Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

Quantitation Report (Not Reviewed)

Data File : VL033536.D
Acq On : 4 Apr 2019 17:04
Operator : SY/AP
Sample : K2096-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Quant Time: Apr 05 01:57:19 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	906032	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1797803	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2395751	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1829119	9.74	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	118185	0.894	ppbv		94
3) Chlorodifluoromethane	2.99	51	198325	1.901	ppbv	#	71
4) Chloromethane	3.17	50	29528	0.535	ppbv		96
9) Propene	3.24	41	117383	2.680	ppbv		87
10) Heptane	8.25	43	79275	0.677	ppbv		96
11) Trichlorofluoromethane	4.00	101	39865	0.245	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6810	0.062	ppbv		96
13) Ethanol	3.65	45	1969418	173.740	ppbv		65
15) Acetone	3.90	43	1212369	11.129	ppbv		99
16) 1,3-Butadiene	3.34	39	8999	0.208	ppbv	#	42
17) tert-Butyl alcohol	4.03	59	19245	0.961	ppbv		96
19) Isopropyl Alcohol	4.03	45	521382	7.567	ppbv	#	97
20) Methylene Chloride	4.41	84	178476	3.859	ppbv		99
23) Vinyl Acetate	5.15	43	39679	0.256	ppbv	#	70
25) Ethyl Acetate	5.77	43	474992	2.350	ppbv	#	87
26) Hexane	5.78	57	487814	5.428	ppbv	#	50
30) Cyclohexane	7.24	84	3356	0.047	ppbv	#	1
31) cis-1,2-Dichloroethene	5.76	61	17915	0.201	ppbv	#	35
34) 2-Butanone	5.33	43	60592	0.561	ppbv		99
35) Carbon Tetrachloride	7.13	117	4172	0.033	ppbv		99
37) 1,2-Dichloroethane	6.40	62	3283	0.032	ppbv	#	84
39) 1,2-Dichloropropane	7.28	63	472011	7.988	ppbv	#	24
41) Tetrahydrofuran	6.42	42	3798	0.064	ppbv	#	38
43) Methyl Methacrylate	8.14	69	7888	0.129	ppbv	#	47
44) 2,2,4-Trimethylpentane	7.99	57	8714	0.033	ppbv	#	1
53) Toluene	9.94	91	1481266	8.450	ppbv		100
59) m/p-Xylene	13.13	91	27659	0.097	ppbv	#	100
60) o-Xylene	13.84	91	25194	0.091	ppbv	#	33
73) 1,3,5-Trimethylbenzene	16.15	105	9181	0.031	ppbv	#	76
74) 1,2,4-Trimethylbenzene	16.92	105	58353	0.183	ppbv	#	68

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

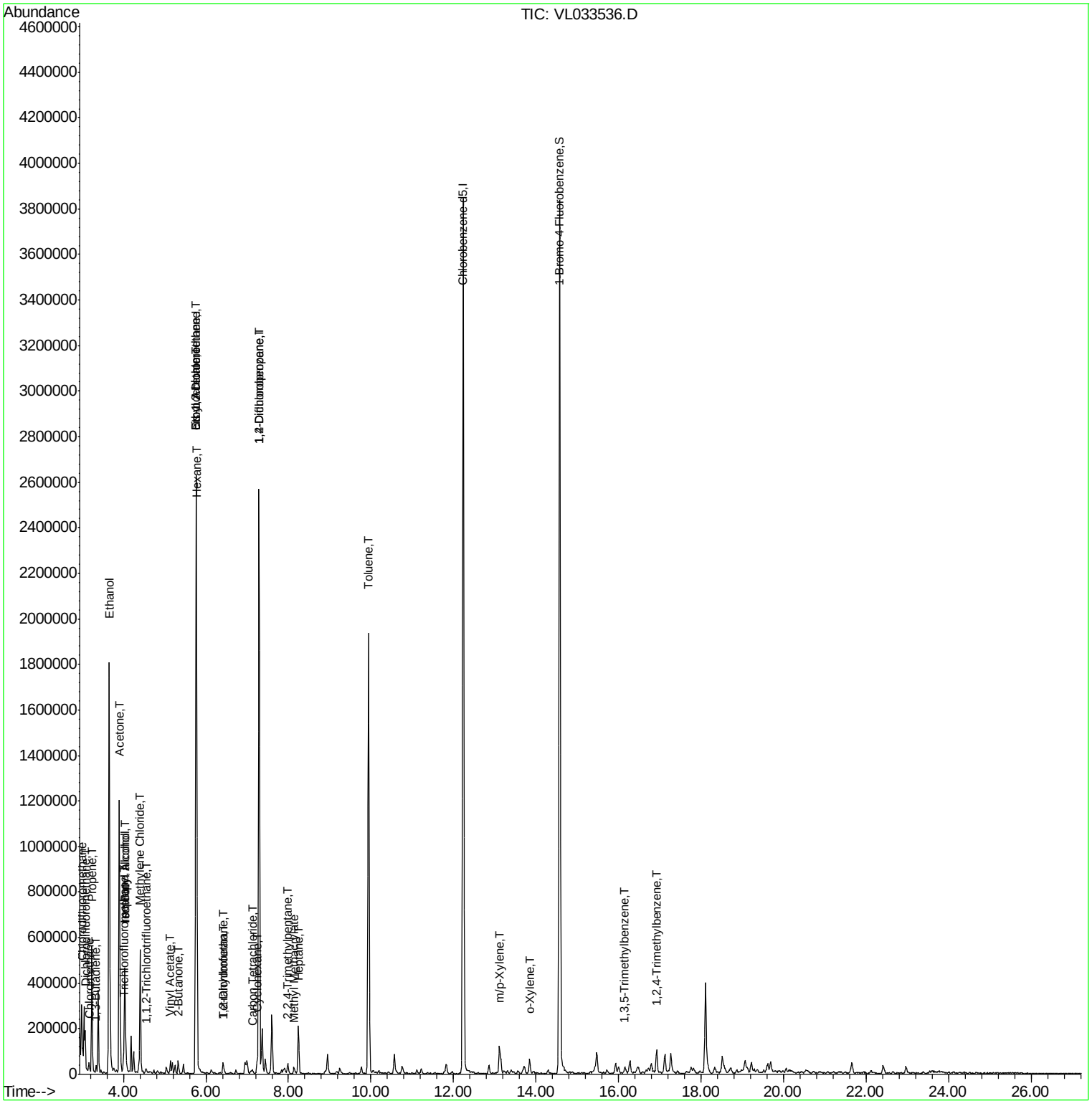
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

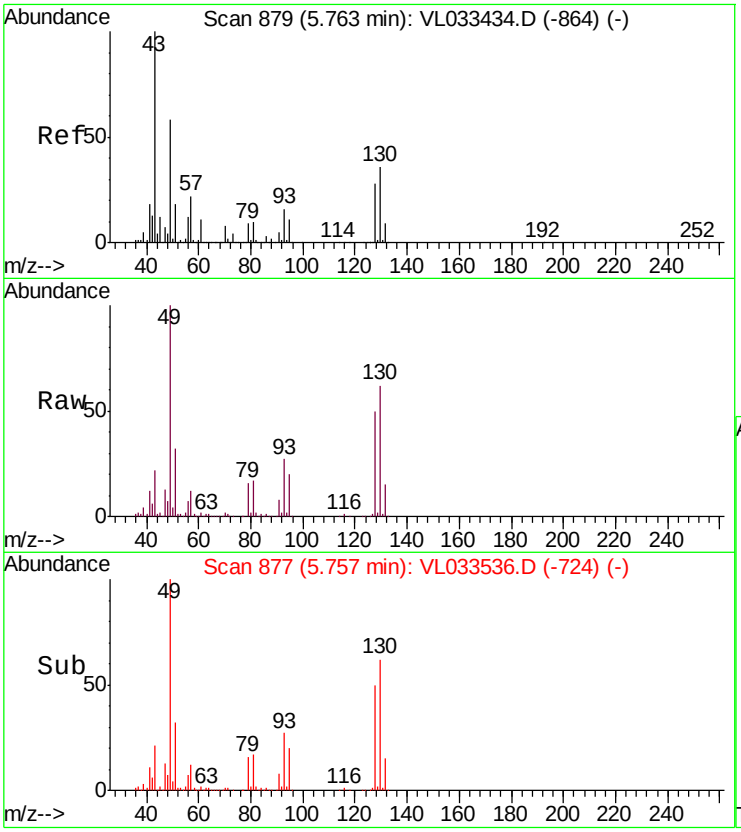
Quantitation Report (Not Reviewed)

Data File : VL033536.D
Acq On : 4 Apr 2019 17:04
Operator : SY/AP
Sample : K2096-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Quant Time: Apr 05 01:57:19 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



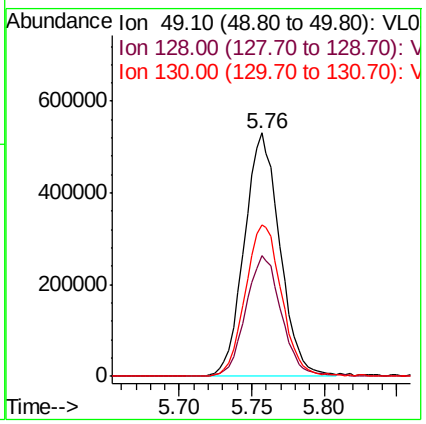


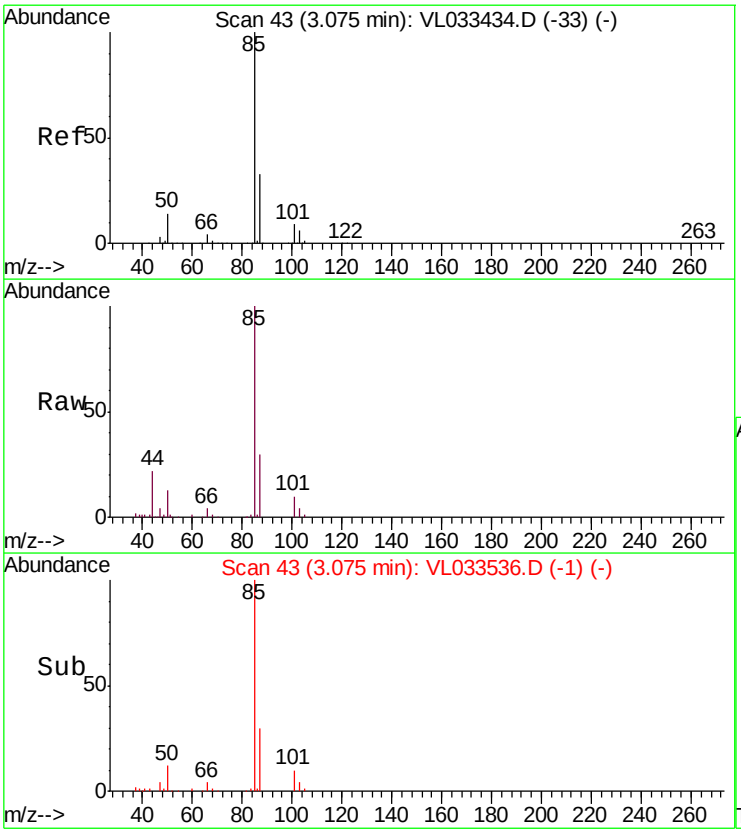
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion: 49 Resp: 906032

Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.0	72.0
130	64.0	31.2	93.6

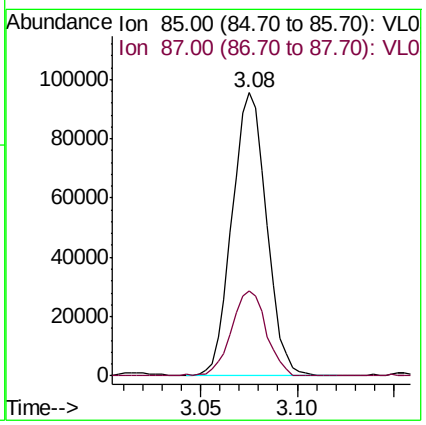


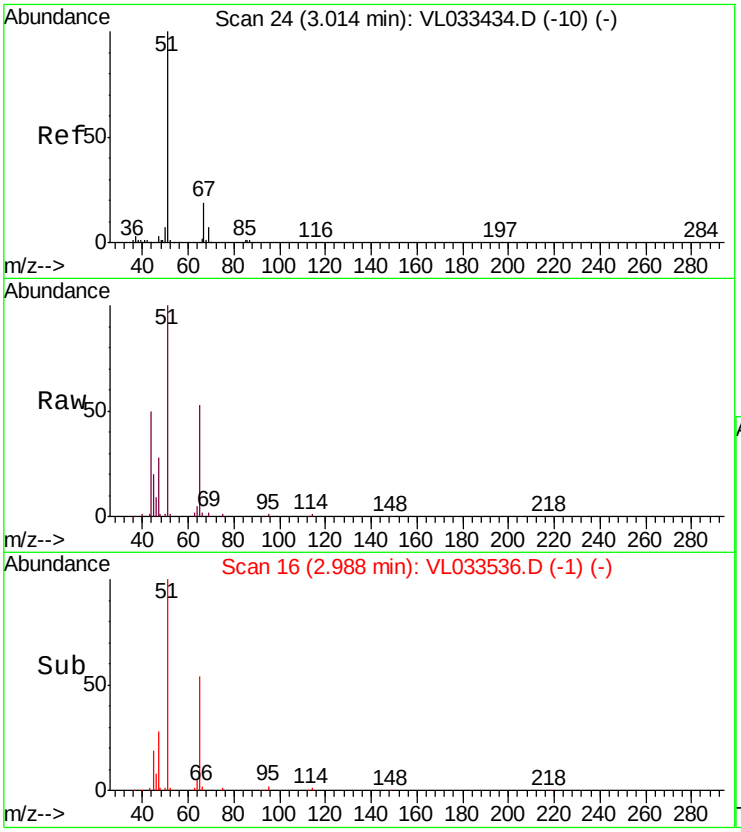


#2
Dichlorodifluoromethane
Concen: 0.894 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 85 Resp: 118185

Ion	Ratio	Lower	Upper
85	100		
87	30.0	26.7	40.1



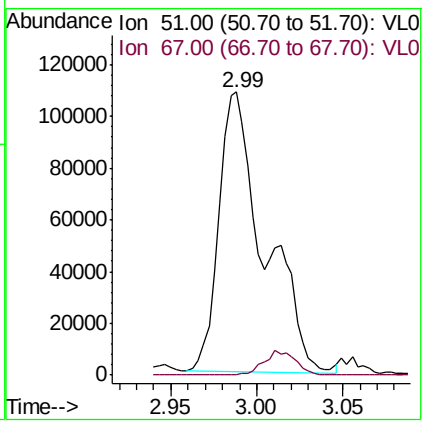


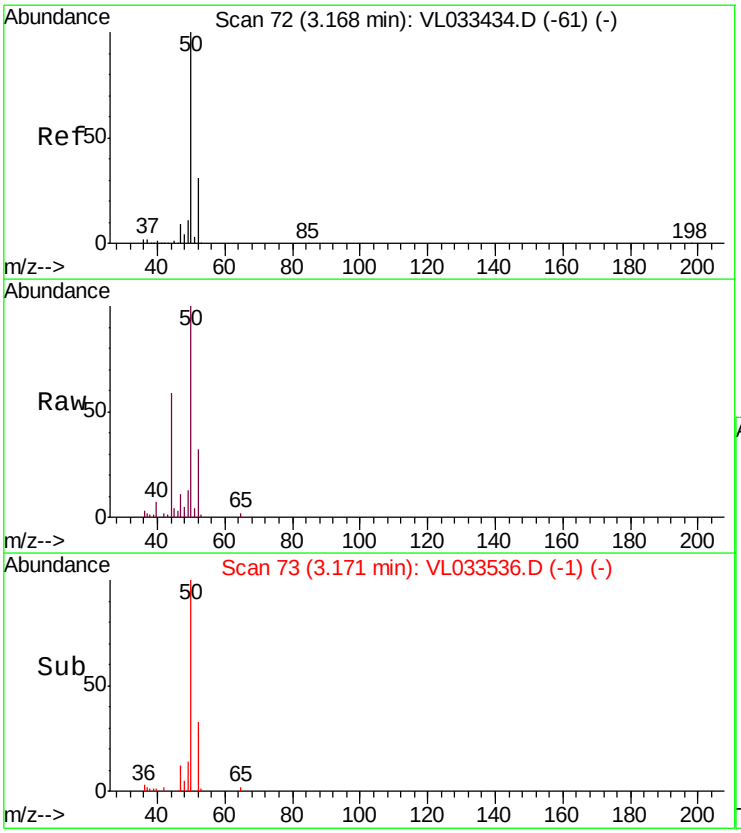
#3
Chlorodifluoromethane
Concen: 1.901 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion: 51 Resp: 198325

Ion	Ratio	Lower	Upper
51	100		
67	6.1	15.7	23.5#

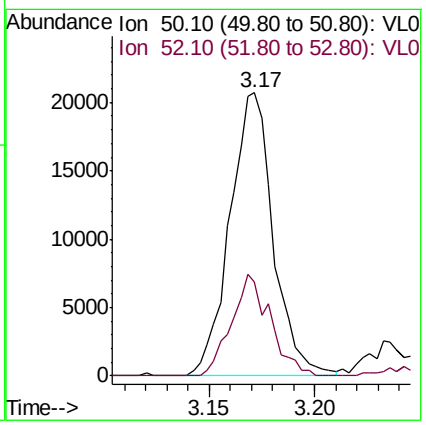


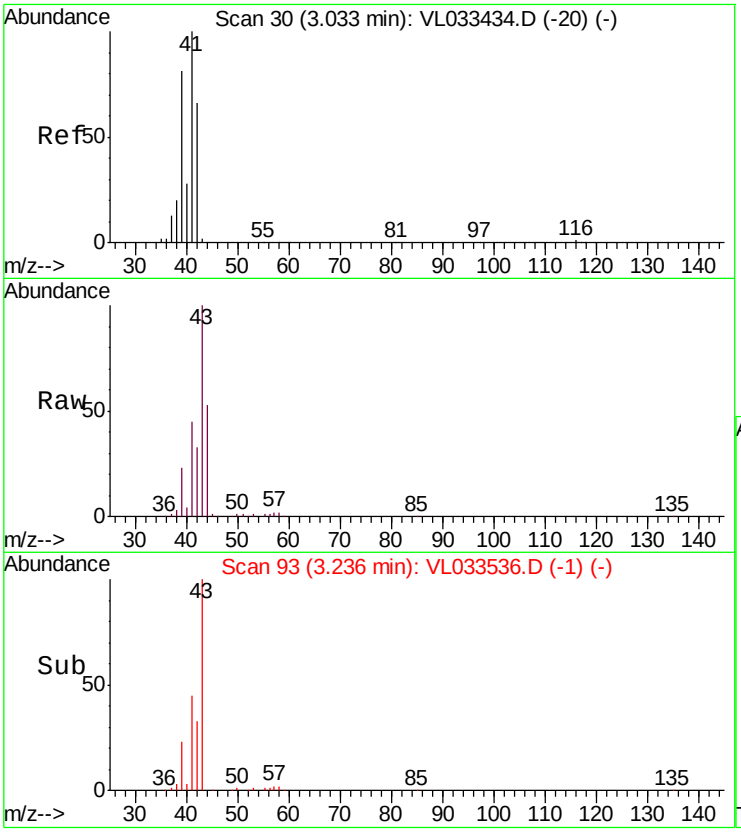


#4
Chloromethane
Concen: 0.535 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 50 Resp: 29528

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.0	37.6



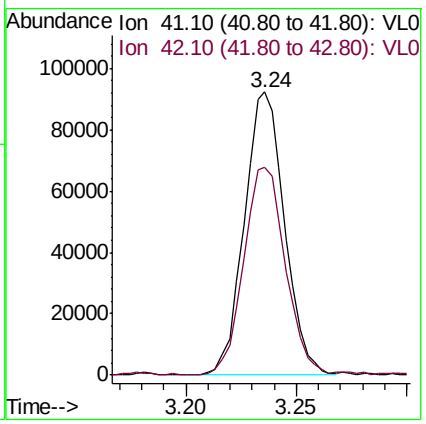


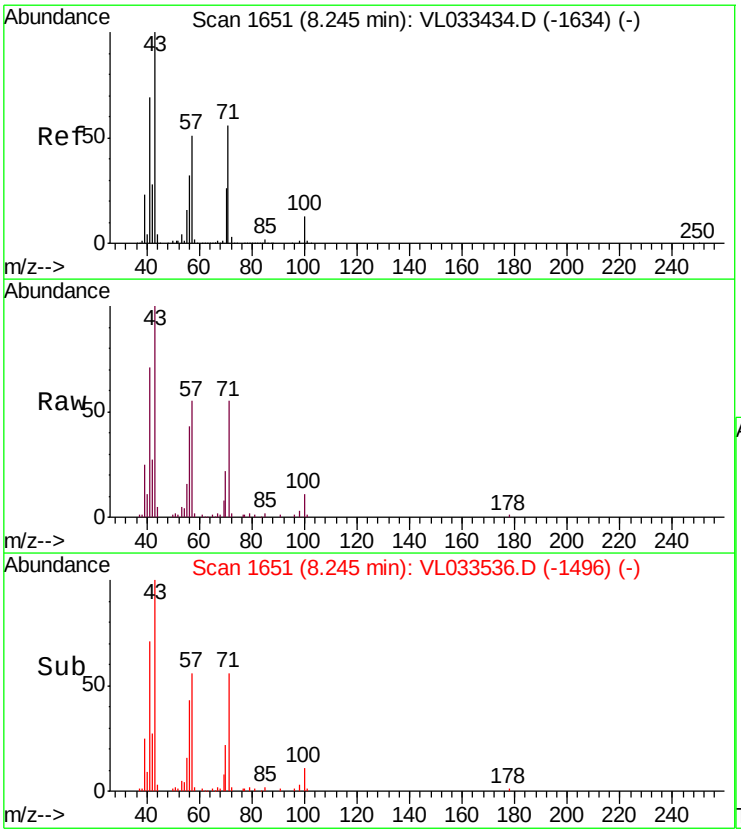
#9
Propene
Concen: 2.680 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion: 41 Resp: 117383

Ion	Ratio	Lower	Upper
41	100		
42	77.6	53.9	80.9

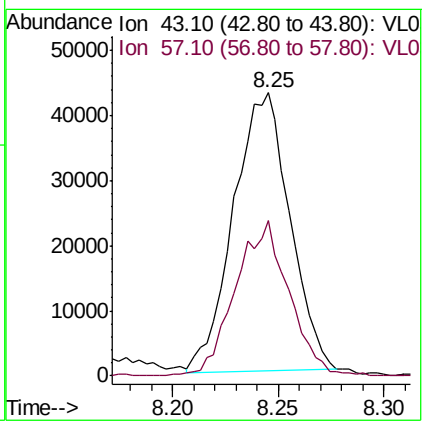


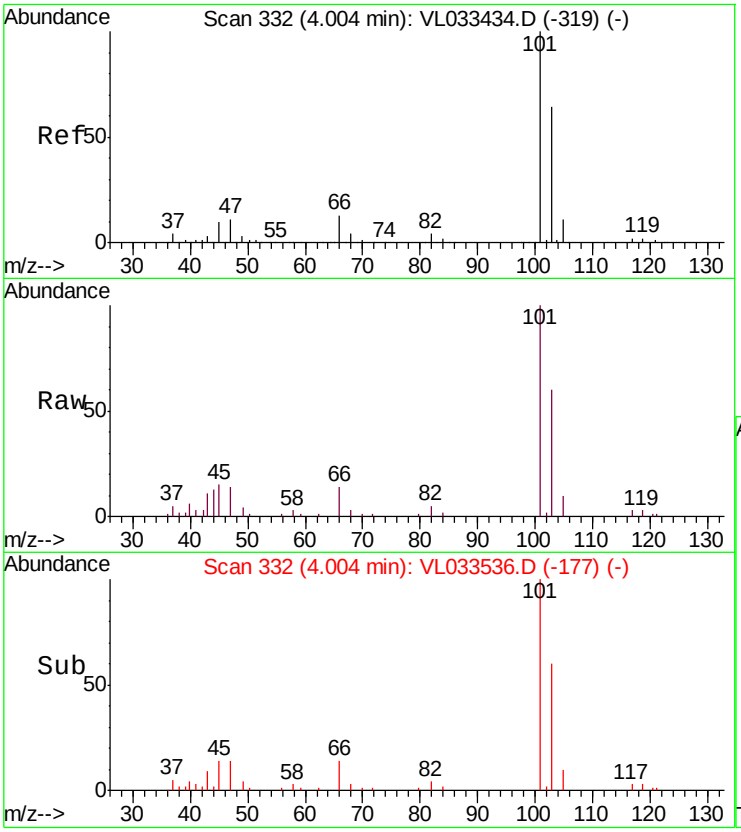


#10
Heptane
Concen: 0.677 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 43 Resp: 79275

Ion	Ratio	Lower	Upper
43	100		
57	53.3	40.6	60.8



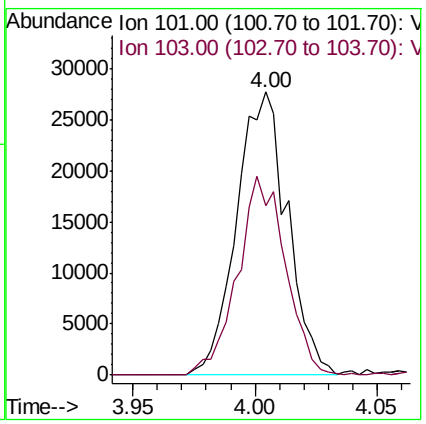


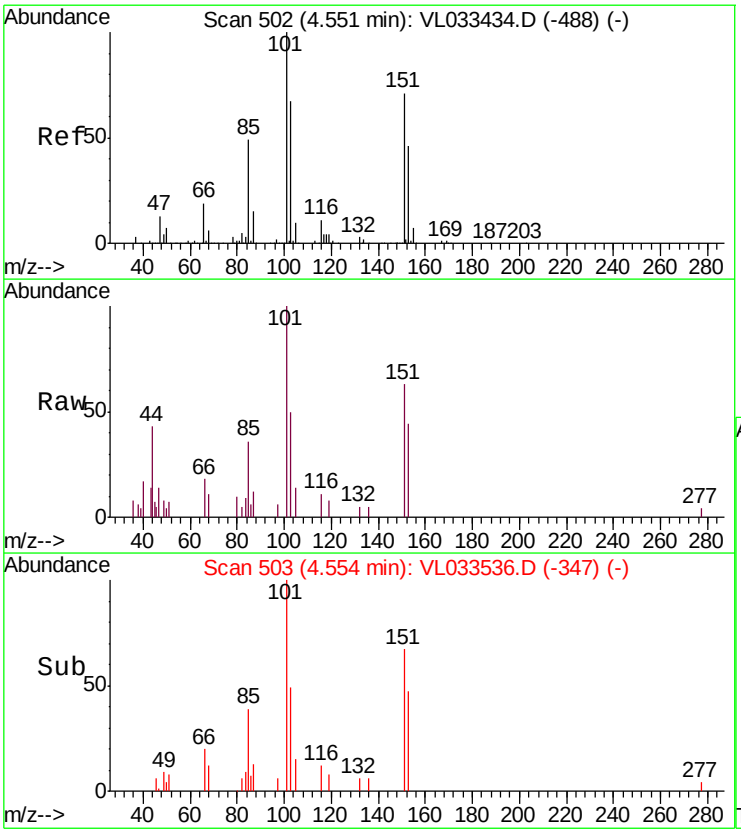
#11
Trichlorofluoromethane
Concen: 0.245 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion:101 Resp: 39865

Ion	Ratio	Lower	Upper
101	100		
103	59.7	51.3	76.9

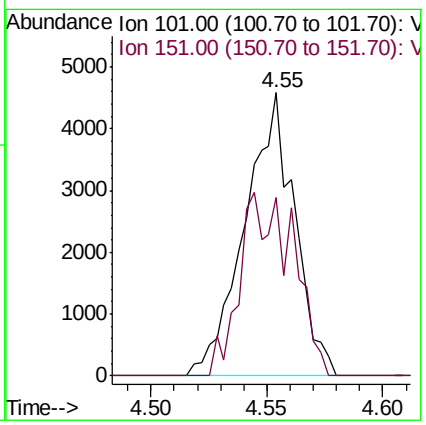


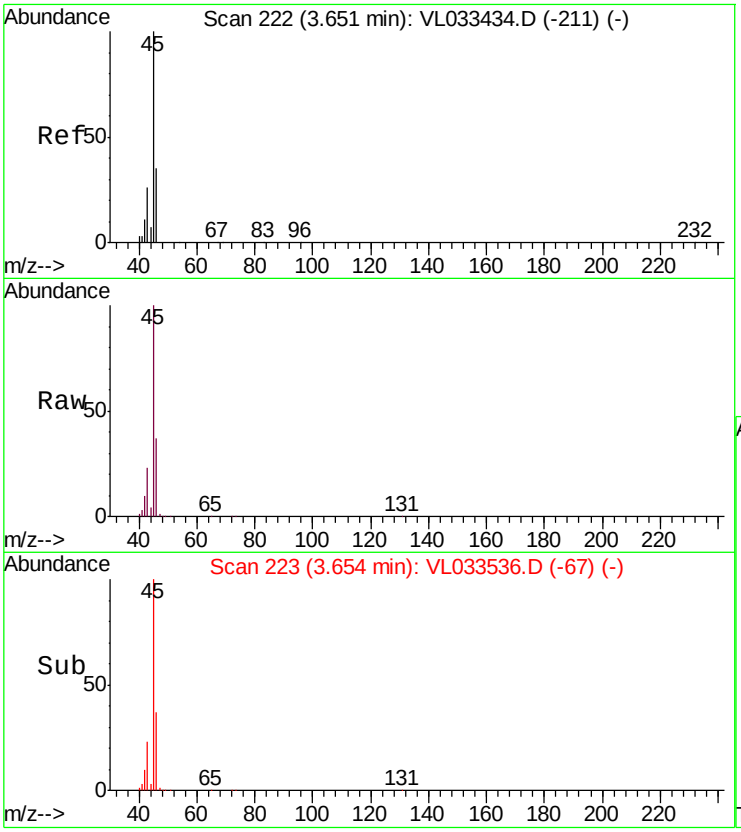


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.062 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion:101 Resp: 6810

Ion	Ratio	Lower	Upper
101	100		
151	69.0	57.7	86.5



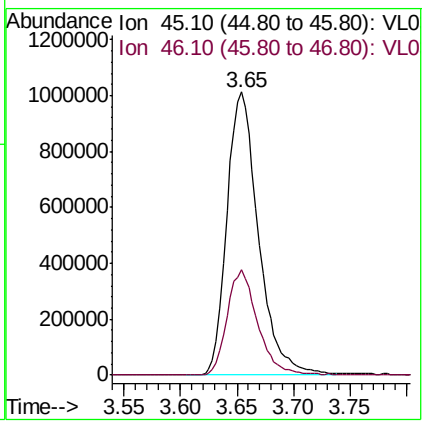


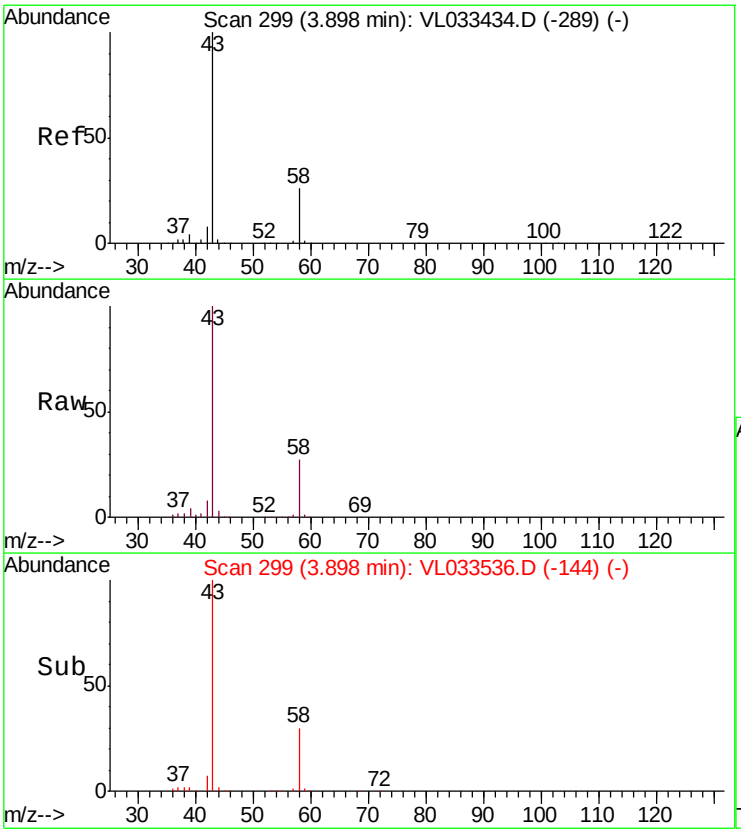
#13
Ethanol
Concen: 173.740 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion: 45 Resp: 1969418

Ion	Ratio	Lower	Upper
45	100		
46	36.4	25.4	101.8

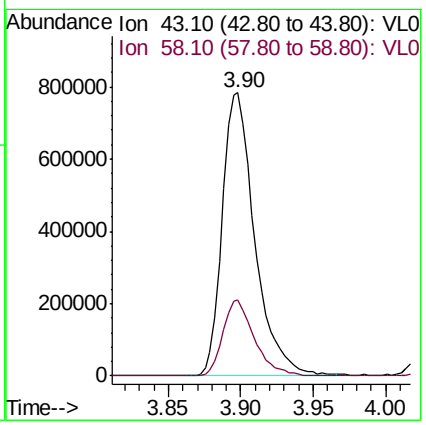


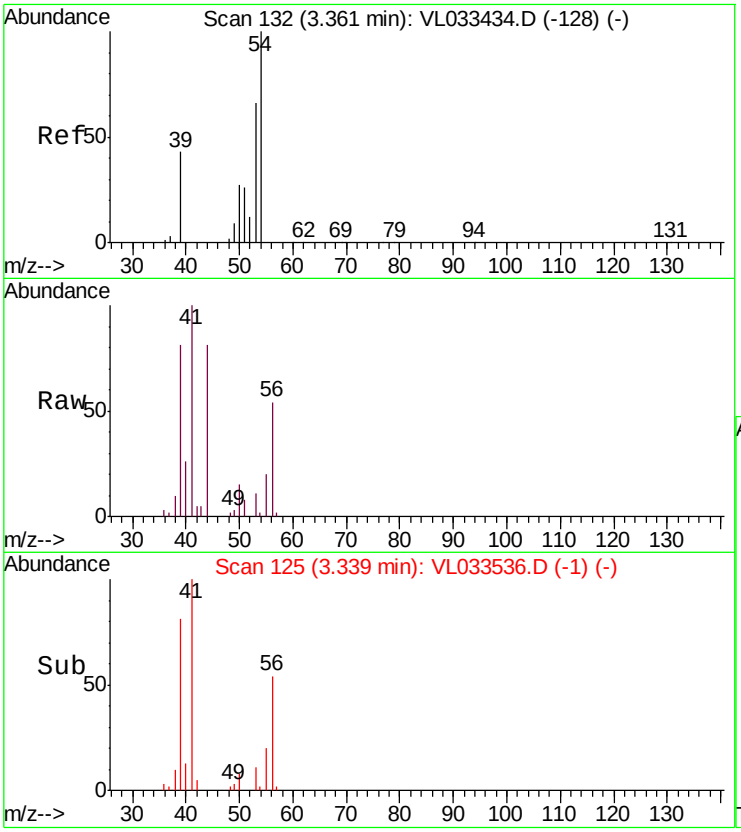


#15
Acetone
Concen: 11.129 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 43 Resp: 1212369

Ion	Ratio	Lower	Upper
43	100		
58	26.3	20.5	30.7



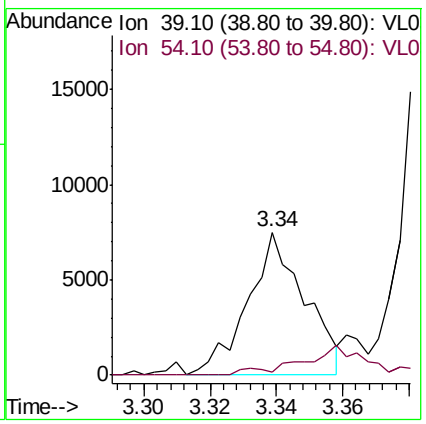


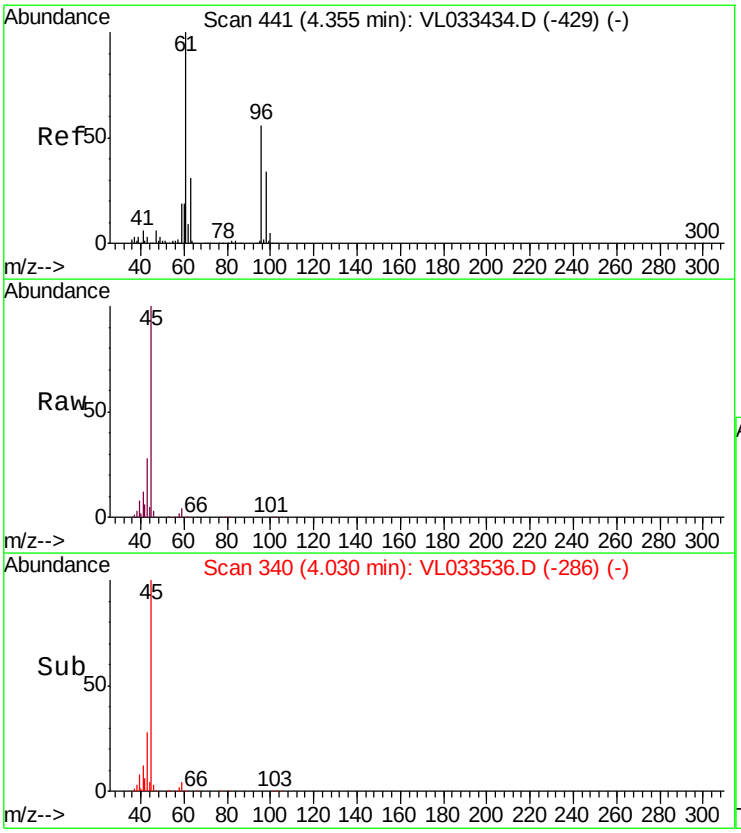
#16
1,3-Butadiene
Concen: 0.208 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion: 39 Resp: 8999

Ion	Ratio	Lower	Upper
39	100		
54	33.3	69.4	104.2#

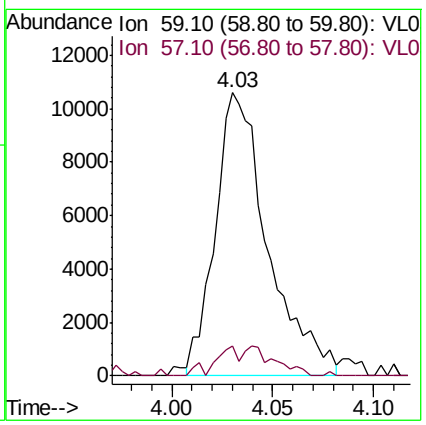


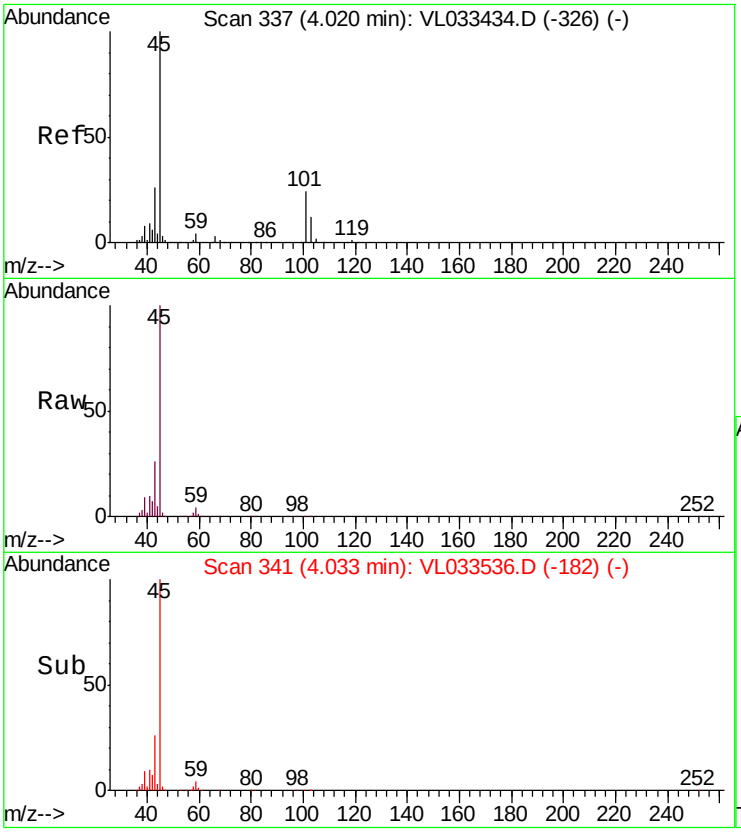


#17
tert-Butyl alcohol
Concen: 0.961 ppbv
RT: 4.03 min Scan# 340
Delta R.T. -0.32 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 59 Resp: 19245

Ion	Ratio	Lower	Upper
59	100		
57	11.3	7.8	11.8



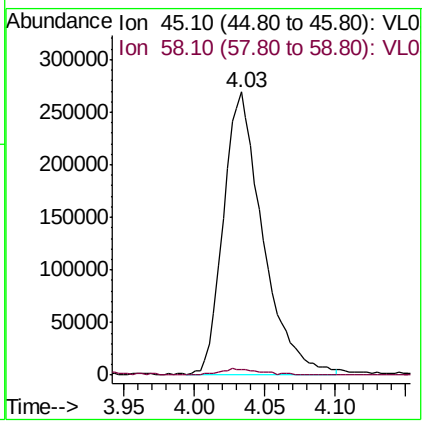


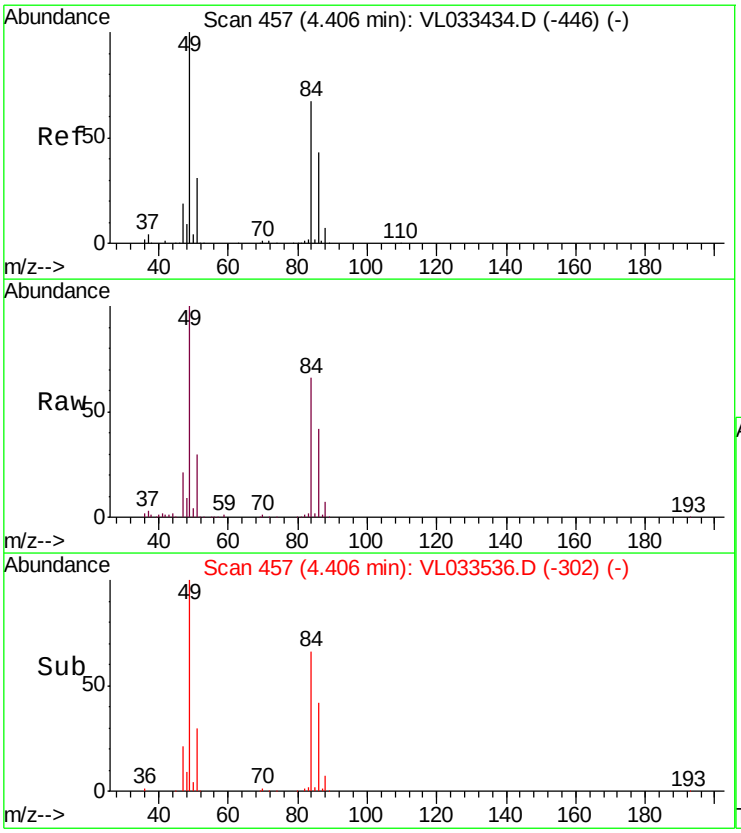
#19
Isopropyl Alcohol
Concen: 7.567 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion: 45 Resp: 521382

Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.4	2.2#

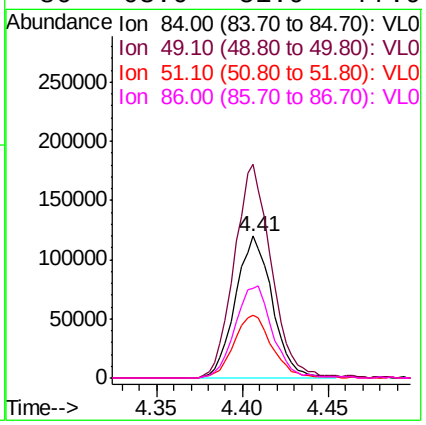


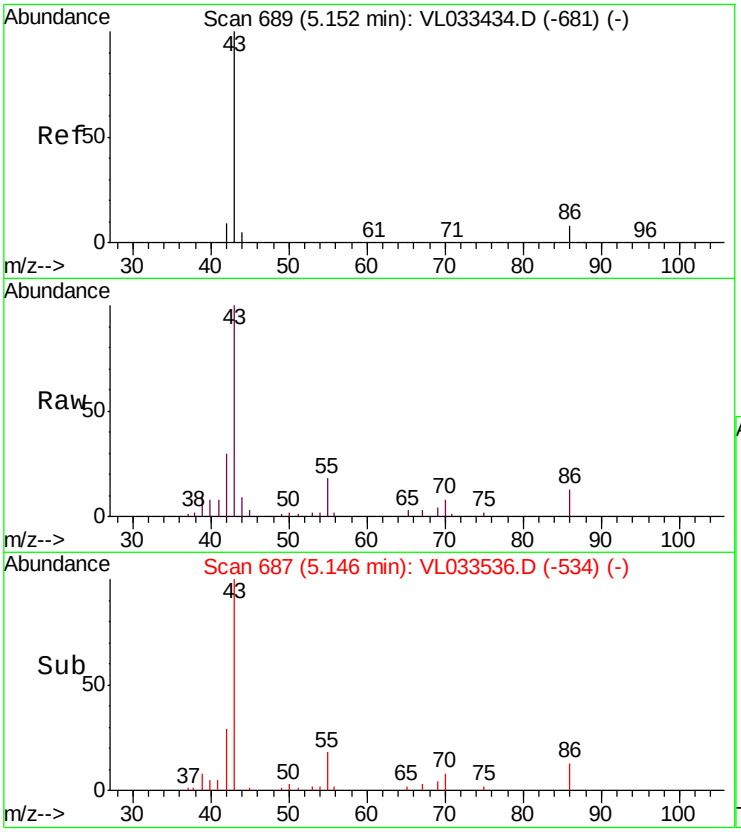


#20
Methylene Chloride
Concen: 3.859 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 84 Resp: 178476

Ion	Ratio	Lower	Upper
84	100		
49	150.5	120.0	180.0
51	44.5	36.7	55.1
86	63.0	51.9	77.9



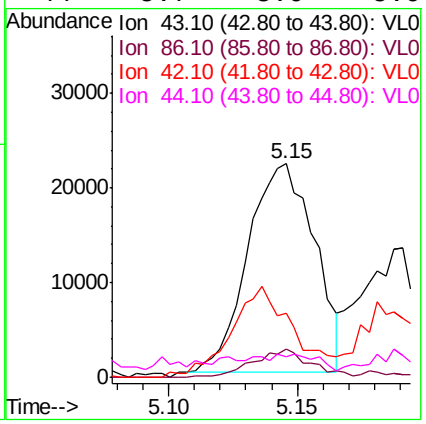


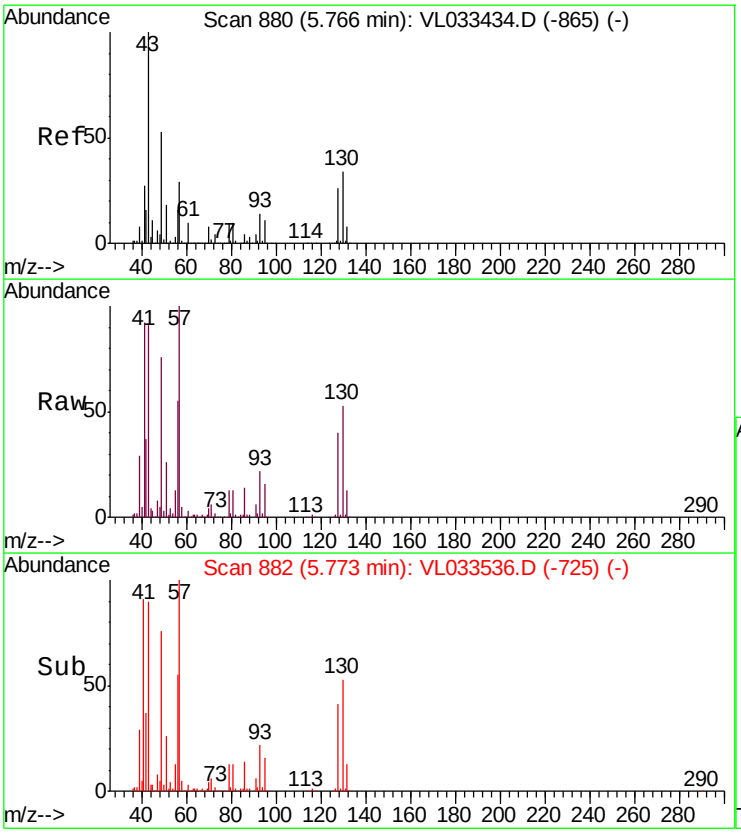
#23
Vinyl Acetate
Concen: 0.256 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion: 43 Resp: 39679

Ion	Ratio	Lower	Upper
43	100		
86	13.3	5.6	8.4#
42	29.0	8.0	12.0#
44	5.7	3.9	5.9

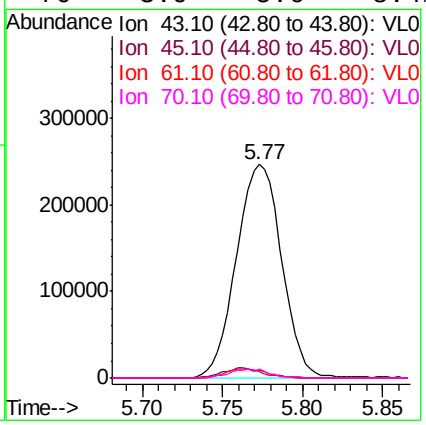


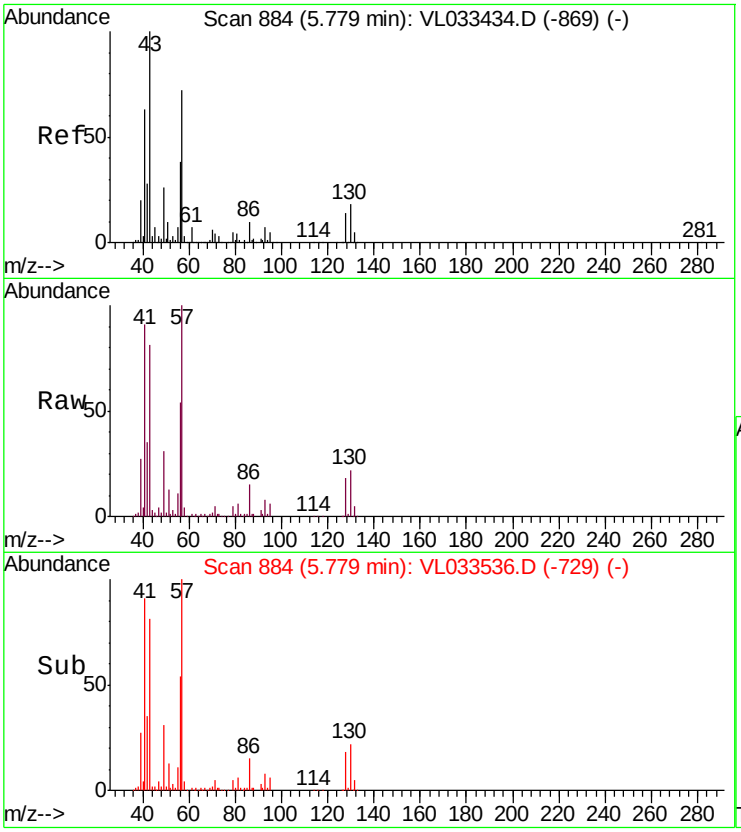


#25
Ethyl Acetate
Concen: 2.350 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 43 Resp: 474992

Ion	Ratio	Lower	Upper
43	100		
45	4.6	7.8	11.6#
61	3.8	7.3	10.9#
70	3.9	5.6	8.4#



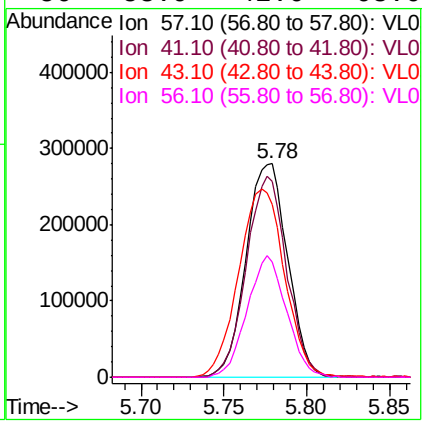


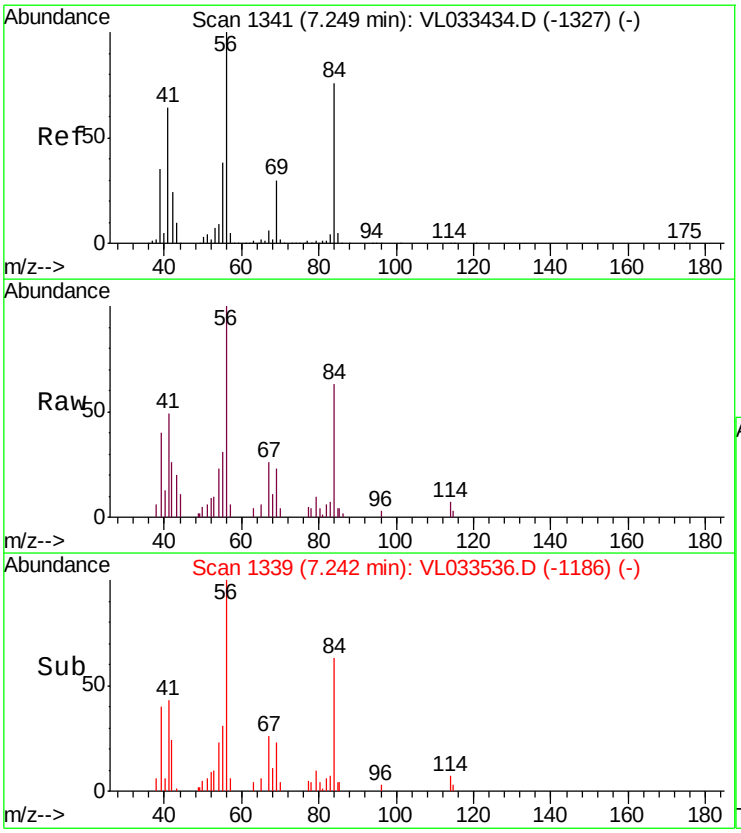
#26
Hexane
Concen: 5.428 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion: 57 Resp: 487814

Ion	Ratio	Lower	Upper
57	100		
41	91.7	70.7	106.1
43	98.4	182.6	274.0#
56	53.9	42.0	63.0

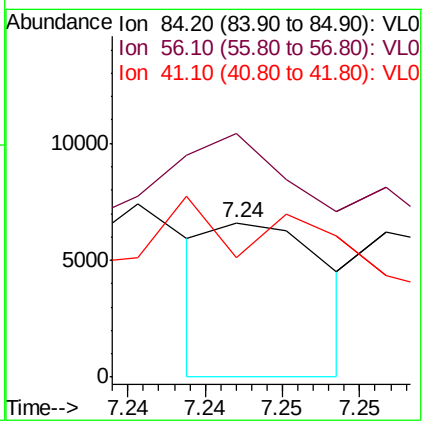


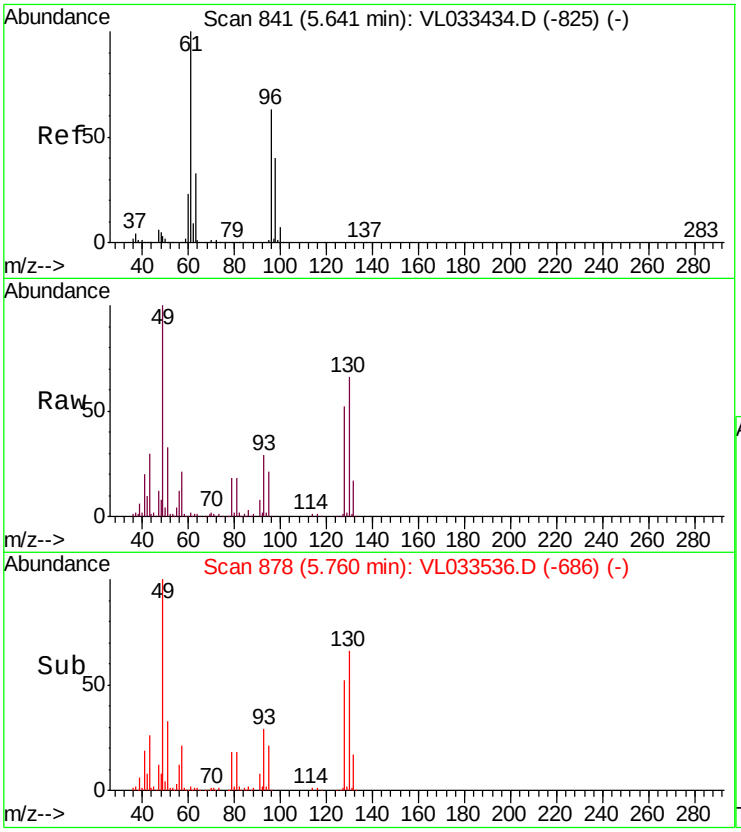


#30
Cyclohexane
Concen: 0.047 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 84 Resp: 3356

Ion	Ratio	Lower	Upper
84	100		
56	555.8	109.7	164.5#
41	414.1	68.2	102.2#



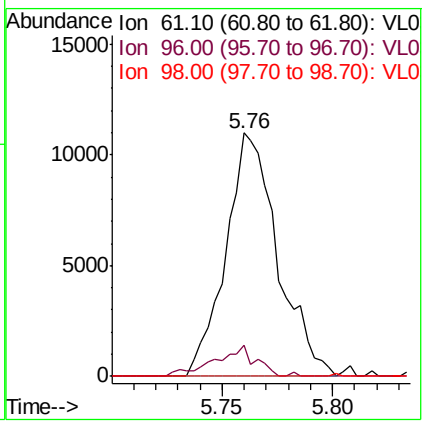


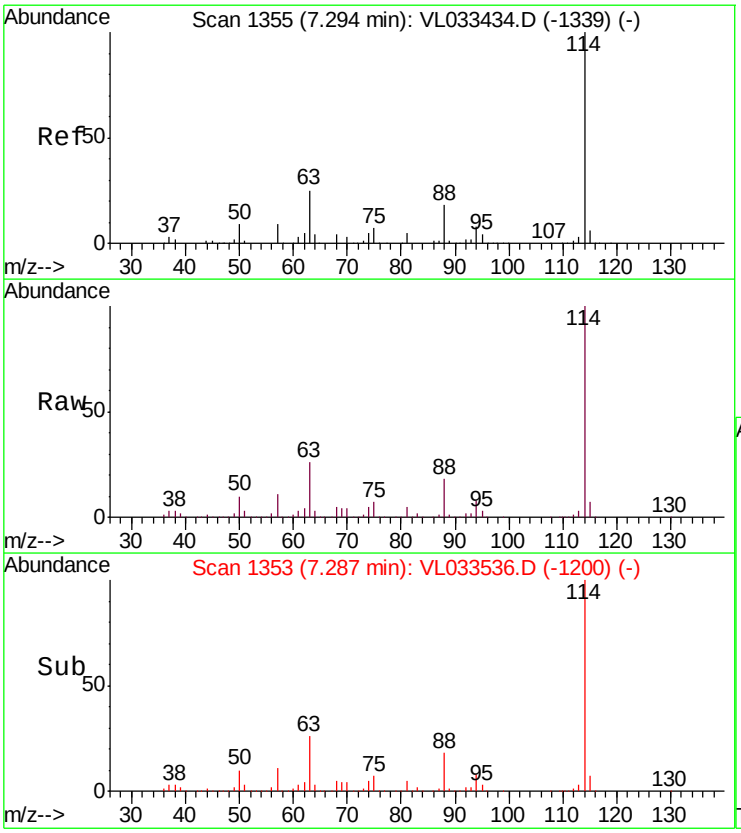
#31
cis-1,2-Dichloroethene
Concen: 0.201 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.12 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion: 61 Resp: 17915

Ion	Ratio	Lower	Upper
61	100		
96	12.5	50.6	76.0#
98	0.0	32.2	48.2#

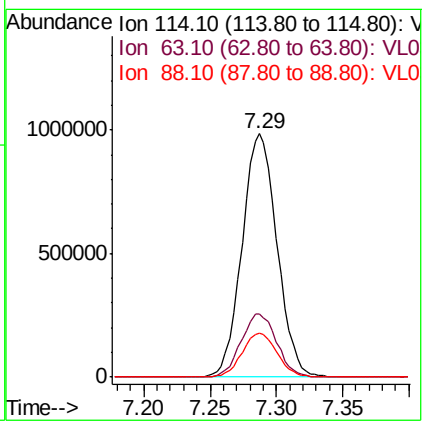


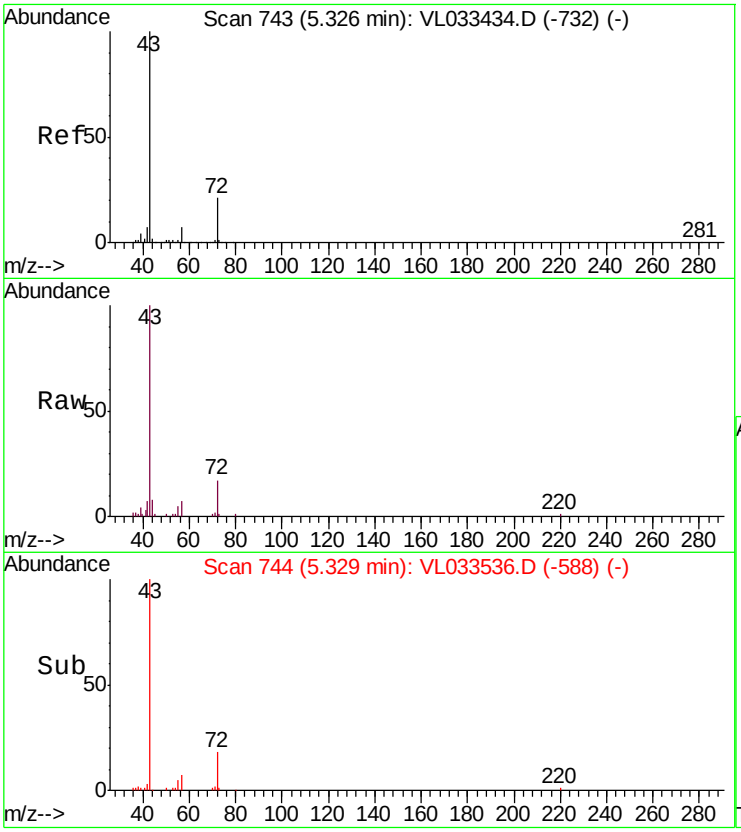


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion:114 Resp: 1797803

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.1	14.5	21.7



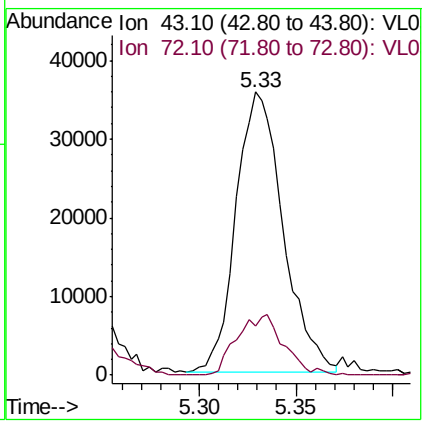


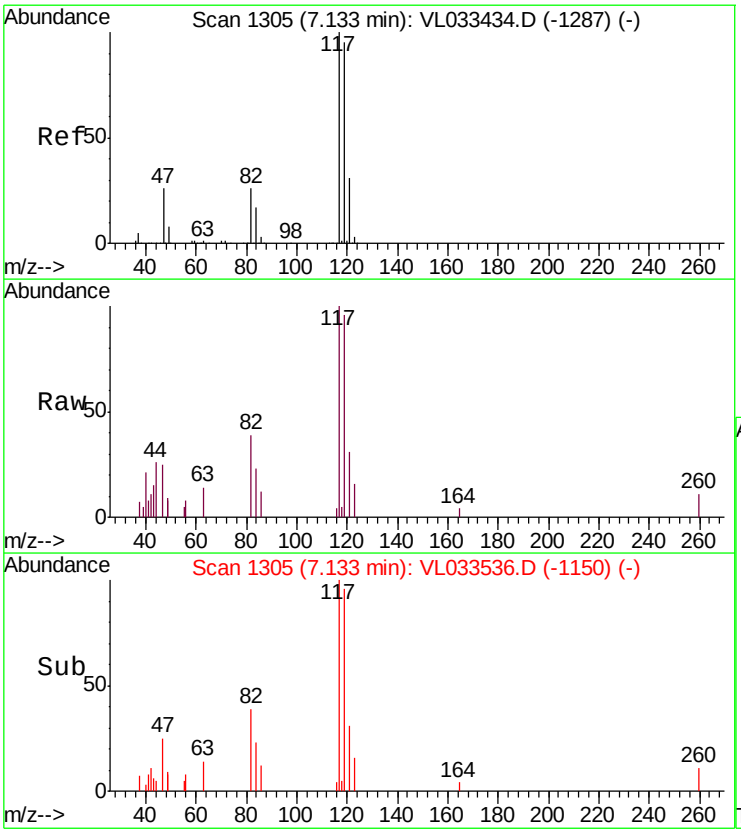
#34
2-Butanone
Concen: 0.561 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion: 43 Resp: 60592

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.4	26.2

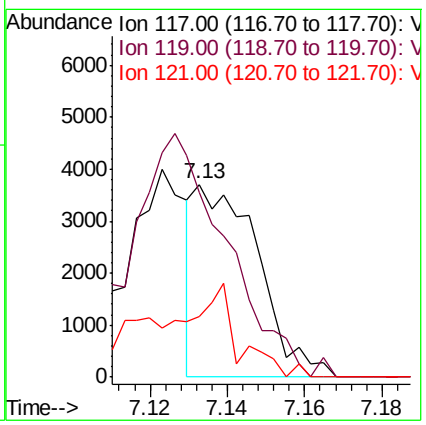


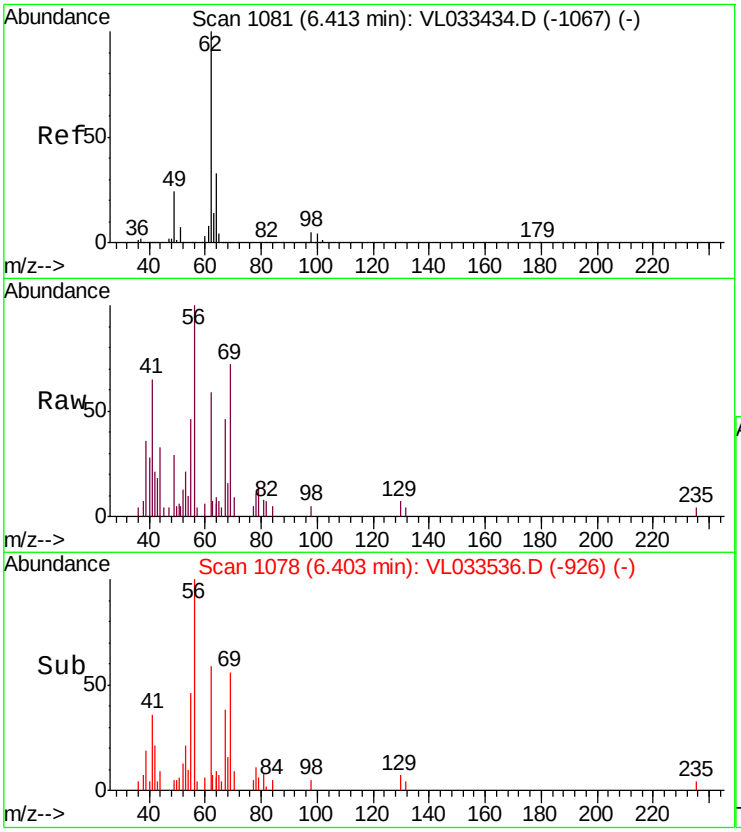


#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion:117 Resp: 4172

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
121	31.4	24.7	37.1



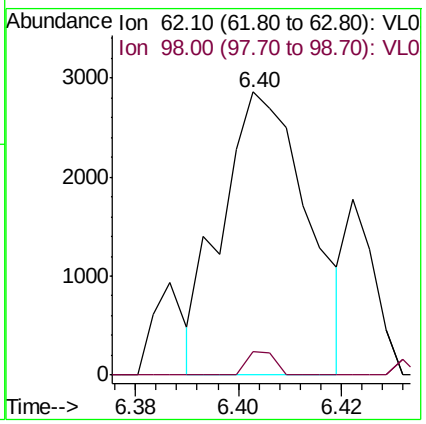


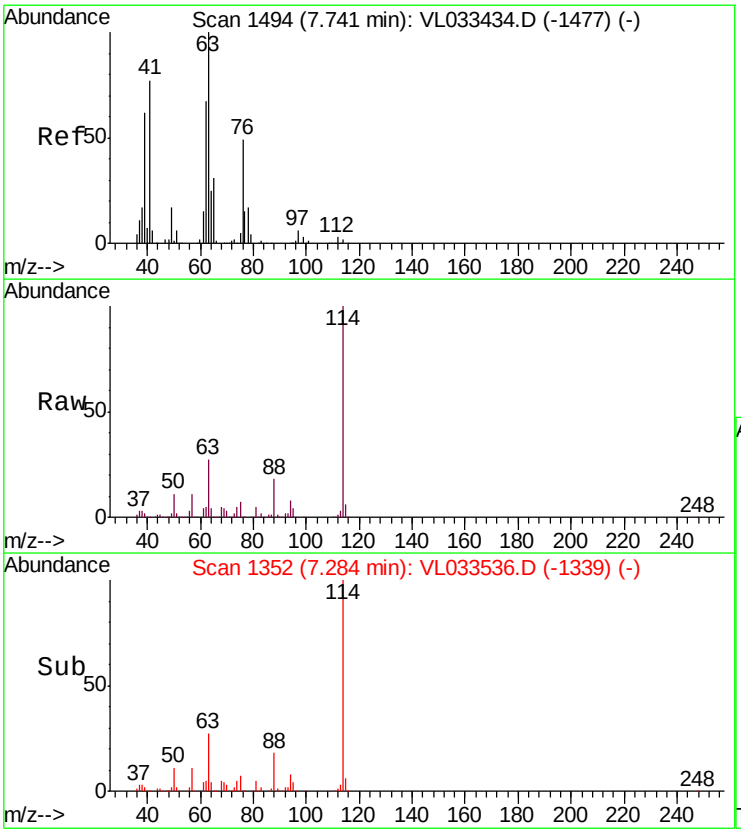
#37
1,2-Dichloroethane
Concen: 0.032 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion: 62 Resp: 3283

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.4	6.6#

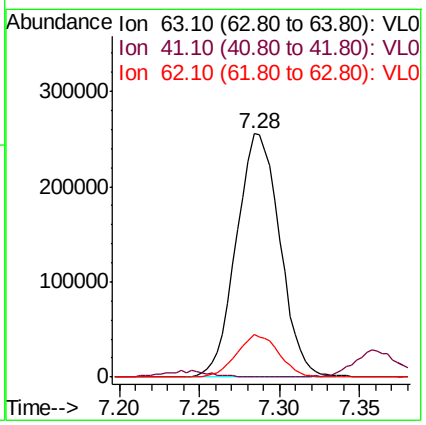


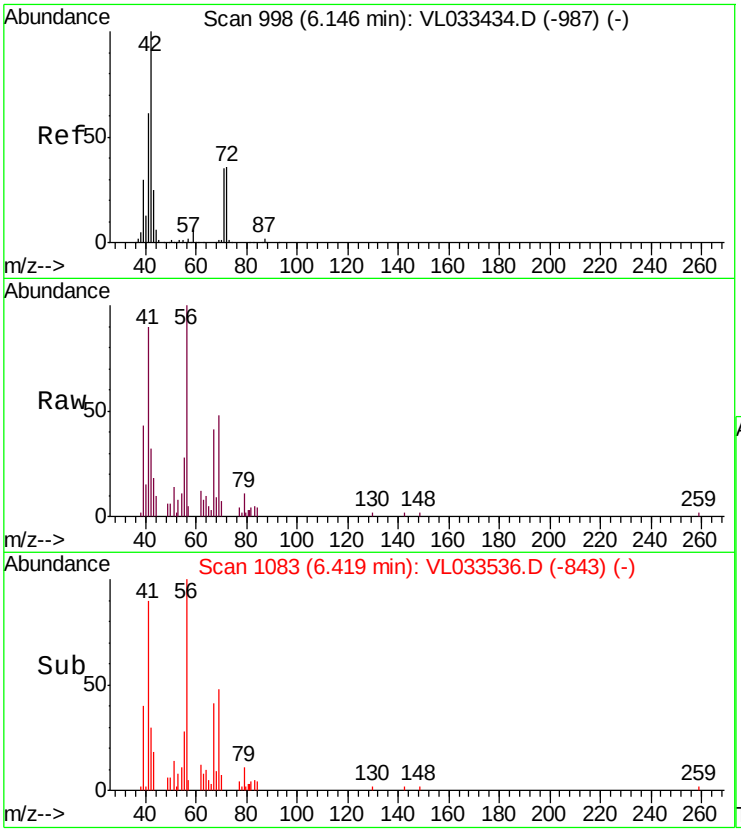


#39
1,2-Dichloropropane
Concen: 7.988 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.46 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 63 Resp: 472011

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	17.3	54.0	81.0#



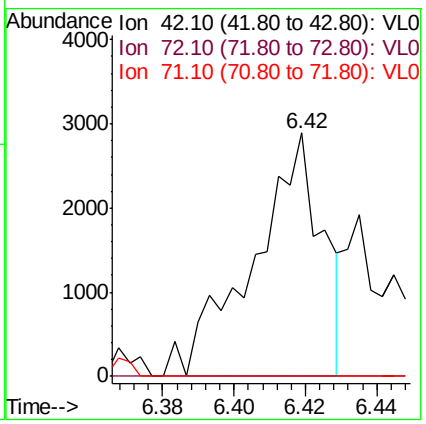


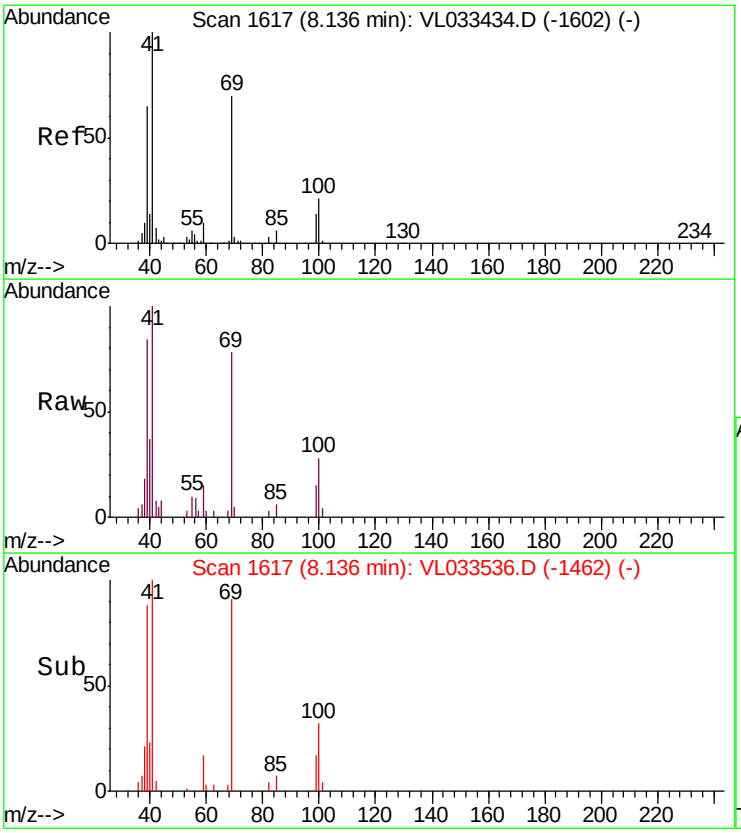
#41
Tetrahydrofuran
Concen: 0.064 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. 0.27 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion: 42 Resp: 3798

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

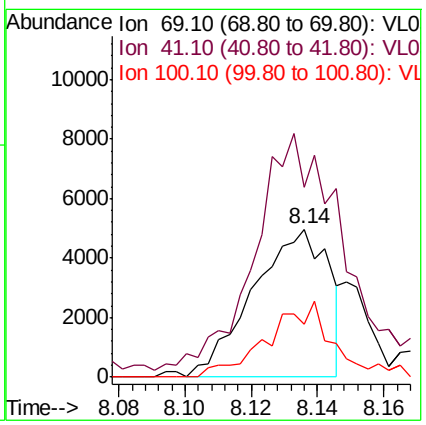


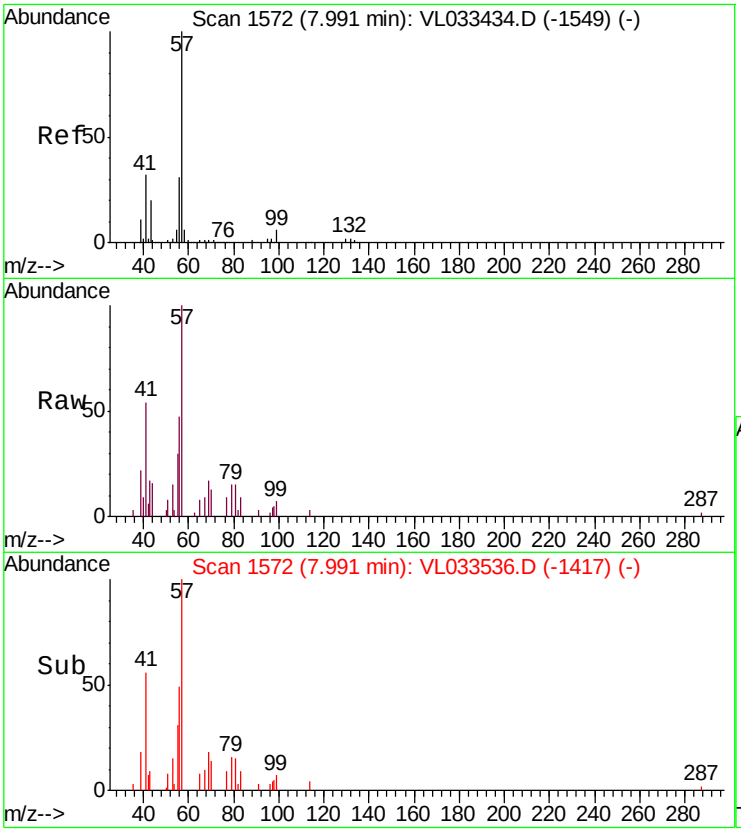


#43
Methyl Methacrylate
Concen: 0.129 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 69 Resp: 7888

Ion	Ratio	Lower	Upper
69	100		
41	219.1	116.6	174.8#
100	44.2	24.4	36.6#



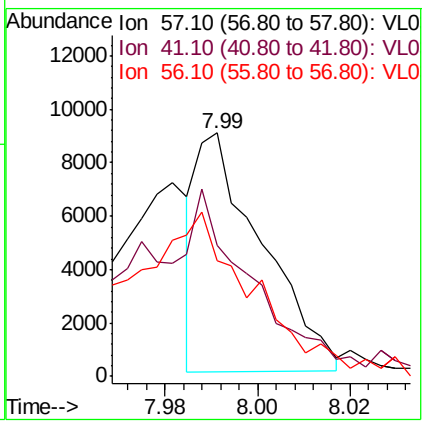


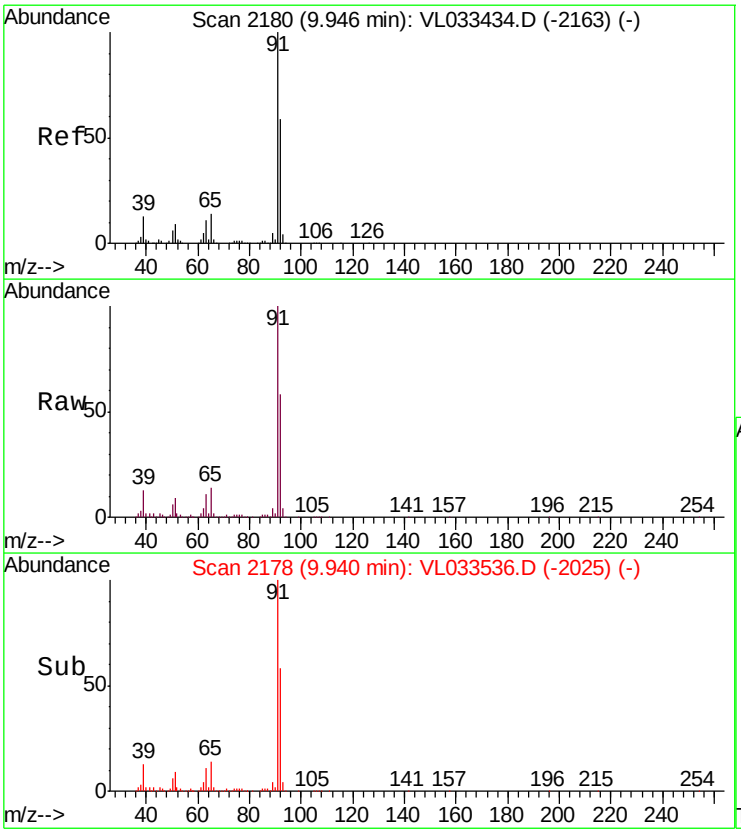
#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion: 57 Resp: 8714

Ion	Ratio	Lower	Upper
57	100		
41	148.3	26.0	39.0#
56	141.1	24.6	37.0#

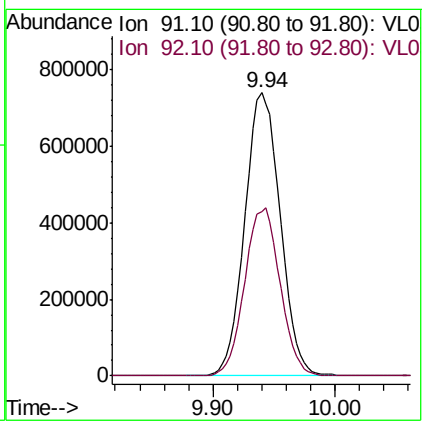


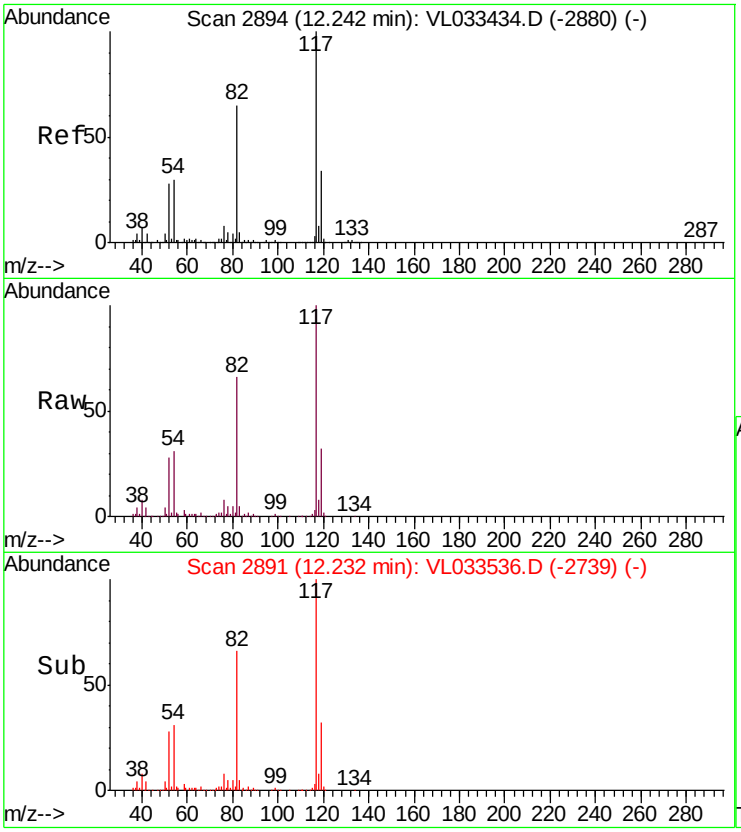


#53
Toluene
Concen: 8.450 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 91 Resp: 1481266

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.0



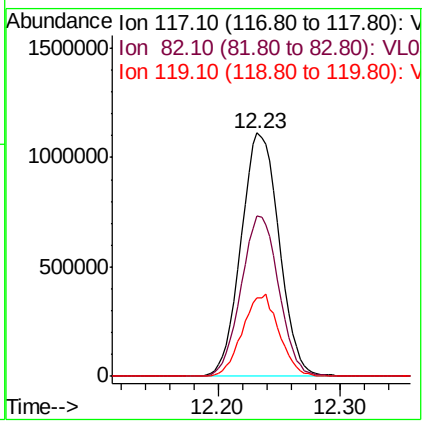


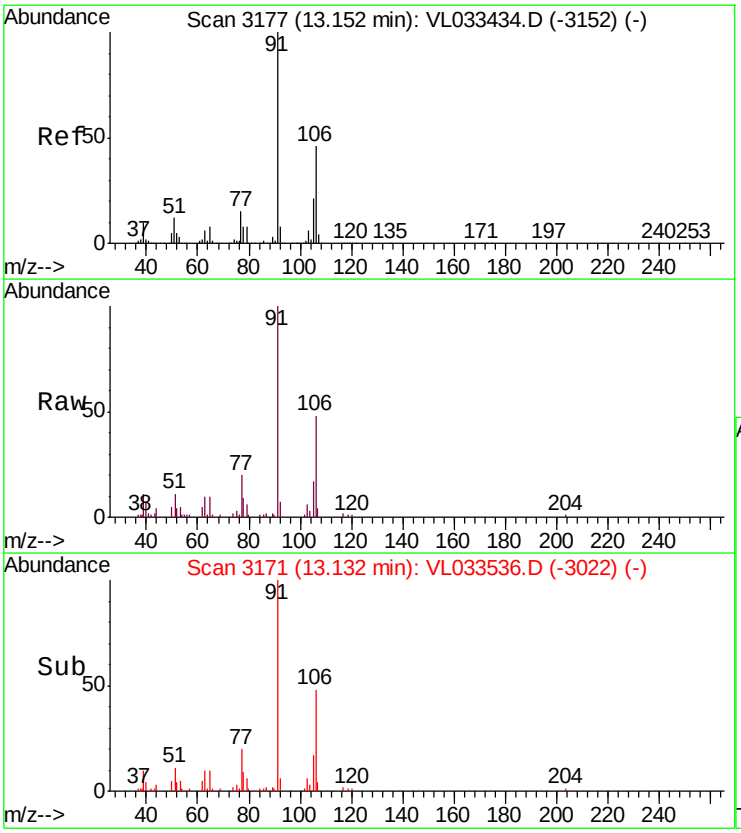
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument : MSVOA_L
ClientSampleId : A-1DUP

Tgt Ion:117 Resp: 2395751

Ion	Ratio	Lower	Upper
117	100		
82	65.5	51.5	77.3
119	32.2	25.5	38.3

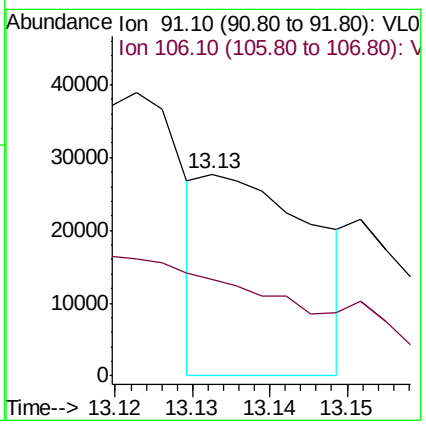


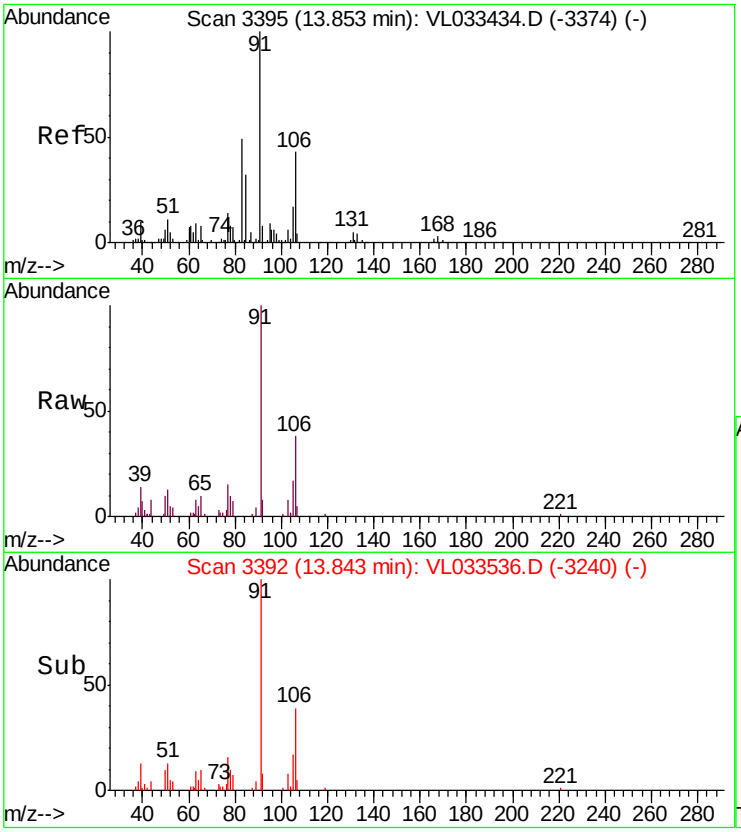


#59
m/p-Xylene
Concen: 0.097 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 91 Resp: 27659

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



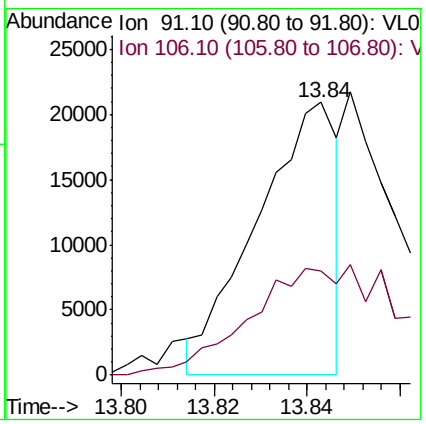


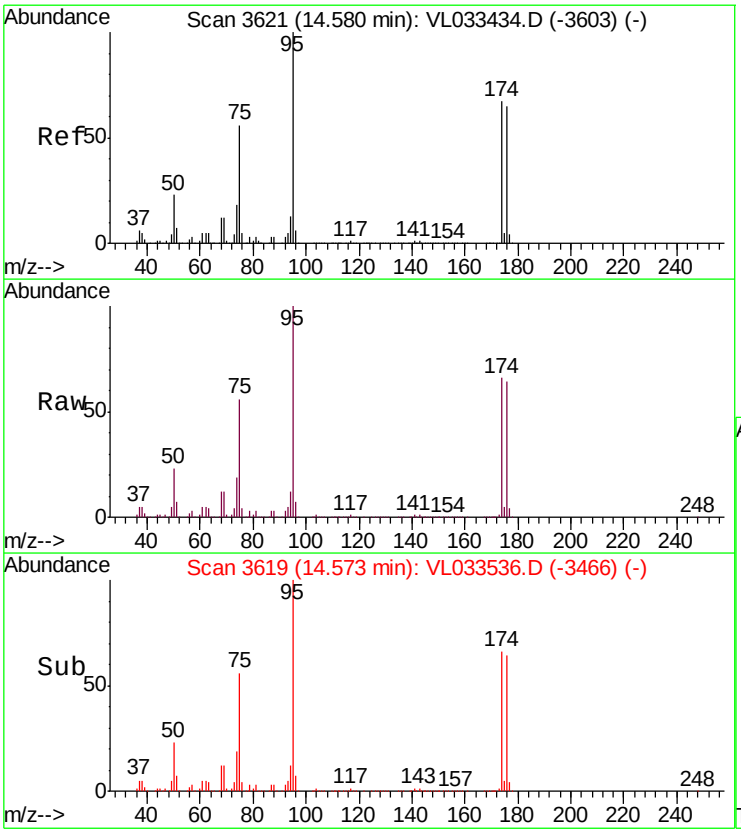
#60
o-Xylene
Concen: 0.091 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion: 91 Resp: 25194

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.4	64.3#

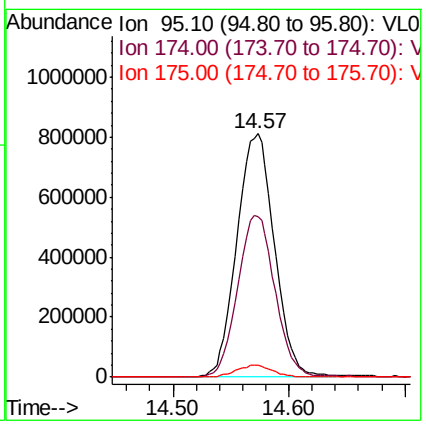


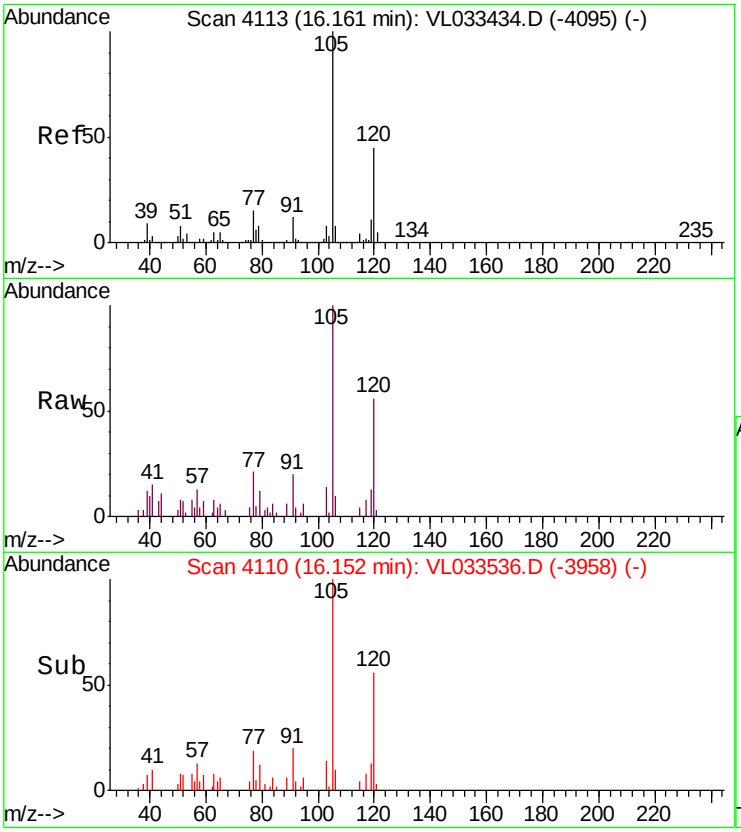


#68
1-Bromo-4-Fluorobenzene
Concen: 9.739 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion: 95 Resp: 1829119

Ion	Ratio	Lower	Upper
95	100		
174	66.1	52.9	79.3
175	4.9	3.8	5.6



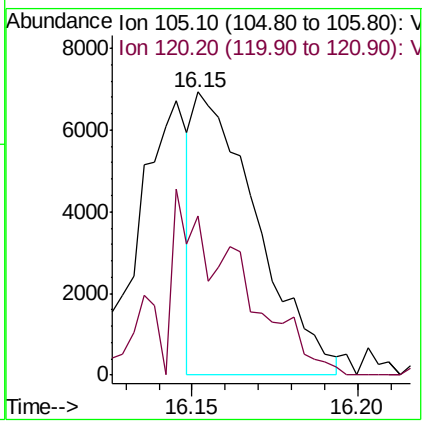


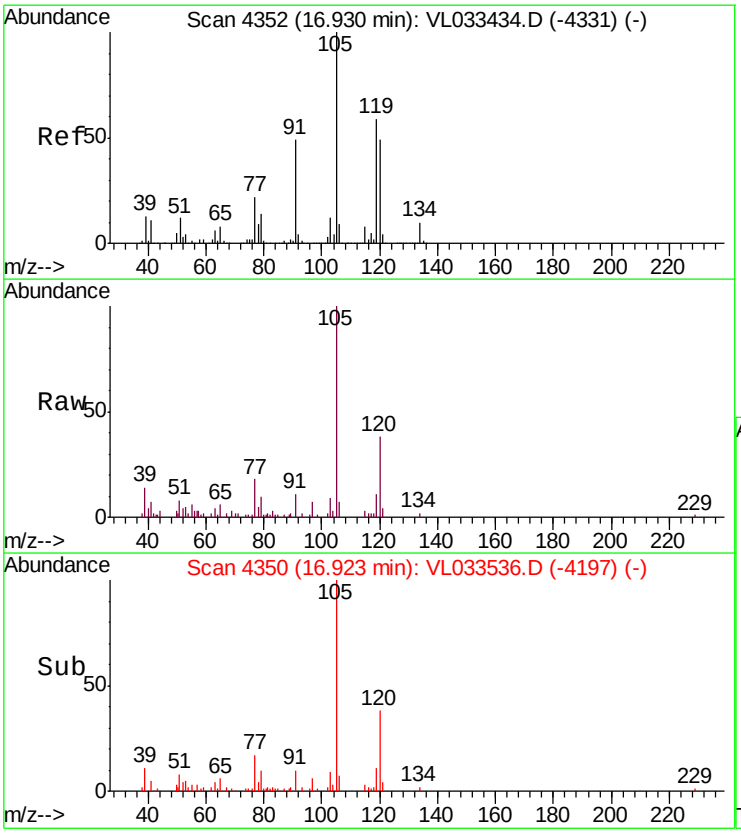
#73
1,3,5-Trimethylbenzene
Concen: 0.031 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Instrument :
MSVOA_L
ClientSampleId :
A-1DUP

Tgt Ion:105 Resp: 9181

Ion	Ratio	Lower	Upper
105	100		
120	60.1	35.7	53.5#





#74
1,2,4-Trimethylbenzene
Concen: 0.183 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033536.D
Acq: 4 Apr 2019 17:04

Tgt Ion:105 Resp: 58353

Ion	Ratio	Lower	Upper
105	100		
120	39.7	39.0	58.6
91	9.4	40.0	60.0#
77	17.4	17.5	26.3#