Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033474.D
Acq On : 27 Mar 2019 18:45
Operator : SY/AP
Sample : K2042-11DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	762560	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1769071	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1775702	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1370905	9.85	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	7641	0.069	ppbv		92
3) Chlorodifluoromethane	2.99	51	206407	2.351	ppbv	#	58
9) Propene	3.05	41	4109	0.111	ppbv		93
13) Ethanol	3.65	45	86656	9.083	ppbv		67
15) Acetone	3.90	43	118469	1.292	ppbv		98
17) tert-Butyl alcohol	4.36	59	385	0.023	ppbv	#	73
19) Isopropyl Alcohol	4.03	45	10699	0.184	ppbv	#	70
20) Methylene Chloride	4.41	84	120438	3.094	ppbv		89
25) Ethyl Acetate	5.77	43	48351	0.284	ppbv	#	80
26) Hexane	5.77	57	64026	0.846	ppbv	#	40
34) 2-Butanone	5.34	43	2478	0.023	ppbv		93
39) 1,2-Dichloropropane	7.28	63	471967	8.117	ppbv	#	24
41) Tetrahydrofuran	5.77	42	28215	0.483	ppbv	#	50
53) Toluene	9.94	91	120193	0.697	ppbv		99

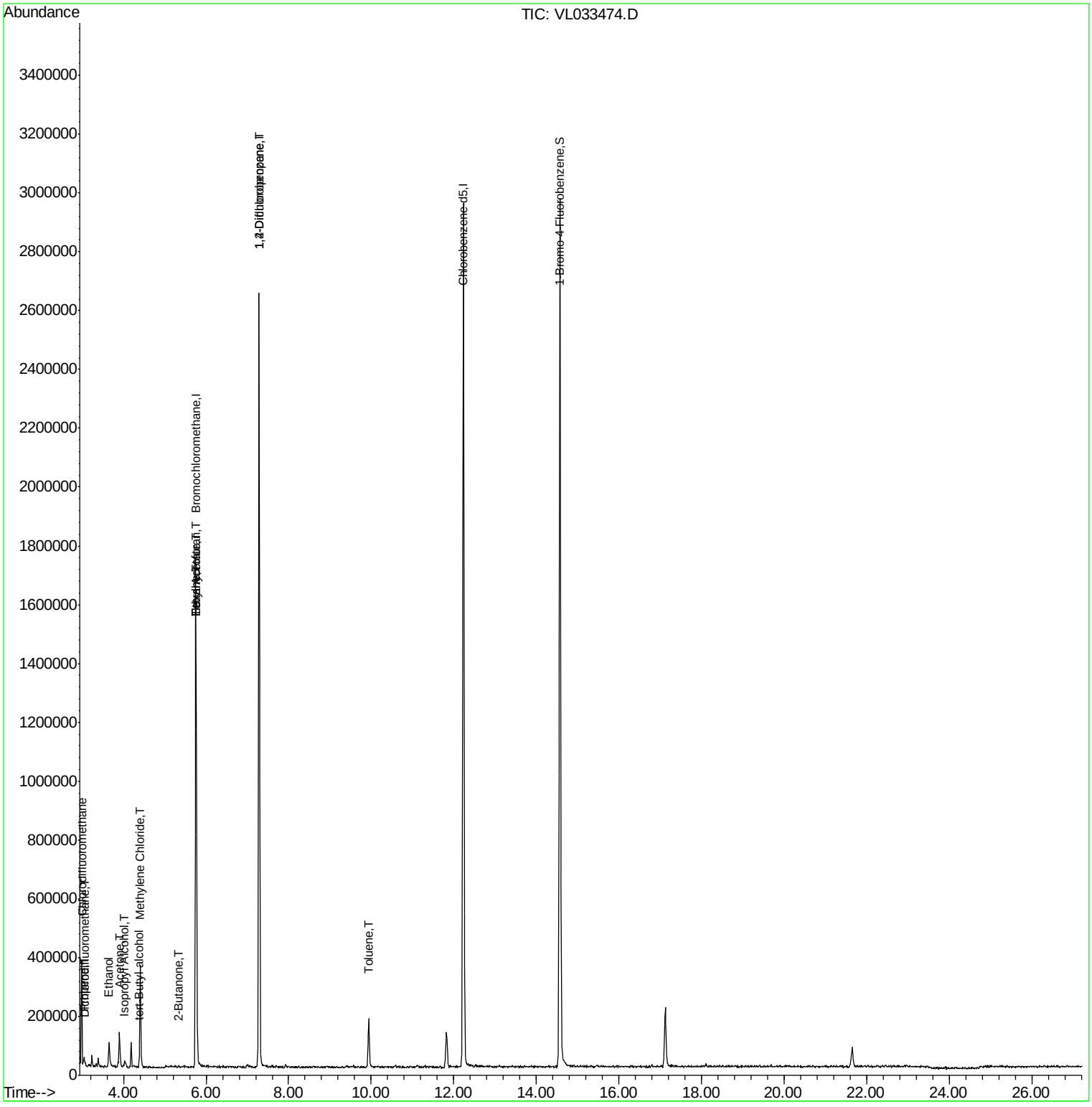
(#) = qualifier out of range (m) = manual integration (+) = signals summed

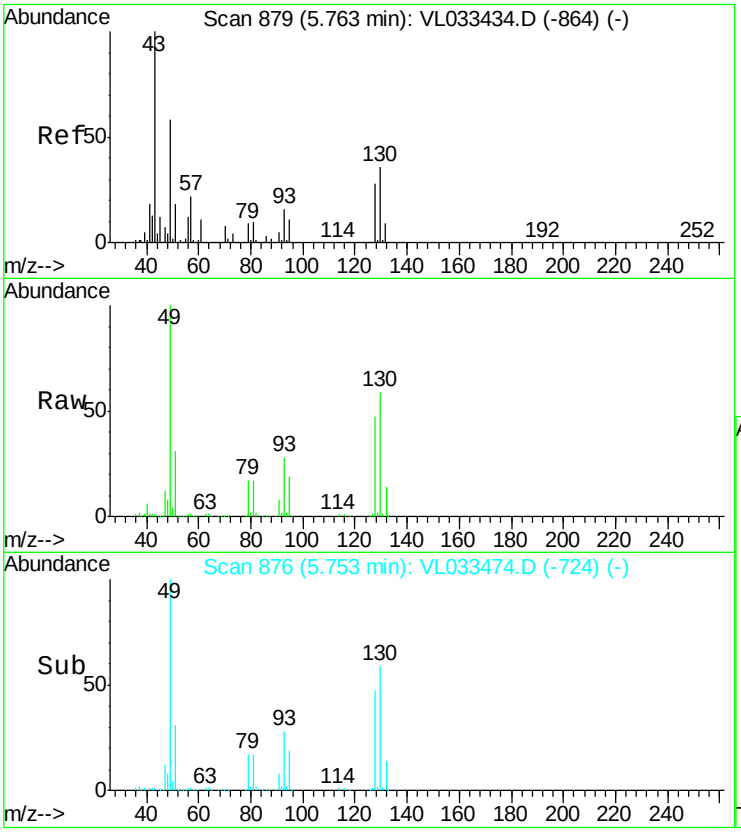
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033474.D
Acq On : 27 Mar 2019 18:45
Operator : SY/AP
Sample : K2042-11DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



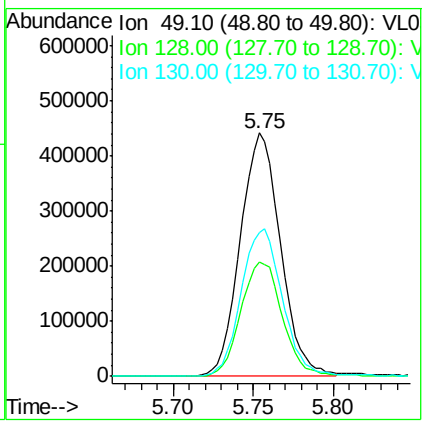


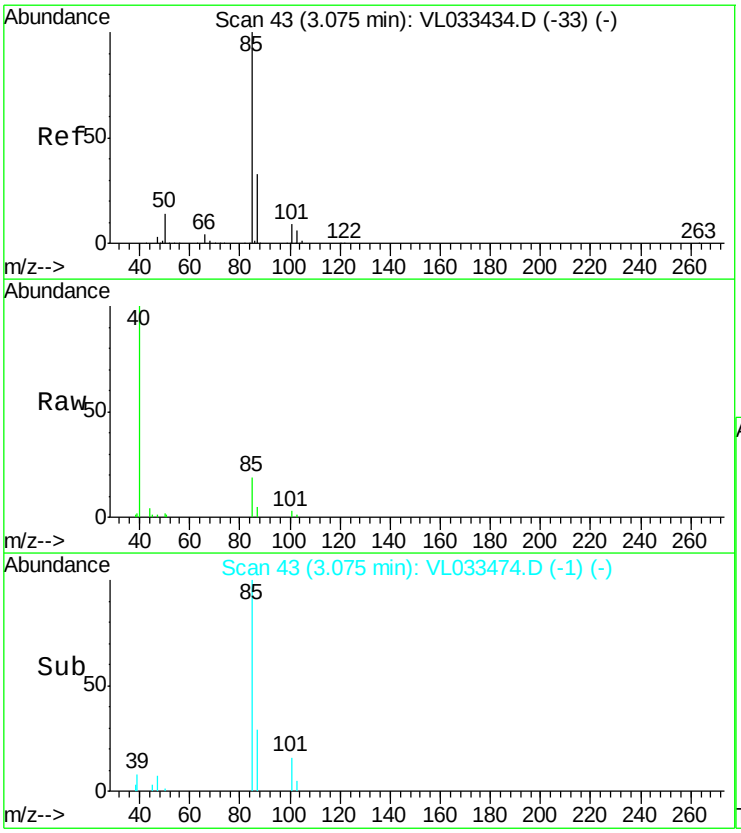
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 762560

Ion	Ratio	Lower	Upper
49	100		
128	48.6	24.0	72.0
130	62.6	31.2	93.6

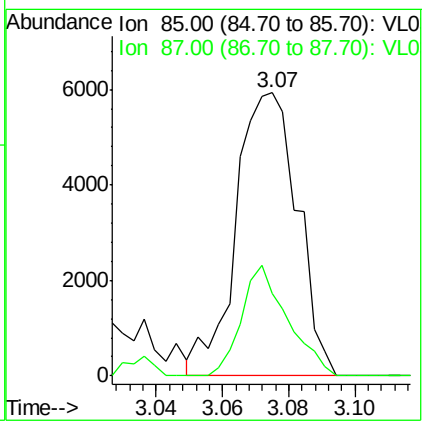


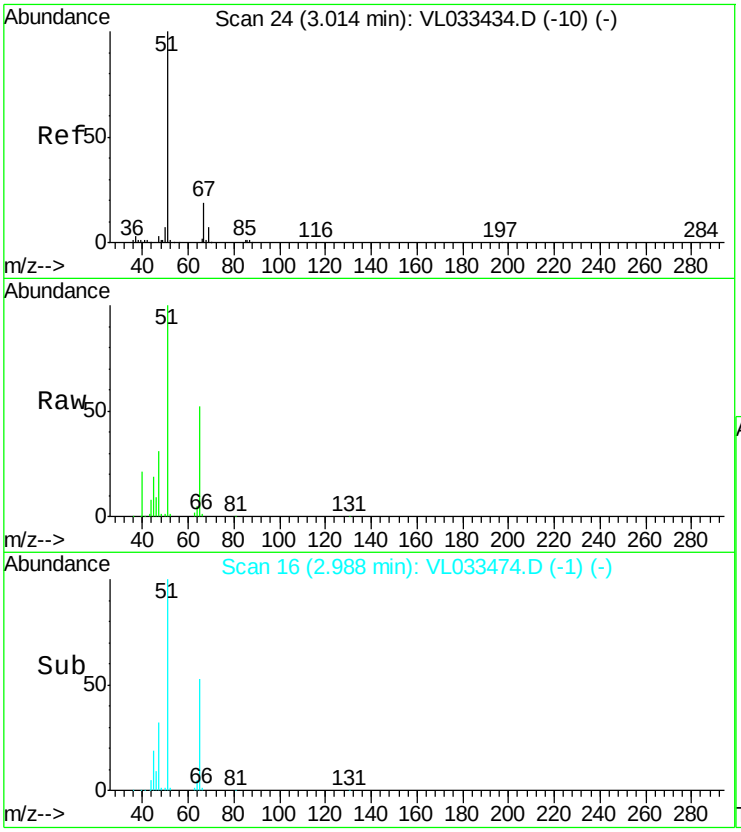


#2
Dichlorodifluoromethane
Concen: 0.069 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 85 Resp: 7641

Ion	Ratio	Lower	Upper
85	100		
87	28.9	26.7	40.1



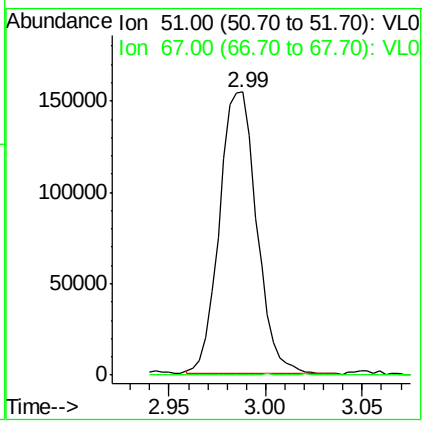


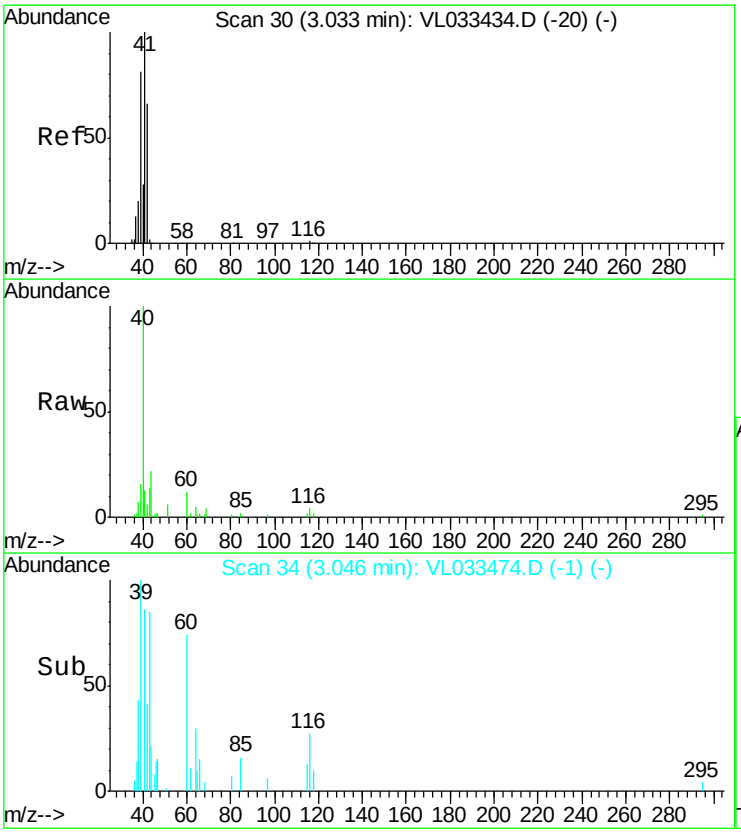
#3
Chlorodifluoromethane
Concen: 2.351 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 51 Resp: 206407

Ion	Ratio	Lower	Upper
51	100		
67	0.4	15.7	23.5#

Instrument :
MSVOA_L
ClientSampleId :

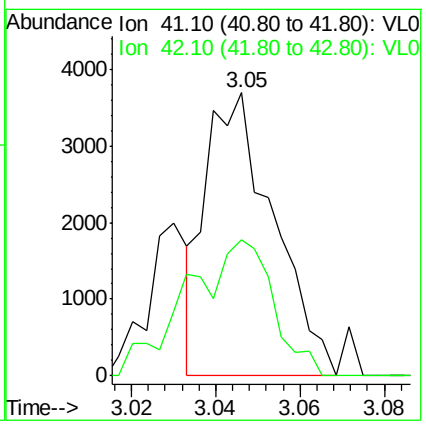


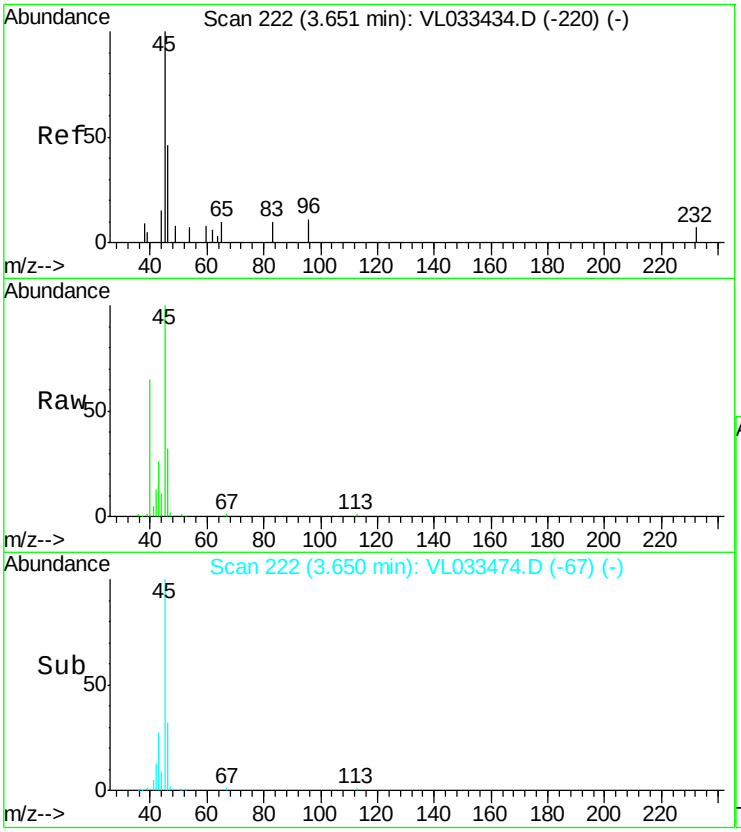


#9
Propene
Concen: 0.111 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 41 Resp: 4109

Ion	Ratio	Lower	Upper
41	100		
42	61.5	53.9	80.9



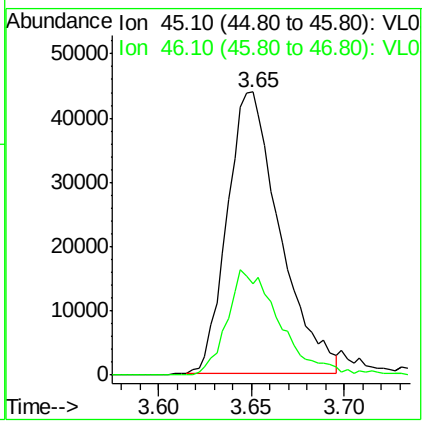


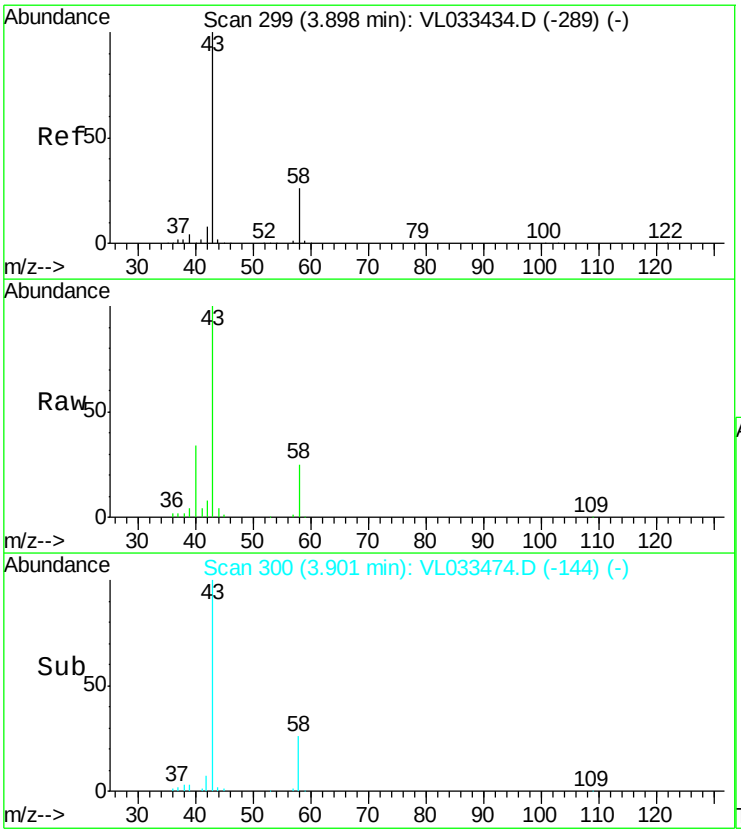
#13
Ethanol
Concen: 9.083 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 86656

Ion	Ratio	Lower	Upper
45	100		
46	37.6	25.4	101.8

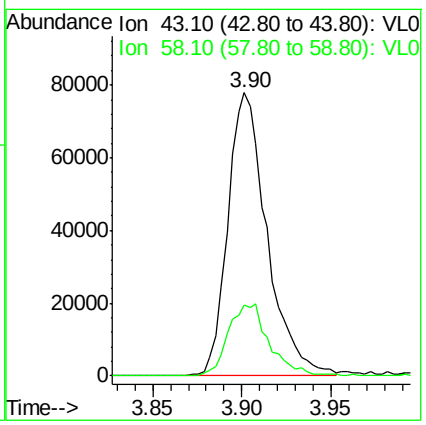


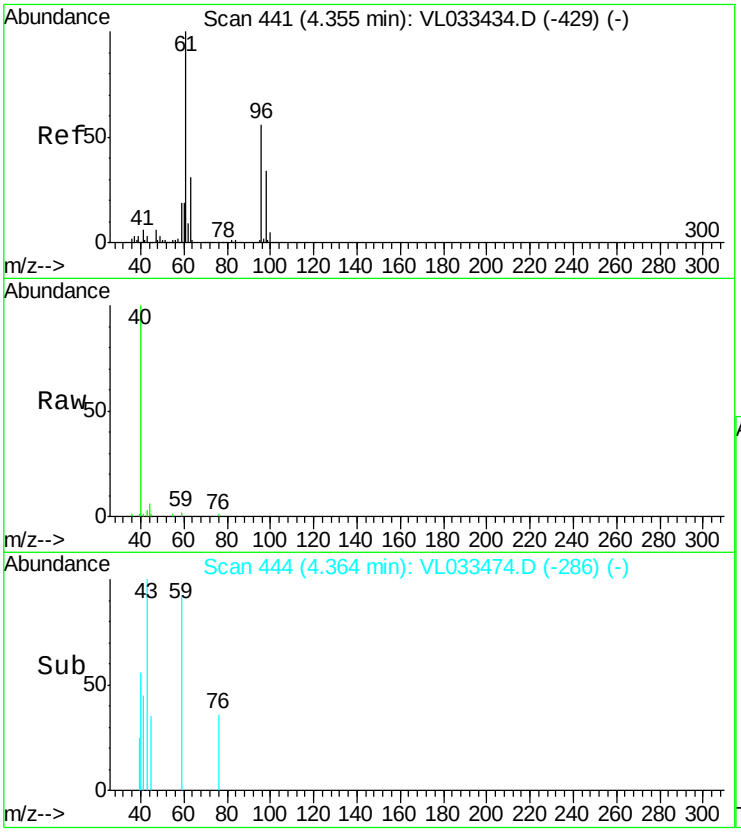


#15
Acetone
Concen: 1.292 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 43 Resp: 118469

Ion	Ratio	Lower	Upper
43	100		
58	26.8	20.5	30.7



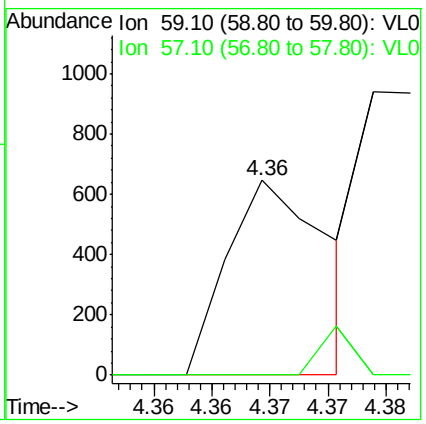


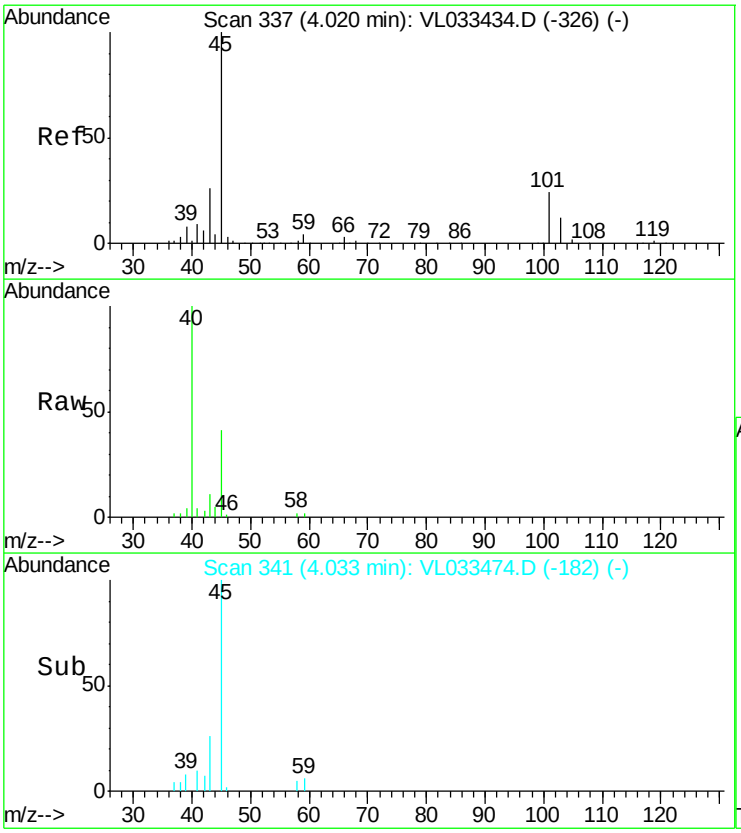
#17
tert-Butyl alcohol
Concen: 0.023 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 385

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

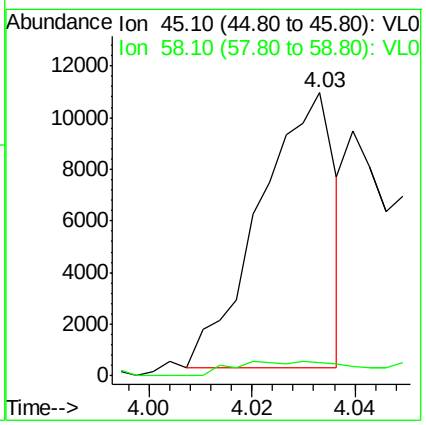


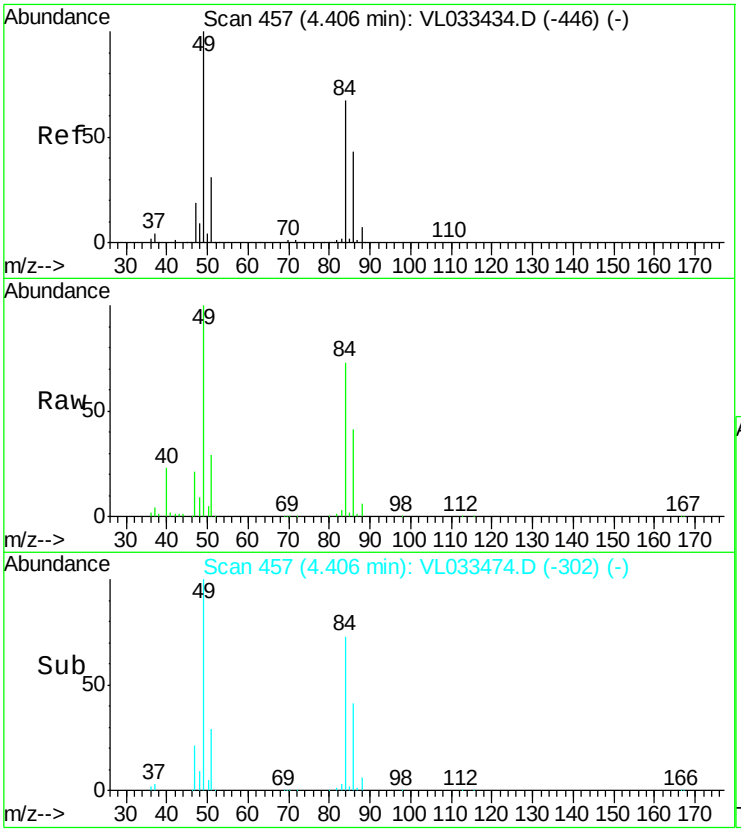


#19
Isopropyl Alcohol
Concen: 0.184 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 45 Resp: 10699

Ion	Ratio	Lower	Upper
45	100		
58	12.6	1.4	2.2#



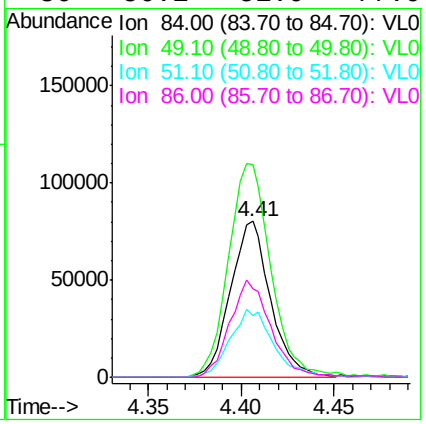


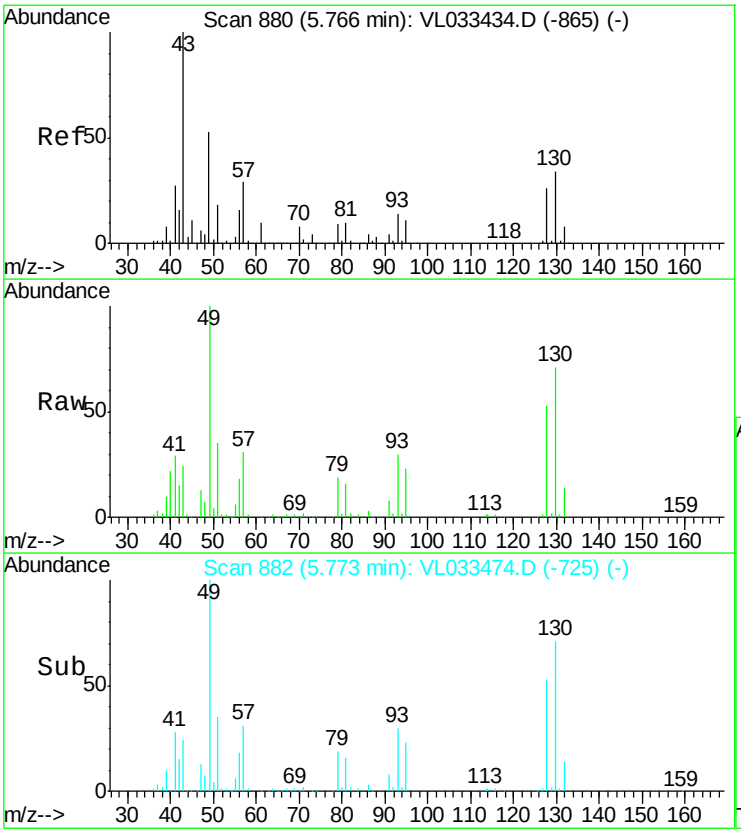
#20
Methylene Chloride
Concen: 3.094 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 120438

Ion	Ratio	Lower	Upper
84	100		
49	135.9	120.0	180.0
51	39.9	36.7	55.1
86	56.1	51.9	77.9

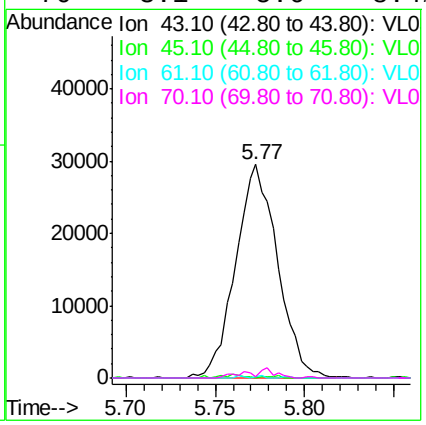


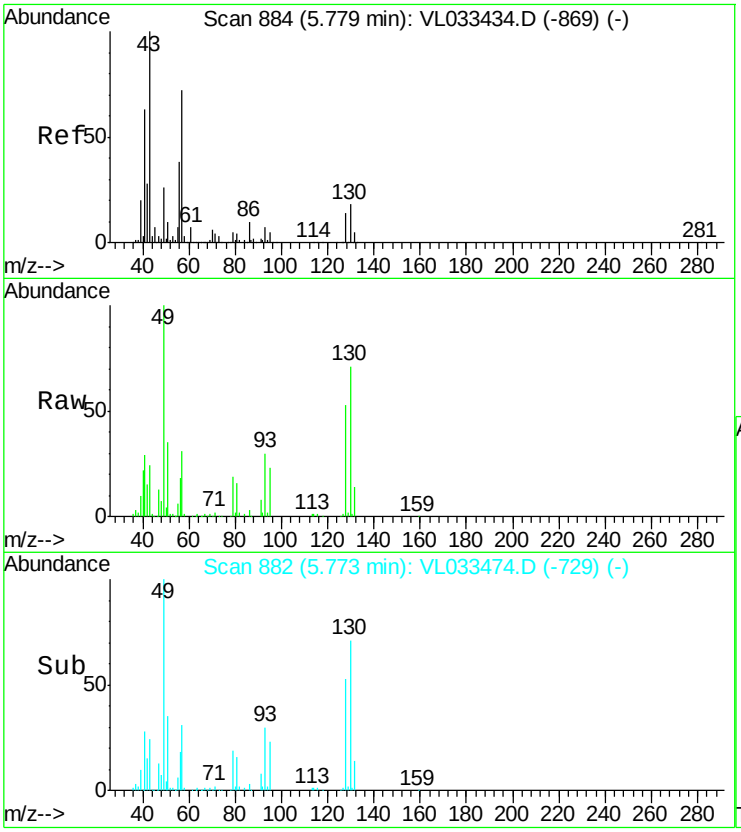


#25
Ethyl Acetate
Concen: 0.284 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 43 Resp: 48351

Ion	Ratio	Lower	Upper
43	100		
45	1.4	7.8	11.6#
61	0.5	7.3	10.9#
70	3.1	5.6	8.4#



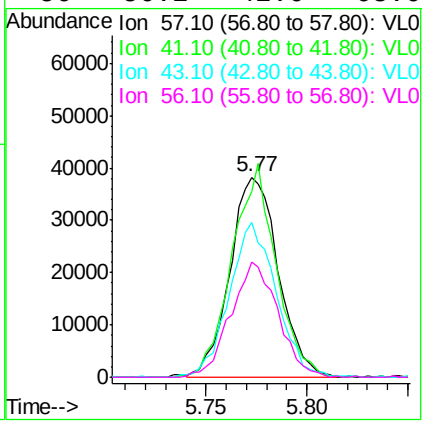


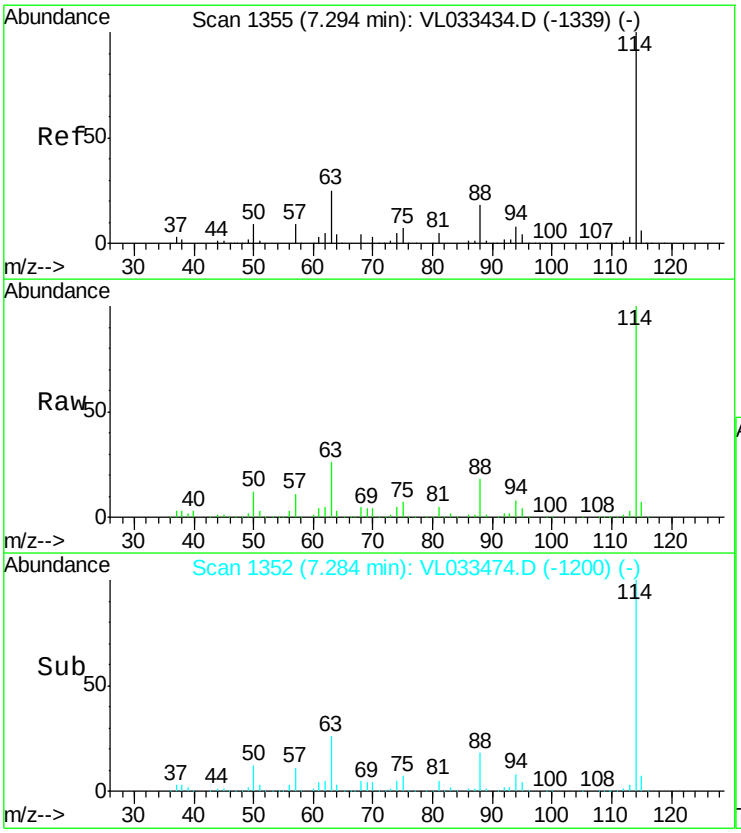
#26
Hexane
Concen: 0.846 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 64026

Ion	Ratio	Lower	Upper
57	100		
41	97.4	70.7	106.1
43	75.7	182.6	274.0#
56	56.2	42.0	63.0

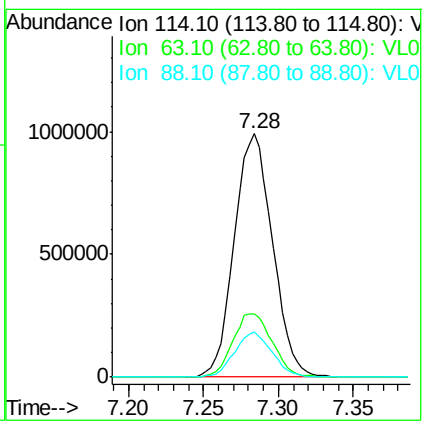


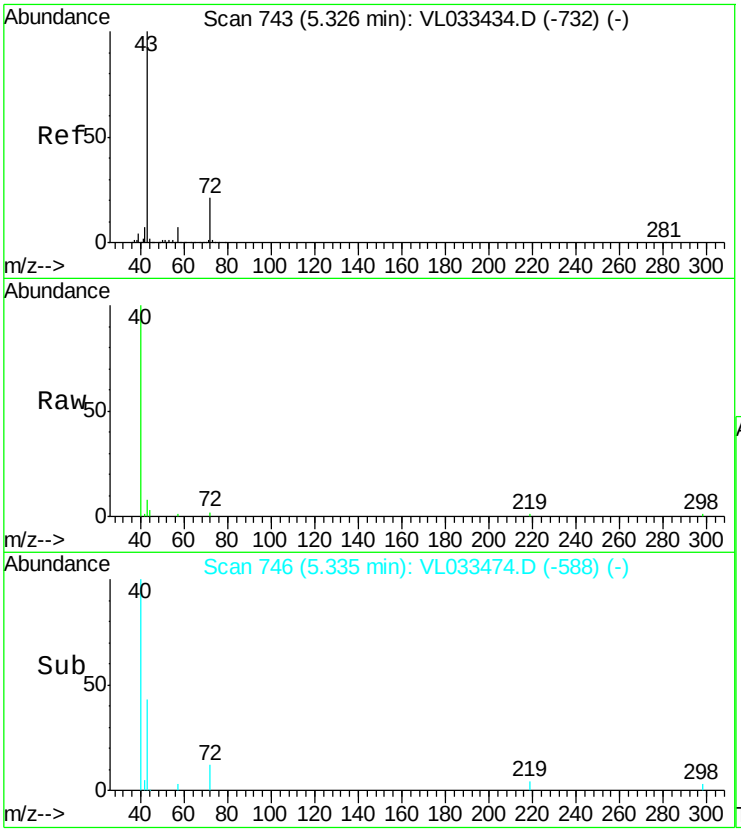


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion:114 Resp: 1769071

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.5	32.3
88	18.0	14.5	21.7



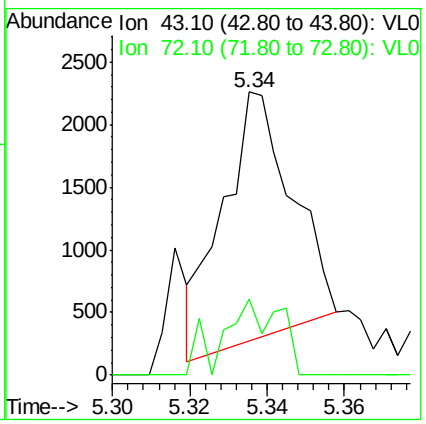


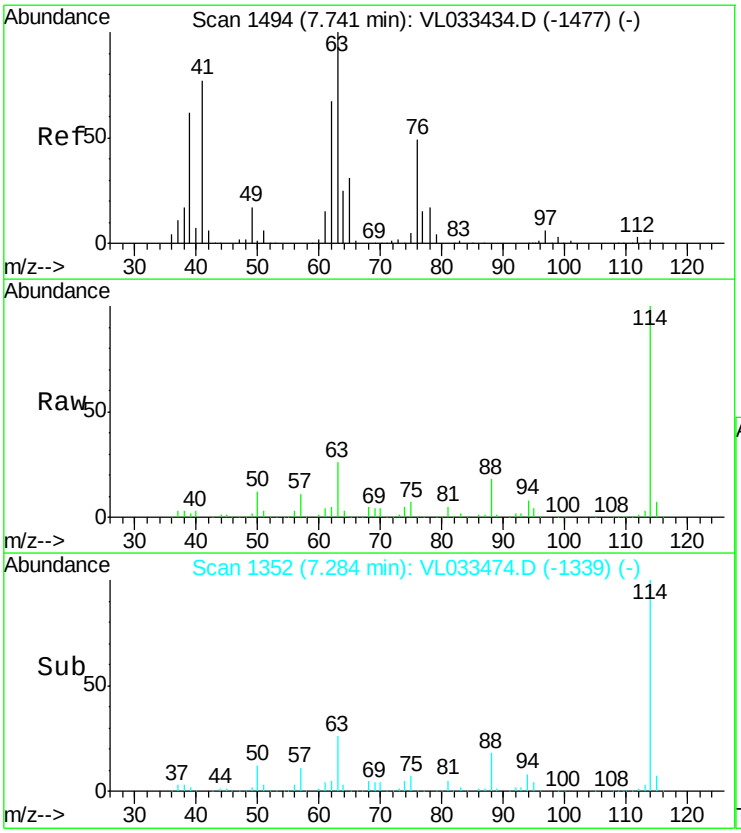
#34
2-Butanone
Concen: 0.023 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2478

Ion	Ratio	Lower	Upper
43	100		
72	25.0	17.4	26.2

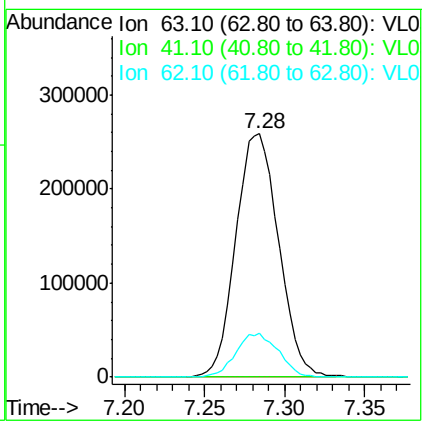


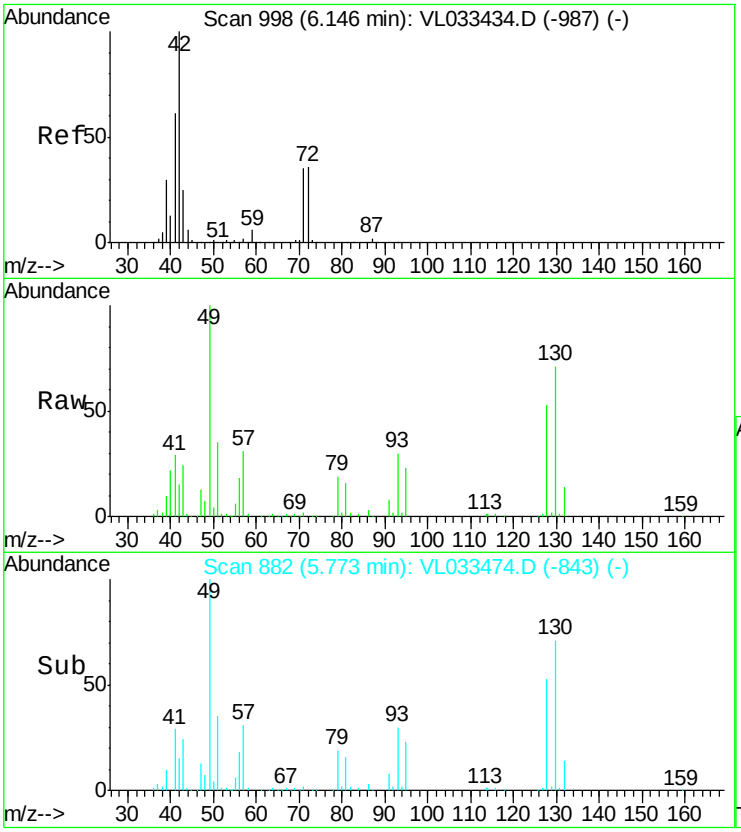


#39
1,2-Dichloropropane
Concen: 8.117 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.46 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 63 Resp: 471967

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	17.8	54.0	81.0#



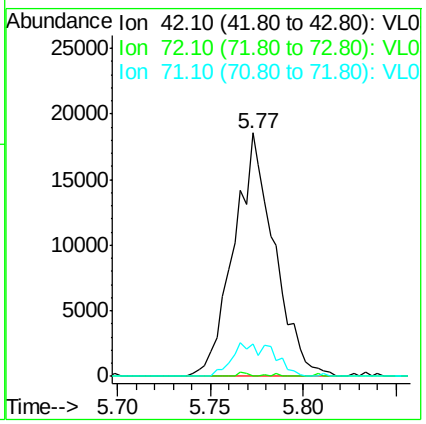


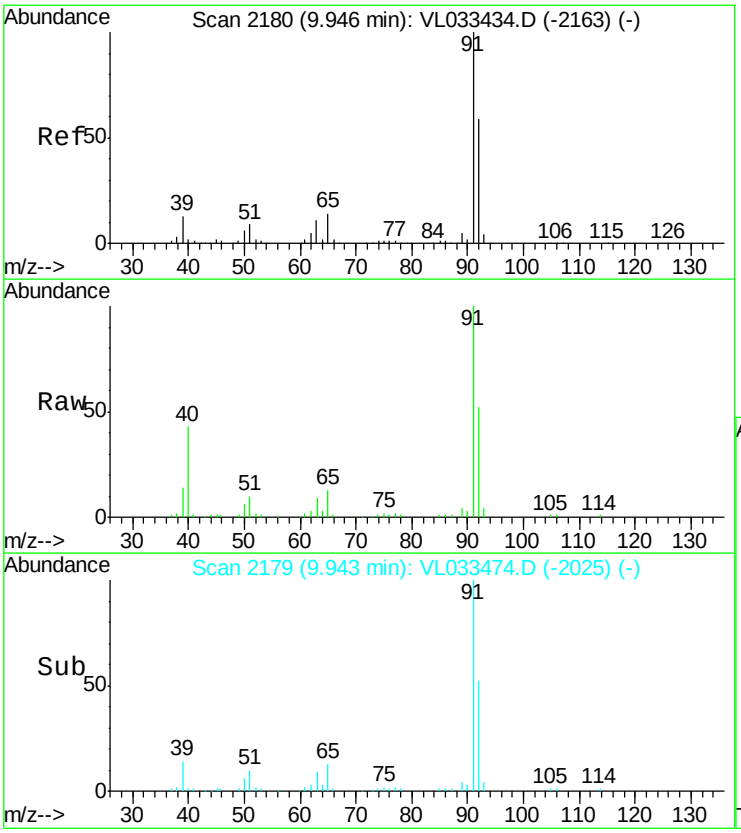
#41
Tetrahydrofuran
Concen: 0.483 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.37 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 28215

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	14.3	29.4	44.2#

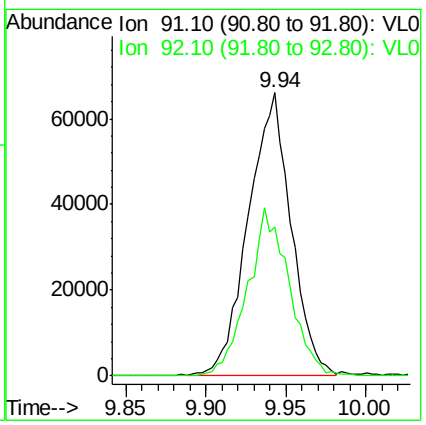


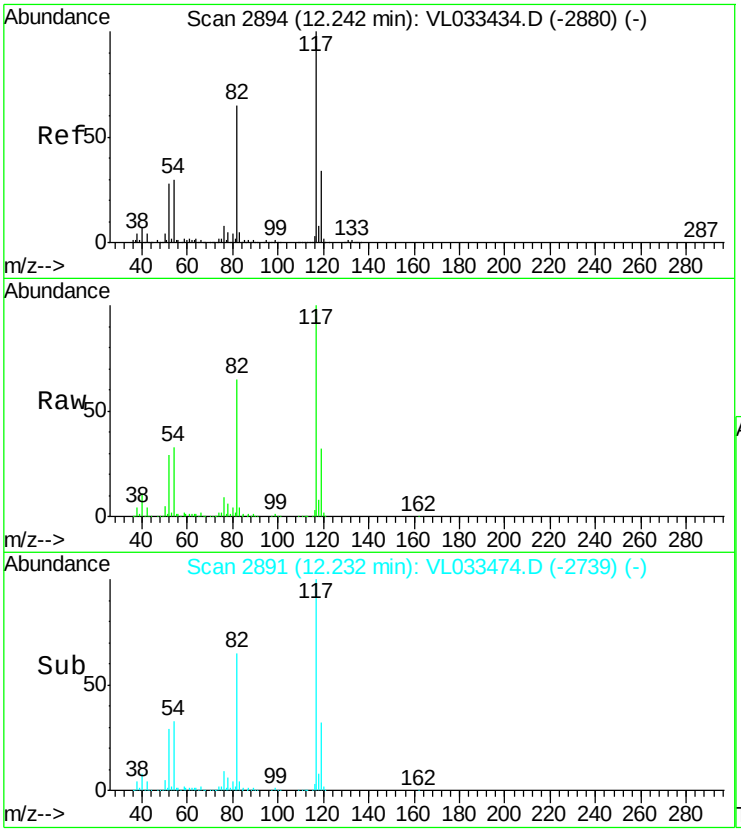


#53
Toluene
Concen: 0.697 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 91 Resp: 120193

Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.4	71.0



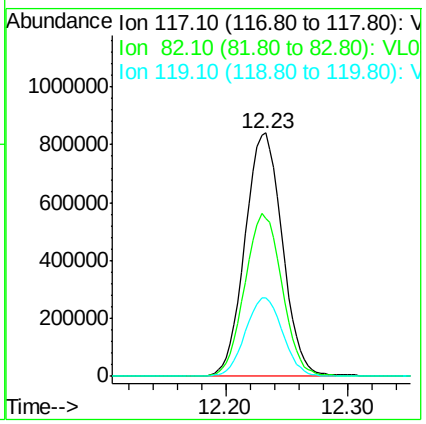


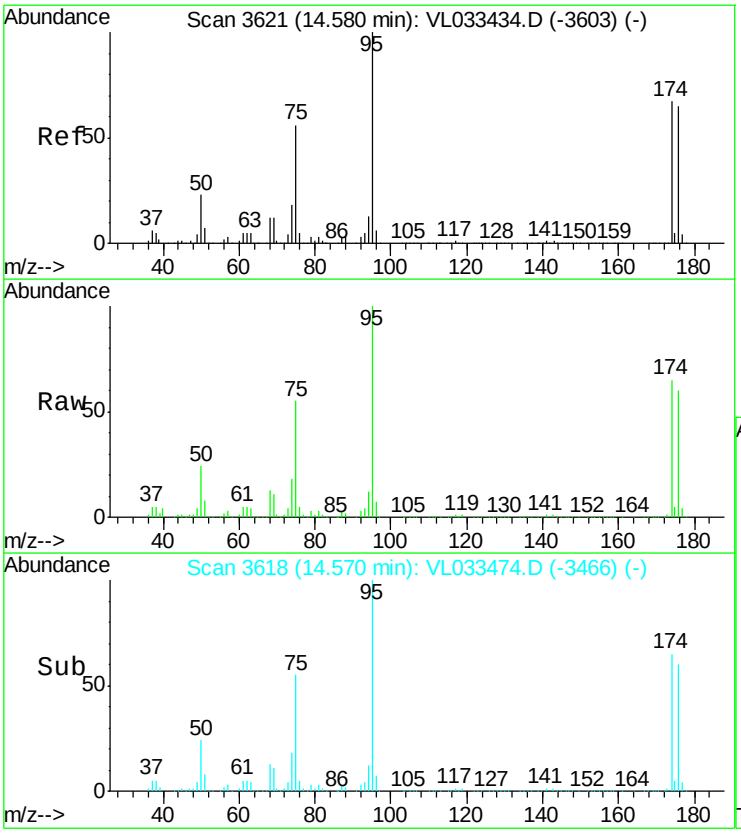
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1775702

Ion	Ratio	Lower	Upper
117	100		
82	67.4	51.5	77.3
119	32.3	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.848 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033474.D
Acq: 27 Mar 2019 18:45

Tgt Ion: 95 Resp: 1370905

Ion	Ratio	Lower	Upper
95	100		
174	66.3	52.9	79.3
175	4.8	3.8	5.6