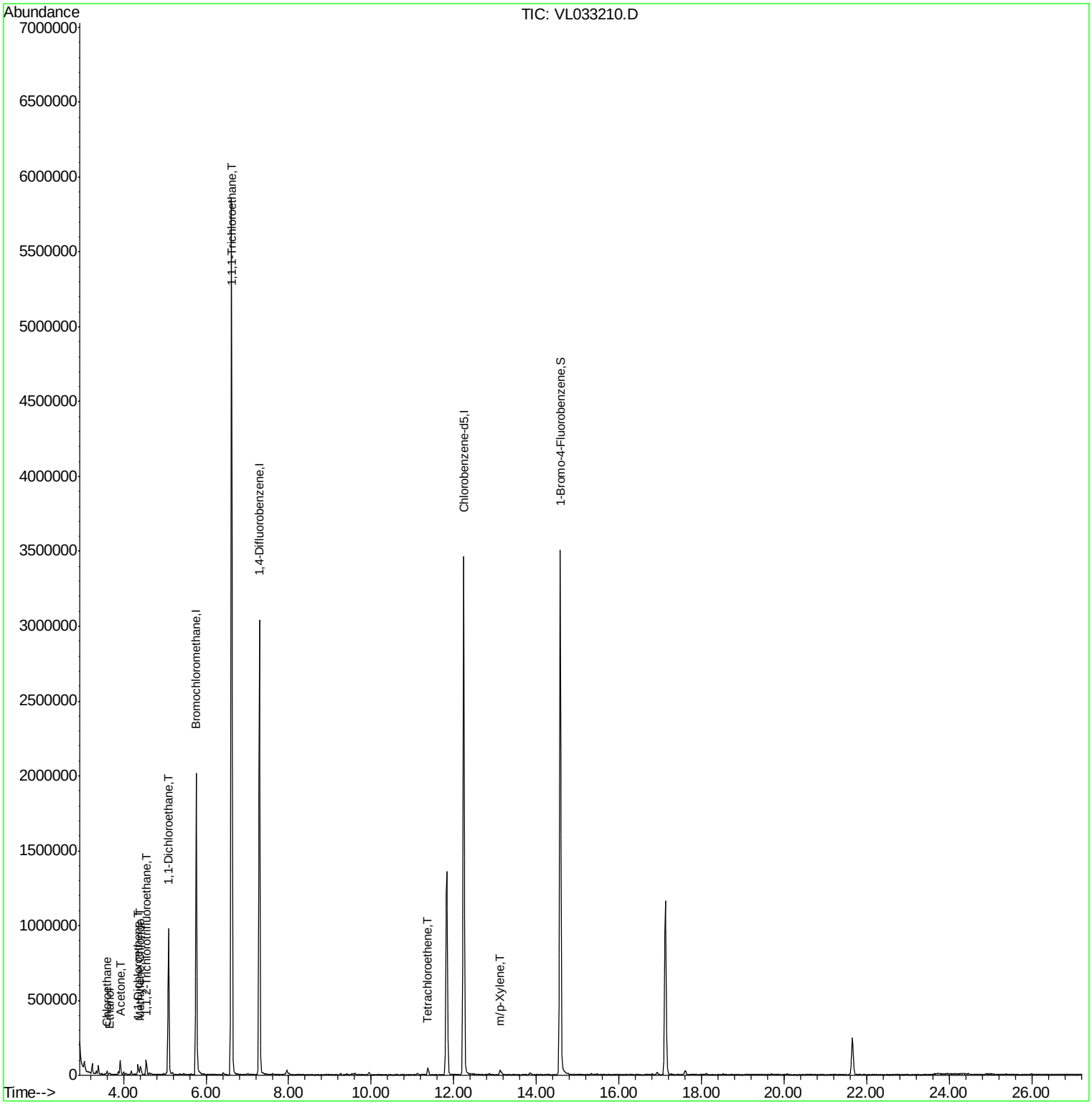
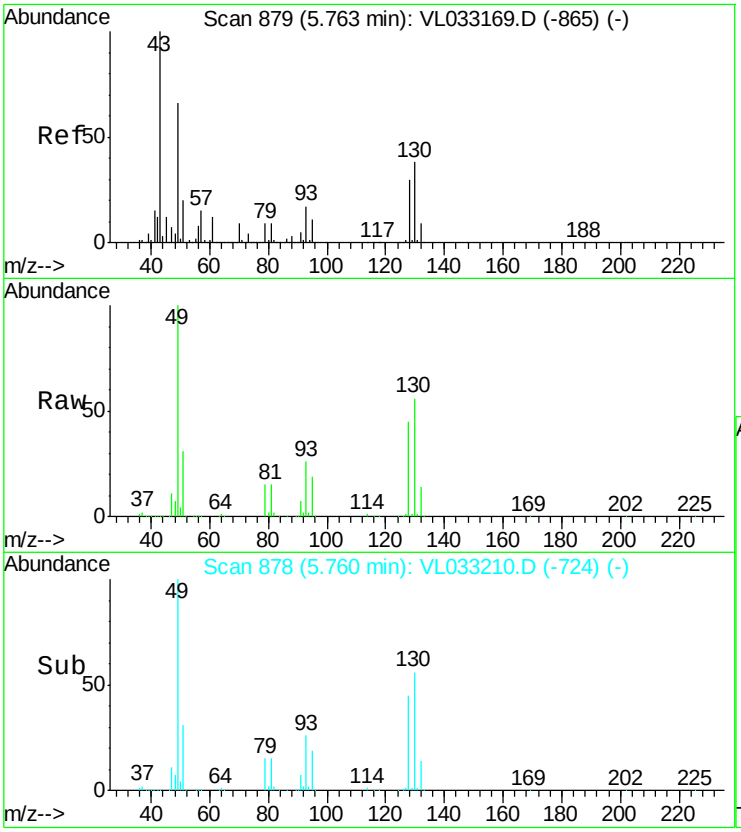


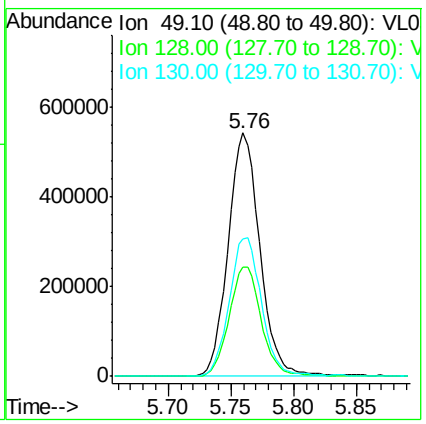


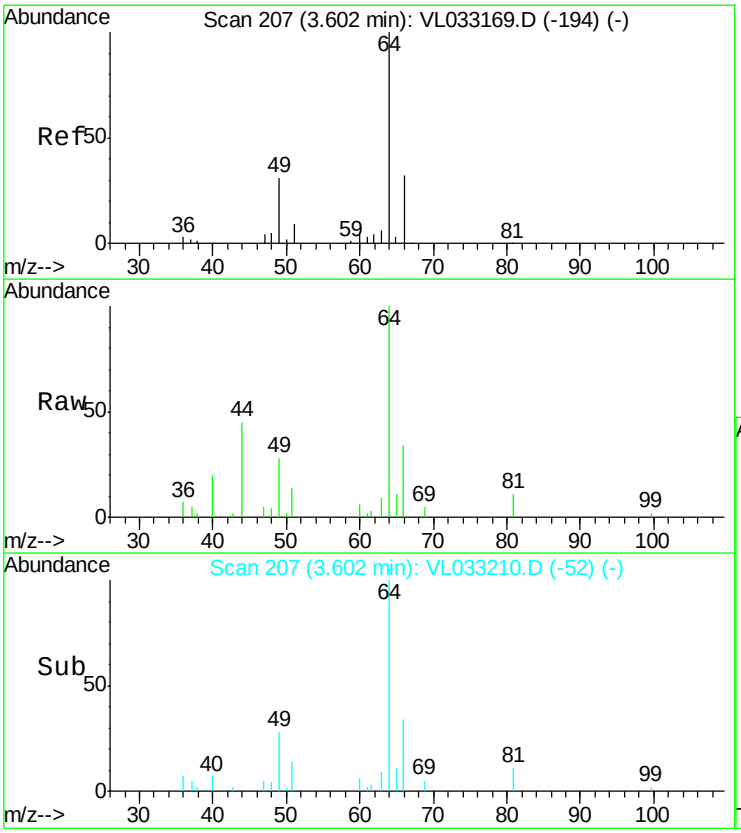
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 49 Resp: 953961

Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.6	71.0
130	58.7	30.3	91.0

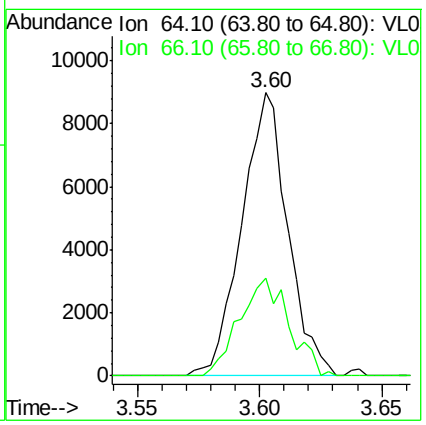


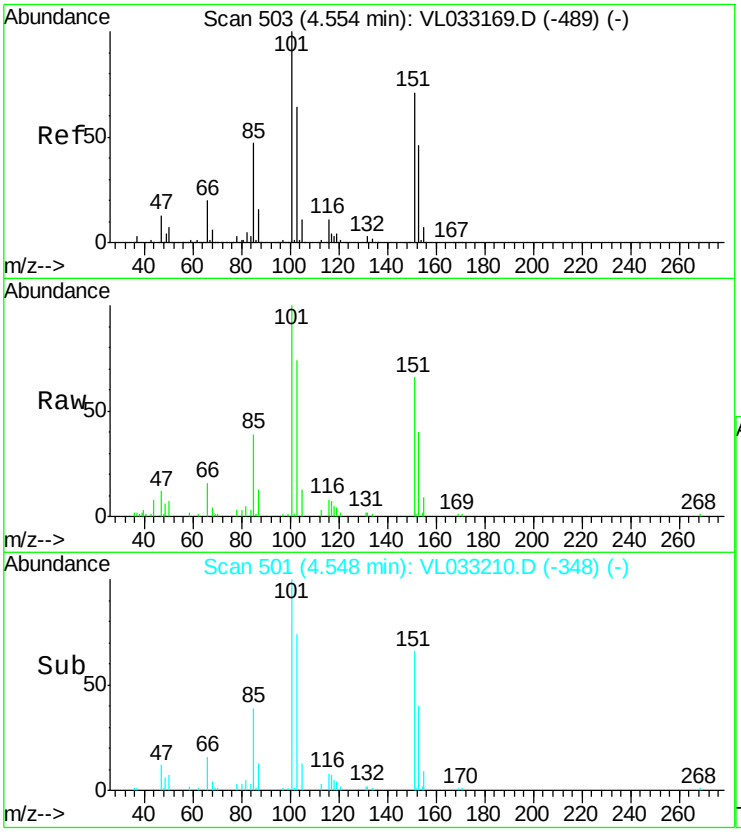


#7
Chloroethane
Concen: 0.567 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Tgt Ion: 64 Resp: 11730

Ion	Ratio	Lower	Upper
64	100		
66	34.5	26.0	39.0



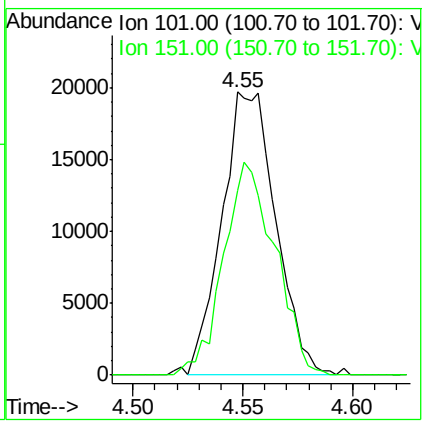


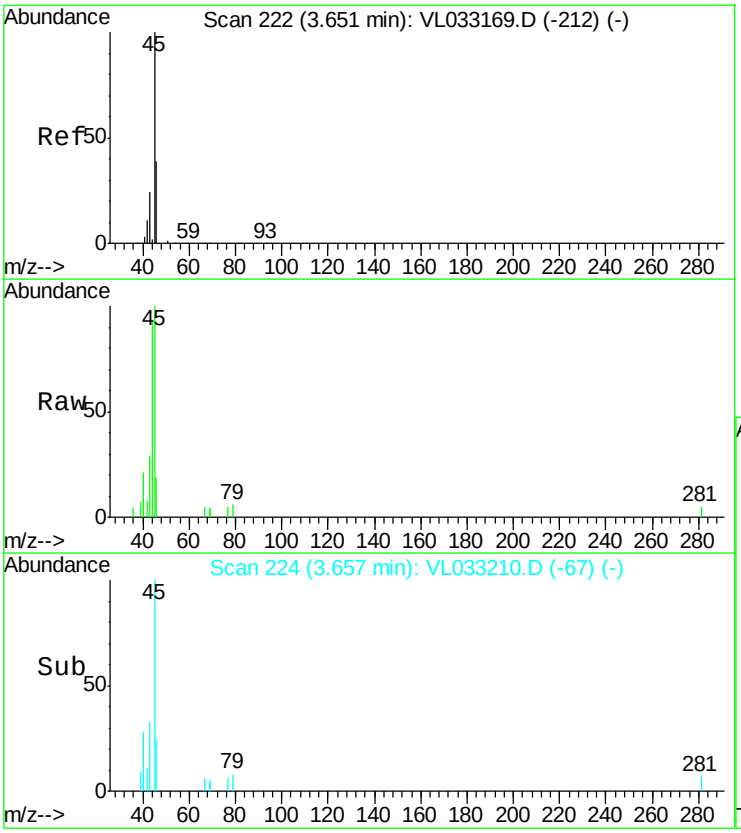
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.329 ppbv m
RT: 4.55 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion:101 Resp: 33626

Ion	Ratio	Lower	Upper
101	100		
151	72.0	57.4	86.0

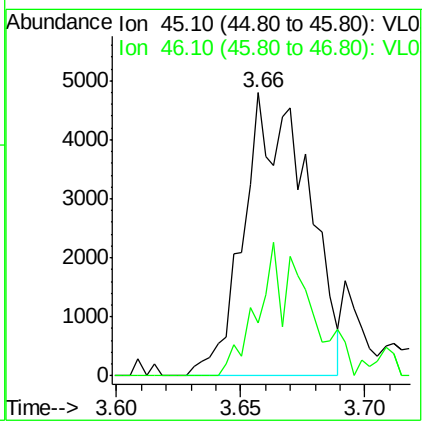


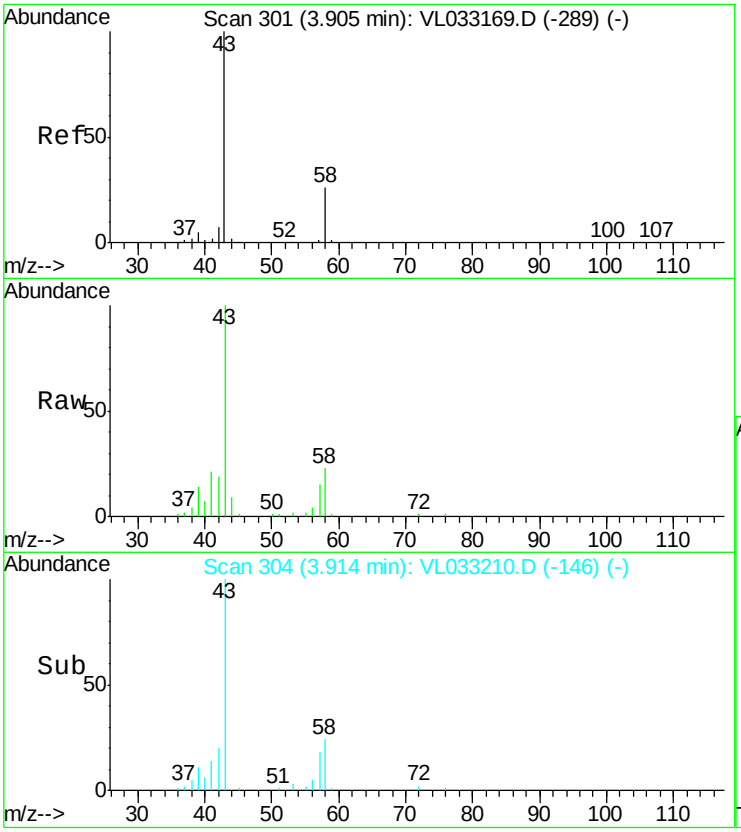


#13
Ethanol
Concen: 0.462 ppbv m
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Tgt Ion: 45 Resp: 8556

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	60.2#



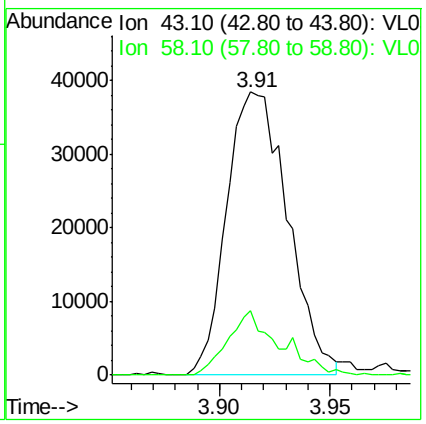


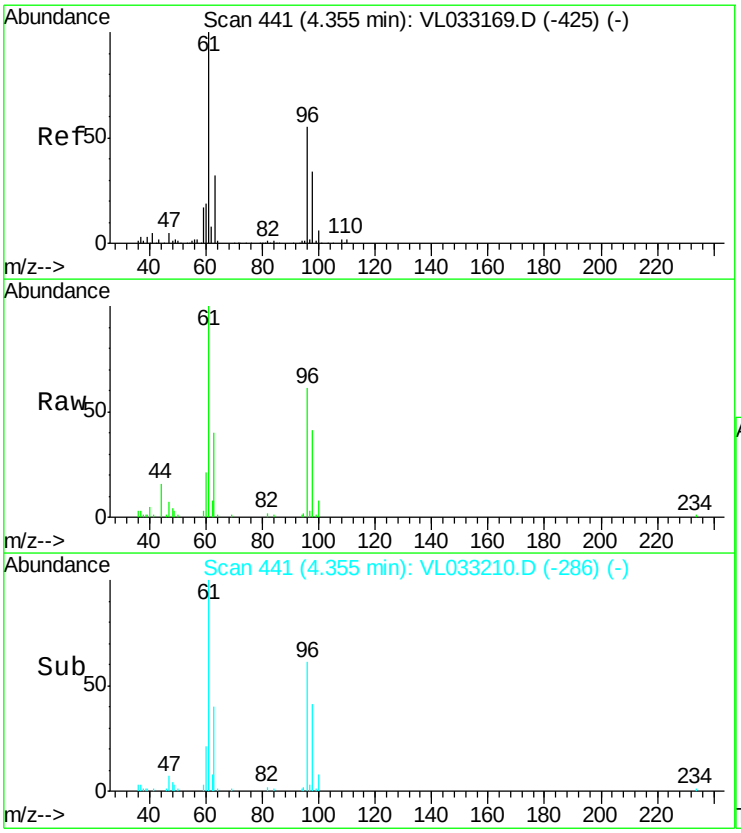
#15
Acetone
Concen: 0.688 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 43 Resp: 73992

Ion	Ratio	Lower	Upper
43	100		
58	19.4	21.1	31.7#

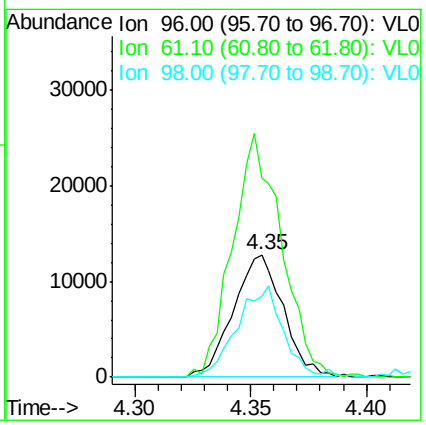


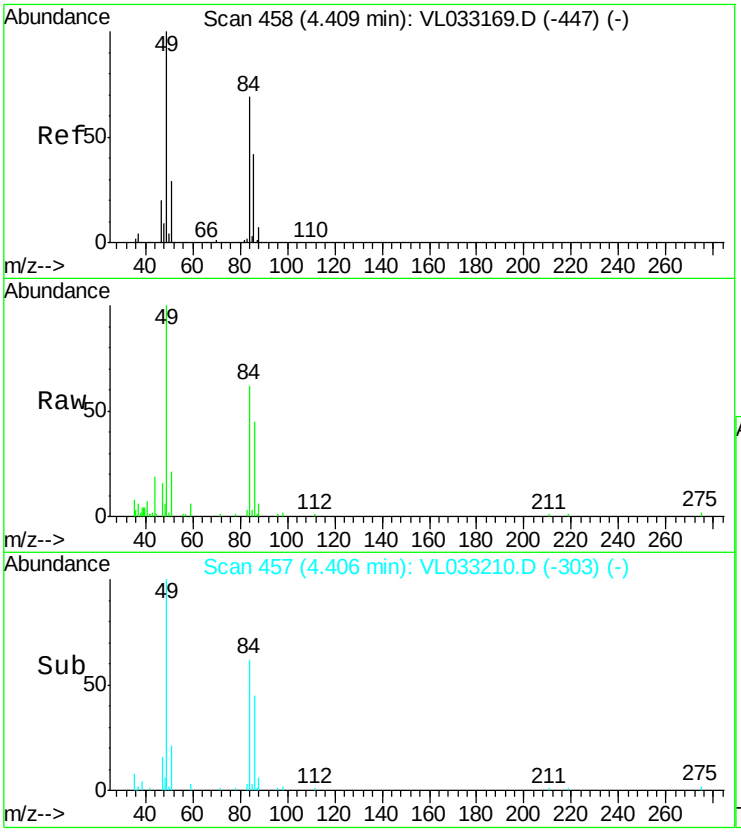


#18
1,1-Dichloroethene
Concen: 0.417 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Tgt Ion: 96 Resp: 19105

Ion	Ratio	Lower	Upper
96	100		
61	162.9	145.0	217.6
98	66.2	50.0	75.0



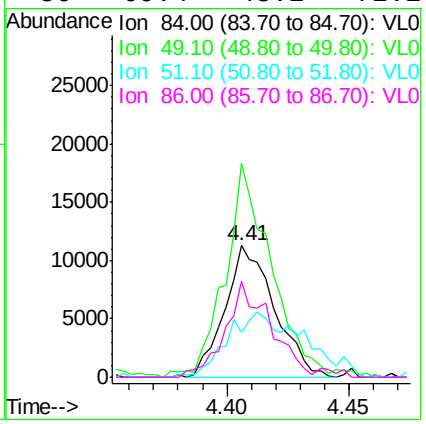


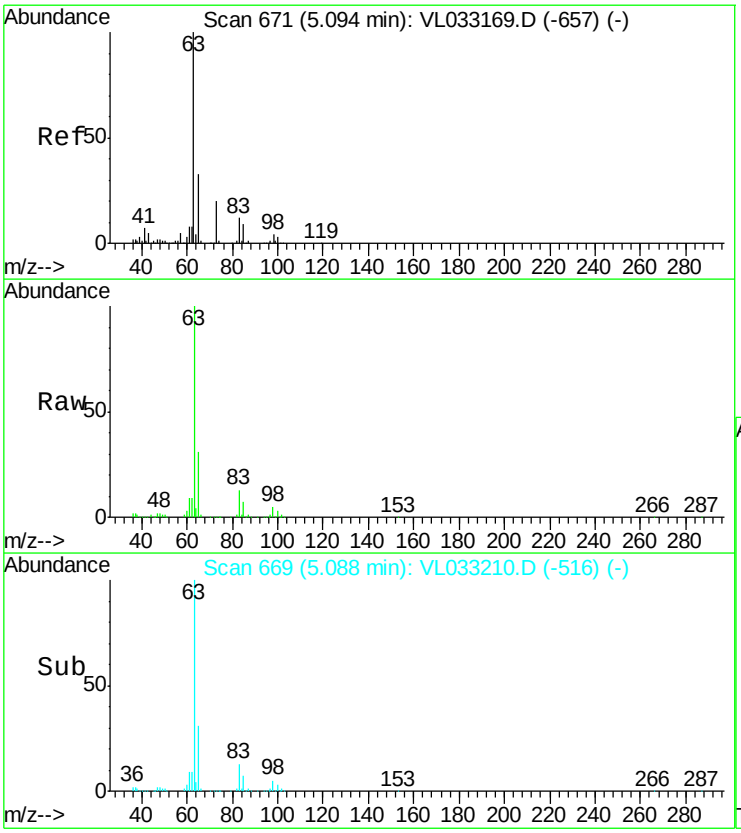
#20
Methylene Chloride
Concen: 0.372 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Instrument : MSVOA_L
ClientSampleId : MIDDL

Tgt Ion: 84 Resp: 15923

Ion	Ratio	Lower	Upper
84	100		
49	159.9	115.8	173.8
51	31.8	33.0	49.6#
86	69.4	48.2	72.2

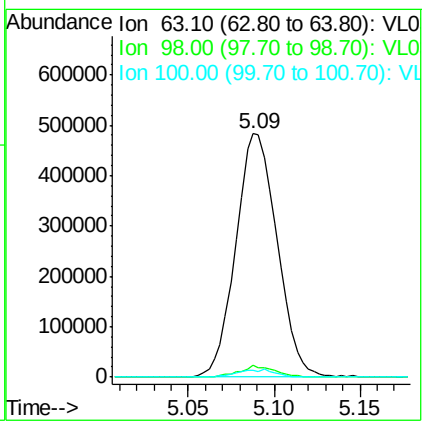


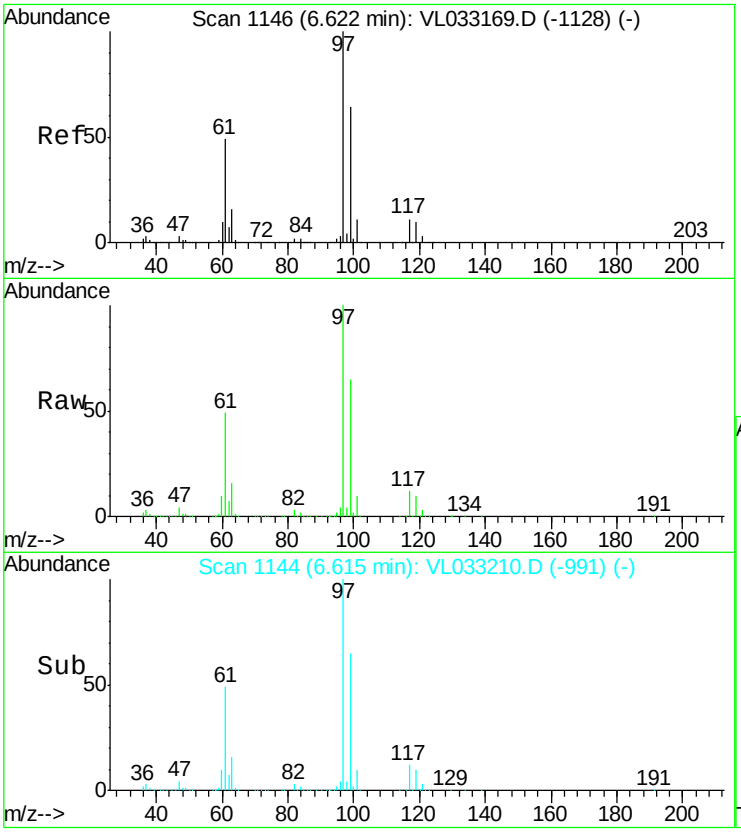


#24
1,1-Dichloroethane
Concen: 6.113 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Tgt Ion: 63 Resp: 805380

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	3.0	1.4	4.2



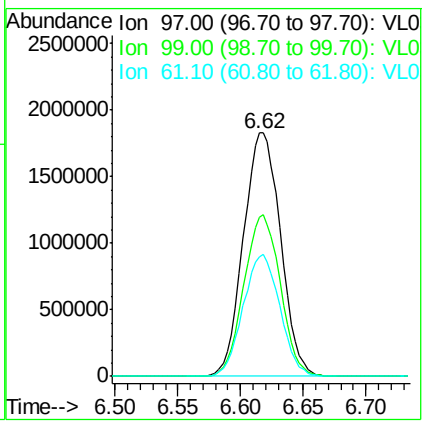


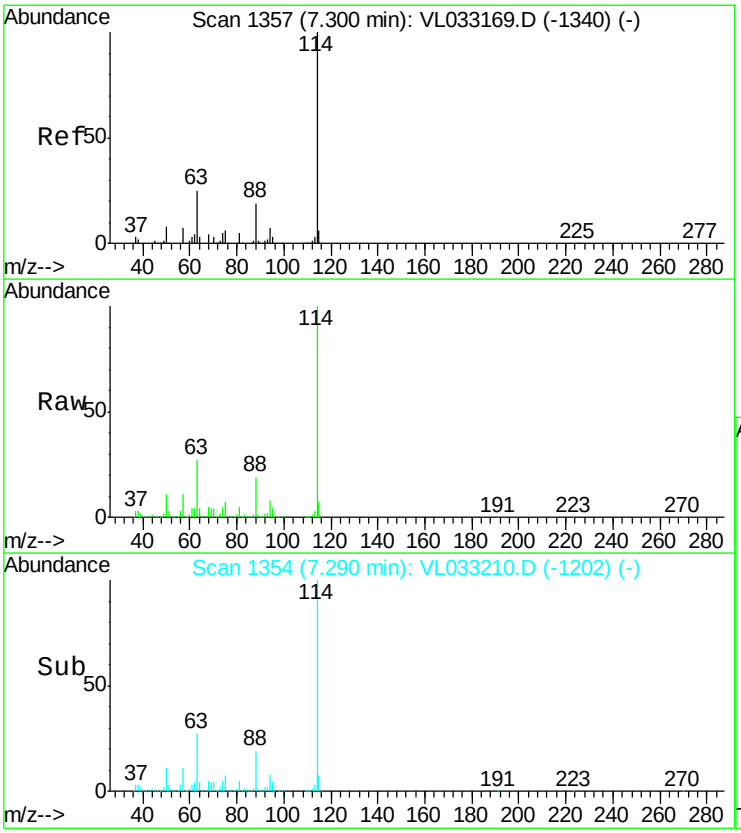
#32
1,1,1-Trichloroethane
Concen: 19.707 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 97 Resp: 3772336

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	49.7	38.9	58.3

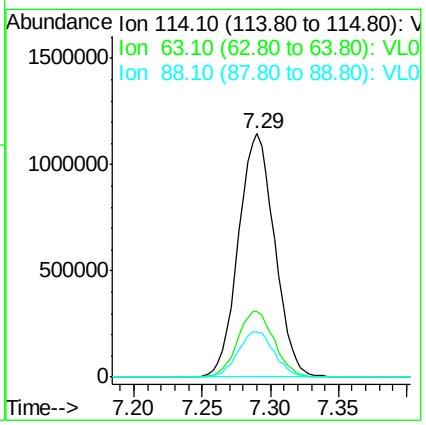


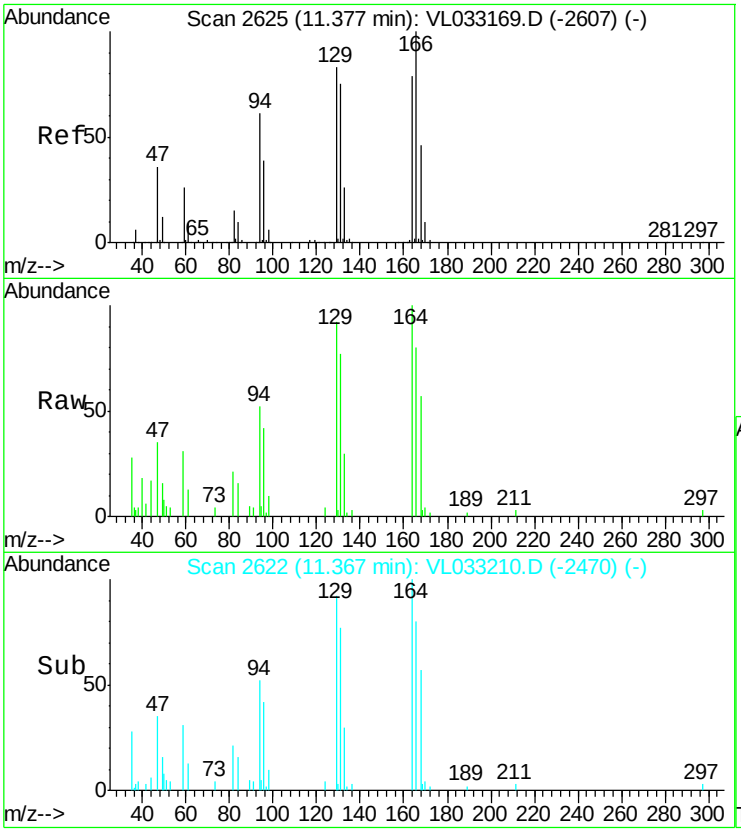


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Tgt Ion:114 Resp: 2115025

Ion	Ratio	Lower	Upper
114	100		
63	27.4	20.8	31.2
88	18.7	14.6	22.0



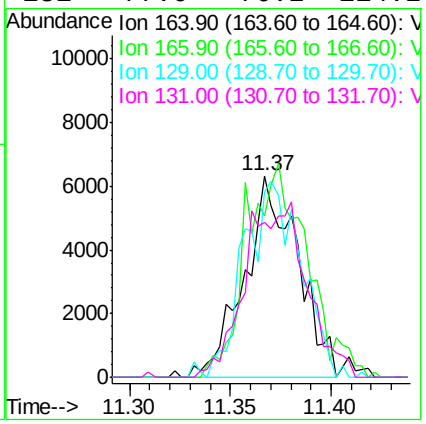


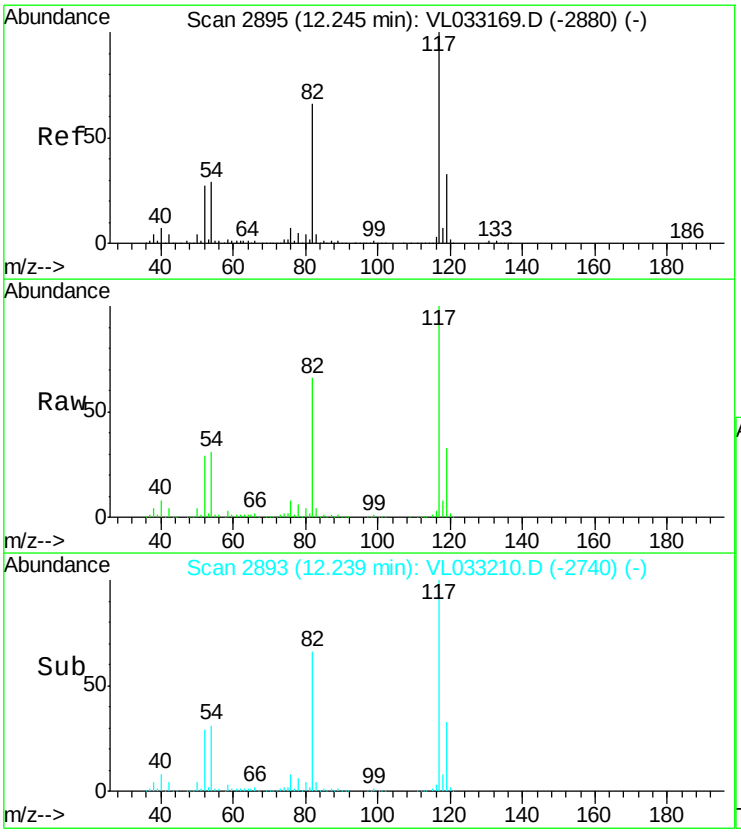
#52
Tetrachloroethene
Concen: 0.140 ppbv m
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion:164 Resp: 11565

Ion	Ratio	Lower	Upper
164	100		
166	80.1	100.9	151.3#
129	92.1	83.9	125.9
131	77.0	76.2	114.2

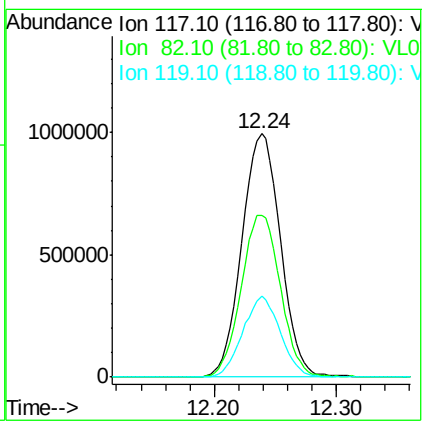


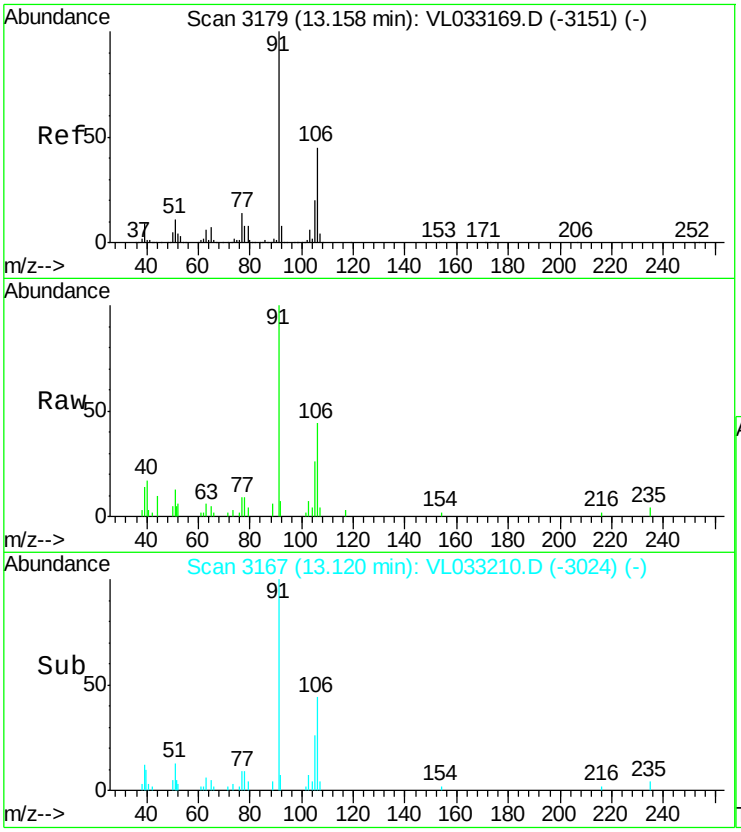


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Tgt Ion:117 Resp: 2175014

Ion	Ratio	Lower	Upper
117	100		
82	67.8	49.5	74.3
119	32.3	24.4	36.6



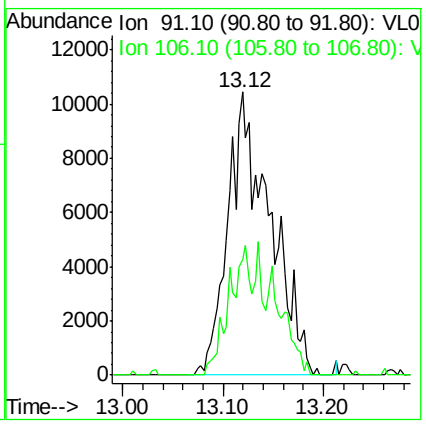


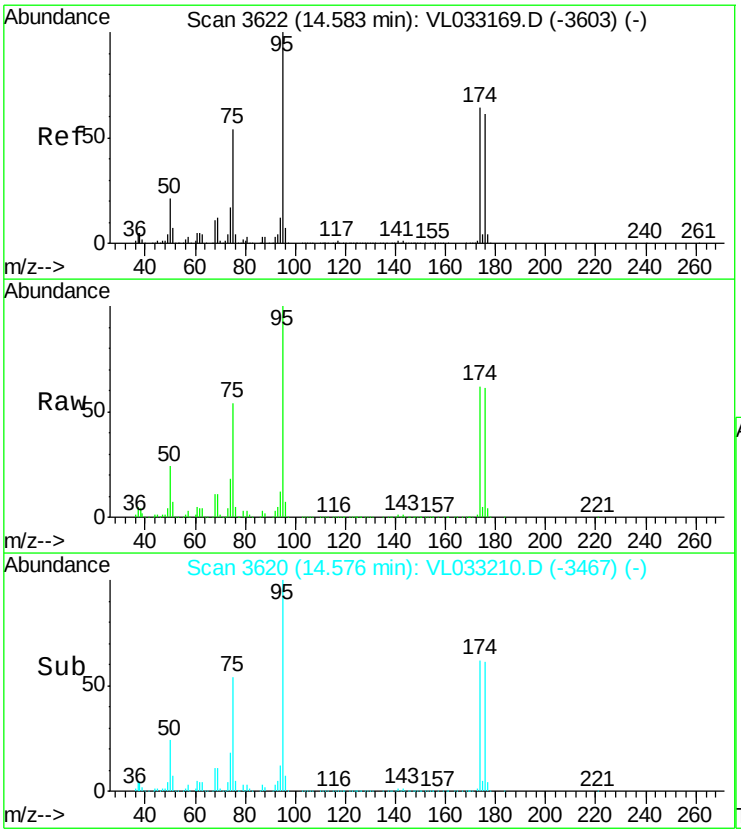
#59
m/p-Xylene
Concen: 0.103 ppbv m
RT: 13.12 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Instrument :
MSVOA_L
ClientSampleId :
MIDDL

Tgt Ion: 91 Resp: 30388

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.397 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033210.D
Acq: 14 Feb 2019 22:54

Tgt Ion: 95 Resp: 1741572

Ion	Ratio	Lower	Upper
95	100		
174	63.3	51.2	76.8
175	4.5	3.8	5.6