Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

Quantitation Report (Not Reviewed)

Data File : VL033851.D
Acq On : 30 May 2019 1:34
Operator : SY/AP
Sample : K3067-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-7-20190523-1DL

Quant Time: May 30 02:15:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	719218	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1654730	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1665170	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1344210	9.96	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	5497	0.036	ppbv		91
3) Chlorodifluoromethane	3.01	51	6166	0.075	ppbv	#	87
4) Chloromethane	3.17	50	1812	0.038	ppbv		97
9) Propene	3.03	41	1397	0.040	ppbv	#	15
11) Trichlorofluoromethane	4.00	101	5293	0.037	ppbv	#	77
13) Ethanol	3.66	45	19344	1.708	ppbv		94
15) Acetone	3.90	43	90912	0.911	ppbv		96
19) Isopropyl Alcohol	4.03	45	5753	0.089	ppbv	#	60
20) Methylene Chloride	4.40	84	3915	0.102	ppbv	#	71
26) Hexane	5.77	57	8573	0.114	ppbv	#	41
27) Carbon Disulfide	4.62	76	14862	0.144	ppbv	#	65
29) Chloroform	5.84	83	16881	0.122	ppbv	#	83
34) 2-Butanone	5.33	43	6370	0.062	ppbv	#	54
39) 1,2-Dichloropropane	7.28	63	429051	7.645	ppbv	#	23
52) Tetrachloroethene	11.37	164	39781	0.752	ppbv		90

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

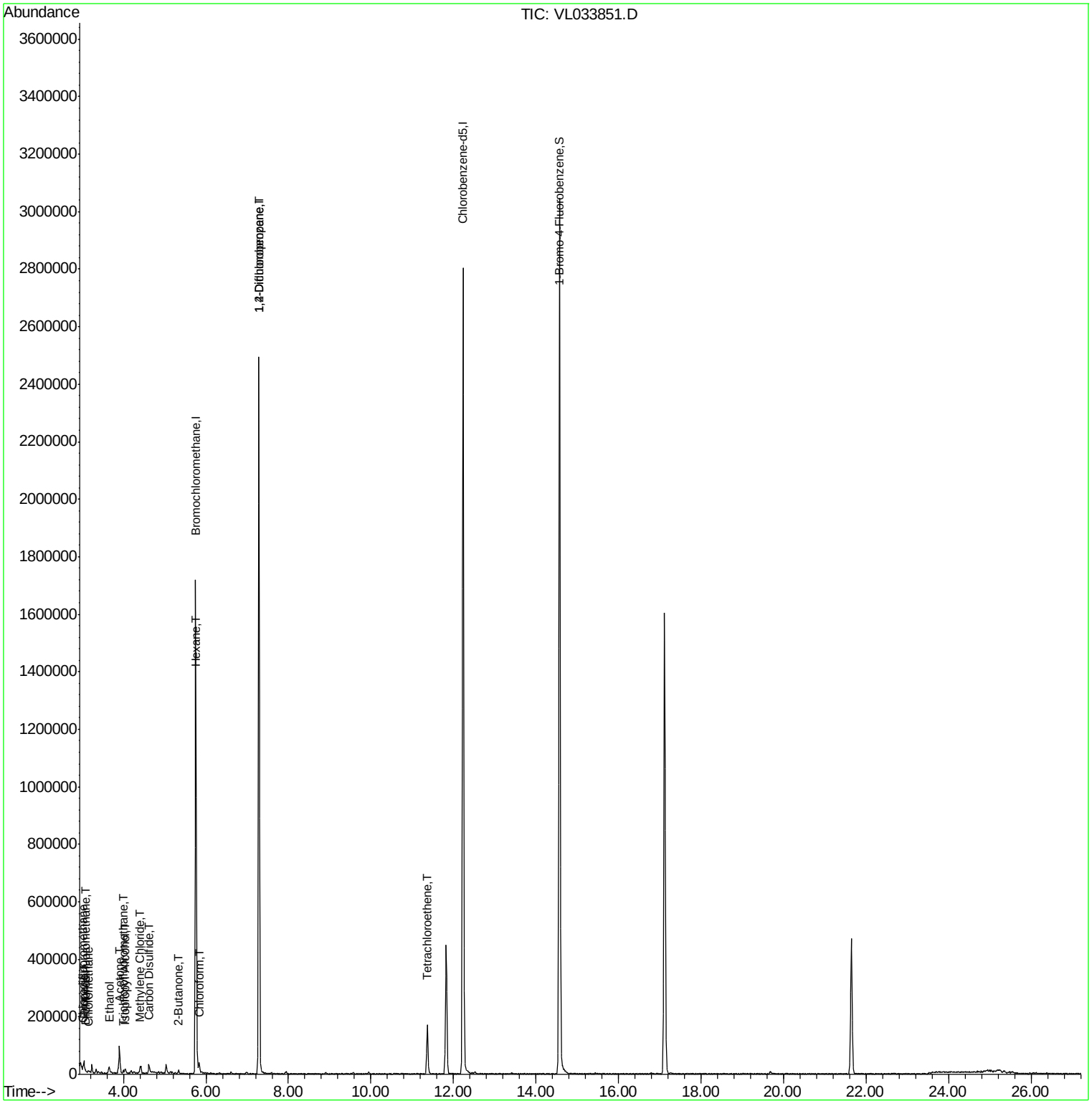
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\

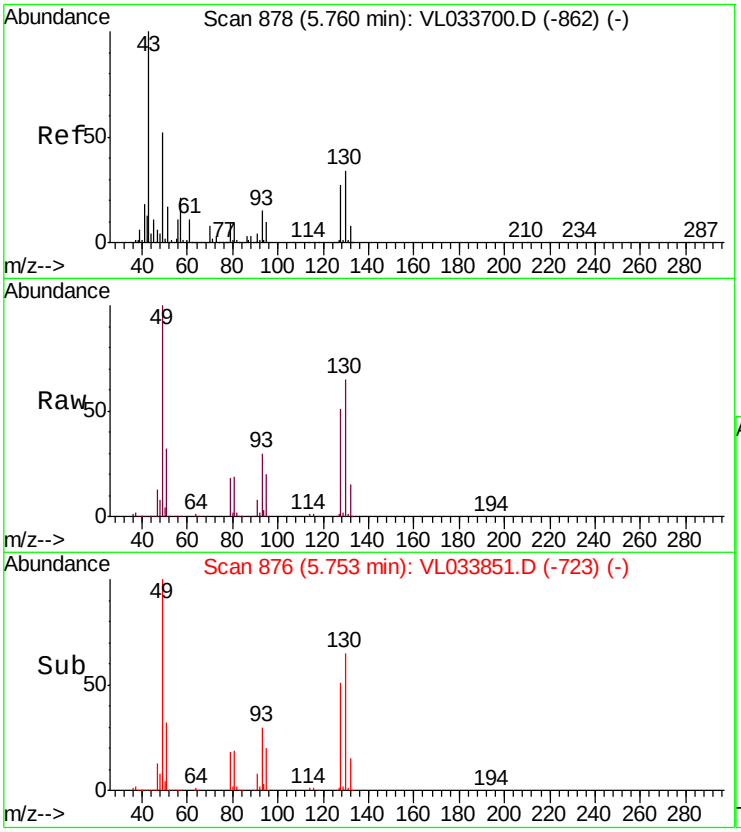
Quantitation Report (Not Reviewed)

Data File : VL033851.D
Acq On : 30 May 2019 1:34
Operator : SY/AP
Sample : K3067-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-7-20190523-1DL

Quant Time: May 30 02:15:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



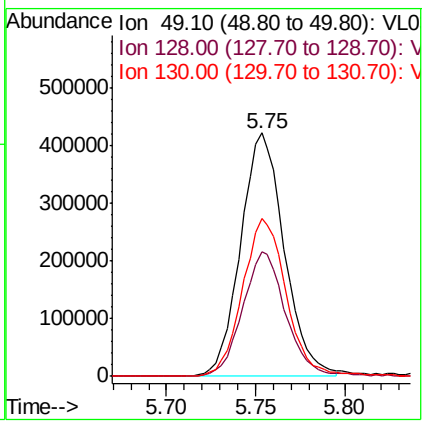


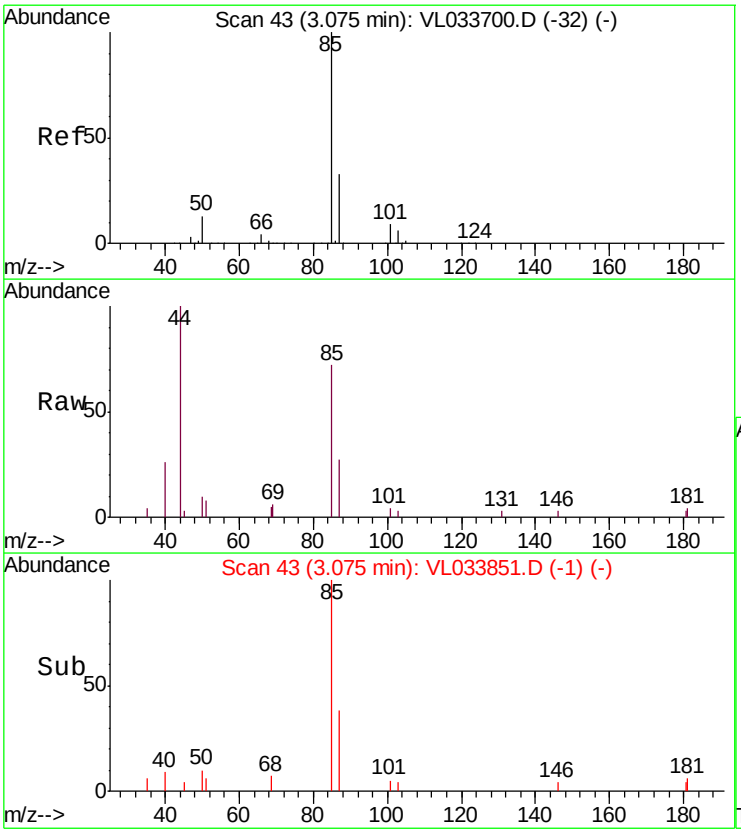
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument :
MSVOA_L
ClientSampleId :
SG-7-20190523-1DL

Tgt Ion: 49 Resp: 719218

Ion	Ratio	Lower	Upper
49	100		
128	50.8	25.2	75.6
130	65.5	32.5	97.5

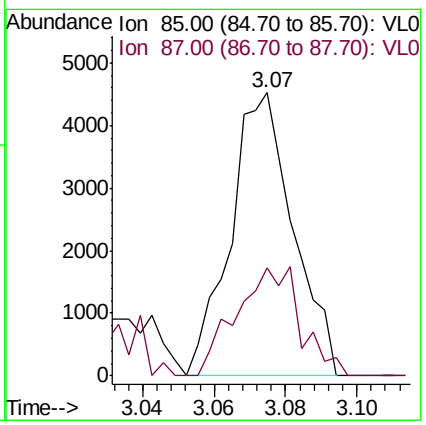


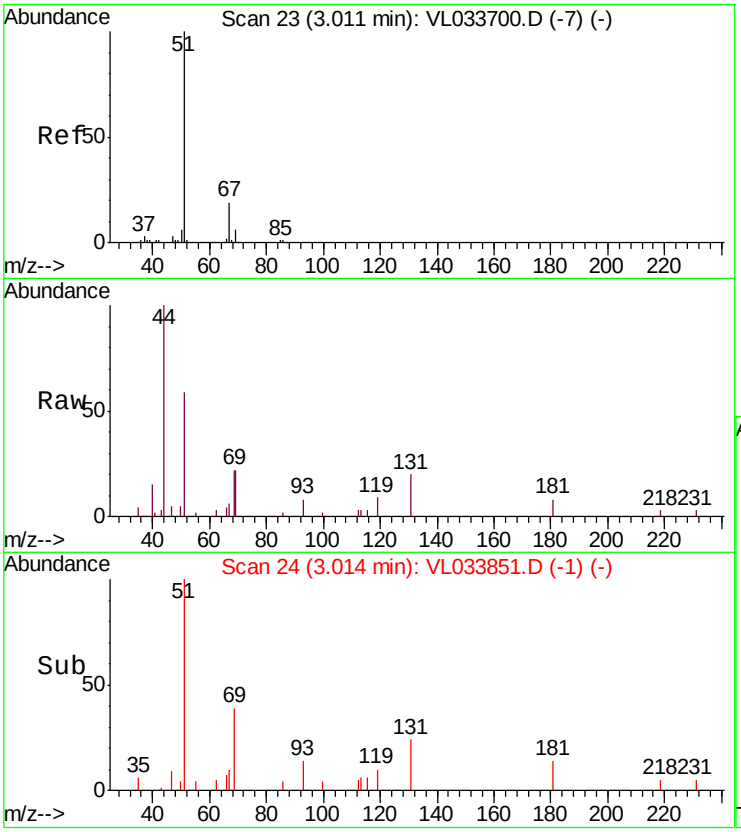


#2
Dichlorodifluoromethane
Concen: 0.036 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion: 85 Resp: 5497

Ion	Ratio	Lower	Upper
85	100		
87	38.0	26.3	39.5



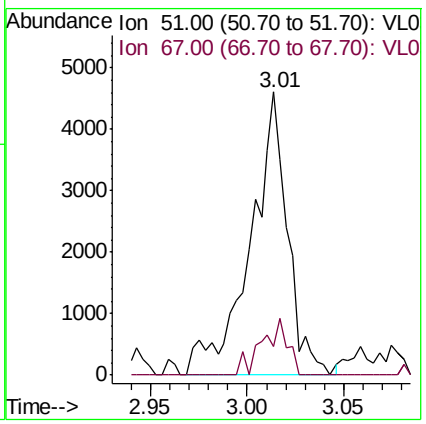


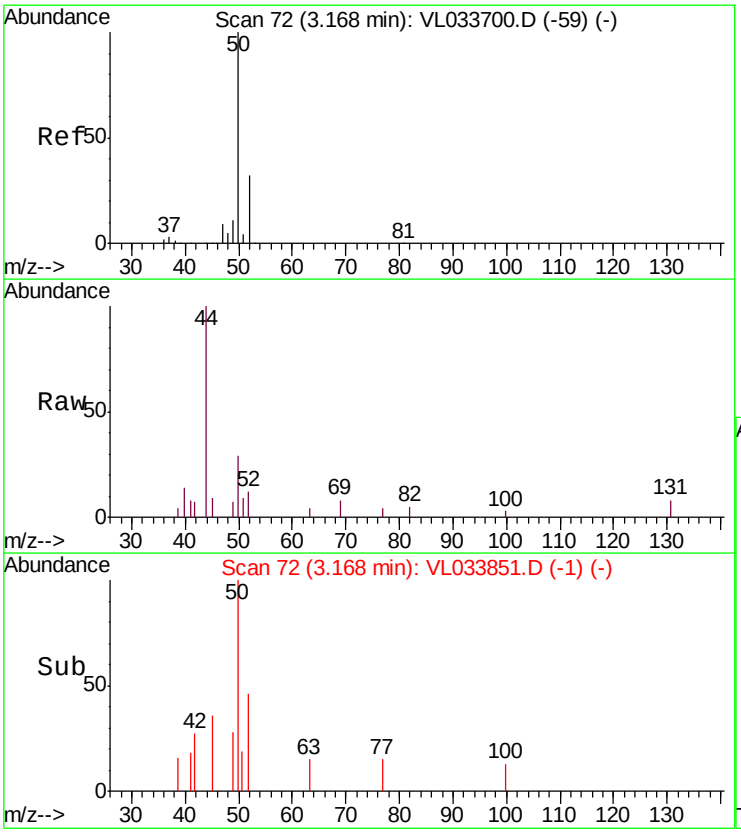
#3
Chlorodifluoromethane
Concen: 0.075 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument : MSVOA_L
ClientSampleId : SG-7-20190523-1DL

Tgt Ion: 51 Resp: 6166

Ion	Ratio	Lower	Upper
51	100		
67	13.6	15.6	23.4#

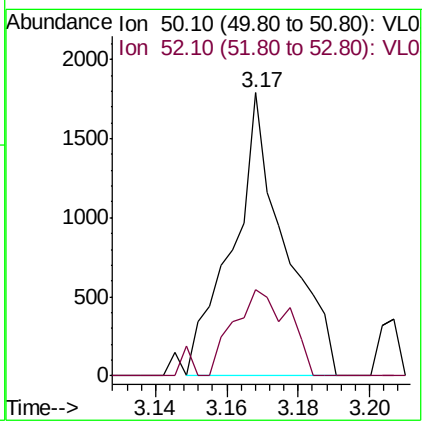


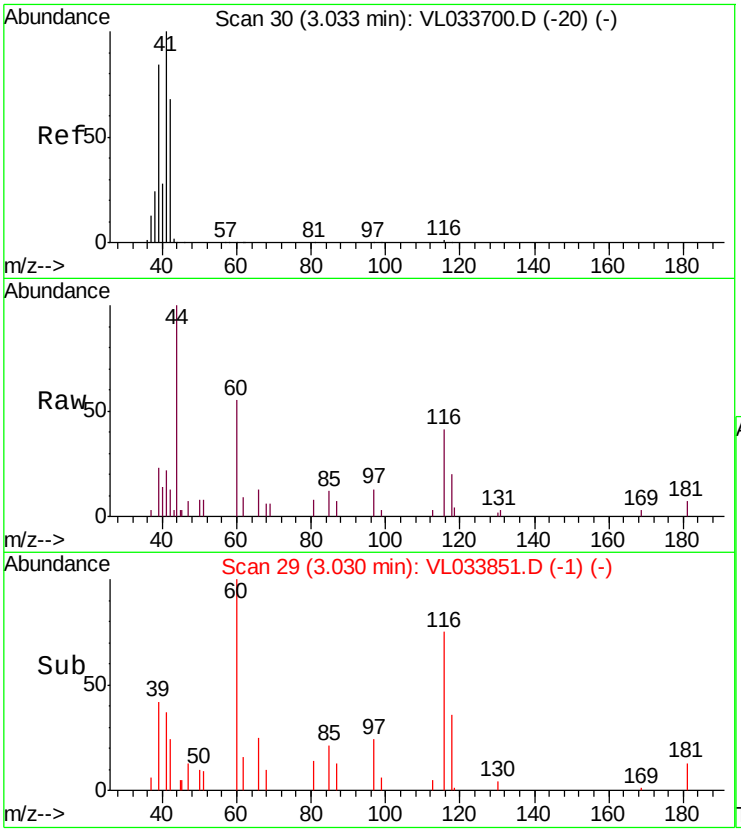


#4
Chloromethane
Concen: 0.038 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion: 50 Resp: 1812

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.7	38.5



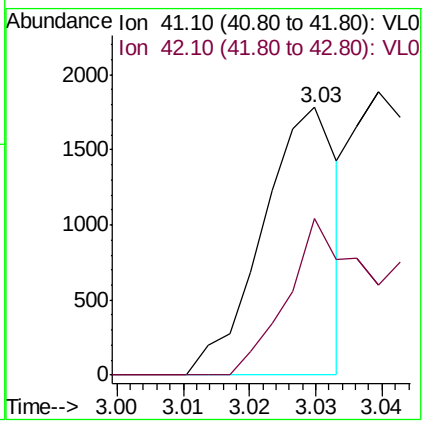


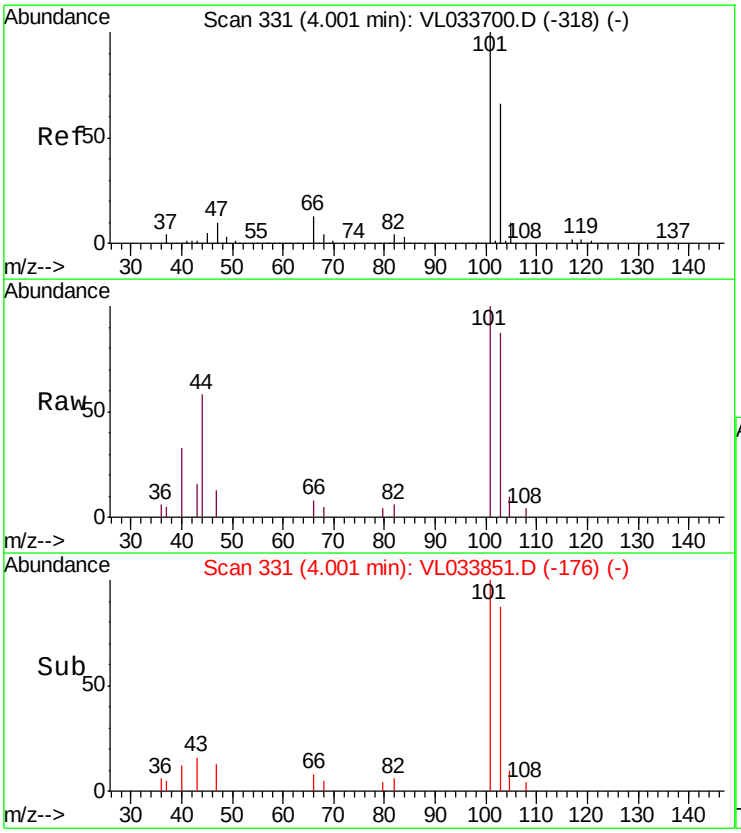
#9
Propene
Concen: 0.040 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument :
MSVOA_L
ClientSampleId :
SG-7-20190523-1DL

Tgt Ion: 41 Resp: 1397

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.1	84.1#

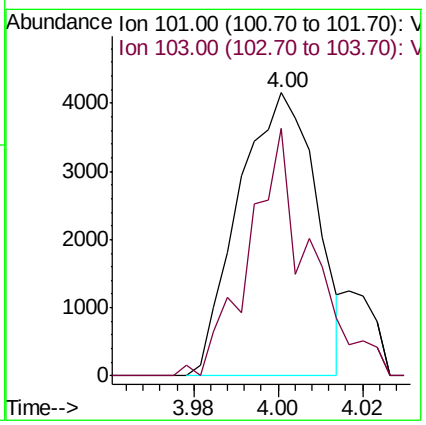


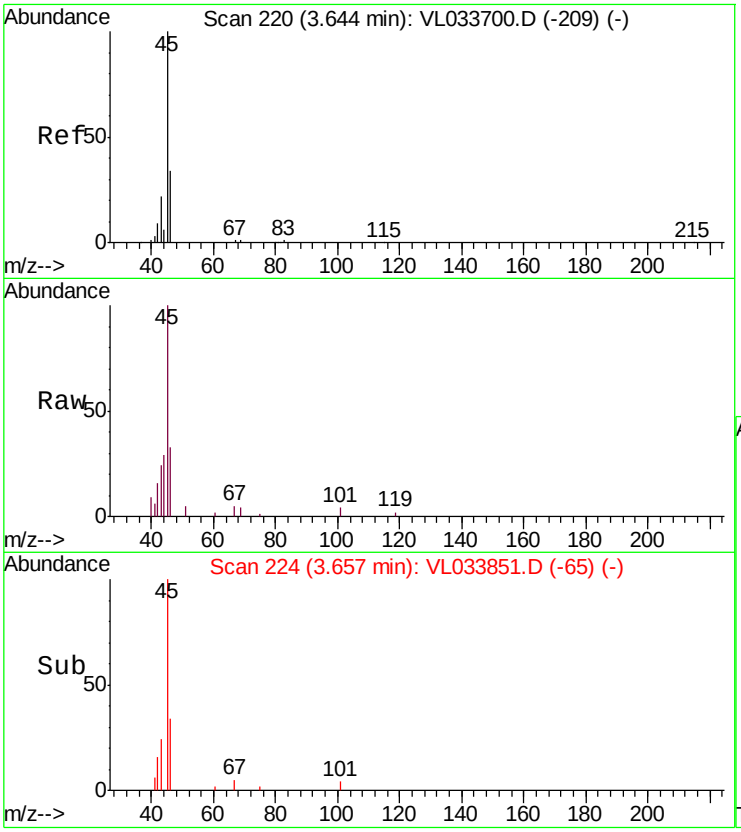


#11
Trichlorofluoromethane
Concen: 0.037 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion:101 Resp: 5293

Ion	Ratio	Lower	Upper
101	100		
103	83.6	52.6	78.8#



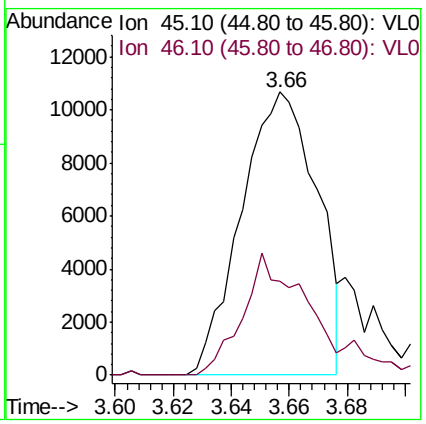


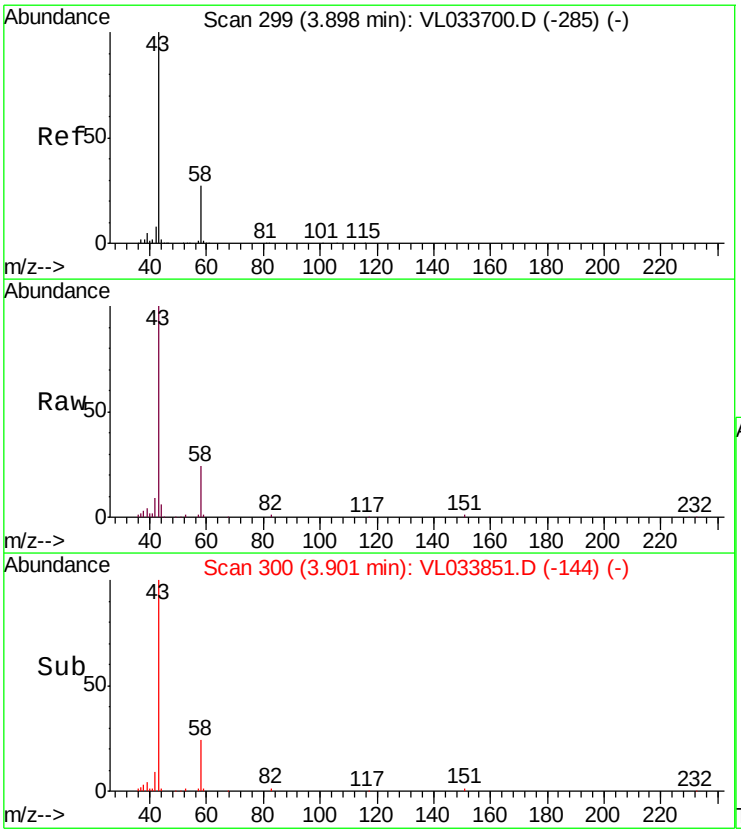
#13
Ethanol
Concen: 1.708 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument :
MSVOA_L
ClientSampleId :
SG-7-20190523-1DL

Tgt Ion: 45 Resp: 19344

Ion	Ratio	Lower	Upper
45	100		
46	40.3	14.8	59.0

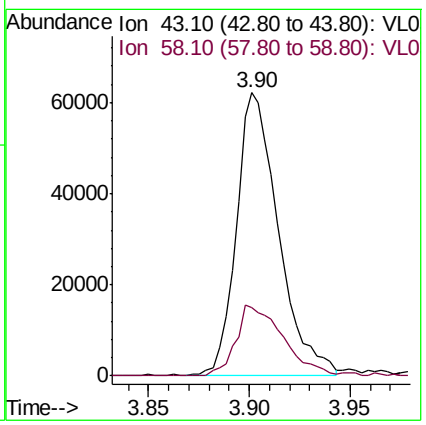


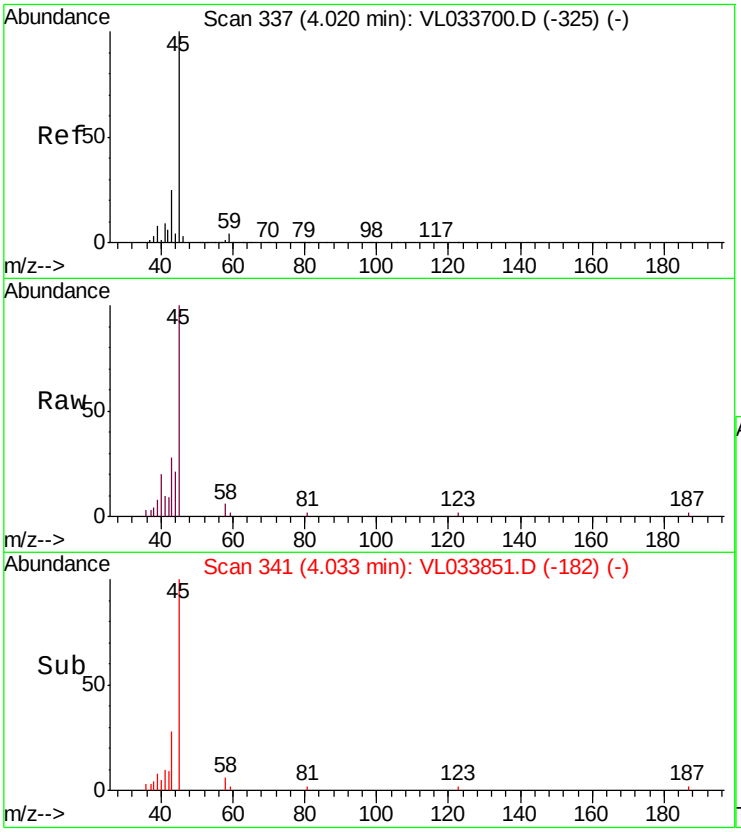


#15
Acetone
Concen: 0.911 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion: 43 Resp: 90912

Ion	Ratio	Lower	Upper
43	100		
58	28.5	21.3	31.9



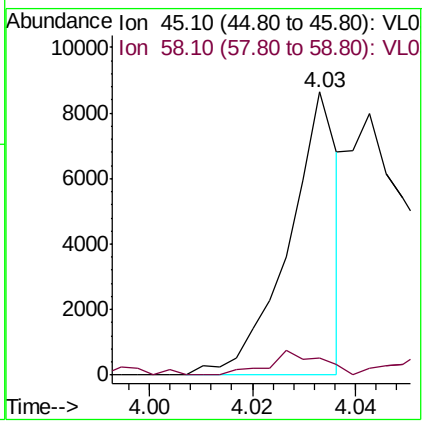


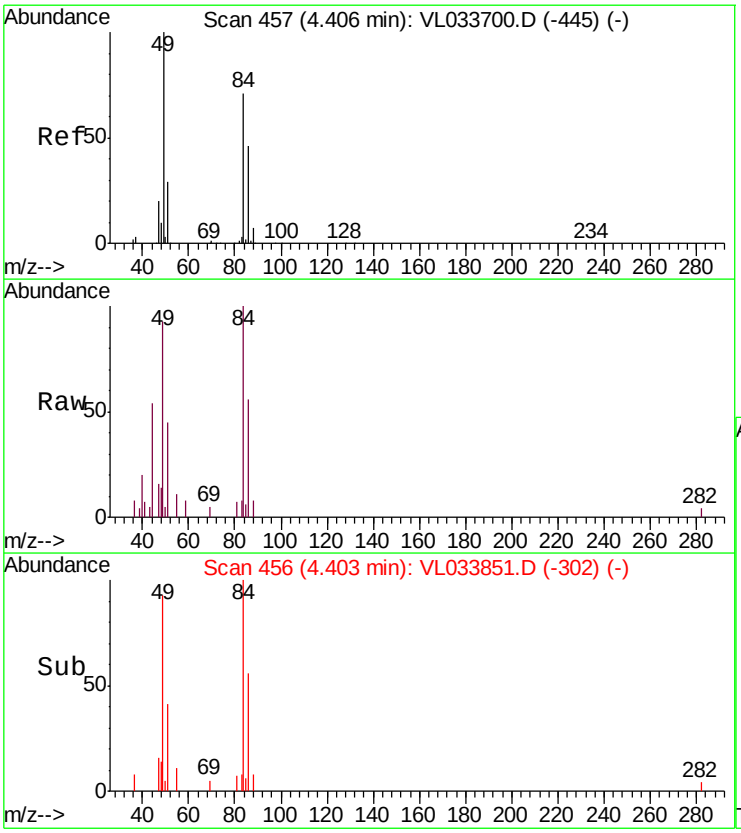
#19
Isopropyl Alcohol
Concen: 0.089 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument : MSVOA_L
ClientSampleId : SG-7-20190523-1DL

Tgt Ion: 45 Resp: 5753

Ion	Ratio	Lower	Upper
45	100		
58	16.0	1.6	2.4#

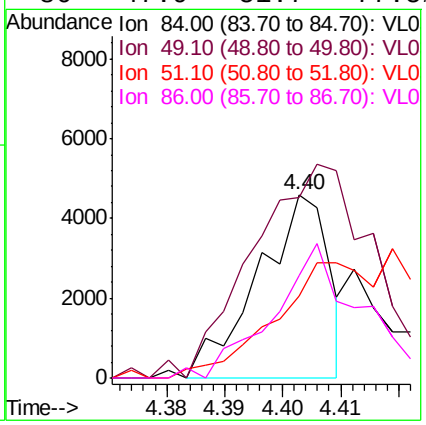


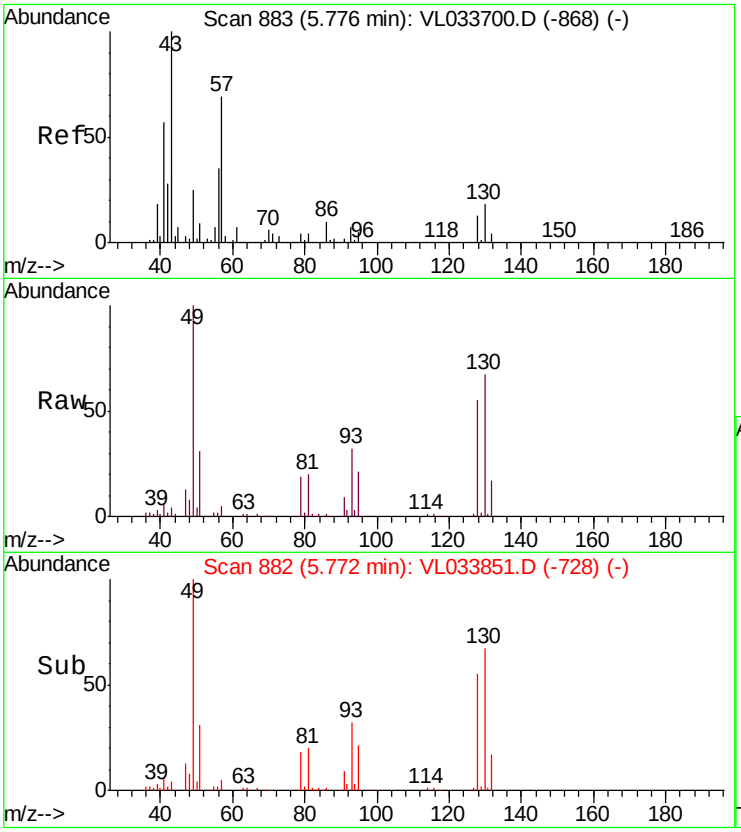


#20
Methylene Chloride
Concen: 0.102 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion: 84 Resp: 3915

Ion	Ratio	Lower	Upper
84	100		
49	93.3	112.8	169.2#
51	37.3	33.4	50.0
86	47.9	51.7	77.5#



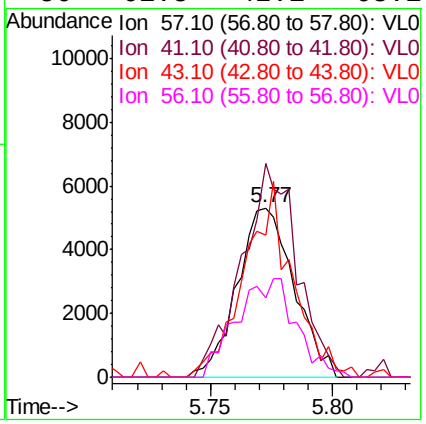


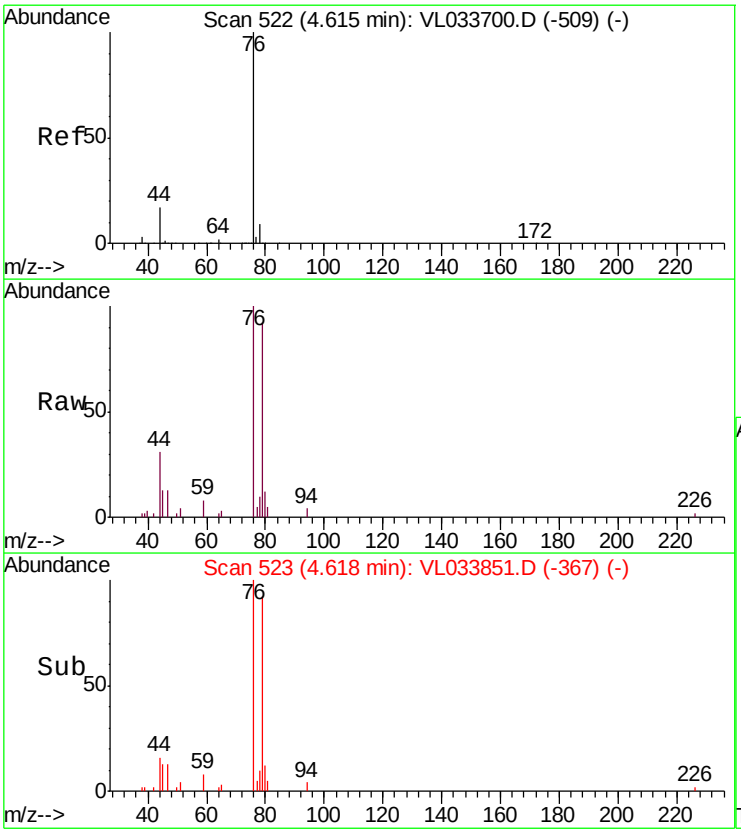
#26
Hexane
Concen: 0.114 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument : MSVOA_L
ClientSampleId : SG-7-20190523-1DL

Tgt Ion: 57 Resp: 8573

Ion	Ratio	Lower	Upper
57	100		
41	122.2	69.8	104.6#
43	99.5	181.8	272.6#
56	61.8	42.1	63.1

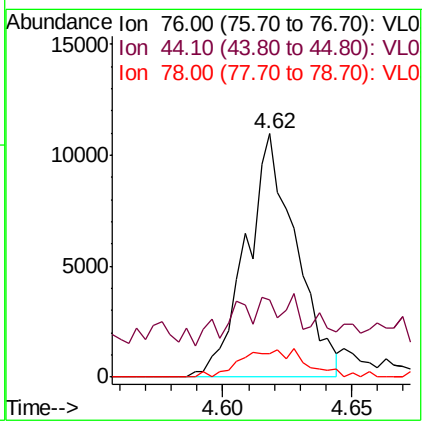


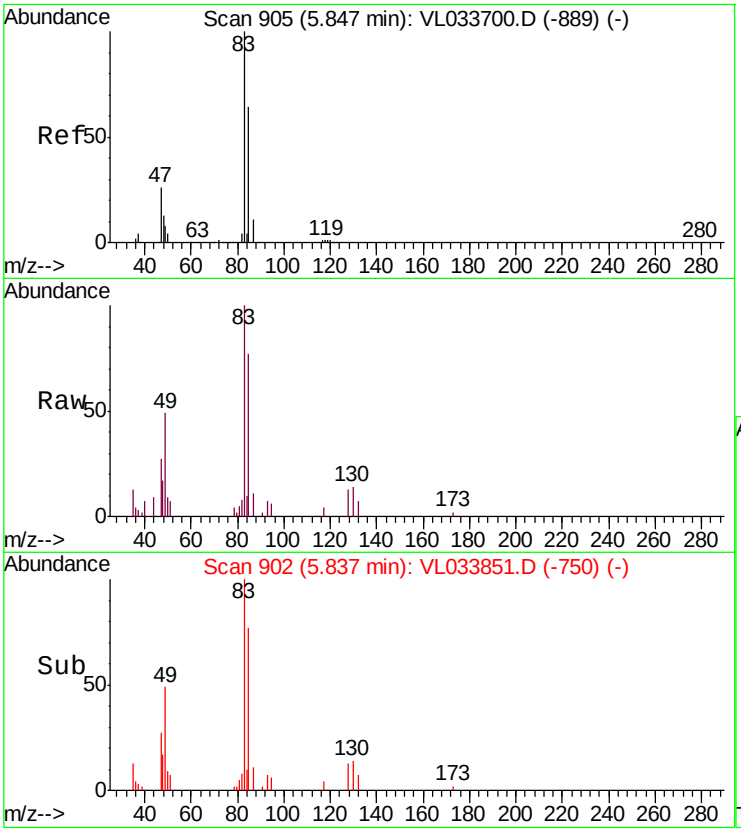


#27
Carbon Disulfide
Concen: 0.144 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion: 76 Resp: 14862

Ion	Ratio	Lower	Upper
76	100		
44	36.7	13.8	20.8#
78	15.0	7.4	11.0#



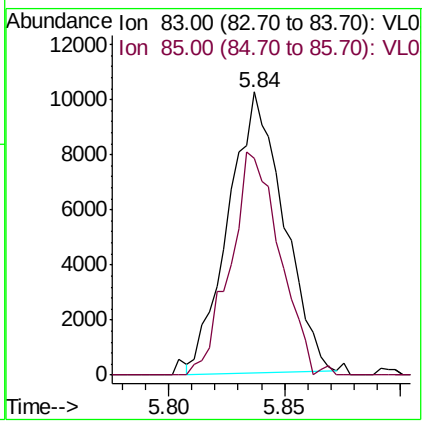


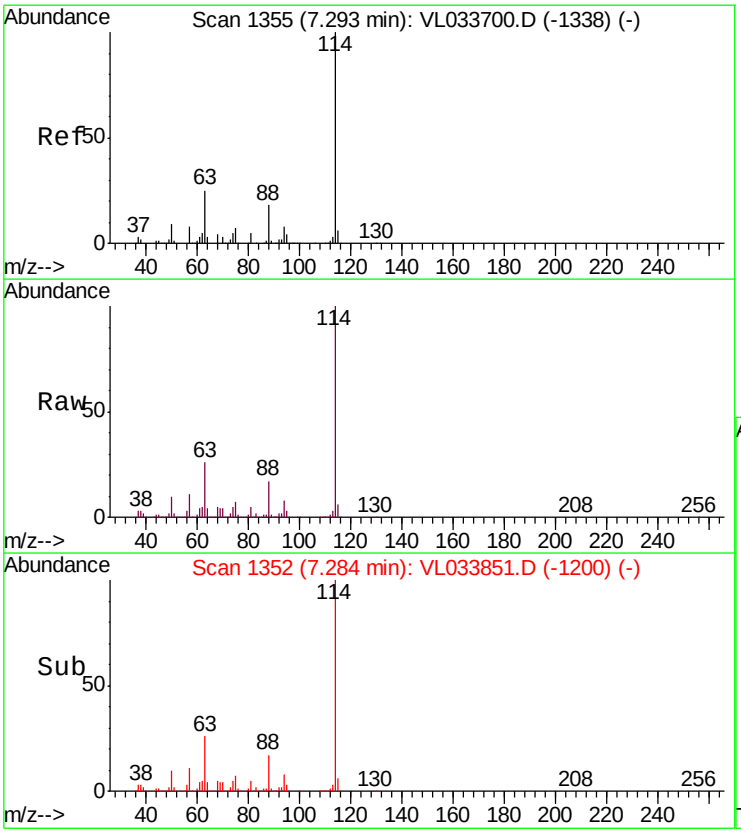
#29
Chloroform
Concen: 0.122 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument :
MSVOA_L
ClientSampleId :
SG-7-20190523-1DL

Tgt Ion: 83 Resp: 16881

Ion	Ratio	Lower	Upper
83	100		
85	78.1	51.5	77.3#

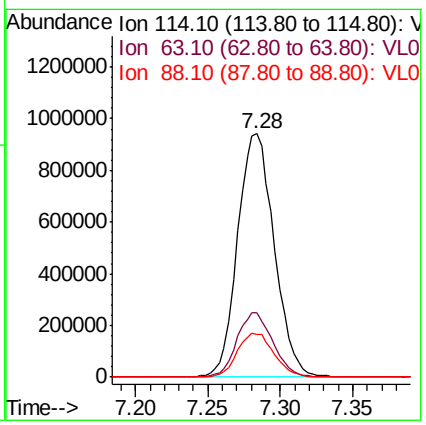


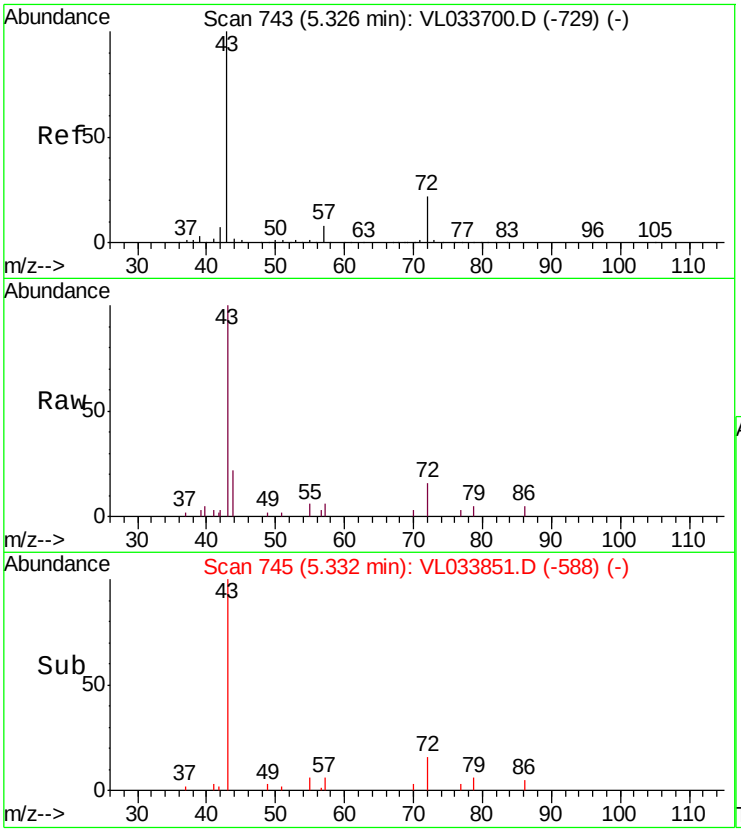


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion:114 Resp: 1654730

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	18.0	14.3	21.5



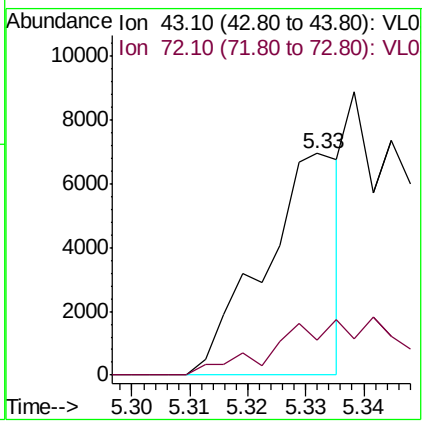


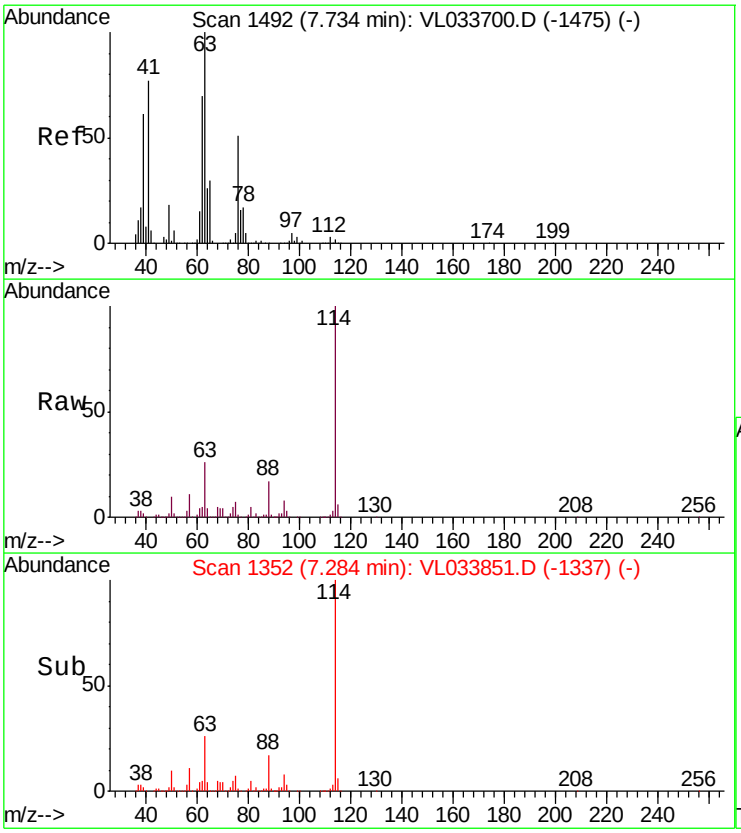
#34
2-Butanone
Concen: 0.062 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument : MSVOA_L
ClientSampleId : SG-7-20190523-1DL

Tgt Ion: 43 Resp: 6370

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#

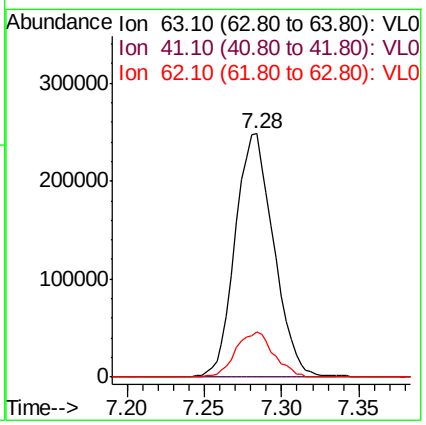


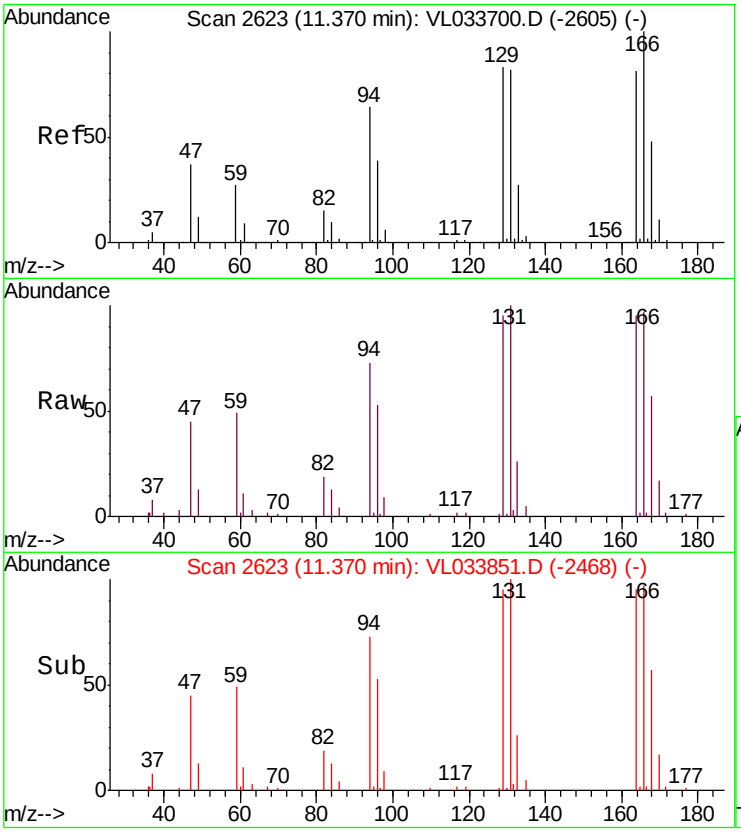


#39
1,2-Dichloropropane
Concen: 7.645 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion: 63 Resp: 429051

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	18.3	56.2	84.4#



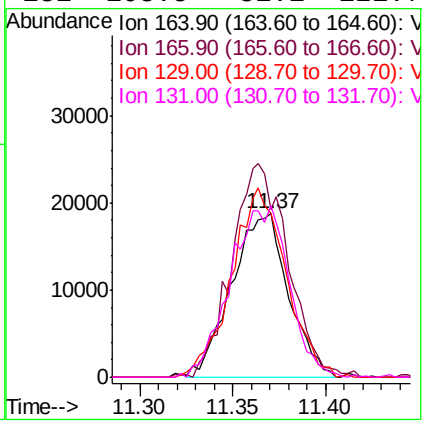


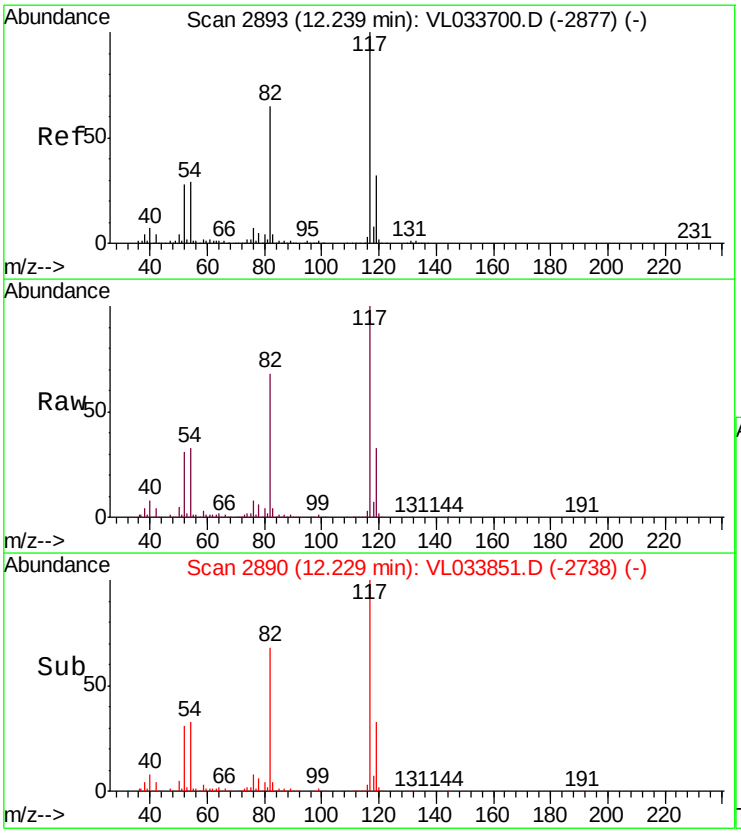
#52
Tetrachloroethene
Concen: 0.752 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument :
MSVOA_L
ClientSampleId :
SG-7-20190523-1DL

Tgt Ion:164 Resp: 39781

Ion	Ratio	Lower	Upper
164	100		
166	102.4	98.9	148.3
129	99.8	81.8	122.6
131	108.5	81.1	121.7

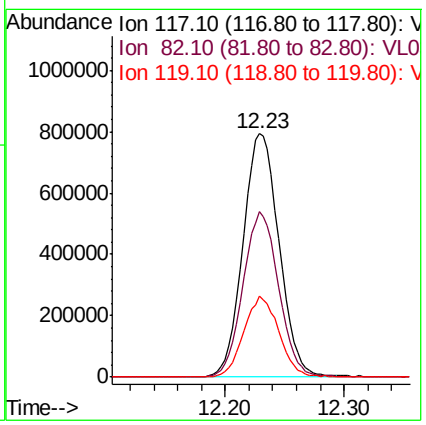


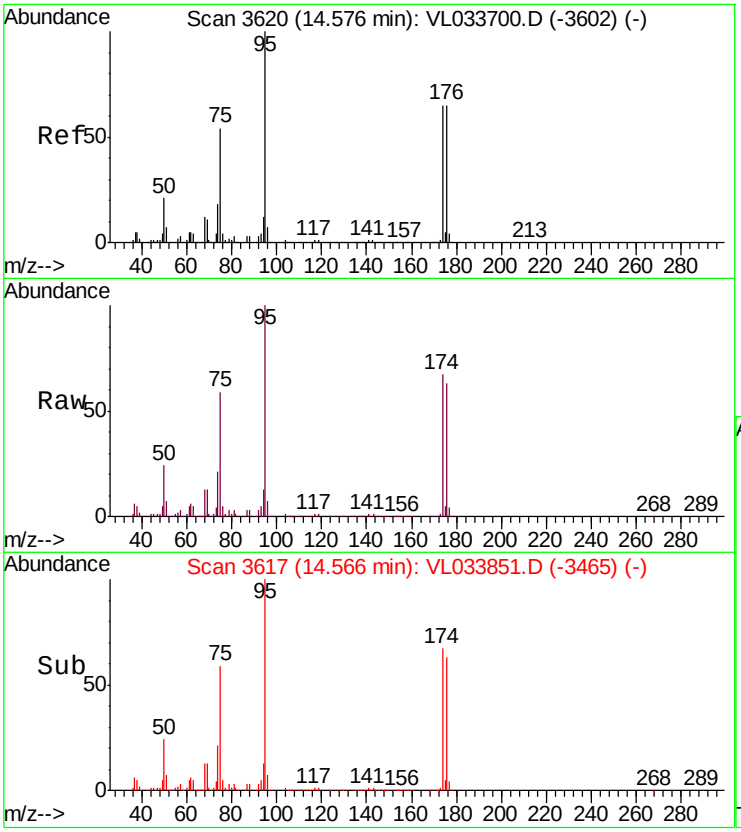


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Tgt Ion:117 Resp: 1665170

Ion	Ratio	Lower	Upper
117	100		
82	67.9	49.4	74.0
119	32.3	24.9	37.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.958 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033851.D
Acq: 30 May 2019 1:34

Instrument :
MSVOA_L
ClientSampleId :
SG-7-20190523-1DL

Tgt Ion: 95 Resp: 1344210

Ion	Ratio	Lower	Upper
95	100		
174	65.6	53.9	80.9
175	4.8	3.8	5.8