Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032444.D
Acq On : 31 Aug 2018 17:02
Operator : SY/AP
Sample : J4472-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-2DL

Quant Time: Sep 01 02:01:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.80	49	2026678	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.34	114	3878599	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.29	117	3712358	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.63	95	2836271	10.29	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.11	85	29081	0.112	ppbv		98
3) Chlorodifluoromethane	3.04	51	13574	0.074	ppbv		96
4) Chloromethane	3.20	50	7234	0.065	ppbv		100
9) Propene	3.07	41	44240	0.598	ppbv		99
11) Trichlorofluoromethane	4.04	101	68411	0.293	ppbv		93
13) Ethanol	3.69	45	79123	3.430	ppbv		96
15) Acetone	3.94	43	338724	1.856	ppbv		100
17) tert-Butyl alcohol	4.42	59	6449	0.230	ppbv	#	100
19) Isopropyl Alcohol	4.08	45	185537	1.550	ppbv	#	95
20) Methylene Chloride	4.45	84	63023	0.906	ppbv		97
23) Vinyl Acetate	5.19	43	44918	0.148	ppbv	#	82
25) Ethyl Acetate	5.82	43	68433	0.159	ppbv	#	94
26) Hexane	5.83	57	31356	0.162	ppbv	#	59
34) 2-Butanone	5.38	43	93536	0.363	ppbv		99
36) Benzene	7.05	78	12321	0.037	ppbv	#	89
39) 1,2-Dichloropropane	7.34	63	1063936	7.534	ppbv	#	25
53) Toluene	9.99	91	25296	0.073	ppbv	#	32
75) 1,3-Dichlorobenzene	17.36	146	855233	3.098	ppbv		98
76) 1,4-Dichlorobenzene	17.36	146	855233	3.339	ppbv		100

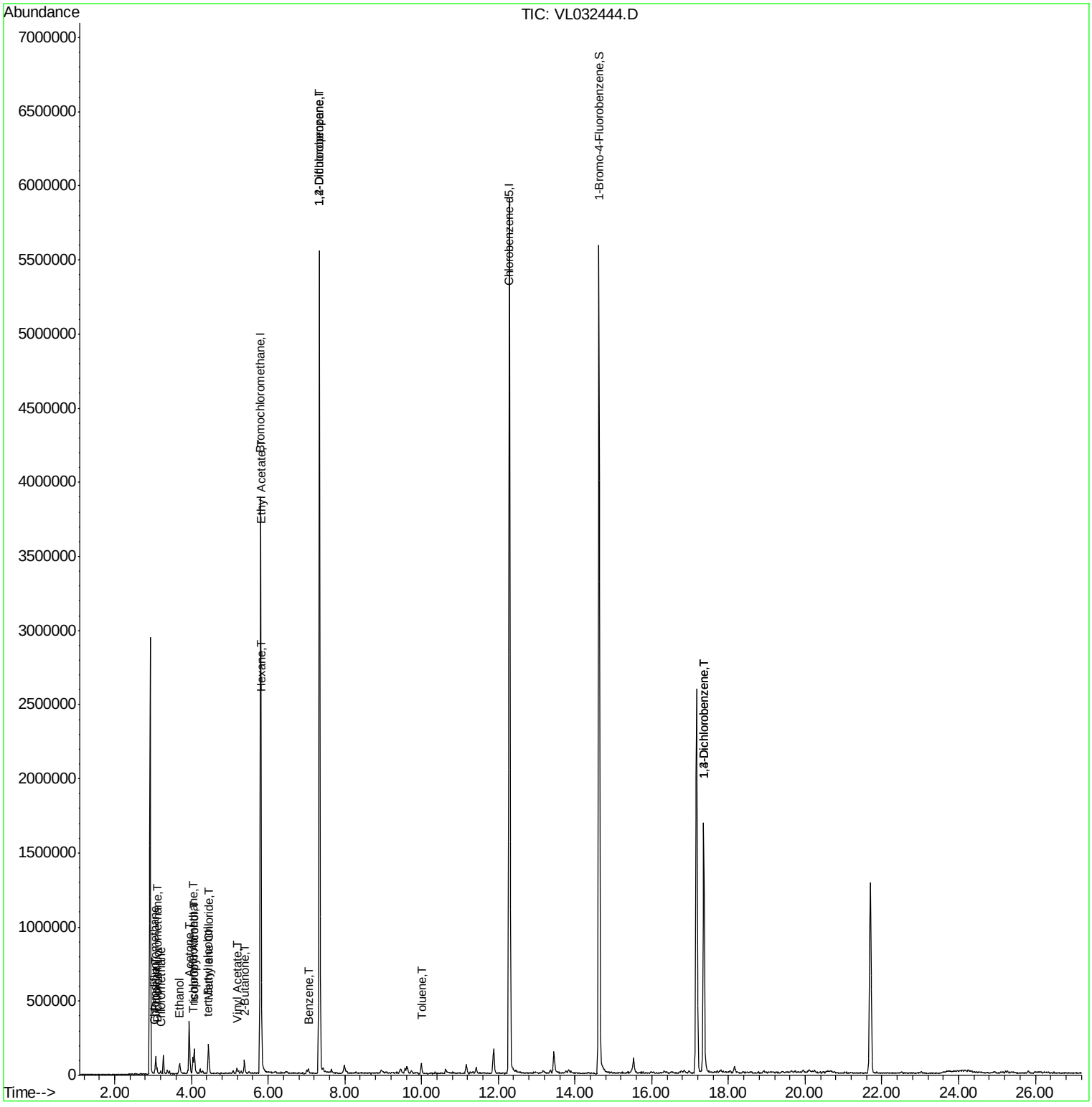
(#) = qualifier out of range (m) = manual integration (+) = signals summed

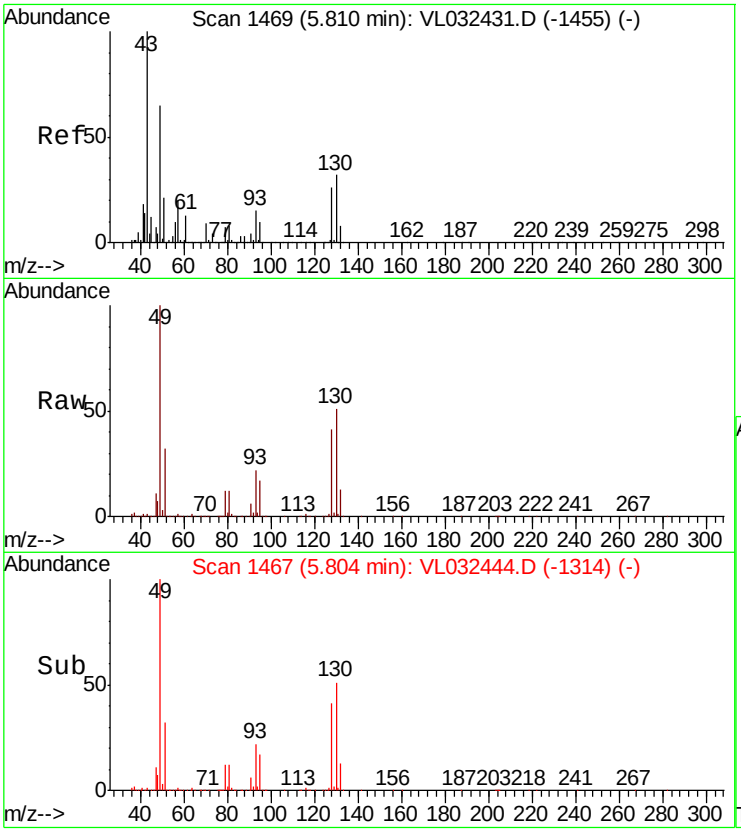
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032444.D
Acq On : 31 Aug 2018 17:02
Operator : SY/AP
Sample : J4472-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-2DL

Quant Time: Sep 01 02:01:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration



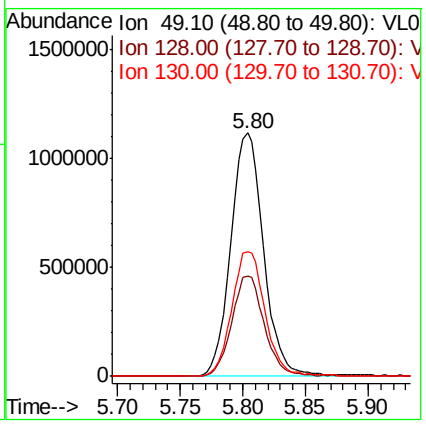


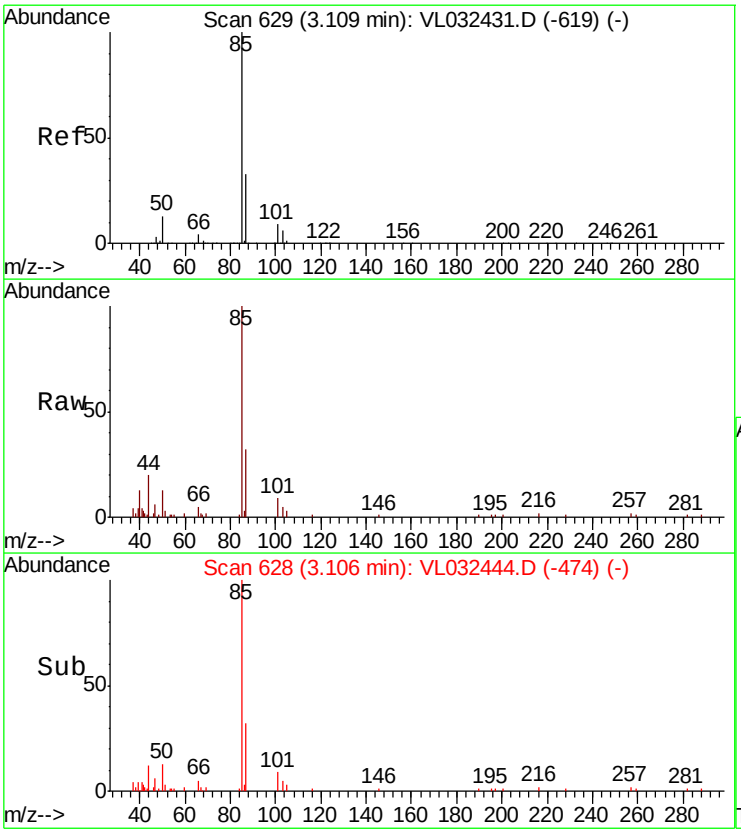
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.80 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 49 Resp: 2026678

Ion	Ratio	Lower	Upper
49	100		
128	41.1	20.7	62.1
130	52.5	26.6	79.7

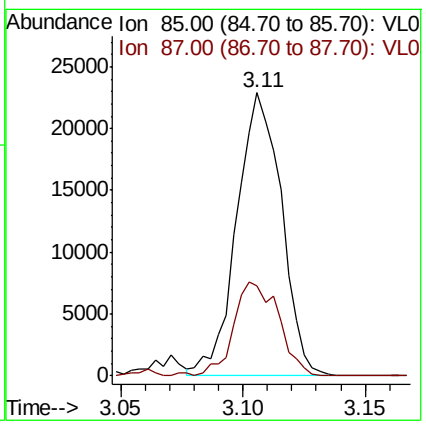


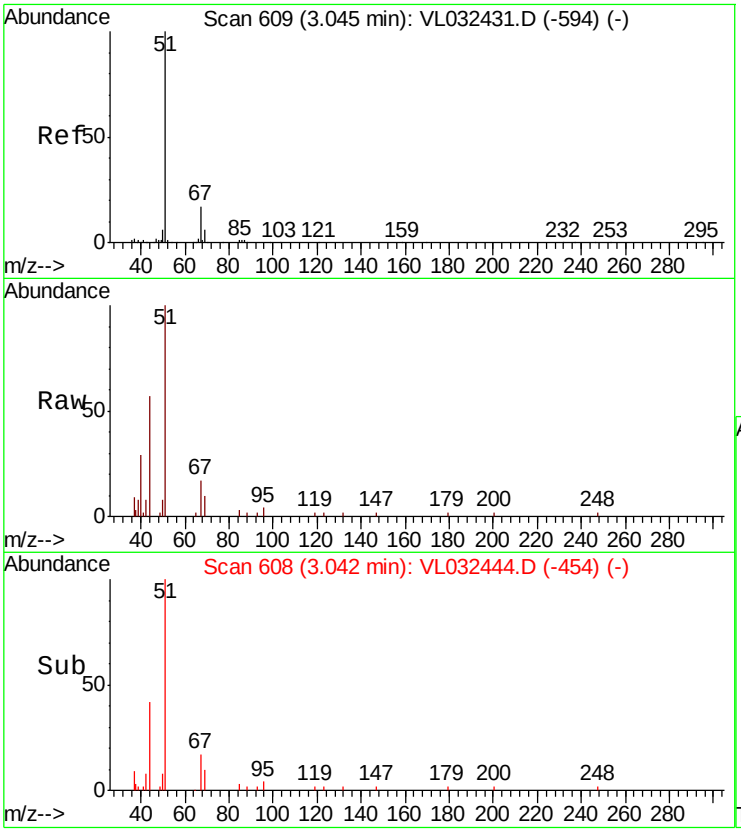


#2
Dichlorodifluoromethane
Concen: 0.112 ppbv
RT: 3.11 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 85 Resp: 29081

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.2	39.4



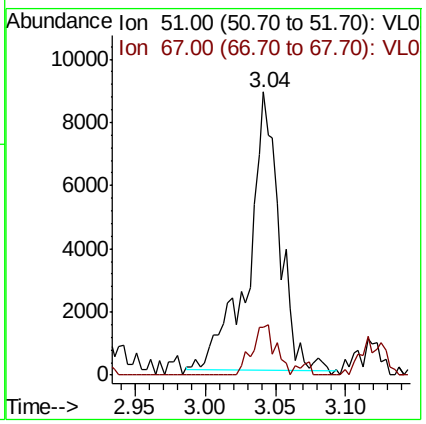


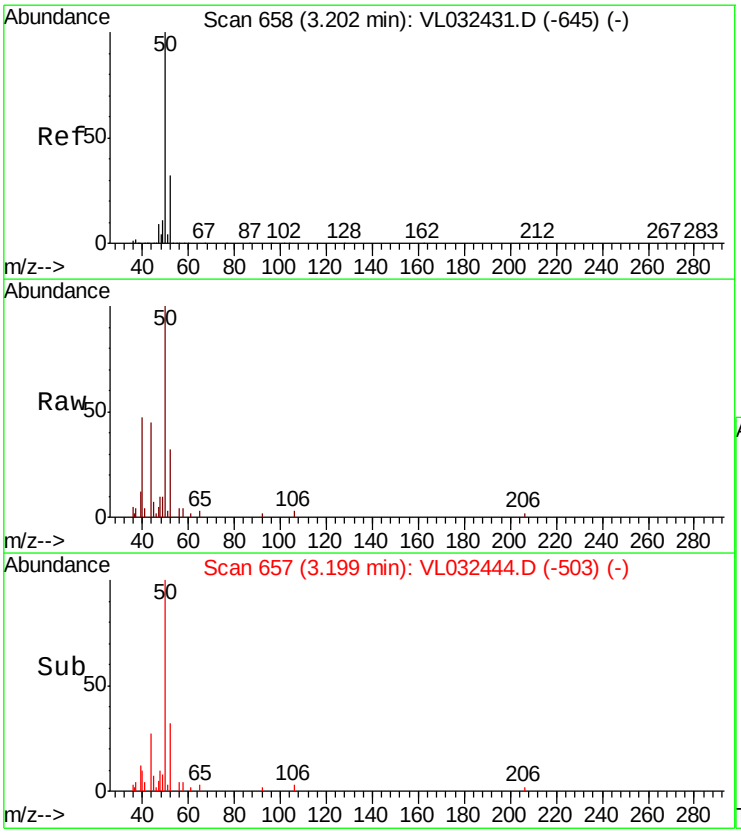
#3
Chlorodifluoromethane
Concen: 0.074 ppbv
RT: 3.04 min Scan# 608
Delta R.T. -0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 51 Resp: 13574

Ion	Ratio	Lower	Upper
51	100		
67	15.4	13.8	20.8

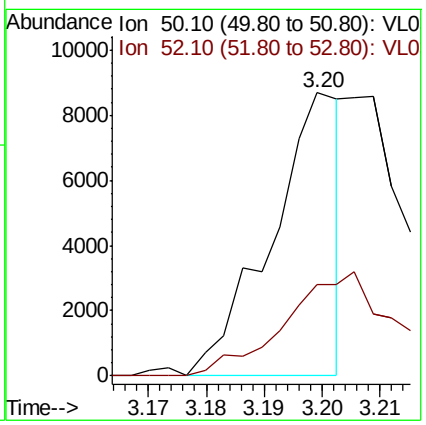


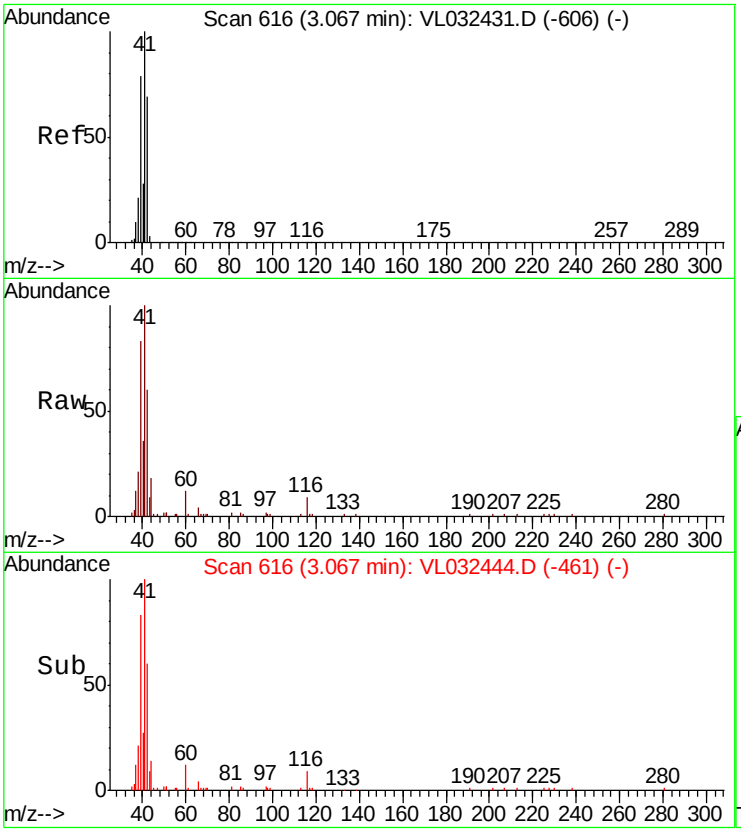


#4
Chloromethane
Concen: 0.065 ppbv
RT: 3.20 min Scan# 657
Delta R.T. -0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 50 Resp: 7234

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.6	38.4



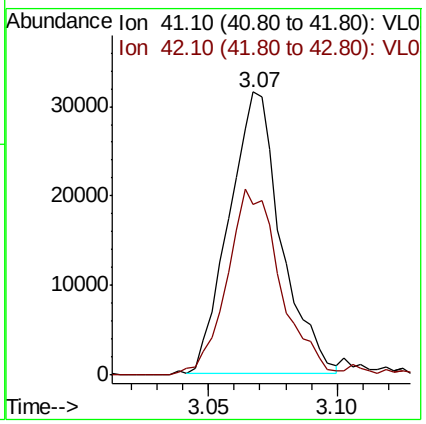


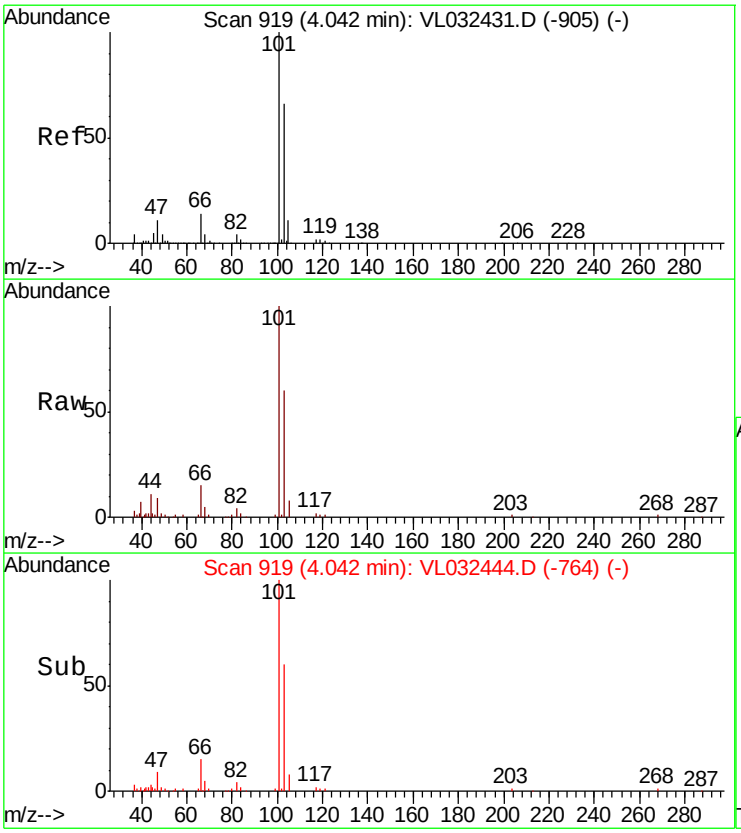
#9
Propene
Concen: 0.598 ppbv
RT: 3.07 min Scan# 616
Delta R.T. -0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 41 Resp: 44240

Ion	Ratio	Lower	Upper
41	100		
42	69.7	56.6	84.8

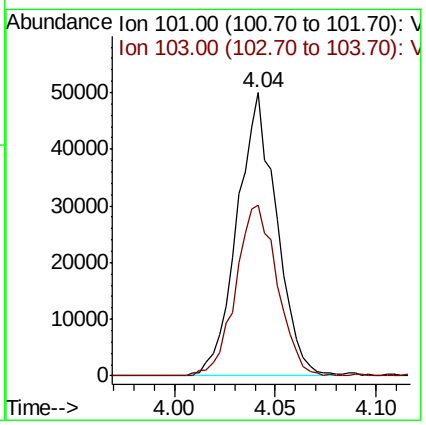


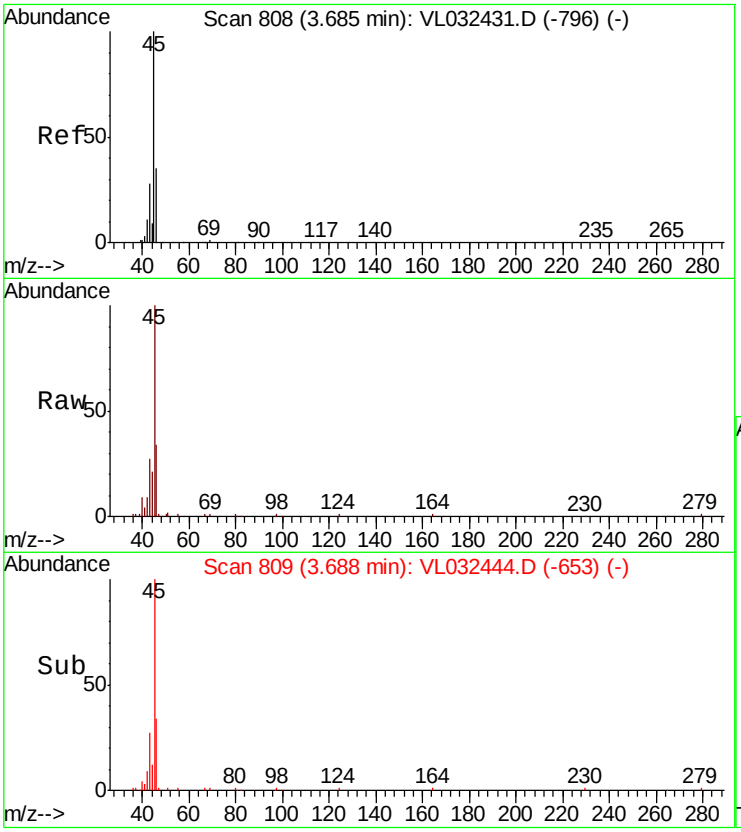


#11
Trichlorofluoromethane
Concen: 0.293 ppbv
RT: 4.04 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion:101 Resp: 68411

Ion	Ratio	Lower	Upper
101	100		
103	60.5	52.8	79.2



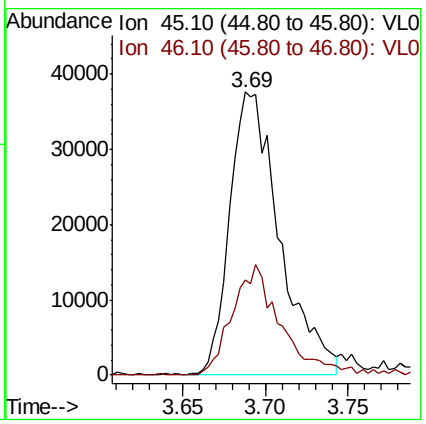


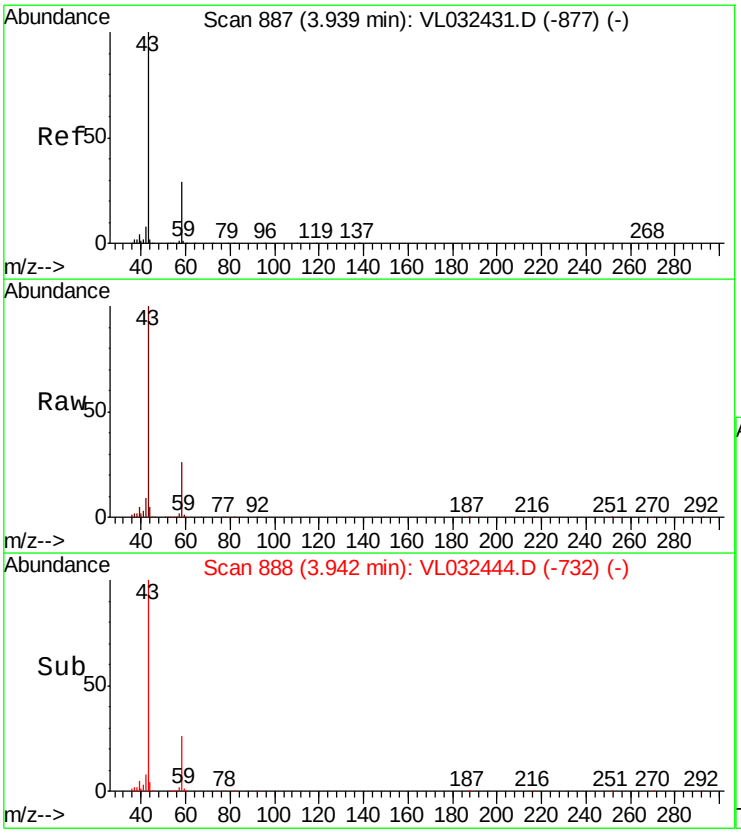
#13
Ethanol
Concen: 3.430 ppbv
RT: 3.69 min Scan# 809
Delta R.T. 0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 45 Resp: 79123

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.2	56.8

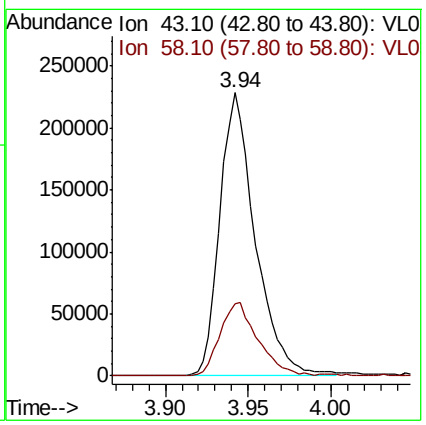


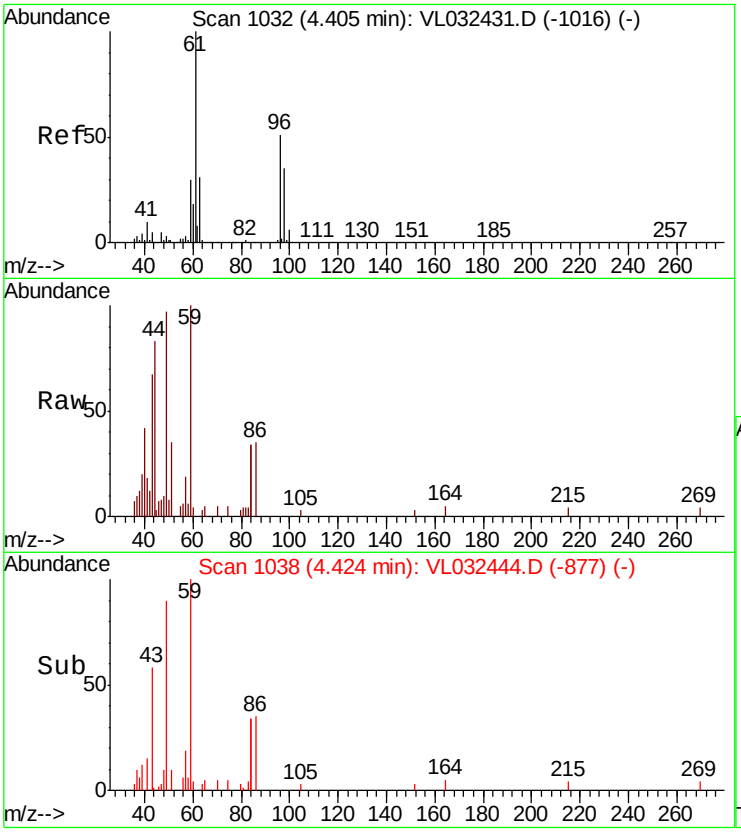


#15
Acetone
Concen: 1.856 ppbv
RT: 3.94 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 43 Resp: 338724

Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.6	33.8



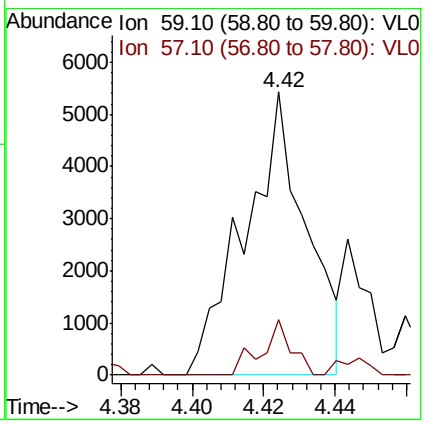


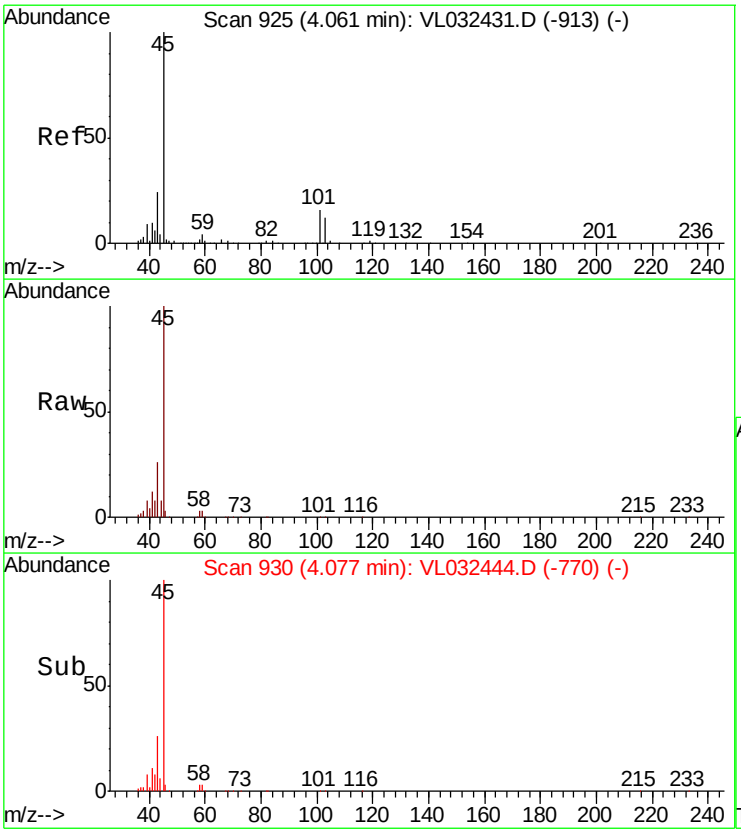
#17
tert-Butyl alcohol
Concen: 0.230 ppbv
RT: 4.42 min Scan# 1038
Delta R.T. 0.02 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 59 Resp: 6449

Ion	Ratio	Lower	Upper
59	100		
57	12.5	0.0	0.0#

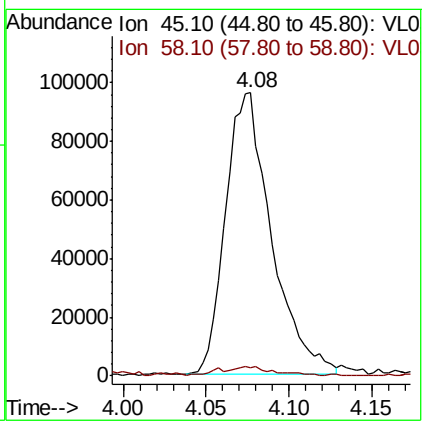


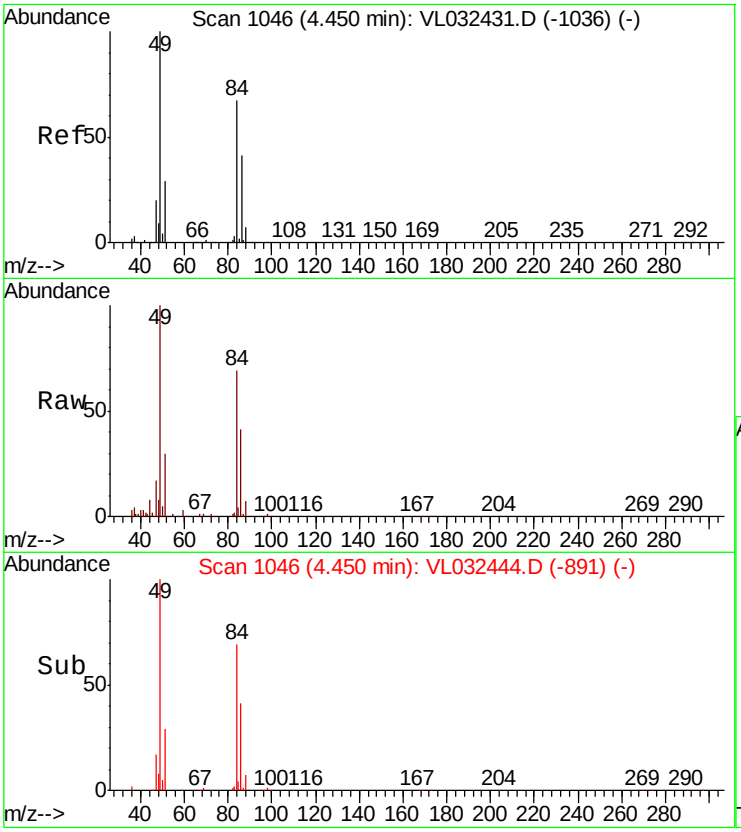


#19
Isopropyl Alcohol
Concen: 1.550 ppbv
RT: 4.08 min Scan# 930
Delta R.T. 0.02 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 45 Resp: 185537

Ion	Ratio	Lower	Upper
45	100		
58	4.1	2.0	3.0#



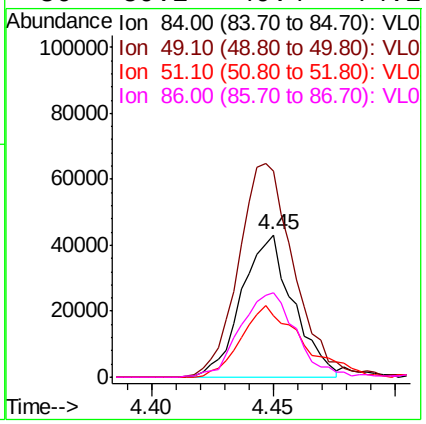


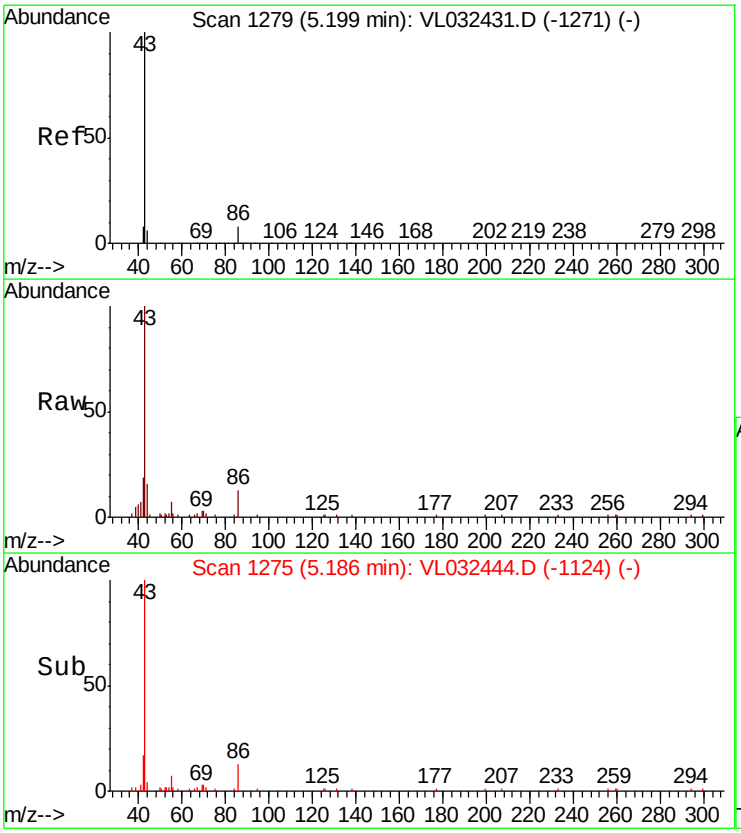
#20
Methylene Chloride
Concen: 0.906 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument : MSVOA_L
ClientSampleId : SS-2DL

Tgt Ion: 84 Resp: 63023

Ion	Ratio	Lower	Upper
84	100		
49	143.8	119.1	178.7
51	43.0	35.2	52.8
86	59.2	49.4	74.2

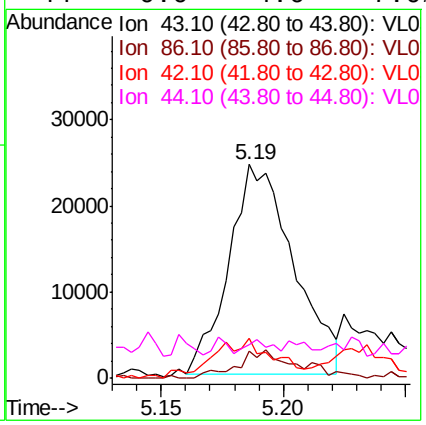


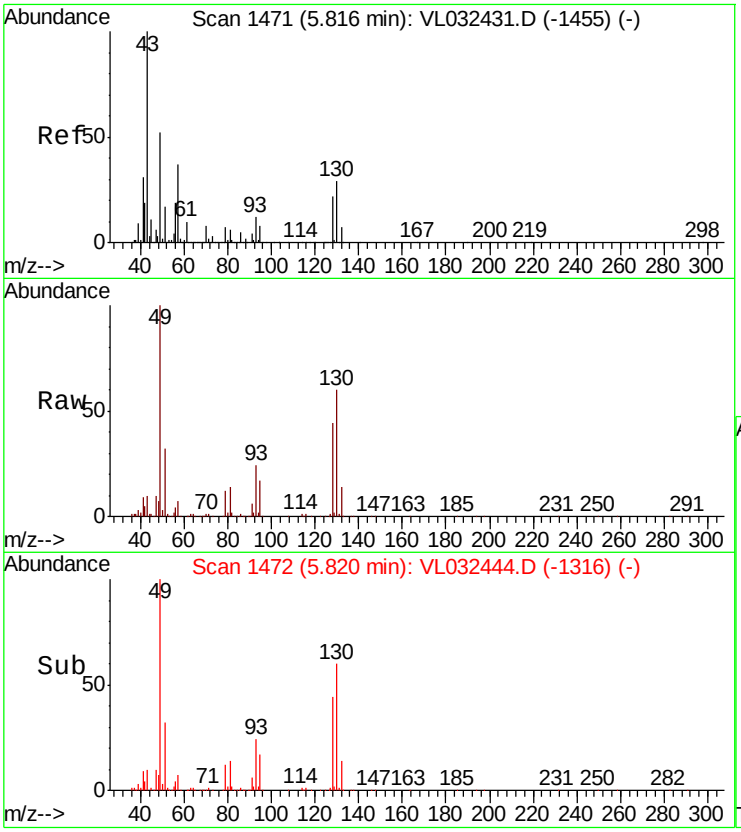


#23
Vinyl Acetate
Concen: 0.148 ppbv
RT: 5.19 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 43 Resp: 44918

Ion	Ratio	Lower	Upper
43	100		
86	12.8	5.9	8.9#
42	16.2	6.9	10.3#
44	0.0	4.6	7.0#



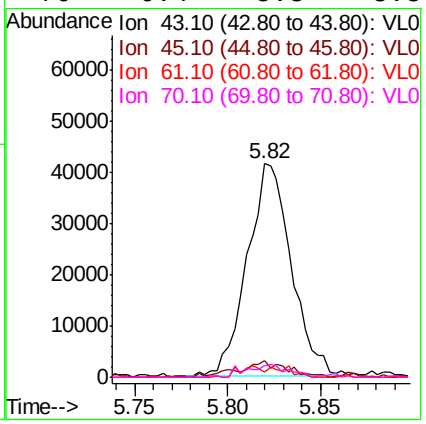


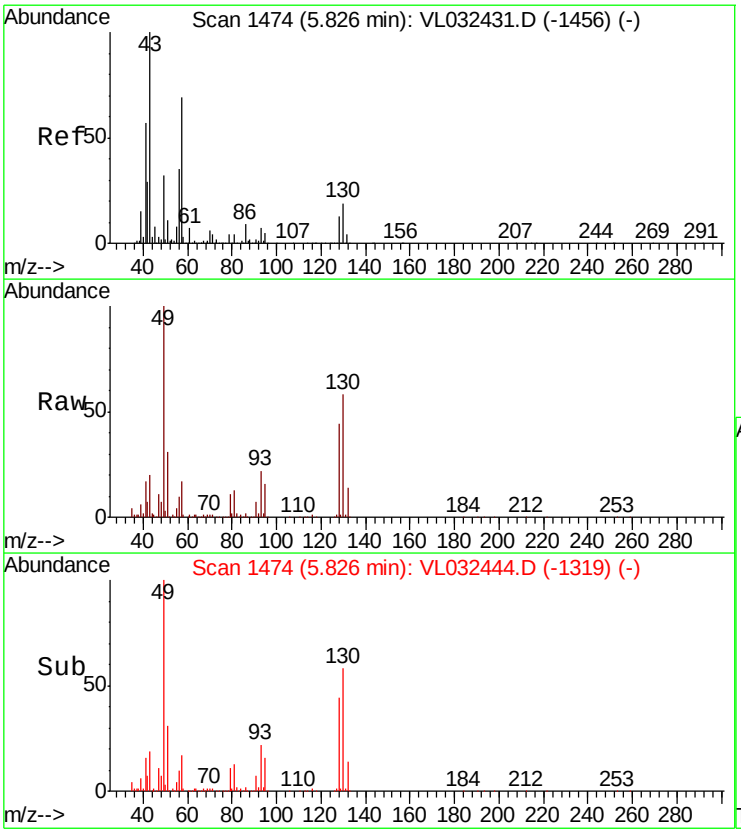
#25
Ethyl Acetate
Concen: 0.159 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument : MSVOA_L
ClientSampleId : SS-2DL

Tgt Ion: 43 Resp: 68433

Ion	Ratio	Lower	Upper
43	100		
45	9.0	8.0	12.0
61	5.5	7.6	11.4#
70	6.4	5.8	8.8

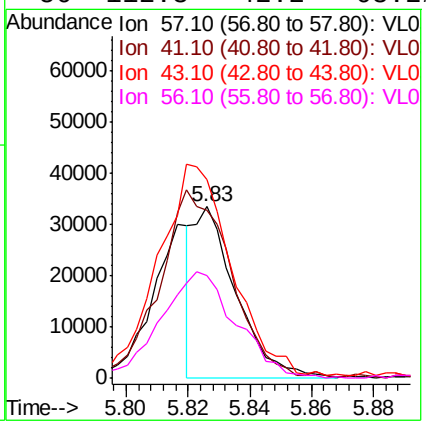


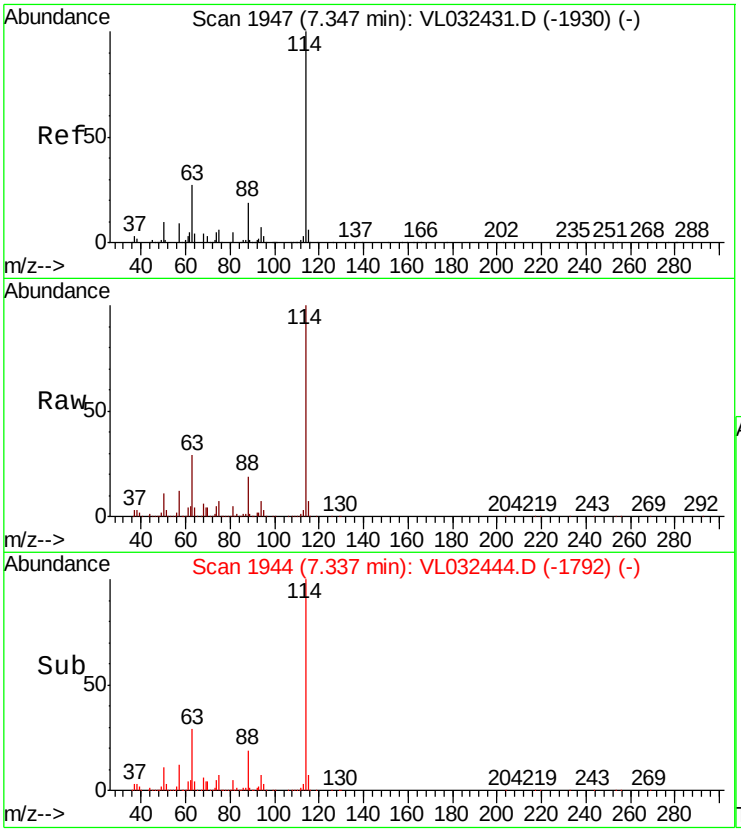


#26
Hexane
Concen: 0.162 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 57 Resp: 31356

Ion	Ratio	Lower	Upper
57	100		
41	192.4	69.0	103.4#
43	216.3	172.1	258.1
56	112.3	42.2	63.2#



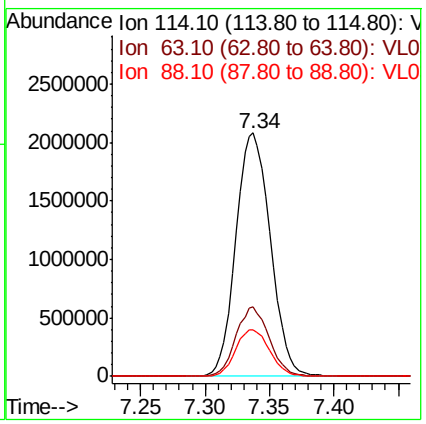


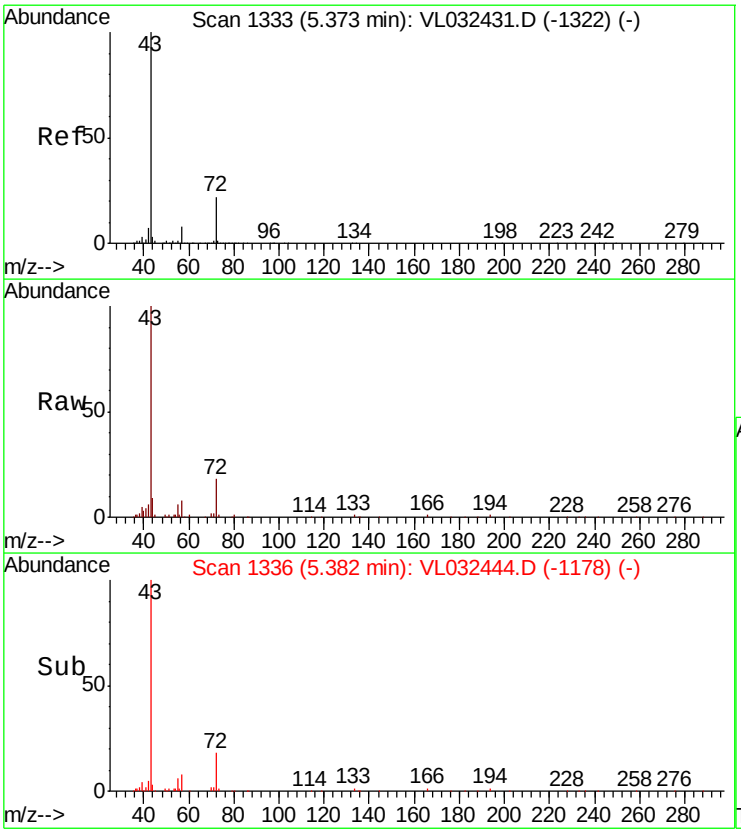
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion:114 Resp: 3878599

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.9	15.0	22.4

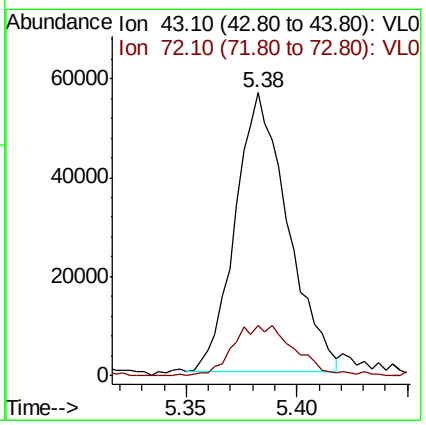


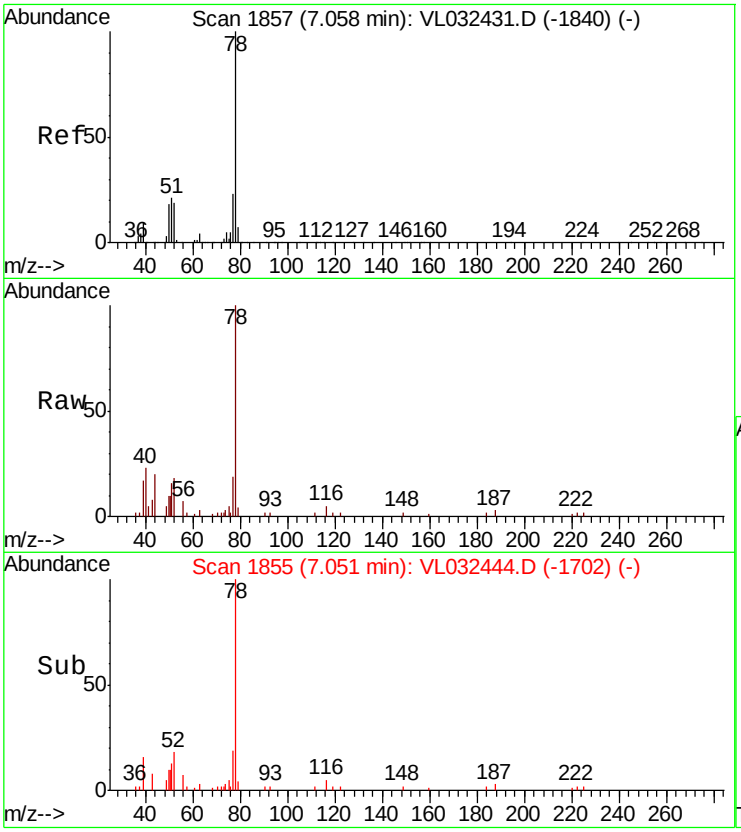


#34
2-Butanone
Concen: 0.363 ppbv
RT: 5.38 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 43 Resp: 93536

Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.8	26.6



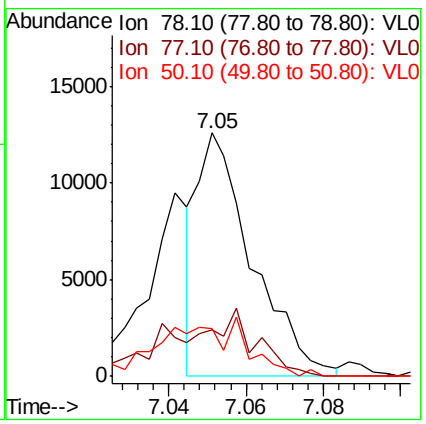


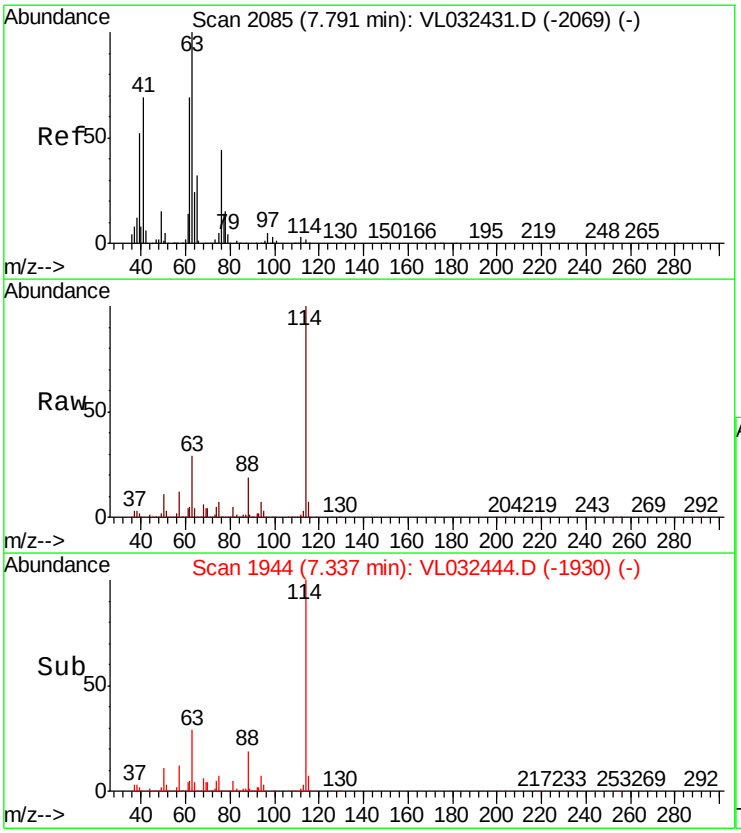
#36
Benzene
Concen: 0.037 ppbv
RT: 7.05 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument : MSVOA_L
ClientSampleId : SS-2DL

Tgt Ion: 78 Resp: 12321

Ion	Ratio	Lower	Upper
78	100		
77	15.9	18.4	27.6#
50	20.6	14.4	21.6

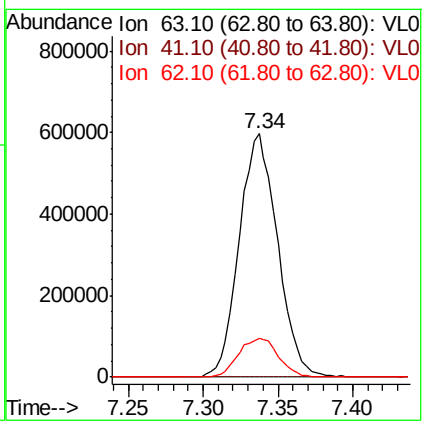


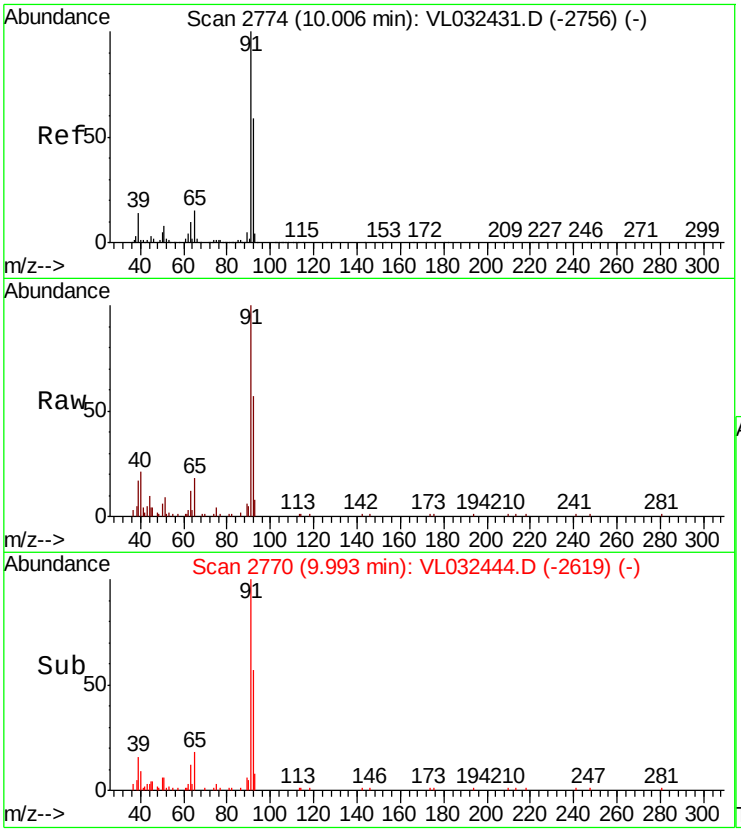


#39
1,2-Dichloropropane
Concen: 7.534 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.45 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion: 63 Resp: 1063936

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.4	83.0#
62	15.9	55.4	83.0#



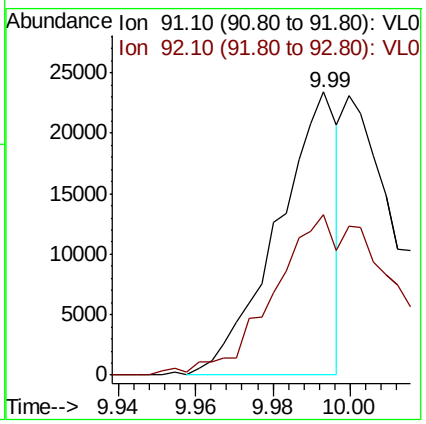


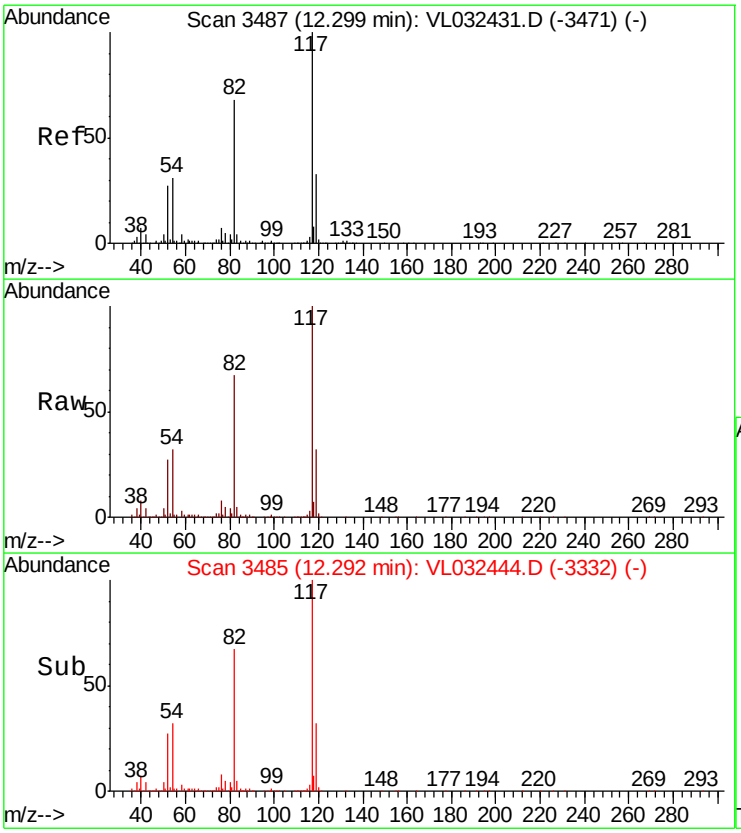
#53
Toluene
Concen: 0.073 ppbv
RT: 9.99 min Scan# 2770
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument : MSVOA_L
ClientSampleId : SS-2DL

Tgt Ion: 91 Resp: 25296

Ion	Ratio	Lower	Upper
91	100		
92	111.6	48.1	72.1#

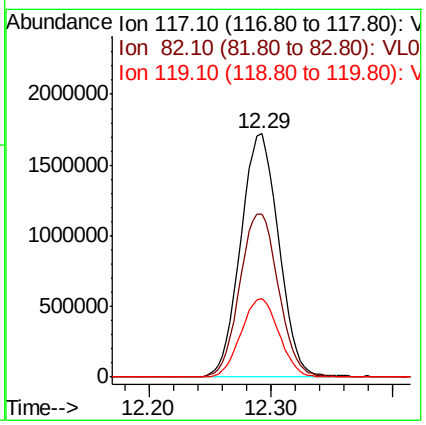


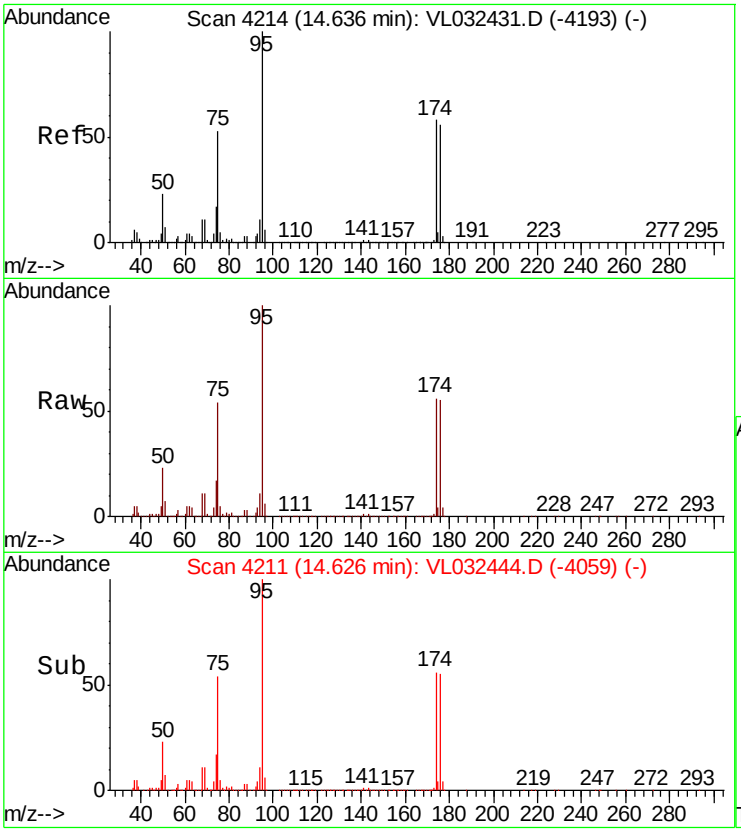


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion:117 Resp: 3712358

Ion	Ratio	Lower	Upper
117	100		
82	68.8	53.0	79.6
119	32.4	45.9	68.9#



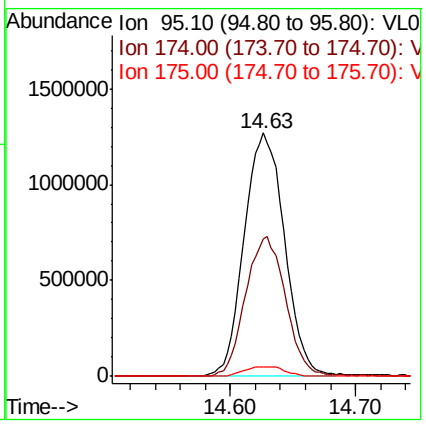


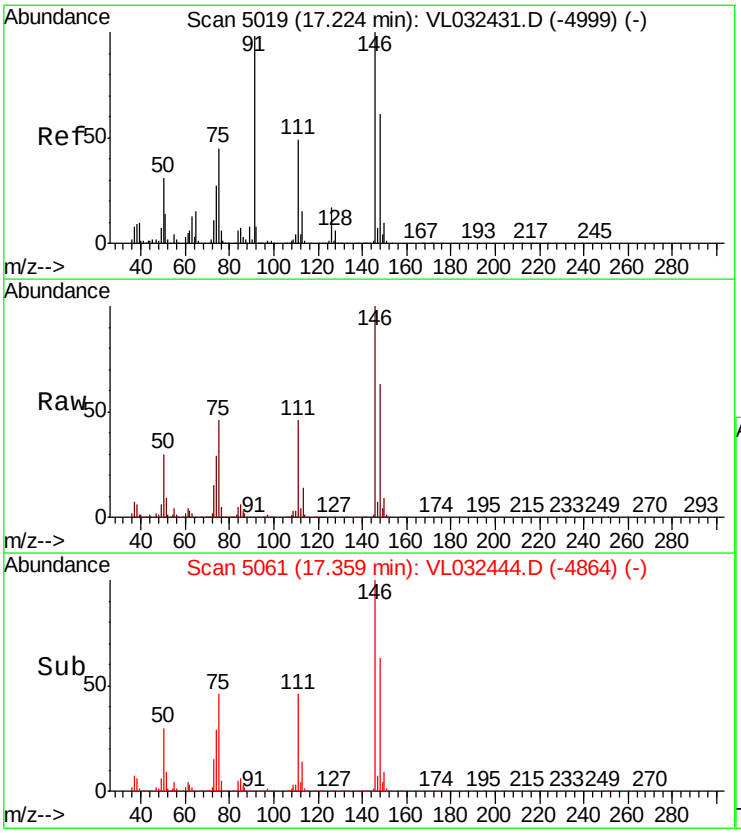
#68
1-Bromo-4-Fluorobenzene
Concen: 10.291 ppbv
RT: 14.63 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 95 Resp: 2836271

Ion	Ratio	Lower	Upper
95	100		
174	57.5	46.3	69.5
175	4.2	3.4	5.0

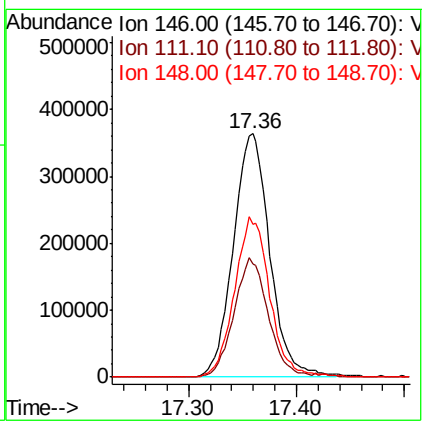


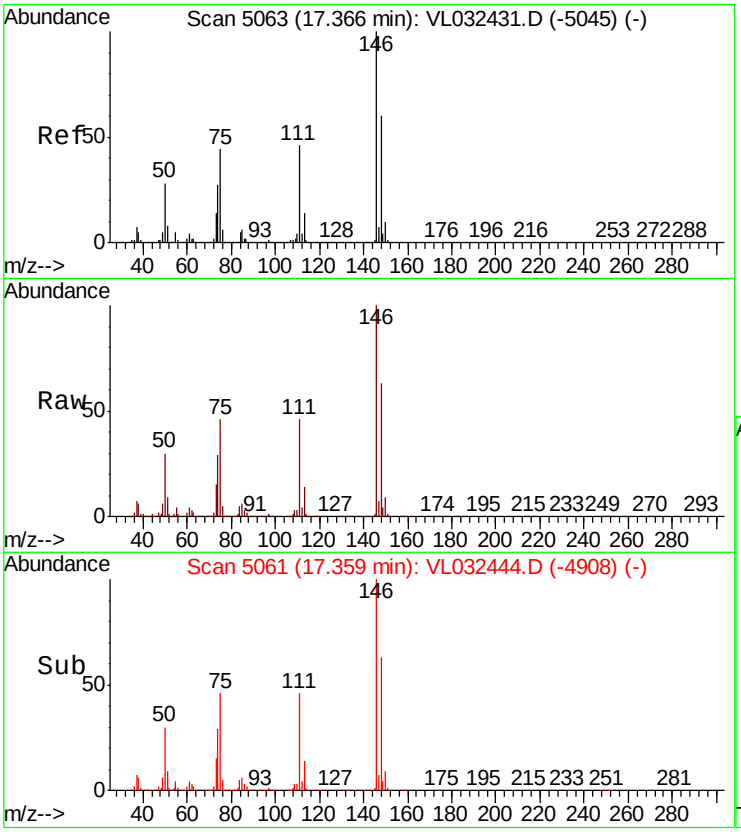


#75
1,3-Dichlorobenzene
Concen: 3.098 ppbv
RT: 17.36 min Scan# 5061
Delta R.T. 0.13 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Tgt Ion:146 Resp: 855233

Ion	Ratio	Lower	Upper
146	100		
111	46.8	24.5	73.5
148	63.7	32.0	96.2





#76
1,4-Dichlorobenzene
Concen: 3.339 ppbv
RT: 17.36 min Scan# 5061
Delta R.T. -0.01 min
Lab File: VL032444.D
Acq: 31 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion:146 Resp: 855233

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.2
148	63.8	32.0	96.2