Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033662.D
Acq On : 6 May 2019 17:12
Operator : SY/AP
Sample : VL0506ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:09:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	940141	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2313324	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2396151	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2241561	11.41	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.10%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	3.01	51	2643	0.019	ppbv	95
9) Propene	3.04	41	796	0.015	ppbv #	15
11) Trichlorofluoromethane	3.88	101	2694	0.013	ppbv	95
13) Ethanol	3.66	45	288	0.019	ppbv #	38
17) tert-Butyl alcohol	4.39	59	1854	0.017	ppbv #	83
19) Isopropyl Alcohol	4.05	45	1508	0.018	ppbv #	93
20) Methylene Chloride	4.40	84	3516	0.066	ppbv #	59
39) 1,2-Dichloropropane	7.28	63	600921	7.773	ppbv #	22

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

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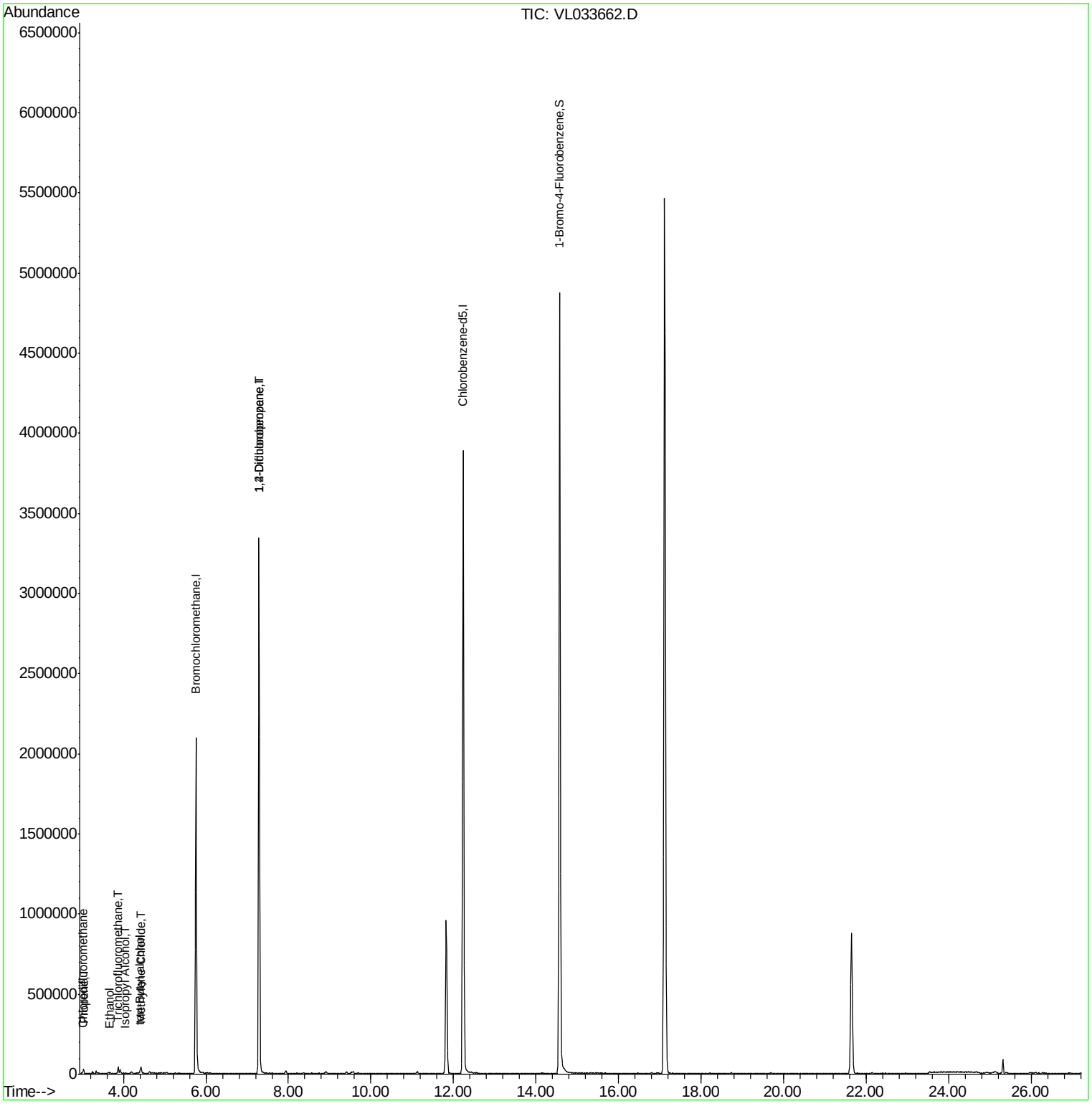
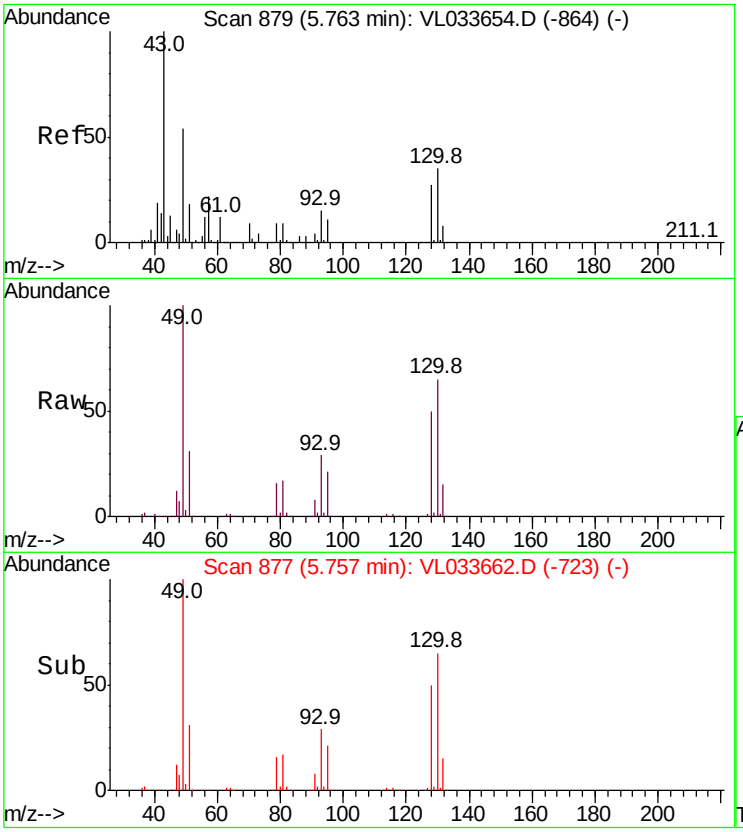


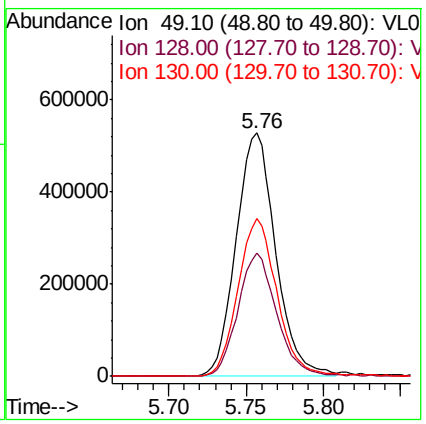


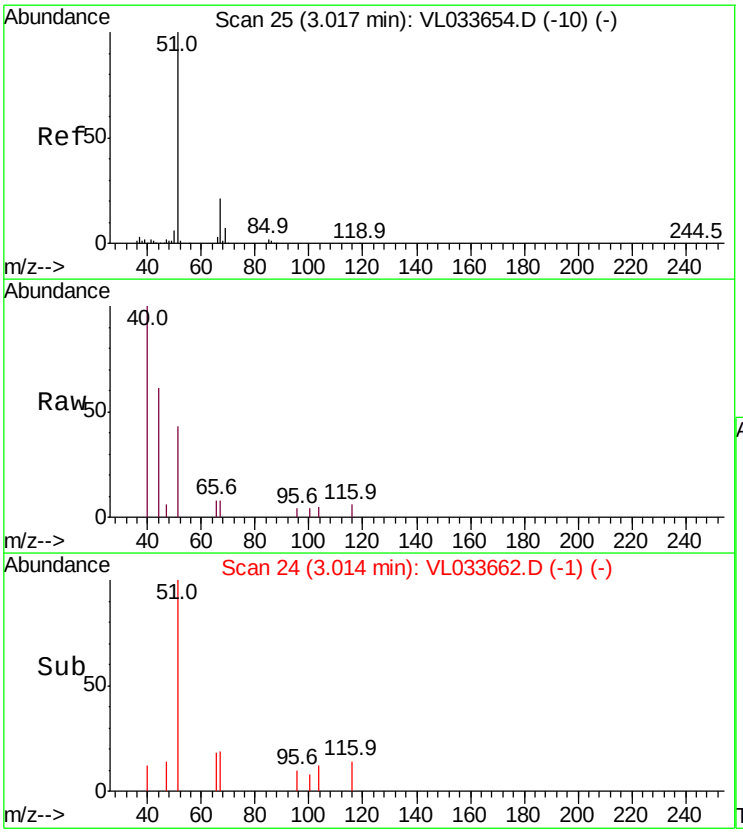
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 940141

Ion	Ratio	Lower	Upper
49	100		
128	49.8	24.8	74.3
130	64.9	32.1	96.5

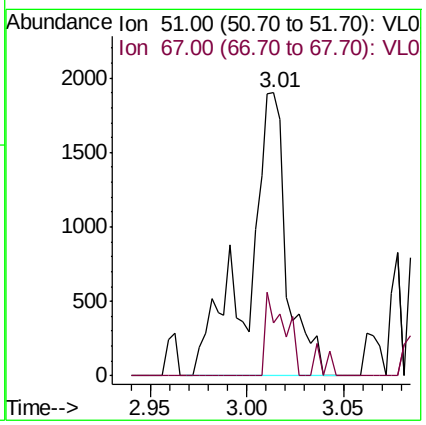


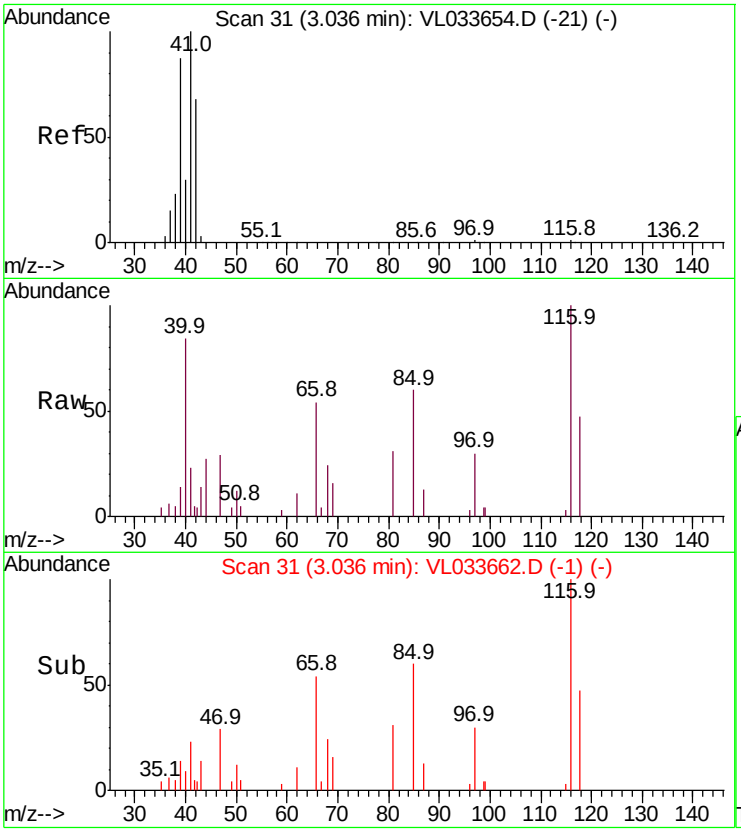


#3
Chlorodifluoromethane
Concen: 0.019 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Tgt Ion: 51 Resp: 2643

Ion	Ratio	Lower	Upper
51	100		
67	17.4	15.7	23.5



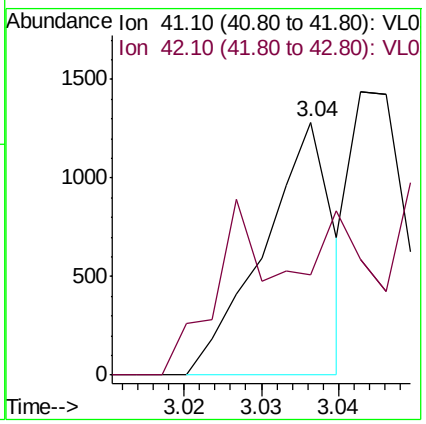


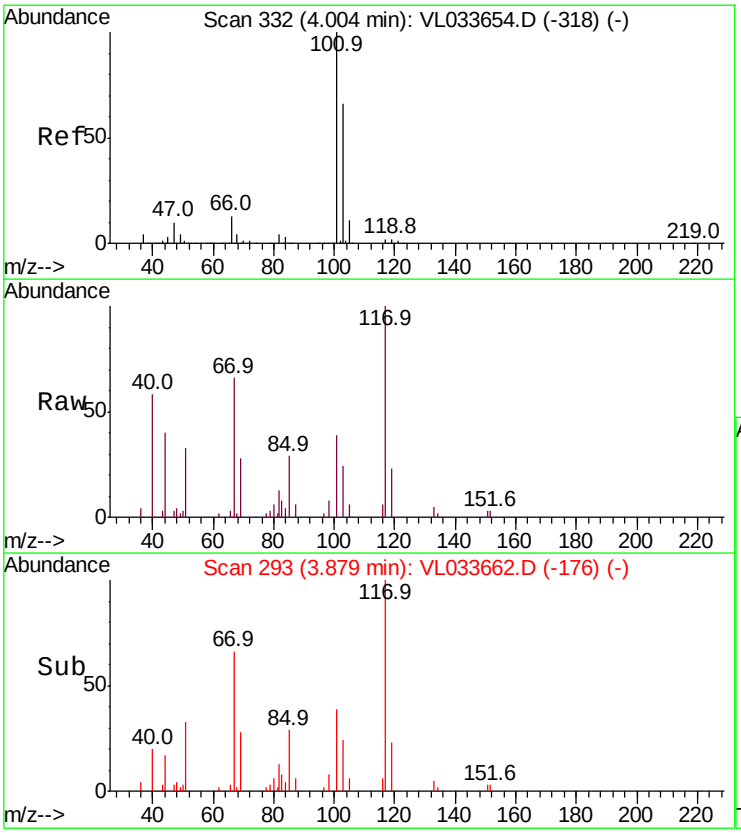
#9
Propene
Concen: 0.015 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 796

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.6	83.4#

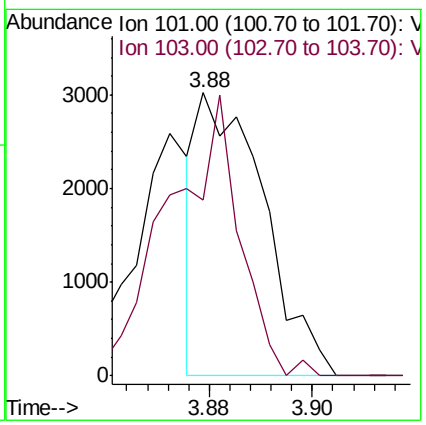


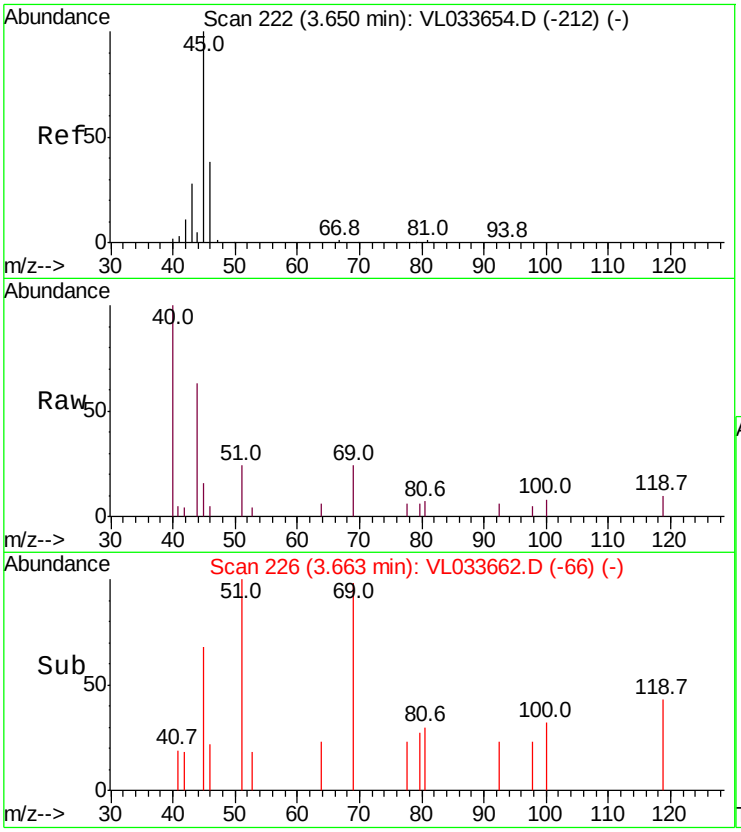


#11
Trichlorofluoromethane
Concen: 0.013 ppbv
RT: 3.88 min Scan# 293
Delta R.T. -0.13 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Tgt Ion:101 Resp: 2694

Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.7	79.1



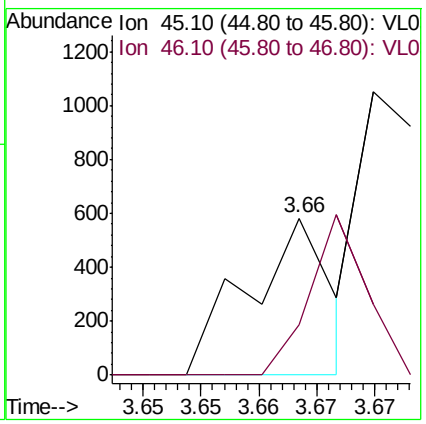


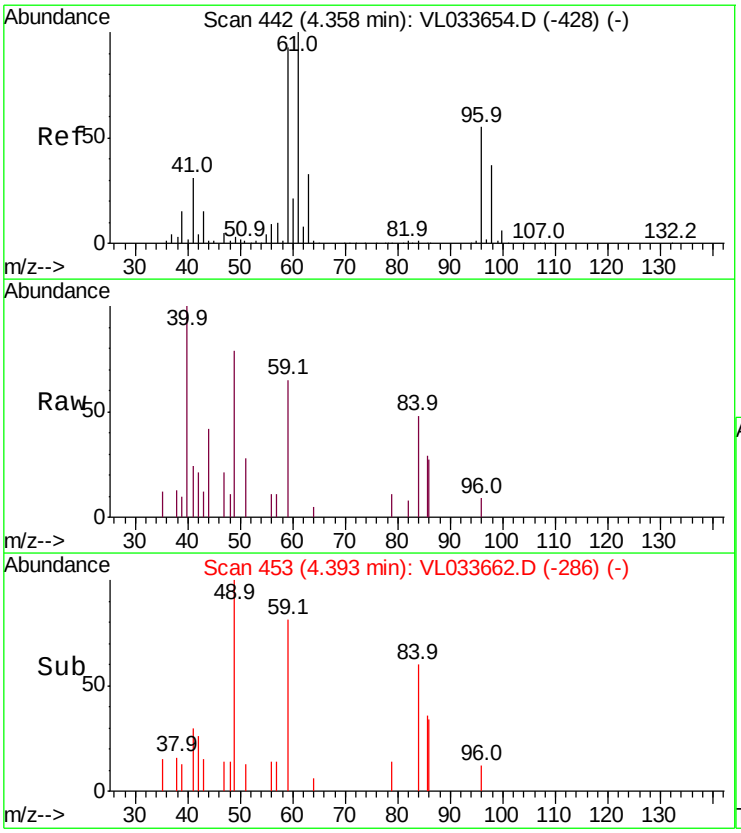
#13
Ethanol
Concen: 0.019 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 288

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.7#

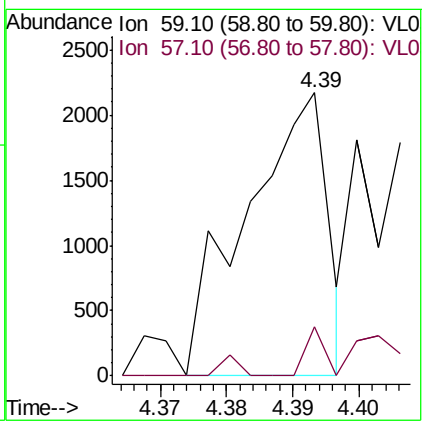


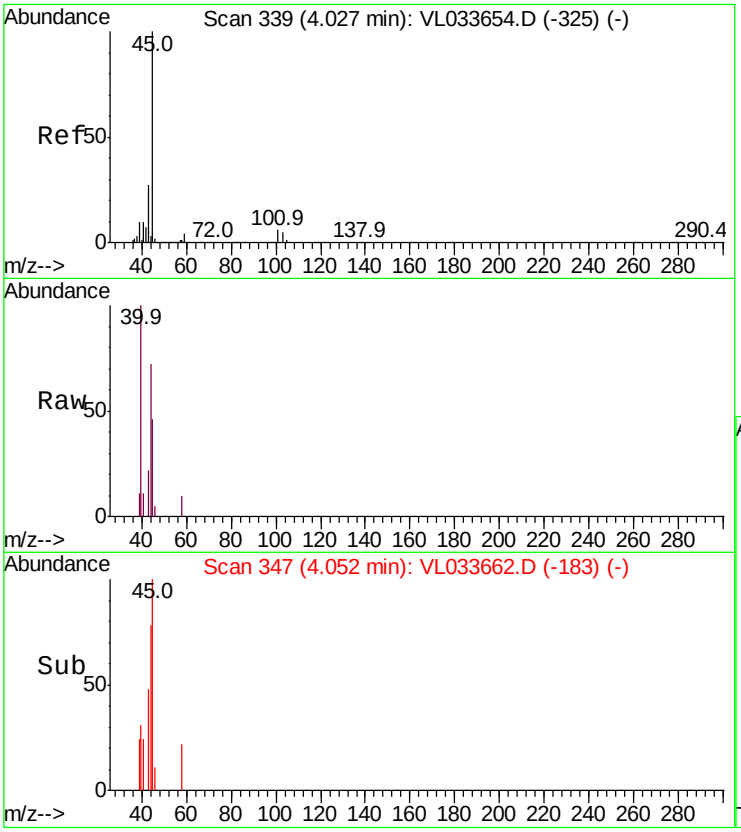


#17
tert-Butyl alcohol
Concen: 0.017 ppbv
RT: 4.39 min Scan# 453
Delta R.T. 0.04 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Tgt Ion: 59 Resp: 1854

Ion	Ratio	Lower	Upper
59	100		
57	17.0	8.4	12.6#



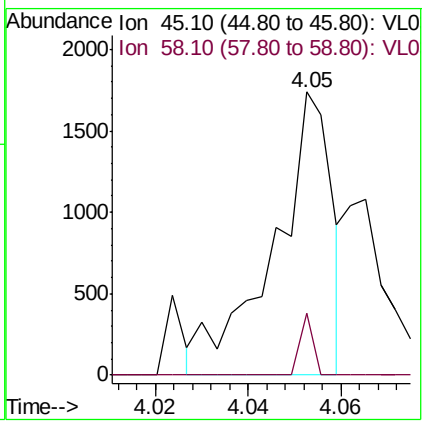


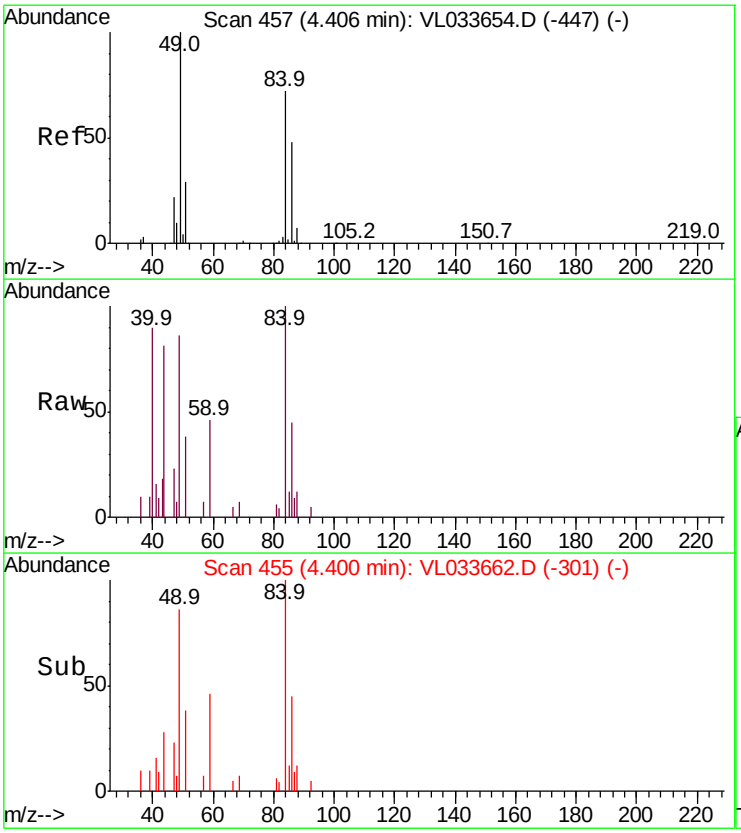
#19
Isopropyl Alcohol
Concen: 0.018 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.03 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1508

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

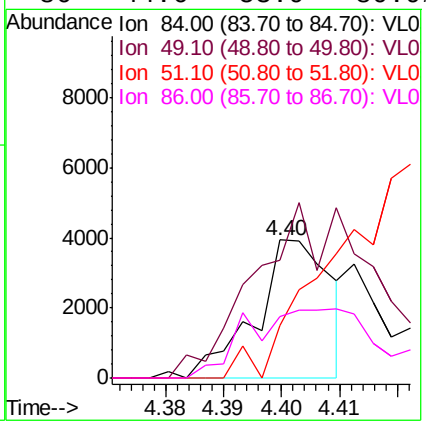


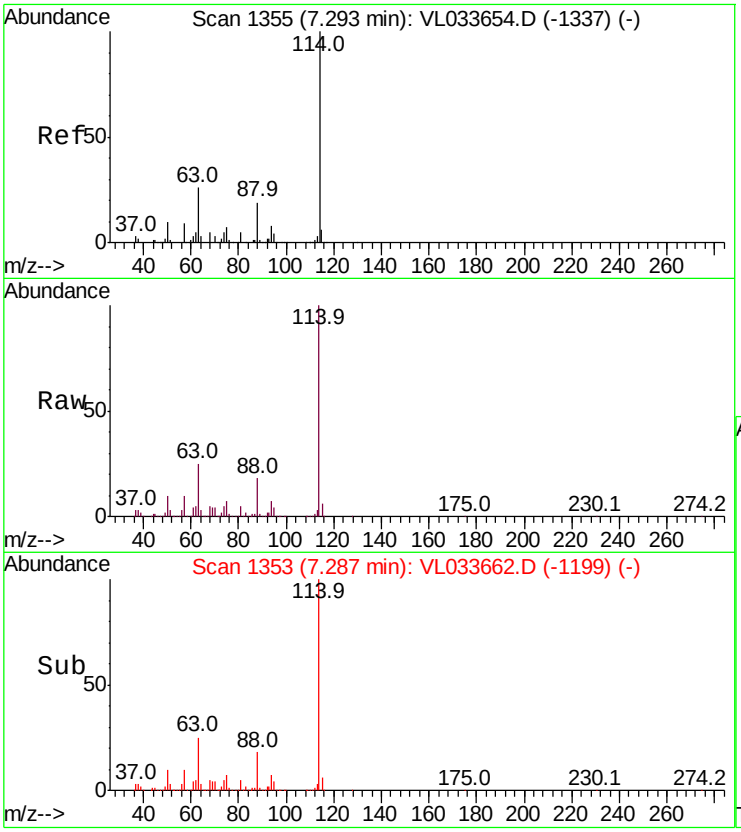


#20
Methylene Chloride
Concen: 0.066 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Tgt Ion: 84 Resp: 3516

Ion	Ratio	Lower	Upper
84	100		
49	69.0	111.8	167.6#
51	37.8	32.3	48.5
86	44.6	53.9	80.9#



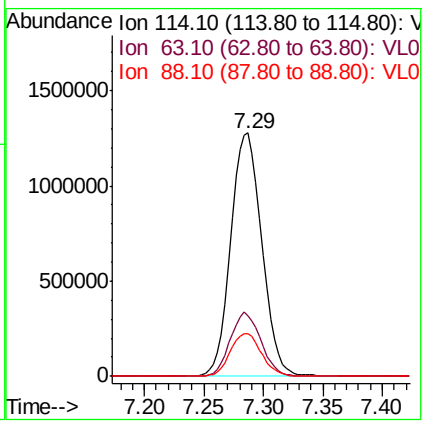


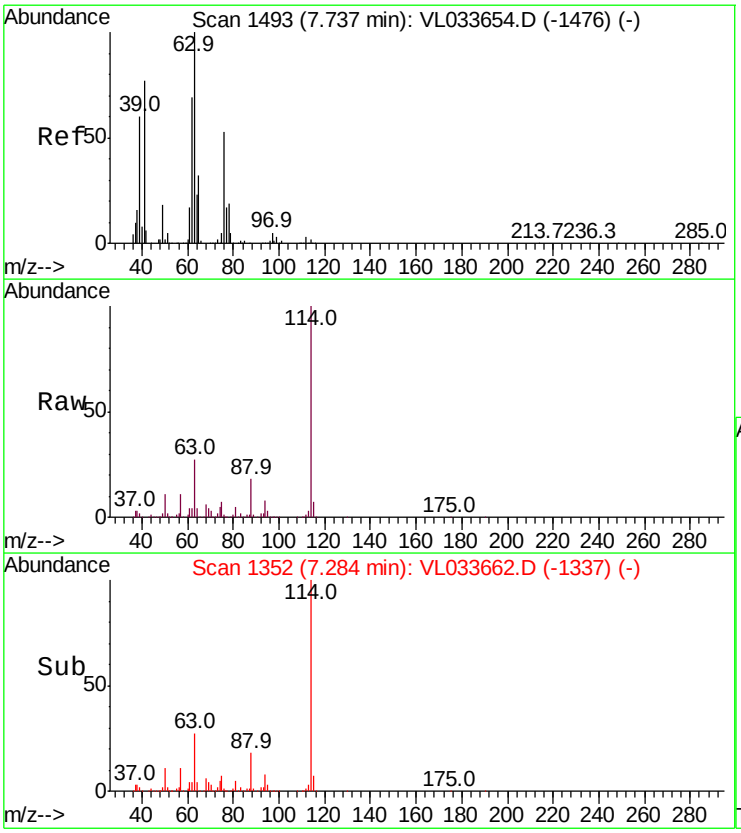
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2313324

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.3	31.9
88	17.8	14.4	21.6

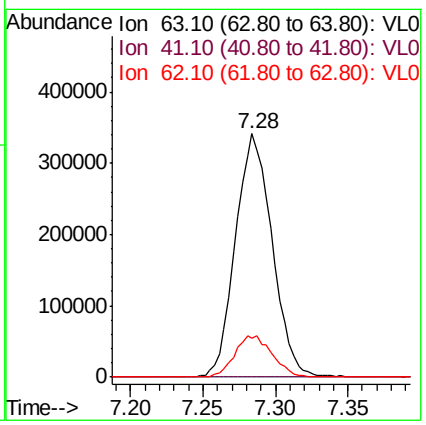


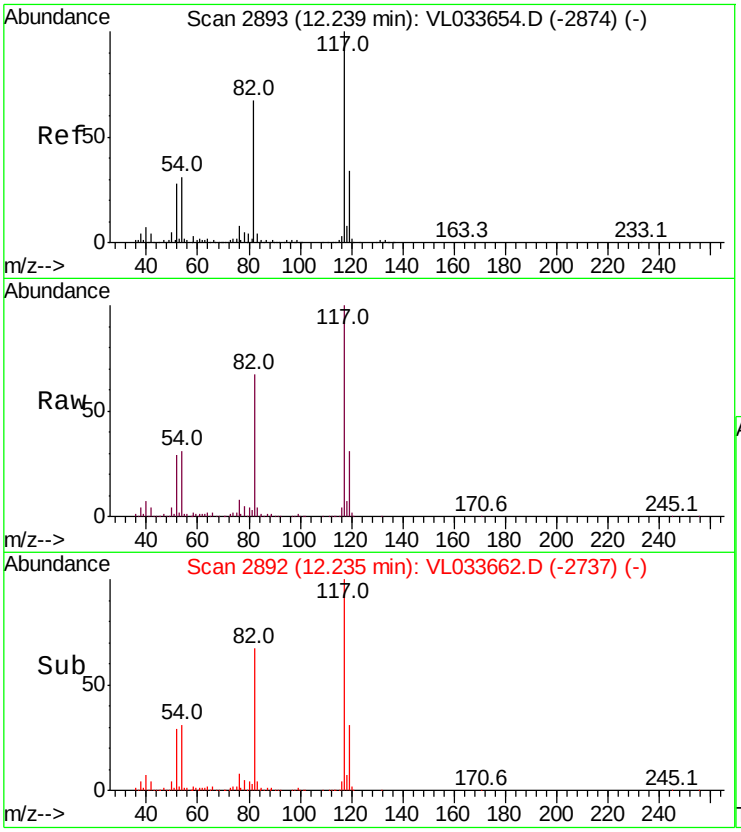


#39
1,2-Dichloropropane
Concen: 7.773 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Tgt Ion: 63 Resp: 600921

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.6	92.4#
62	16.1	55.0	82.6#



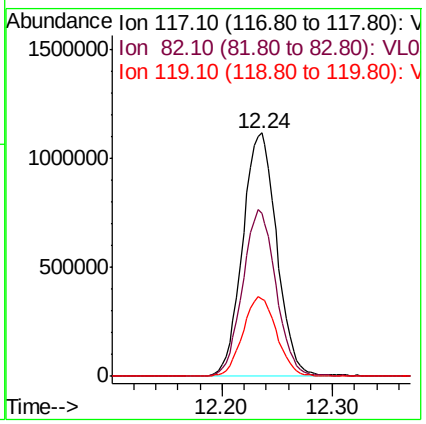


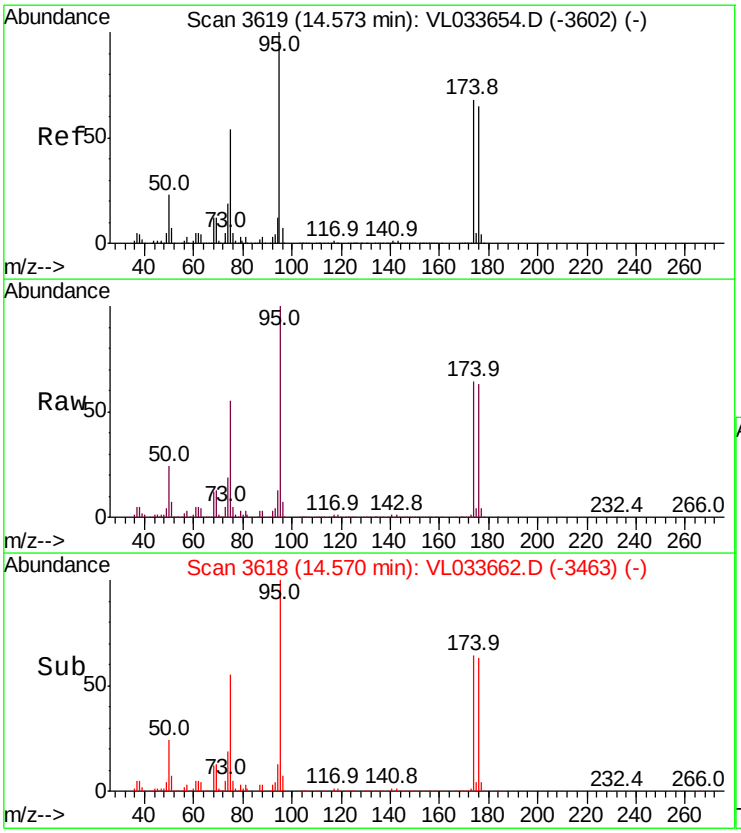
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2396151

Ion	Ratio	Lower	Upper
117	100		
82	67.6	49.7	74.5
119	32.5	24.8	37.2





#68
1-Bromo-4-Fluorobenzene
Concen: 11.412 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033662.D
Acq: 6 May 2019 17:12

Tgt Ion: 95 Resp: 2241561

Ion	Ratio	Lower	Upper
95	100		
174	66.9	54.0	81.0
175	4.7	3.8	5.8