Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

Quantitation Report (Not Reviewed)

Data File : VL033583.D
Acq On : 11 Apr 2019 3:37
Operator : SY/AP
Sample : K2312-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-10

Quant Time: Apr 11 05:12:12 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	5.76	49	765885	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1765528	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1720071	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1381862	10.25	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	34342	0.307	ppbv		97
3) Chlorodifluoromethane	2.99	51	3040411	34.482	ppbv	#	58
4) Chloromethane	3.17	50	20836	0.447	ppbv		99
9) Propene	3.24	41	46726	1.262	ppbv		93
10) Heptane	8.25	43	19038	0.192	ppbv		94
11) Trichlorofluoromethane	4.00	101	30362	0.221	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	2890	0.031	ppbv	#	14
13) Ethanol	3.65	45	898383	93.757	ppbv		66
15) Acetone	3.90	43	458669	4.981	ppbv		98
16) 1,3-Butadiene	3.34	39	2336	0.064	ppbv	#	6
17) tert-Butyl alcohol	4.37	59	3603	0.213	ppbv	#	73
19) Isopropyl Alcohol	4.03	45	304115	5.221	ppbv	#	95
20) Methylene Chloride	4.41	84	180102	4.607	ppbv		96
21) Allyl Chloride	4.41	41	5134	0.088	ppbv	#	18
23) Vinyl Acetate	5.14	43	14441	0.110	ppbv	#	79
25) Ethyl Acetate	5.77	43	548561	3.211	ppbv	#	90
26) Hexane	5.78	57	482647	6.353	ppbv	#	56
31) cis-1,2-Dichloroethene	5.76	61	26752	0.354	ppbv	#	29
34) 2-Butanone	5.33	43	28188	0.266	ppbv		98
35) Carbon Tetrachloride	7.13	117	4337	0.035	ppbv		97
36) Benzene	7.00	78	14796	0.100	ppbv	#	89
39) 1,2-Dichloropropane	7.29	63	466426	8.038	ppbv	#	24
41) Tetrahydrofuran	5.78	42	199245	3.415	ppbv	#	50
44) 2,2,4-Trimethylpentane	7.99	57	9954	0.038	ppbv	#	30
53) Toluene	9.94	91	512380	2.976	ppbv		99

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

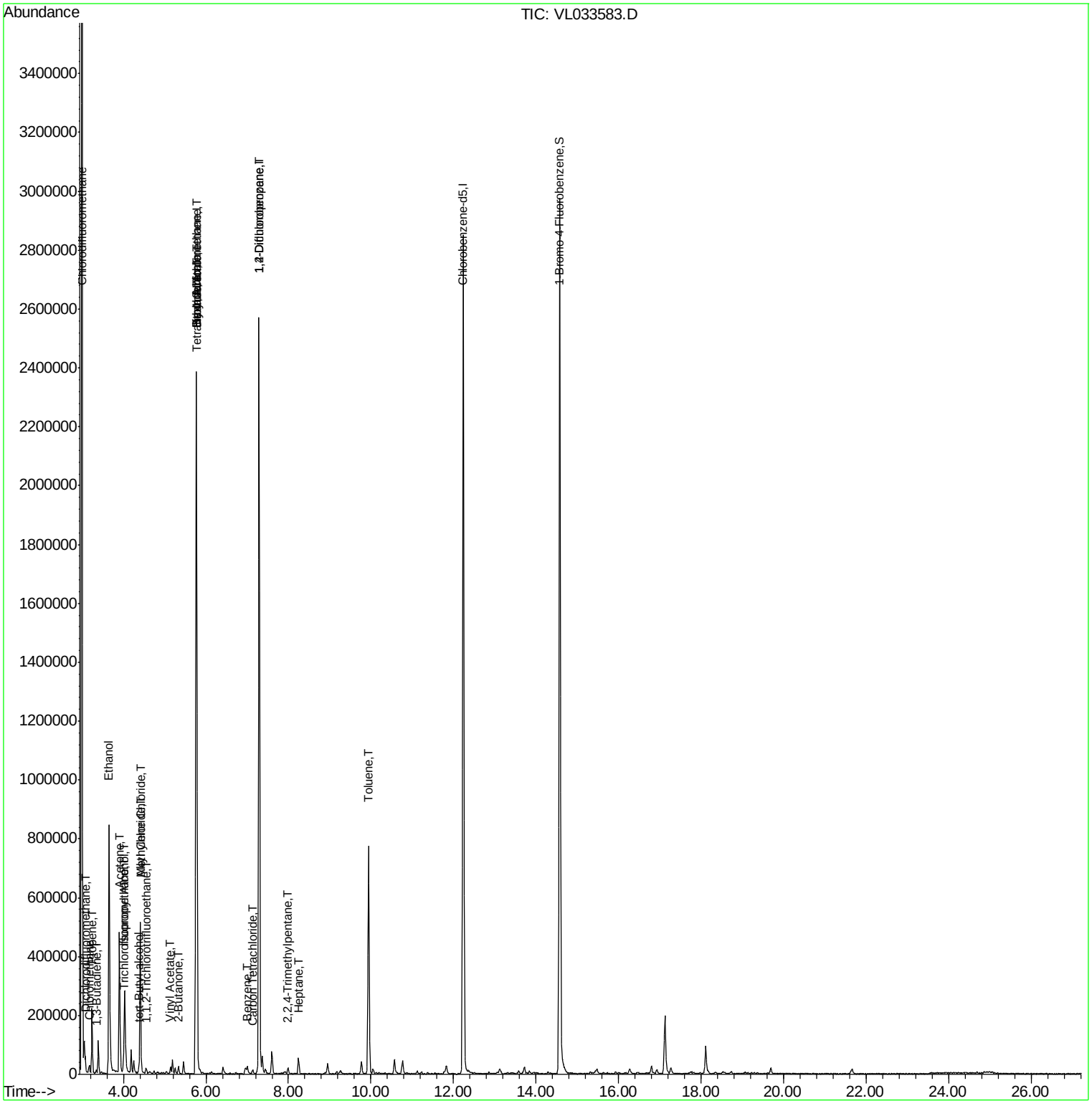
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

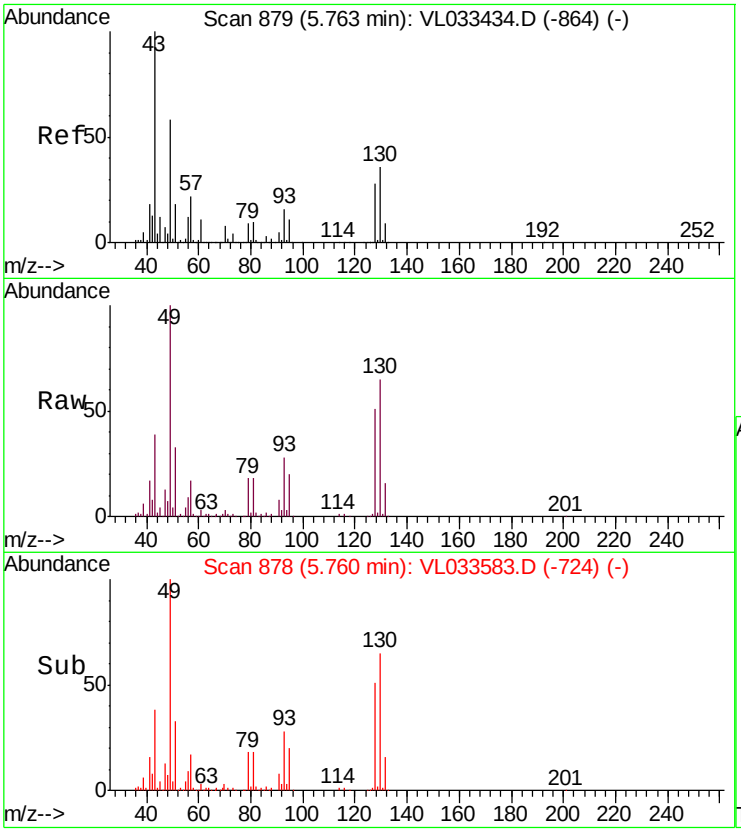
Quantitation Report (Not Reviewed)

Data File : VL033583.D
Acq On : 11 Apr 2019 3:37
Operator : SY/AP
Sample : K2312-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-10

Quant Time: Apr 11 05:12:12 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



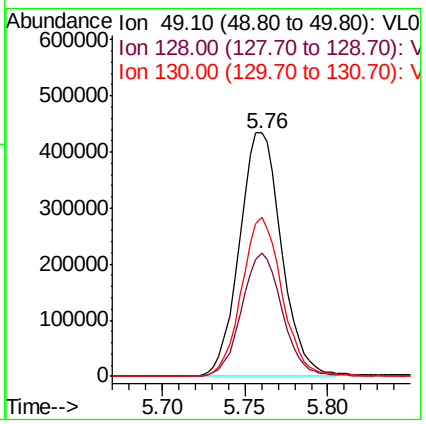


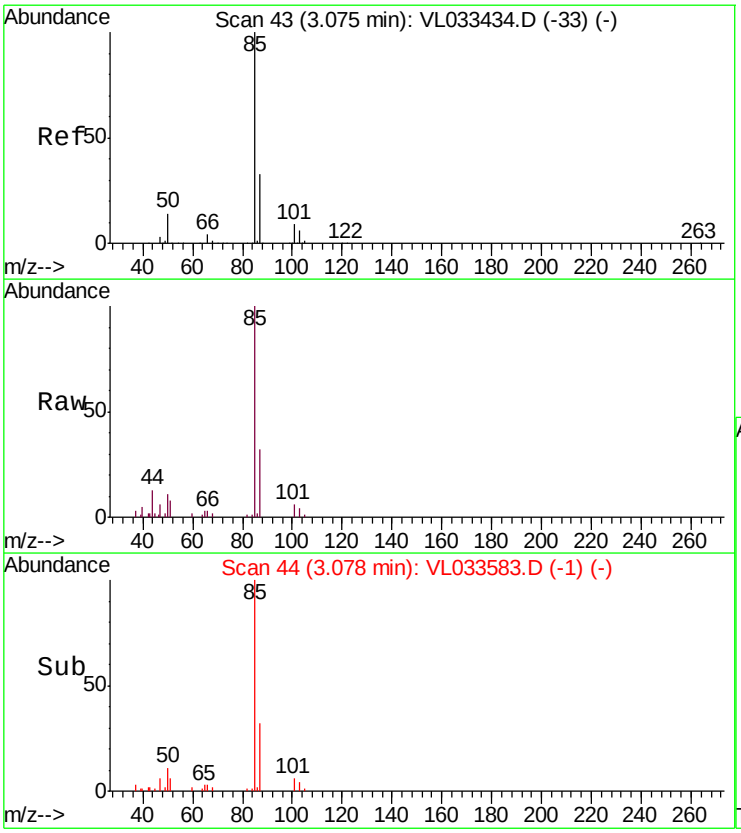
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument :
MSVOA_L
ClientSampleId :
A-10

Tgt Ion: 49 Resp: 765885

Ion	Ratio	Lower	Upper
49	100		
128	49.2	24.0	72.0
130	62.9	31.2	93.6

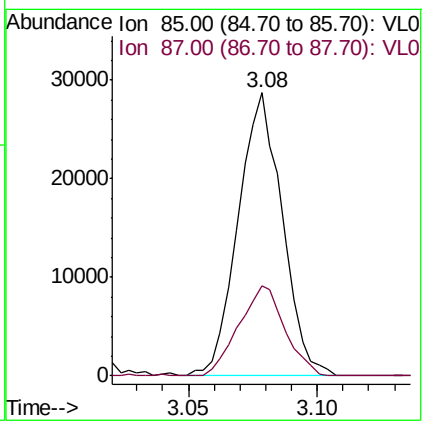


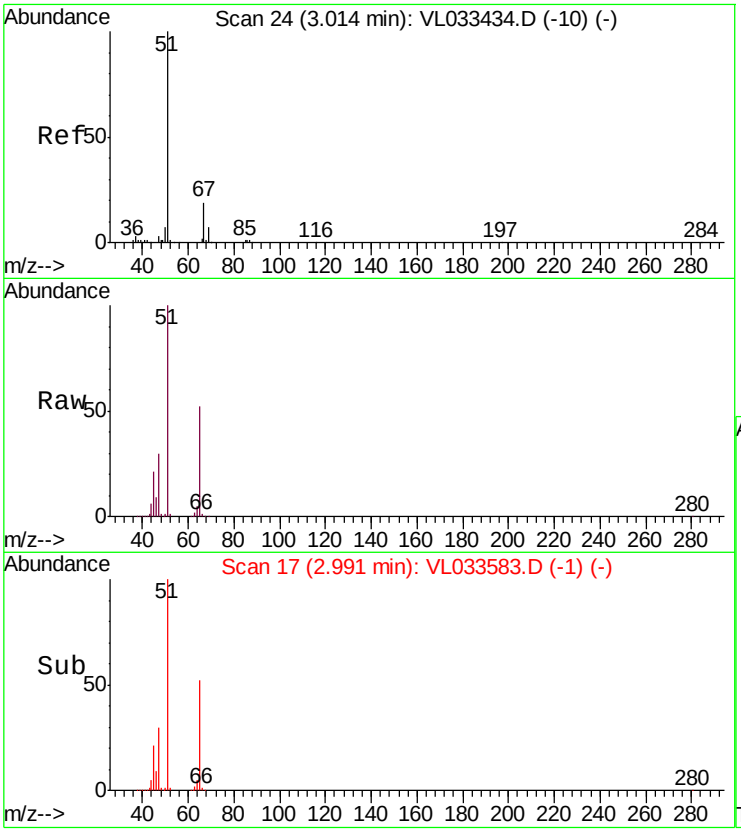


#2
Dichlorodifluoromethane
Concen: 0.307 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 85 Resp: 34342

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.7	40.1



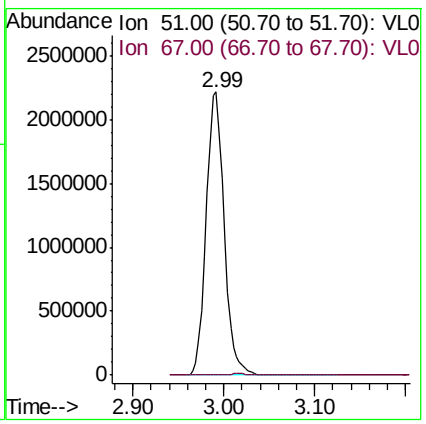


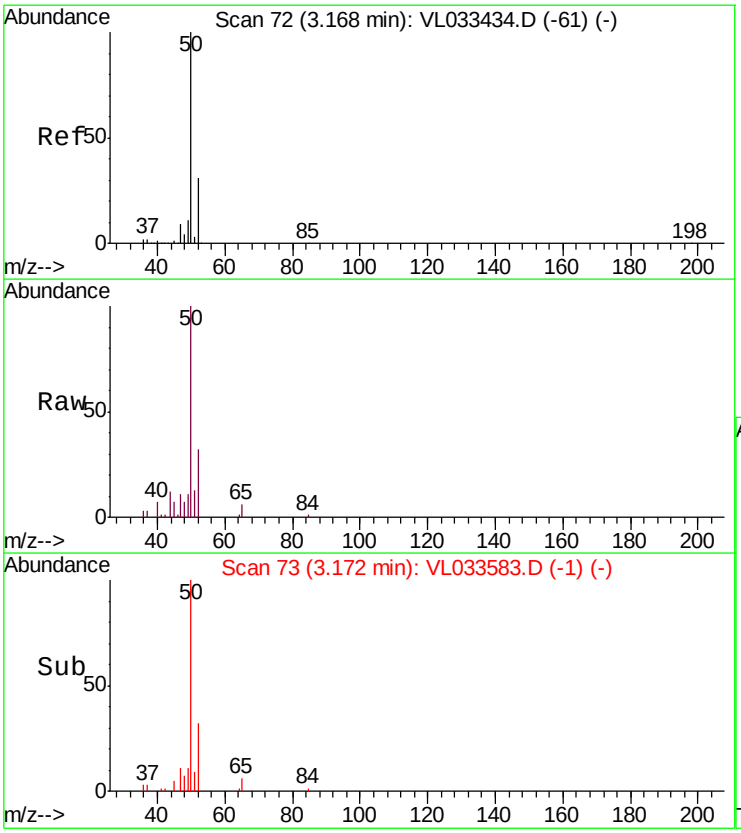
#3
Chlorodifluoromethane
Concen: 34.482 ppbv
RT: 2.99 min Scan# 17
Delta R.T. -0.02 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 51 Resp: 3040411

Ion	Ratio	Lower	Upper
51	100		
67	0.5	15.7	23.5#

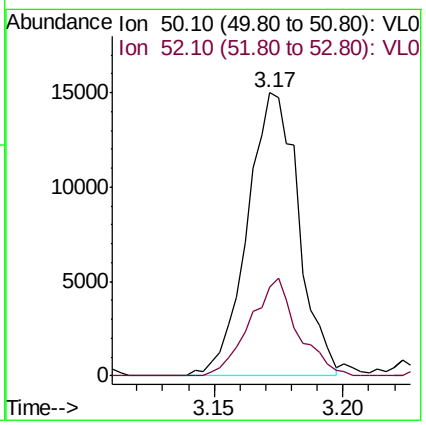


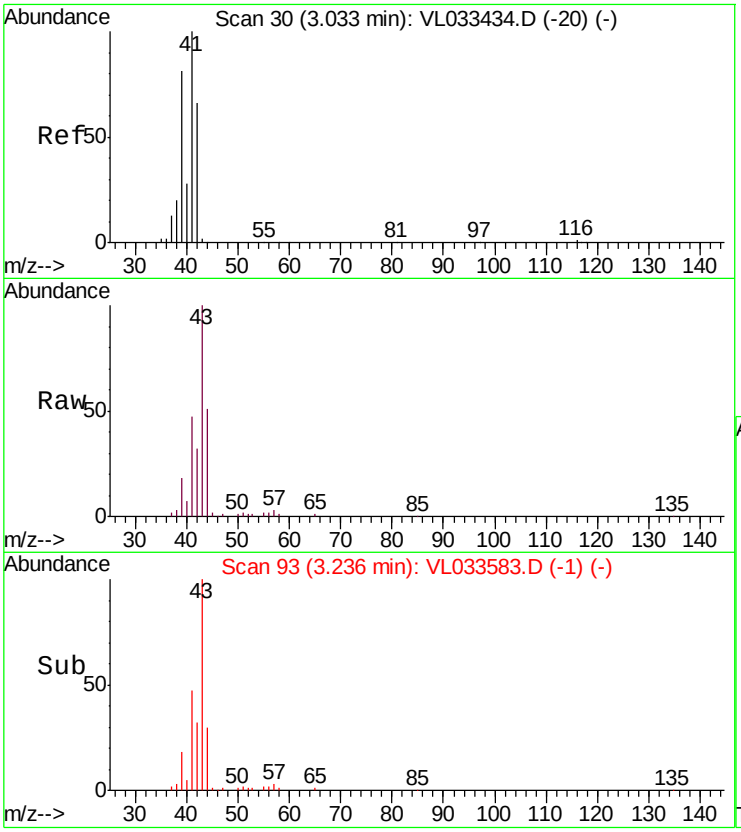


#4
Chloromethane
Concen: 0.447 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 50 Resp: 20836

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.0	37.6



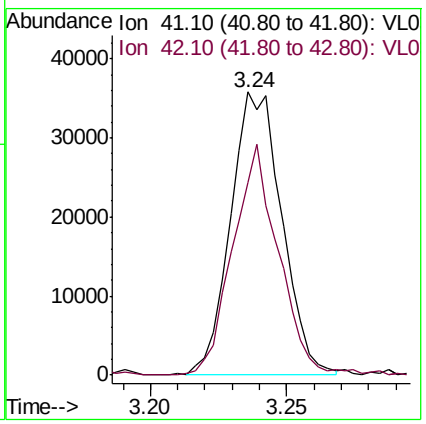


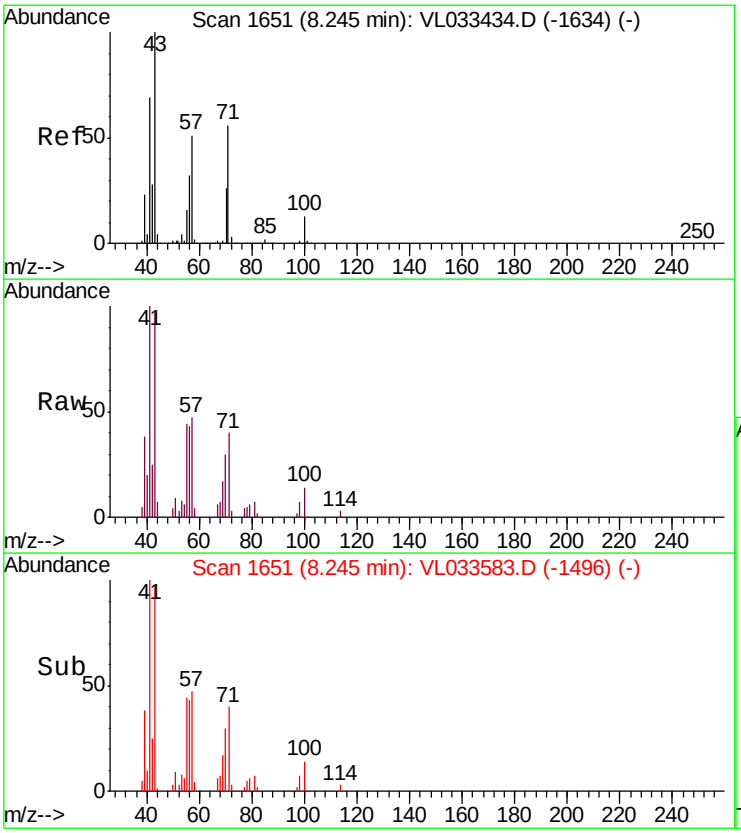
#9
Propene
Concen: 1.262 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 41 Resp: 46726

Ion	Ratio	Lower	Upper
41	100		
42	73.2	53.9	80.9

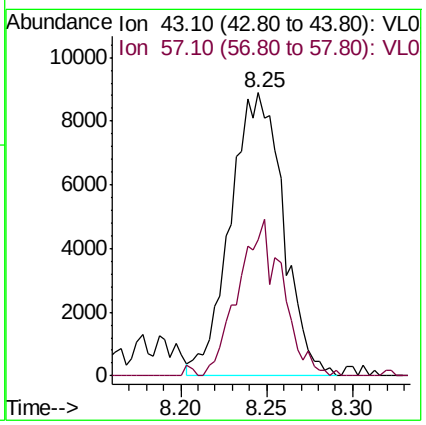


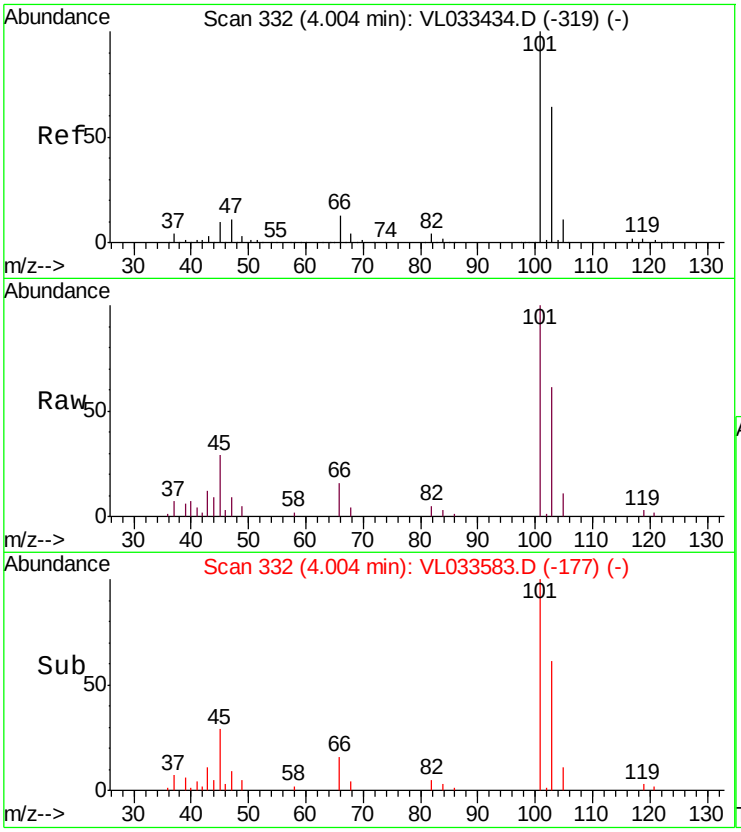


#10
Heptane
Concen: 0.192 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 43 Resp: 19038

Ion	Ratio	Lower	Upper
43	100		
57	46.6	40.6	60.8



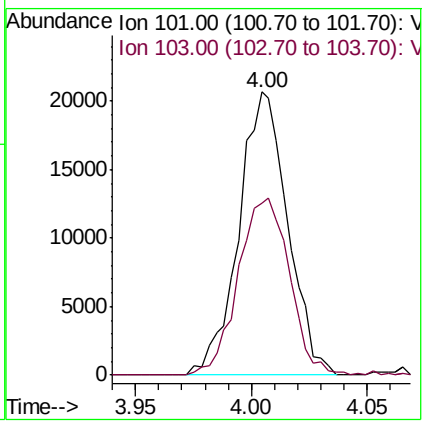


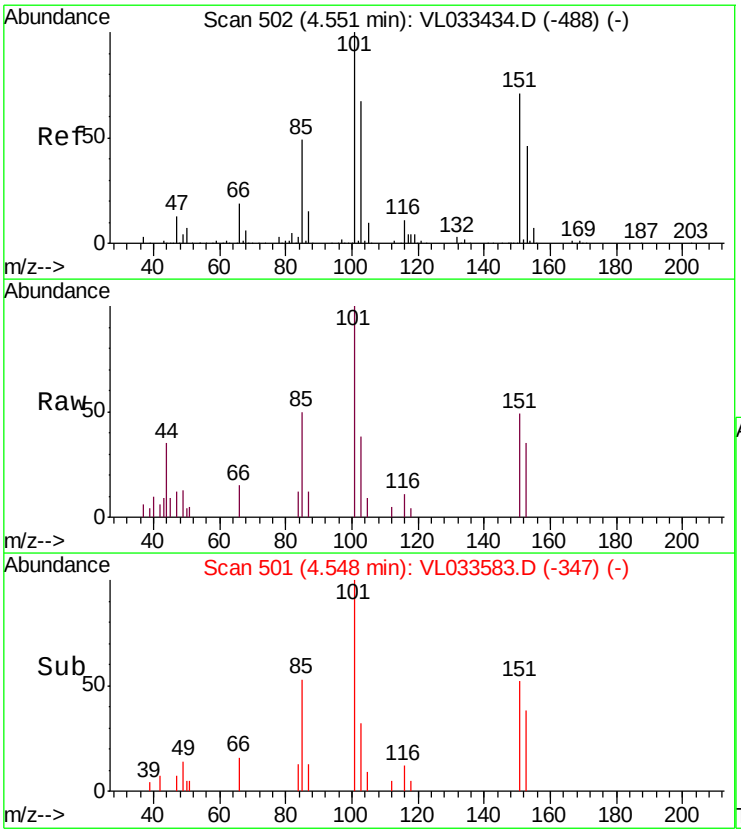
#11
Trichlorofluoromethane
Concen: 0.221 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument :
MSVOA_L
ClientSampleId :
A-10

Tgt Ion:101 Resp: 30362

Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.3	76.9

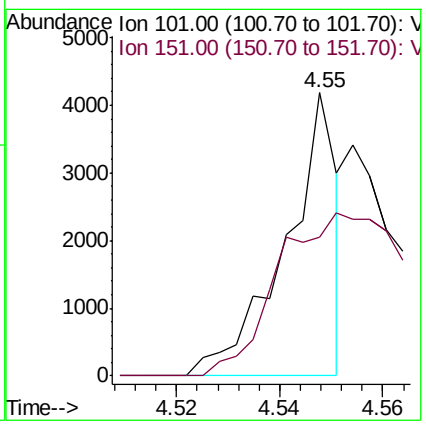


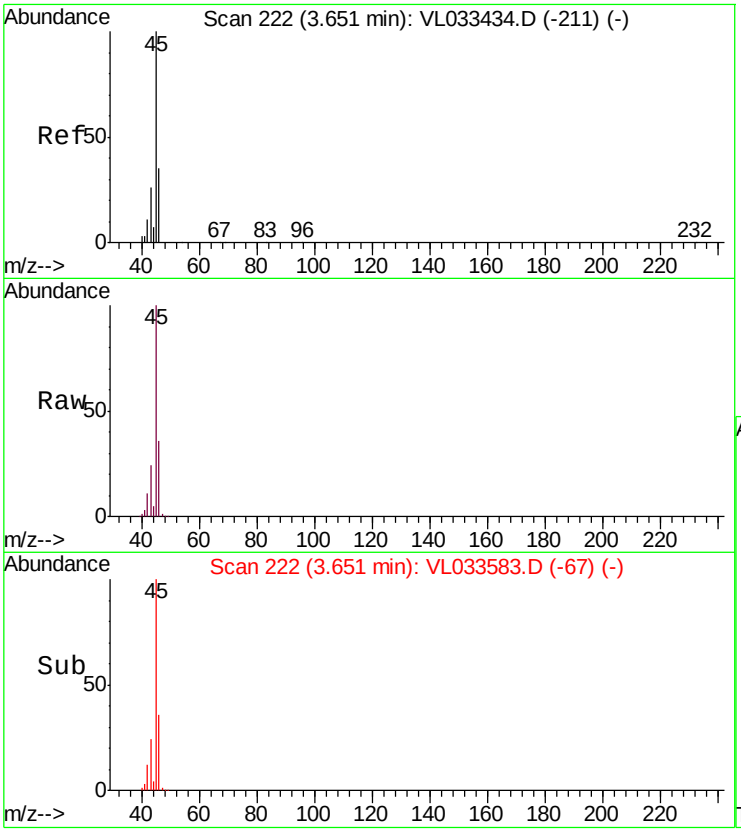


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.031 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion:101 Resp: 2890

Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.7	86.5#



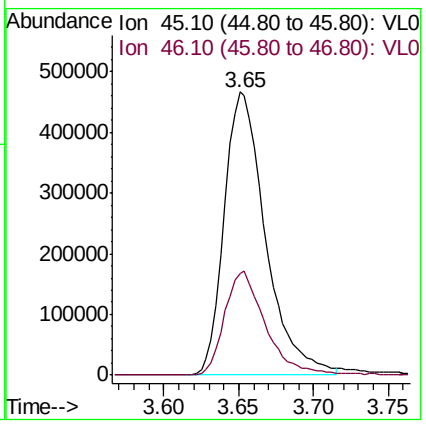


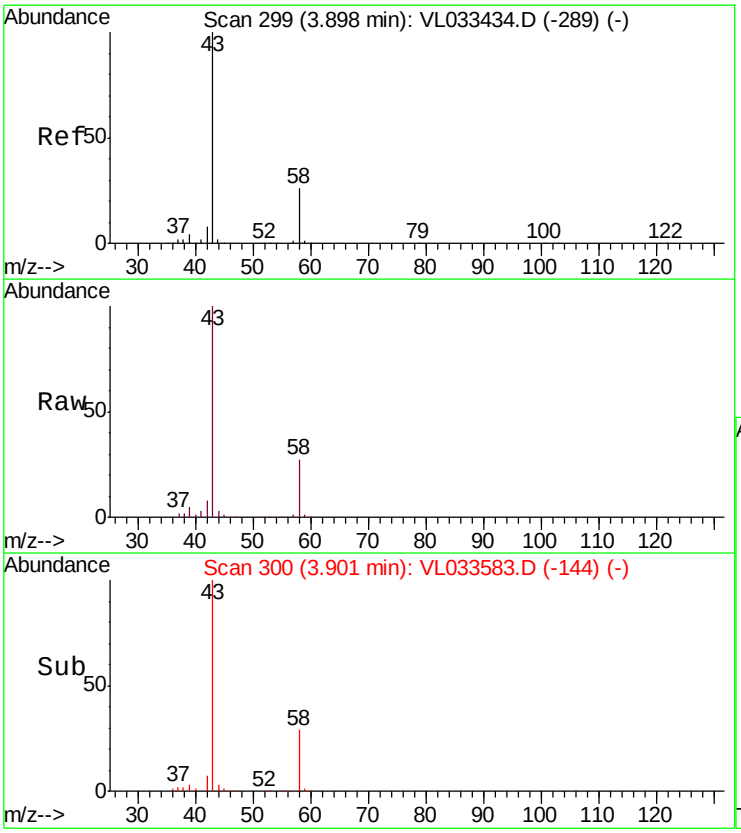
#13
Ethanol
Concen: 93.757 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 45 Resp: 898383

Ion	Ratio	Lower	Upper
45	100		
46	36.7	25.4	101.8

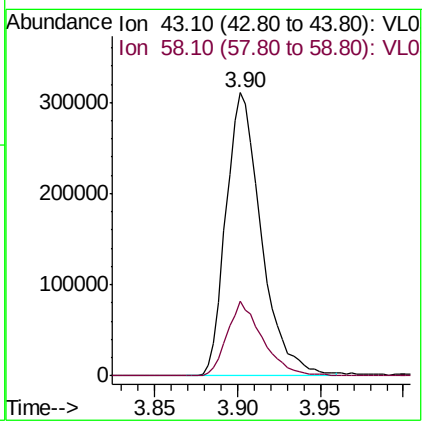


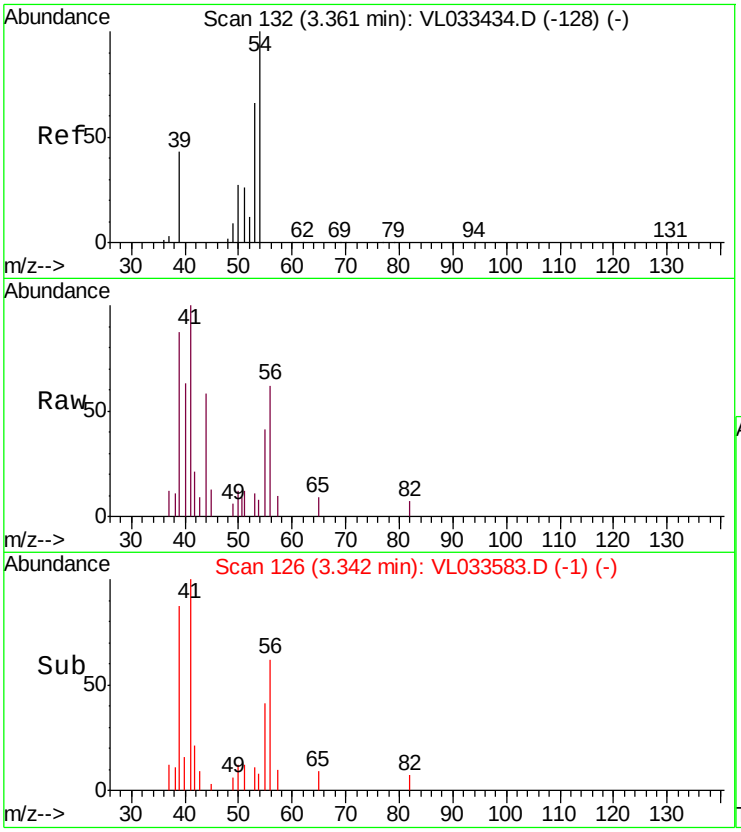


#15
Acetone
Concen: 4.981 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 43 Resp: 458669

Ion	Ratio	Lower	Upper
43	100		
58	26.5	20.5	30.7



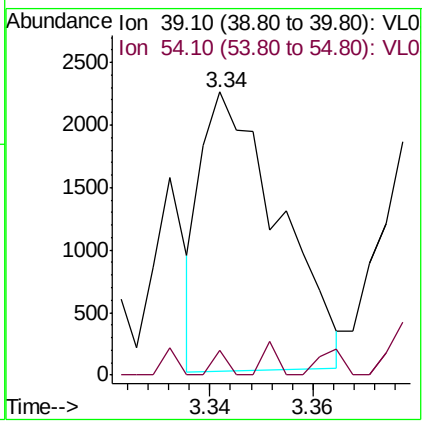


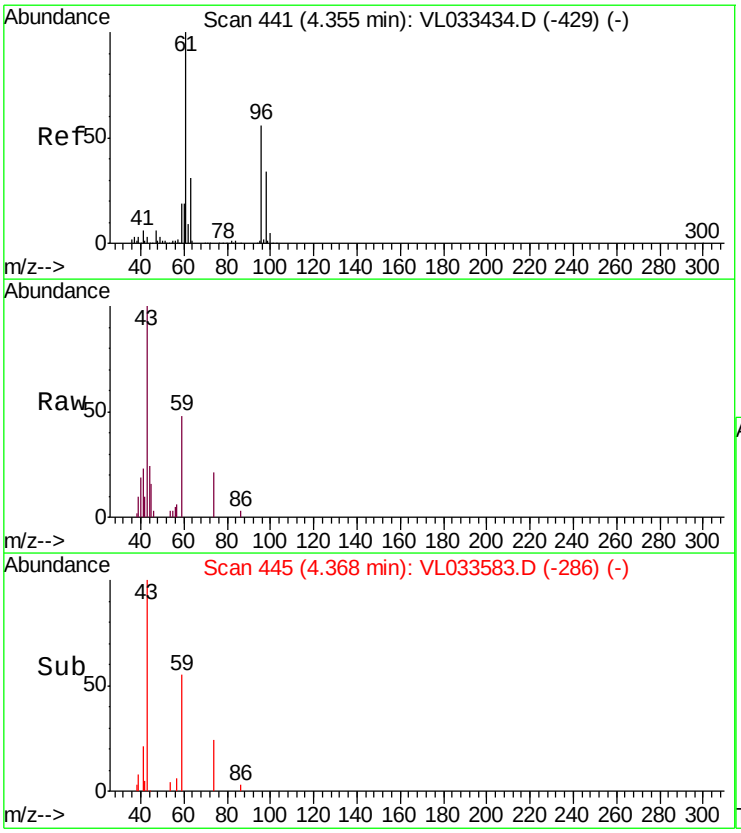
#16
1,3-Butadiene
Concen: 0.064 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 39 Resp: 2336

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.4	104.2#

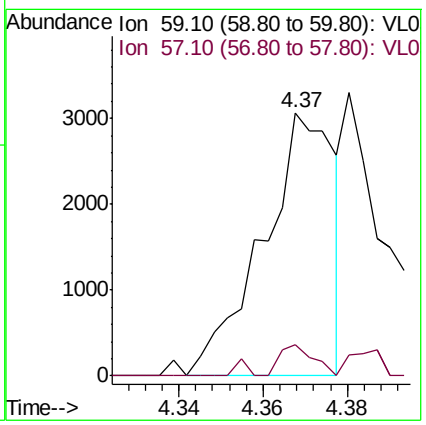


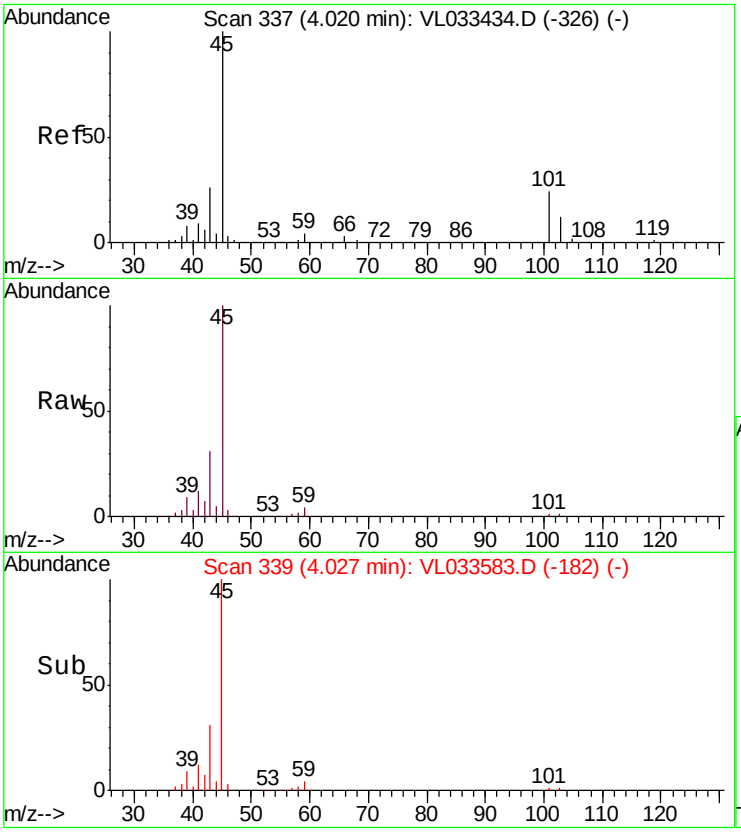


#17
tert-Butyl alcohol
Concen: 0.213 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 59 Resp: 3603

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



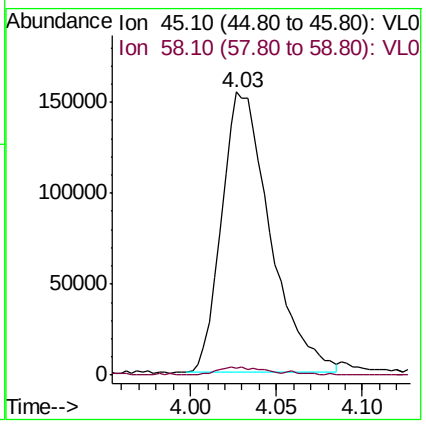


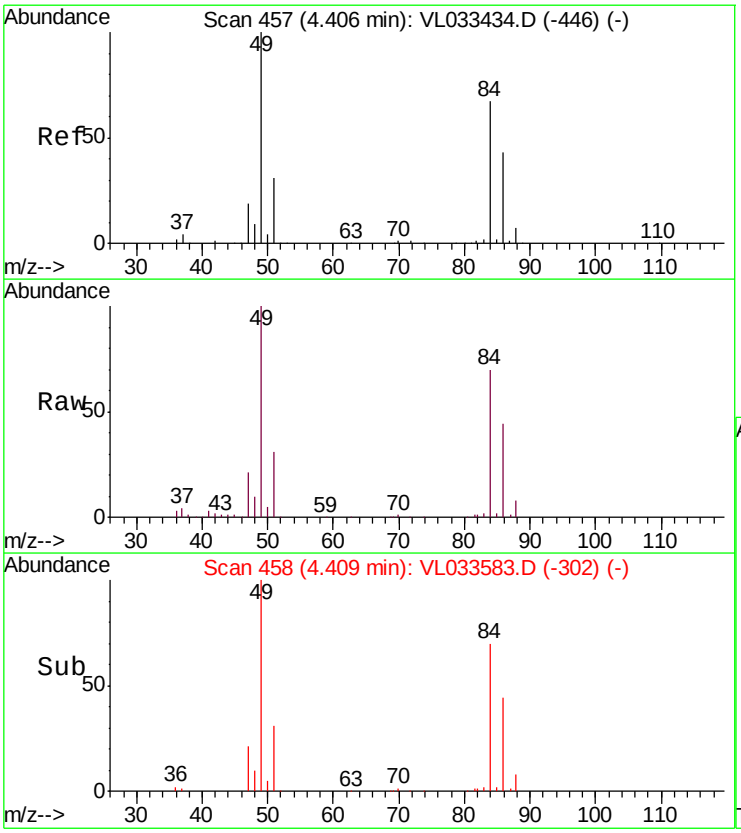
#19
Isopropyl Alcohol
Concen: 5.221 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 45 Resp: 304115

Ion	Ratio	Lower	Upper
45	100		
58	3.5	1.4	2.2#

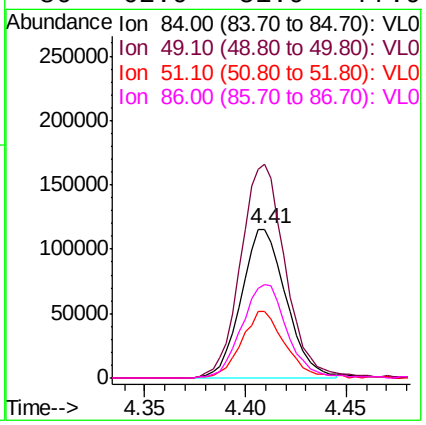


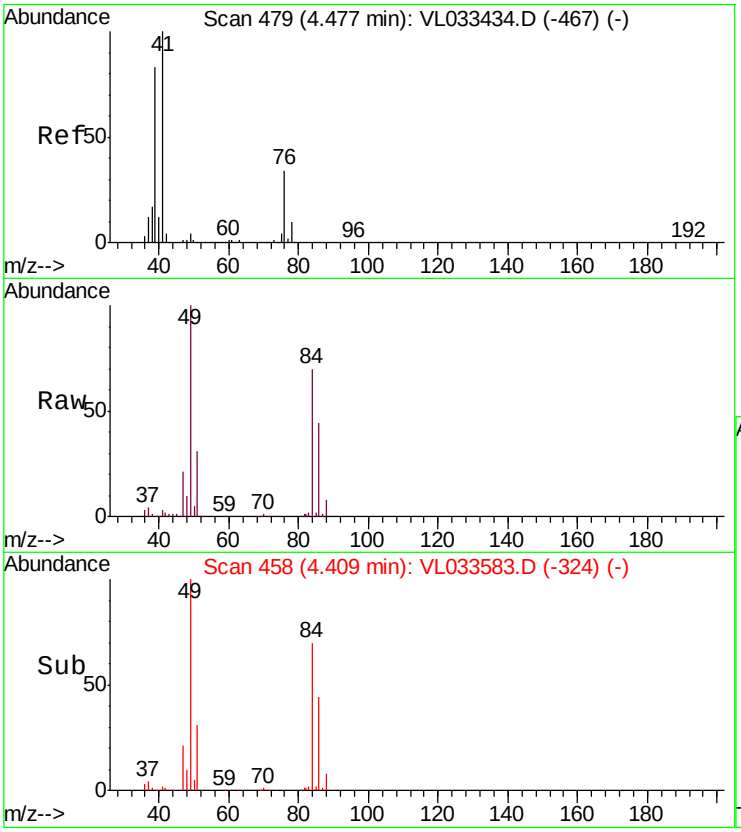


#20
Methylene Chloride
Concen: 4.607 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 84 Resp: 180102

Ion	Ratio	Lower	Upper
84	100		
49	143.2	120.0	180.0
51	44.4	36.7	55.1
86	62.9	51.9	77.9



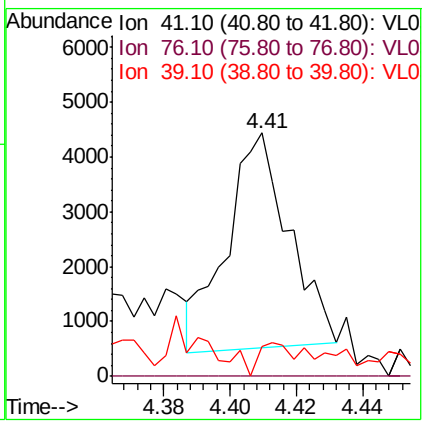


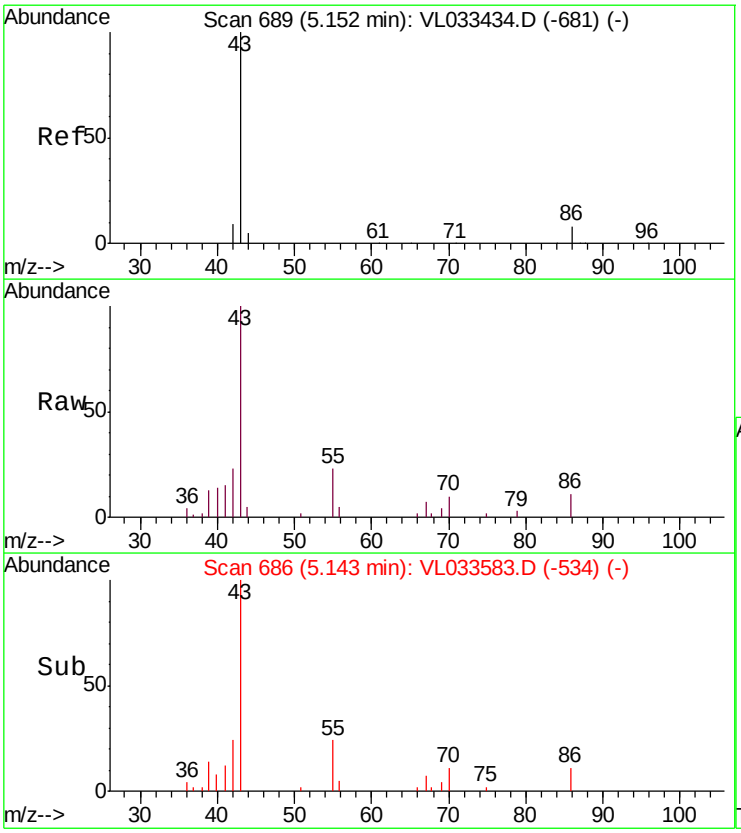
#21
Allyl Chloride
Concen: 0.088 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.07 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 41 Resp: 5134

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.2#
39	0.0	65.3	97.9#

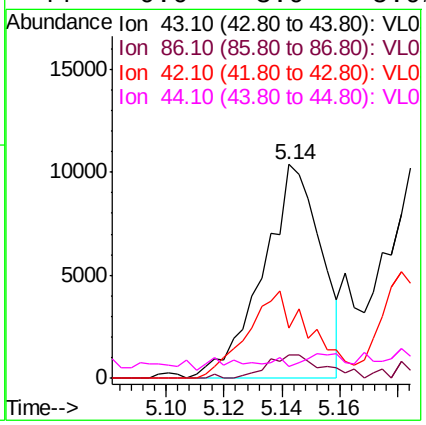


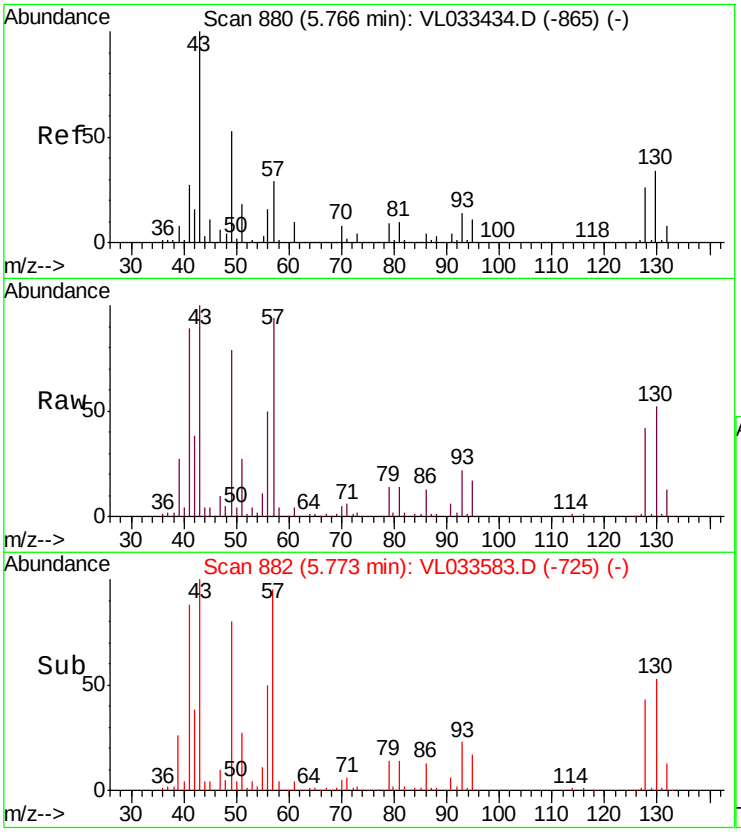


#23
Vinyl Acetate
Concen: 0.110 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 43 Resp: 14441

Ion	Ratio	Lower	Upper
43	100		
86	10.3	5.6	8.4#
42	22.0	8.0	12.0#
44	0.0	3.9	5.9#



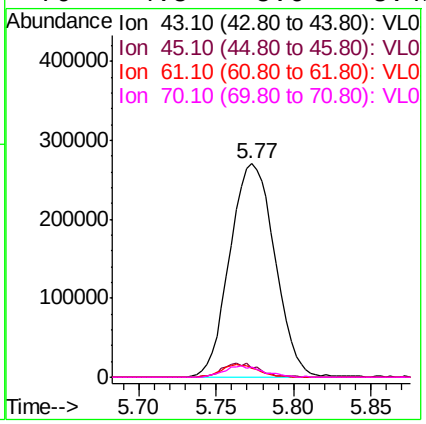


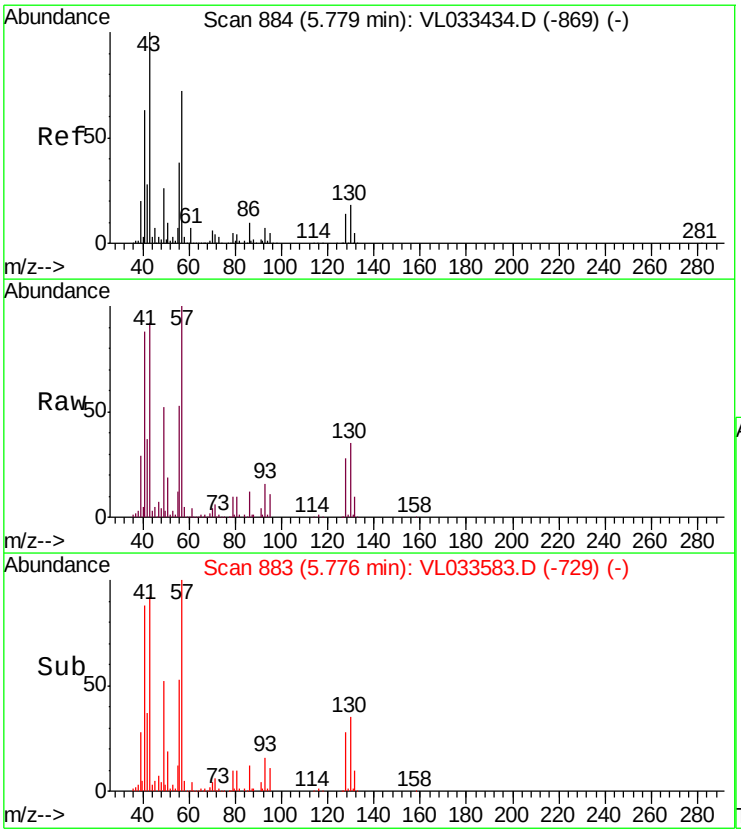
#25
Ethyl Acetate
Concen: 3.211 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 43 Resp: 548561

Ion	Ratio	Lower	Upper
43	100		
45	5.7	7.8	11.6#
61	4.9	7.3	10.9#
70	4.5	5.6	8.4#

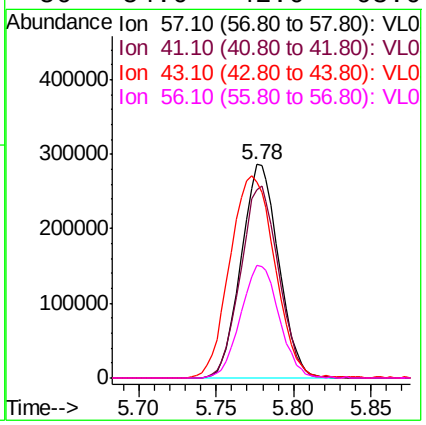


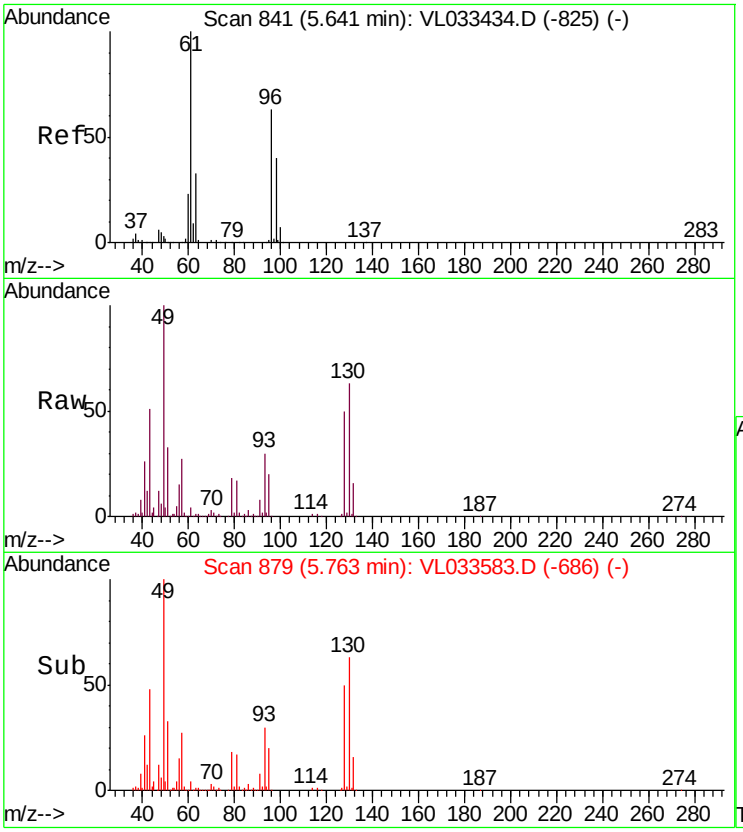


#26
Hexane
Concen: 6.353 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 57 Resp: 482647

Ion	Ratio	Lower	Upper
57	100		
41	91.8	70.7	106.1
43	114.4	182.6	274.0#
56	54.0	42.0	63.0



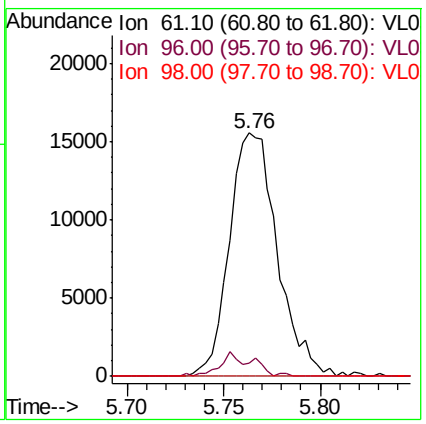


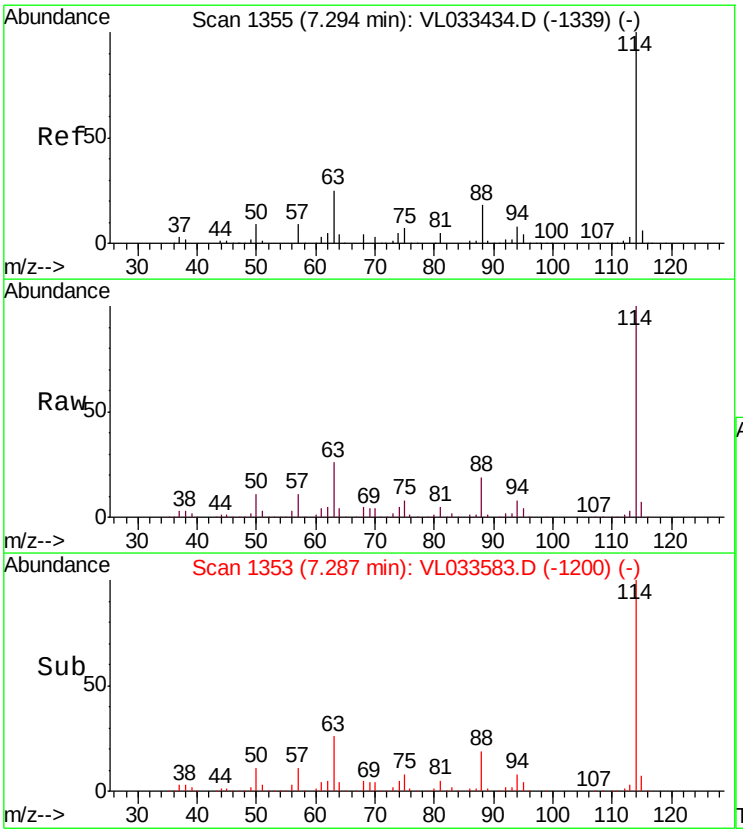
#31
cis-1,2-Dichloroethene
Concen: 0.354 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.12 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument :
MSVOA_L
ClientSampleId :
A-10

Tgt Ion: 61 Resp: 26752

Ion	Ratio	Lower	Upper
61	100		
96	5.2	50.6	76.0#
98	0.0	32.2	48.2#

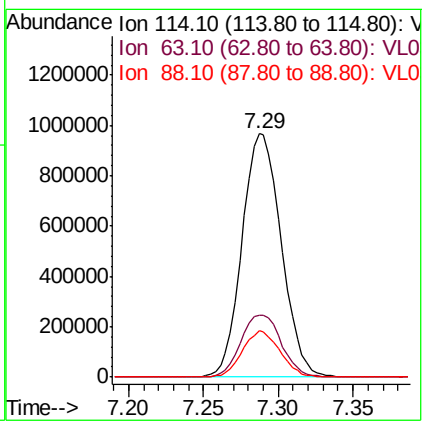


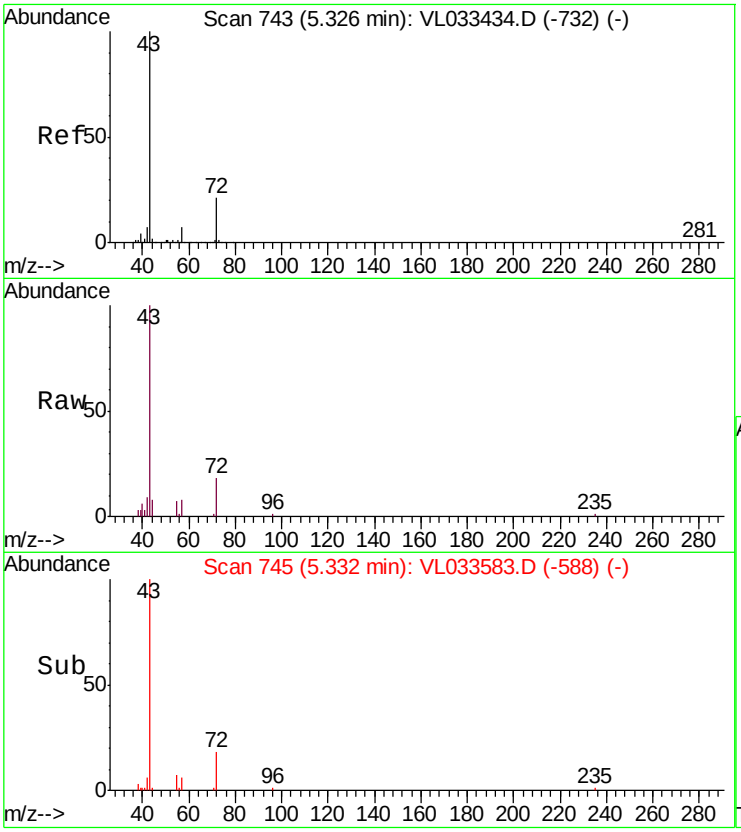


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion:114 Resp: 1765528

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.3	14.5	21.7



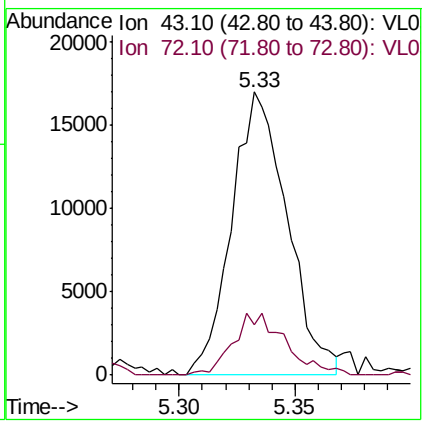


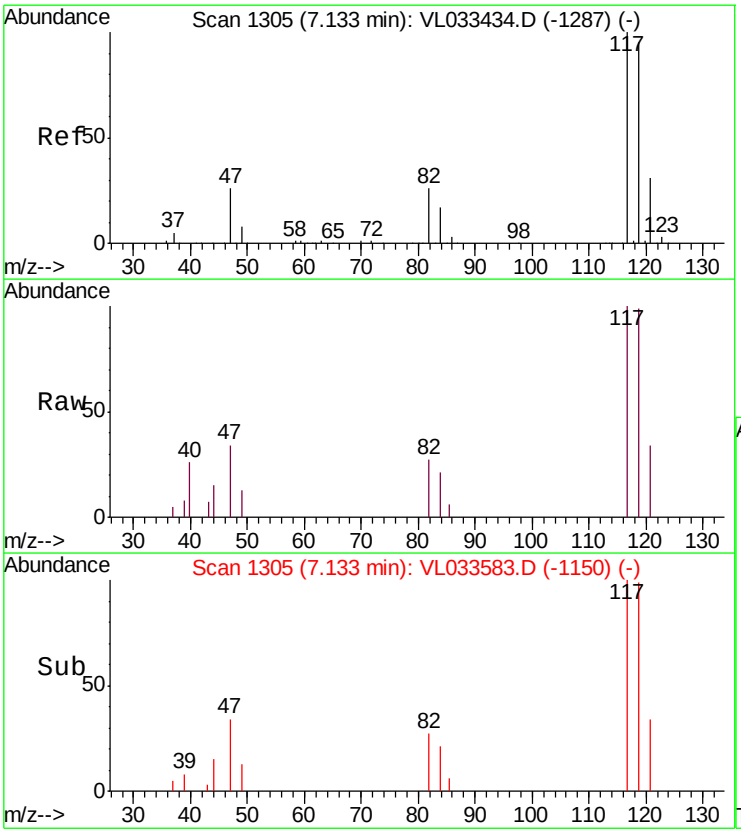
#34
2-Butanone
Concen: 0.266 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 43 Resp: 28188

Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.4	26.2

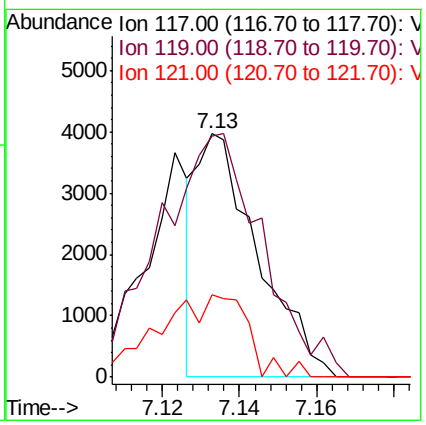


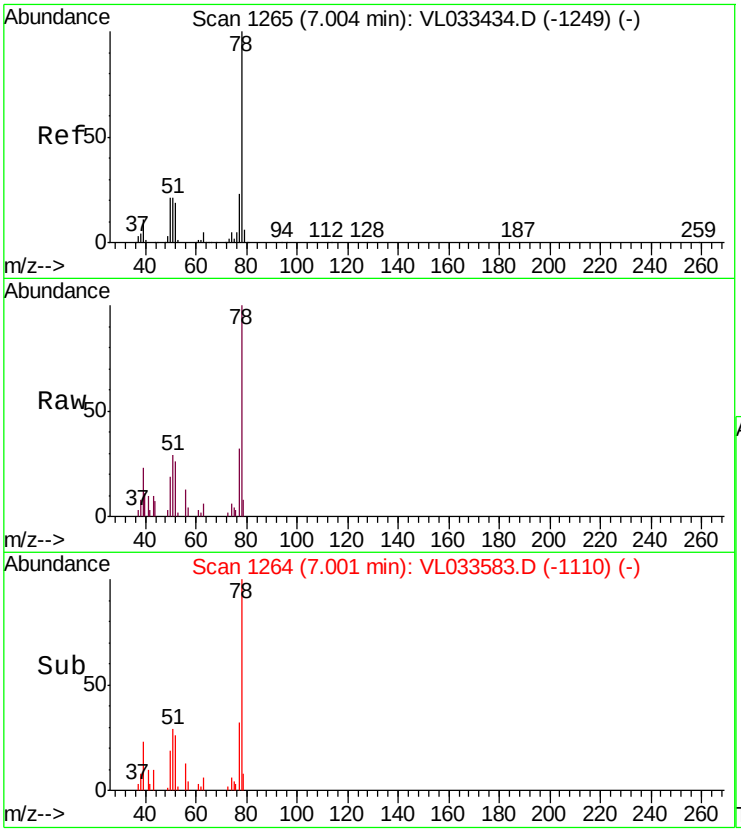


#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion:117 Resp: 4337

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.8	113.8
121	33.9	24.7	37.1



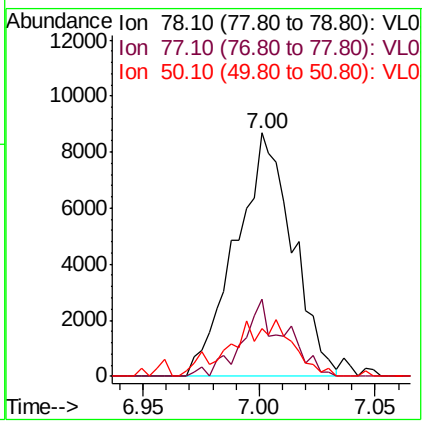


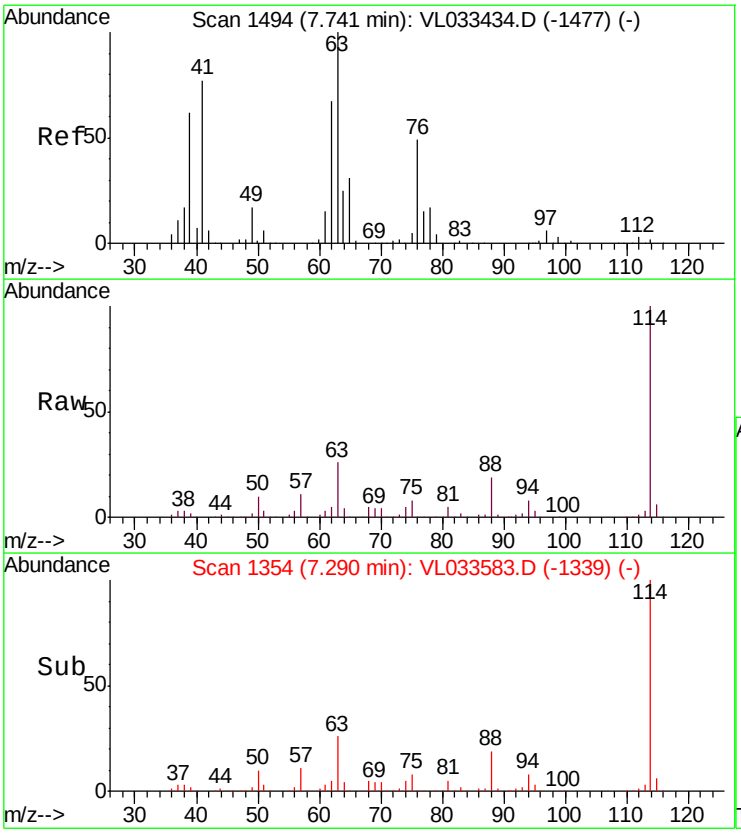
#36
Benzene
Concen: 0.100 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 78 Resp: 14796

Ion	Ratio	Lower	Upper
78	100		
77	31.5	18.1	27.1#
50	19.4	16.7	25.1

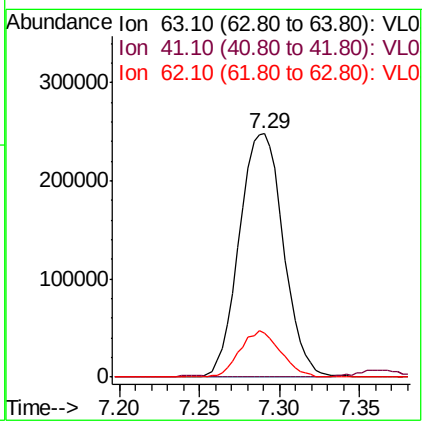


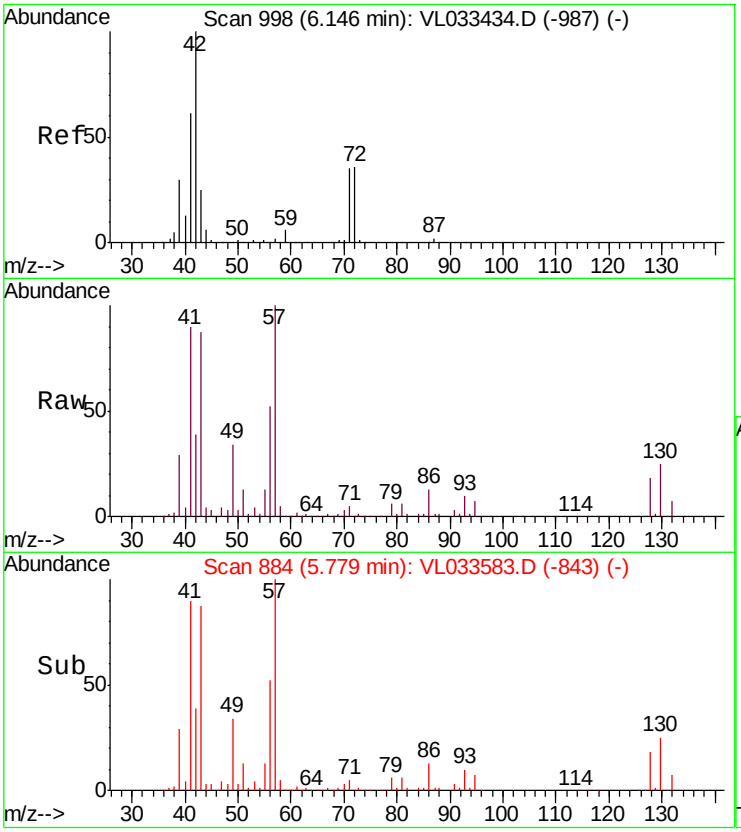


#39
1,2-Dichloropropane
Concen: 8.038 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 63 Resp: 466426

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	18.0	54.0	81.0#



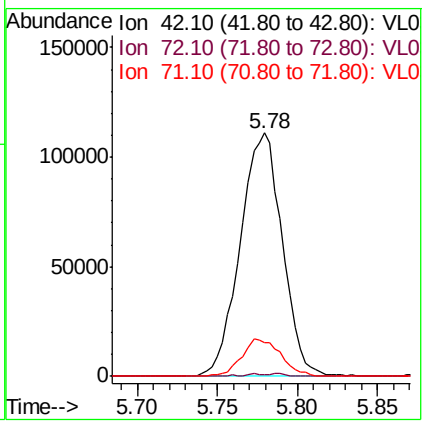


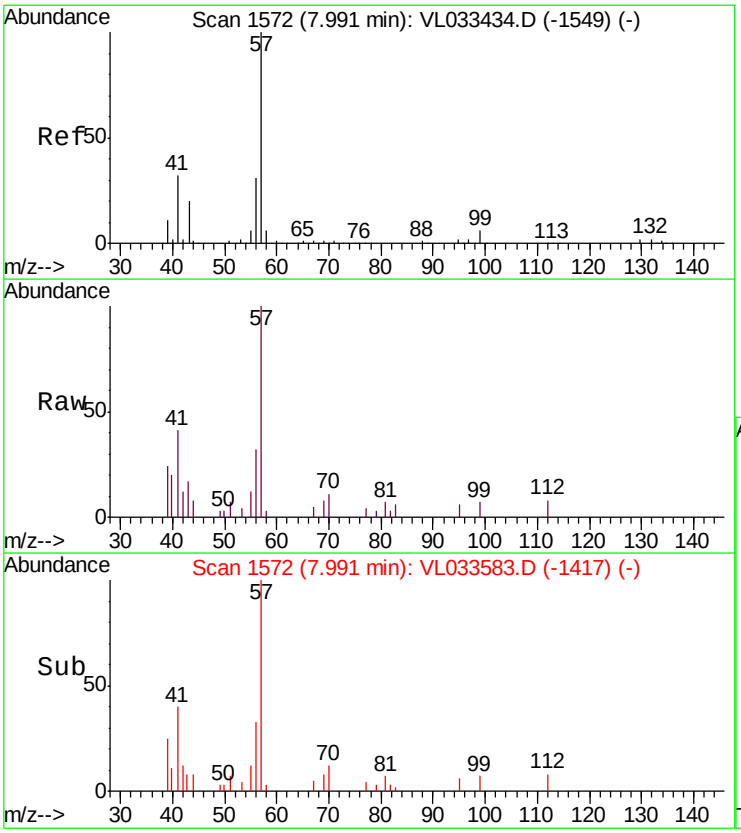
#41
Tetrahydrofuran
Concen: 3.415 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.37 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 42 Resp: 199245

Ion	Ratio	Lower	Upper
42	100		
72	1.0	30.2	45.2#
71	14.3	29.4	44.2#

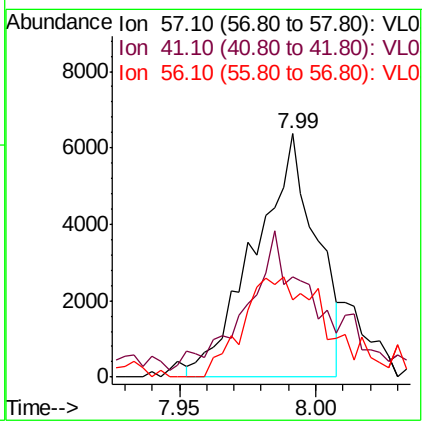


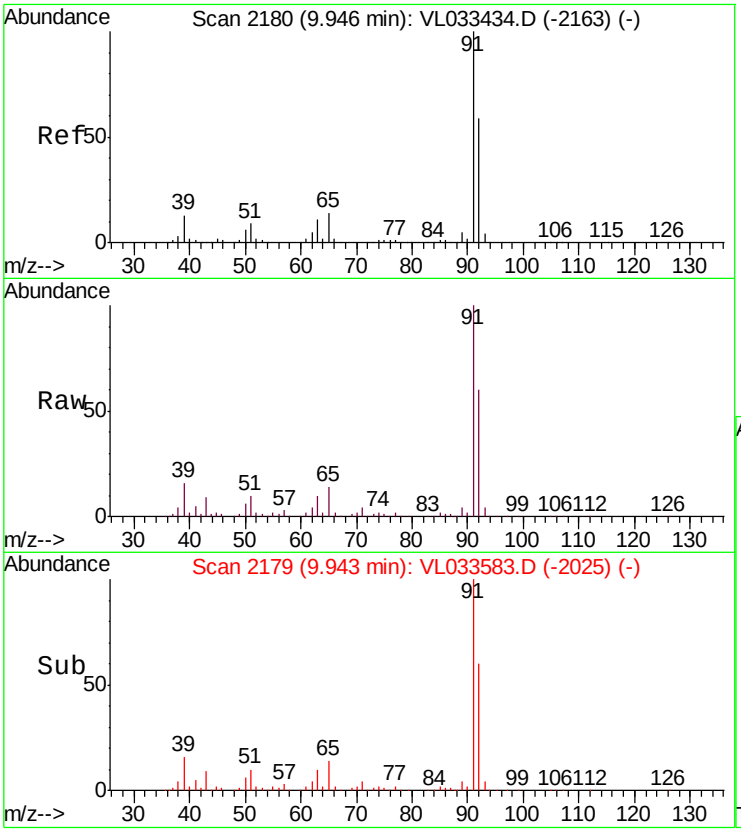


#44
2,2,4-Trimethylpentane
Concen: 0.038 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion: 57 Resp: 9954

Ion	Ratio	Lower	Upper
57	100		
41	79.5	26.0	39.0#
56	61.1	24.6	37.0#



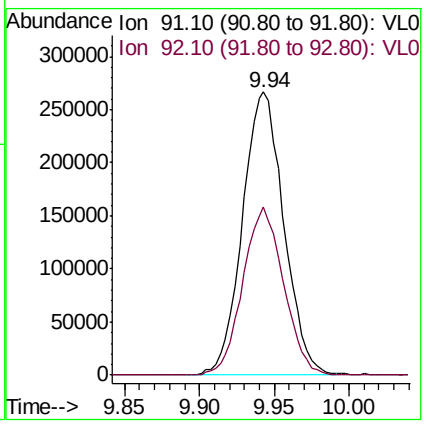


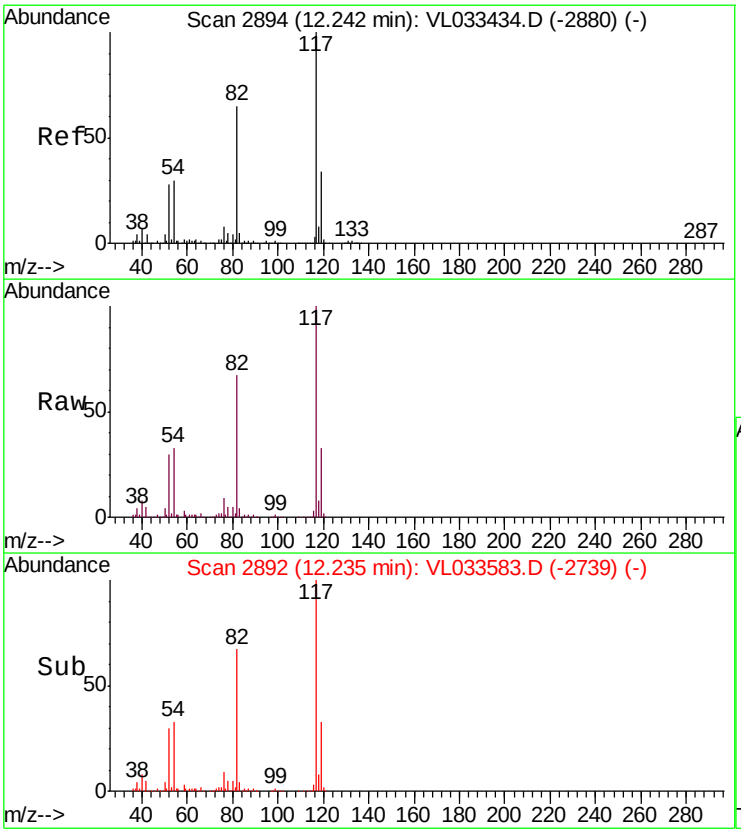
#53
Toluene
Concen: 2.976 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument : MSVOA_L
ClientSampleId : A-10

Tgt Ion: 91 Resp: 512380

Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.4	71.0

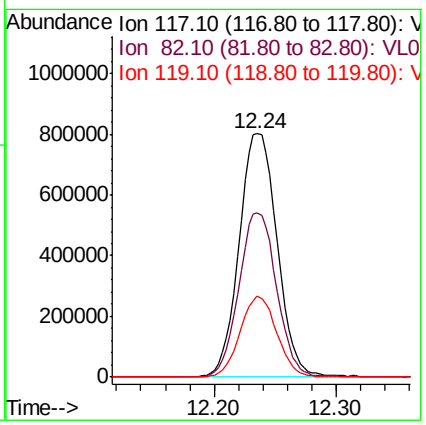


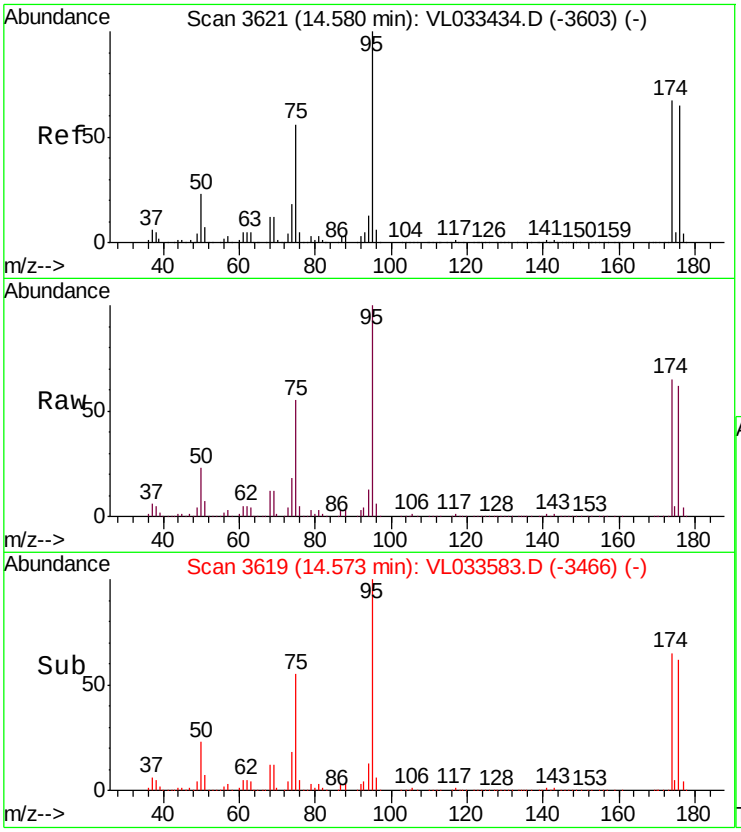


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Tgt Ion:117 Resp: 1720071

Ion	Ratio	Lower	Upper
117	100		
82	67.7	51.5	77.3
119	32.3	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.248 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033583.D
Acq: 11 Apr 2019 3:37

Instrument :
MSVOA_L
ClientSampleId :
A-10

Tgt Ion: 95 Resp: 1381862

Ion	Ratio	Lower	Upper
95	100		
174	66.9	52.9	79.3
175	4.9	3.8	5.6