Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

Quantitation Report (Not Reviewed)

Data File : VL033717.D
Acq On : 17 May 2019 15:23
Operator : SY/AP
Sample : K2904-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : S-01DL

Quant Time: May 17 23:23:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1171413	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2925578	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2869654	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2318085	9.96	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	12556	0.051	ppbv		99
3) Chlorodifluoromethane	3.02	51	328958	2.452	ppbv	#	80
4) Chloromethane	3.17	50	3297	0.043	ppbv	#	81
9) Propene	3.24	41	34101	0.598	ppbv		89
11) Trichlorofluoromethane	4.00	101	4963699	21.067	ppbv		99
13) Ethanol	3.65	45	258369	14.006	ppbv		100
15) Acetone	3.90	43	376106	2.314	ppbv		95
16) 1,3-Butadiene	3.34	39	54061	0.835	ppbv	#	12
17) tert-Butyl alcohol	4.38	59	27096	0.206	ppbv	#	70
19) Isopropyl Alcohol	4.03	45	51455	0.491	ppbv	#	60
20) Methylene Chloride	4.41	84	76001	1.215	ppbv		94
23) Vinyl Acetate	5.14	43	39840	0.186	ppbv	#	21
25) Ethyl Acetate	5.78	43	64281	0.225	ppbv	#	81
26) Hexane	5.78	57	84664	0.690	ppbv	#	43
27) Carbon Disulfide	4.62	76	29412	0.175	ppbv	#	75
29) Chloroform	5.84	83	201059	0.889	ppbv		99
31) cis-1,2-Dichloroethene	5.64	61	11650	0.096	ppbv	#	84
34) 2-Butanone	5.34	43	19849	0.109	ppbv	#	90
38) Trichloroethene	7.96	130	208024	2.107	ppbv		96
39) 1,2-Dichloropropane	7.29	63	716333	7.220	ppbv	#	22
52) Tetrachloroethene	11.37	164	66336	0.709	ppbv		95
53) Toluene	9.94	91	11389	0.040	ppbv	#	21

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

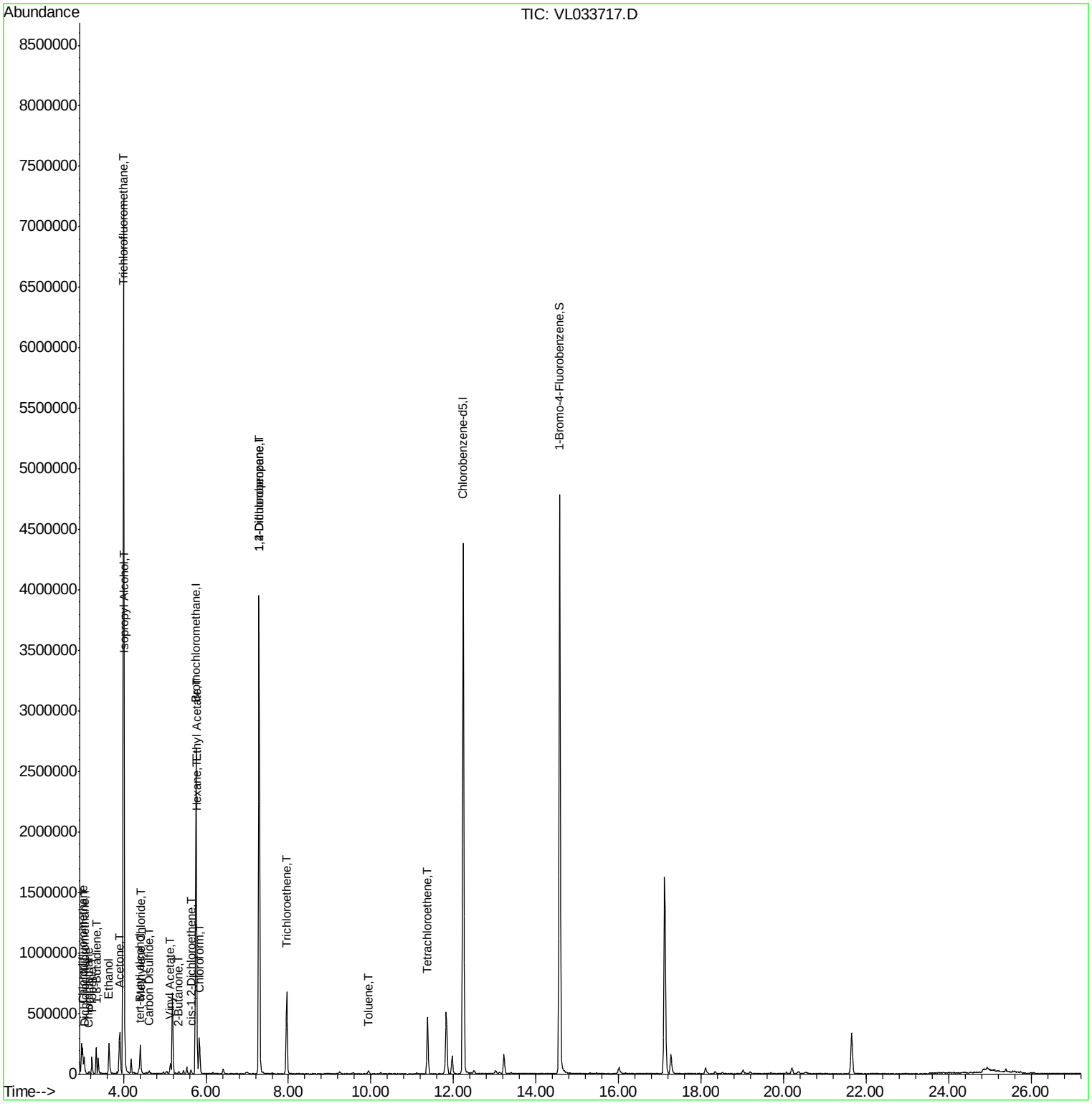
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

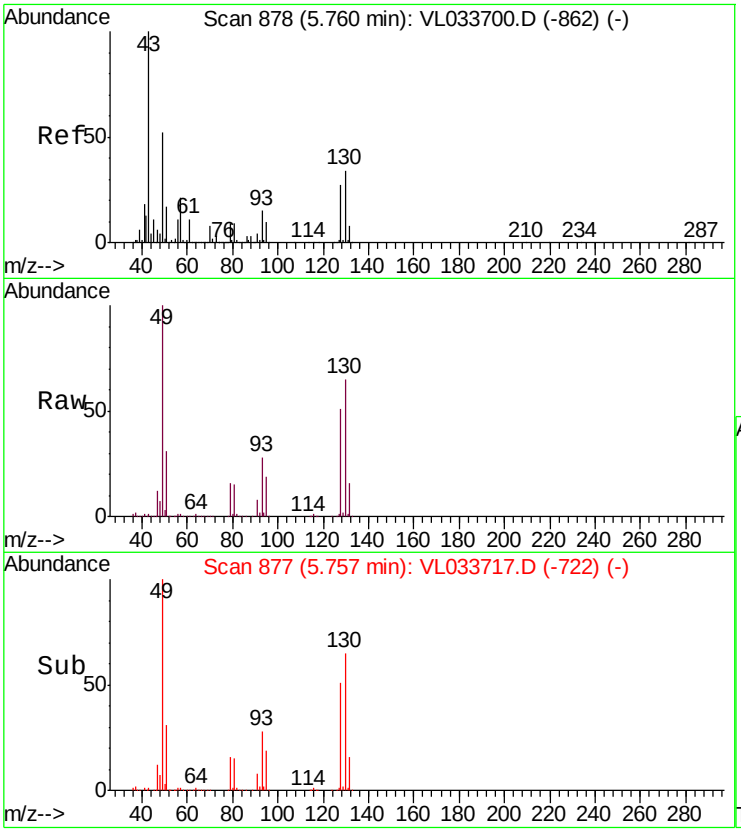
Quantitation Report (Not Reviewed)

Data File : VL033717.D
Acq On : 17 May 2019 15:23
Operator : SY/AP
Sample : K2904-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : S-01DL

Quant Time: May 17 23:23:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



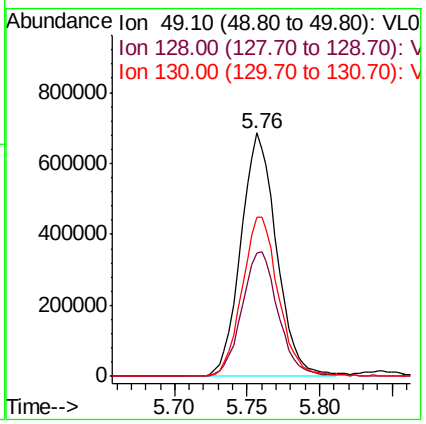


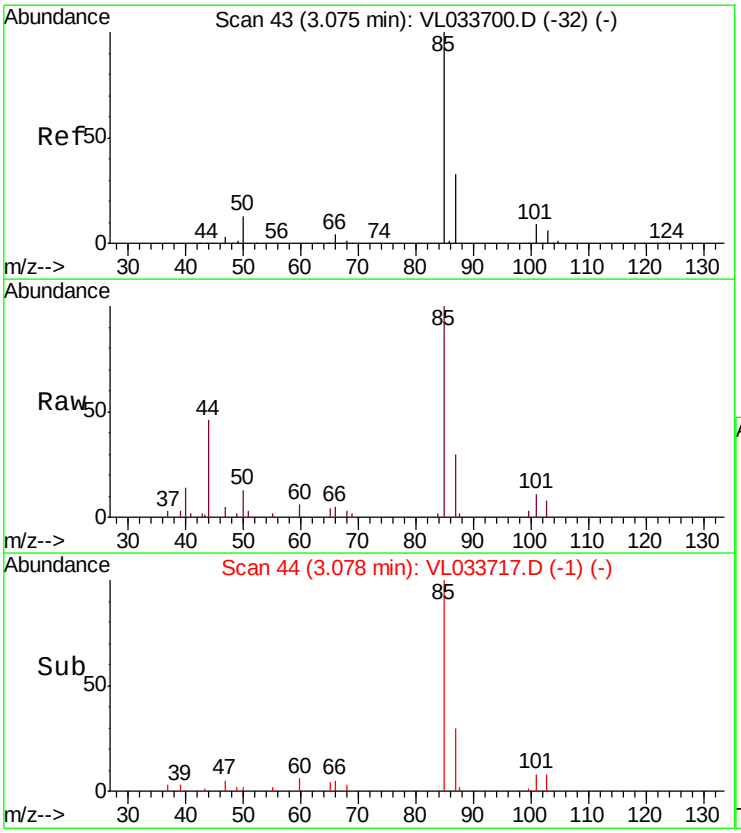
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :
S-01DL

Tgt Ion: 49 Resp: 1171413

Ion	Ratio	Lower	Upper
49	100		
128	52.5	25.2	75.6
130	67.6	32.5	97.5

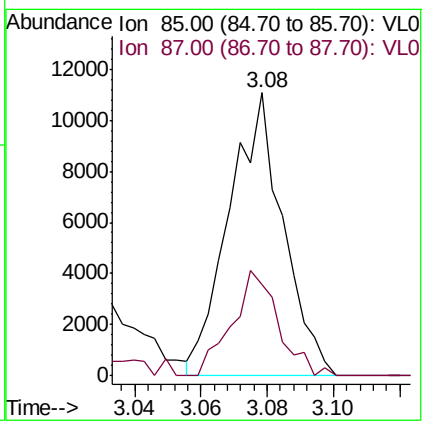


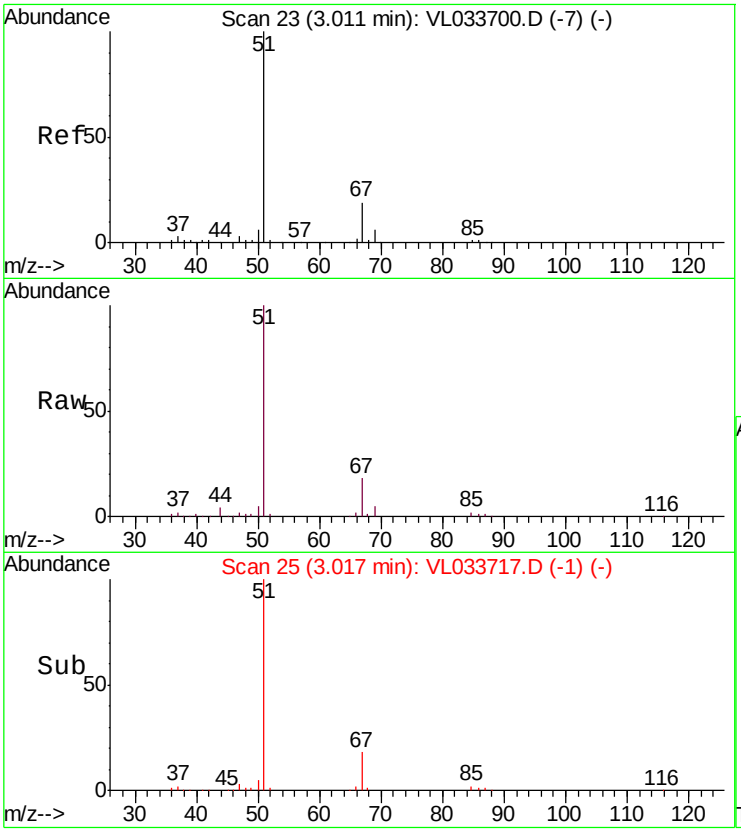


#2
Dichlorodifluoromethane
Concen: 0.051 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 85 Resp: 12556

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.3	39.5



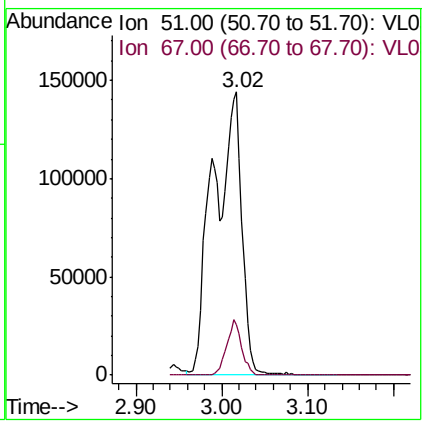


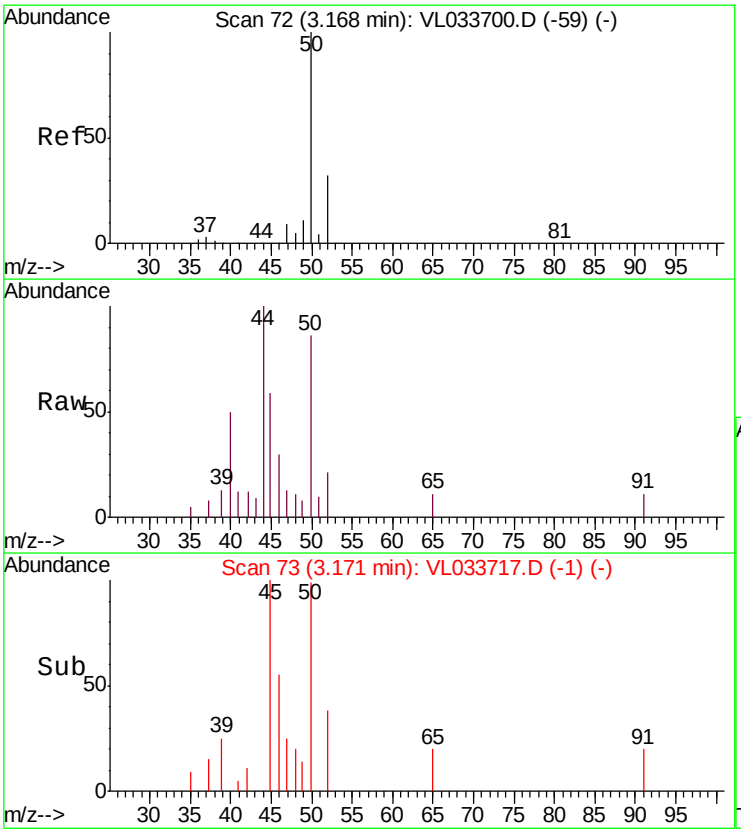
#3
Chlorodifluoromethane
Concen: 2.452 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion: 51 Resp: 328958

Ion	Ratio	Lower	Upper
51	100		
67	10.4	15.6	23.4#

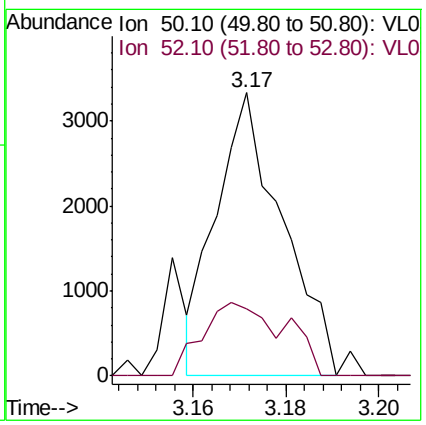


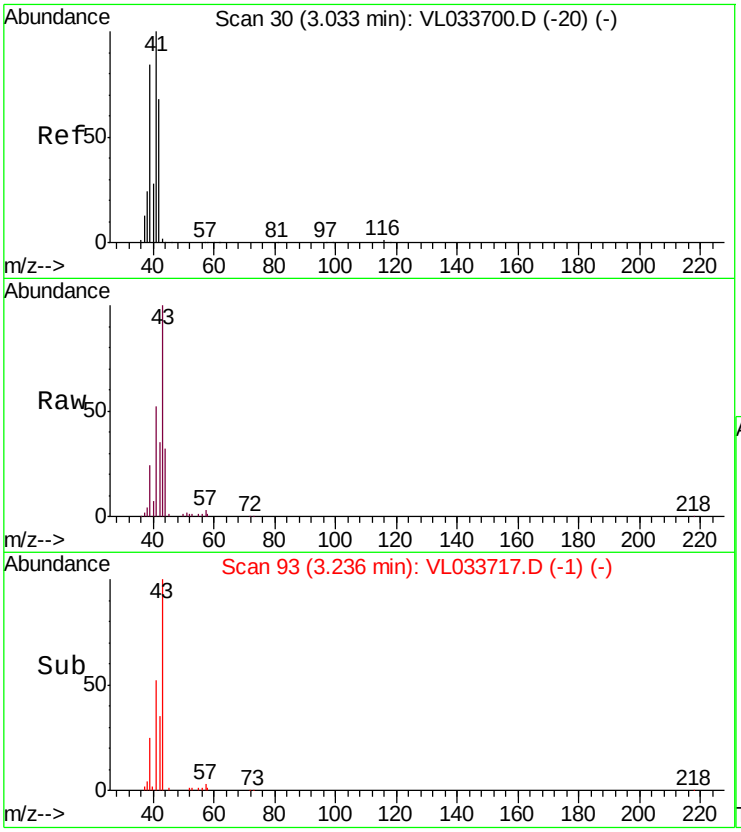


#4
Chloromethane
Concen: 0.043 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 50 Resp: 3297

Ion	Ratio	Lower	Upper
50	100		
52	21.4	25.7	38.5#



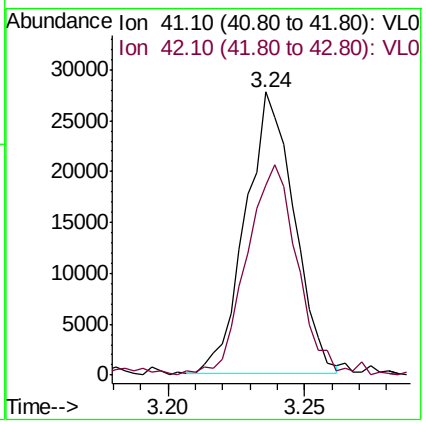


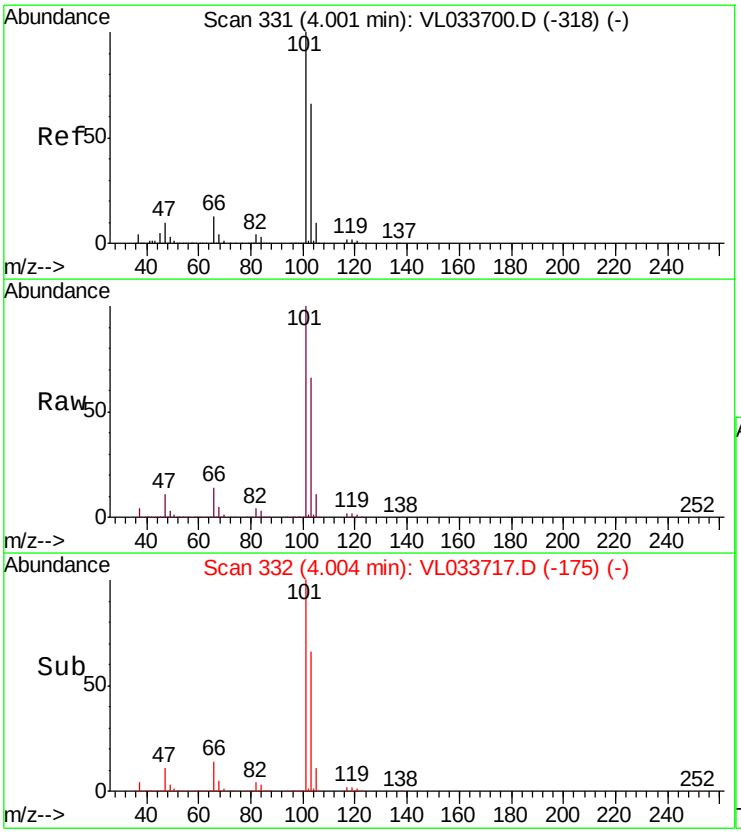
#9
Propene
Concen: 0.598 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :
S-01DL

Tgt Ion: 41 Resp: 34101

Ion	Ratio	Lower	Upper
41	100		
42	79.5	56.1	84.1

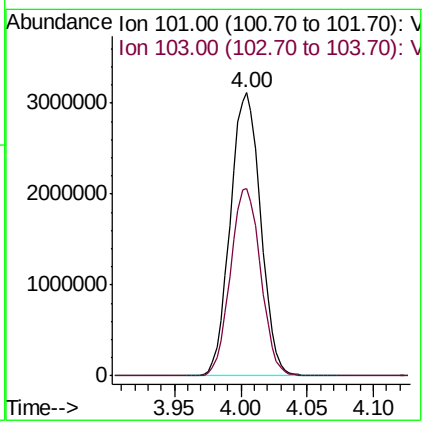


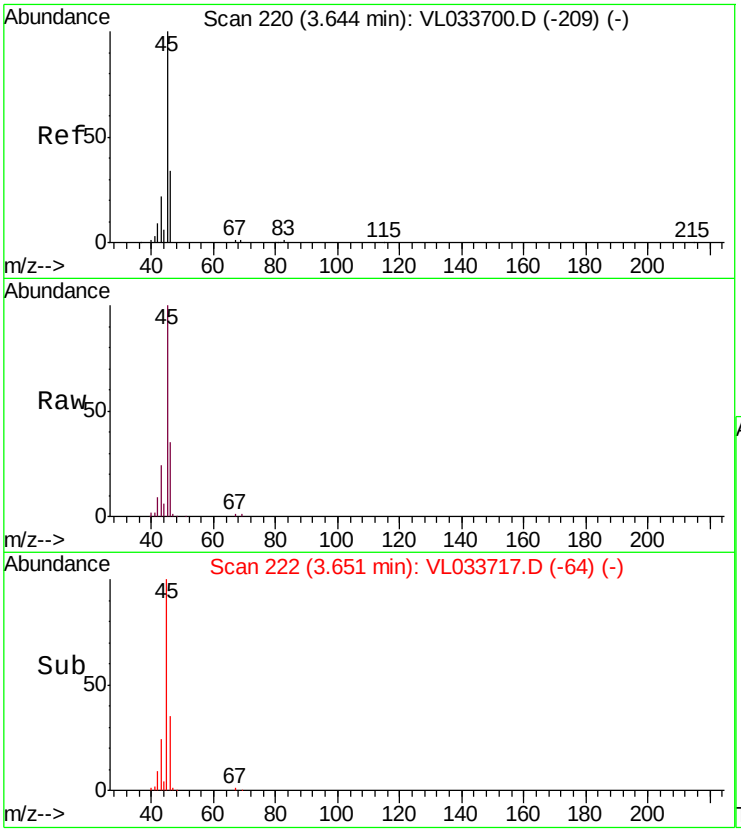


#11
Trichlorofluoromethane
Concen: 21.067 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion:101 Resp: 4963699

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.6	78.8



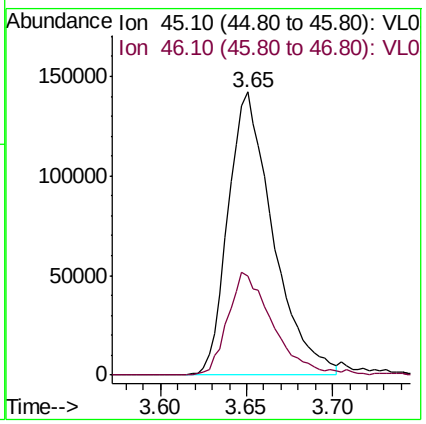


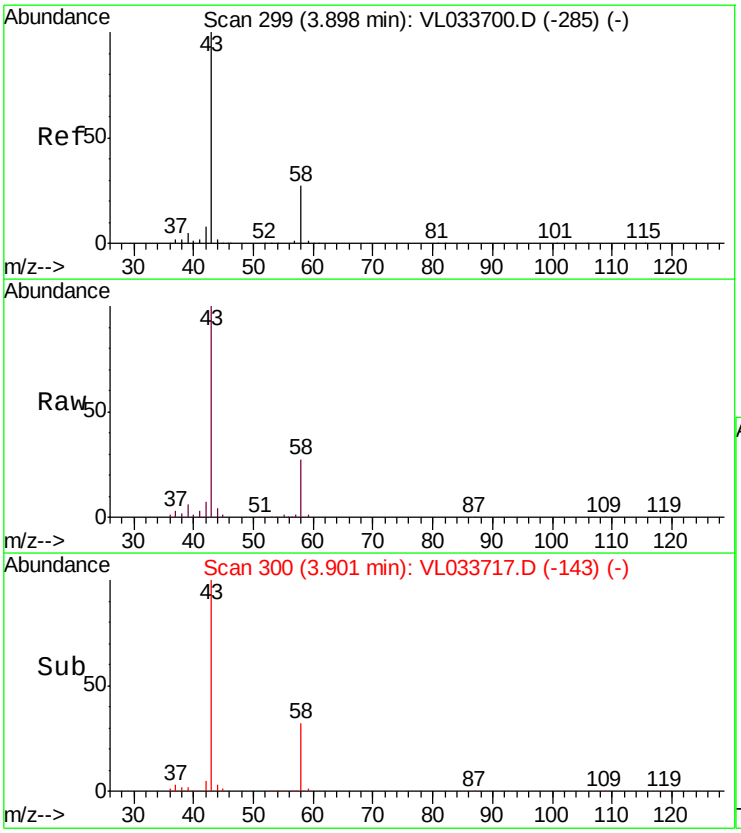
#13
Ethanol
Concen: 14.006 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :
S-01DL

Tgt Ion: 45 Resp: 258369

Ion	Ratio	Lower	Upper
45	100		
46	37.2	14.8	59.0

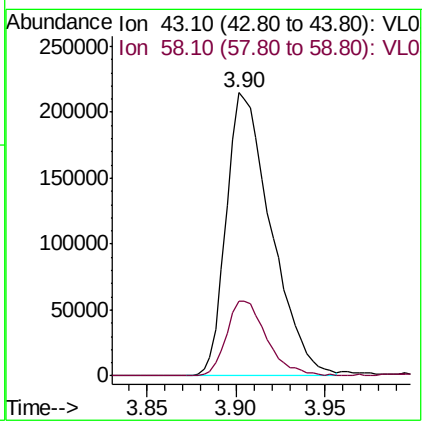


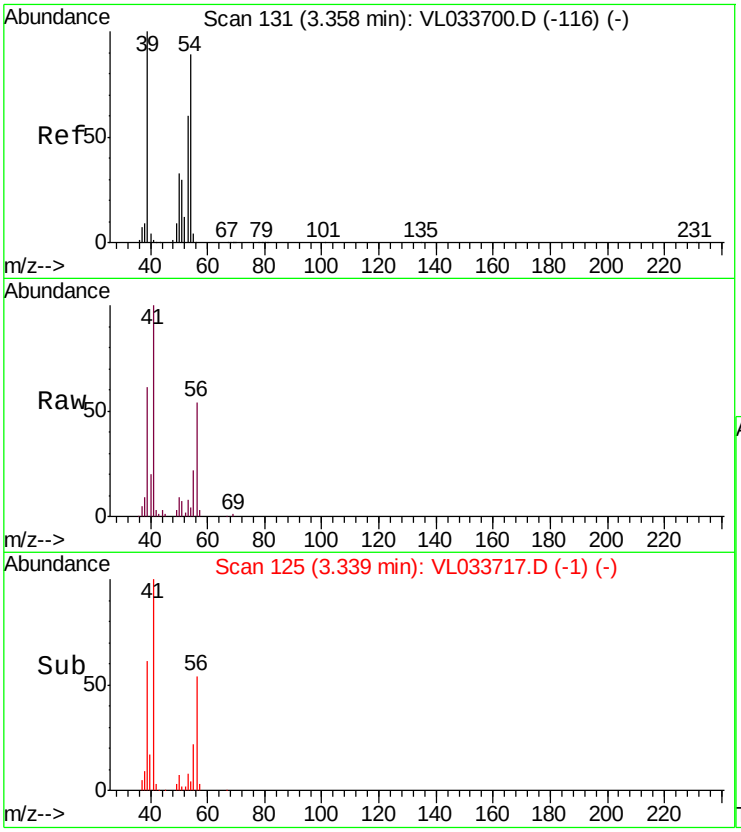


#15
Acetone
Concen: 2.314 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 43 Resp: 376106

Ion	Ratio	Lower	Upper
43	100		
58	23.9	21.3	31.9



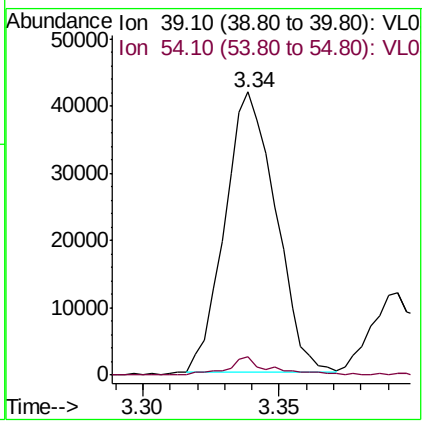


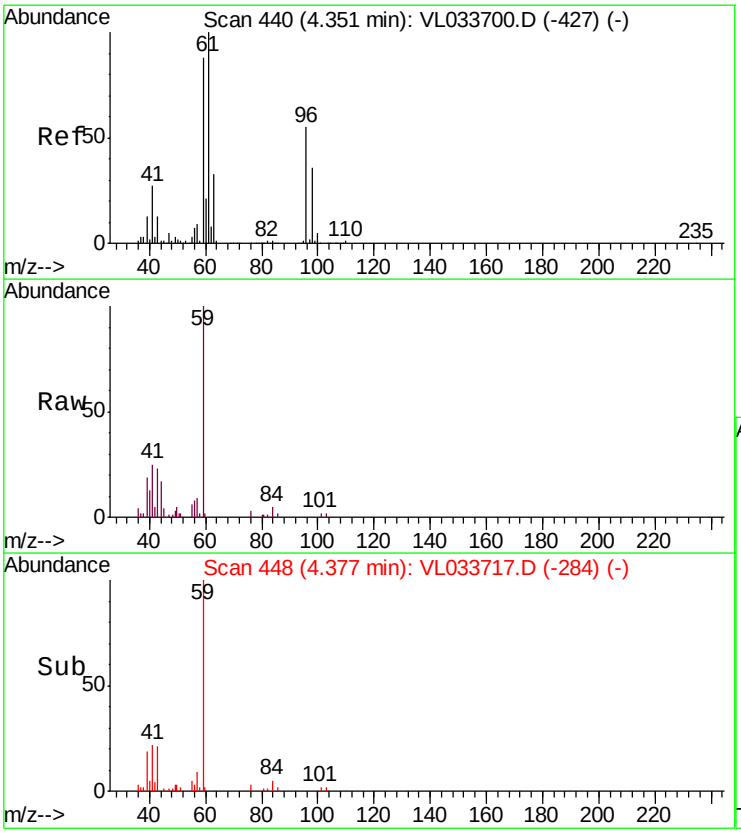
#16
1,3-Butadiene
Concen: 0.835 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion: 39 Resp: 54061

Ion	Ratio	Lower	Upper
39	100		
54	5.3	69.0	103.6#

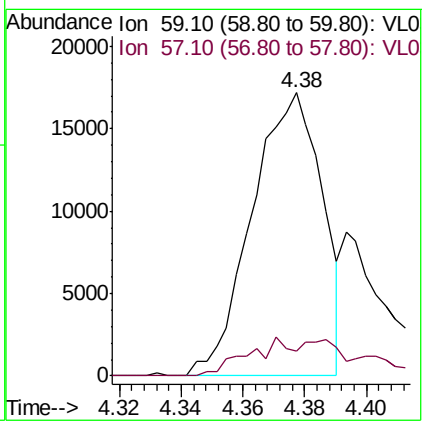


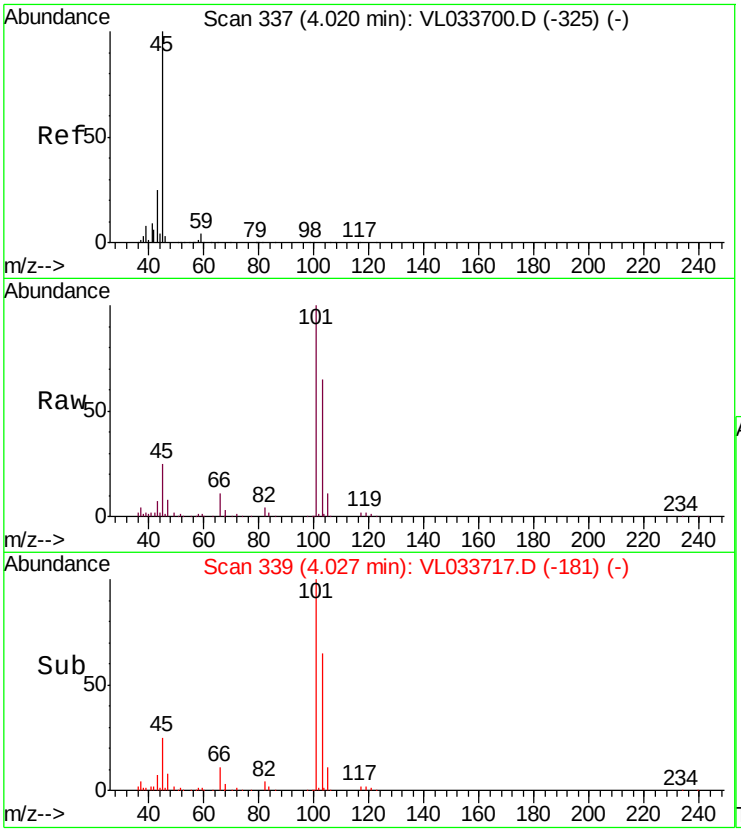


#17
tert-Butyl alcohol
Concen: 0.206 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.03 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 59 Resp: 27096

Ion	Ratio	Lower	Upper
59	100		
57	21.8	8.4	12.6#



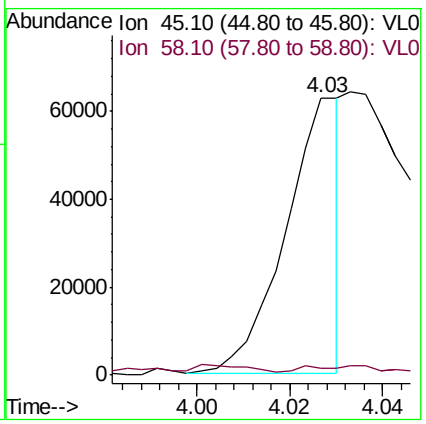


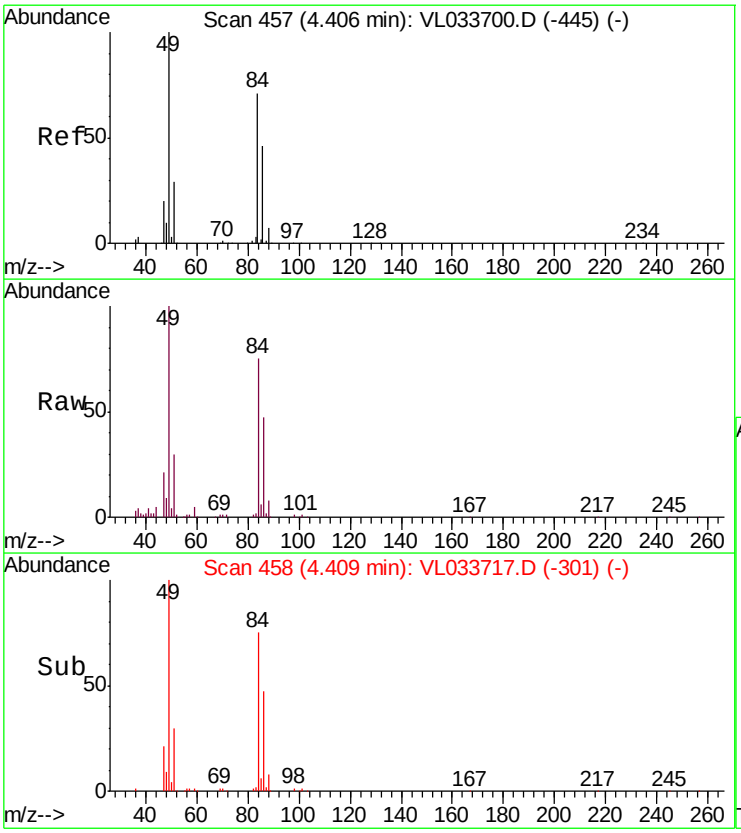
#19
Isopropyl Alcohol
Concen: 0.491 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion: 45 Resp: 51455

Ion	Ratio	Lower	Upper
45	100		
58	16.2	1.6	2.4#

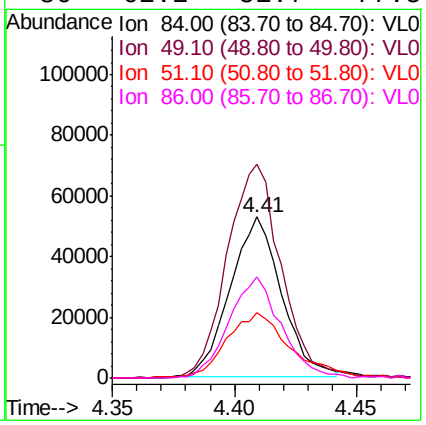


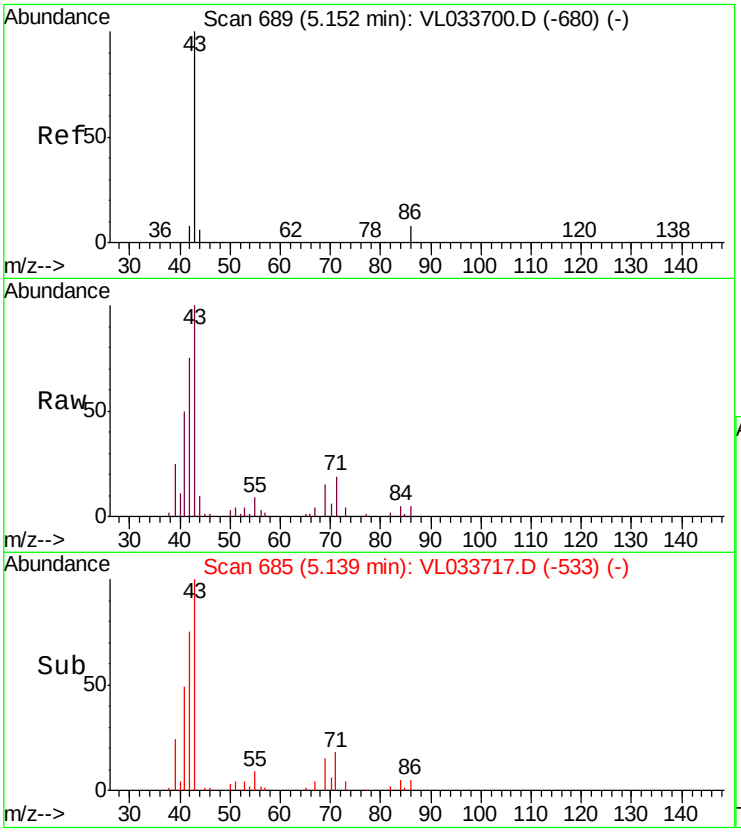


#20
Methylene Chloride
Concen: 1.215 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 84 Resp: 76001

Ion	Ratio	Lower	Upper
84	100		
49	131.0	112.8	169.2
51	39.7	33.4	50.0
86	62.2	51.7	77.5



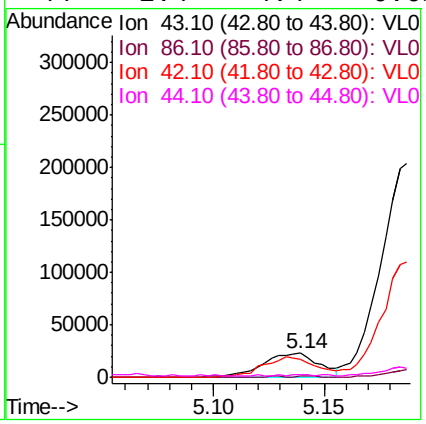


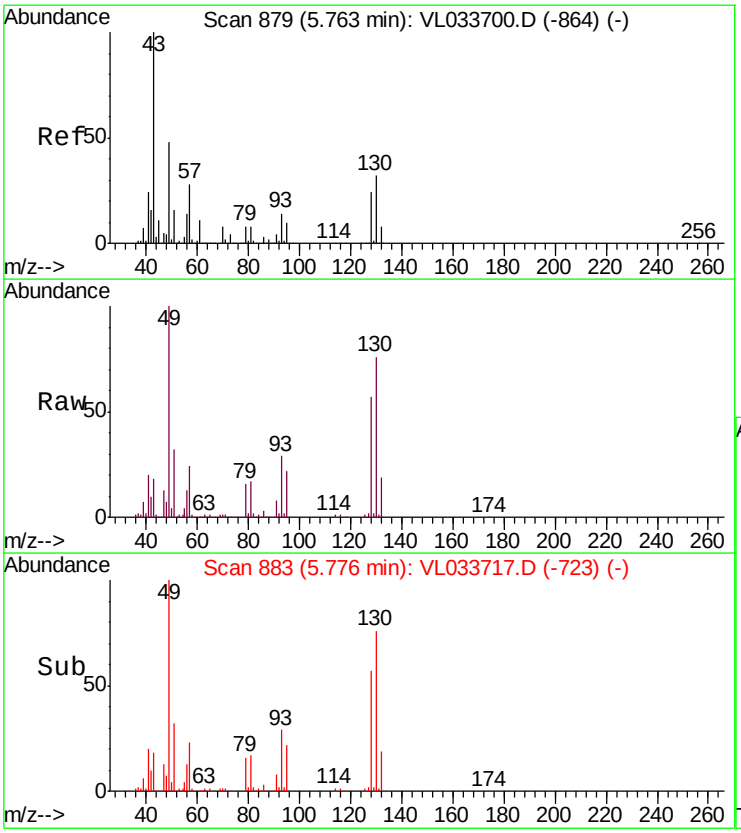
#23
Vinyl Acetate
Concen: 0.186 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion: 43 Resp: 39840

Ion	Ratio	Lower	Upper
43	100		
86	4.7	6.0	9.0#
42	74.2	7.5	11.3#
44	2.4	4.4	6.6#

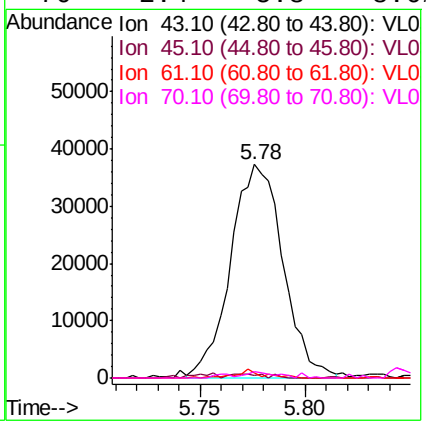


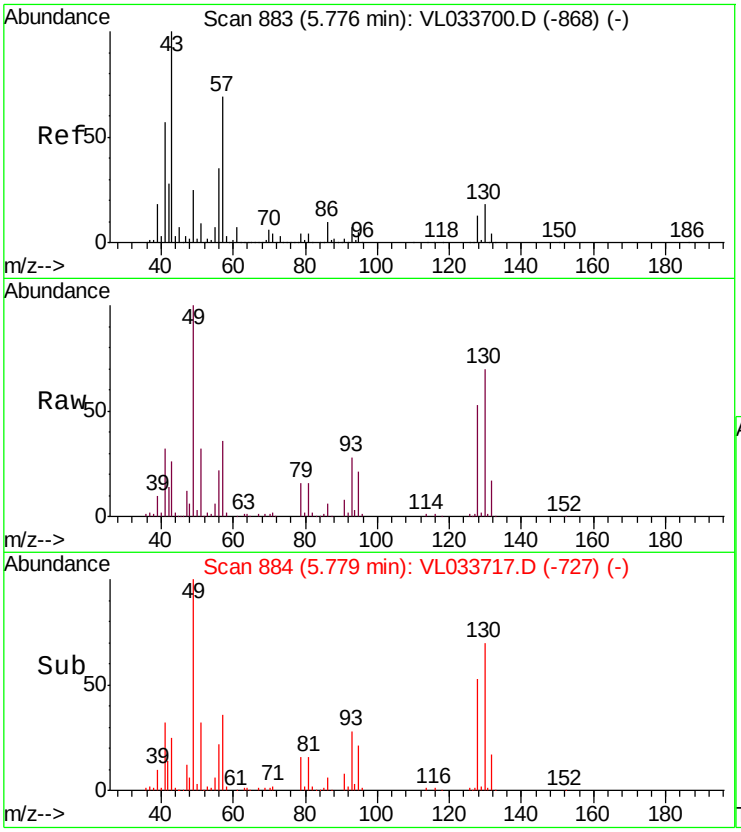


#25
Ethyl Acetate
Concen: 0.225 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 43 Resp: 64281

Ion	Ratio	Lower	Upper
43	100		
45	2.3	7.9	11.9#
61	2.3	7.7	11.5#
70	2.4	5.8	8.6#



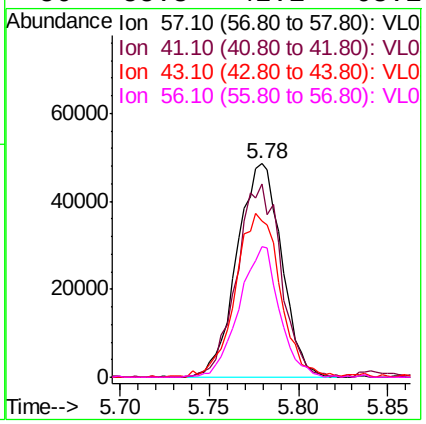


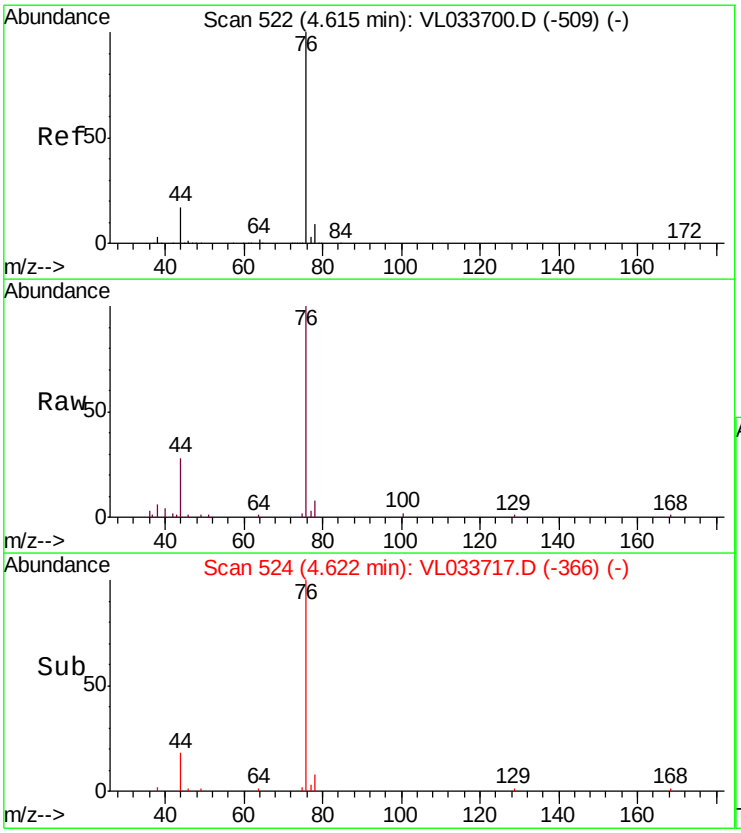
#26
Hexane
Concen: 0.690 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion: 57 Resp: 84664

Ion	Ratio	Lower	Upper
57	100		
41	89.5	69.8	104.6
43	77.9	181.8	272.6#
56	55.3	42.1	63.1

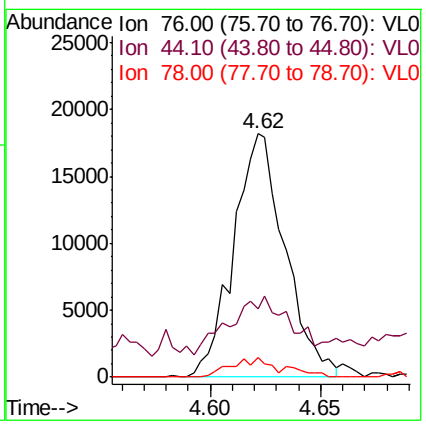


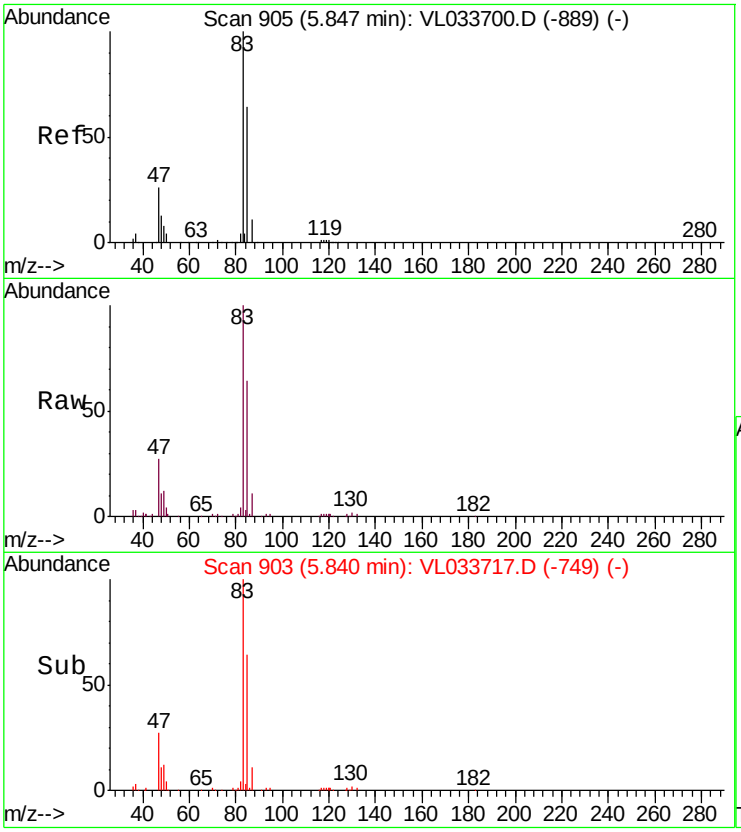


#27
Carbon Disulfide
Concen: 0.175 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 76 Resp: 29412

Ion	Ratio	Lower	Upper
76	100		
44	33.1	13.8	20.8#
78	7.8	7.4	11.0



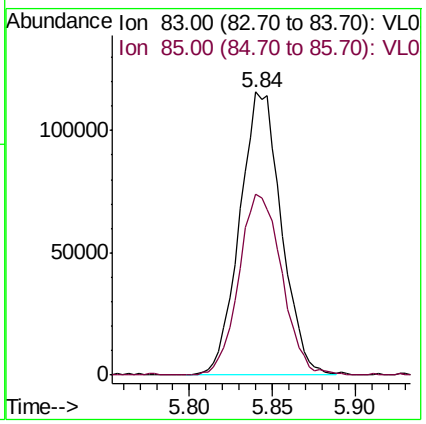


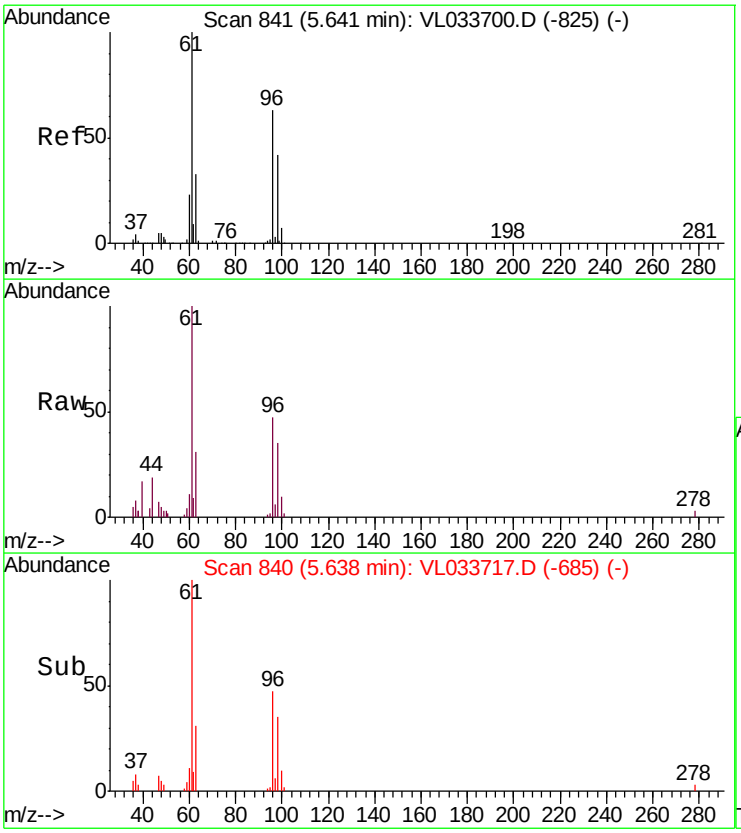
#29
Chloroform
Concen: 0.889 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :
S-01DL

Tgt Ion: 83 Resp: 201059

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.5	77.3

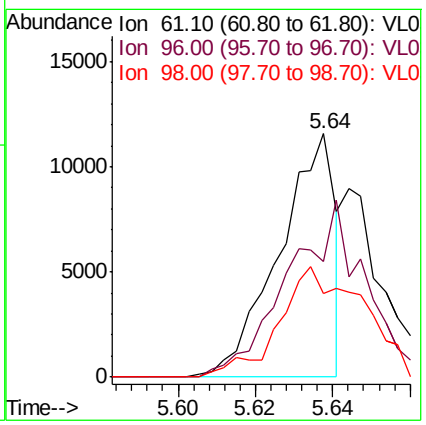


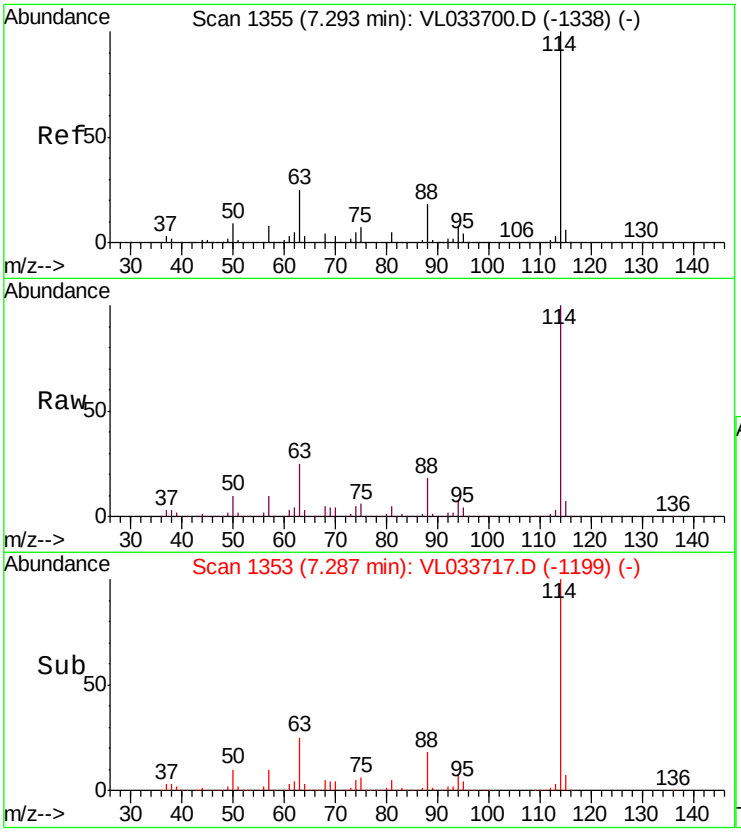


#31
cis-1,2-Dichloroethene
Concen: 0.096 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 61 Resp: 11650

Ion	Ratio	Lower	Upper
61	100		
96	48.4	50.8	76.2#
98	35.3	33.3	49.9



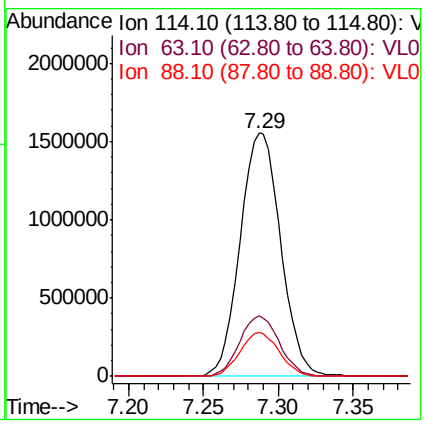


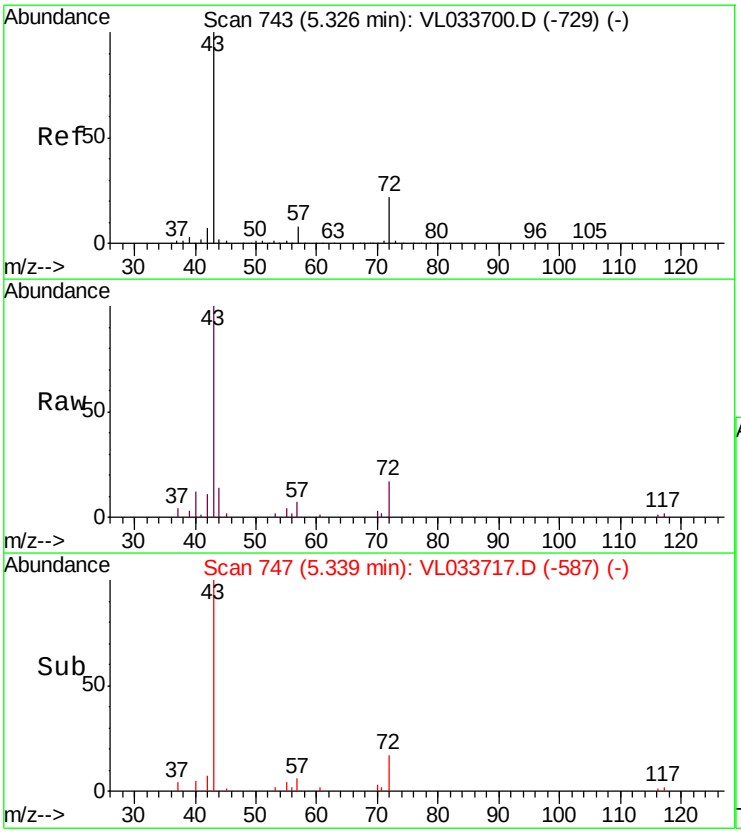
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument :
MSVOA_L
ClientSampleId :
S-01DL

Tgt Ion:114 Resp: 2925578

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.9	31.3
88	17.7	14.3	21.5

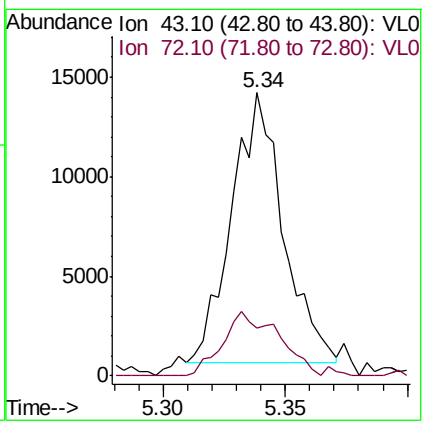


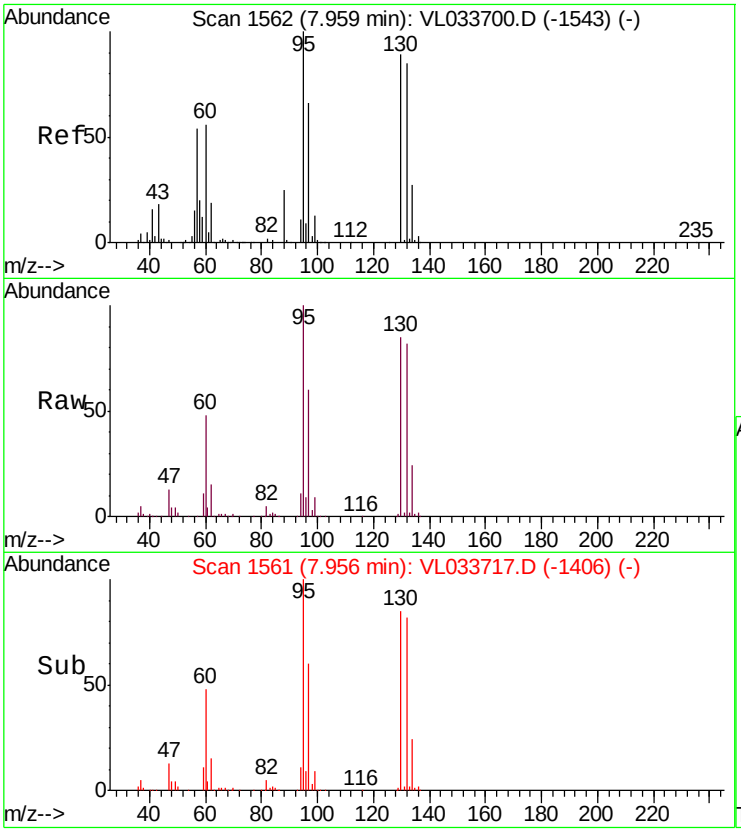


#34
2-Butanone
Concen: 0.109 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 43 Resp: 19849

Ion	Ratio	Lower	Upper
43	100		
72	26.9	17.8	26.6#



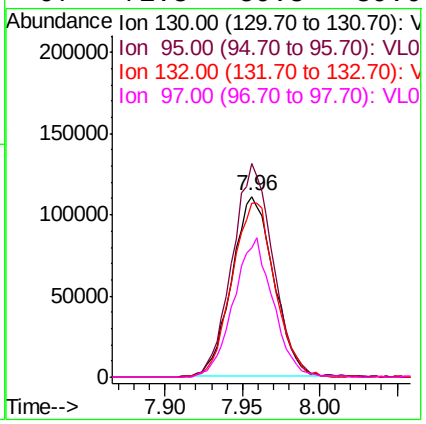


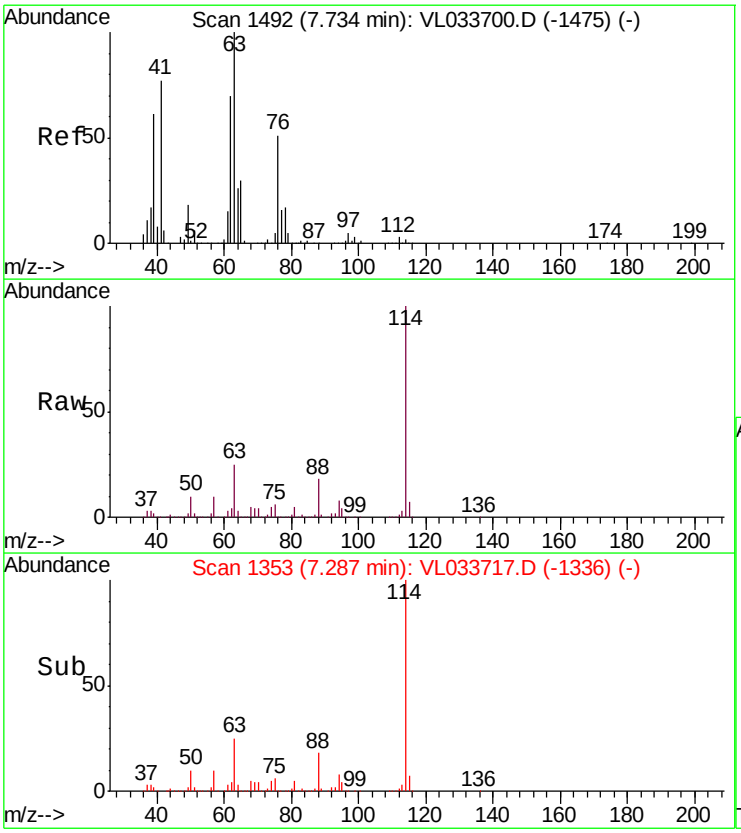
#38
Trichloroethene
Concen: 2.107 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion:130 Resp: 208024

Ion	Ratio	Lower	Upper
130	100		
95	118.3	90.2	135.4
132	97.0	76.4	114.6
97	71.3	59.8	89.6

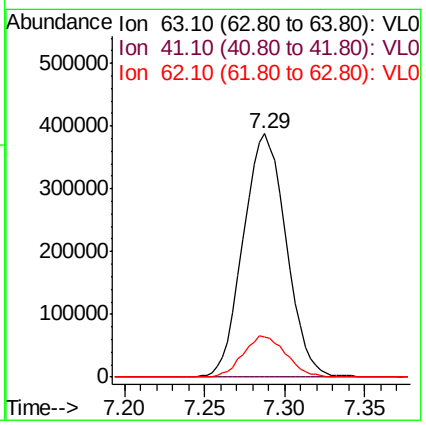


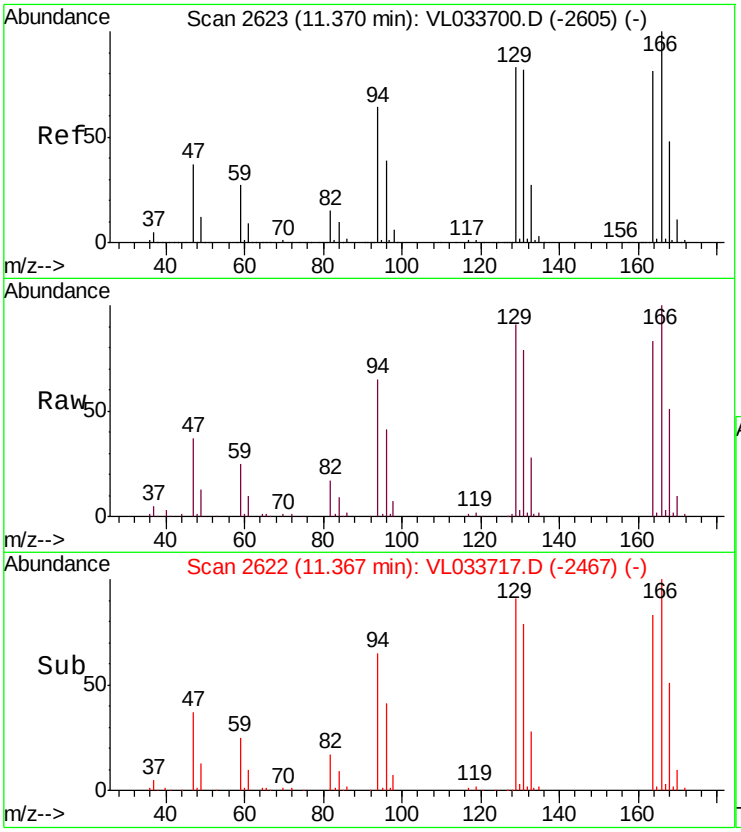


#39
1,2-Dichloropropane
Concen: 7.220 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 63 Resp: 716333

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	16.6	56.2	84.4#



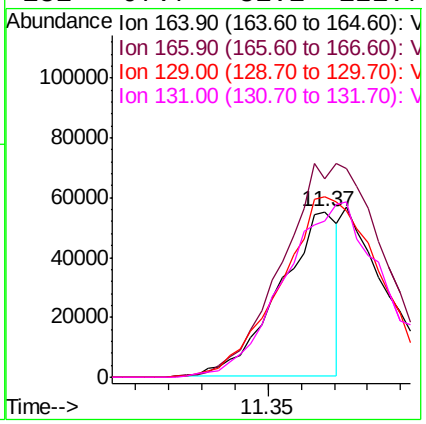


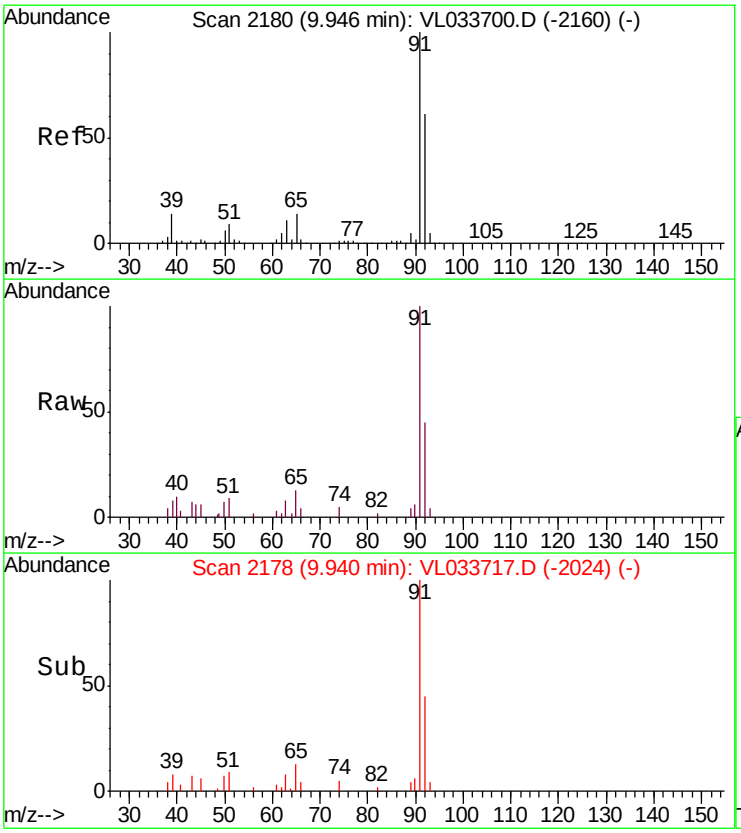
#52
Tetrachloroethene
Concen: 0.709 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion:164 Resp: 66336

Ion	Ratio	Lower	Upper
164	100		
166	119.4	98.9	148.3
129	109.6	81.8	122.6
131	97.7	81.1	121.7

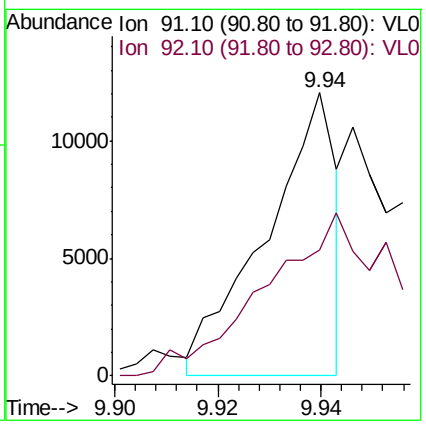


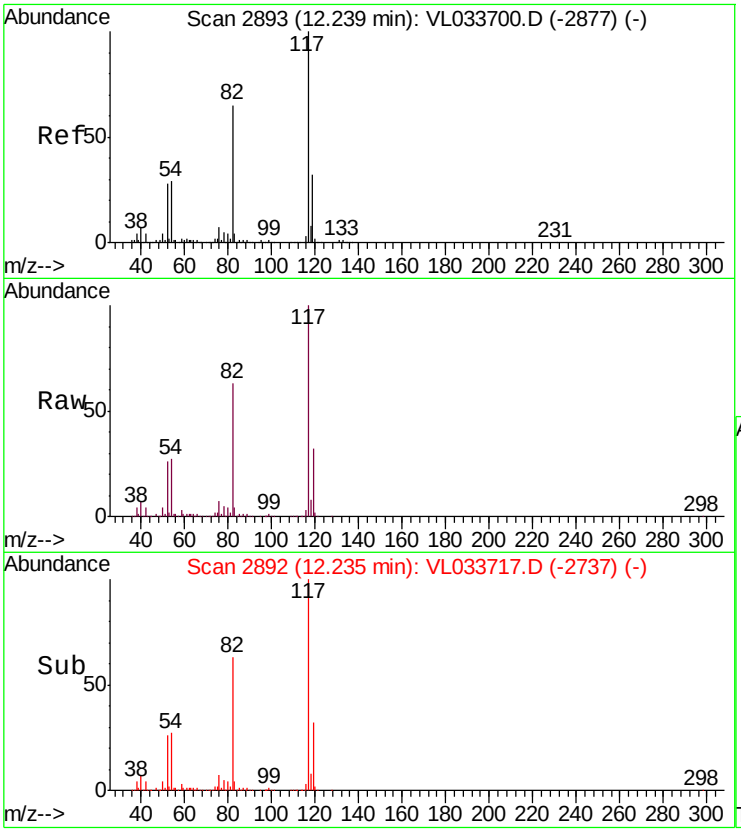


#53
Toluene
Concen: 0.040 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 91 Resp: 11389

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.6	71.4#



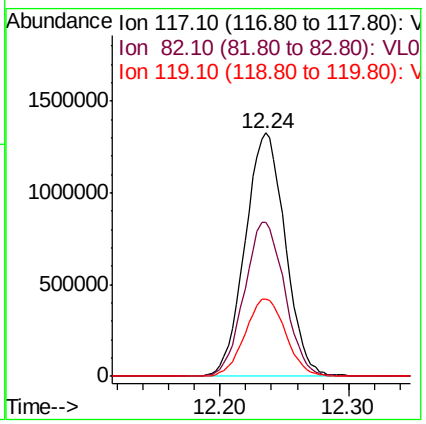


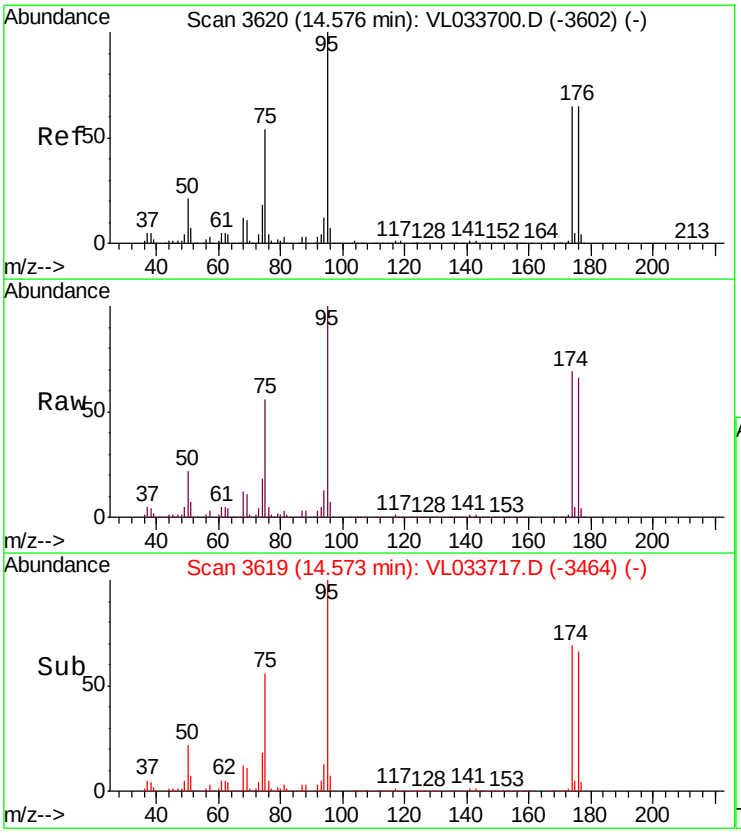
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Instrument : MSVOA_L
ClientSampleId : S-01DL

Tgt Ion:117 Resp: 2869654

Ion	Ratio	Lower	Upper
117	100		
82	64.1	49.4	74.0
119	32.5	24.9	37.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.964 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033717.D
Acq: 17 May 2019 15:23

Tgt Ion: 95 Resp: 2318085

Ion	Ratio	Lower	Upper
95	100		
174	68.7	53.9	80.9
175	5.0	3.8	5.8