Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033471.D
Acq On : 27 Mar 2019 16:43
Operator : SY/AP
Sample : K2042-10DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:28:29 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	746705	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1728280	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1737179	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1352862	9.93	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	7154	0.066	ppbv	#	83
3) Chlorodifluoromethane	2.99	51	3065274	35.657	ppbv	#	57
4) Chloromethane	3.17	50	4007	0.088	ppbv	#	82
8) Dichlorotetrafluoroethane	3.08	85	7154	0.062	ppbv	#	17
9) Propene	3.23	41	24472	0.678	ppbv		84
13) Ethanol	3.64	45	335239	35.885	ppbv		64
15) Acetone	3.90	43	60610	0.675	ppbv		91
19) Isopropyl Alcohol	4.03	45	27579	0.486	ppbv	#	84
20) Methylene Chloride	4.40	84	23165	0.608	ppbv		87
25) Ethyl Acetate	5.77	43	9399	0.056	ppbv	#	78
26) Hexane	5.77	57	26726	0.361	ppbv	#	38
30) Cyclohexane	7.26	84	1721	0.029	ppbv	#	1
34) 2-Butanone	5.33	43	2480	0.024	ppbv		97
39) 1,2-Dichloropropane	7.28	63	455858	8.025	ppbv	#	24
52) Tetrachloroethene	11.36	164	2321	0.042	ppbv	#	84
53) Toluene	9.94	91	50521	0.300	ppbv		98

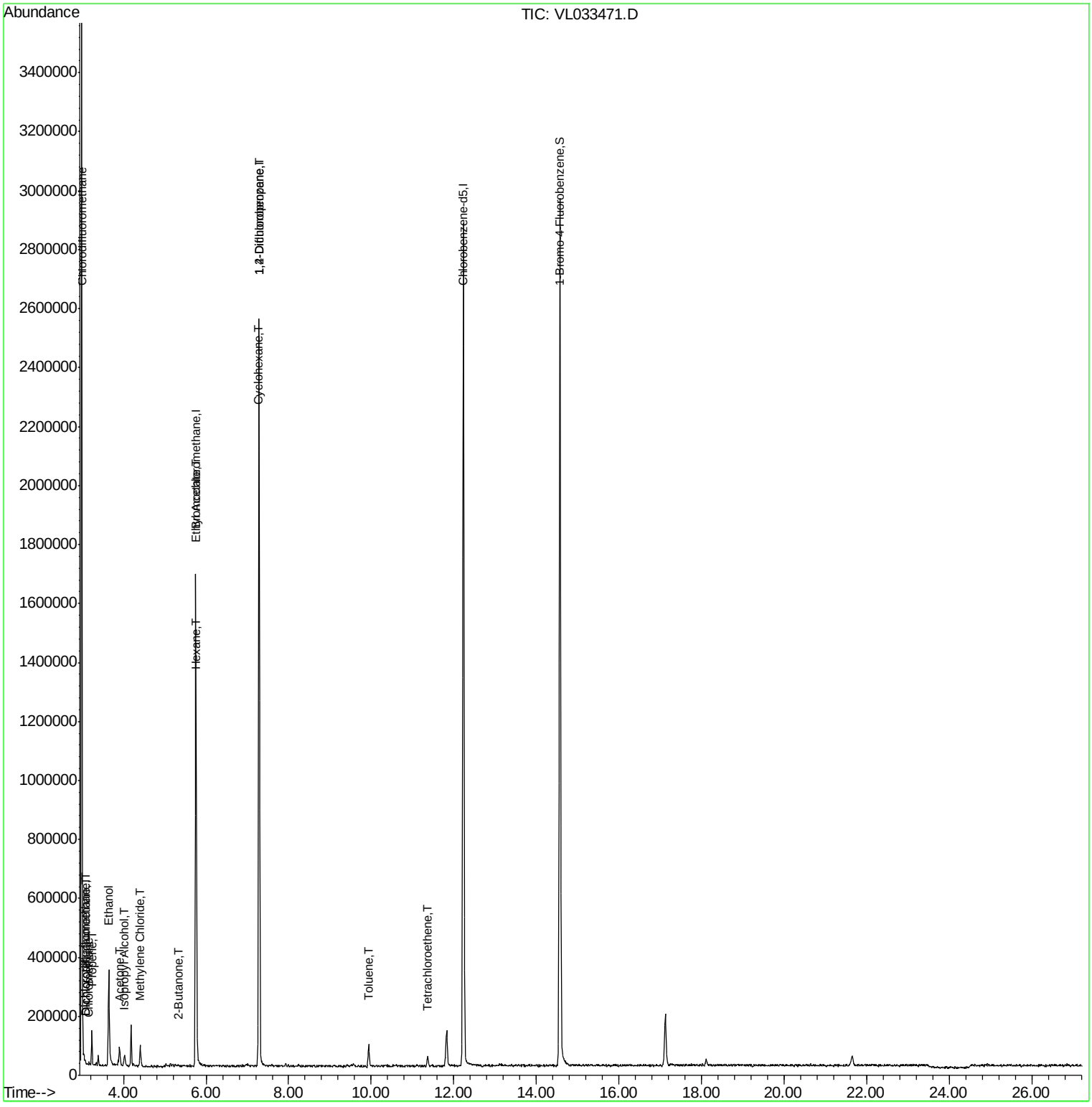
(#) = qualifier out of range (m) = manual integration (+) = signals summed

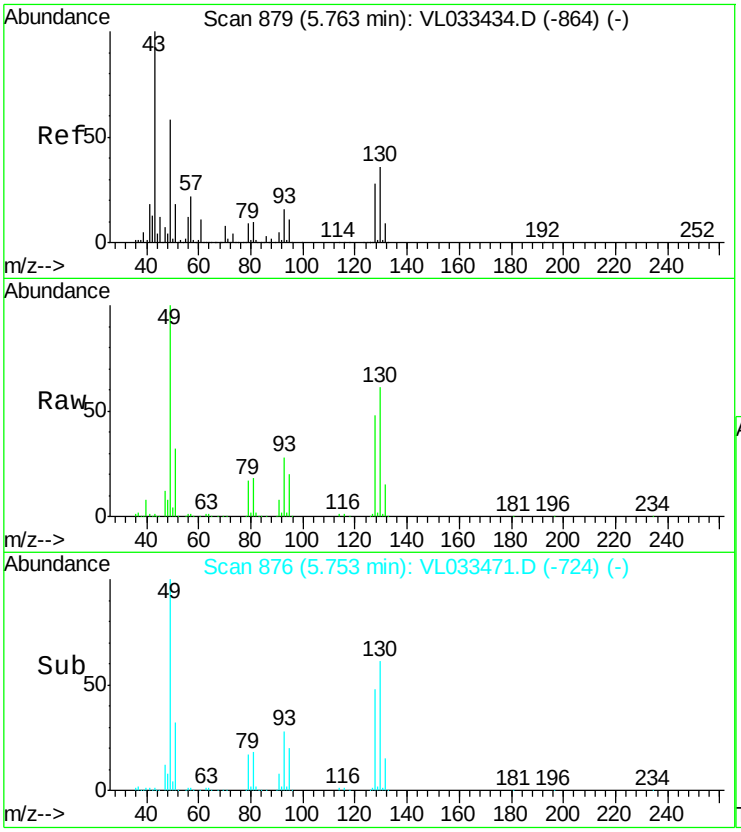
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033471.D
Acq On : 27 Mar 2019 16:43
Operator : SY/AP
Sample : K2042-10DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:28:29 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



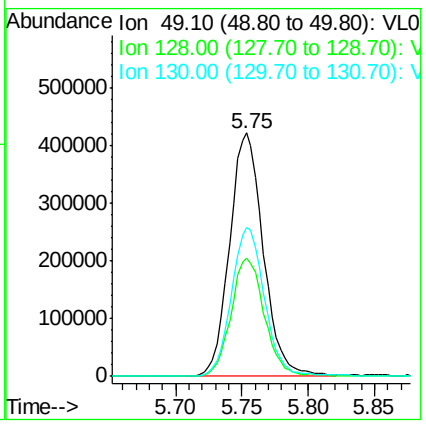


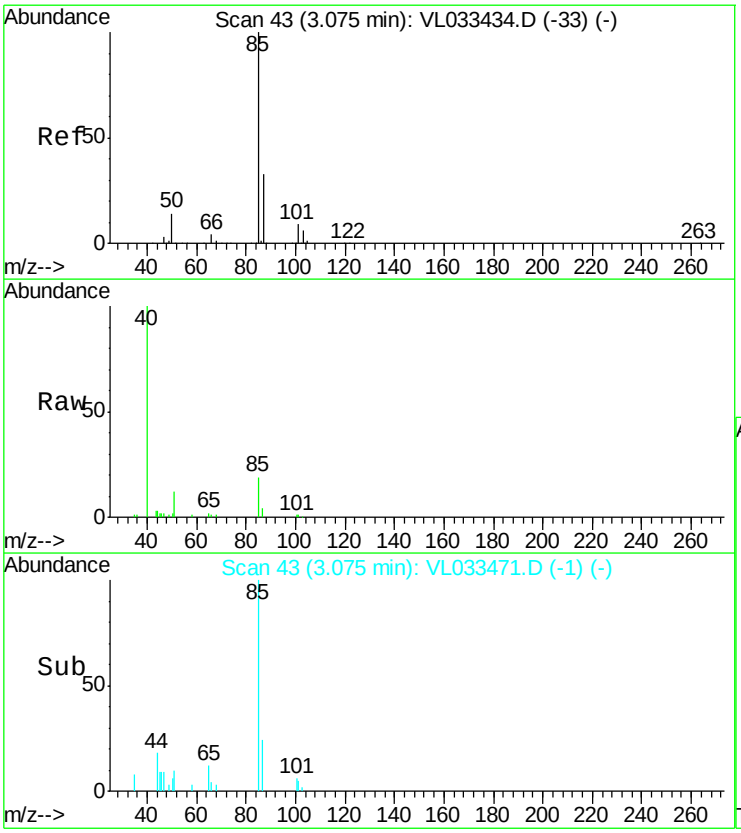
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 746705

Ion	Ratio	Lower	Upper
49	100		
128	48.2	24.0	72.0
130	60.7	31.2	93.6

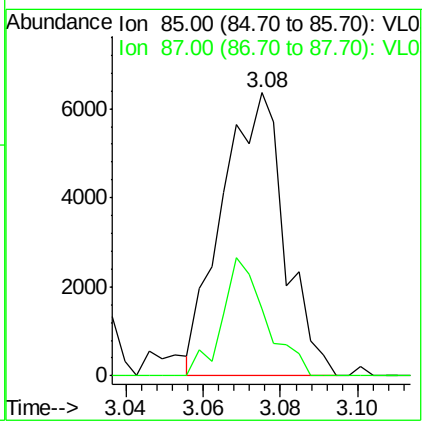


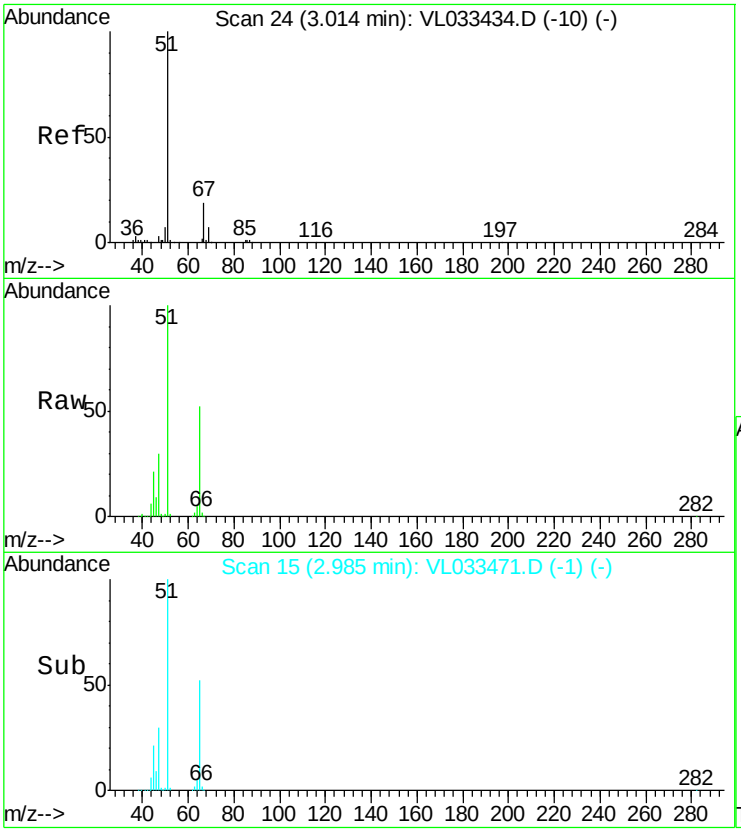


#2
Dichlorodifluoromethane
Concen: 0.066 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 85 Resp: 7154

Ion	Ratio	Lower	Upper
85	100		
87	23.5	26.7	40.1#



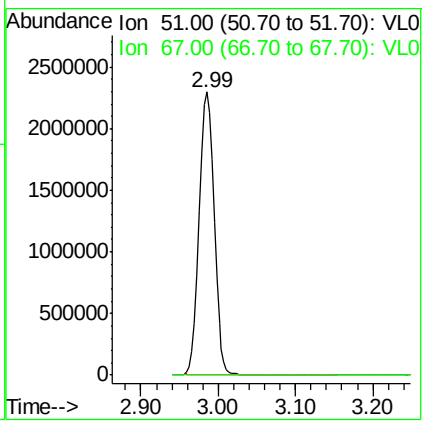


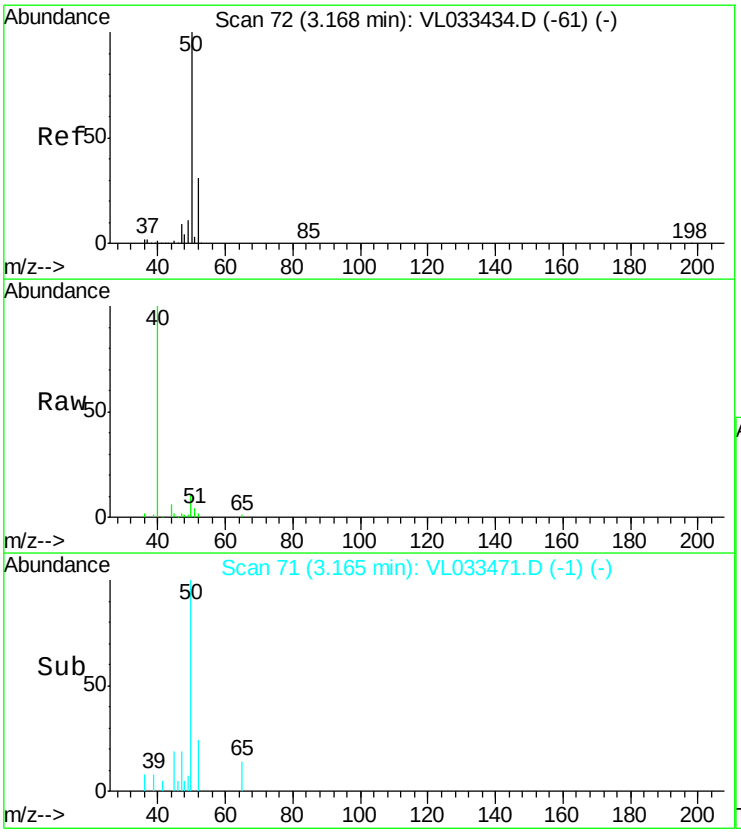
#3
Chlorodifluoromethane
Concen: 35.657 ppbv
RT: 2.99 min Scan# 15
Delta R.T. -0.03 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 3065274

Ion	Ratio	Lower	Upper
51	100		
67	0.0	15.7	23.5#

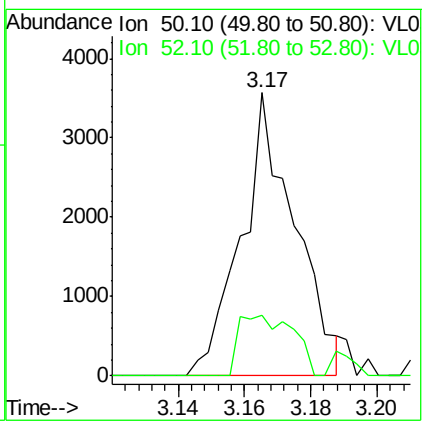


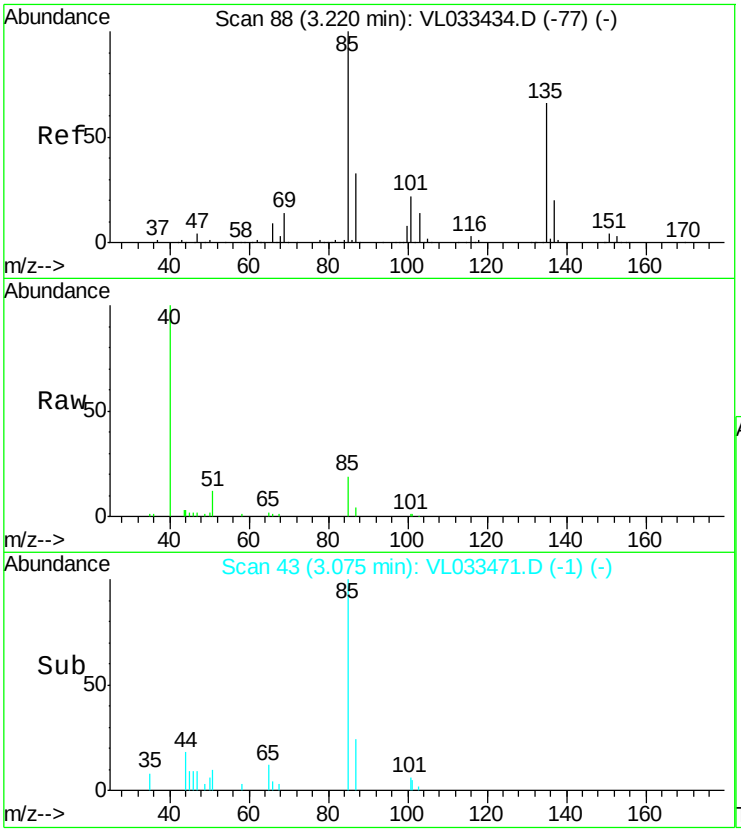


#4
Chloromethane
Concen: 0.088 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 50 Resp: 4007

Ion	Ratio	Lower	Upper
50	100		
52	21.5	25.0	37.6#



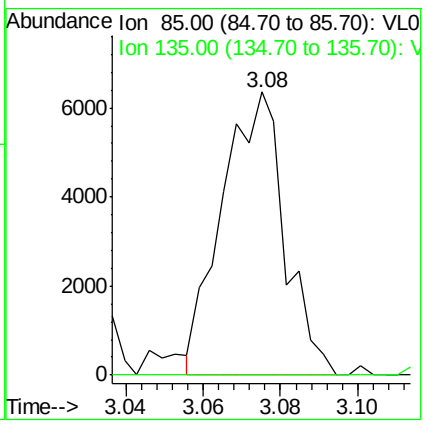


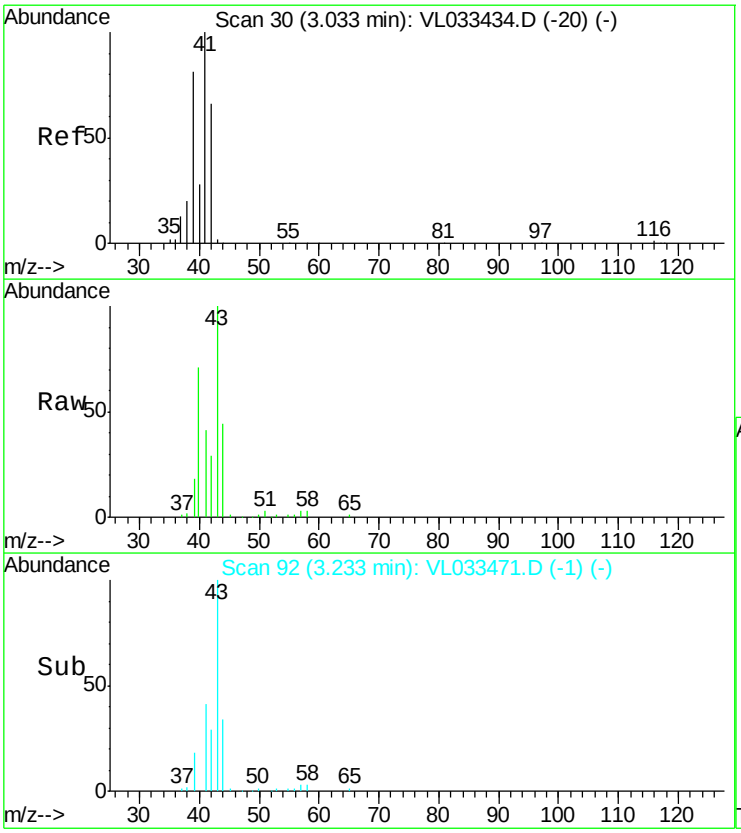
#8
Dichlorotetrafluoroethane
Concen: 0.062 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.14 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 7154

Ion	Ratio	Lower	Upper
85	100		
135	0.5	54.0	81.0#

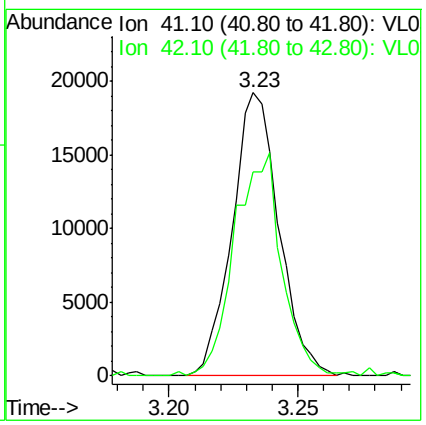


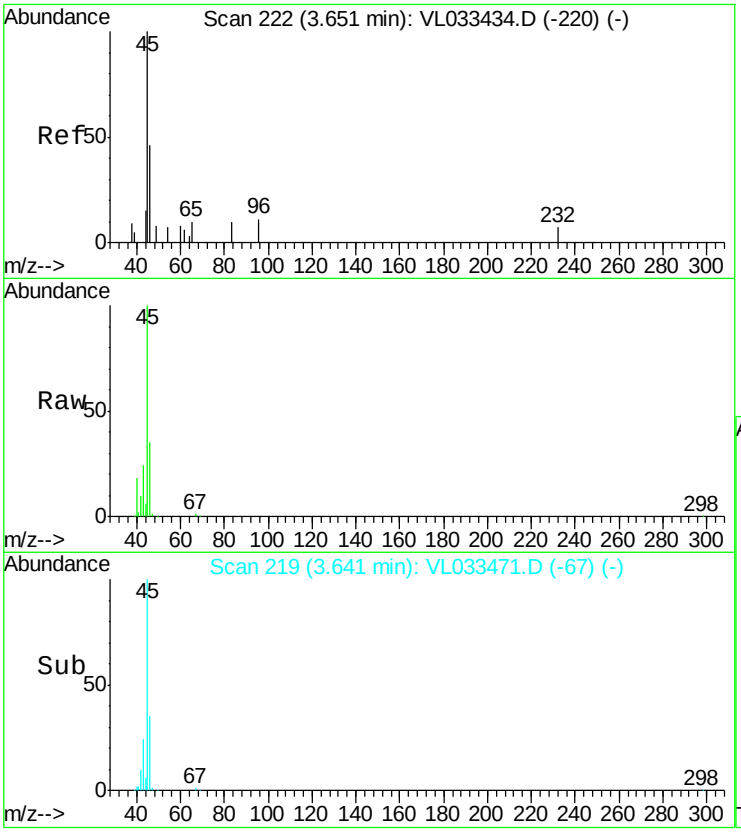


#9
Propene
Concen: 0.678 ppbv
RT: 3.23 min Scan# 92
Delta R.T. 0.20 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 41 Resp: 24472

Ion	Ratio	Lower	Upper
41	100		
42	80.7	53.9	80.9



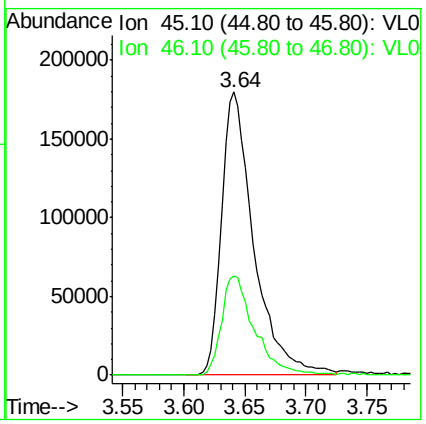


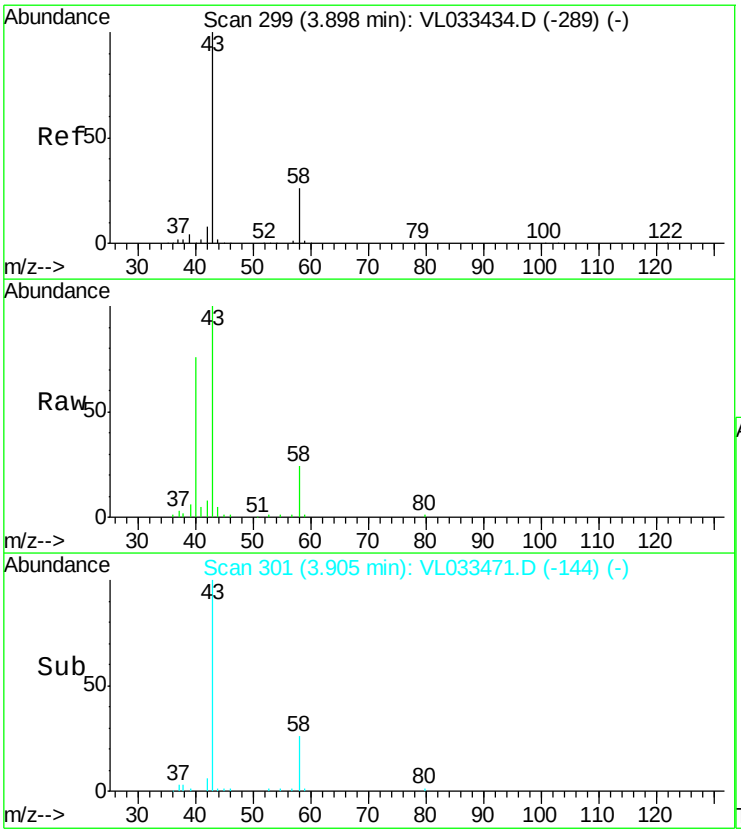
#13
Ethanol
Concen: 35.885 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 335239

Ion	Ratio	Lower	Upper
45	100		
46	35.6	25.4	101.8

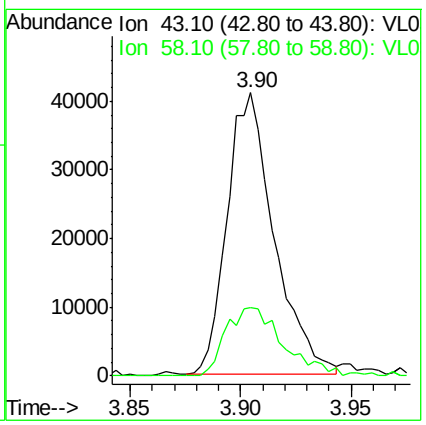


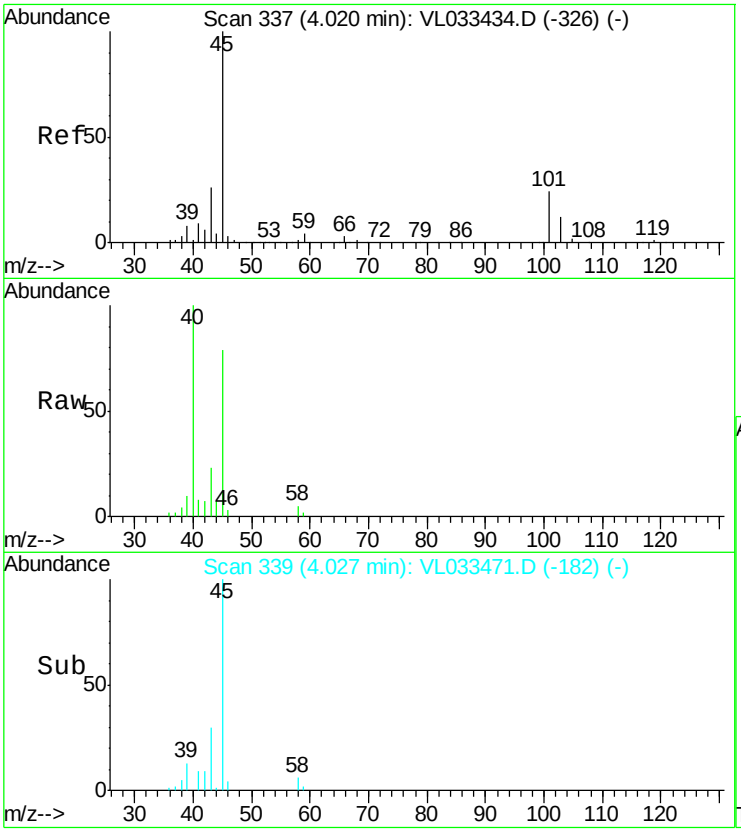


#15
Acetone
Concen: 0.675 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 43 Resp: 60610

Ion	Ratio	Lower	Upper
43	100		
58	30.0	20.5	30.7



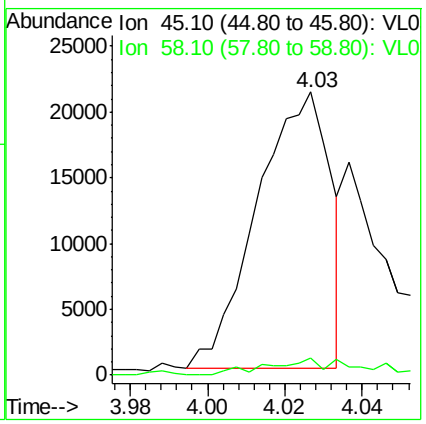


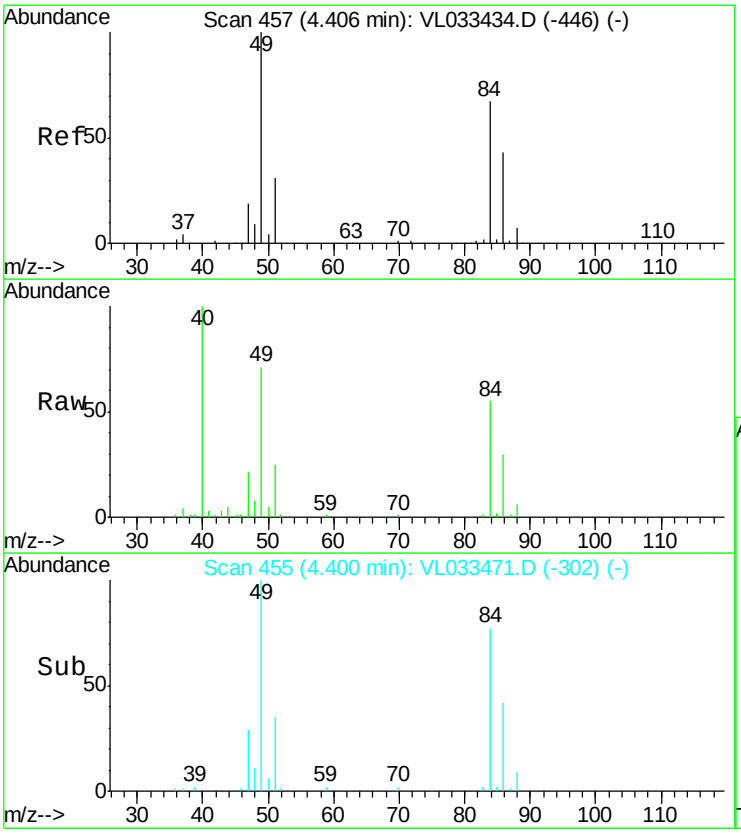
#19
Isopropyl Alcohol
Concen: 0.486 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 27579

Ion	Ratio	Lower	Upper
45	100		
58	7.5	1.4	2.2#

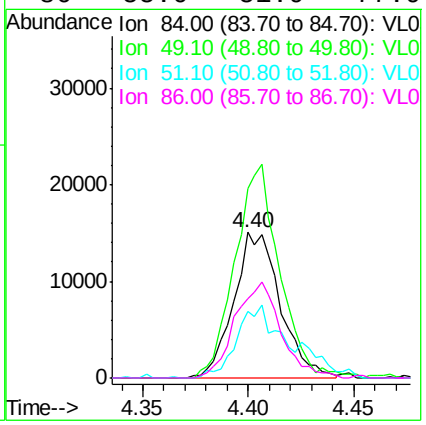


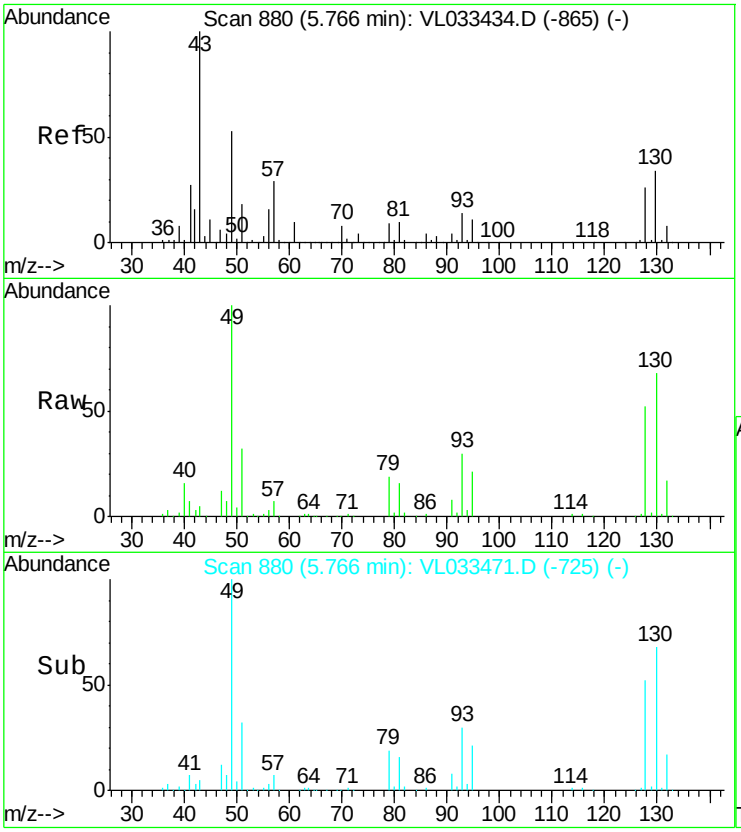


#20
Methylene Chloride
Concen: 0.608 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 84 Resp: 23165

Ion	Ratio	Lower	Upper
84	100		
49	129.2	120.0	180.0
51	46.2	36.7	55.1
86	55.0	51.9	77.9



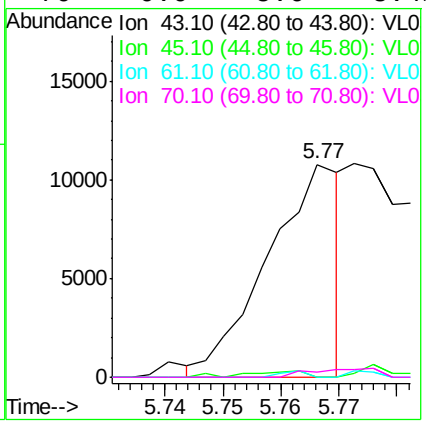


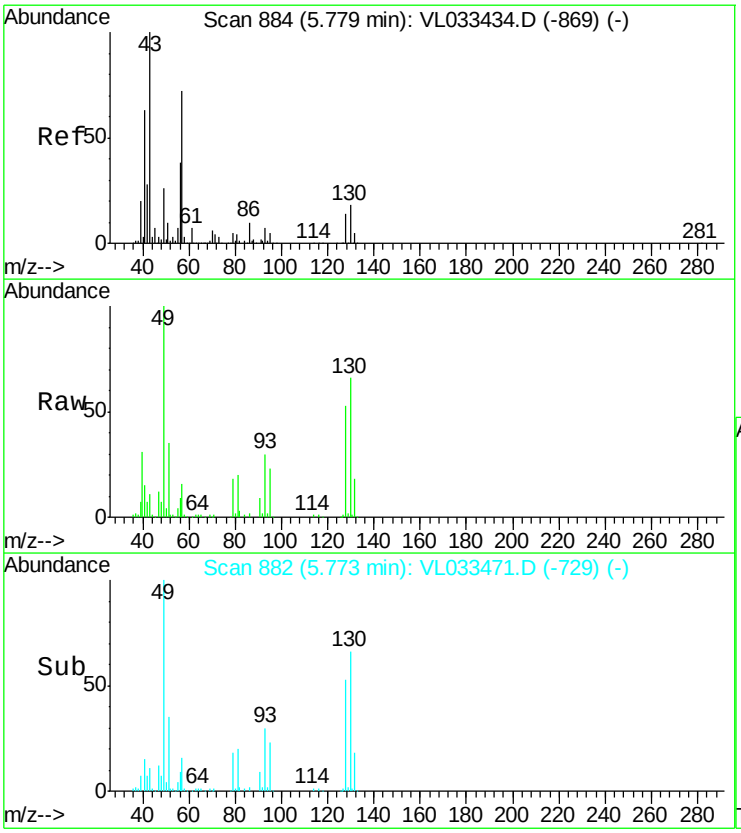
#25
Ethyl Acetate
Concen: 0.056 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 9399

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	2.3	7.3	10.9#
70	0.0	5.6	8.4#

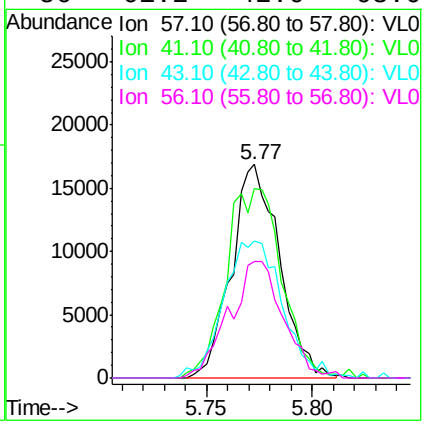


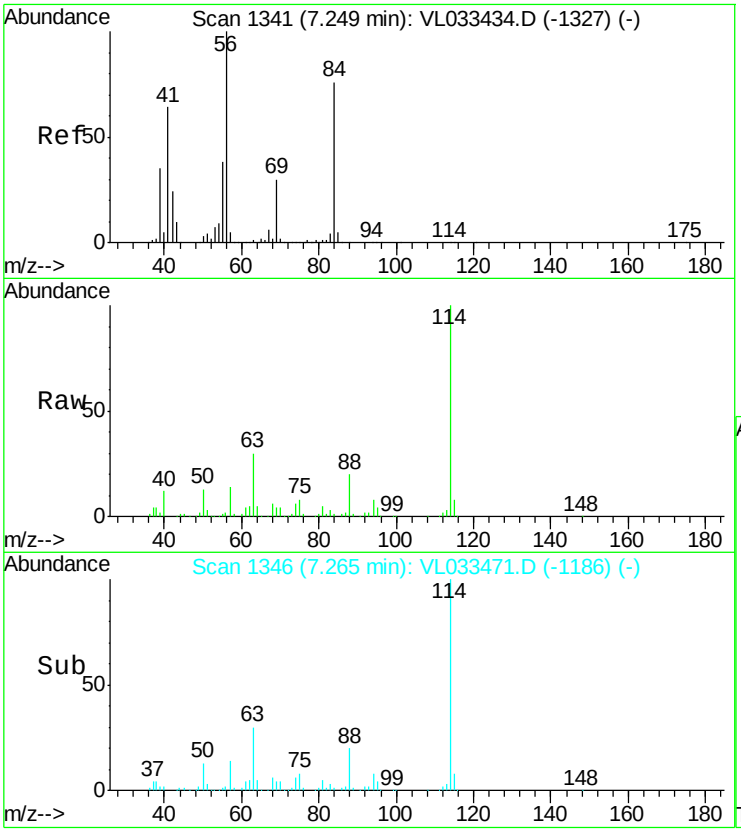


#26
Hexane
Concen: 0.361 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 57 Resp: 26726

Ion	Ratio	Lower	Upper
57	100		
41	103.6	70.7	106.1
43	78.8	182.6	274.0#
56	61.2	42.0	63.0



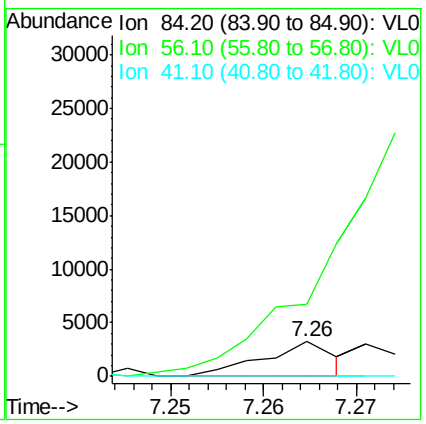


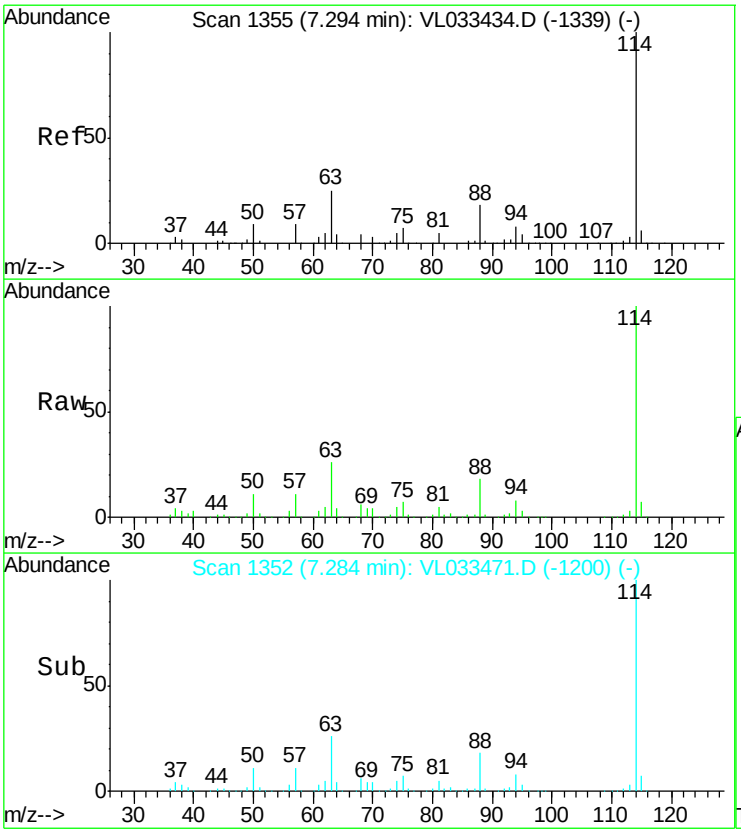
#30
Cyclohexane
Concen: 0.029 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.02 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 1721

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.7	164.5#
41	12.0	68.2	102.2#

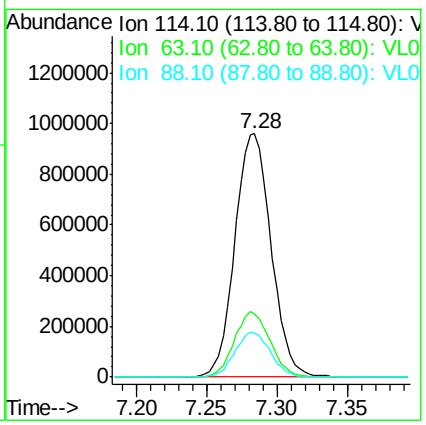


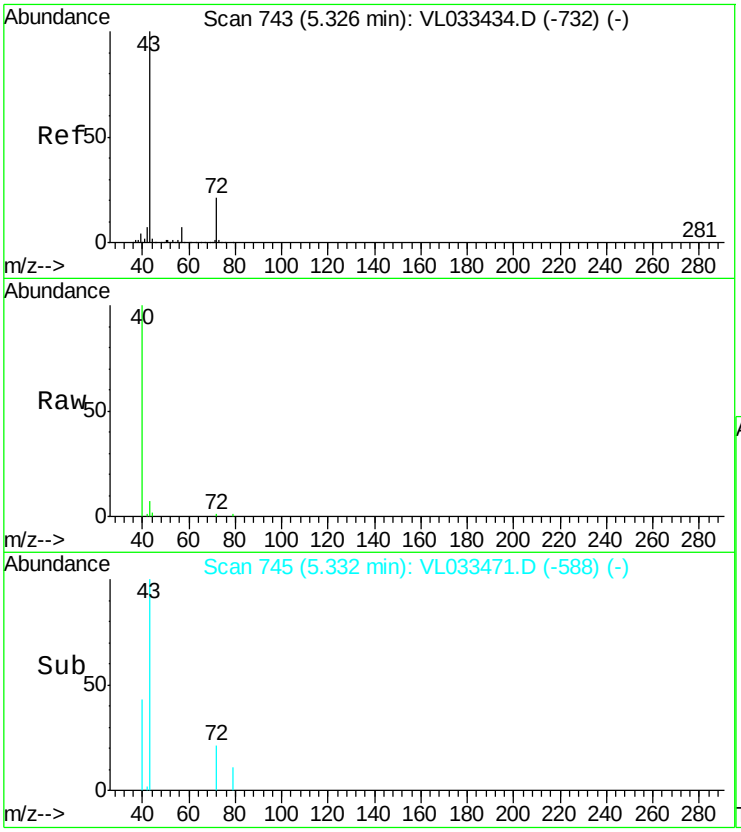


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion:114 Resp: 1728280

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.2	14.5	21.7



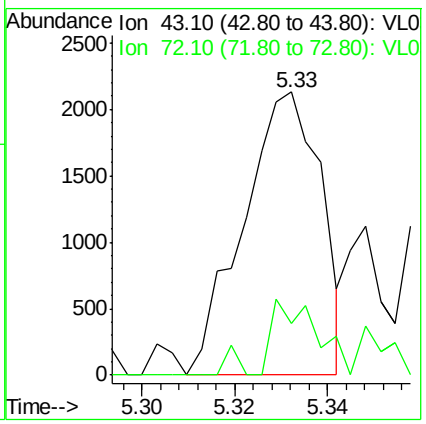


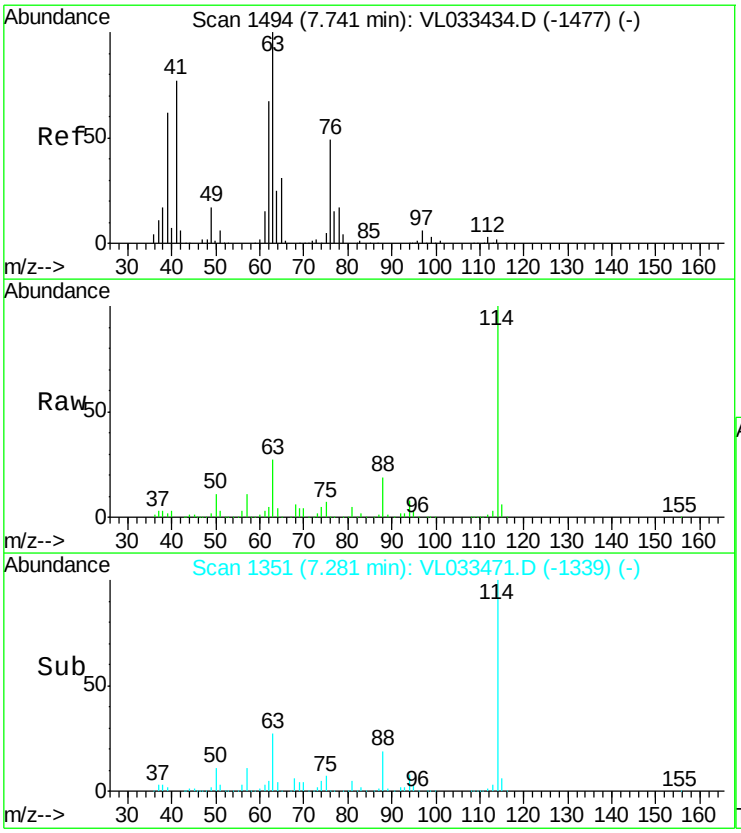
#34
2-Butanone
Concen: 0.024 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2480

Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.4	26.2

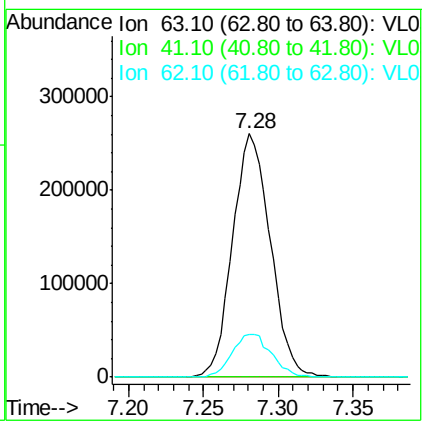


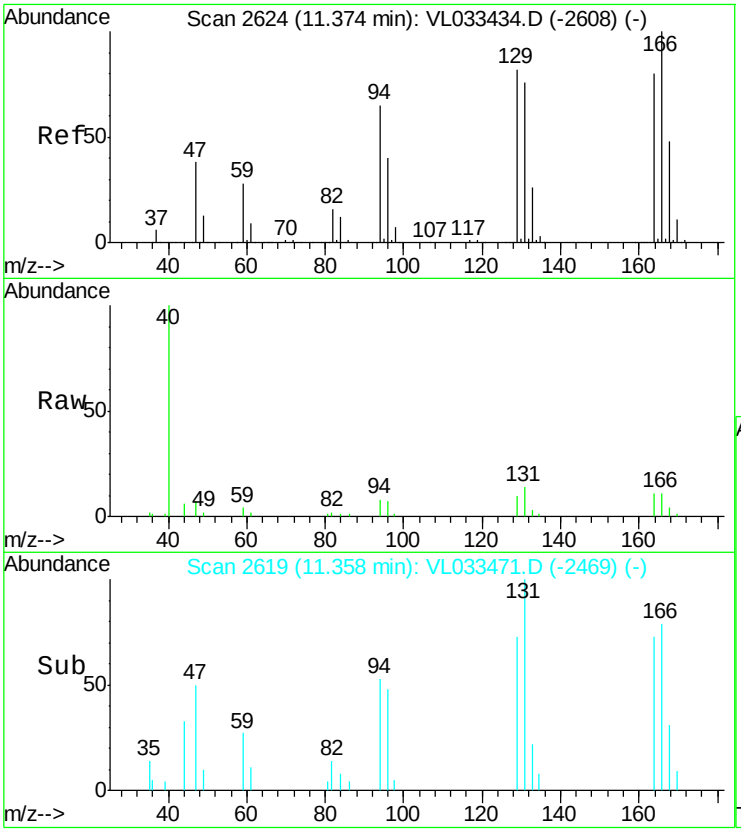


#39
1,2-Dichloropropane
Concen: 8.025 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.46 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 63 Resp: 455858

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



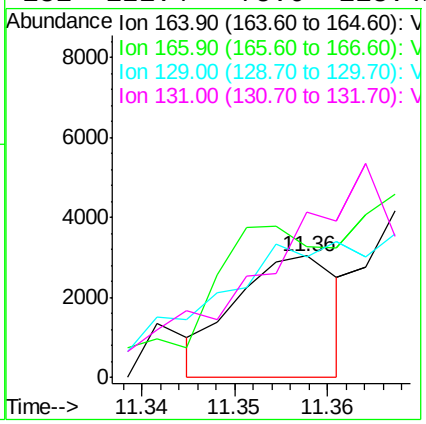


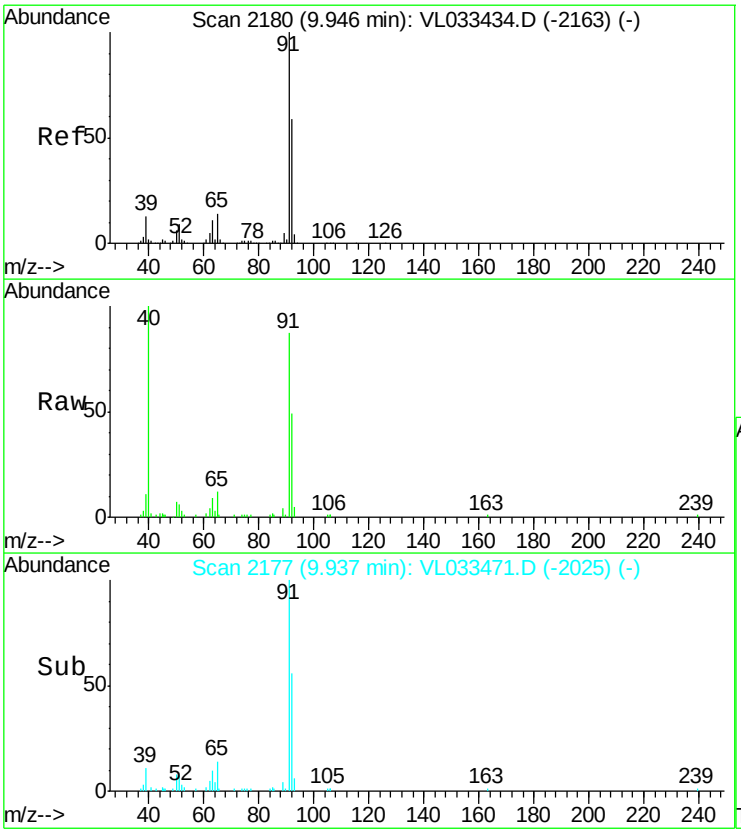
#52
Tetrachloroethene
Concen: 0.042 ppbv
RT: 11.36 min Scan# 2619
Delta R.T. -0.02 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 2321

Ion	Ratio	Lower	Upper
164	100		
166	124.8	99.5	149.3
129	76.7	81.4	122.2#
131	121.4	75.6	113.4#

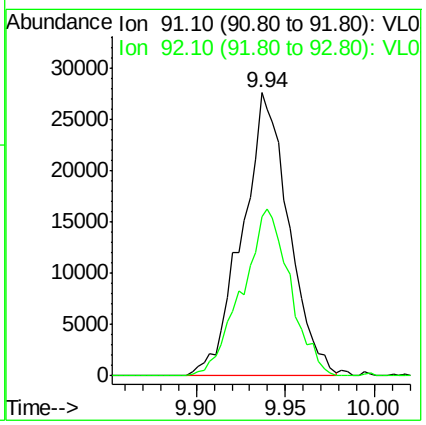


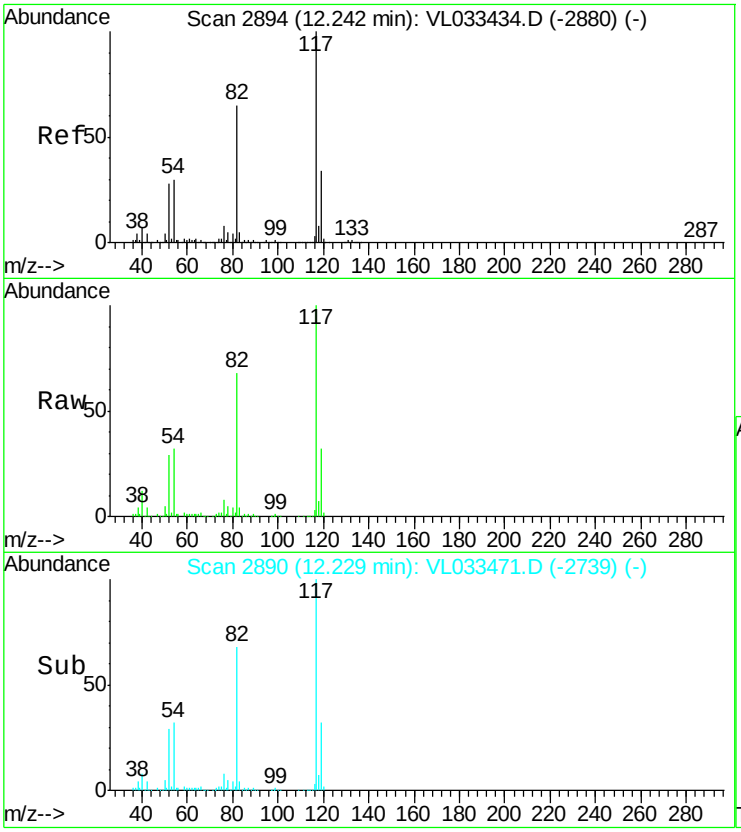


#53
Toluene
Concen: 0.300 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 91 Resp: 50521

Ion	Ratio	Lower	Upper
91	100		
92	60.9	47.4	71.0



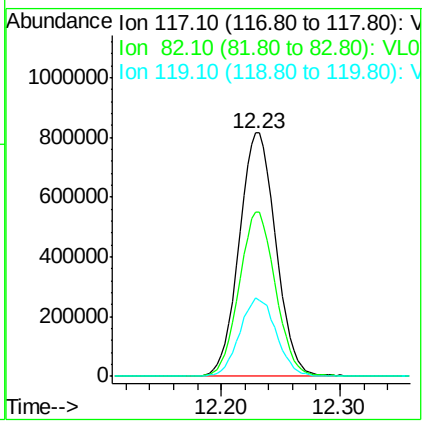


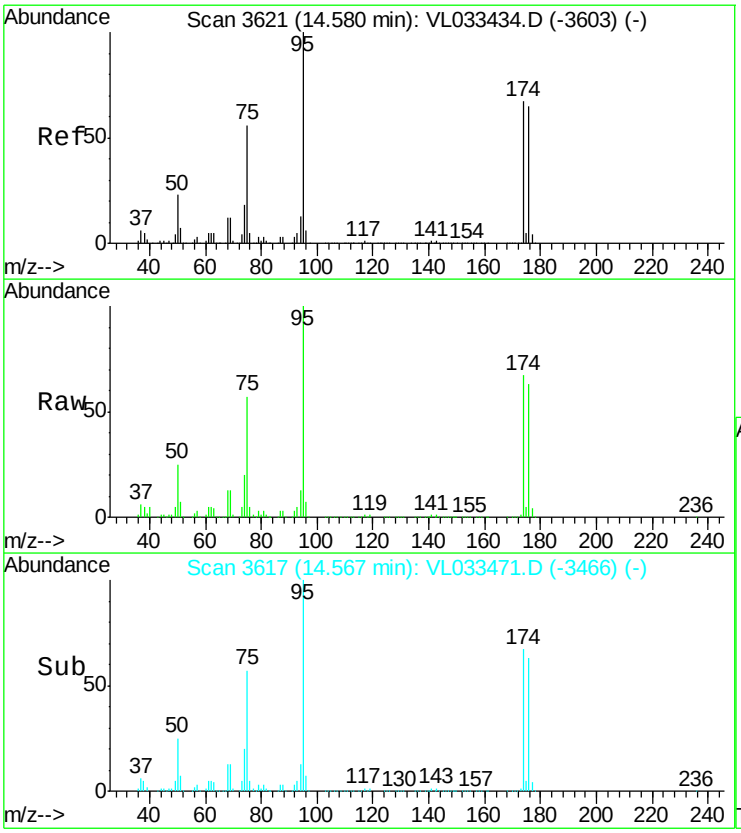
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1737179

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: 9.934 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033471.D
Acq: 27 Mar 2019 16:43

Tgt Ion: 95 Resp: 1352862

Ion	Ratio	Lower	Upper
95	100		
174	66.4	52.9	79.3
175	4.7	3.8	5.6