Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031231.D
Acq On : 14 Dec 2017 14:32
Operator : SY/AP
Sample : I6907-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 15 05:16:10 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1719323	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	4048516	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	4100719	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	3115522	10.68	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	14556	0.100	ppbv		98
3) Chlorodifluoromethane	3.11	51	13518	0.069	ppbv	#	87
7) Chloroethane	3.72	64	14746	0.365	ppbv		99
9) Propene	3.15	41	34284	0.357	ppbv	#	68
11) Trichlorofluoromethane	4.13	101	27427	0.115	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.69	101	107610	0.643	ppbv		98
13) Ethanol	3.78	45	14882	0.538	ppbv	#	38
15) Acetone	4.05	43	112333	0.495	ppbv	#	80
18) 1,1-Dichloroethene	4.49	96	38120	0.509	ppbv		87
20) Methylene Chloride	4.54	84	13352	0.178	ppbv		96
24) 1,1-Dichloroethane	5.23	63	616368	2.322	ppbv		100
26) Hexane	5.93	57	8043	0.037	ppbv	#	42
32) 1,1,1-Trichloroethane	6.77	97	3780297	11.910	ppbv		100
37) 1,2-Dichloroethane	6.77	62	264215	1.116	ppbv	#	1
39) 1,2-Dichloropropane	7.45	63	980269	6.462	ppbv	#	27
44) 2,2,4-Trimethylpentane	8.15	57	25496	0.039	ppbv	#	86
53) Toluene	10.12	91	14306	0.031	ppbv	#	46

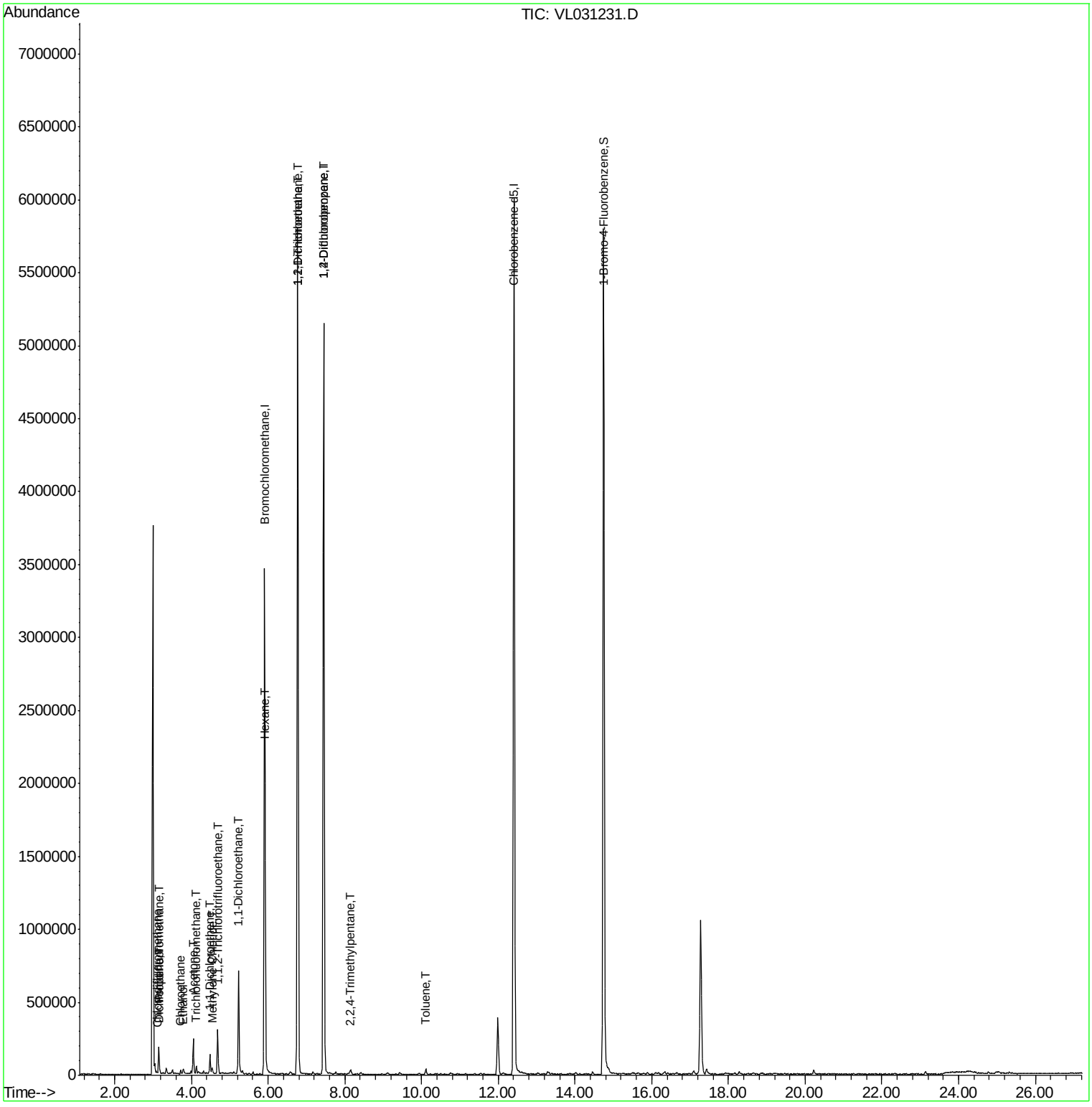
(#) = qualifier out of range (m) = manual integration (+) = signals summed

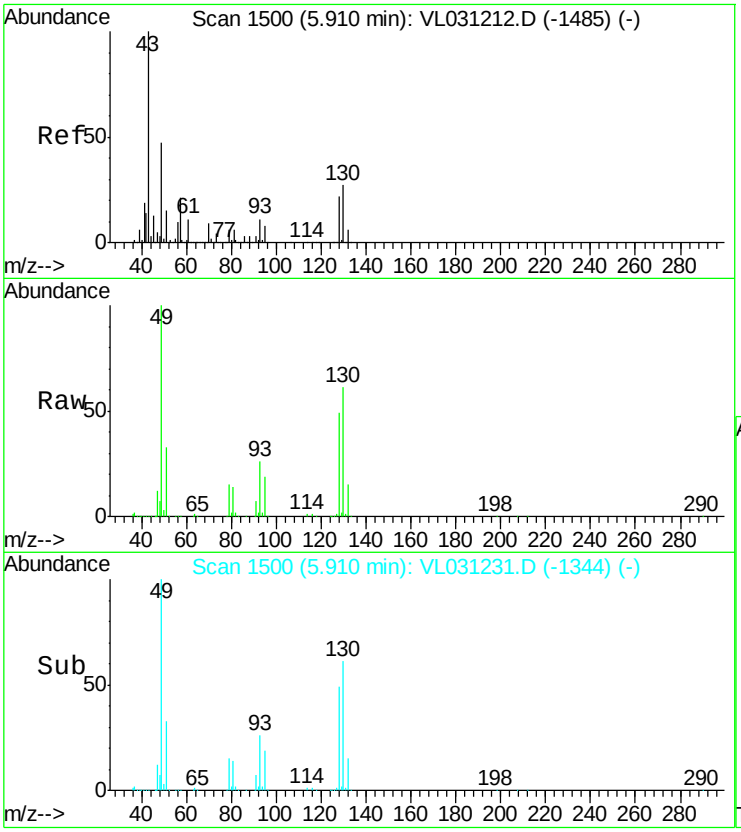
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL121317\
Data File : VL031231.D
Acq On : 14 Dec 2017 14:32
Operator : SY/AP
Sample : I6907-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 15 05:16:10 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration



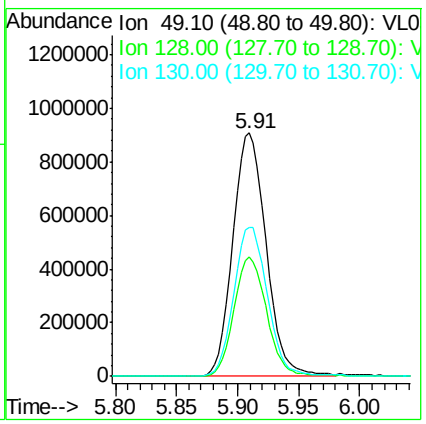


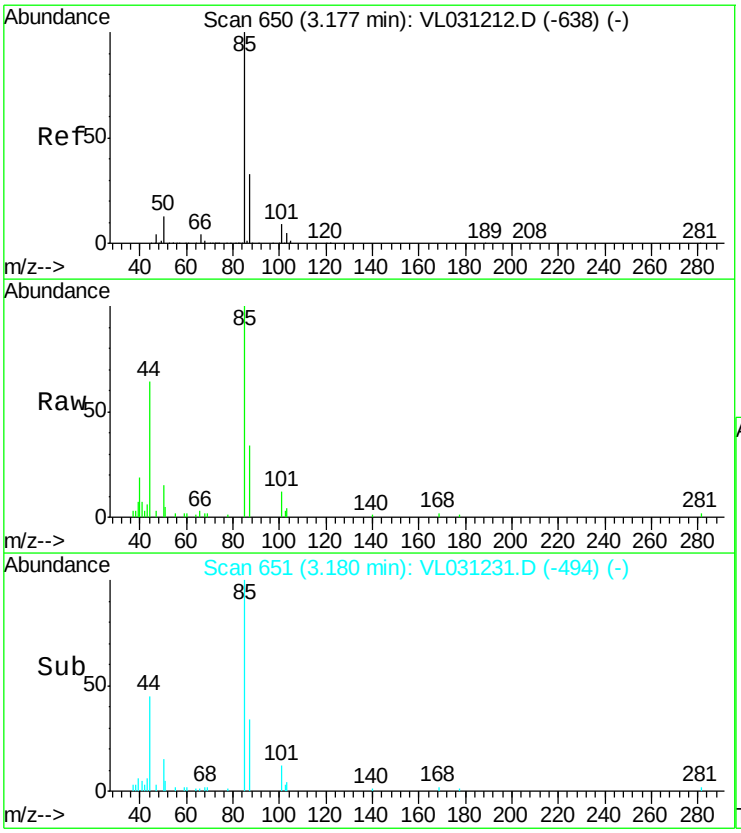
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1719323

Ion	Ratio	Lower	Upper
49	100		
128	48.6	23.2	69.5
130	62.5	29.6	88.8

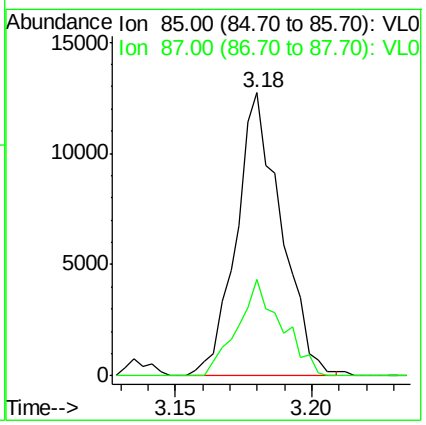


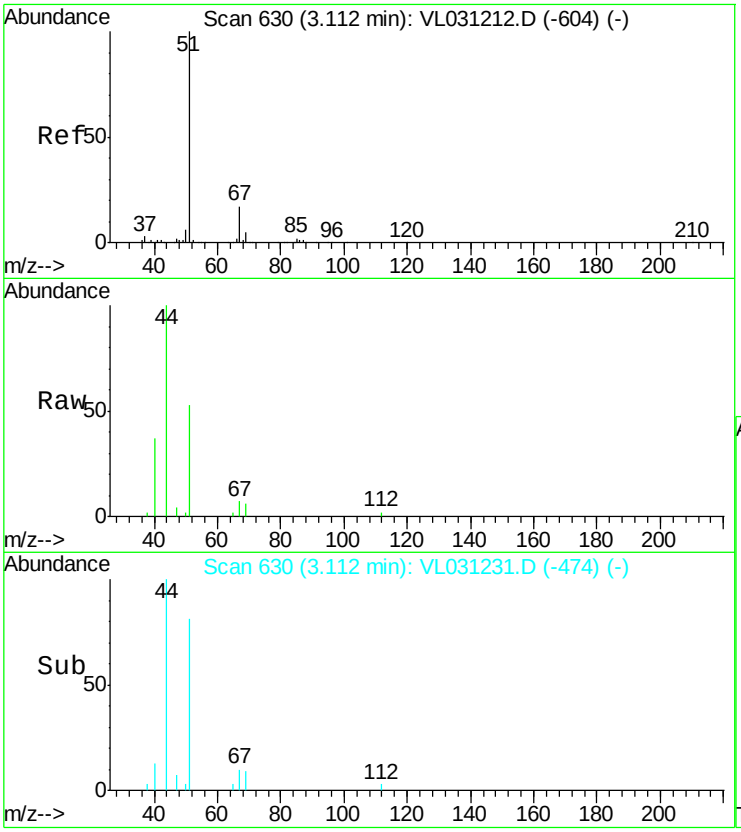


#2
Dichlorodifluoromethane
Concen: 0.100 ppbv
RT: 3.18 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 85 Resp: 14556

Ion	Ratio	Lower	Upper
85	100		
87	33.9	26.2	39.2



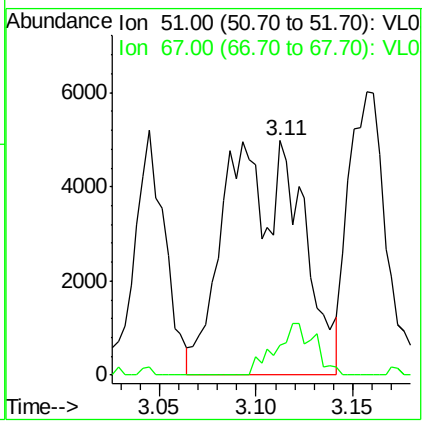


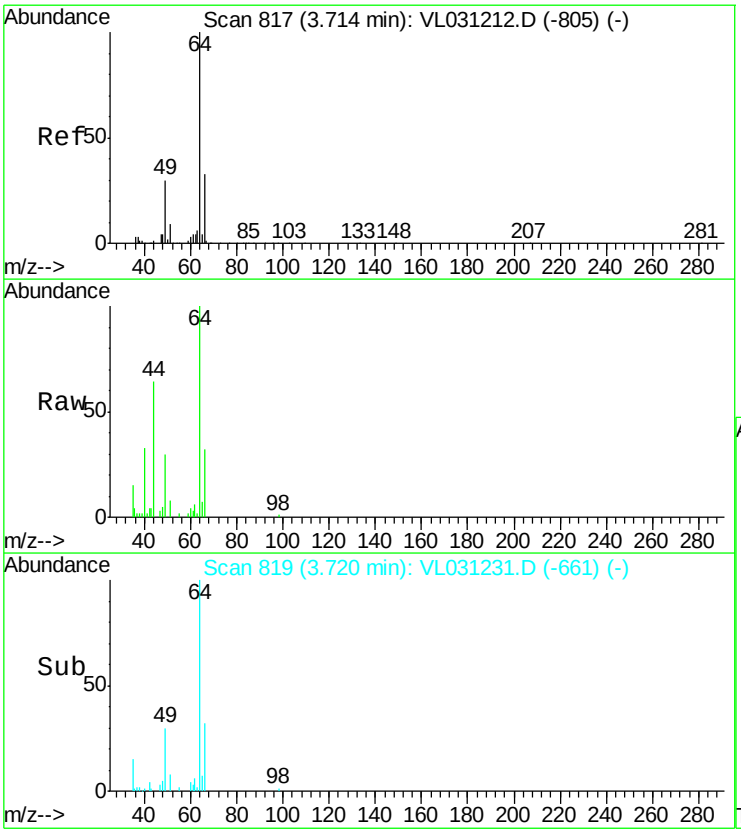
#3
Chlorodifluoromethane
Concen: 0.069 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 13518

Ion	Ratio	Lower	Upper
51	100		
67	11.4	13.8	20.6#

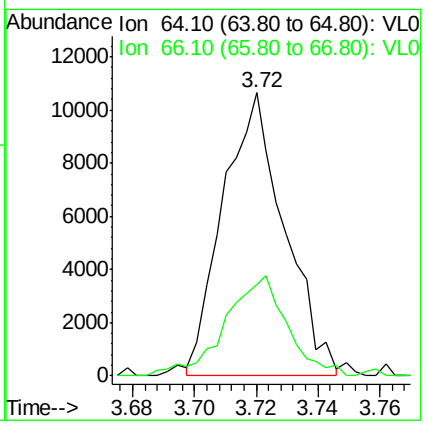


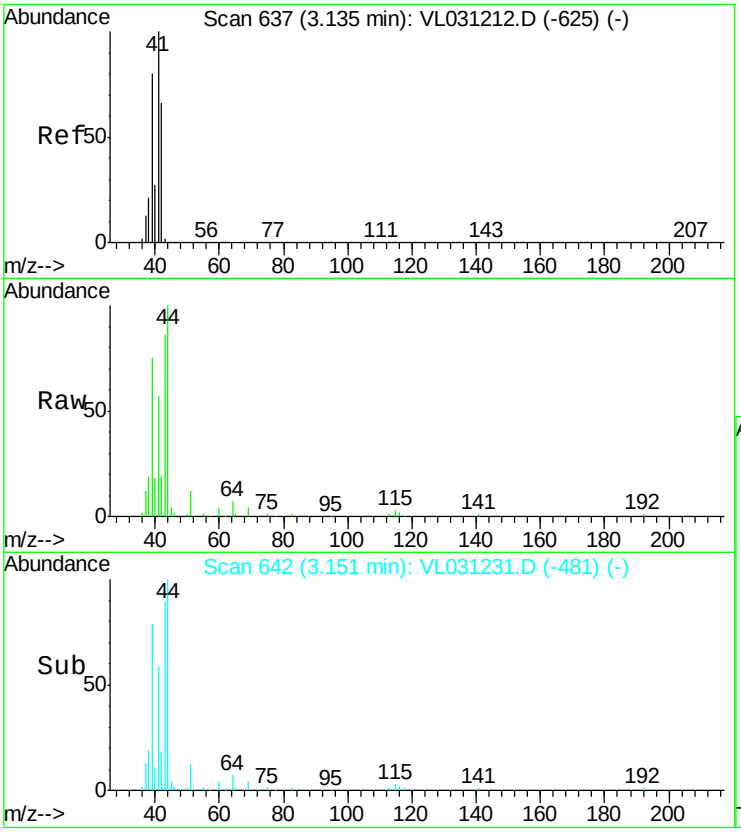


#7
Chloroethane
Concen: 0.365 ppbv
RT: 3.72 min Scan# 819
Delta R.T. 0.01 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 64 Resp: 14746

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.2	39.2



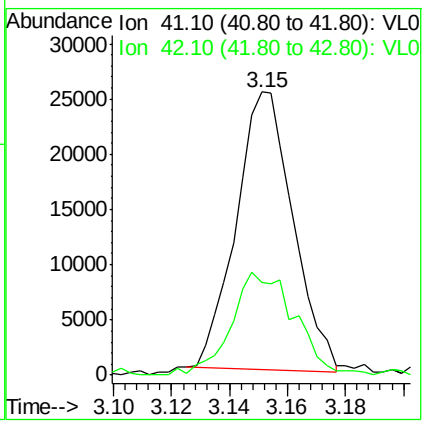


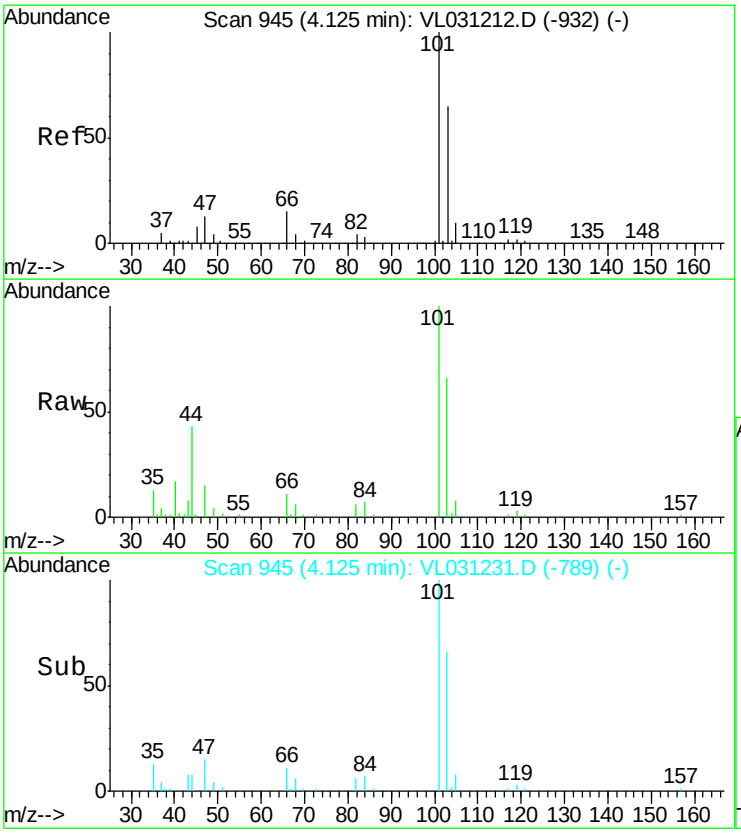
#9
Propene
Concen: 0.357 ppbv
RT: 3.15 min Scan# 642
Delta R.T. 0.02 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 34284

Ion	Ratio	Lower	Upper
41	100		
42	42.4	54.3	81.5#

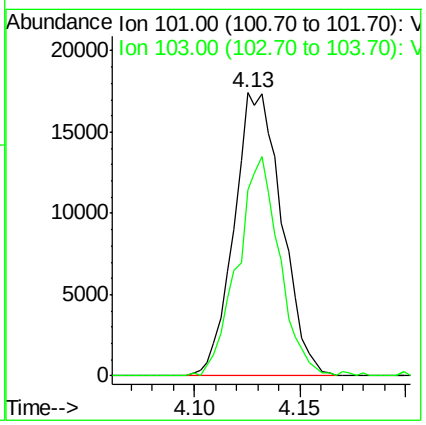


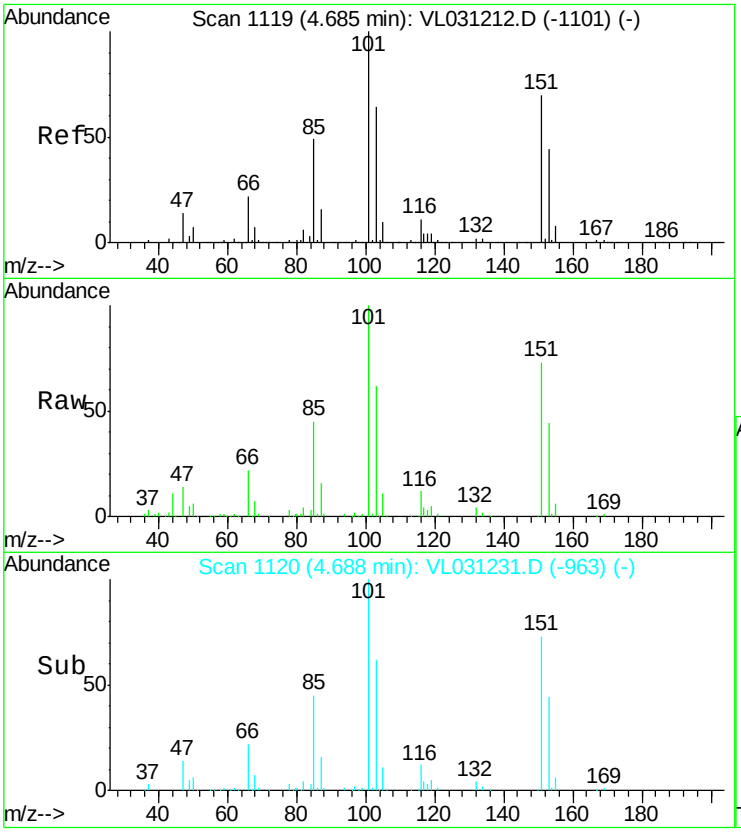


#11
Trichlorofluoromethane
Concen: 0.115 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion:101 Resp: 27427

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.8



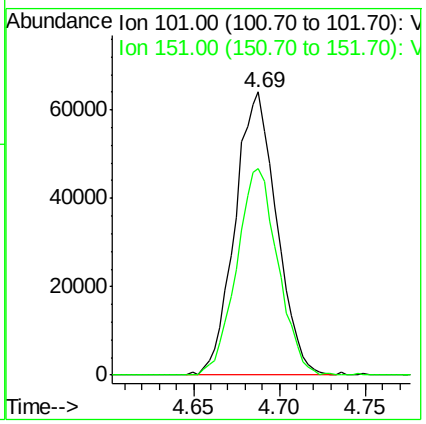


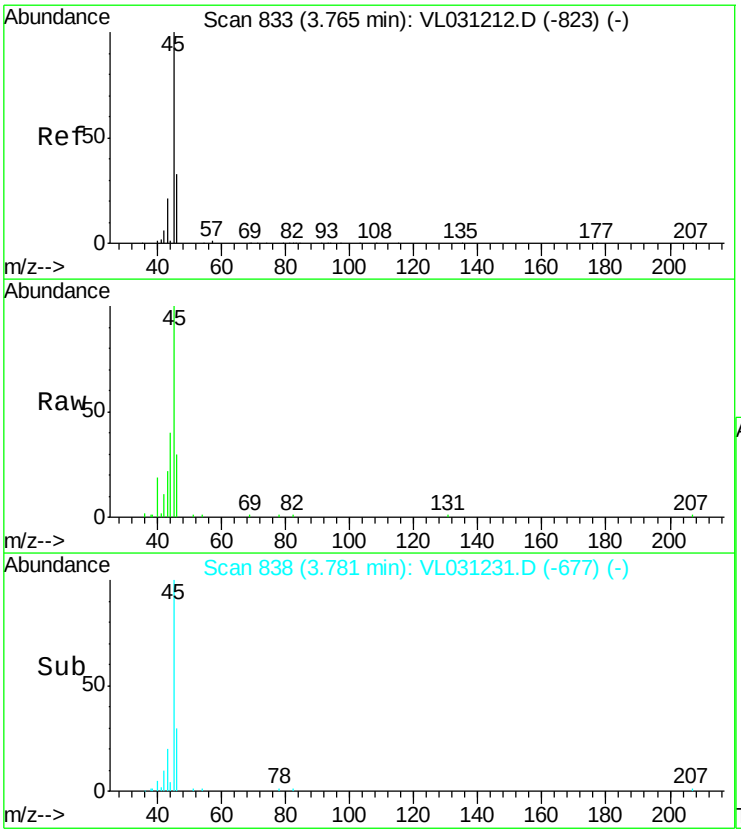
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.643 ppbv
RT: 4.69 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 107610

Ion	Ratio	Lower	Upper
101	100		
151	72.4	56.5	84.7

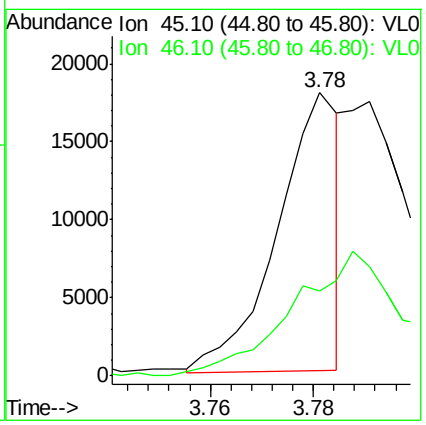


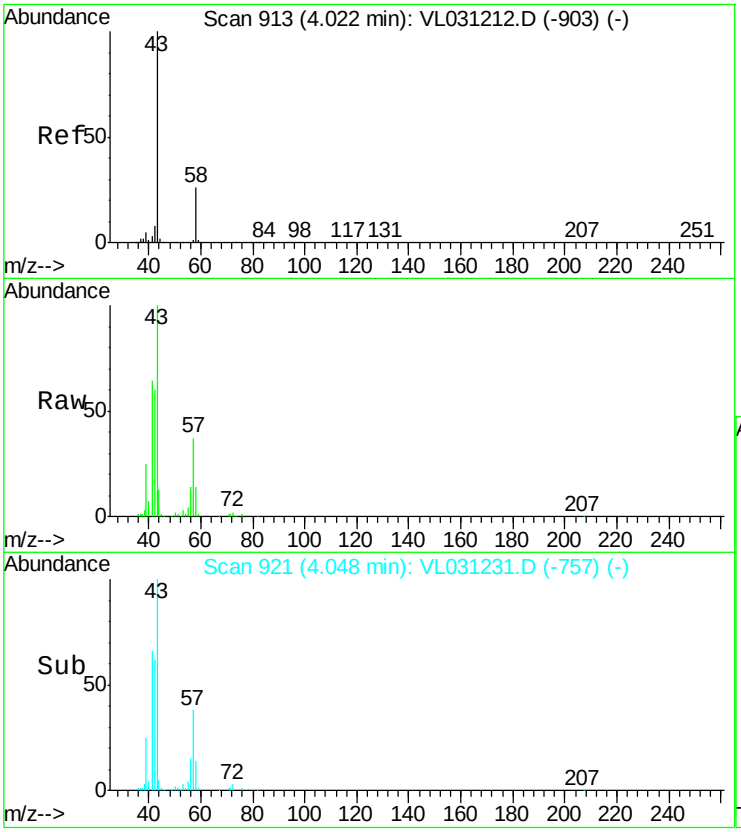


#13
Ethanol
Concen: 0.538 ppbv
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 45 Resp: 14882

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.6	58.4#



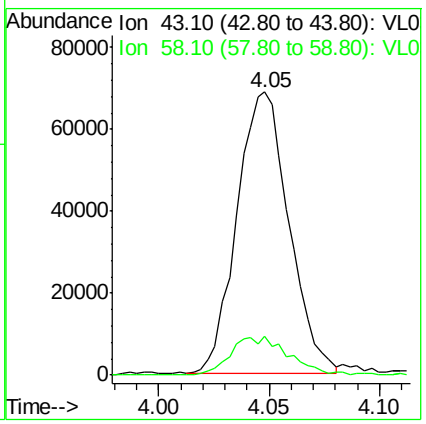


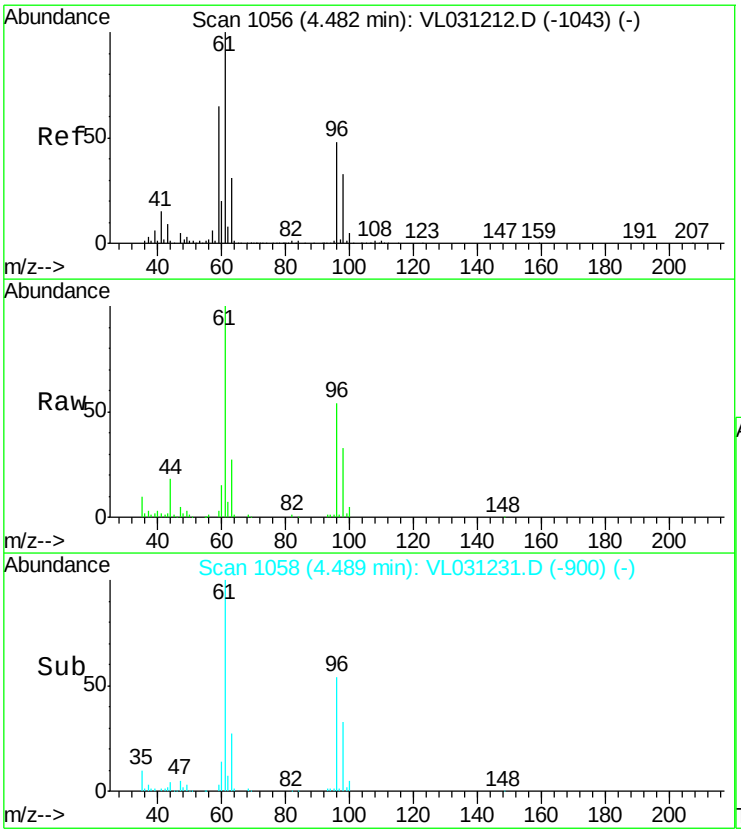
#15
Acetone
Concen: 0.495 ppbv
RT: 4.05 min Scan# 921
Delta R.T. 0.03 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 112333

Ion	Ratio	Lower	Upper
43	100		
58	15.6	20.3	30.5#

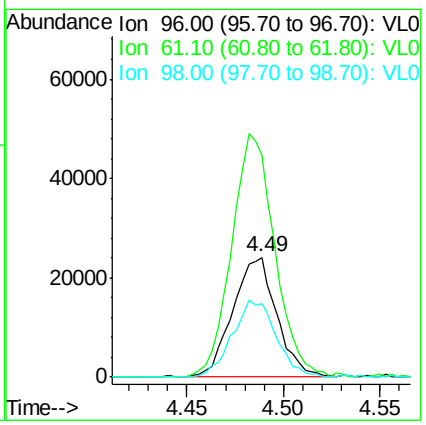


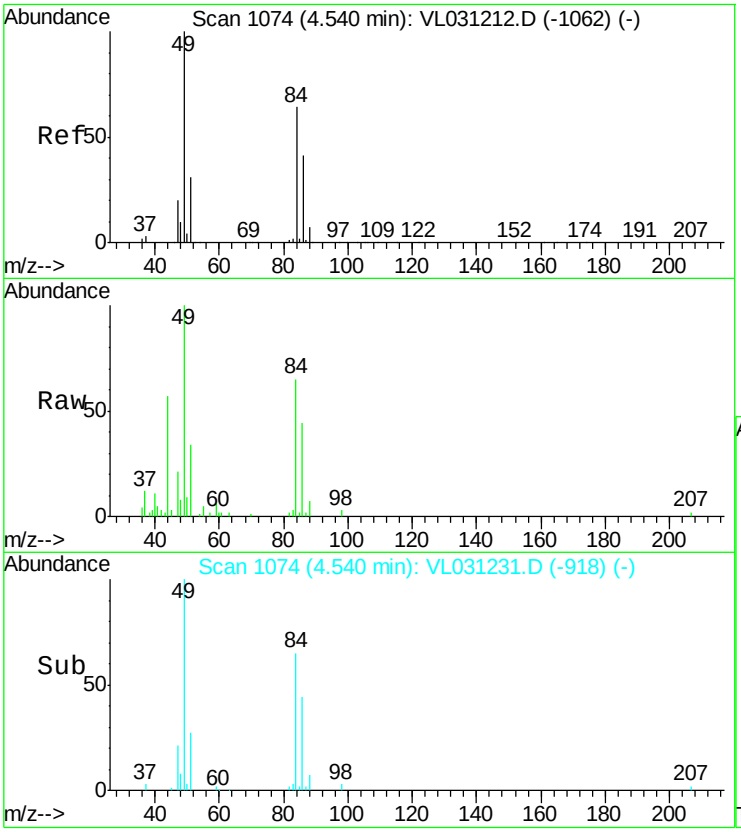


#18
1,1-Dichloroethene
Concen: 0.509 ppbv
RT: 4.49 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 96 Resp: 38120

Ion	Ratio	Lower	Upper
96	100		
61	185.9	166.8	250.2
98	61.9	55.0	82.6



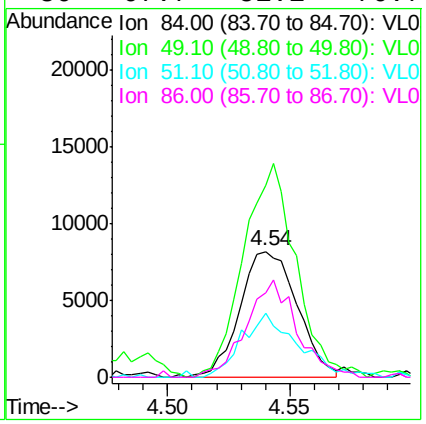


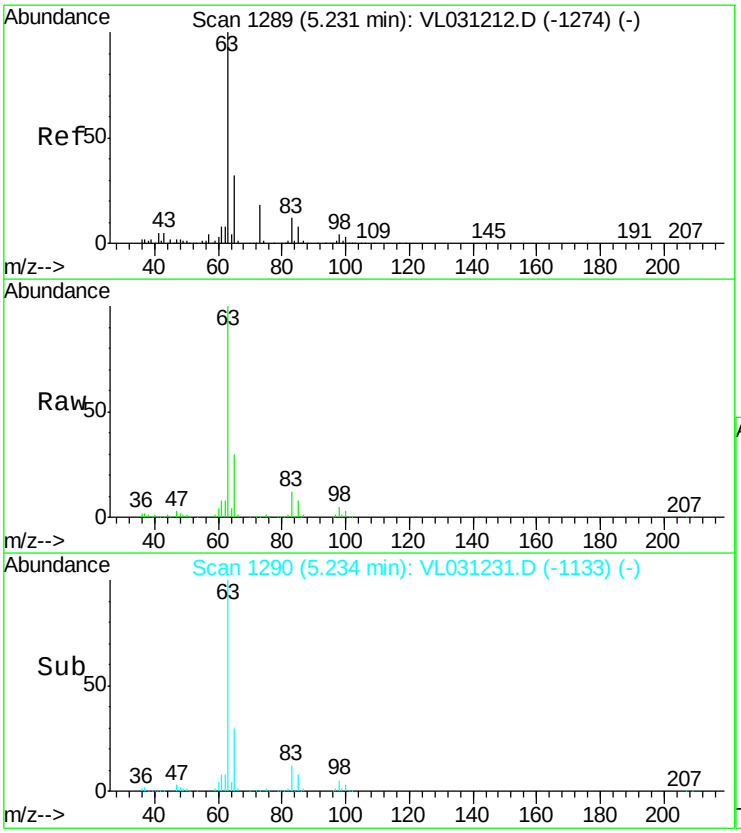
#20
Methylene Chloride
Concen: 0.178 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 13352

Ion	Ratio	Lower	Upper
84	100		
49	152.7	125.8	188.6
51	46.9	39.3	58.9
86	67.7	51.1	76.7

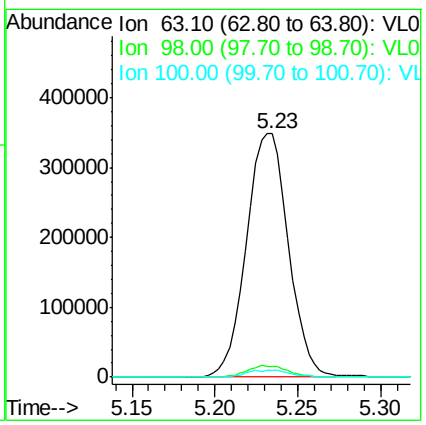


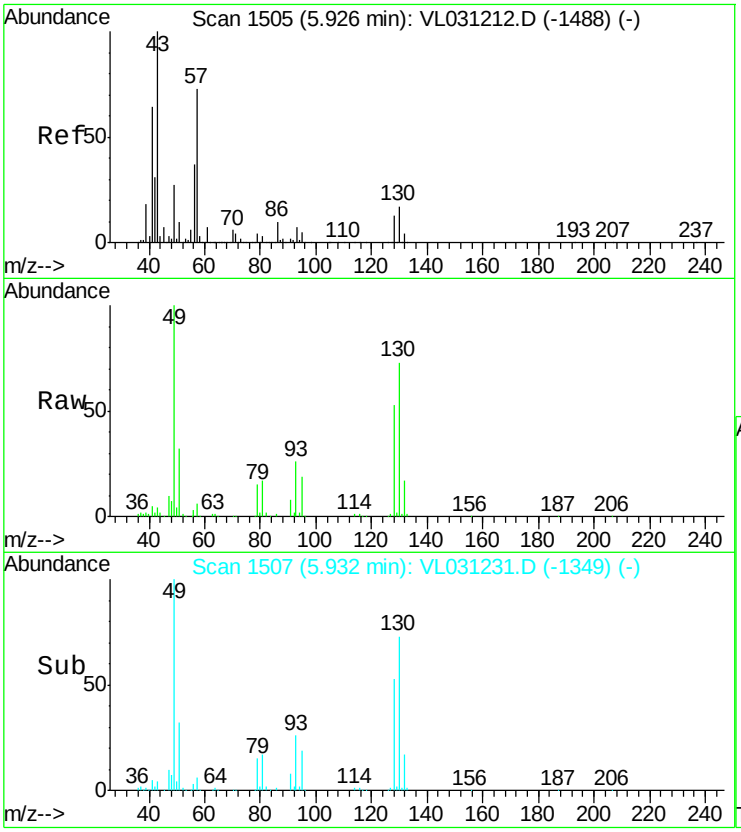


#24
1,1-Dichloroethane
Concen: 2.322 ppbv
RT: 5.23 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 63 Resp: 616368

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.7	1.4	4.2



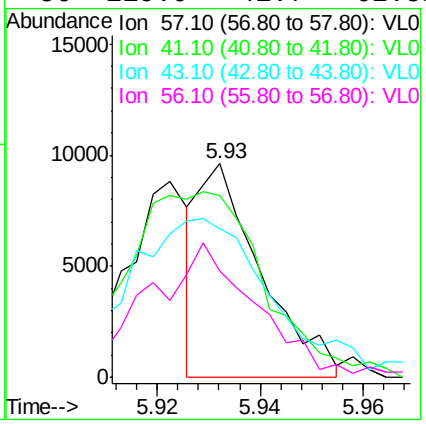


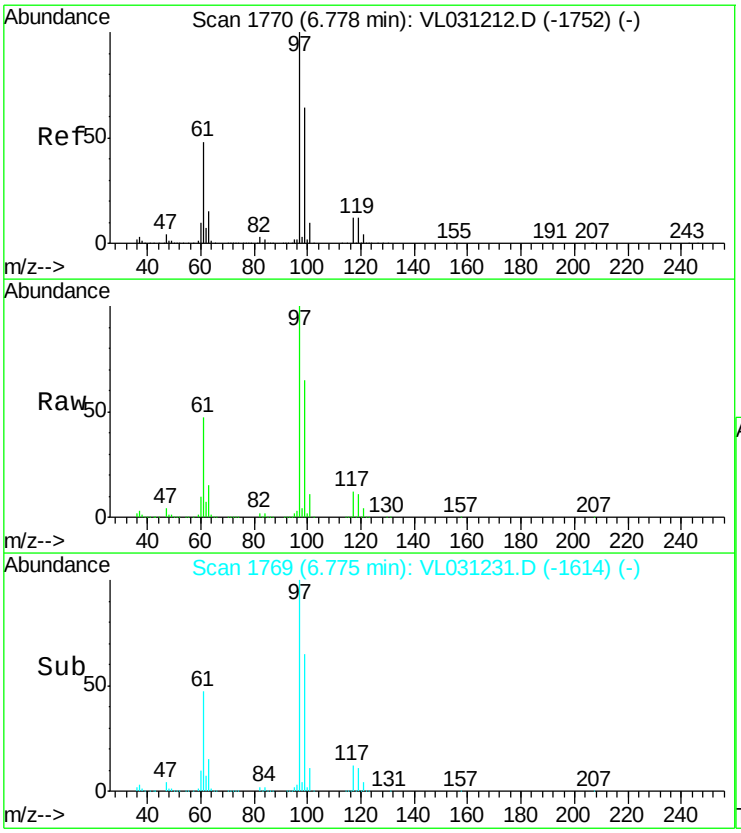
#26
Hexane
Concen: 0.037 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. 0.01 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 8043

Ion	Ratio	Lower	Upper
57	100		
41	211.4	70.3	105.5#
43	188.1	173.8	260.8
56	119.9	41.7	62.5#

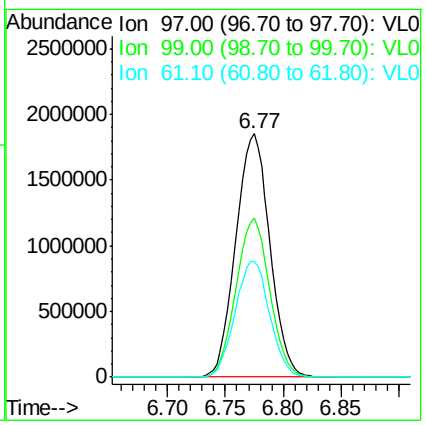


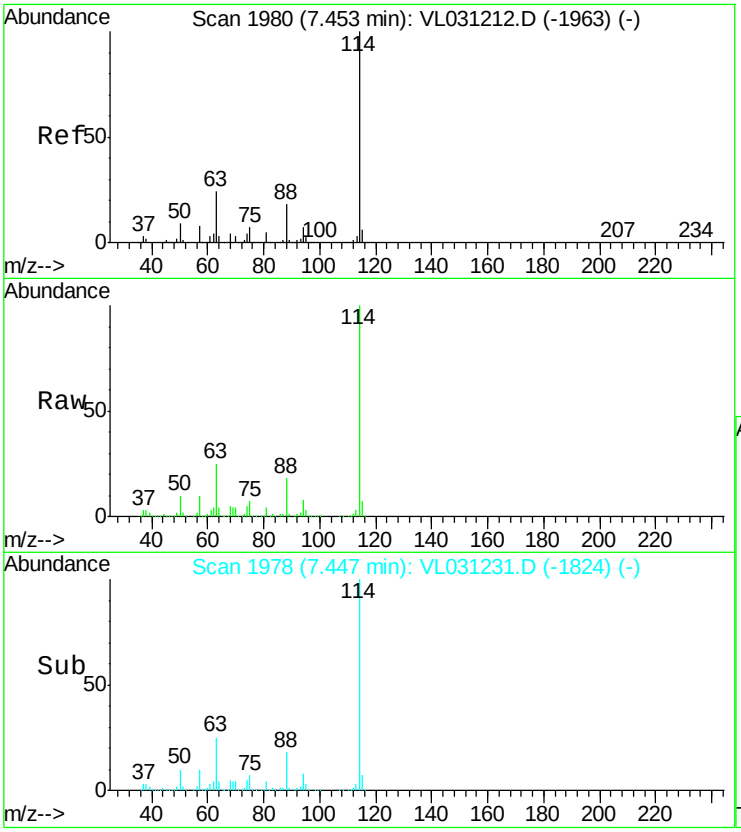


#32
1,1,1-Trichloroethane
Concen: 11.910 ppbv
RT: 6.77 min Scan# 1769
Delta R.T. -0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 97 Resp: 3780297

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	48.2	38.4	57.6



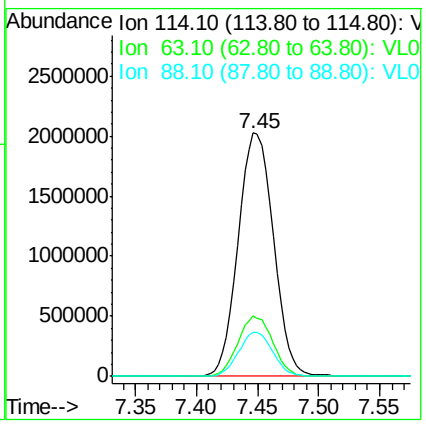


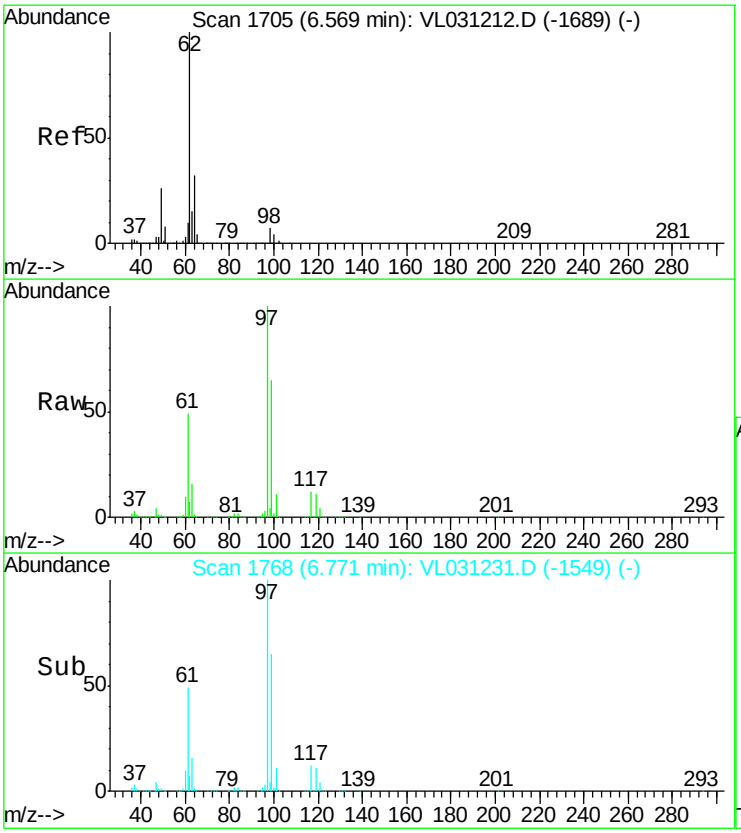
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4048516

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.8	29.8
88	17.6	14.2	21.4

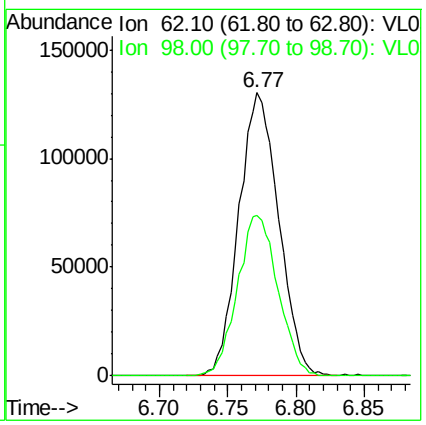


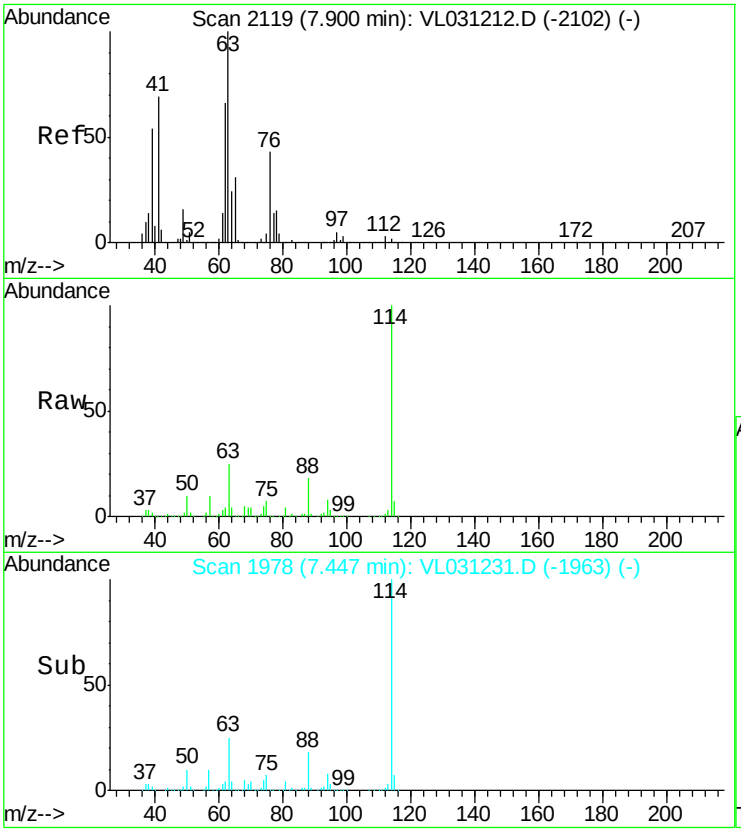


#37
1,2-Dichloroethane
Concen: 1.116 ppbv
RT: 6.77 min Scan# 1768
Delta R.T. 0.20 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 62 Resp: 264215

Ion	Ratio	Lower	Upper
62	100		
98	57.6	5.4	8.2#



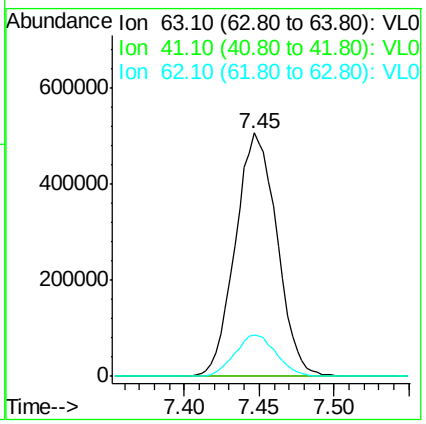


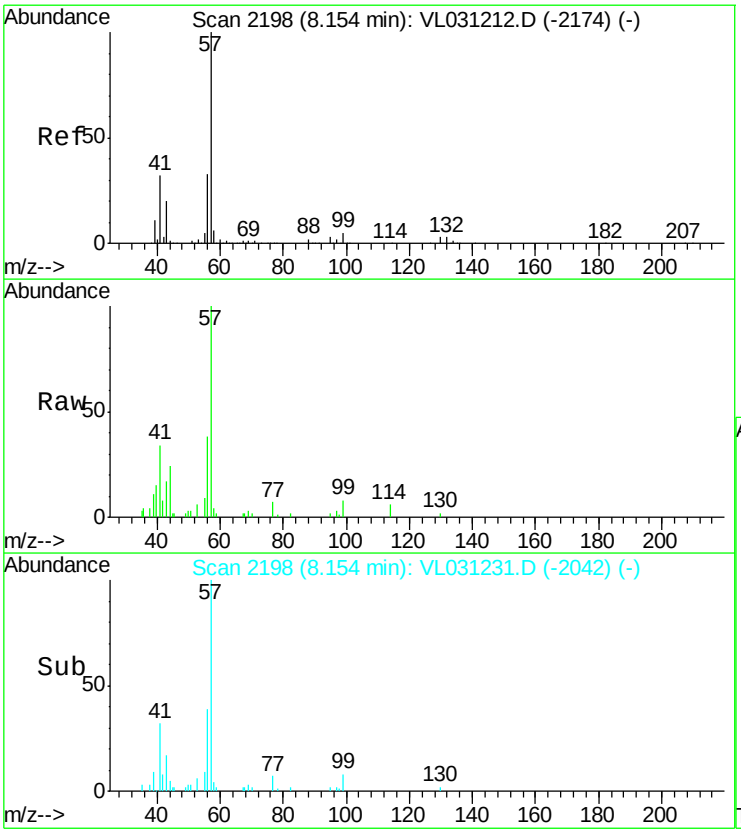
#39
1,2-Dichloropropane
Concen: 6.462 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.45 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 980269

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.2	82.8#
62	17.1	53.0	79.4#

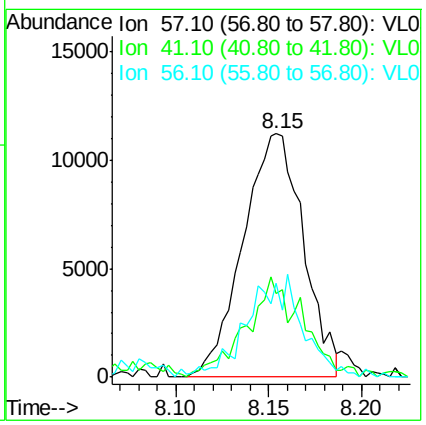


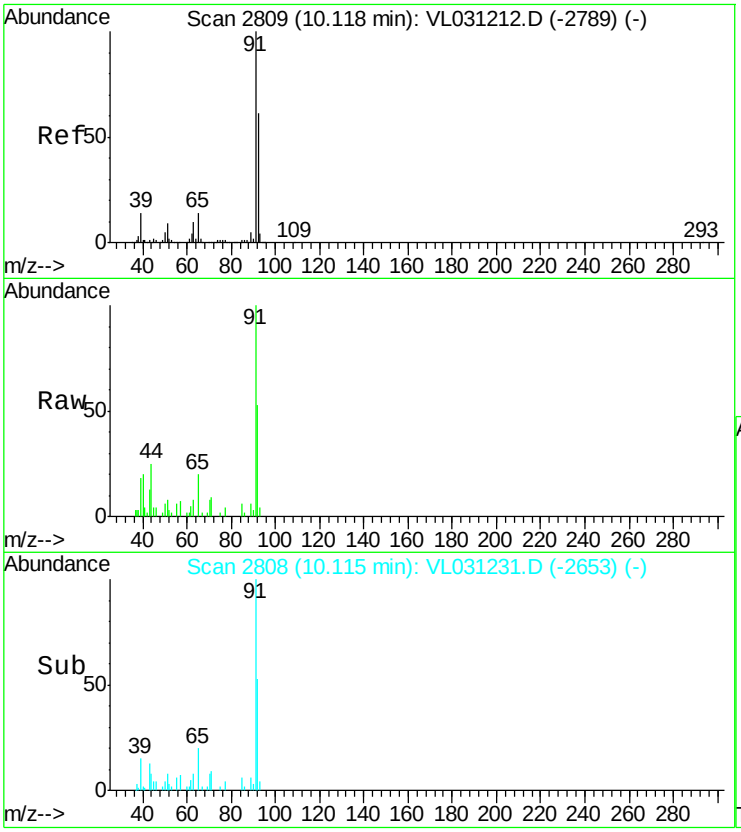


#44
2,2,4-Trimethylpentane
Concen: 0.039 ppbv
RT: 8.15 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion: 57 Resp: 25496

Ion	Ratio	Lower	Upper
57	100		
41	39.8	25.5	38.3#
56	38.7	25.0	37.6#



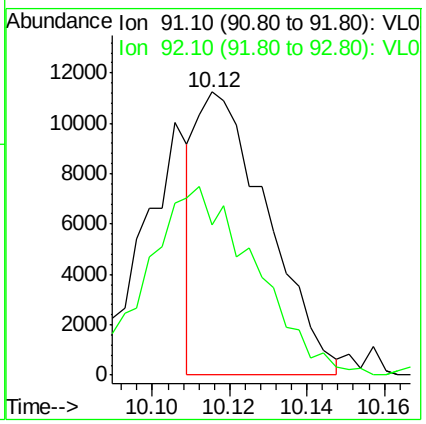


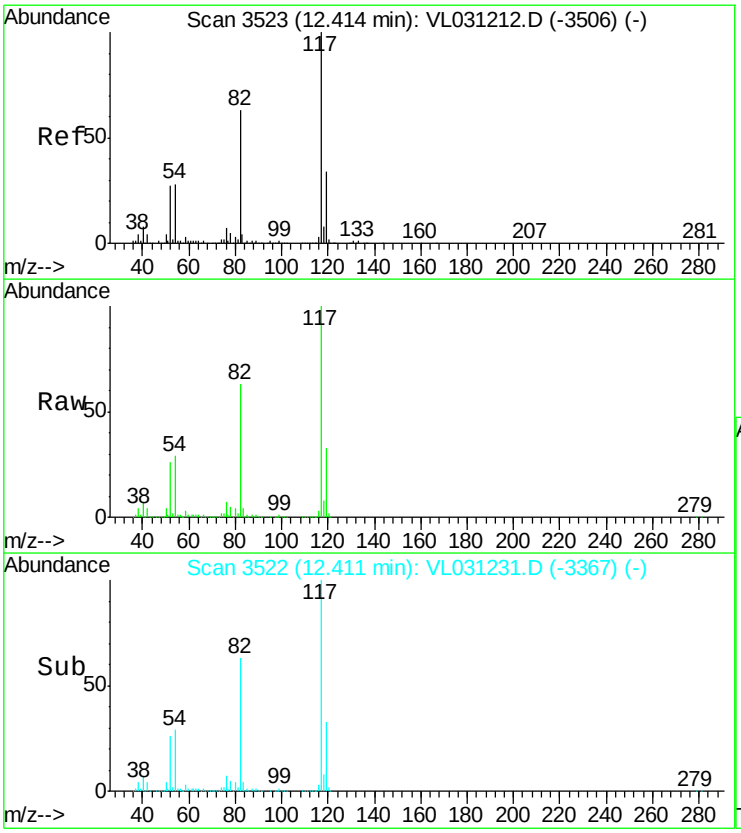
#53
Toluene
Concen: 0.031 ppbv
RT: 10.12 min Scan# 2808
Delta R.T. -0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 14306

Ion	Ratio	Lower	Upper
91	100		
92	102.8	49.1	73.7#

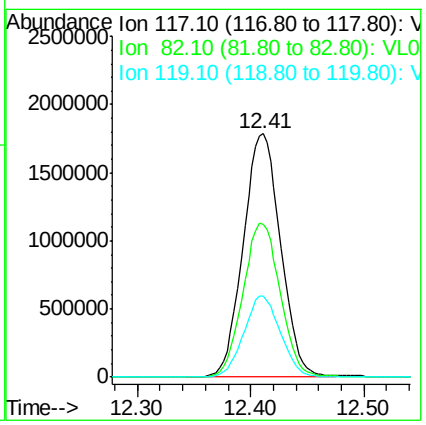


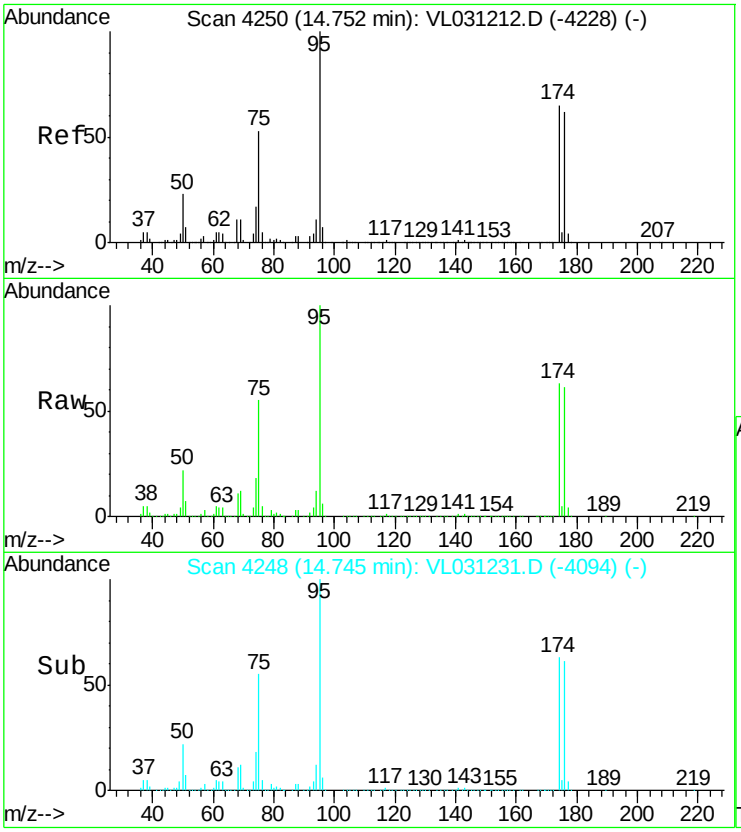


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion:117 Resp: 4100719

Ion	Ratio	Lower	Upper
117	100		
82	63.5	48.1	72.1
119	32.8	23.1	34.7





#68
1-Bromo-4-Fluorobenzene
Concen: 10.681 ppbv
RT: 14.75 min Scan# 4248
Delta R.T. -0.01 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 3115522

Ion	Ratio	Lower	Upper
95	100		
174	63.9	52.5	78.7
175	4.8	4.1	6.1