Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

Quantitation Report (Not Reviewed)

Data File : VL032383.D
Acq On : 16 Aug 2018 19:02
Operator : SY/AP
Sample : J4266-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1000DL

Quant Time: Aug 17 03:18:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1825627	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3637997	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3532933	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.64	95	3003464	11.14	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 111.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	2458	Below Cal		99
5) Vinyl Chloride	3.33	62	400817	4.178	ppbv	96
7) Chloroethane	3.33	64	128268	3.812	ppbv #	44
9) Propene	3.08	41	2604	0.036	ppbv	99
13) Ethanol	3.70	45	21816	1.174	ppbv #	36
15) Acetone	3.96	43	99805	0.575	ppbv	100
20) Methylene Chloride	4.46	84	159077	2.428	ppbv	97
25) Ethyl Acetate	5.83	43	23037	0.062	ppbv #	81
26) Hexane	5.83	57	26909	0.162	ppbv #	43
29) Chloroform	5.90	83	1250992	5.151	ppbv	99
36) Benzene	7.06	78	953059	3.090	ppbv	99
37) 1,2-Dichloroethane	6.47	62	580444	3.102	ppbv	98
39) 1,2-Dichloropropane	7.79	63	643941	4.998	ppbv	98
52) Tetrachloroethene	11.44	164	337991	3.716	ppbv	98
54) 1,2-Dibromoethane	10.83	107	1038818	5.704	ppbv	99
57) Chlorobenzene	12.37	112	809355	3.043	ppbv	97
60) o-Xylene	13.92	91	831856	2.344	ppbv	96
65) tert-Butylbenzene	17.16	119	40942	0.095	ppbv #	27
67) sec-Butylbenzene	17.20	105	20106	0.031	ppbv	95
77) 1,2-Dichlorobenzene	18.05	146	937821	4.031	ppbv	99
78) Hexachloro-1,3-Butadiene	23.60	225	2788	0.036	ppbv #	72
79) Naphthalene	22.49	128	5083	0.340	ppbv #	62
80) Naphthalene,2-methyl-	25.17	142	3932	0.049	ppbv #	80

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

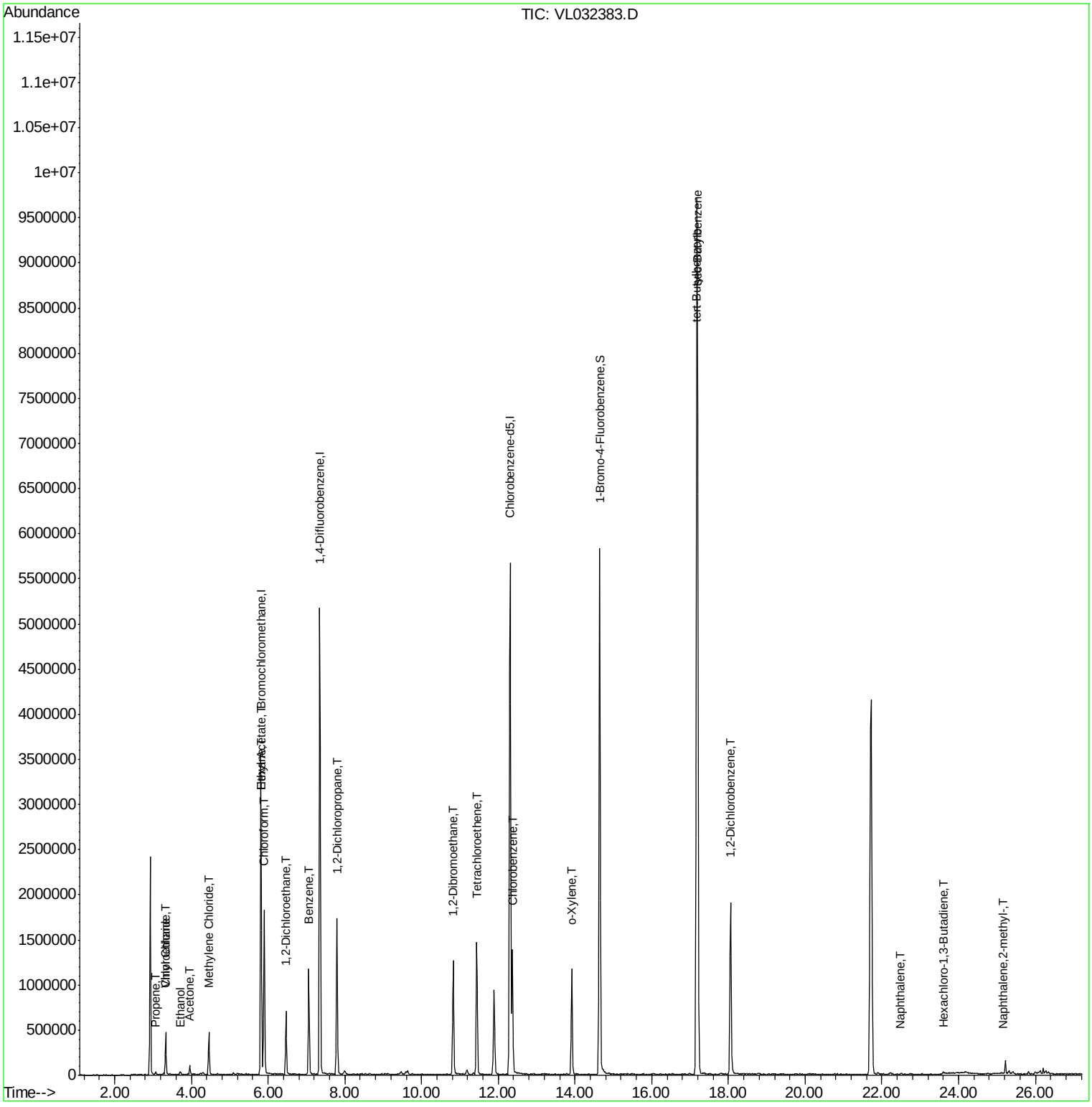
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

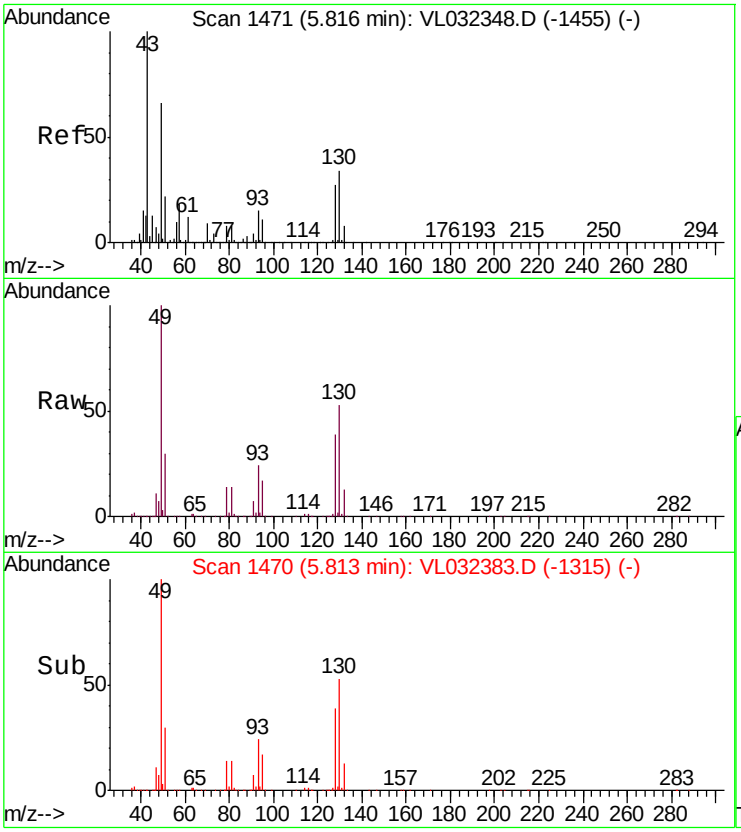
Quantitation Report (Not Reviewed)

Data File : VL032383.D
Acq On : 16 Aug 2018 19:02
Operator : SY/AP
Sample : J4266-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1000DL

Quant Time: Aug 17 03:18:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration



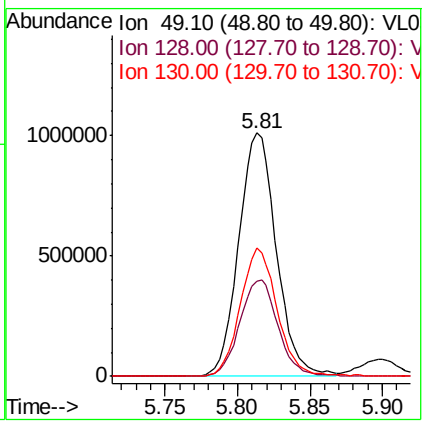


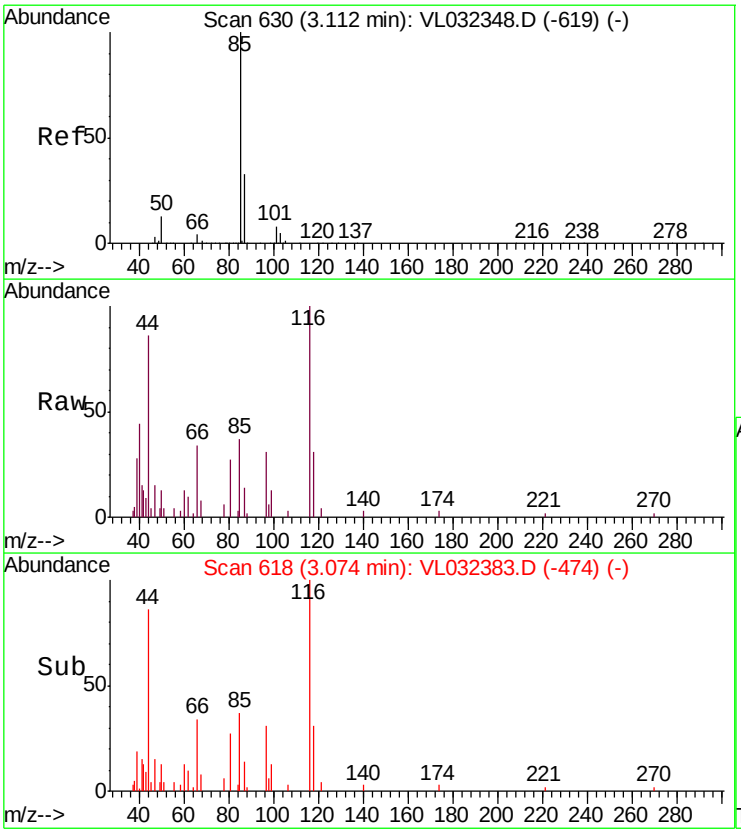
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.81 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 49 Resp: 1825627

Ion	Ratio	Lower	Upper
49	100		
128	40.6	20.5	61.6
130	52.6	26.2	78.5

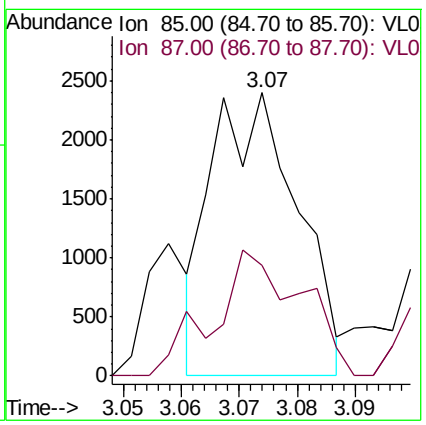


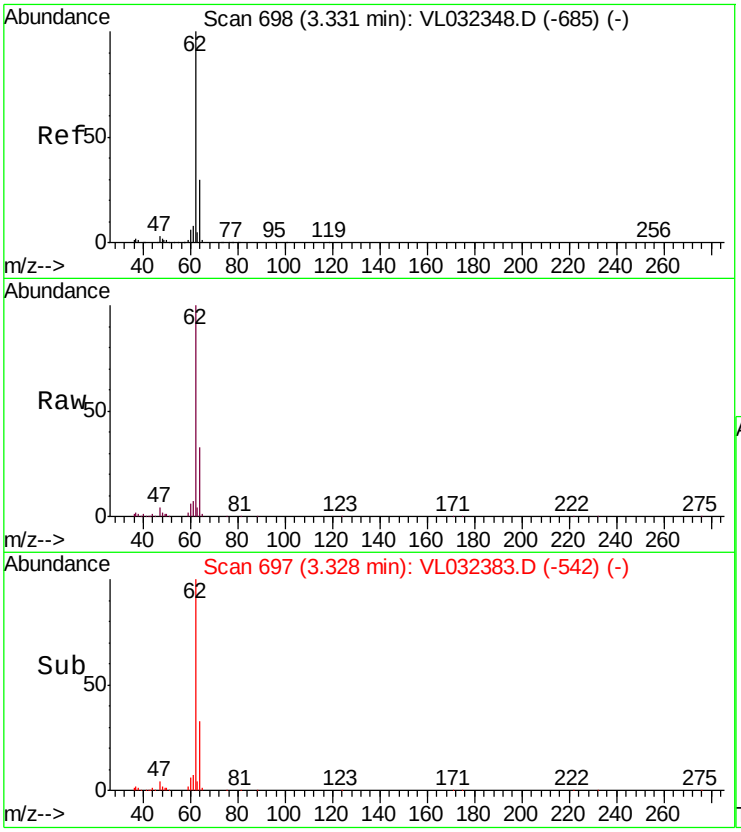


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 3.07 min Scan# 618
Delta R.T. -0.04 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion: 85 Resp: 2458

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.3	39.5



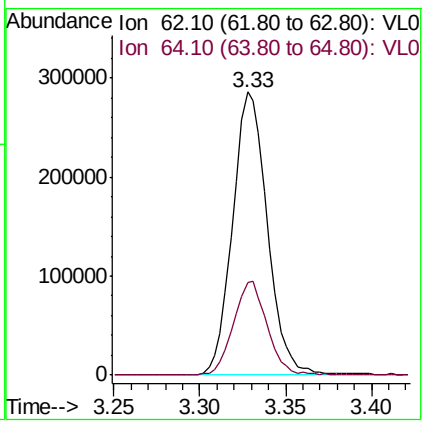


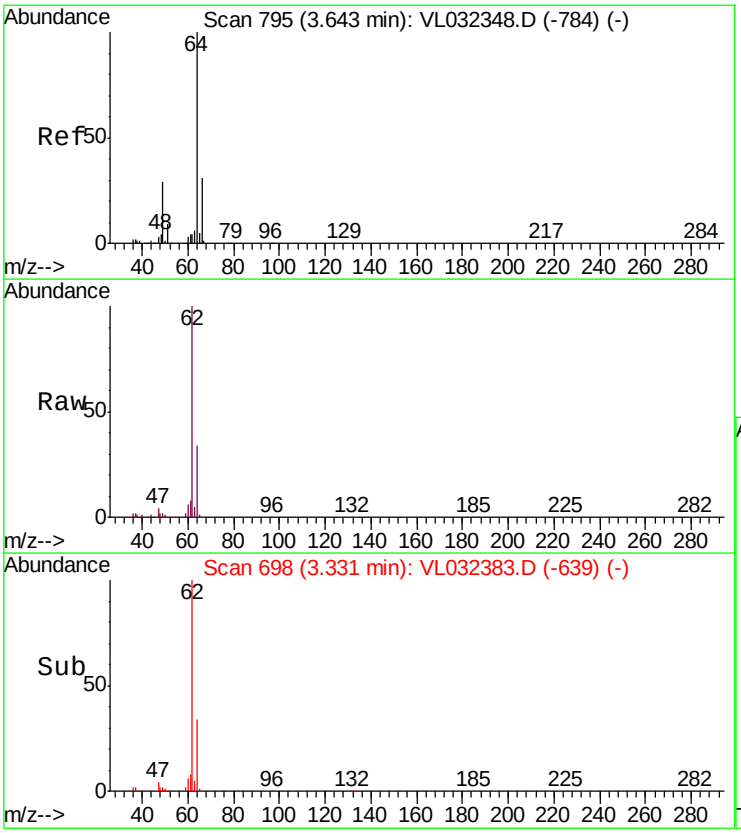
#5
Vinyl Chloride
Concen: 4.178 ppbv
RT: 3.33 min Scan# 697
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 62 Resp: 400817

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.2	36.2

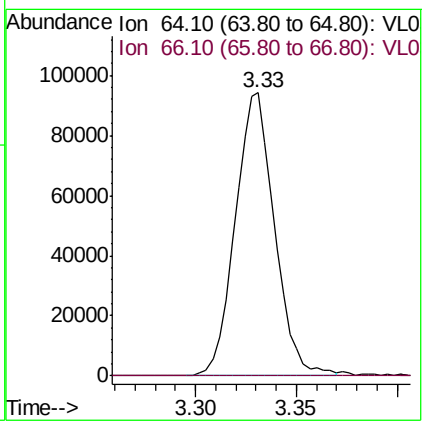


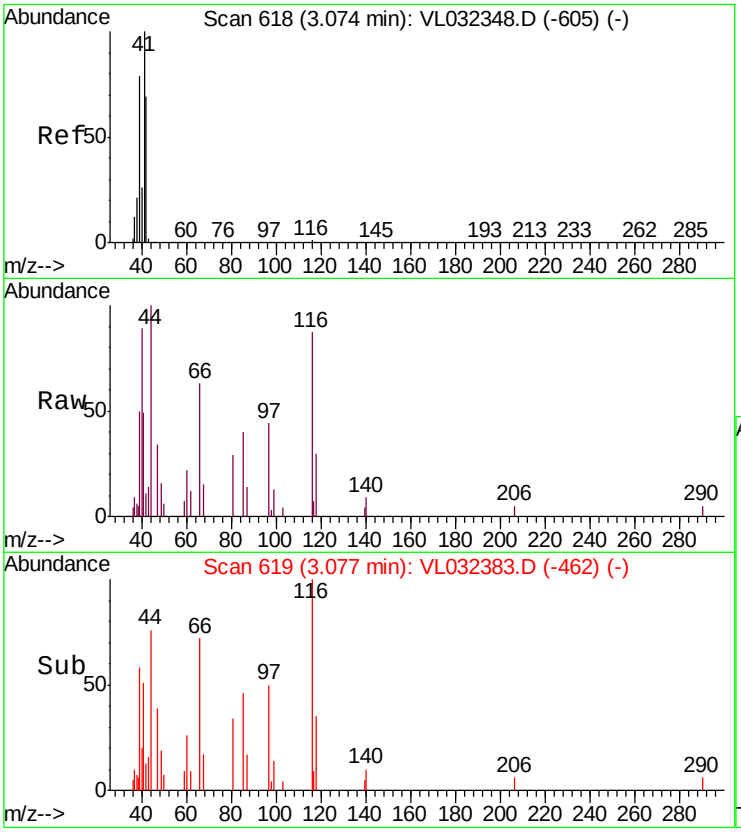


#7
Chloroethane
Concen: 3.812 ppbv
RT: 3.33 min Scan# 698
Delta R.T. -0.31 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion: 64 Resp: 128268

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.6	36.8#



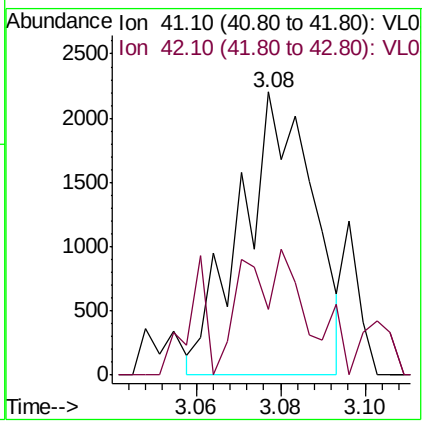


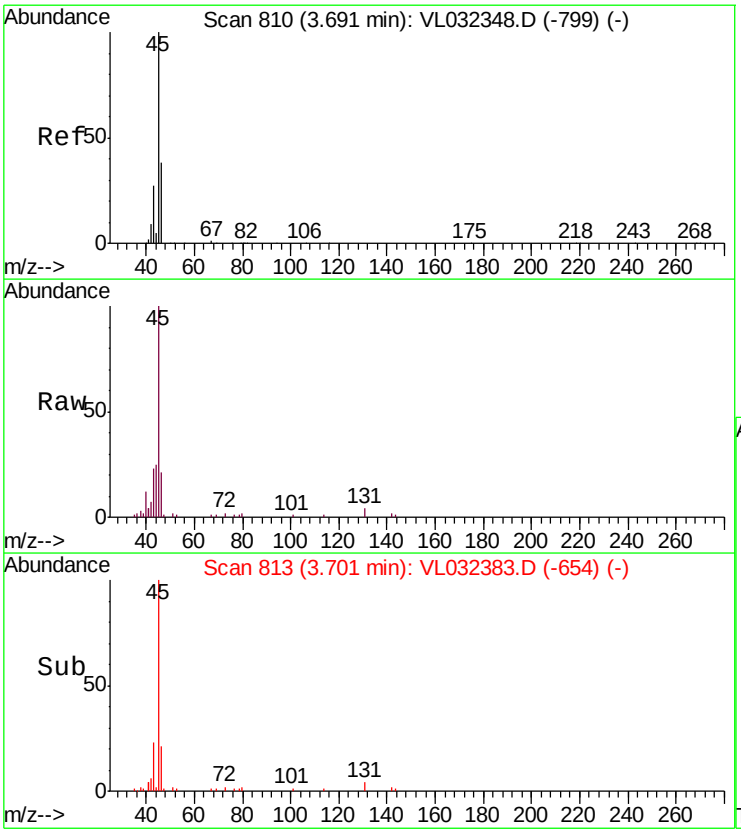
#9
Propene
Concen: 0.036 ppbv
RT: 3.08 min Scan# 619
Delta R.T. 0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 41 Resp: 2604

Ion	Ratio	Lower	Upper
41	100		
42	68.9	55.9	83.9

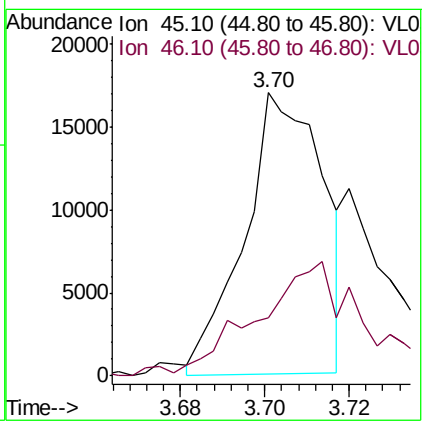


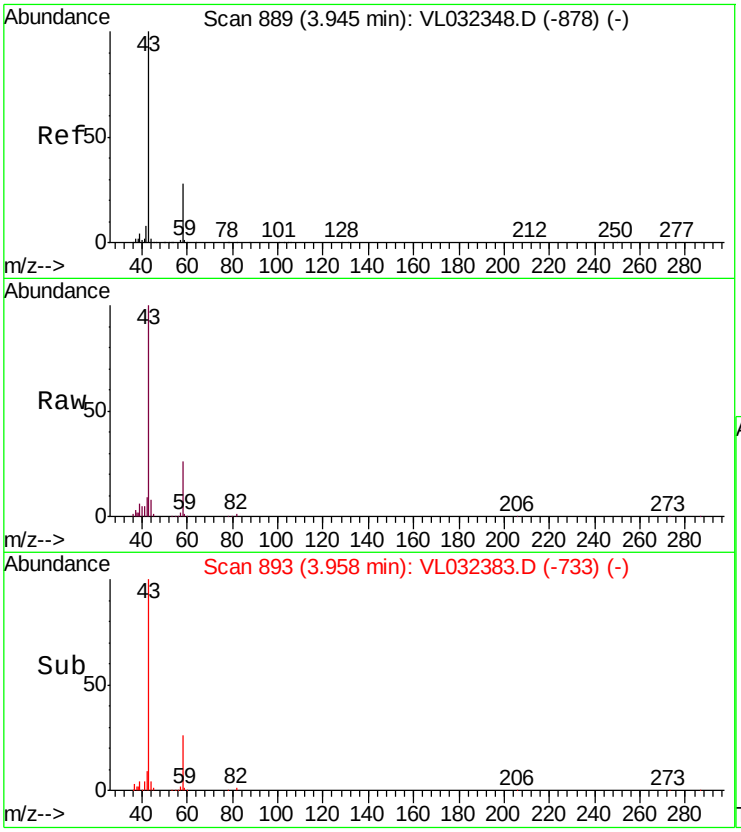


#13
Ethanol
Concen: 1.174 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion: 45 Resp: 21816

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.6	62.4#



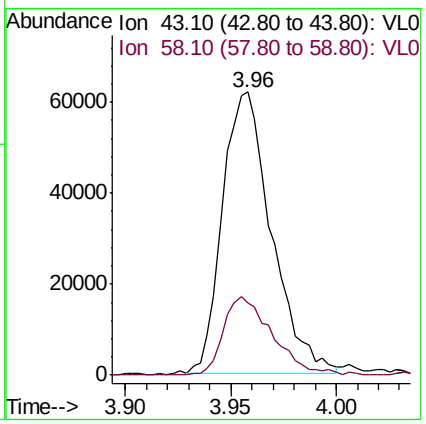


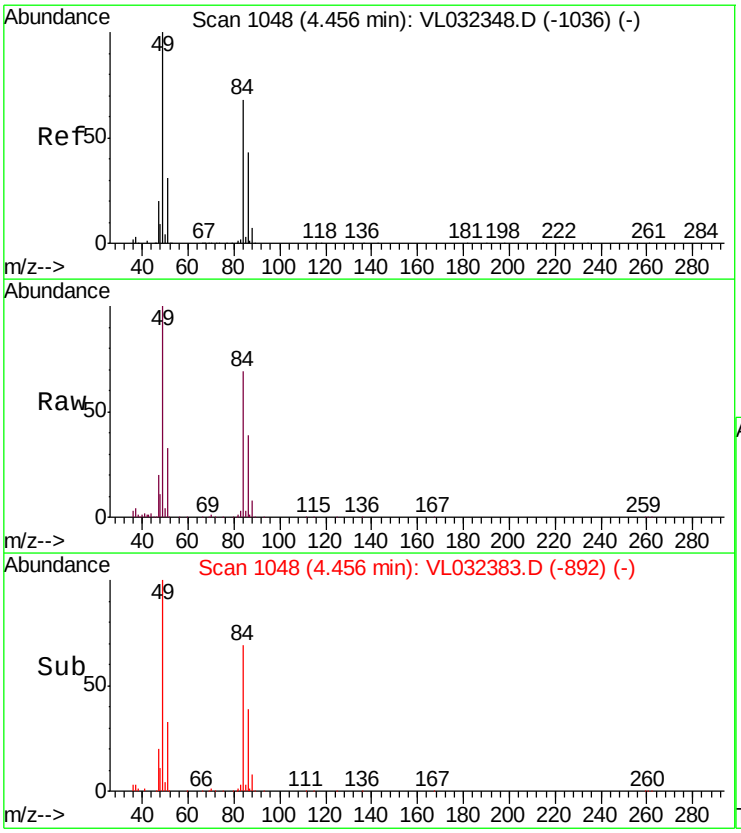
#15
Acetone
Concen: 0.575 ppbv
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 43 Resp: 99805

Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.4	33.6

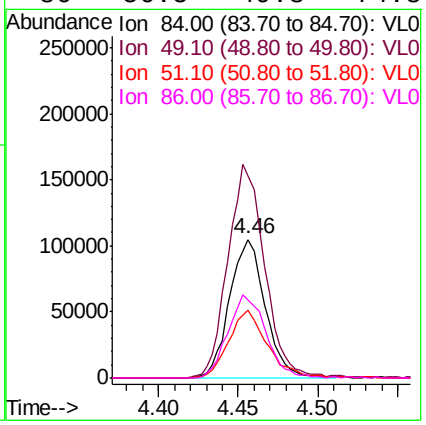


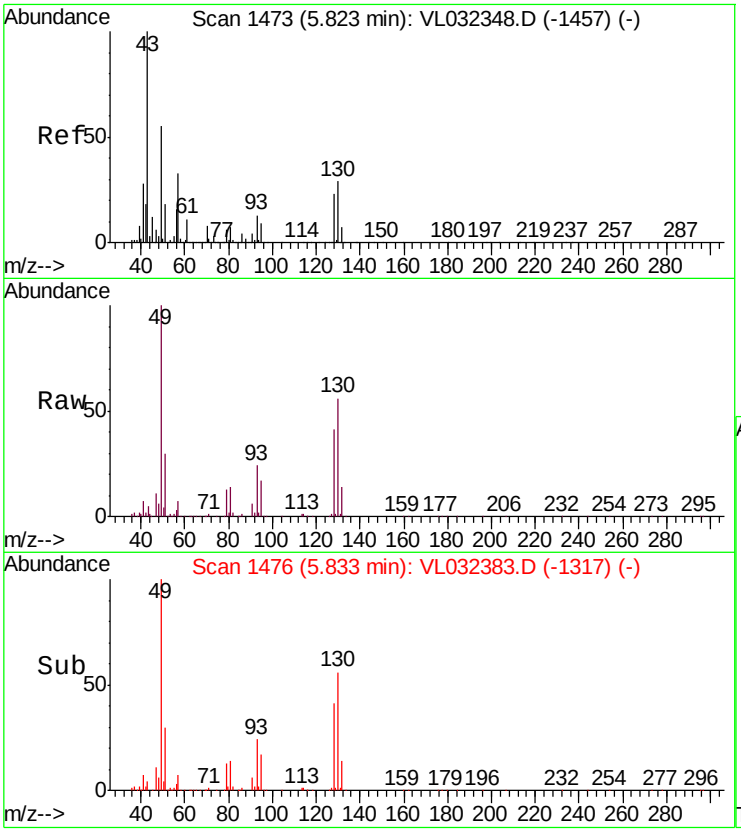


#20
Methylene Chloride
Concen: 2.428 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion: 84 Resp: 159077

Ion	Ratio	Lower	Upper
84	100		
49	145.3	117.3	175.9
51	48.5	36.6	55.0
86	56.5	49.8	74.8



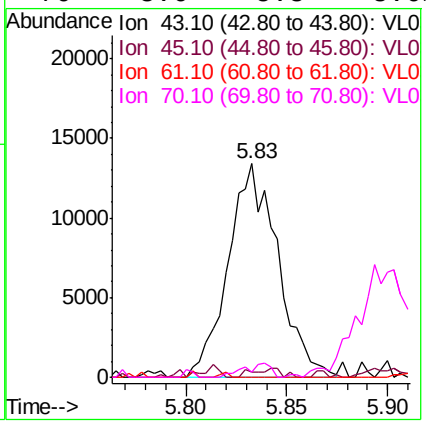


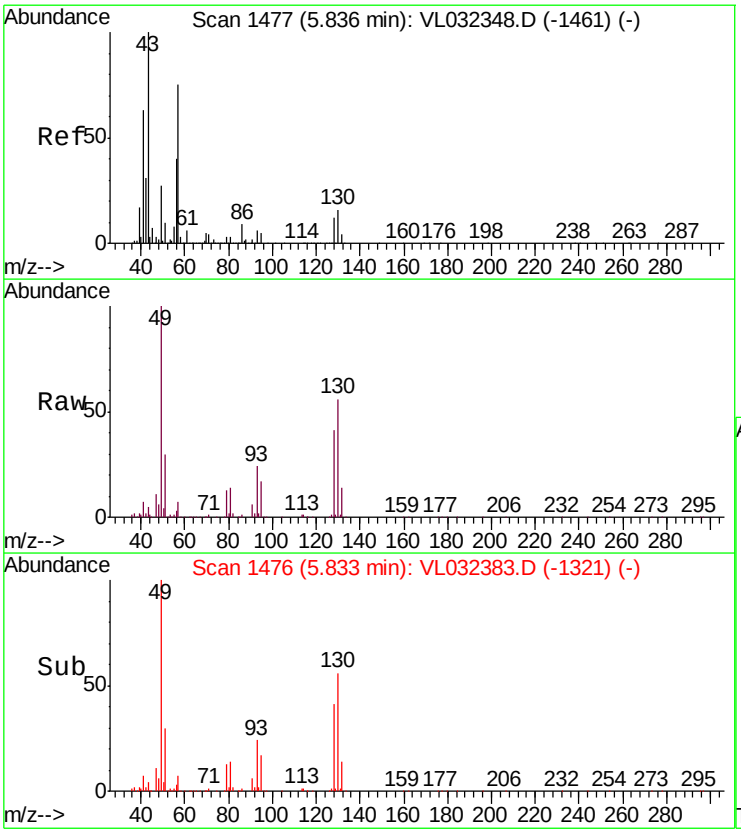
#25
Ethyl Acetate
Concen: 0.062 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 43 Resp: 23037

Ion	Ratio	Lower	Upper
43	100		
45	3.1	7.9	11.9#
61	0.0	7.4	11.2#
70	3.6	5.8	8.6#

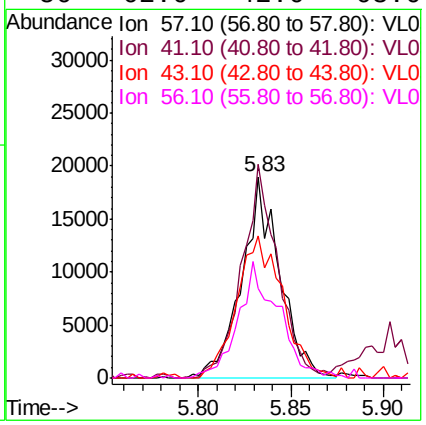


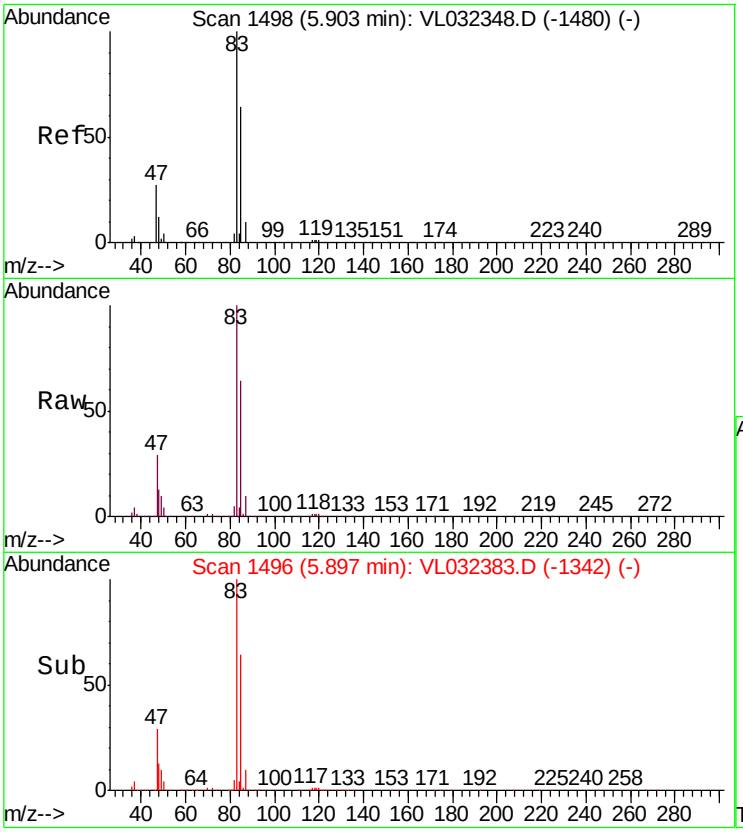


#26
Hexane
Concen: 0.162 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion: 57 Resp: 26909

Ion	Ratio	Lower	Upper
57	100		
41	101.1	68.0	102.0
43	87.5	175.3	262.9#
56	62.0	42.0	63.0



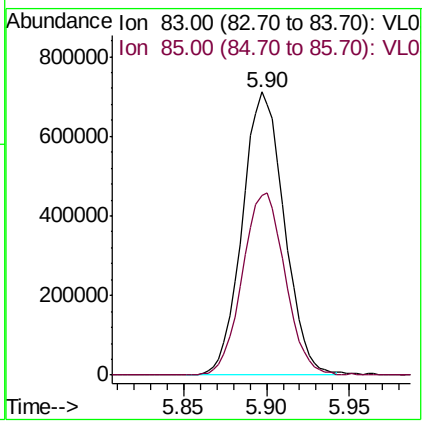


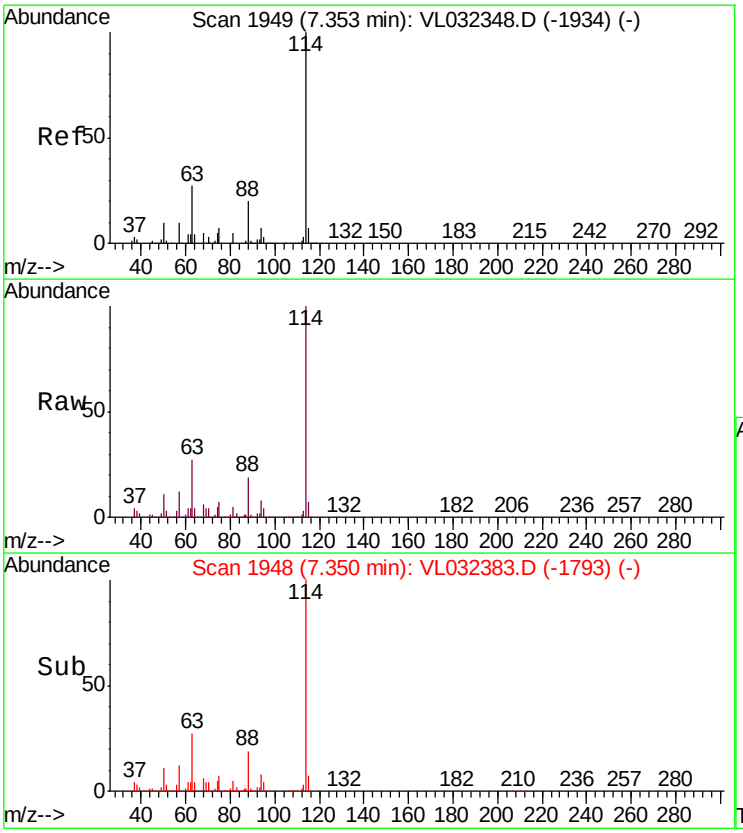
#29
Chloroform
Concen: 5.151 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 83 Resp: 1250992

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4

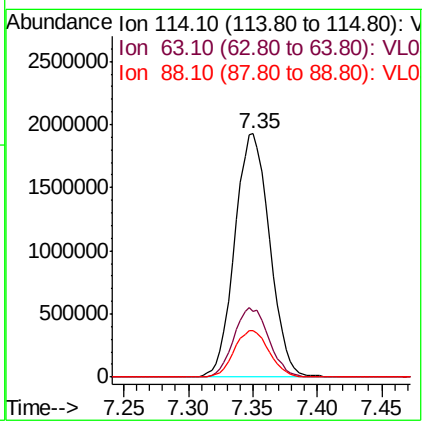


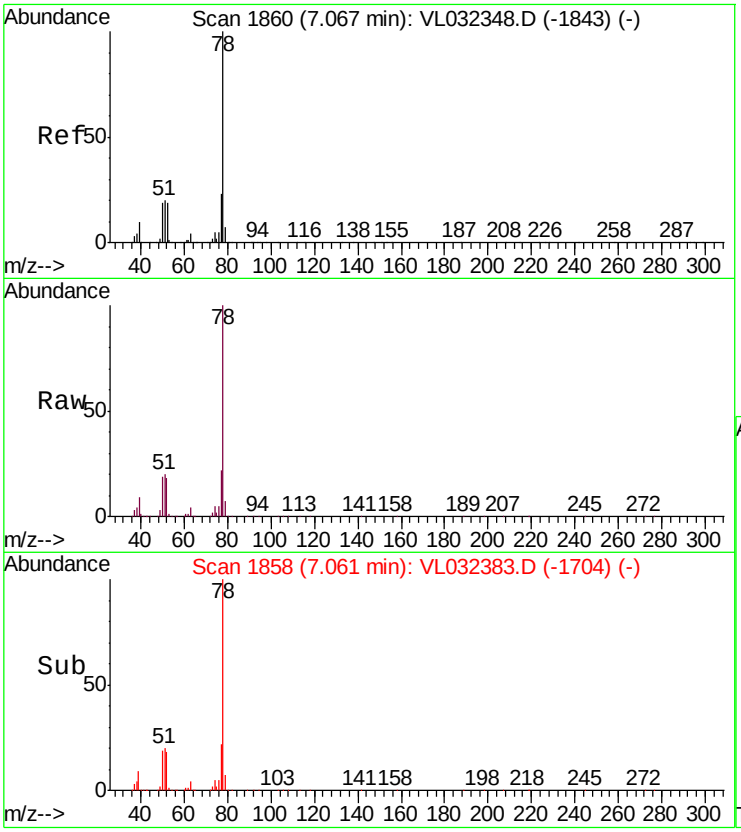


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion:114 Resp: 3637997

Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.0	33.0
88	19.1	15.3	22.9



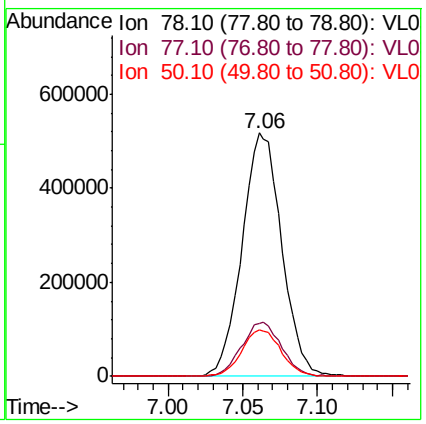


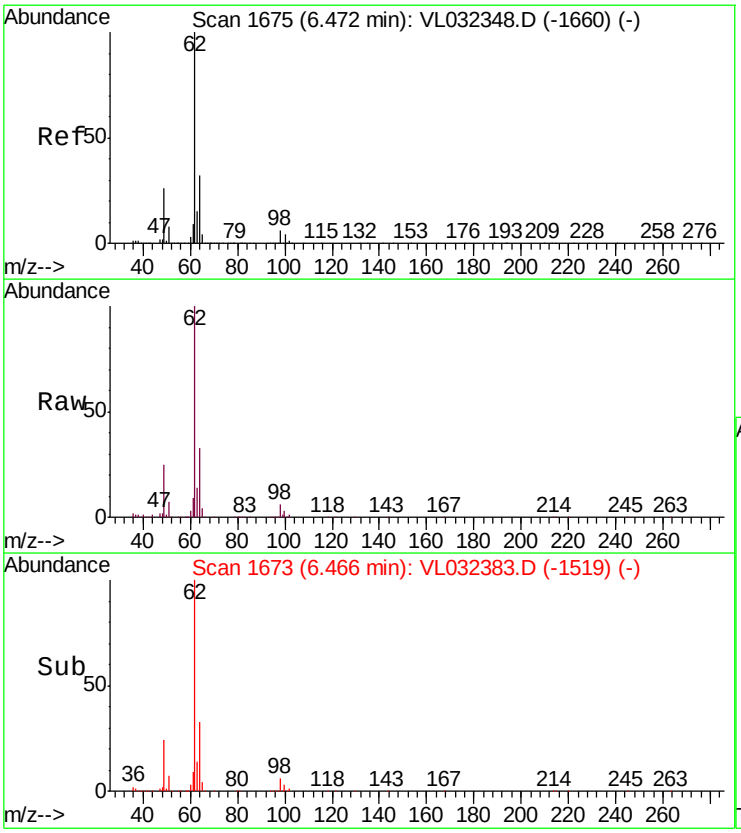
#36
Benzene
Concen: 3.090 ppbv
RT: 7.06 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 78 Resp: 953059

Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.0	27.0
50	18.8	15.1	22.7

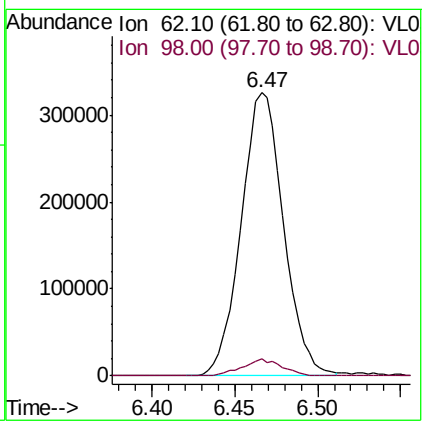


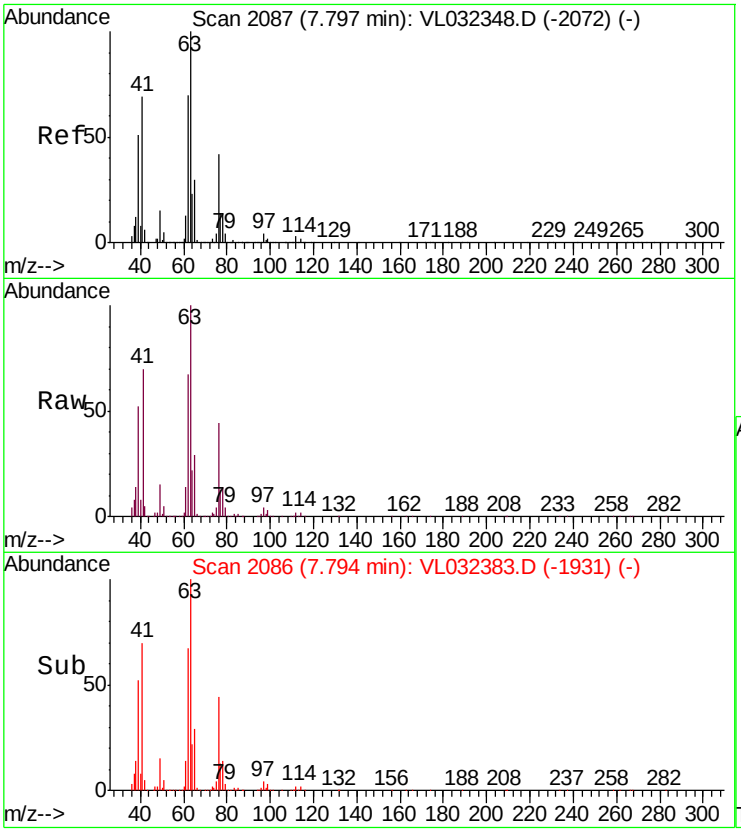


#37
1,2-Dichloroethane
Concen: 3.102 ppbv
RT: 6.47 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion: 62 Resp: 580444

Ion	Ratio	Lower	Upper
62	100		
98	5.6	5.0	7.6



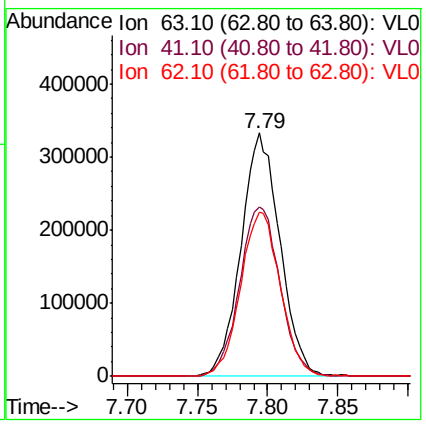


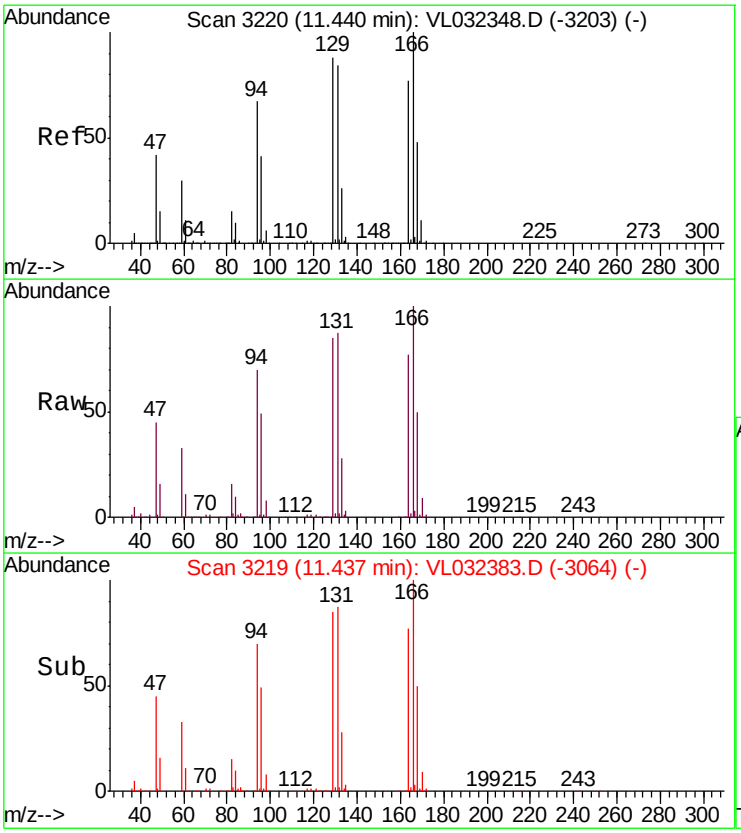
#39
1,2-Dichloropropane
Concen: 4.998 ppbv
RT: 7.79 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 63 Resp: 643941

Ion	Ratio	Lower	Upper
63	100		
41	69.6	55.5	83.3
62	67.2	56.3	84.5

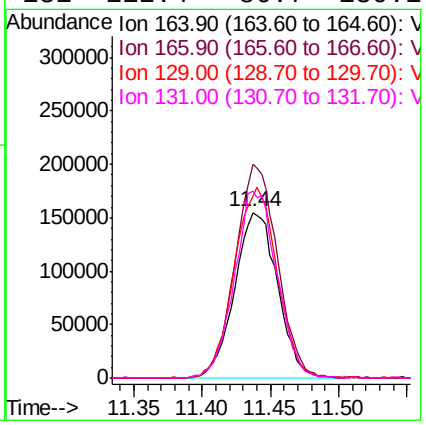


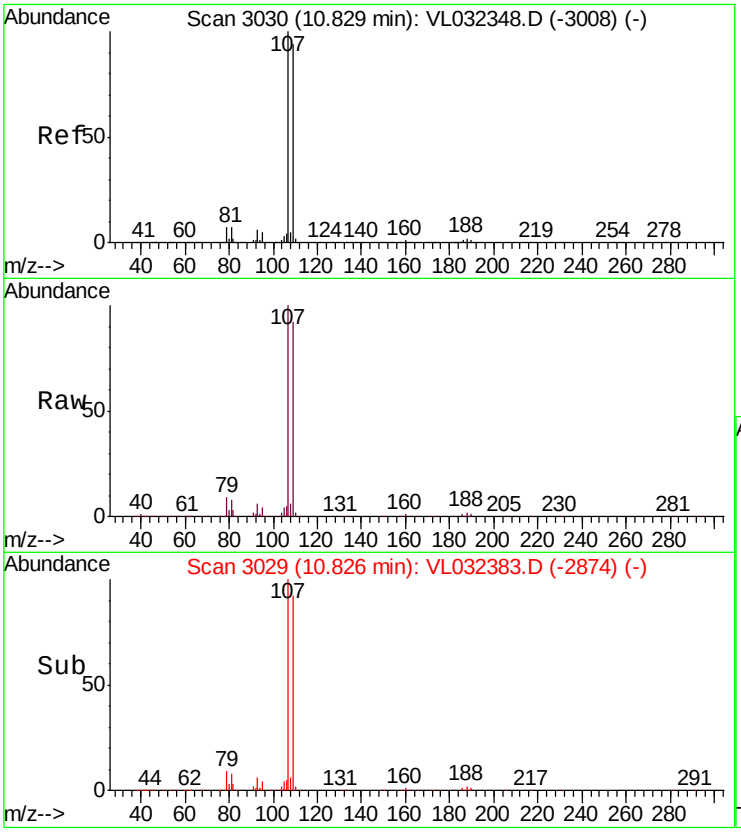


#52
Tetrachloroethene
Concen: 3.716 ppbv
RT: 11.44 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion:164 Resp: 337991

Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.5	155.3
129	109.8	90.9	136.3
131	112.4	86.7	130.1



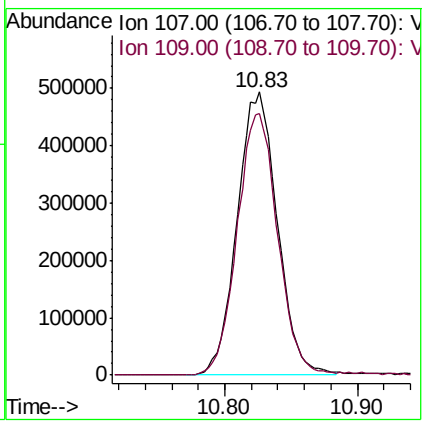


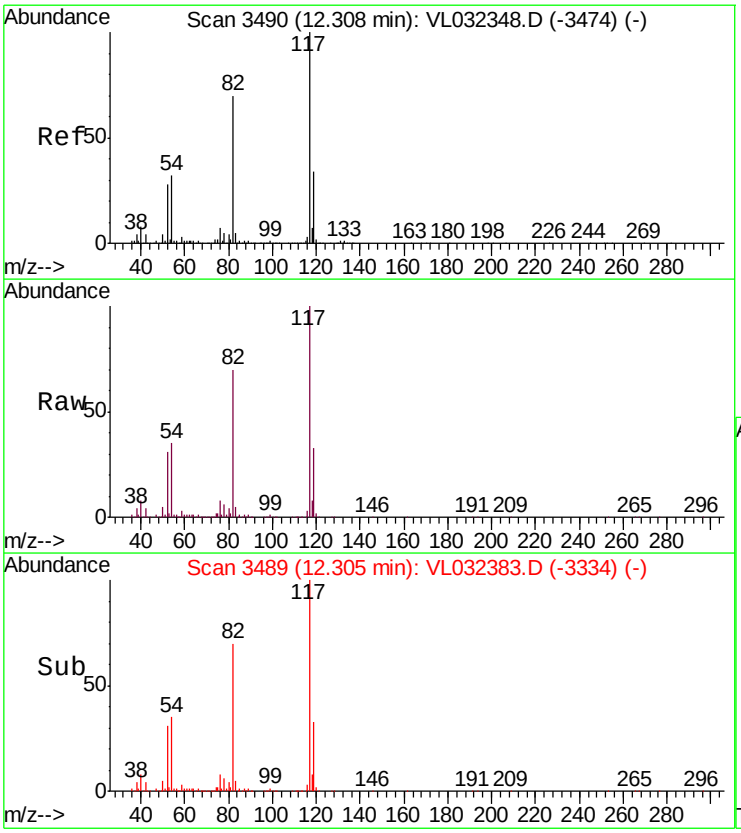
#54
1,2-Dibromoethane
Concen: 5.704 ppbv
RT: 10.83 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:107 Resp: 1038818

Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.9	112.3

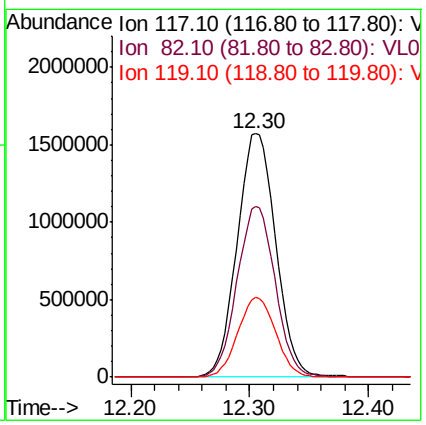


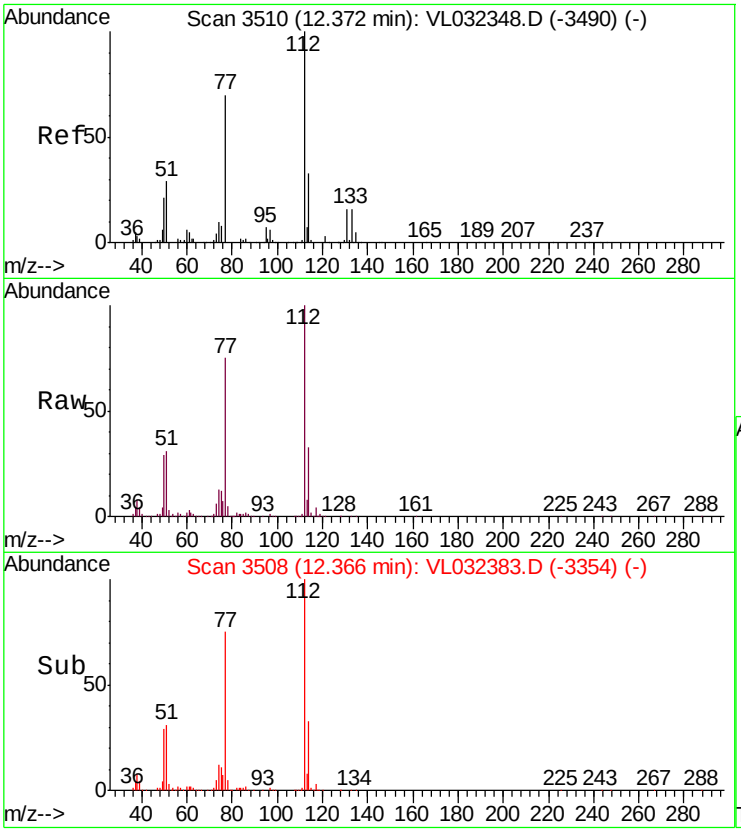


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion:117 Resp: 3532933

Ion	Ratio	Lower	Upper
117	100		
82	69.6	55.1	82.7
119	32.3	46.0	69.0#



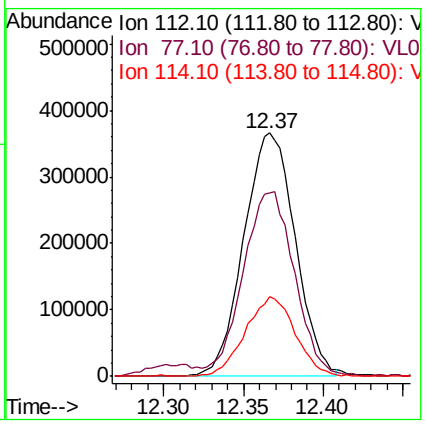


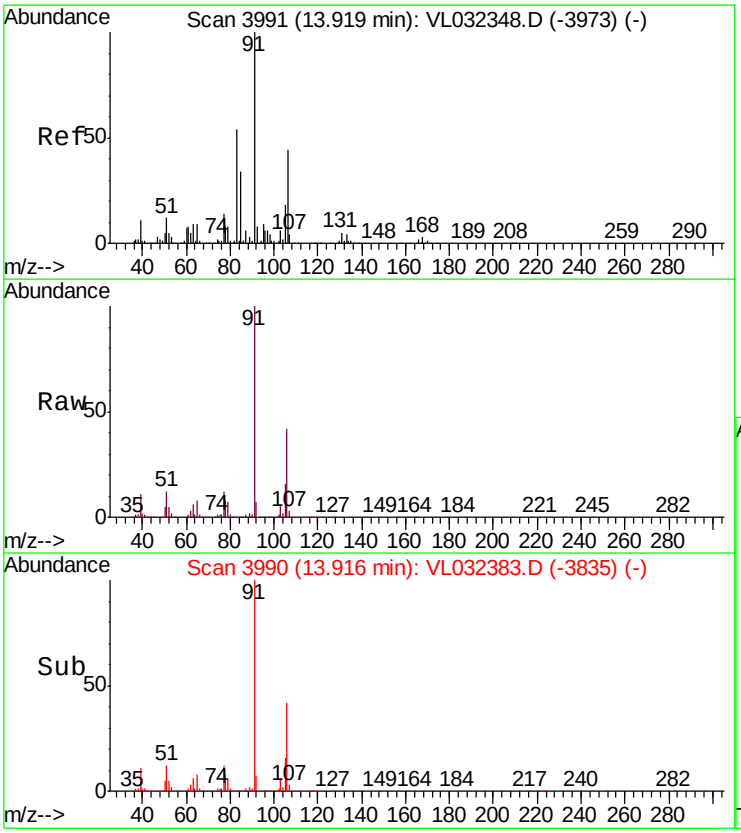
#57
Chlorobenzene
Concen: 3.043 ppbv
RT: 12.37 min Scan# 3508
Delta R.T. -0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:112 Resp: 809355

Ion	Ratio	Lower	Upper
112	100		
77	73.6	56.6	84.8
114	33.0	29.4	36.0

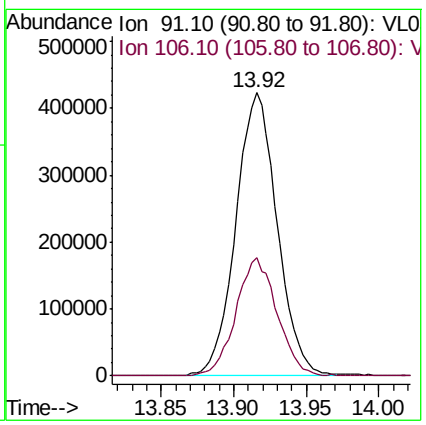


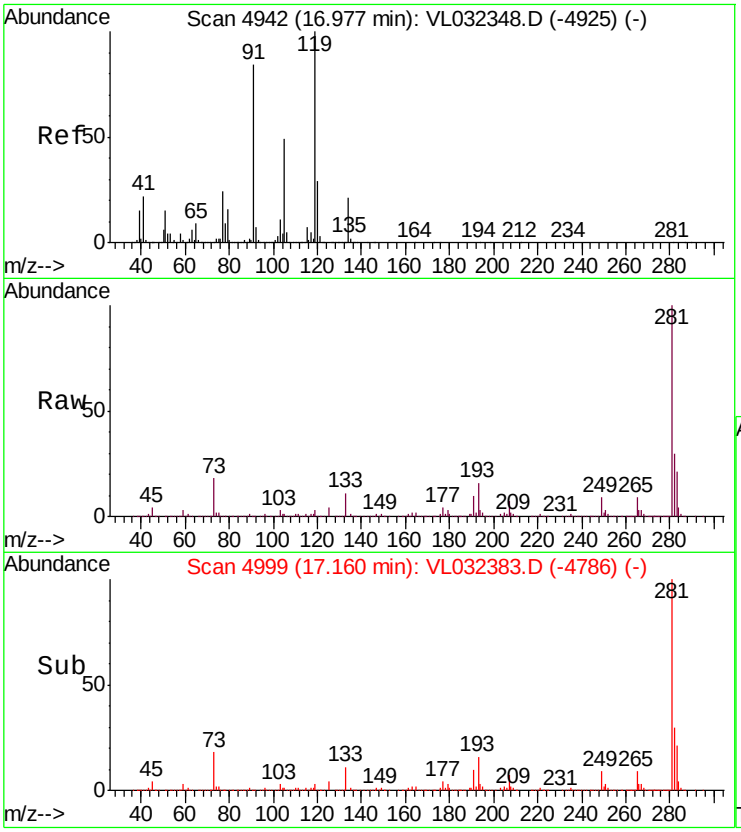


#60
o-Xylene
Concen: 2.344 ppbv
RT: 13.92 min Scan# 3990
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion: 91 Resp: 831856

Ion	Ratio	Lower	Upper
91	100		
106	42.1	22.3	66.8



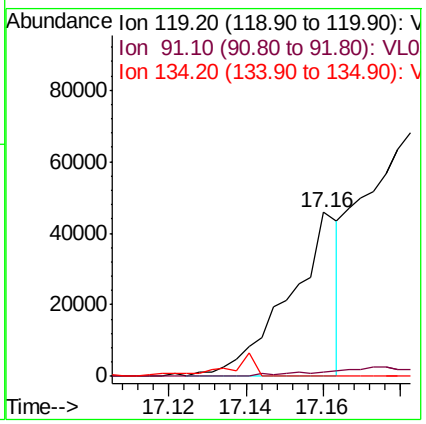


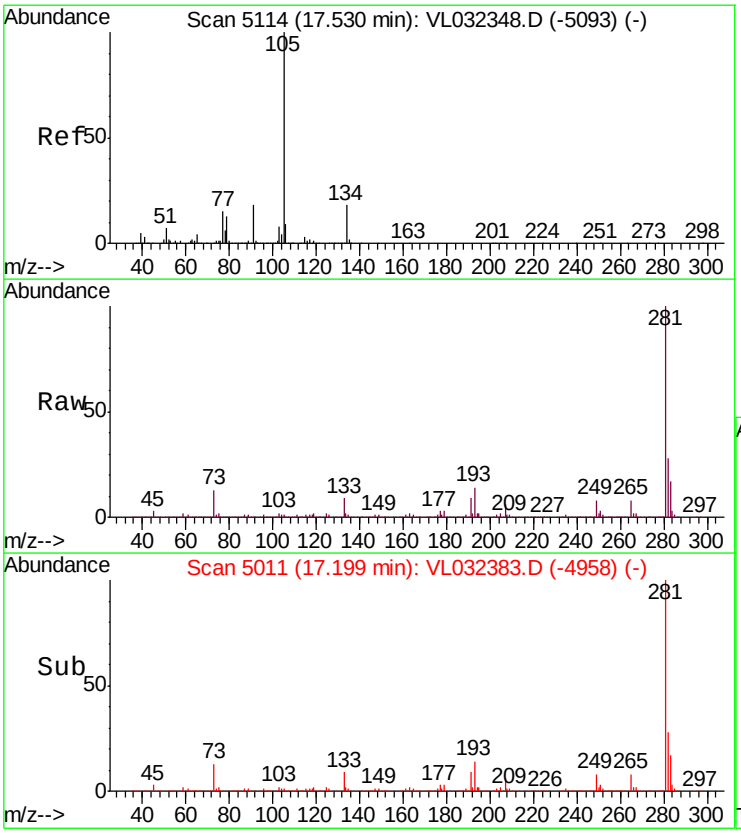
#65
tert-Butylbenzene
Concen: 0.095 ppbv
RT: 17.16 min Scan# 4999
Delta R.T. 0.18 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:119 Resp: 40942

Ion	Ratio	Lower	Upper
119	100		
91	7.6	67.4	101.0#
134	7.9	15.8	23.6#

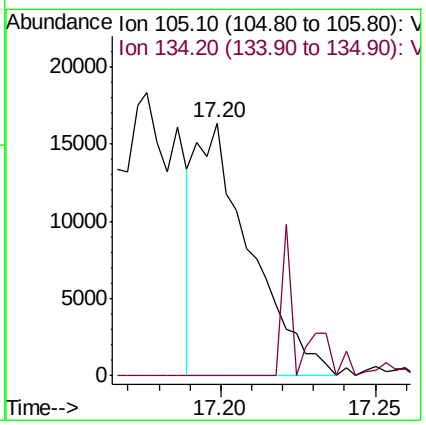


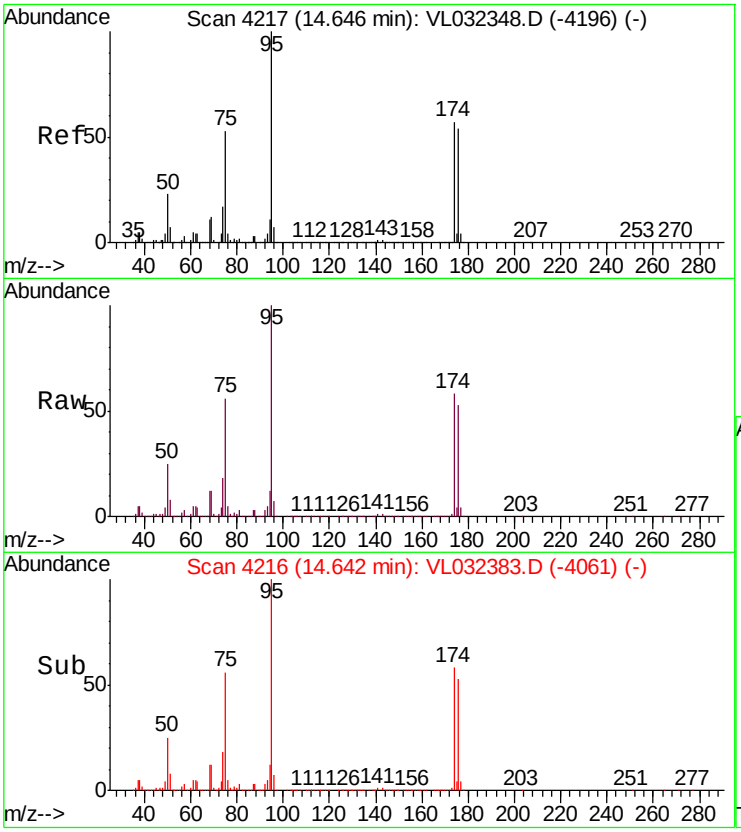


#67
sec-Butylbenzene
Concen: 0.031 ppbv
RT: 17.20 min Scan# 5011
Delta R.T. -0.33 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion:105 Resp: 20106

Ion	Ratio	Lower	Upper
105	100		
134	20.3	14.4	21.6



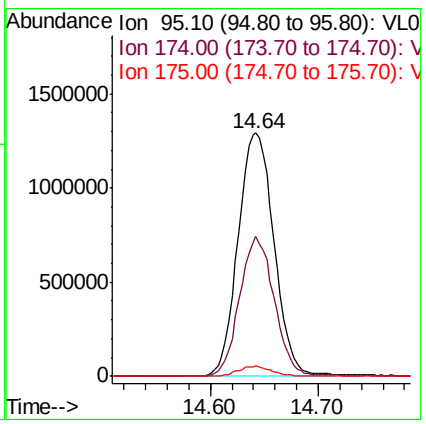


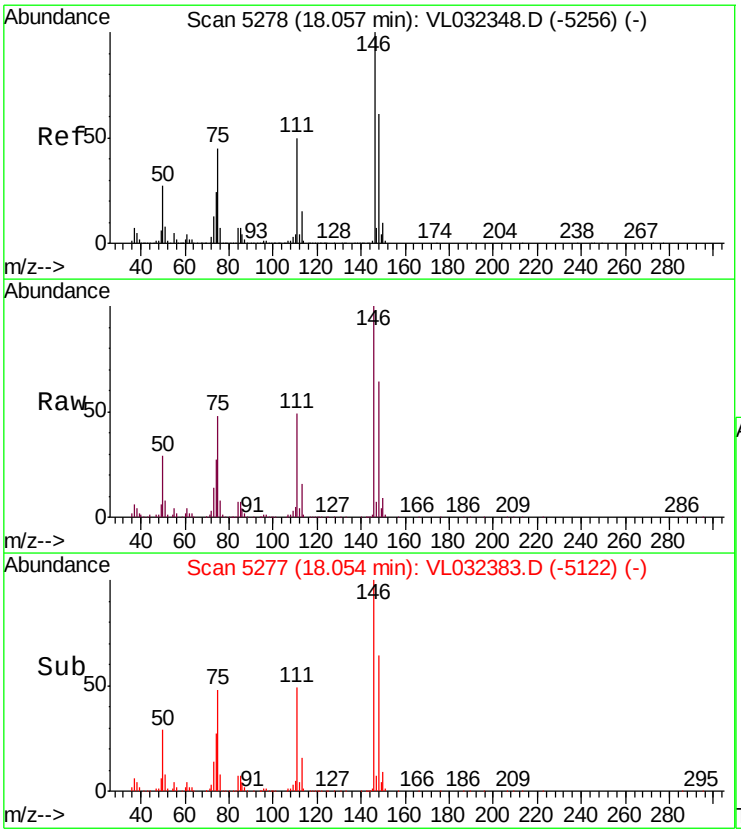
#68
1-Bromo-4-Fluorobenzene
Concen: 11.143 ppbv
RT: 14.64 min Scan# 4216
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 95 Resp: 3003464

Ion	Ratio	Lower	Upper
95	100		
174	55.9	46.2	69.4
175	4.0	3.4	5.0

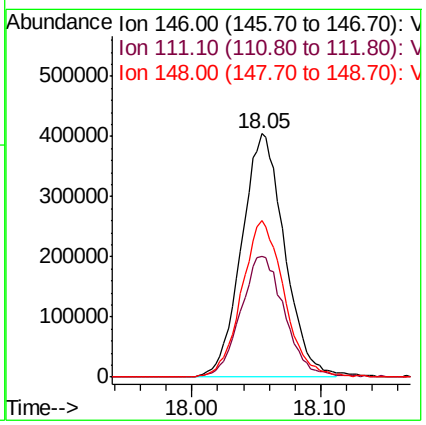


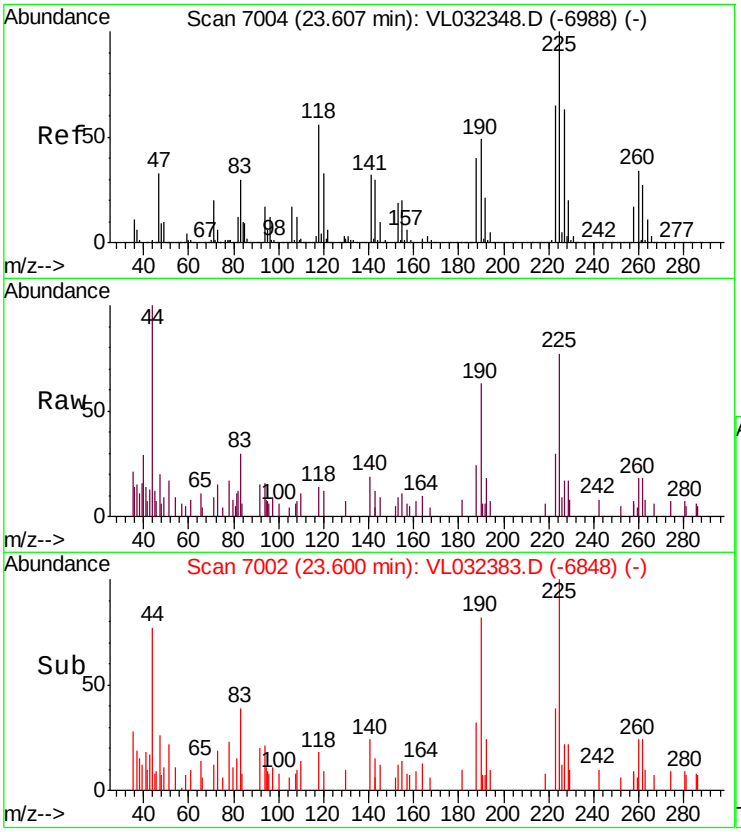


#77
1,2-Dichlorobenzene
Concen: 4.031 ppbv
RT: 18.05 min Scan# 5277
Delta R.T. -0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion:146 Resp: 937821

Ion	Ratio	Lower	Upper
146	100		
111	51.1	25.2	75.6
148	63.9	31.8	95.4



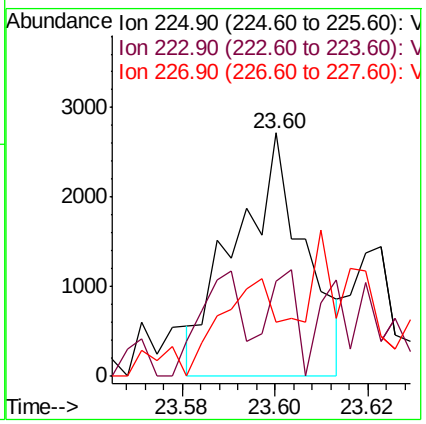


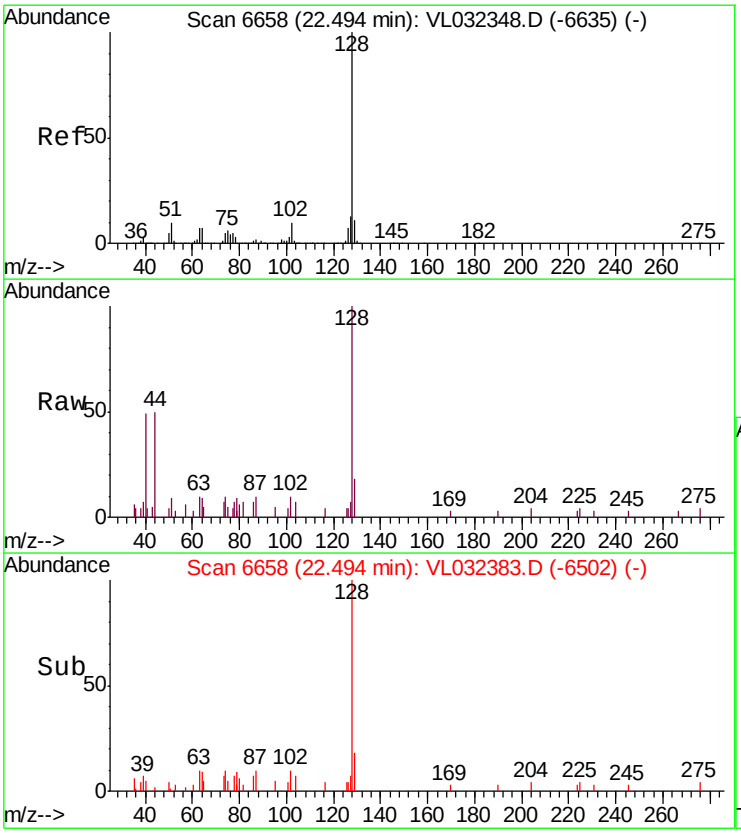
#78
Hexachloro-1,3-Butadiene
Concen: 0.036 ppbv
RT: 23.60 min Scan# 7002
Delta R.T. -0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:225 Resp: 2788

Ion	Ratio	Lower	Upper
225	100		
223	83.8	50.6	76.0#
227	87.0	51.0	76.6#

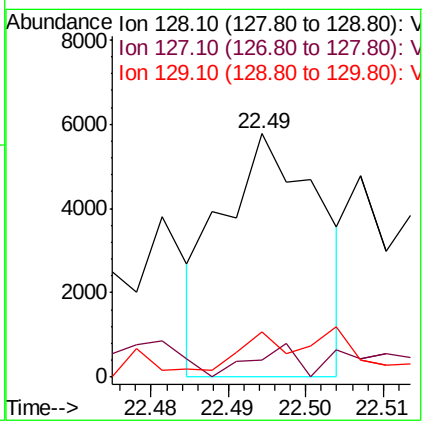


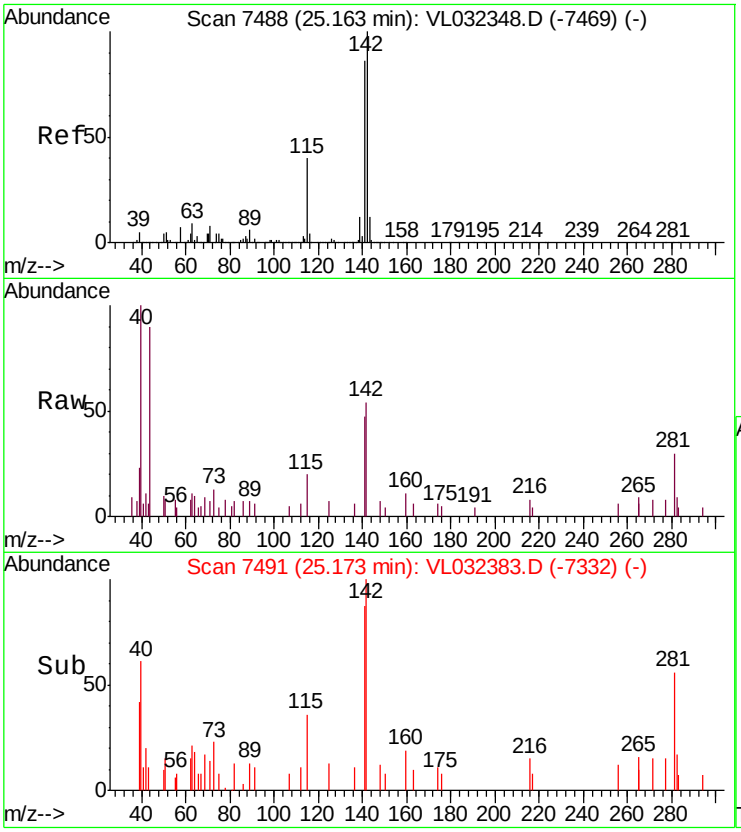


#79
Naphthalene
Concen: 0.340 ppbv
RT: 22.49 min Scan# 6658
Delta R.T. 0.00 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Tgt Ion:128 Resp: 5083

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	28.0	8.6	13.0#





#80
Naphthalene,2-methyl-
Concen: 0.049 ppbv
RT: 25.17 min Scan# 7491
Delta R.T. 0.01 min
Lab File: VL032383.D
Acq: 16 Aug 2018 19:02

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:142 Resp: 3932

Ion	Ratio	Lower	Upper
142	100		
141	108.7	66.7	100.1#
115	36.6	31.0	46.6