Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033006.D
Acq On : 17 Dec 2018 21:52
Operator : SY/AP
Sample : J6382-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 18 01:16:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1093329	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2601196	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2852835	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2006296	9.52	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	90338	0.619	ppbv		99
3) Chlorodifluoromethane	2.99	51	1338065	16.160	ppbv	#	57
4) Chloromethane	3.17	50	32694	0.678	ppbv		93
9) Propene	3.24	41	460168	14.055	ppbv		95
11) Trichlorofluoromethane	4.01	101	39298	0.286	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	6919	0.059	ppbv		86
13) Ethanol	3.66	45	4583325	406.577	ppbv		96
15) Acetone	3.91	43	496153	5.287	ppbv		99
16) 1,3-Butadiene	3.35	39	5412	0.145	ppbv	#	4
17) tert-Butyl alcohol	4.37	59	1841	0.077	ppbv	#	1
19) Isopropyl Alcohol	4.04	45	493944	8.381	ppbv		99
20) Methylene Chloride	4.42	84	139678	3.045	ppbv		98
23) Vinyl Acetate	5.15	43	49913	0.314	ppbv	#	1
25) Ethyl Acetate	5.78	43	238164	1.074	ppbv	#	95
26) Hexane	5.79	57	180190	1.761	ppbv	#	68
27) Carbon Disulfide	4.62	76	4432	0.035	ppbv	#	1
29) Chloroform	5.85	83	14392	0.079	ppbv		89
31) cis-1,2-Dichloroethene	5.78	61	14453	0.154	ppbv	#	32
34) 2-Butanone	5.34	43	46563	0.411	ppbv		95
36) Benzene	7.01	78	71706	0.375	ppbv		98
37) 1,2-Dichloroethane	6.43	62	4404	0.034	ppbv	#	15
38) Trichloroethene	7.97	130	2972	0.037	ppbv	#	61
39) 1,2-Dichloropropane	7.30	63	619677	8.540	ppbv	#	21
53) Toluene	9.95	91	1495466	7.370	ppbv		100
59) m/p-Xylene	13.16	91	9464	0.034	ppbv	#	100
60) o-Xylene	13.86	91	9300	0.033	ppbv	#	32
74) 1,2,4-Trimethylbenzene	16.93	105	22094	0.064	ppbv	#	63

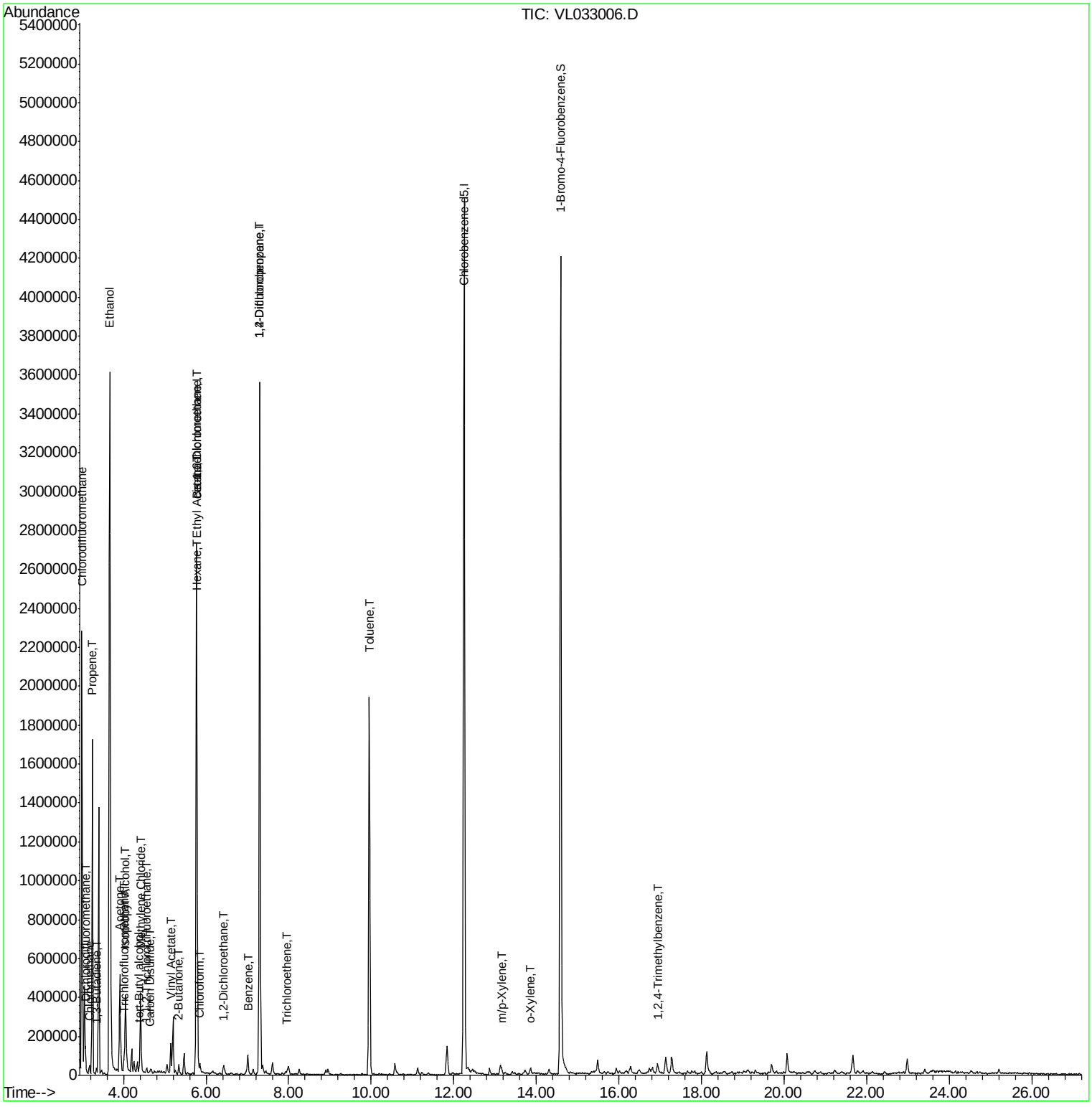
(#) = qualifier out of range (m) = manual integration (+) = signals summed

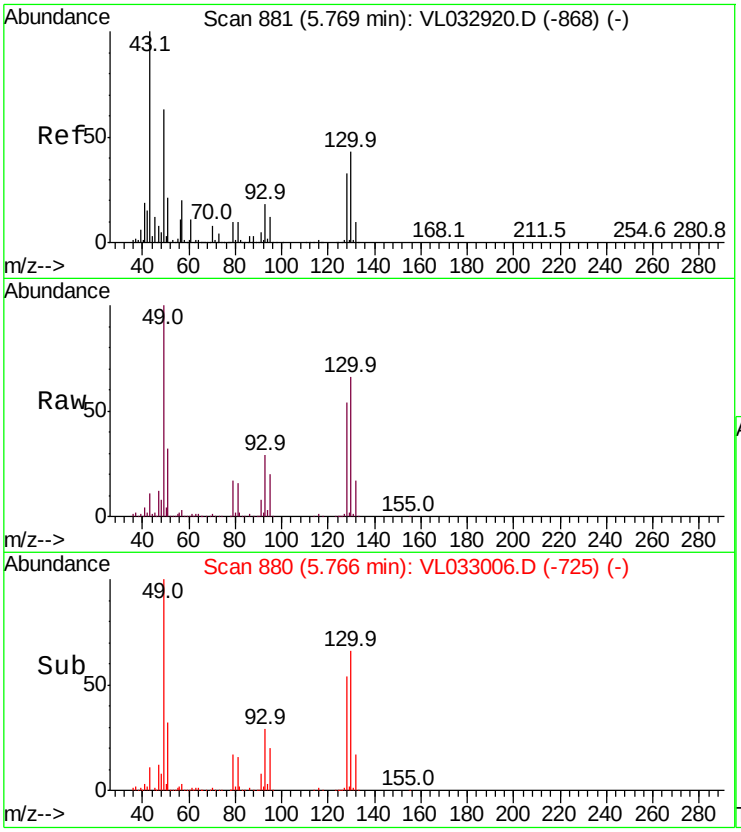
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033006.D
Acq On : 17 Dec 2018 21:52
Operator : SY/AP
Sample : J6382-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 01:16:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

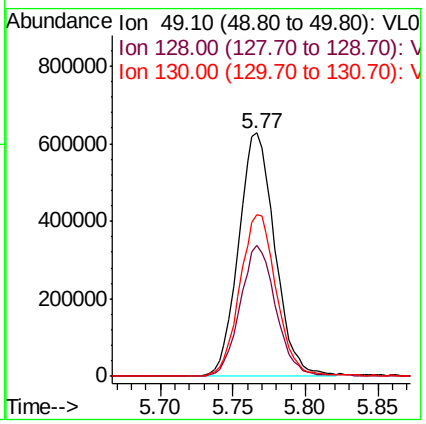




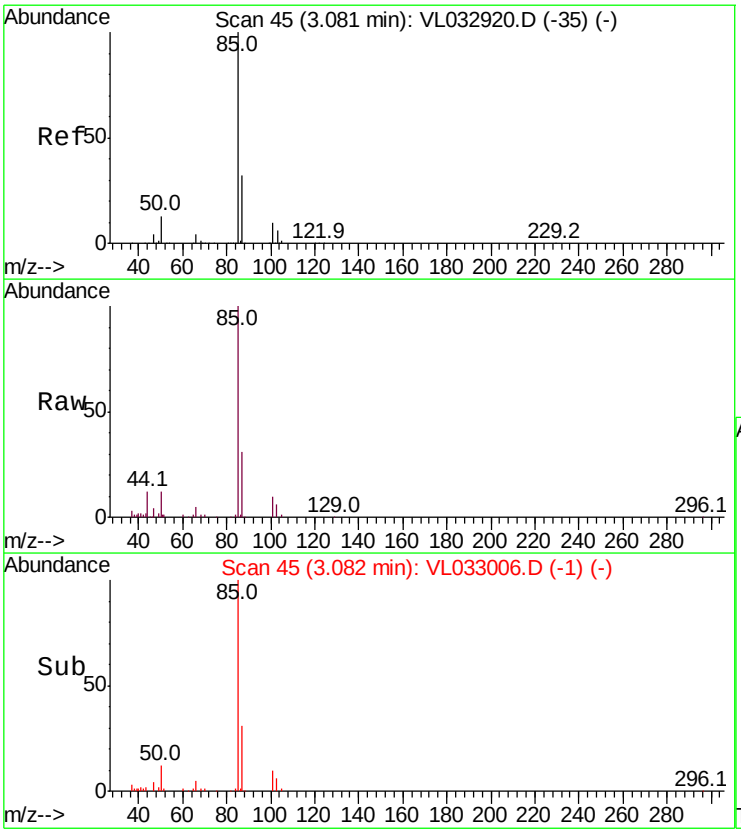
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 49 Resp: 1093329

Ion	Ratio	Lower	Upper
49	100		
128	53.4	26.3	78.8
130	68.0	33.9	101.7



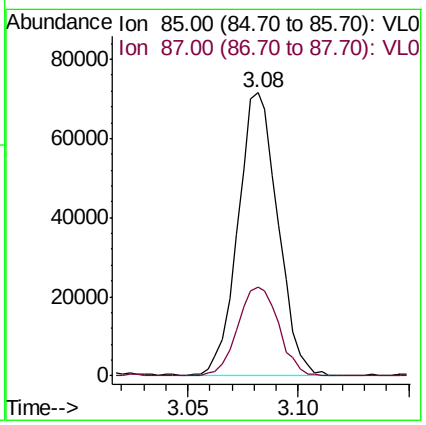
Instrument :
MSVOA_L
ClientSampleId :

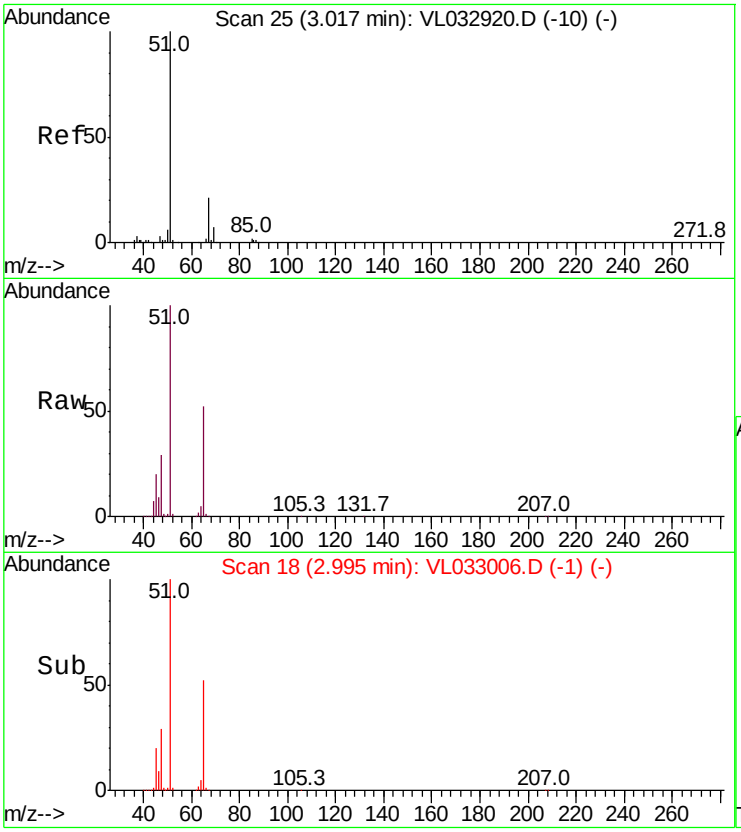


#2
Dichlorodifluoromethane
Concen: 0.619 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 85 Resp: 90338

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.7	38.5

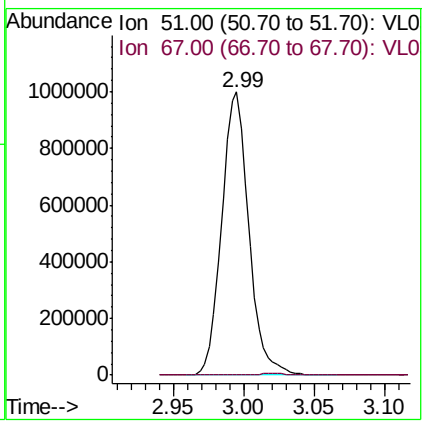




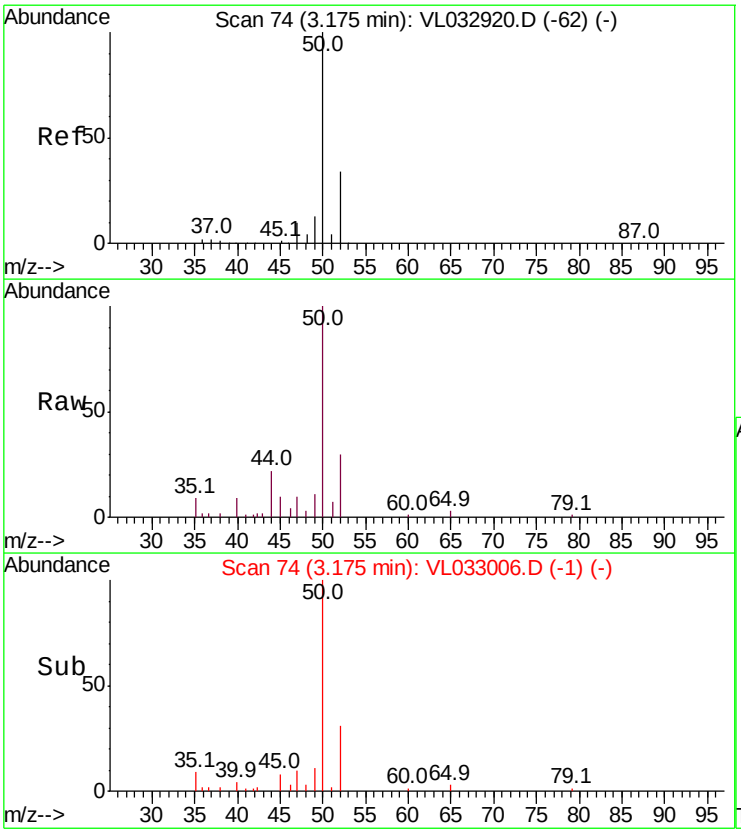
#3
Chlorodifluoromethane
Concen: 16.160 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.02 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 51 Resp: 1338065

Ion	Ratio	Lower	Upper
51	100		
67	0.7	16.8	25.2#



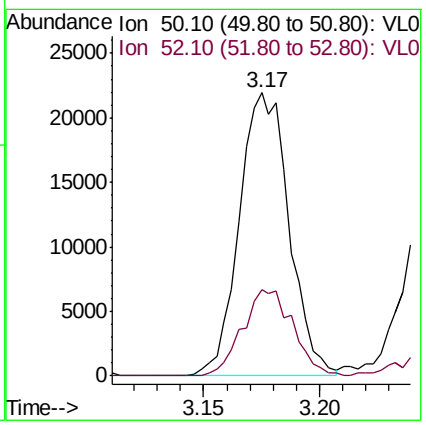
Instrument :
MSVOA_L
ClientSampleId :

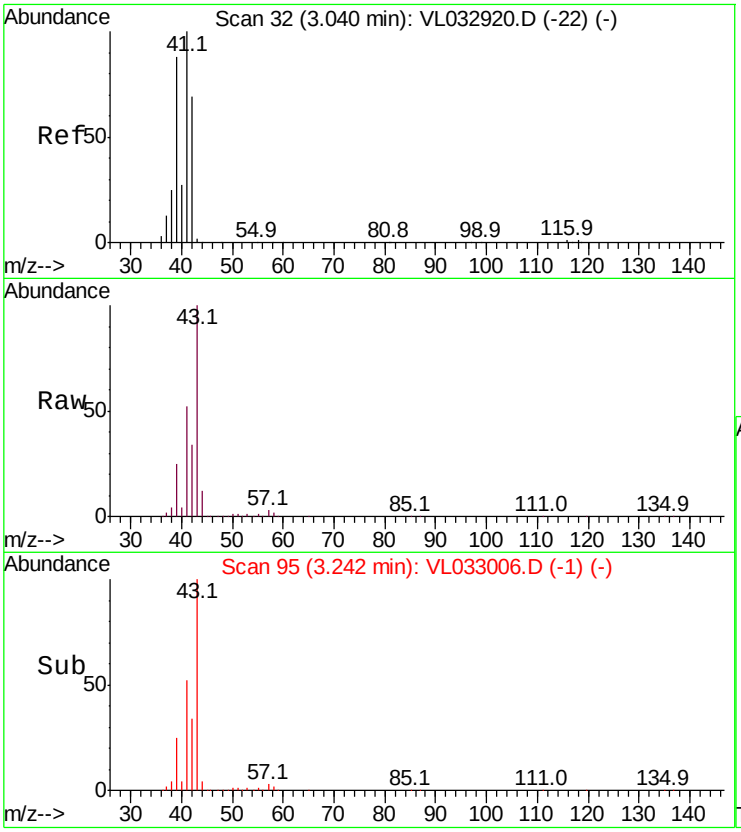


#4
Chloromethane
Concen: 0.678 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 50 Resp: 32694

Ion	Ratio	Lower	Upper
50	100		
52	30.4	27.3	40.9

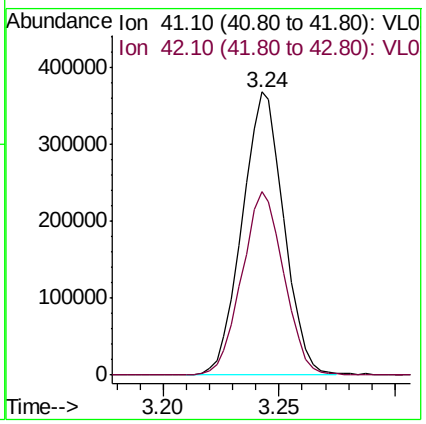




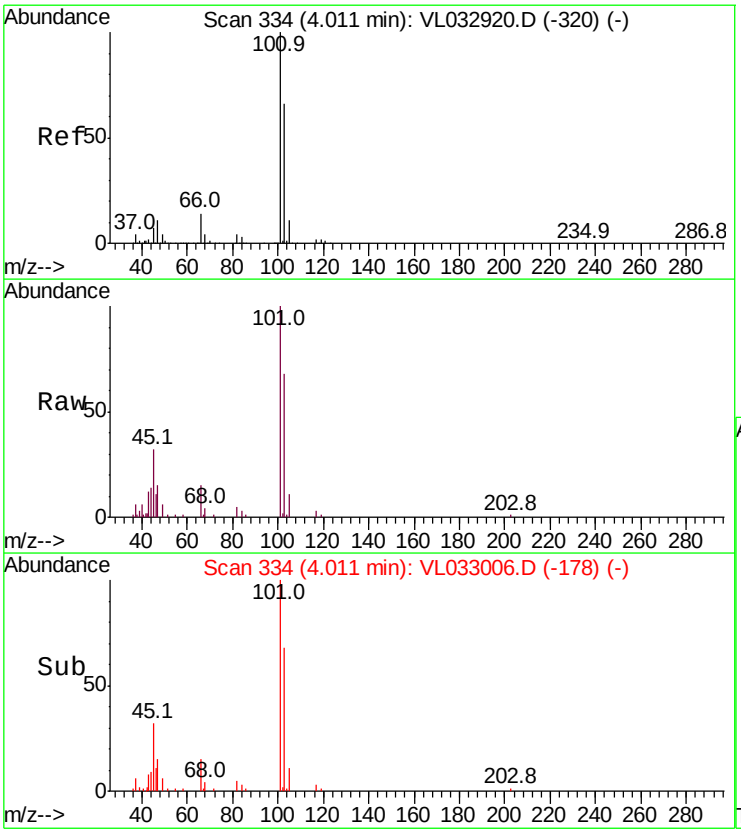
#9
Propene
Concen: 14.055 ppbv
RT: 3.24 min Scan# 95
Delta R.T. 0.20 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 41 Resp: 460168

Ion	Ratio	Lower	Upper
41	100		
42	65.8	56.2	84.2



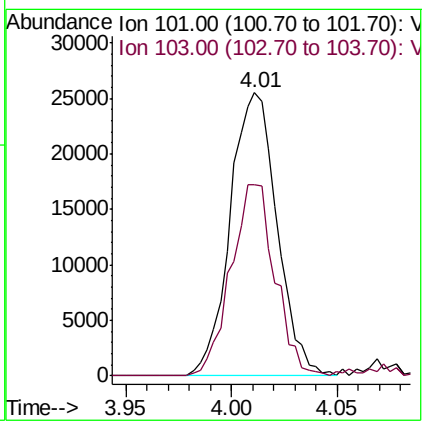
Instrument :
MSVOA_L
ClientSampleId :

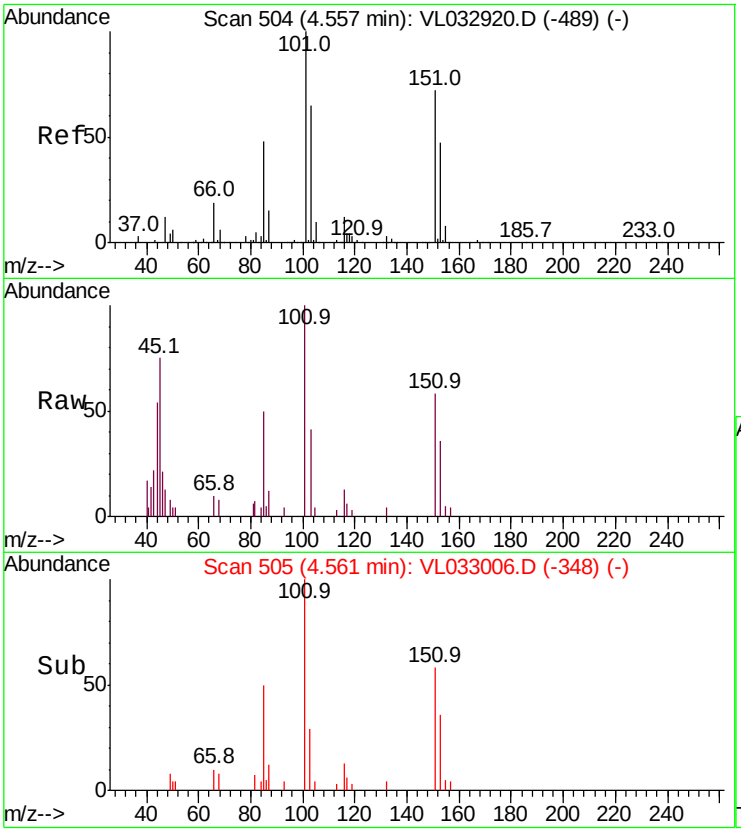


#11
Trichlorofluoromethane
Concen: 0.286 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion:101 Resp: 39298

Ion	Ratio	Lower	Upper
101	100		
103	67.7	52.7	79.1



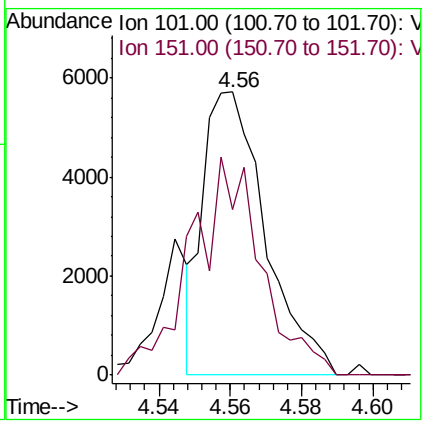


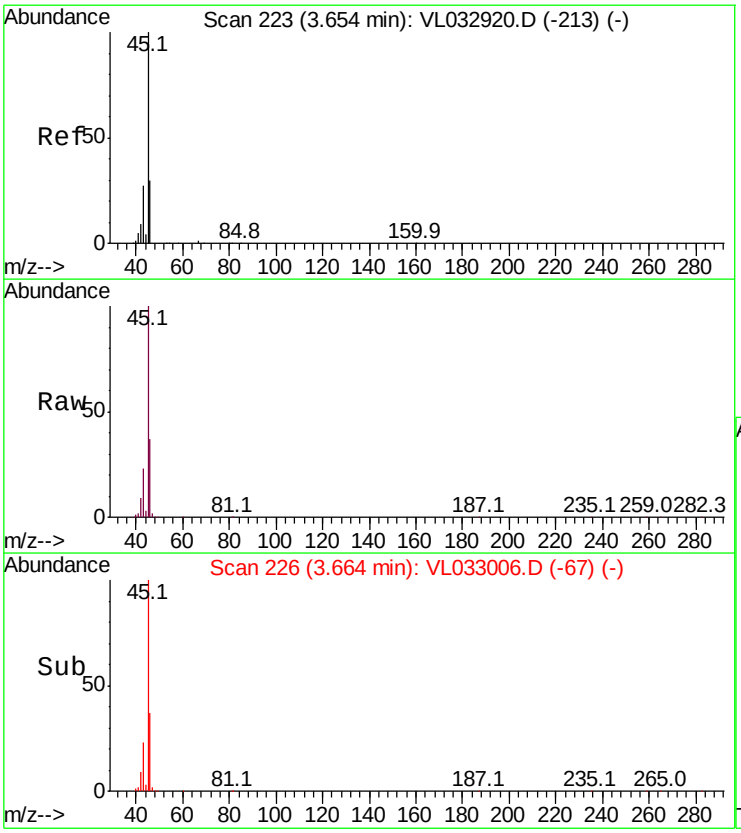
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 4.56 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 6919

Ion	Ratio	Lower	Upper
101	100		
151	86.3	59.3	88.9

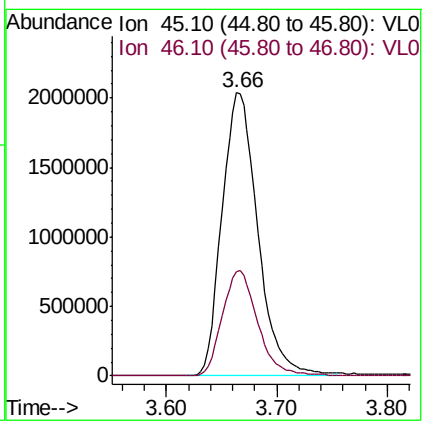


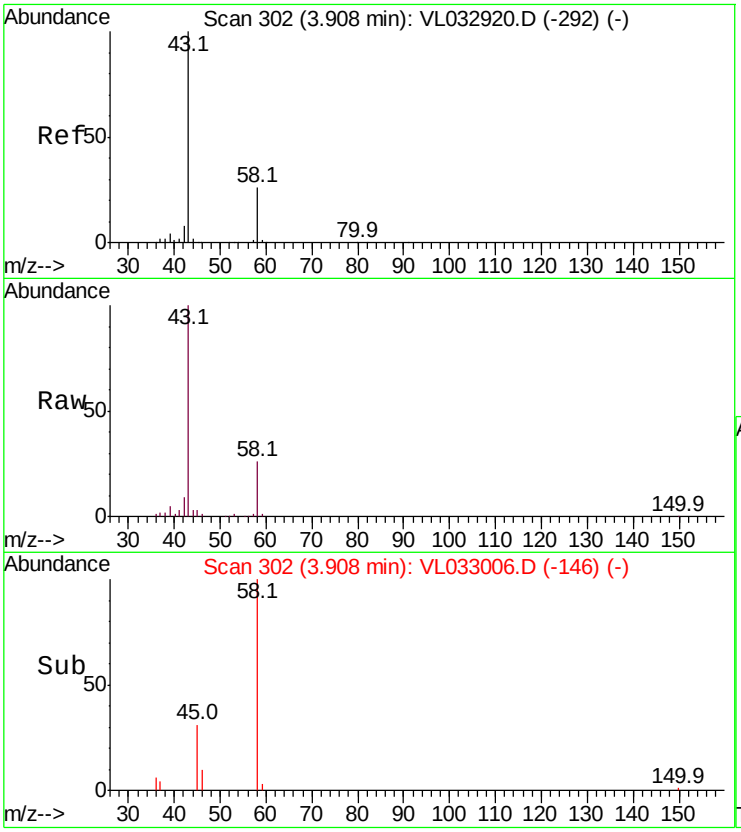


#13
Ethanol
Concen: 406.577 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 45 Resp: 4583325

Ion	Ratio	Lower	Upper
45	100		
46	37.0	13.8	55.4



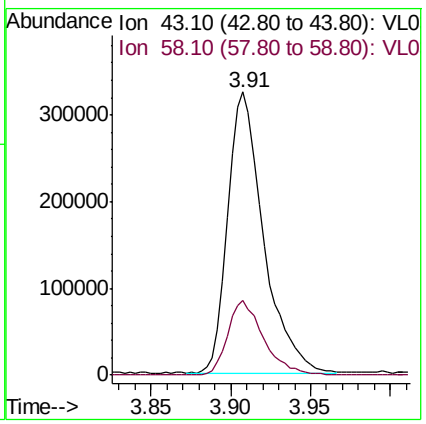


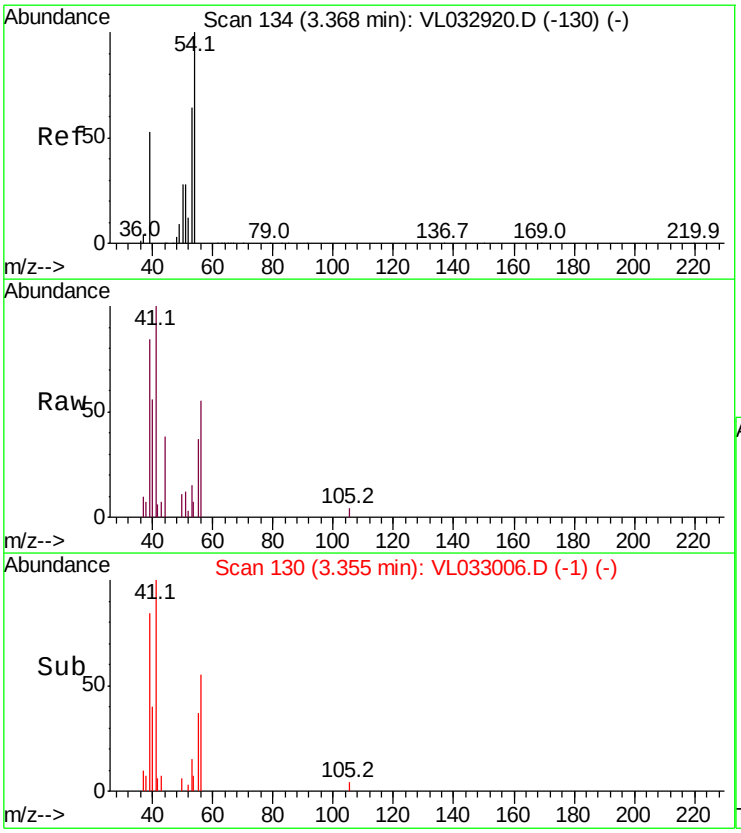
#15
Acetone
Concen: 5.287 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 496153

Ion	Ratio	Lower	Upper
43	100		
58	26.5	20.6	30.8

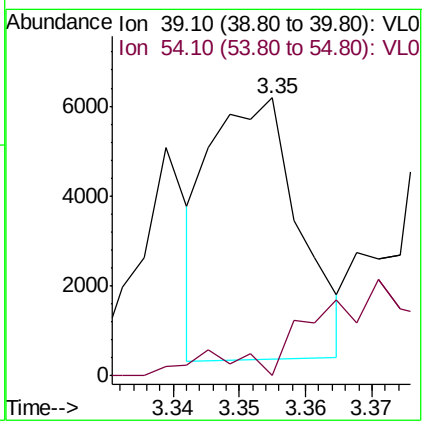


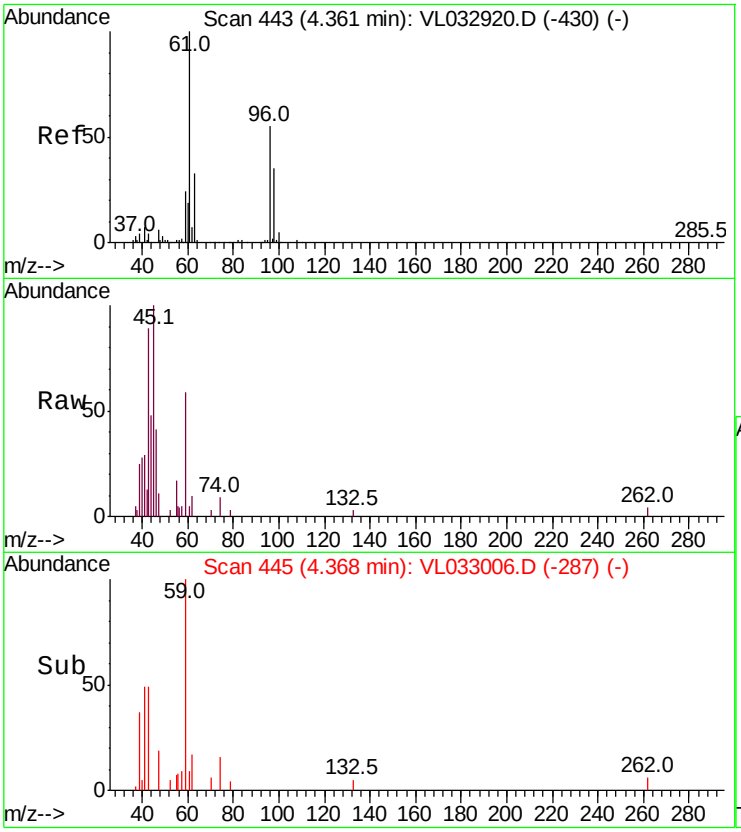


#16
1,3-Butadiene
Concen: 0.145 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 39 Resp: 5412

Ion	Ratio	Lower	Upper
39	100		
54	0.0	72.7	109.1#



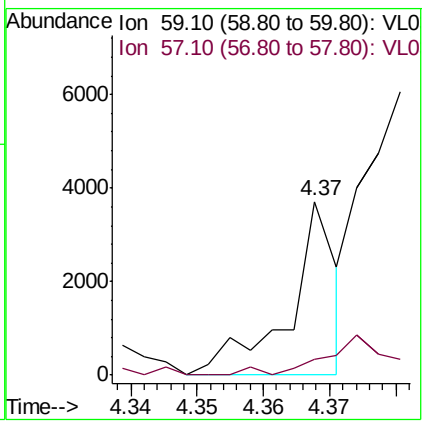


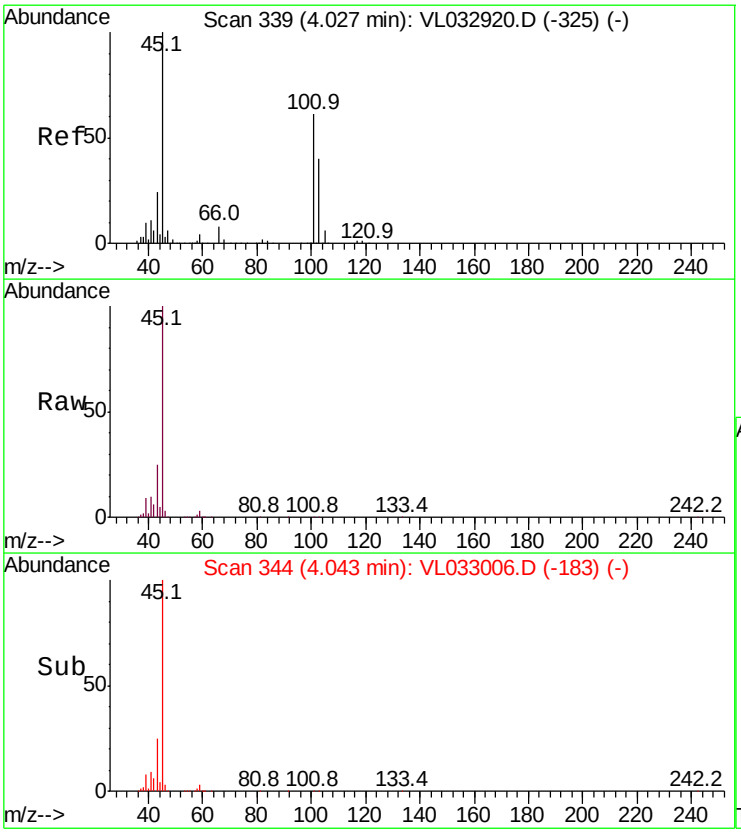
#17
tert-Butyl alcohol
Concen: 0.077 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1841

Ion	Ratio	Lower	Upper
59	100		
57	80.7	0.6	1.0#

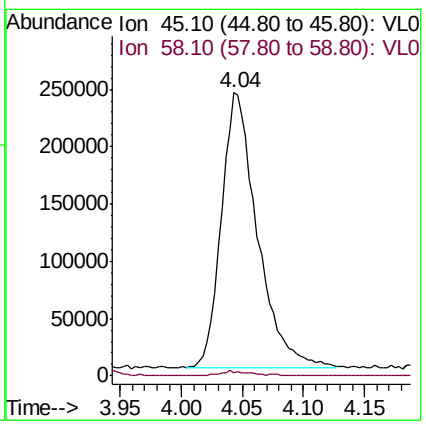


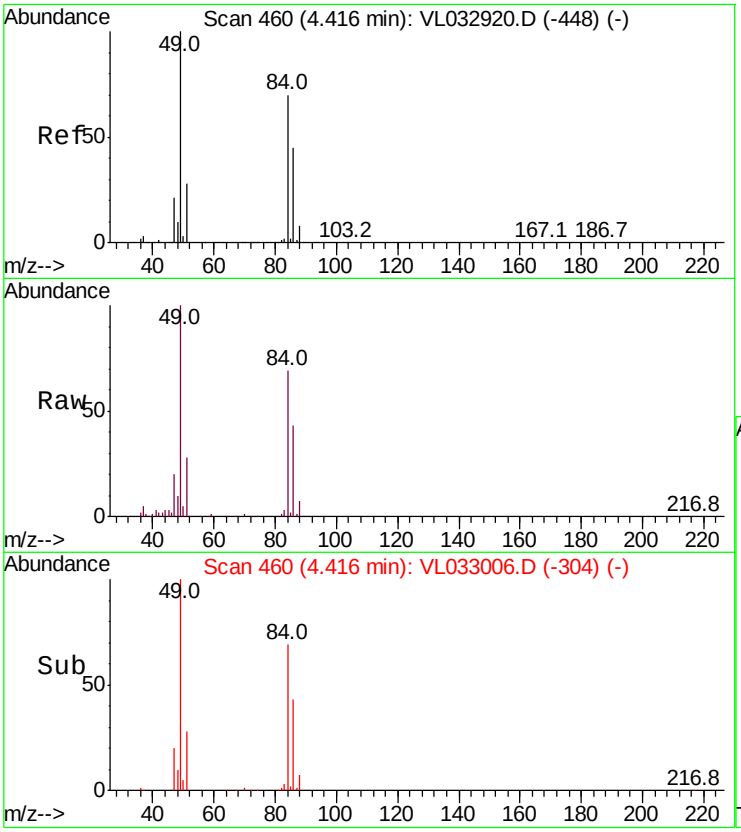


#19
Isopropyl Alcohol
Concen: 8.381 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 45 Resp: 493944

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.4	2.2



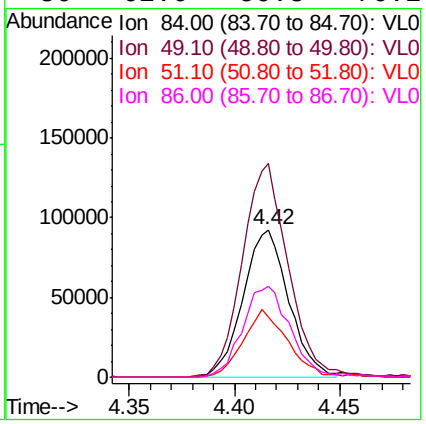


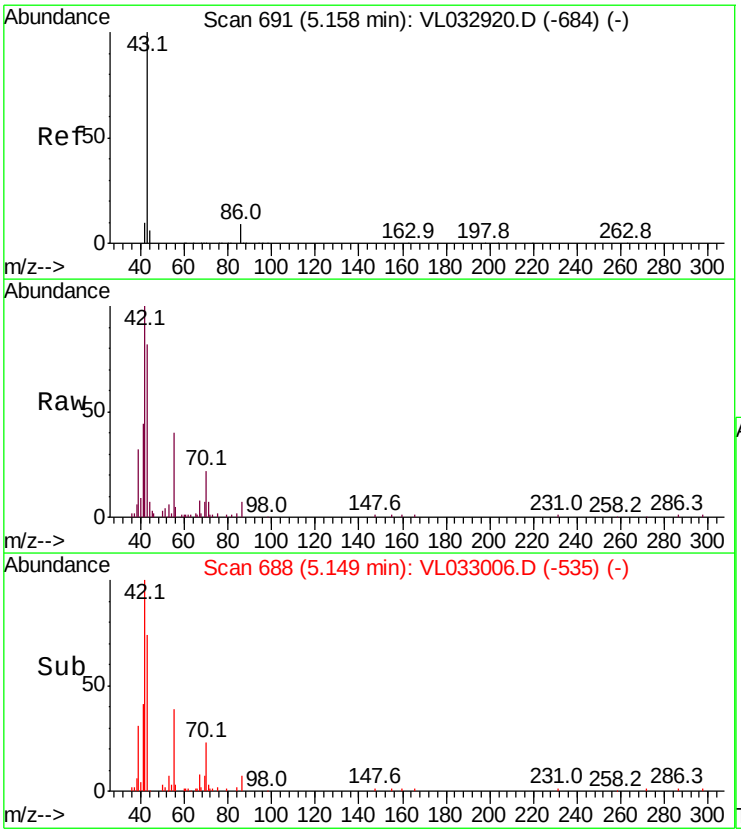
#20
Methylene Chloride
Concen: 3.045 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 139678

Ion	Ratio	Lower	Upper
84	100		
49	144.7	113.8	170.8
51	40.3	31.8	47.8
86	62.0	50.8	76.2

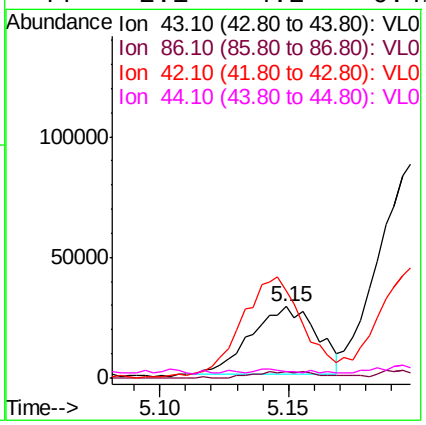


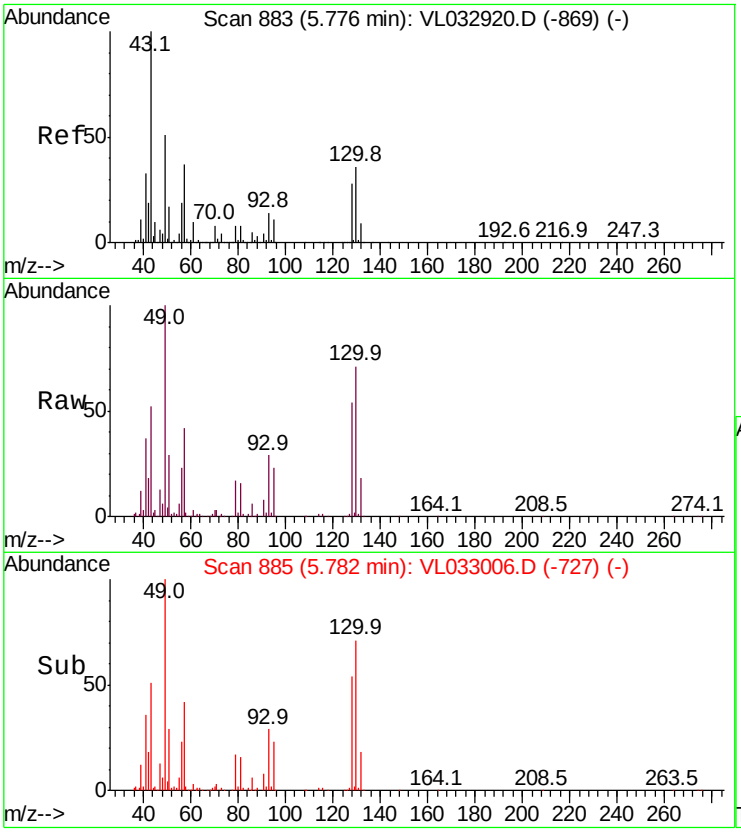


#23
Vinyl Acetate
Concen: 0.314 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 43 Resp: 49913

Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.6	9.8
42	126.3	8.3	12.5#
44	2.1	4.2	6.4#



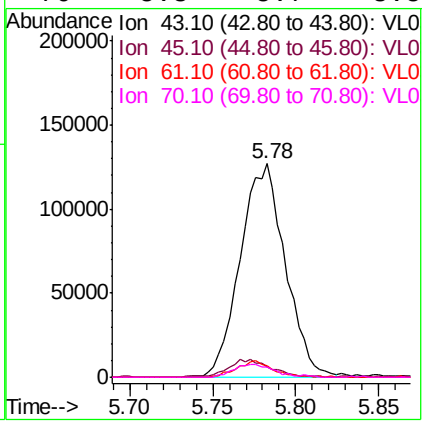


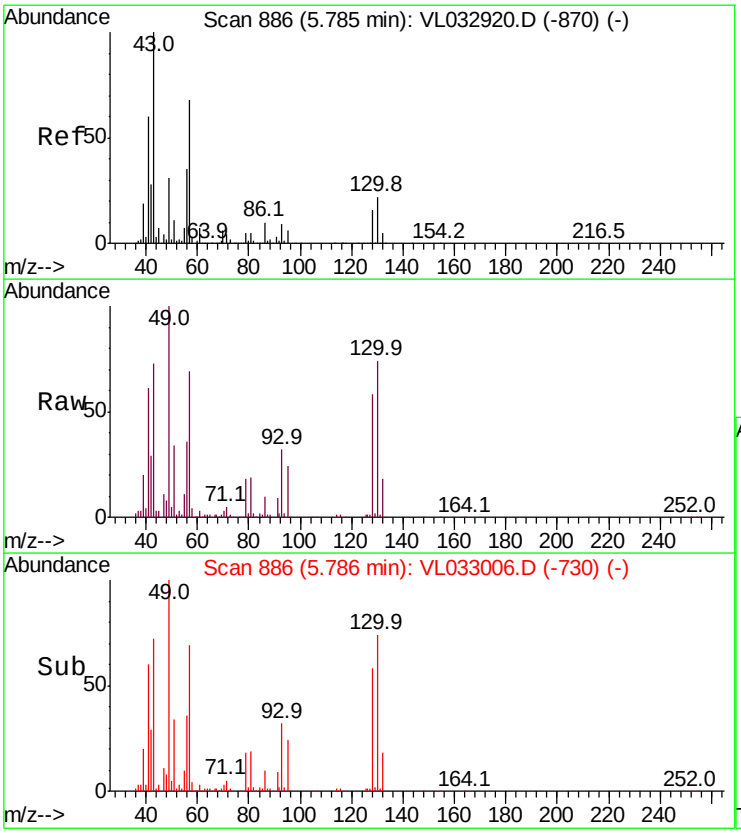
#25
Ethyl Acetate
Concen: 1.074 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 238164

Ion	Ratio	Lower	Upper
43	100		
45	8.3	7.8	11.6
61	6.4	7.4	11.2#
70	5.8	5.7	8.5

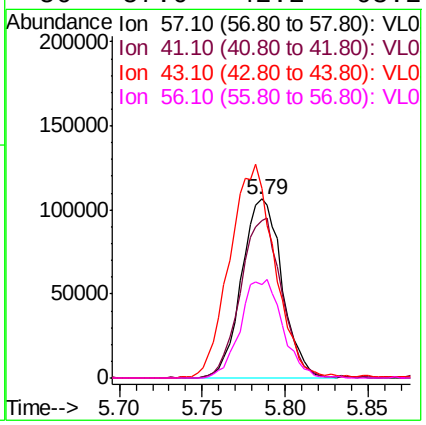


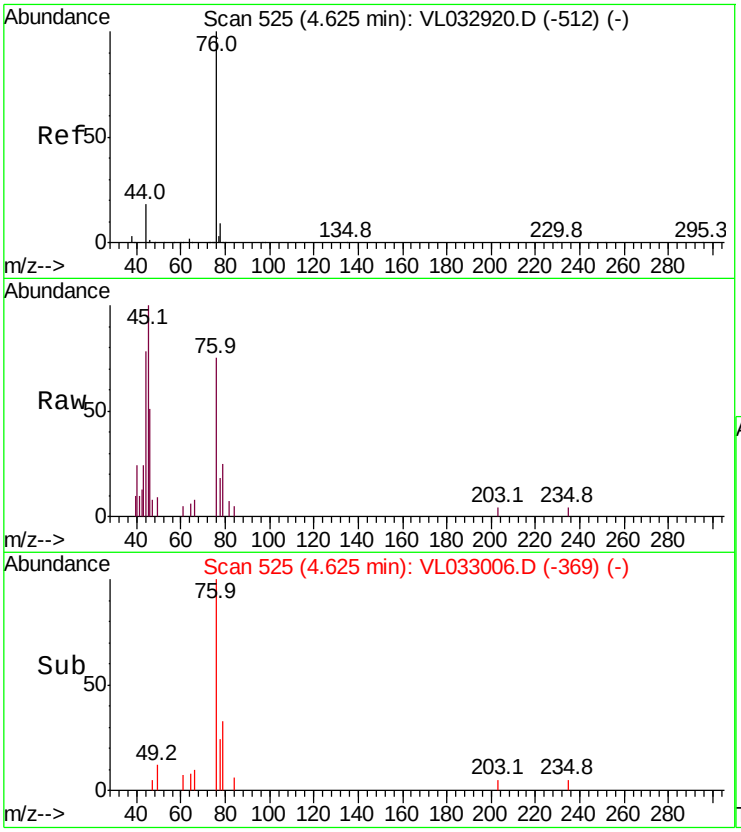


#26
Hexane
Concen: 1.761 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 57 Resp: 180190

Ion	Ratio	Lower	Upper
57	100		
41	92.2	72.2	108.2
43	133.9	171.9	257.9#
56	57.0	42.2	63.2



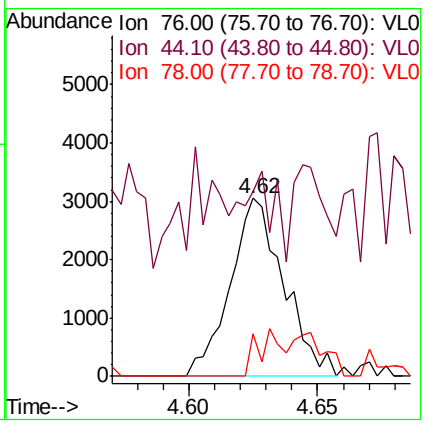


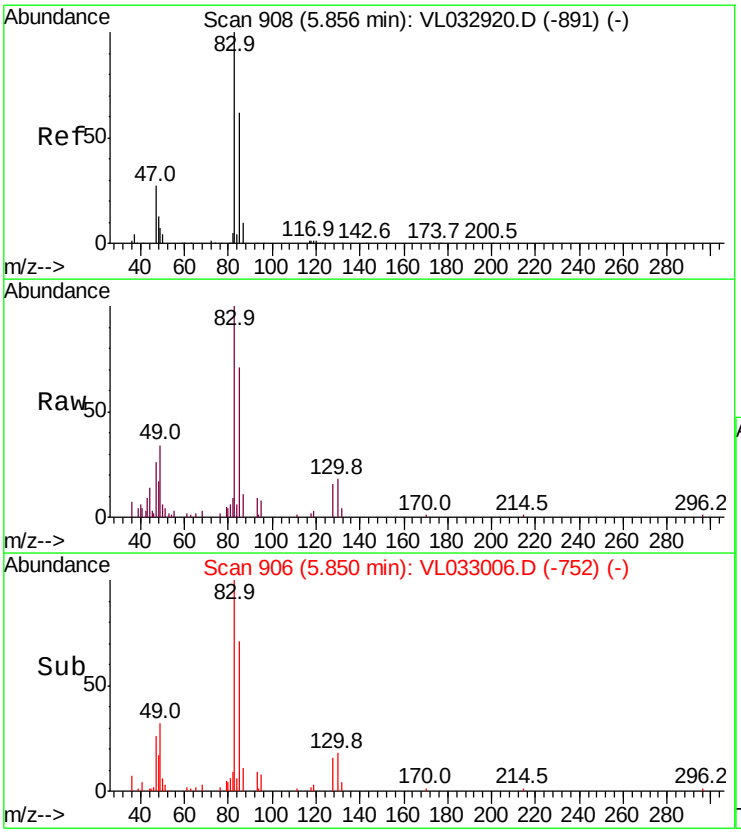
#27
Carbon Disulfide
Concen: 0.035 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 4432

Ion	Ratio	Lower	Upper
76	100		
44	104.3	14.7	22.1#
78	31.1	7.4	11.2#

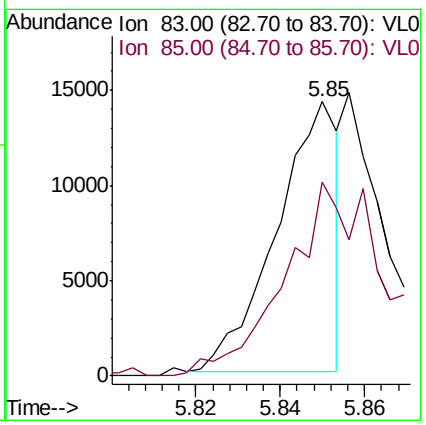


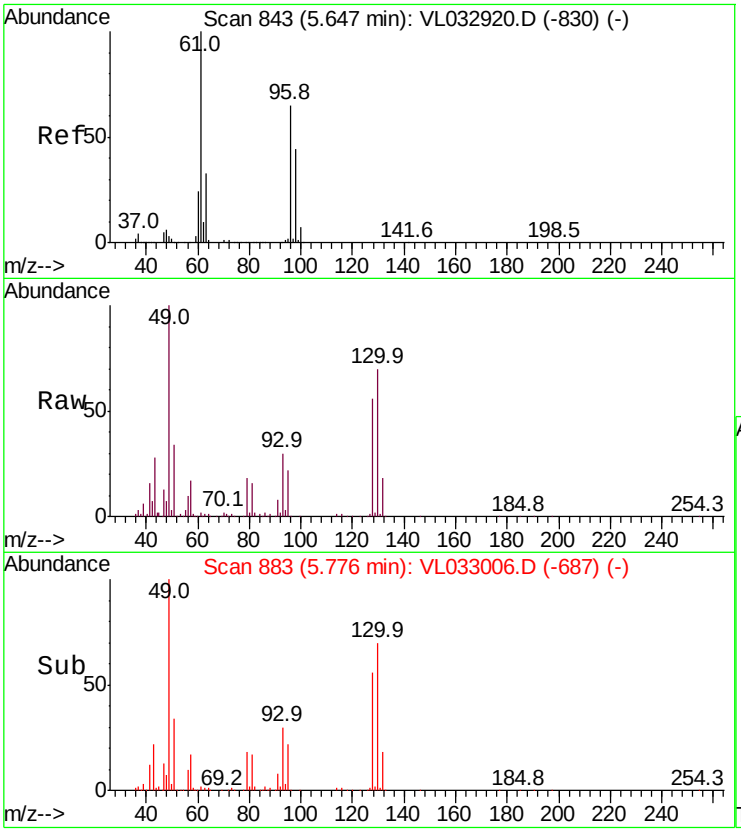


#29
Chloroform
Concen: 0.079 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 83 Resp: 14392

Ion	Ratio	Lower	Upper
83	100		
85	70.5	49.8	74.8



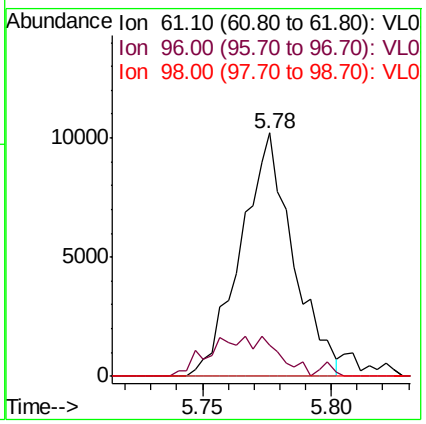


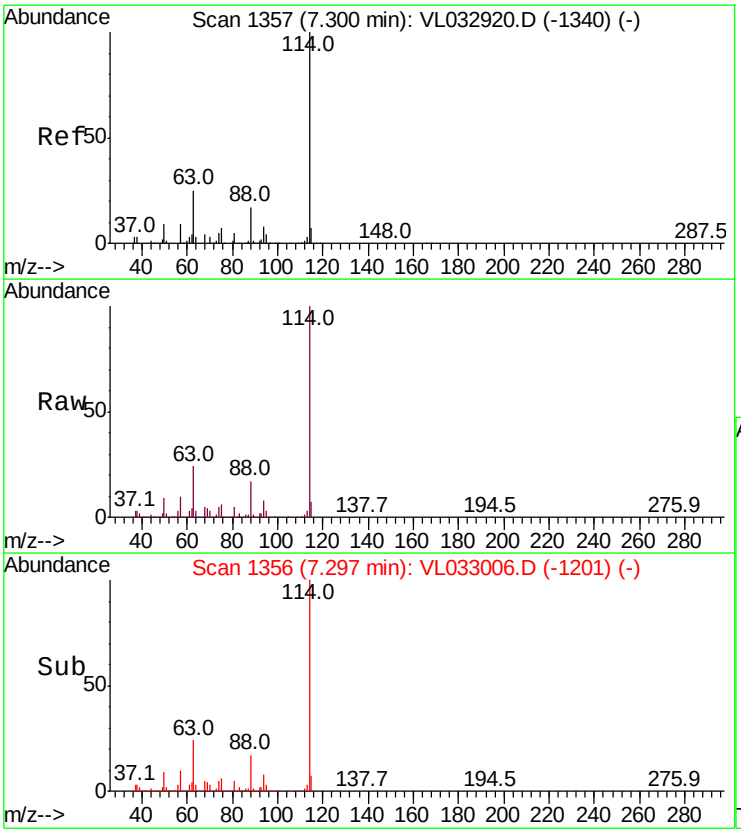
#31
cis-1,2-Dichloroethene
Concen: 0.154 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.13 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 14453

Ion	Ratio	Lower	Upper
61	100		
96	10.9	51.9	77.9#
98	0.0	35.0	52.4#

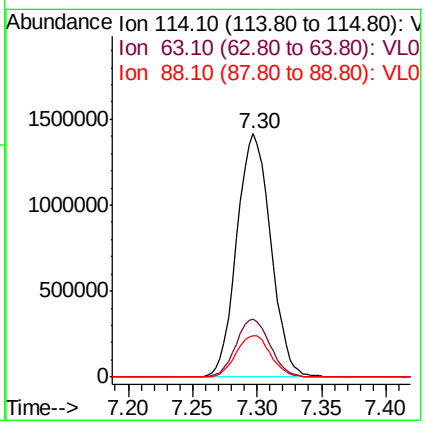


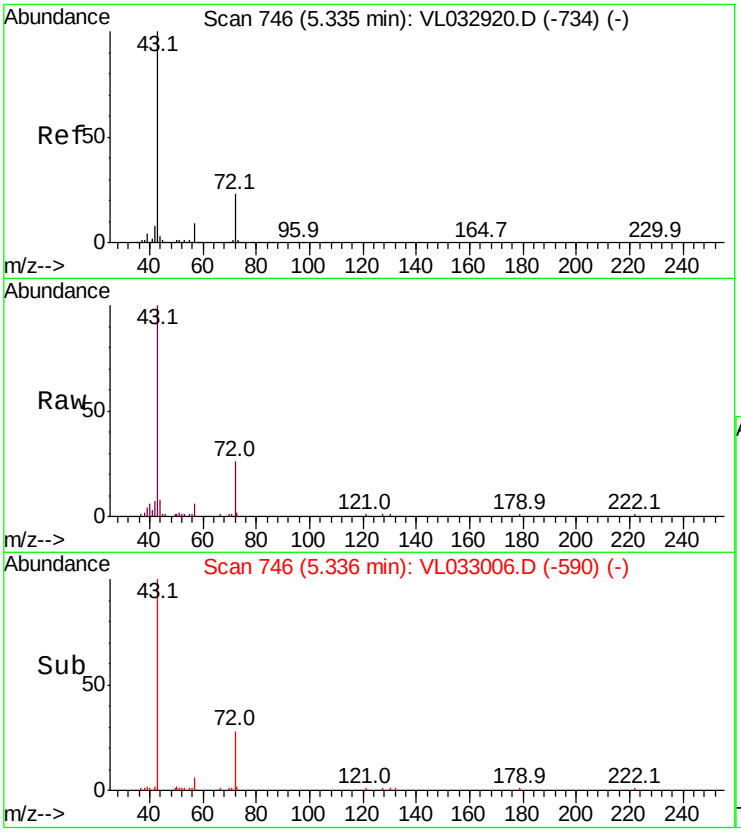


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion:114 Resp: 2601196

Ion	Ratio	Lower	Upper
114	100		
63	24.0	20.1	30.1
88	17.4	14.2	21.4



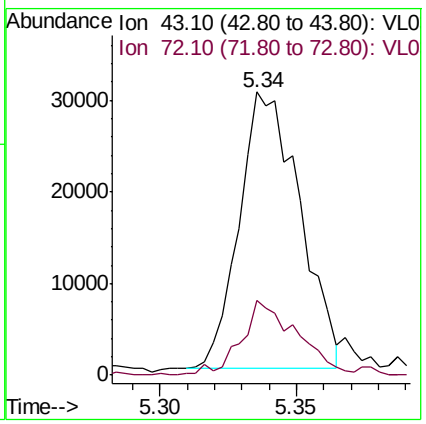


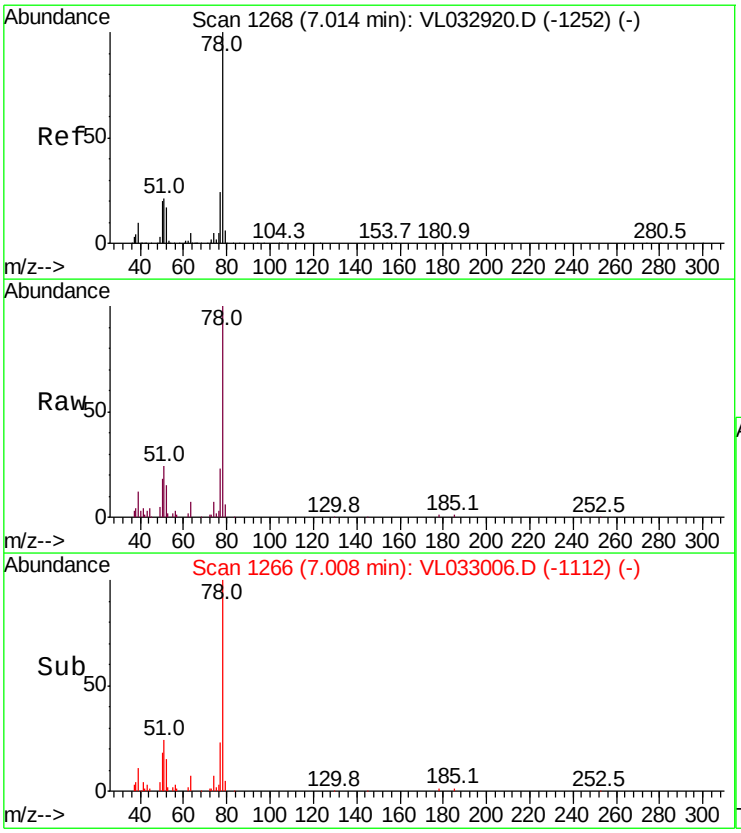
#34
2-Butanone
Concen: 0.411 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 46563

Ion	Ratio	Lower	Upper
43	100		
72	25.9	18.8	28.2

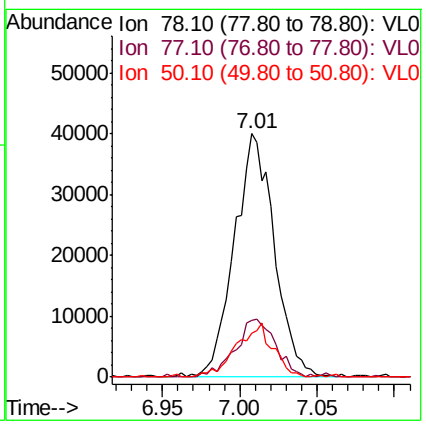


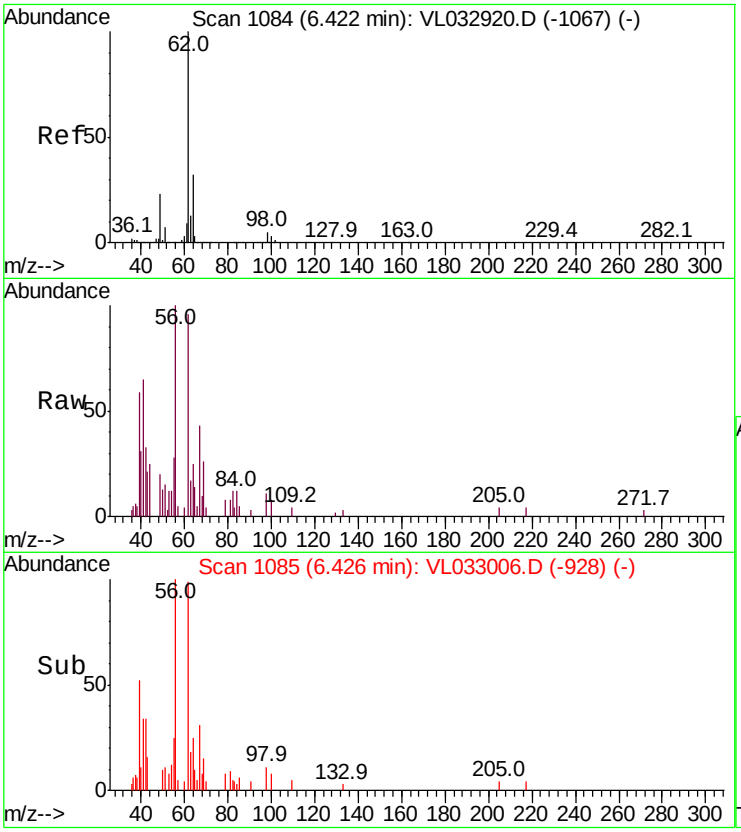


#36
Benzene
Concen: 0.375 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 78 Resp: 71706

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3
50	18.3	16.1	24.1



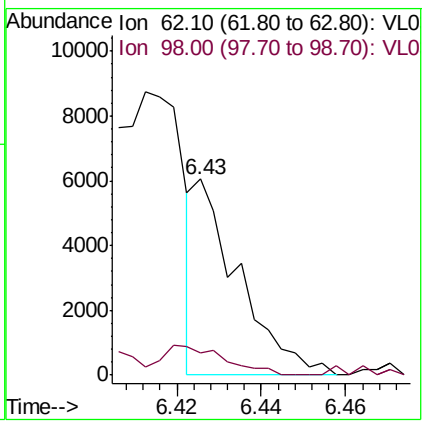


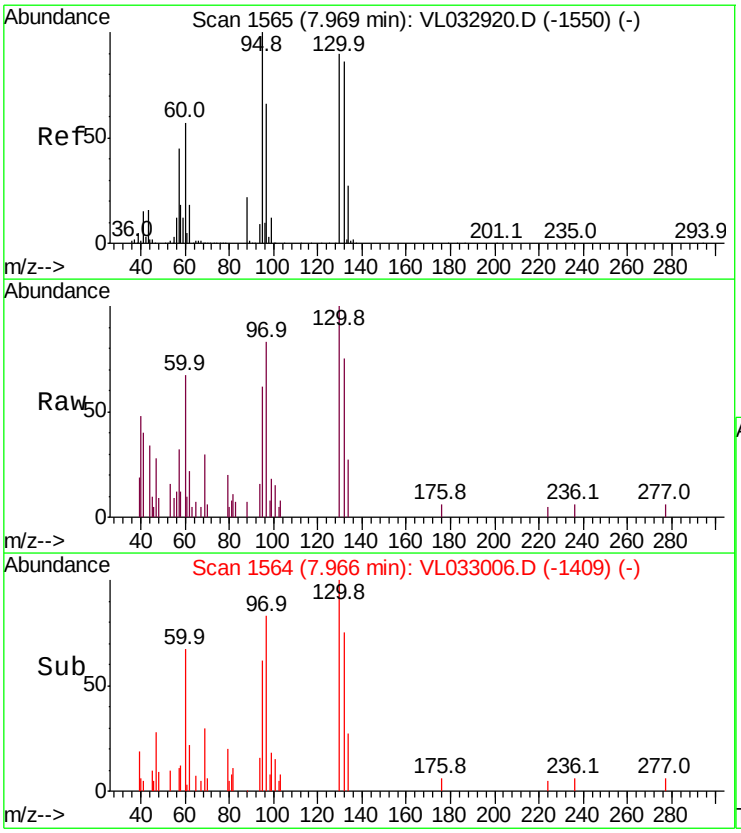
#37
1,2-Dichloroethane
Concen: 0.034 ppbv
RT: 6.43 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 4404

Ion	Ratio	Lower	Upper
62	100		
98	33.7	4.3	6.5#

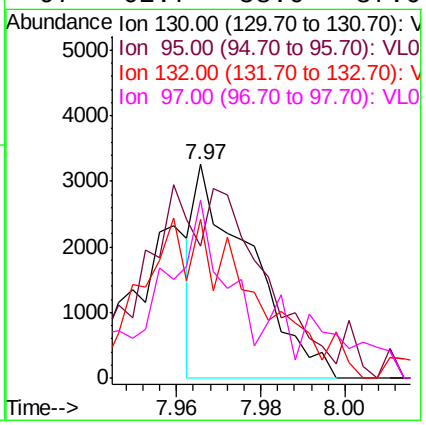


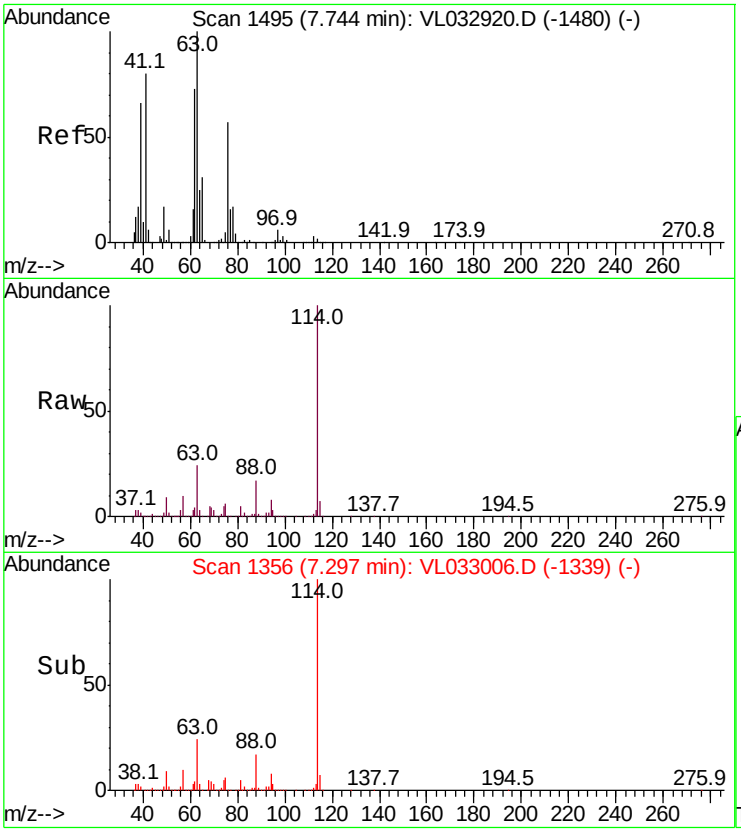


#38
Trichloroethene
Concen: 0.037 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion:130 Resp: 2972

Ion	Ratio	Lower	Upper
130	100		
95	55.1	88.6	132.8#
132	52.9	76.1	114.1#
97	62.7	58.0	87.0



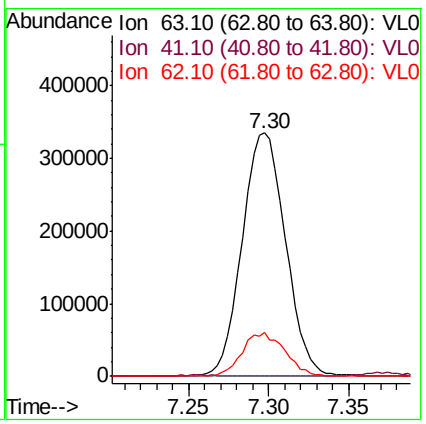


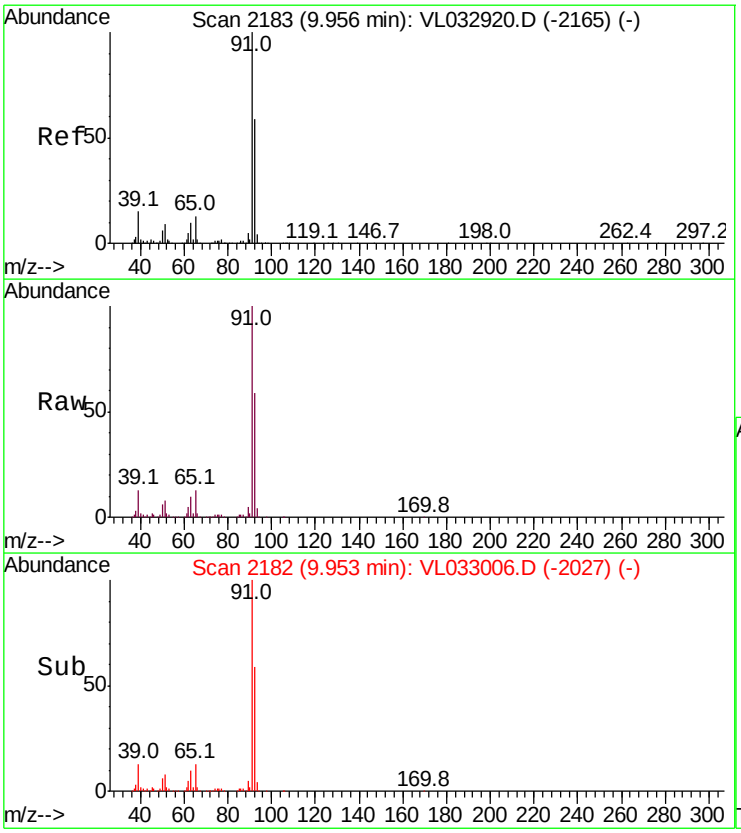
#39
1,2-Dichloropropane
Concen: 8.540 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 619677

Ion	Ratio	Lower	Upper
63	100		
41	0.1	63.9	95.9#
62	18.2	58.8	88.2#

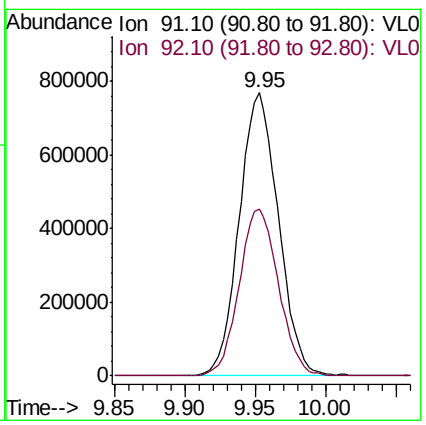


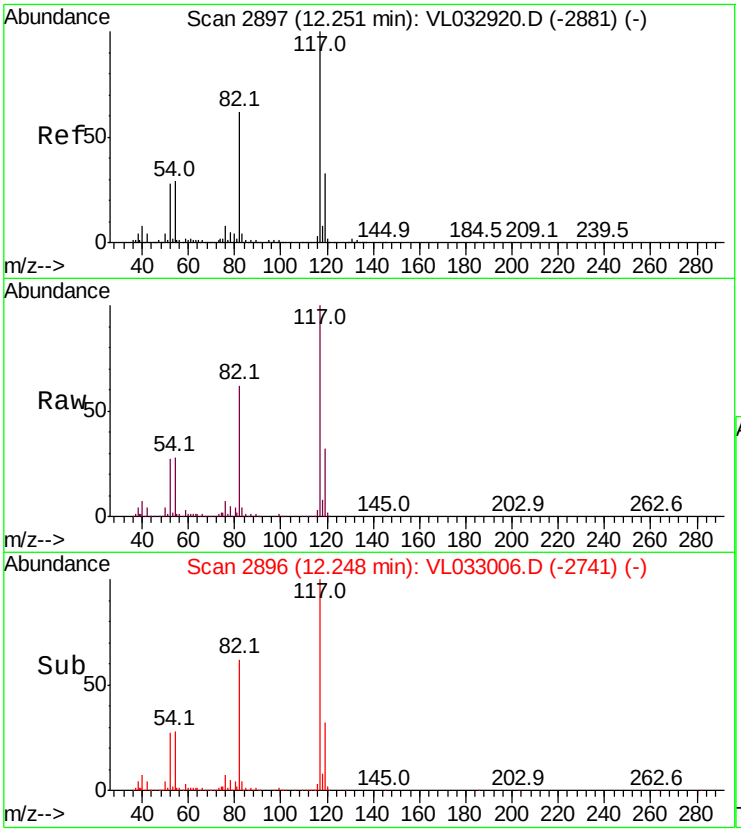


#53
Toluene
Concen: 7.370 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 91 Resp: 1495466

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.4	71.0



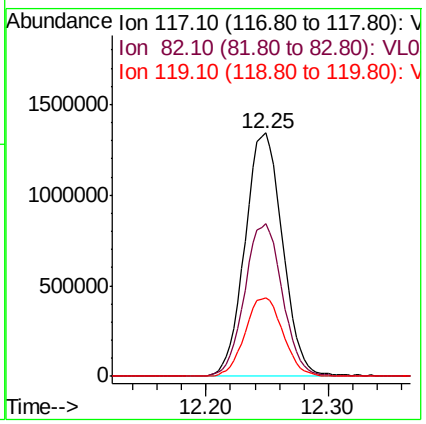


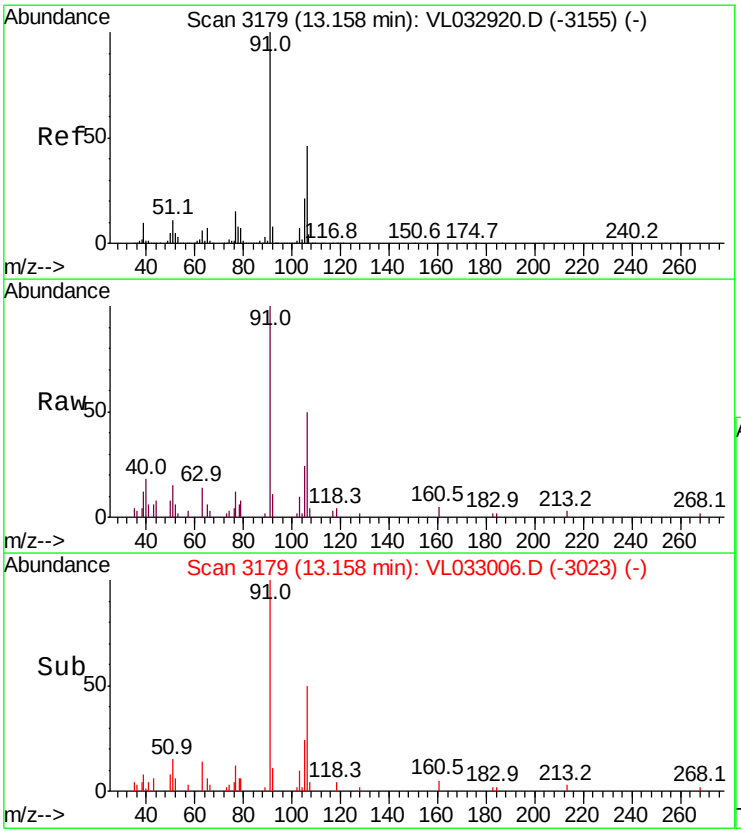
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2852835

Ion	Ratio	Lower	Upper
117	100		
82	63.4	47.8	71.8
119	32.9	43.1	64.7#

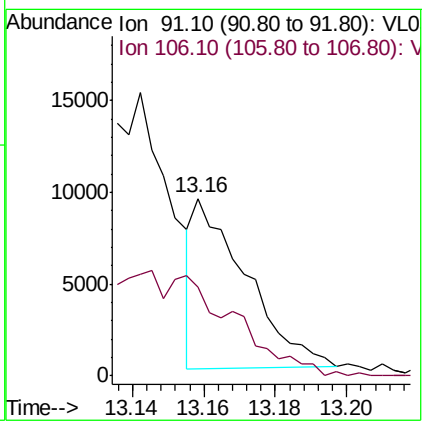


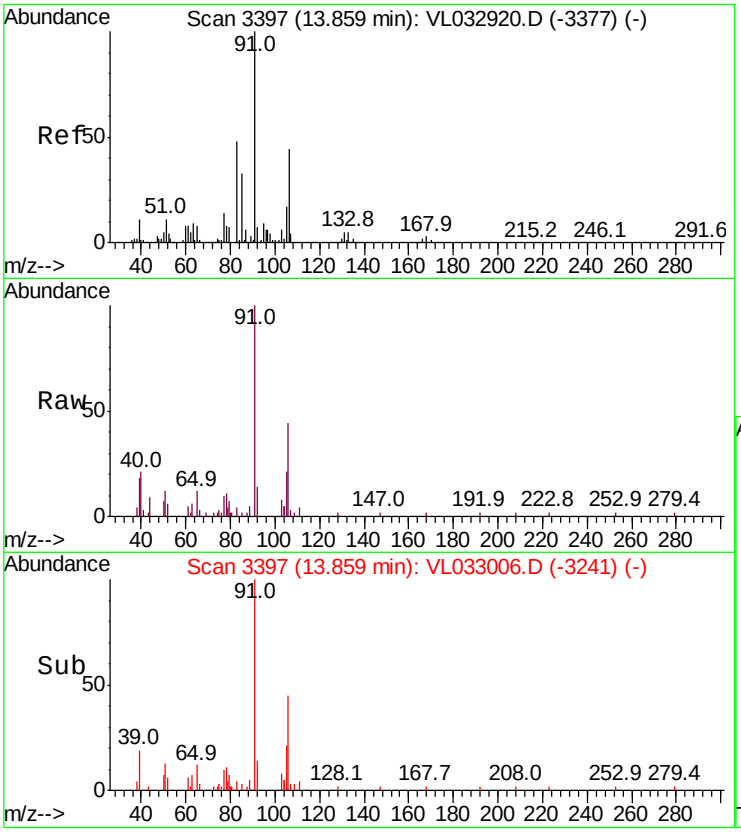


#59
m/p-Xylene
Concen: 0.034 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 91 Resp: 9464

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



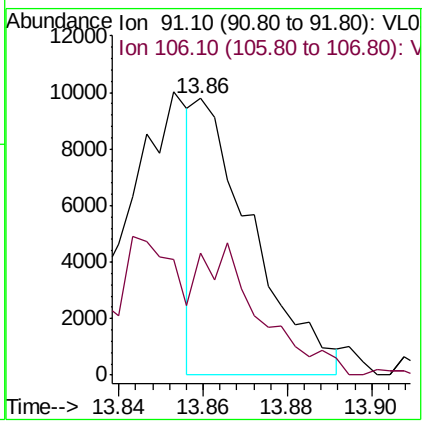


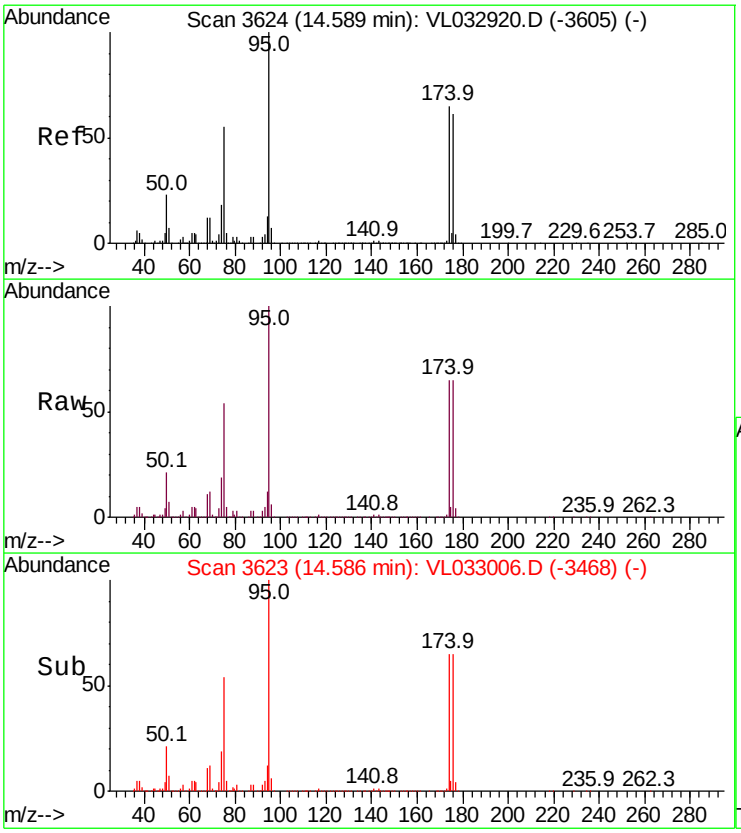
#60
o-Xylene
Concen: 0.033 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 9300

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.8#

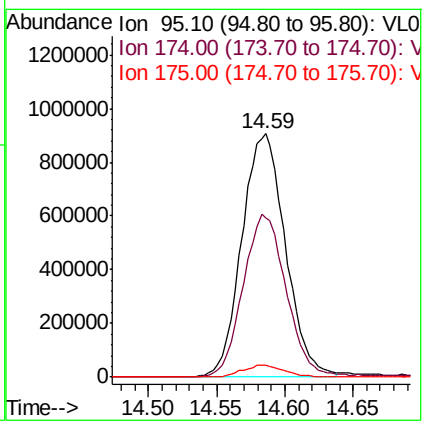


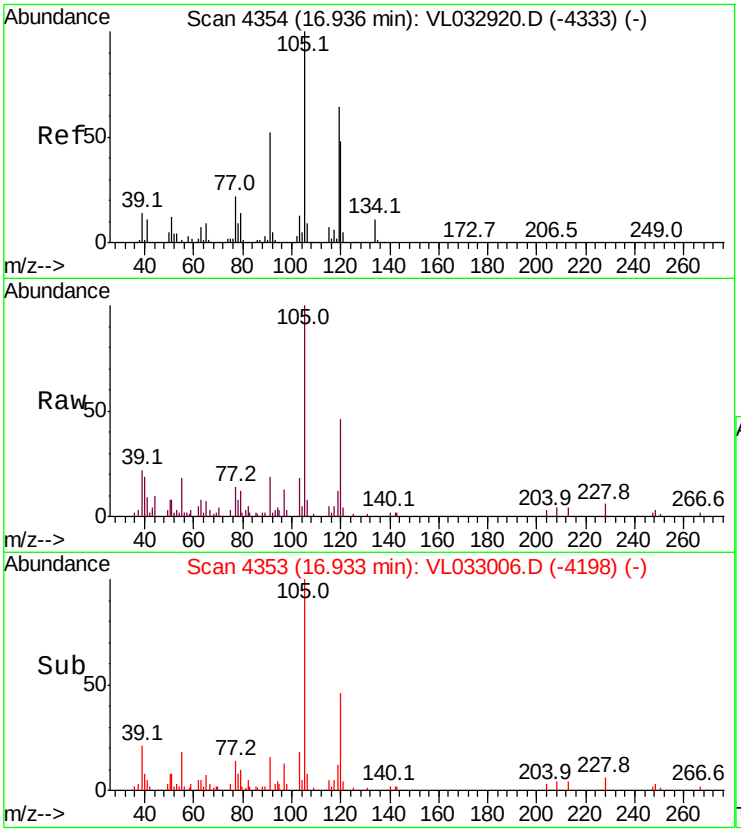


#68
1-Bromo-4-Fluorobenzene
Concen: 9.519 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Tgt Ion: 95 Resp: 2006296

Ion	Ratio	Lower	Upper
95	100		
174	67.7	51.4	77.0
175	4.9	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.064 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. -0.00 min
Lab File: VL033006.D
Acq: 17 Dec 2018 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 22094

Ion	Ratio	Lower	Upper
105	100		
120	33.6	38.6	58.0#
91	12.3	41.7	62.5#
77	10.5	17.4	26.2#