Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032519\
Data File : VL033456.D
Acq On : 26 Mar 2019 4:07
Operator : SY/AP
Sample : K1991-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4

Quant Time: Mar 26 07:21:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 05:43:39 2019
QLast Update : Tue Mar 26 05:43:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	678620	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1585611	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1634543	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1253517	9.78	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	31229	0.316	ppbv		96
3) Chlorodifluoromethane	2.99	51	72246	0.925	ppbv	#	71
4) Chloromethane	3.17	50	25758	0.623	ppbv		99
9) Propene	3.05	41	33550	1.023	ppbv	#	73
10) Heptane	8.25	43	9963	0.121	ppbv		93
11) Trichlorofluoromethane	4.00	101	31027	0.254	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.54	101	3267	0.040	ppbv	#	14
13) Ethanol	3.65	45	95632	11.264	ppbv		68
15) Acetone	3.89	43	2303120	28.225	ppbv		97
16) 1,3-Butadiene	3.34	39	1685	0.052	ppbv	#	34
17) tert-Butyl alcohol	4.37	59	10424	0.695	ppbv	#	73
19) Isopropyl Alcohol	4.03	45	14694	0.285	ppbv	#	95
20) Methylene Chloride	4.40	84	46151	1.332	ppbv	#	87
23) Vinyl Acetate	5.15	43	3633	0.031	ppbv	#	49
25) Ethyl Acetate	5.78	43	71383	0.472	ppbv	#	92
26) Hexane	5.78	57	61328	0.911	ppbv	#	59
27) Carbon Disulfide	4.62	76	3974	0.050	ppbv	#	64
30) Cyclohexane	7.24	84	3372	0.063	ppbv	#	1
34) 2-Butanone	5.33	43	174539	1.832	ppbv		99
35) Carbon Tetrachloride	7.13	117	7342	0.065	ppbv		88
36) Benzene	7.00	78	10882	0.082	ppbv	#	92
39) 1,2-Dichloropropane	7.29	63	400377	7.682	ppbv	#	23
41) Tetrahydrofuran	6.16	42	13550	0.259	ppbv		92
53) Toluene	9.94	91	600975	3.887	ppbv		100
58) Ethyl Benzene	12.86	91	12694	0.058	ppbv		94
59) m/p-Xylene	13.15	91	9301	0.048	ppbv	#	100
60) o-Xylene	13.85	91	21121	0.112	ppbv		99
61) Styrene	13.69	104	5082	0.039	ppbv	#	26
74) 1,2,4-Trimethylbenzene	16.93	105	5420	0.025	ppbv	#	60
80) Naphthalene,2-methyl-	25.11	142	1381	0.022	ppbv	#	75

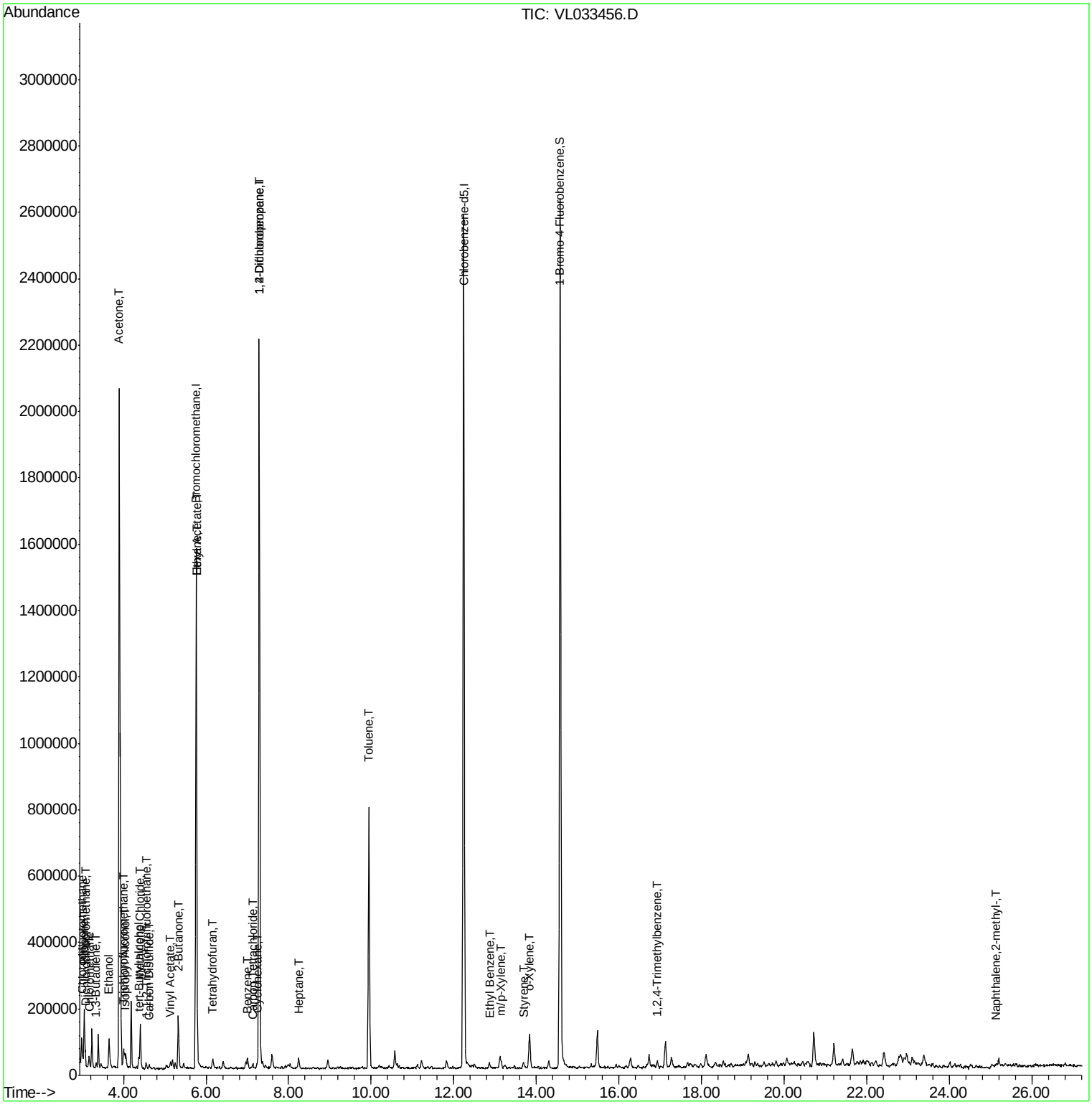
(#) = qualifier out of range (m) = manual integration (+) = signals summed

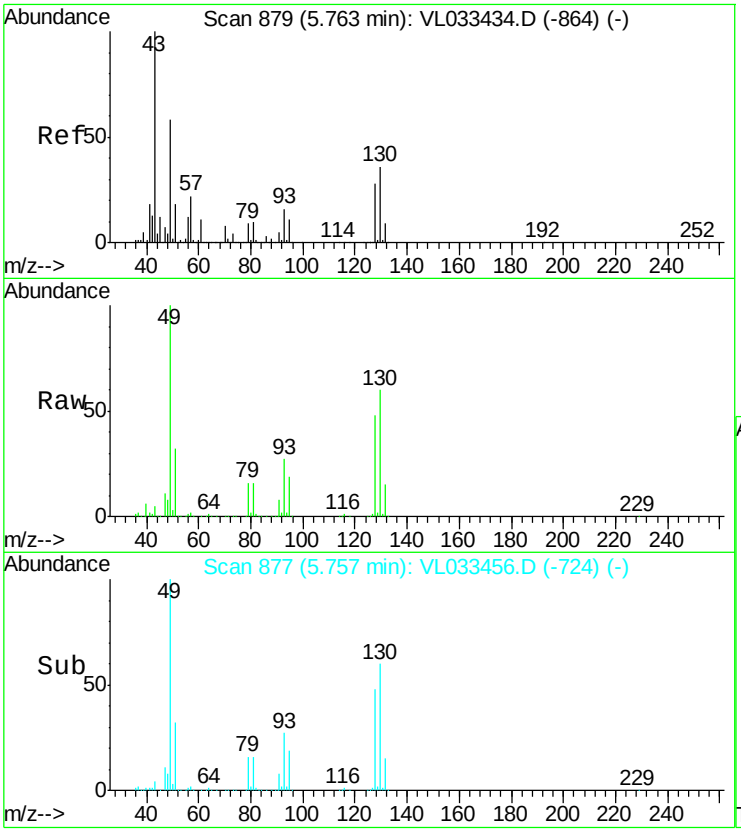
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032519\
Data File : VL033456.D
Acq On : 26 Mar 2019 4:07
Operator : SY/AP
Sample : K1991-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4

Quant Time: Mar 26 07:21:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 05:43:39 2019
QLast Update : Tue Mar 26 05:43:39 2019
Response via : Initial Calibration



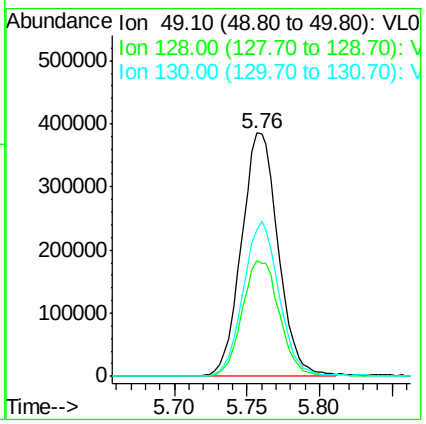


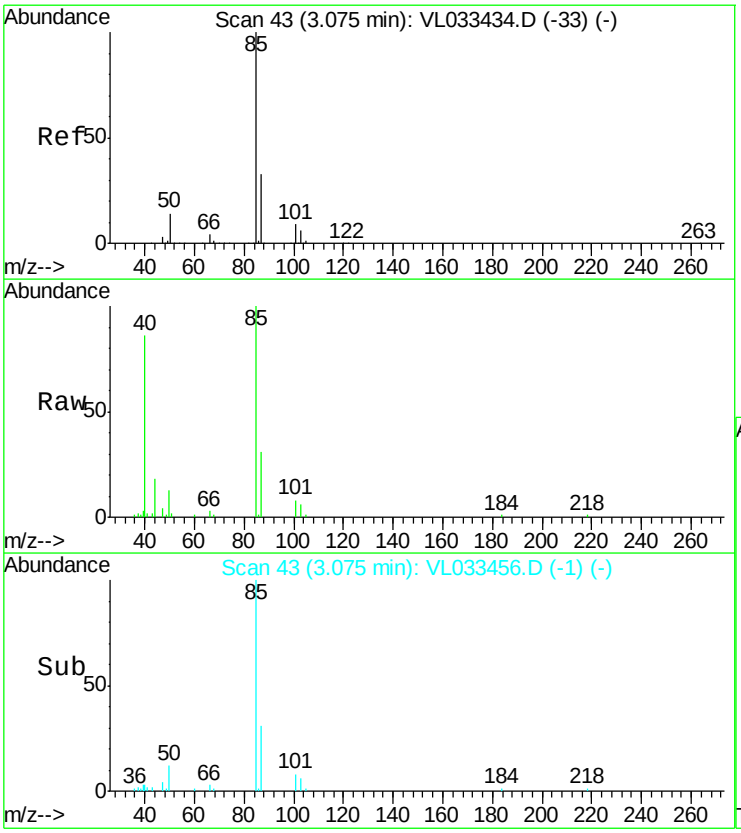
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 49 Resp: 678620

Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.0	72.0
130	62.9	31.2	93.6

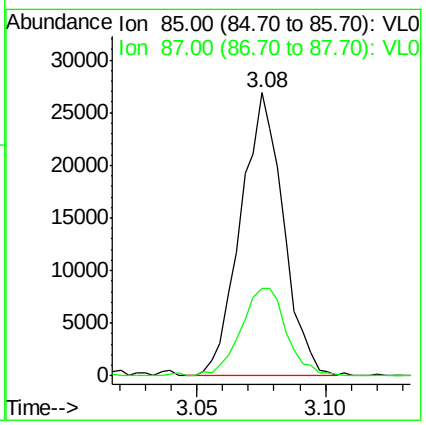


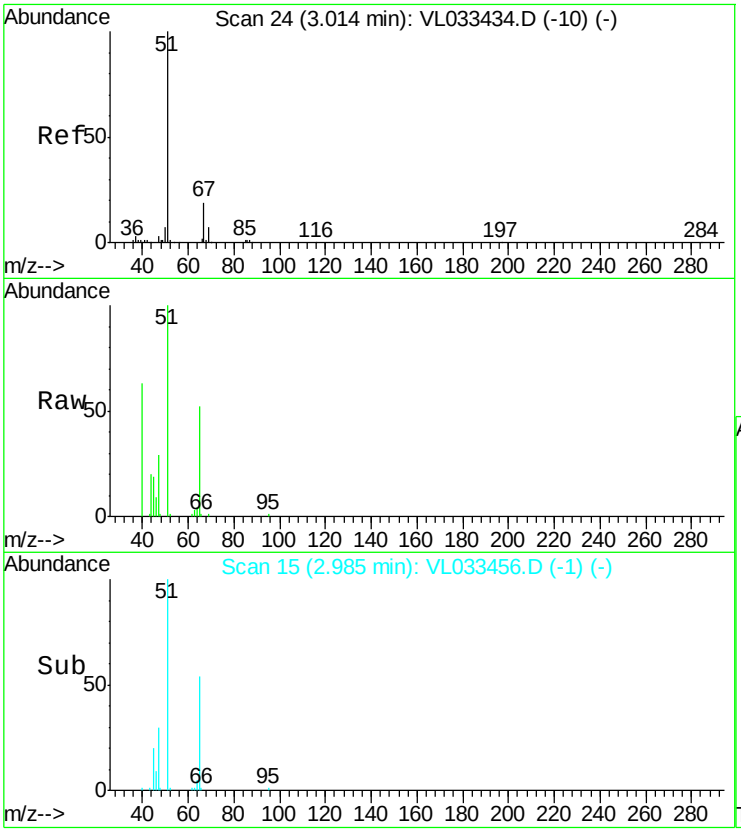


#2
Dichlorodifluoromethane
Concen: 0.316 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 85 Resp: 31229

Ion	Ratio	Lower	Upper
85	100		
87	31.0	26.7	40.1



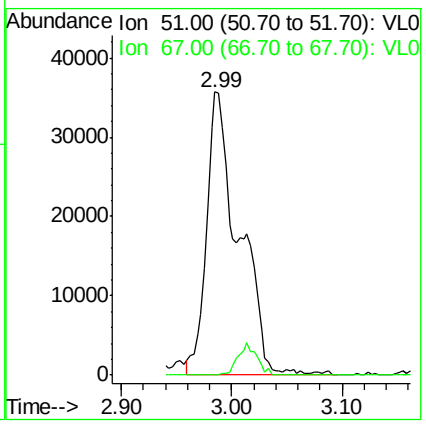


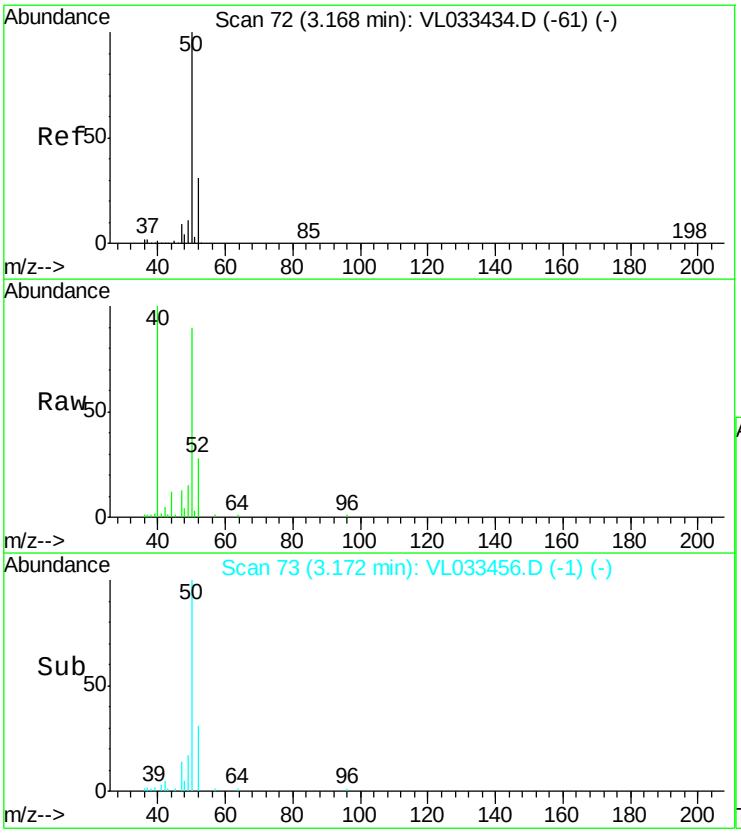
#3
Chlorodifluoromethane
Concen: 0.925 ppbv
RT: 2.99 min Scan# 15
Delta R.T. -0.03 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 51 Resp: 72246

Ion	Ratio	Lower	Upper
51	100		
67	6.6	15.7	23.5#

Instrument :
MSVOA_L
ClientSampleId :
IA-4

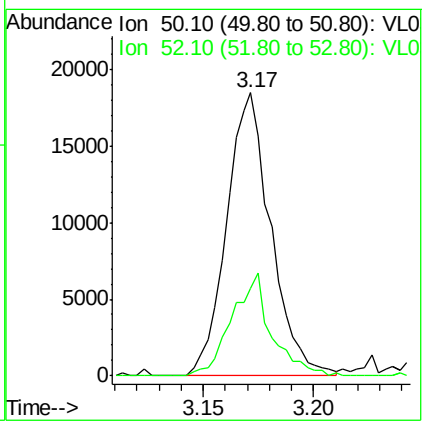


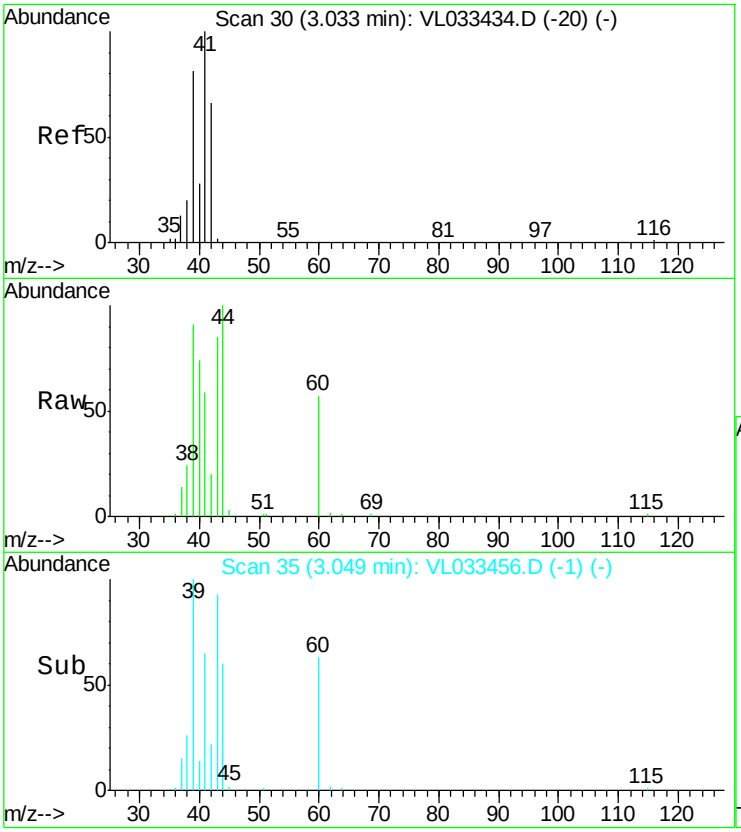


#4
Chloromethane
Concen: 0.623 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 50 Resp: 25758

Ion	Ratio	Lower	Upper
50	100		
52	30.8	25.0	37.6



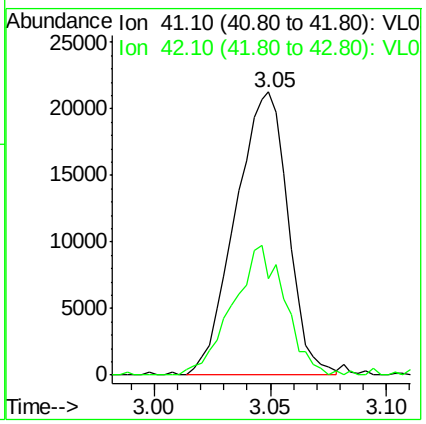


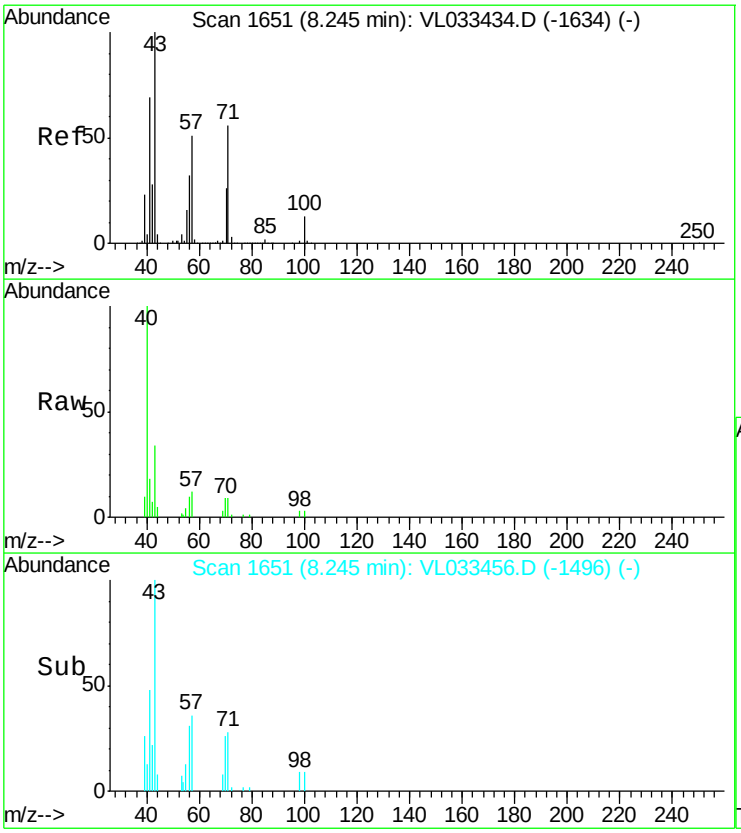
#9
Propene
Concen: 1.023 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.02 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 41 Resp: 33550

Ion	Ratio	Lower	Upper
41	100		
42	45.8	53.9	80.9#

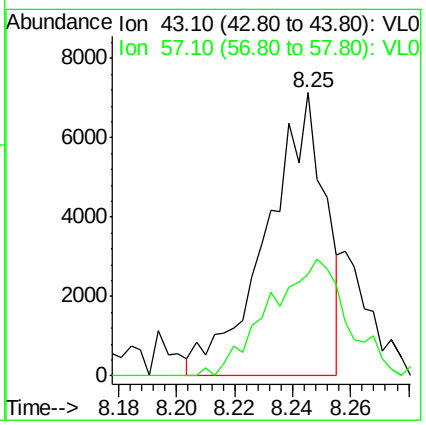


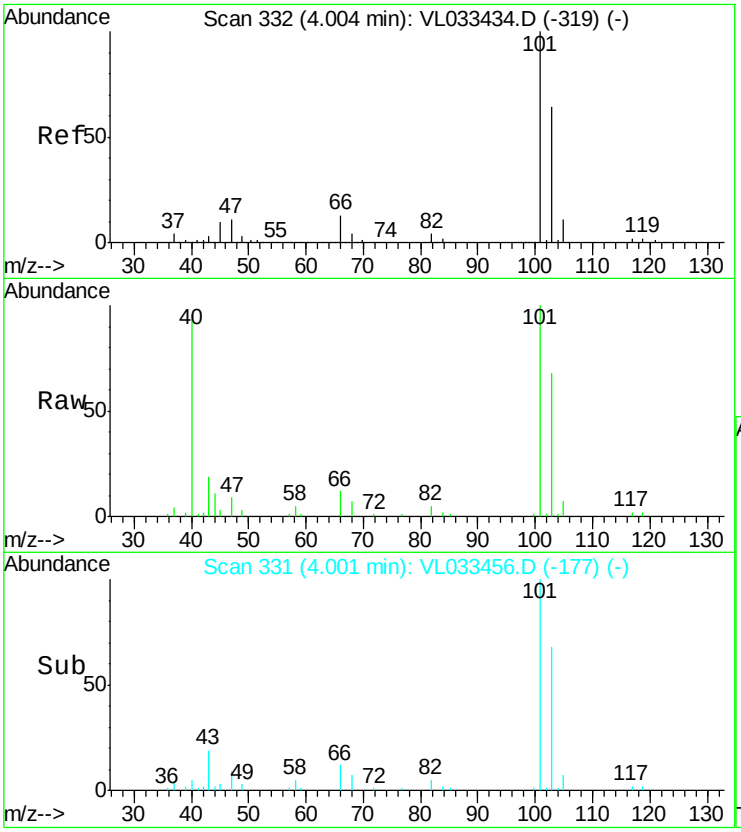


#10
Heptane
Concen: 0.121 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 43 Resp: 9963

Ion	Ratio	Lower	Upper
43	100		
57	55.3	40.6	60.8



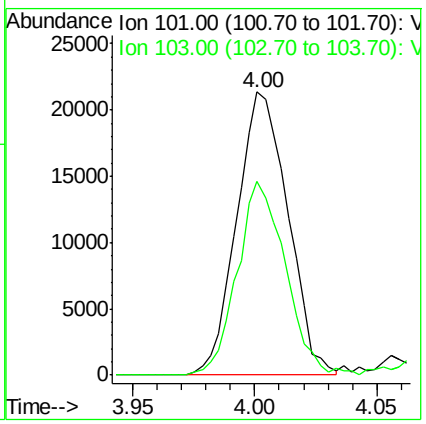


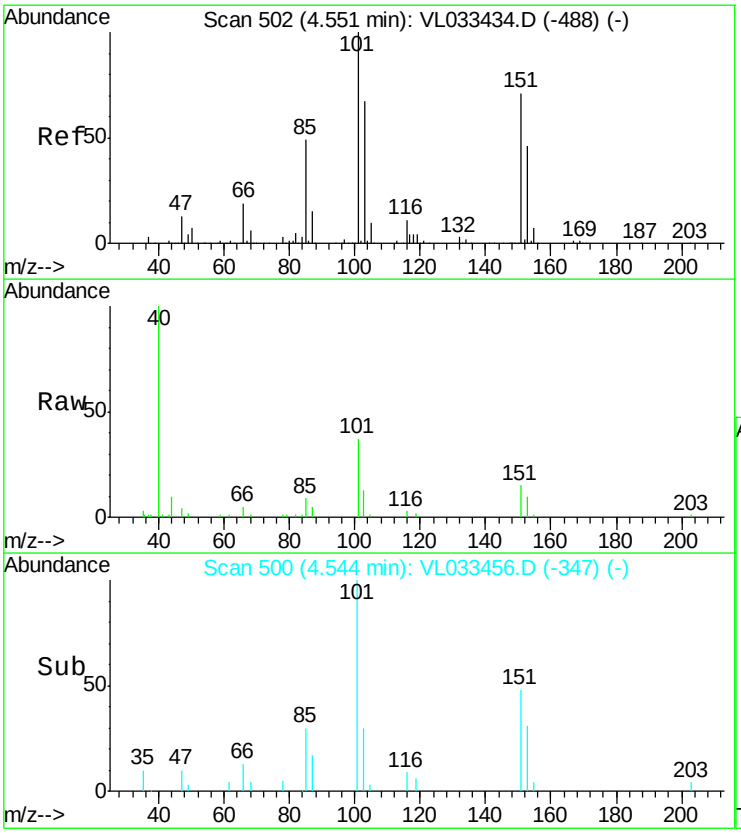
#11
Trichlorofluoromethane
Concen: 0.254 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion:101 Resp: 31027

Ion	Ratio	Lower	Upper
101	100		
103	68.3	51.3	76.9

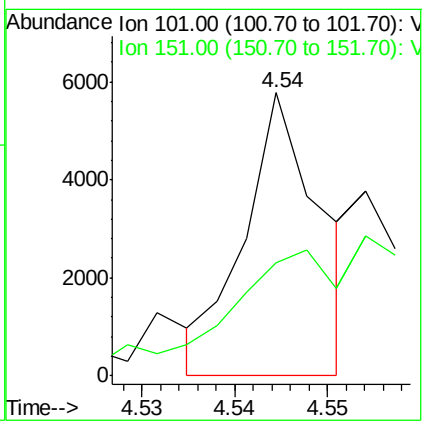


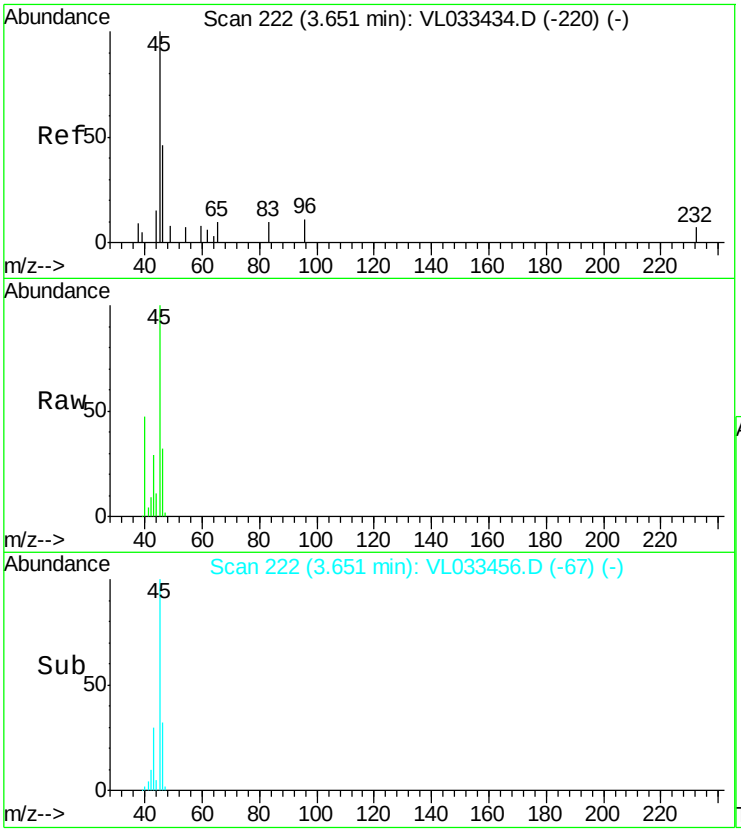


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion:101 Resp: 3267

Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.7	86.5#



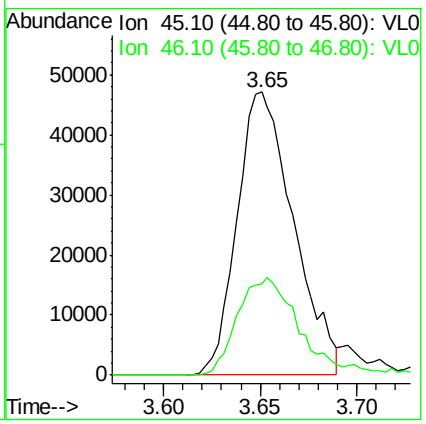


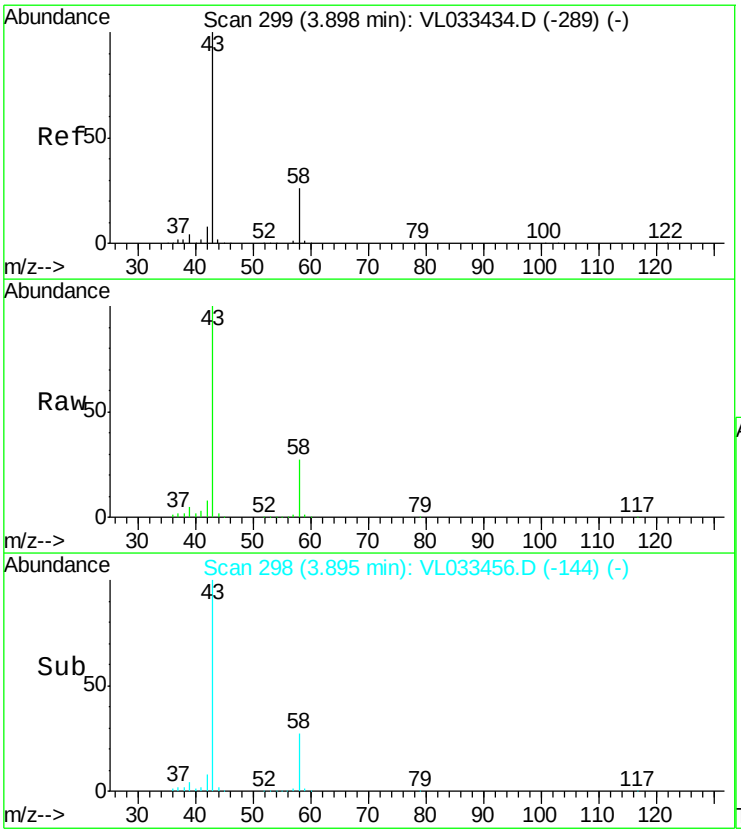
#13
Ethanol
Concen: 11.264 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 45 Resp: 95632

Ion	Ratio	Lower	Upper
45	100		
46	38.6	25.4	101.8

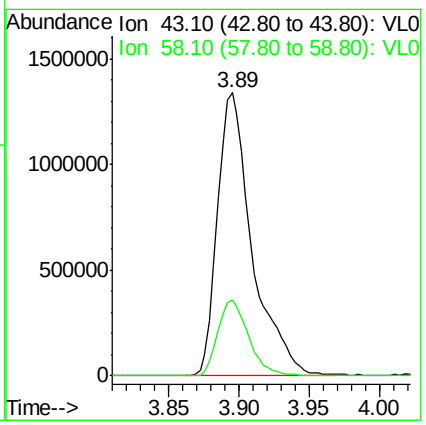


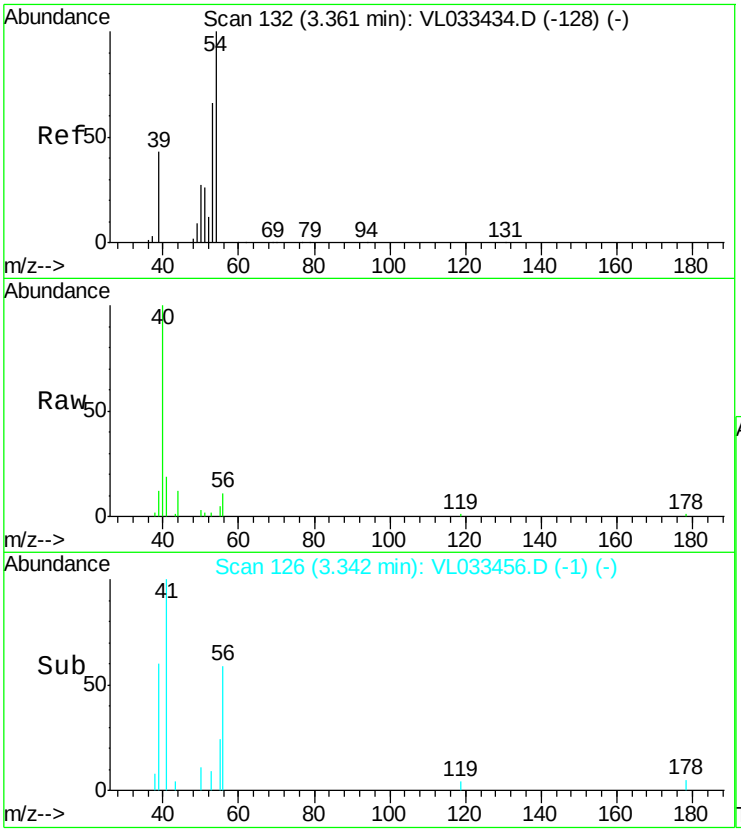


#15
Acetone
Concen: 28.225 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 43 Resp: 2303120

Ion	Ratio	Lower	Upper
43	100		
58	24.1	20.5	30.7



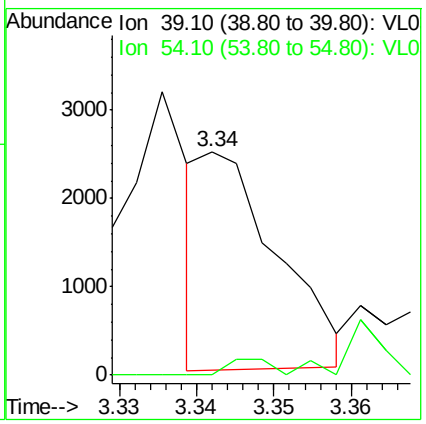


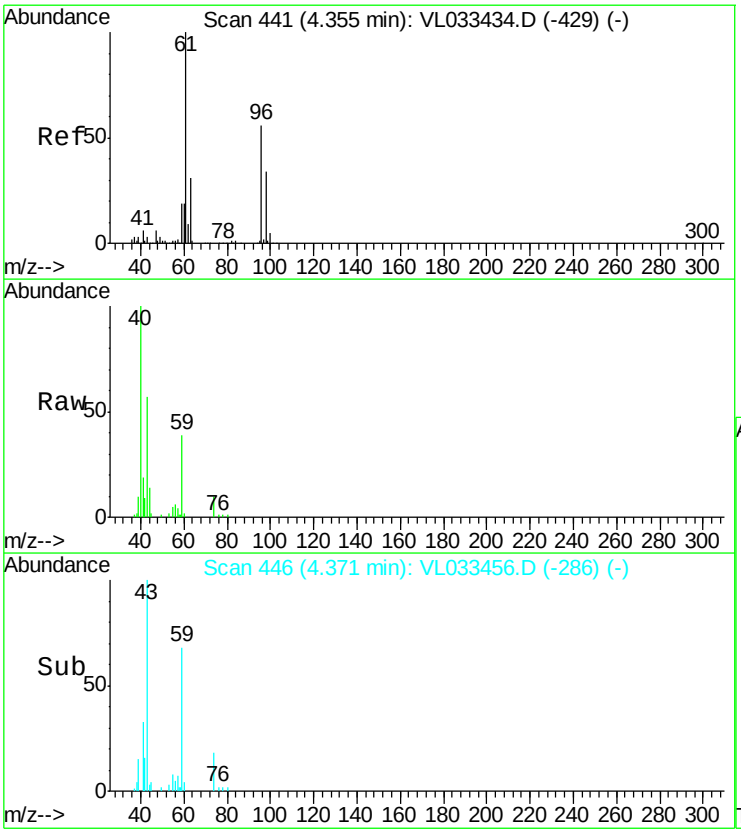
#16
1,3-Butadiene
Concen: 0.052 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 39 Resp: 1685

Ion	Ratio	Lower	Upper
39	100		
54	25.6	69.4	104.2#

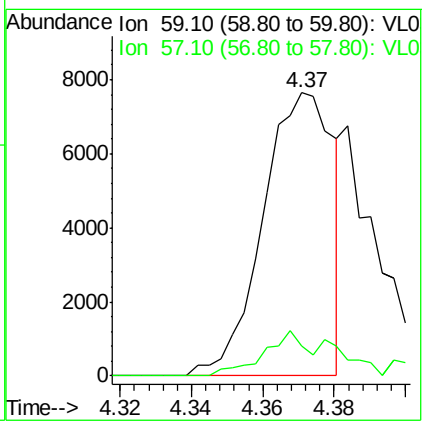


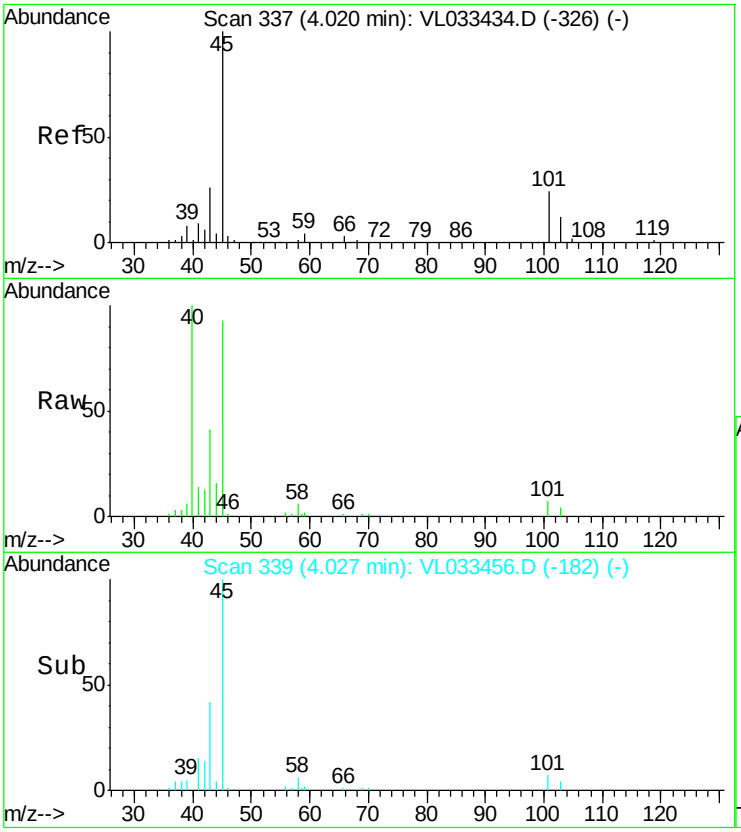


#17
tert-Butyl alcohol
Concen: 0.695 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 59 Resp: 10424

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



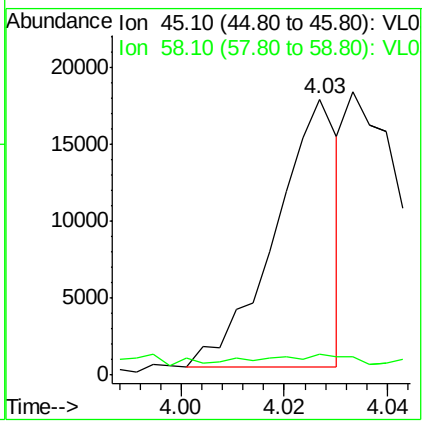


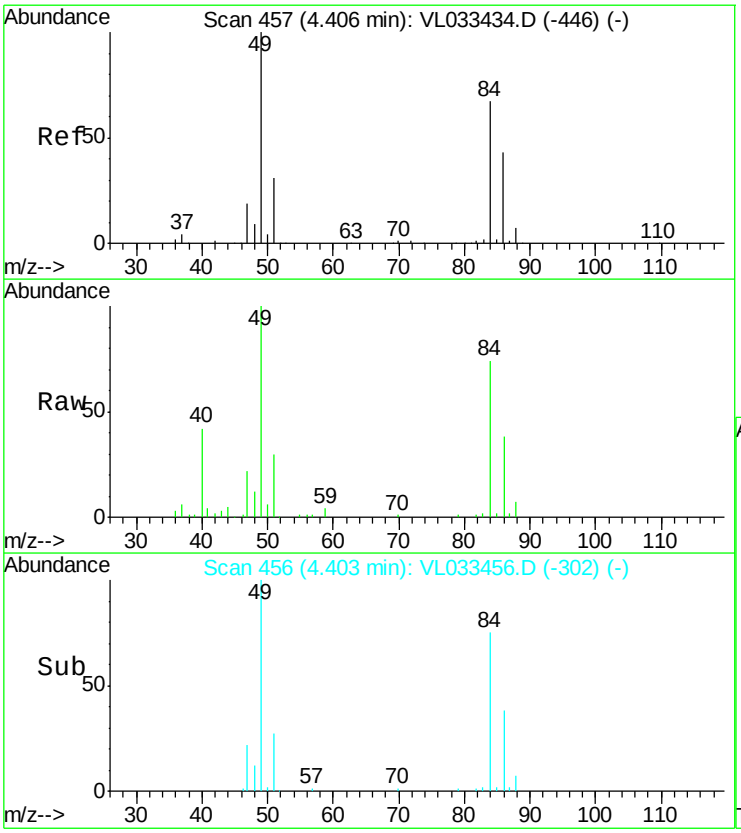
#19
Isopropyl Alcohol
Concen: 0.285 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 45 Resp: 14694

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

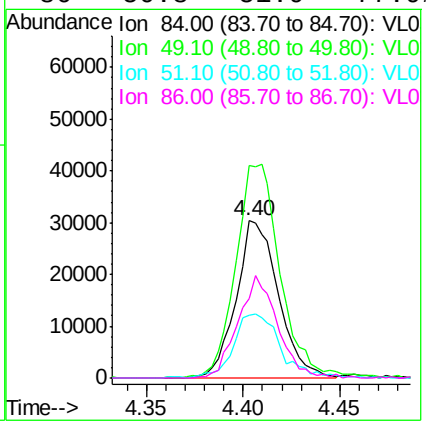


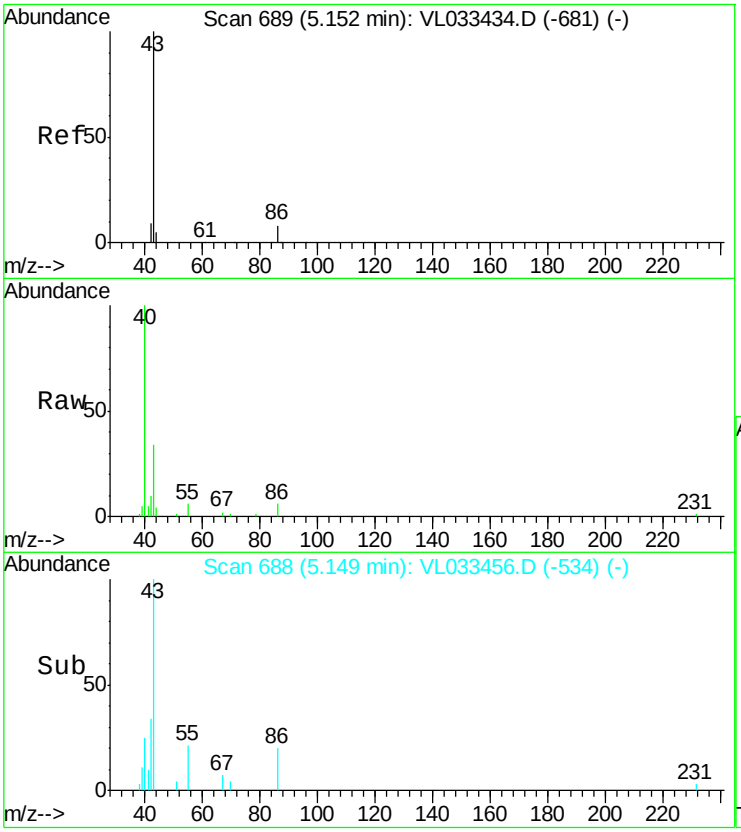


#20
Methylene Chloride
Concen: 1.332 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 84 Resp: 46151

Ion	Ratio	Lower	Upper
84	100		
49	134.4	120.0	180.0
51	40.4	36.7	55.1
86	50.8	51.9	77.9#



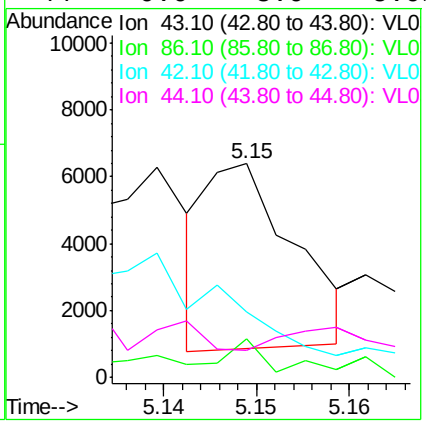


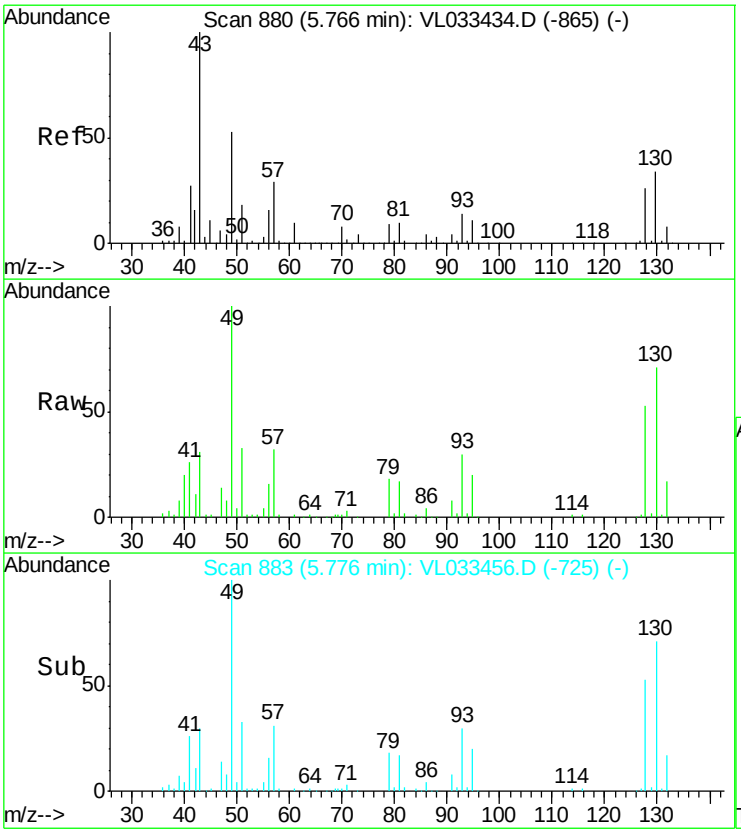
#23
Vinyl Acetate
Concen: 0.031 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 43 Resp: 3633

Ion	Ratio	Lower	Upper
43	100		
86	25.2	5.6	8.4#
42	35.3	8.0	12.0#
44	0.0	3.9	5.9#

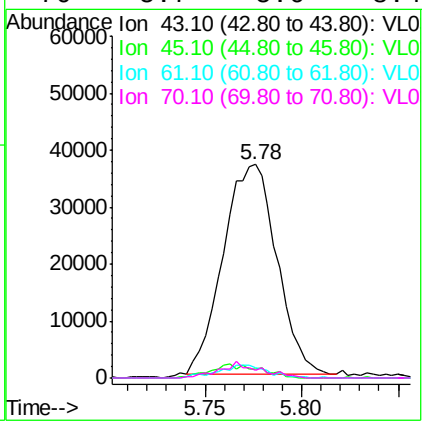


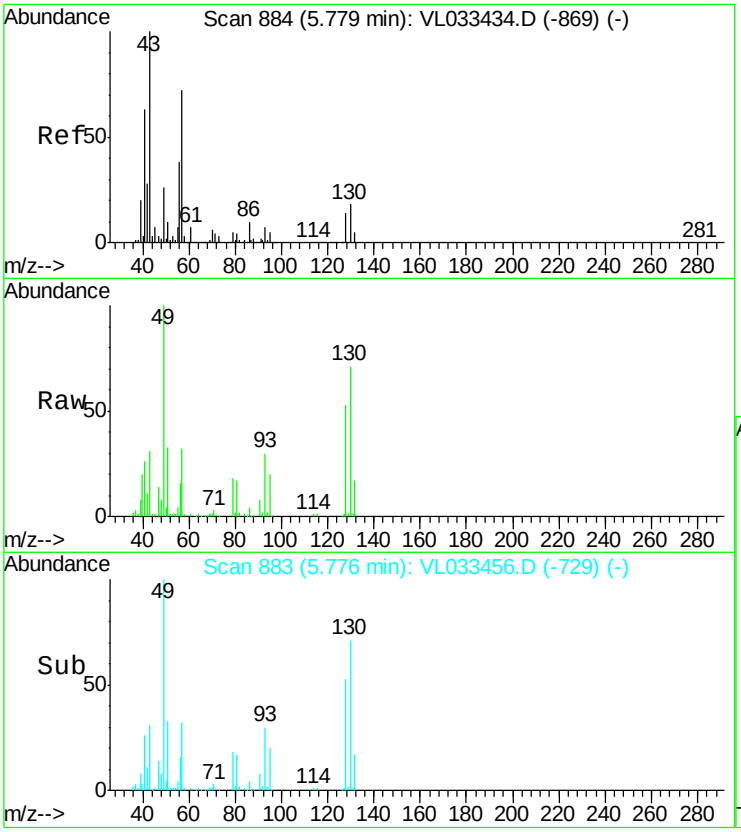


#25
Ethyl Acetate
Concen: 0.472 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 43 Resp: 71383

Ion	Ratio	Lower	Upper
43	100		
45	6.1	7.8	11.6#
61	5.8	7.3	10.9#
70	5.7	5.6	8.4



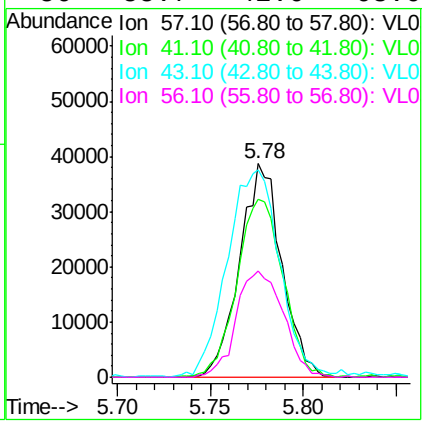


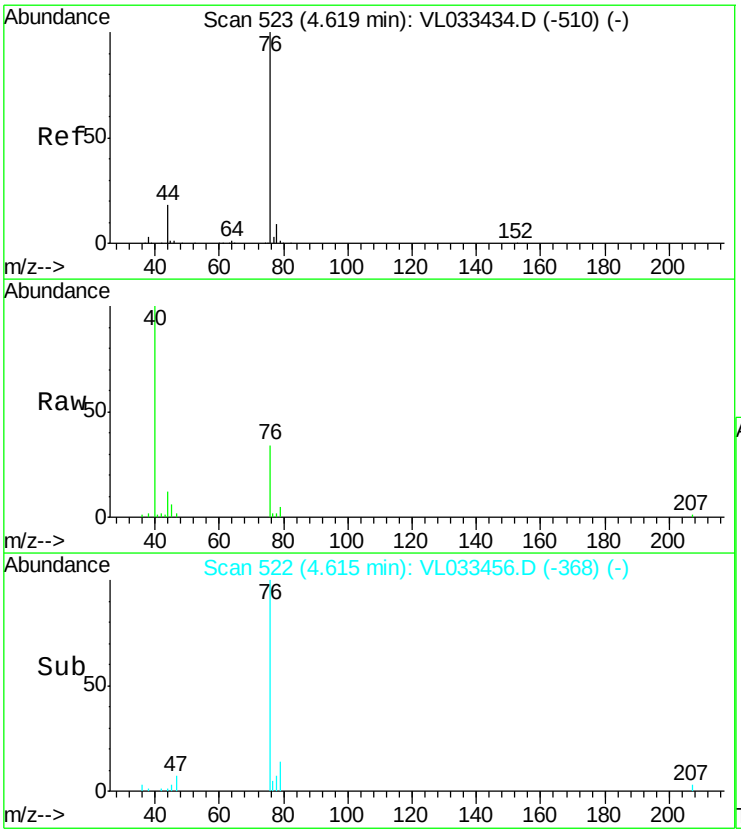
#26
Hexane
Concen: 0.911 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 57 Resp: 61328

Ion	Ratio	Lower	Upper
57	100		
41	91.8	70.7	106.1
43	122.4	182.6	274.0#
56	55.7	42.0	63.0

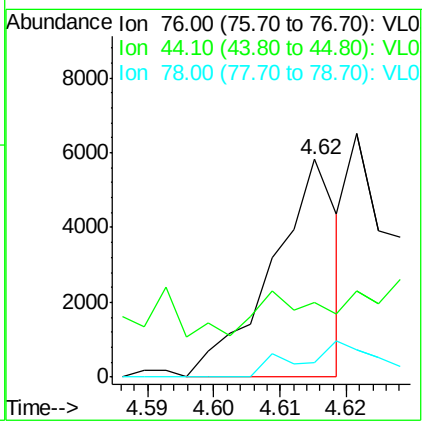


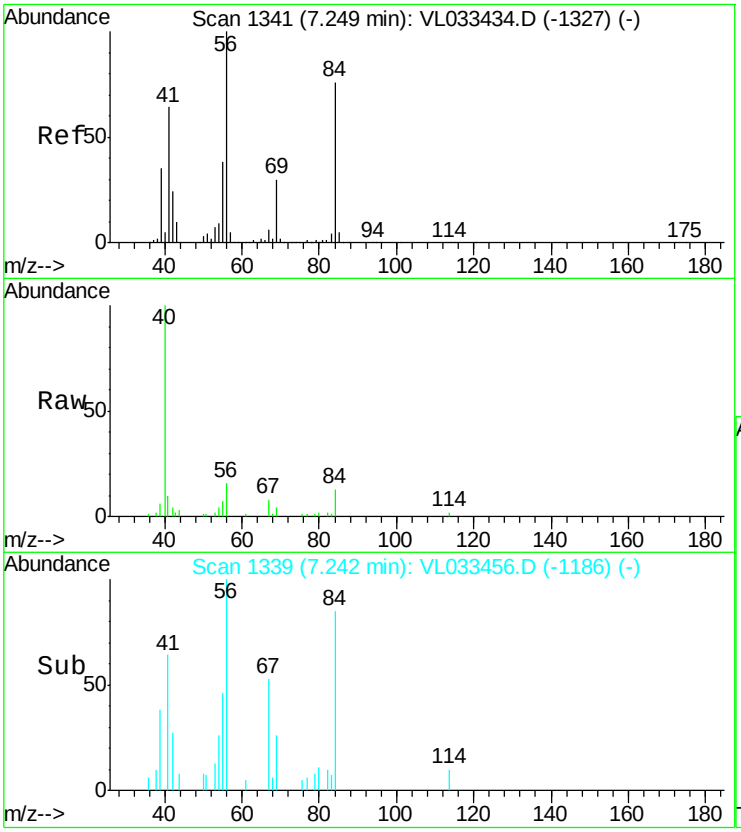


#27
Carbon Disulfide
Concen: 0.050 ppbv
RT: 4.62 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 76 Resp: 3974

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.8	22.2#
78	0.0	7.6	11.4#



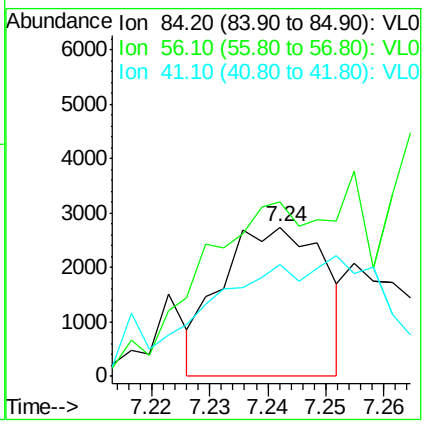


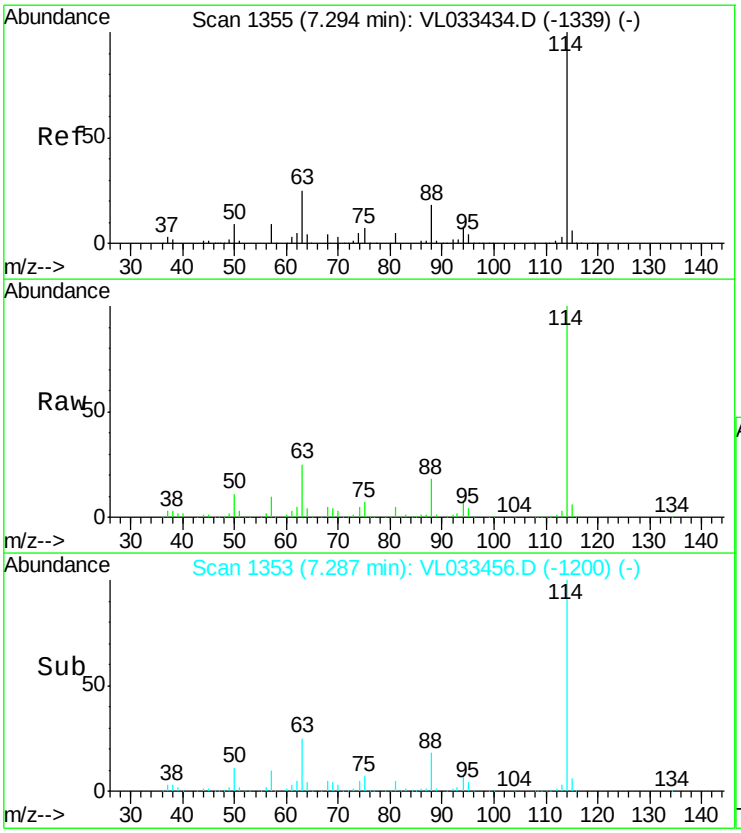
#30
Cyclohexane
Concen: 0.063 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 84 Resp: 3372

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

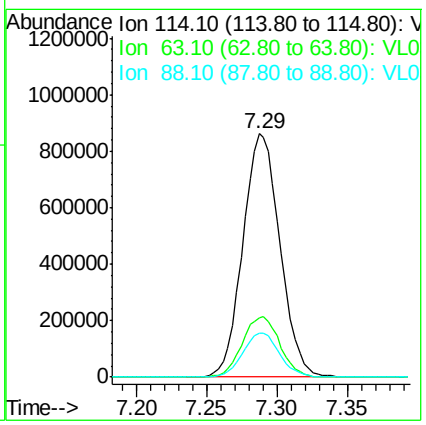


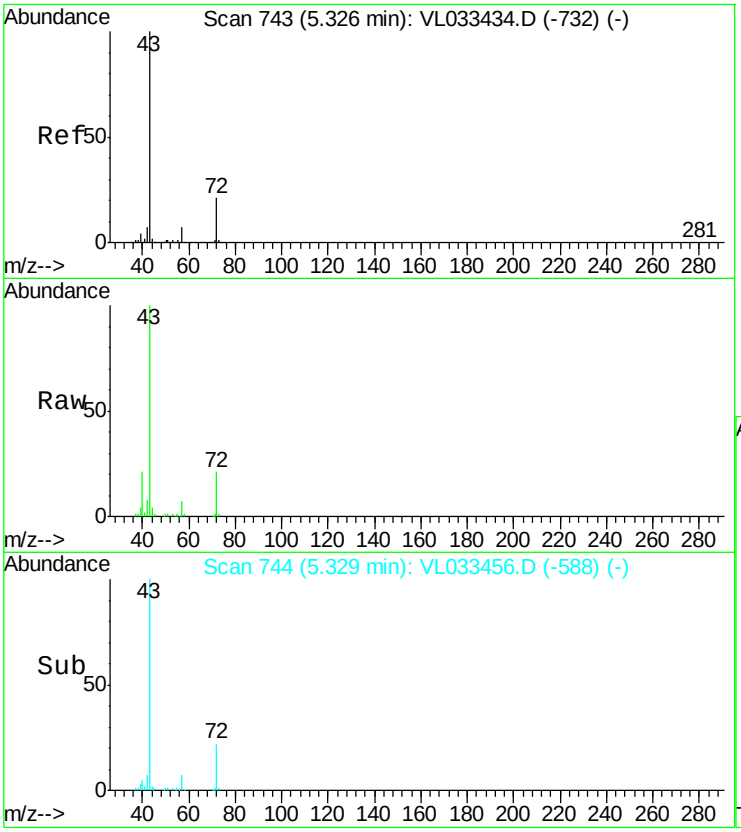


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion:114 Resp: 1585611

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.5	32.3
88	17.9	14.5	21.7



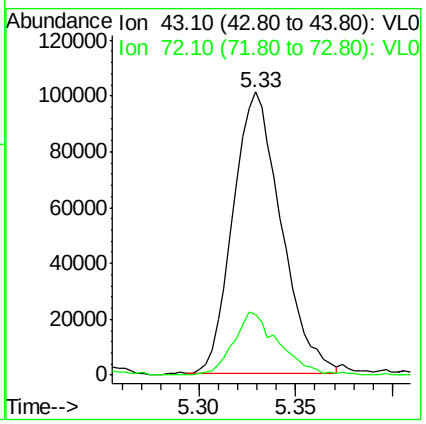


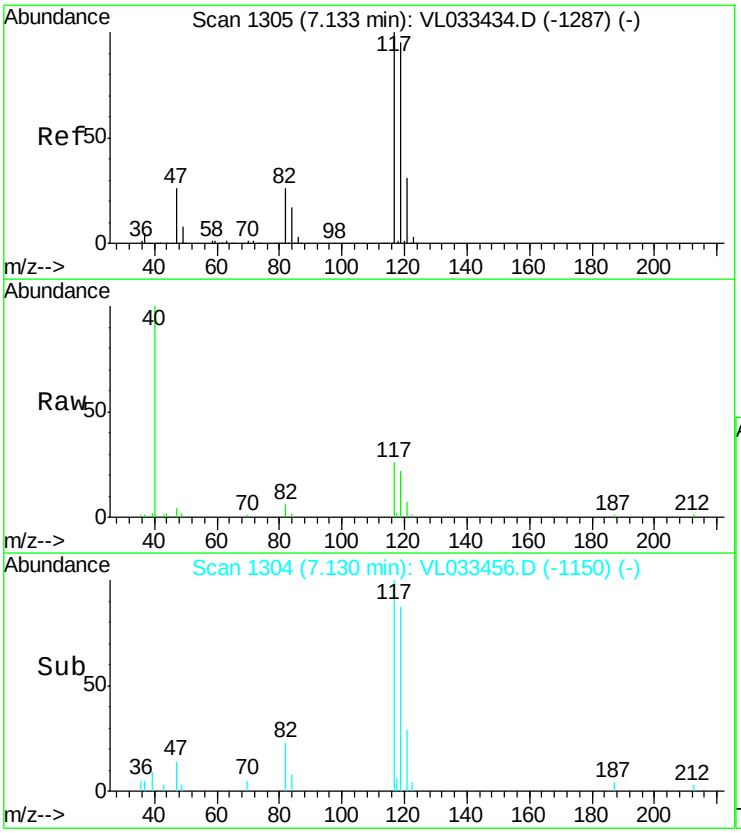
#34
2-Butanone
Concen: 1.832 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 43 Resp: 174539

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.4	26.2

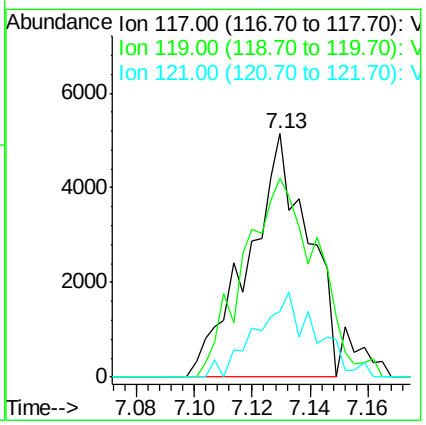


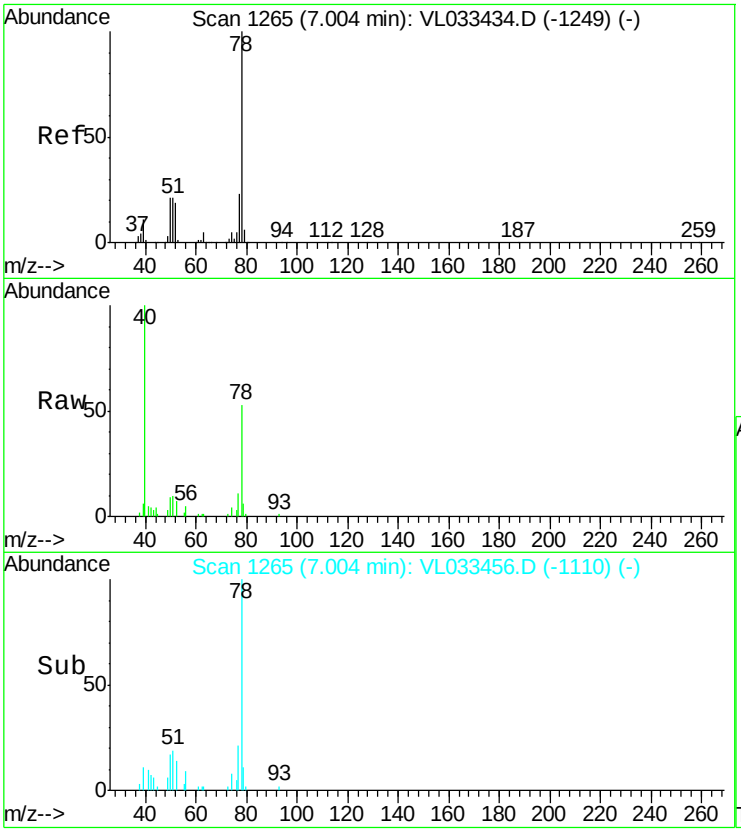


#35
Carbon Tetrachloride
Concen: 0.065 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion:117 Resp: 7342

Ion	Ratio	Lower	Upper
117	100		
119	81.6	75.8	113.8
121	27.0	24.7	37.1



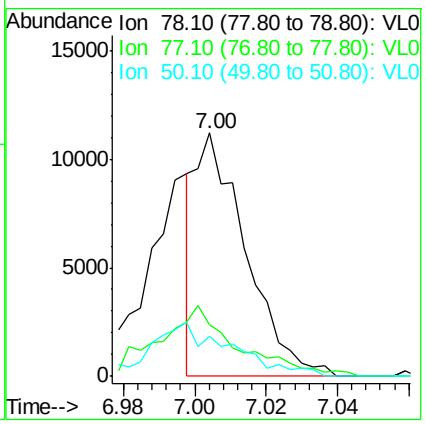


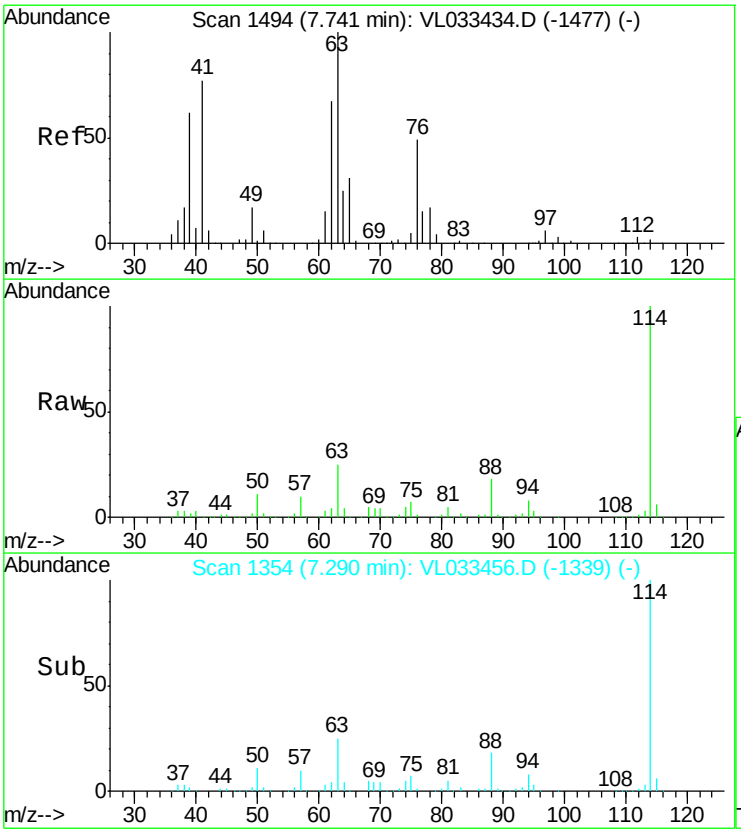
#36
Benzene
Concen: 0.082 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 78 Resp: 10882

Ion	Ratio	Lower	Upper
78	100		
77	18.9	18.1	27.1
50	16.5	16.7	25.1#

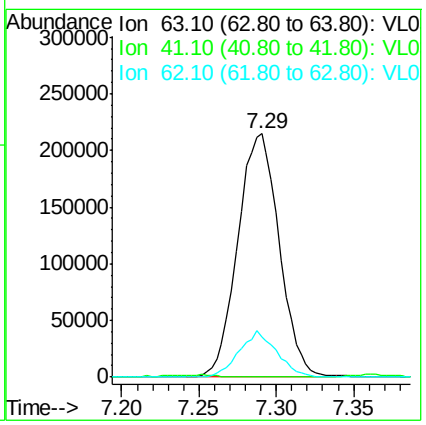


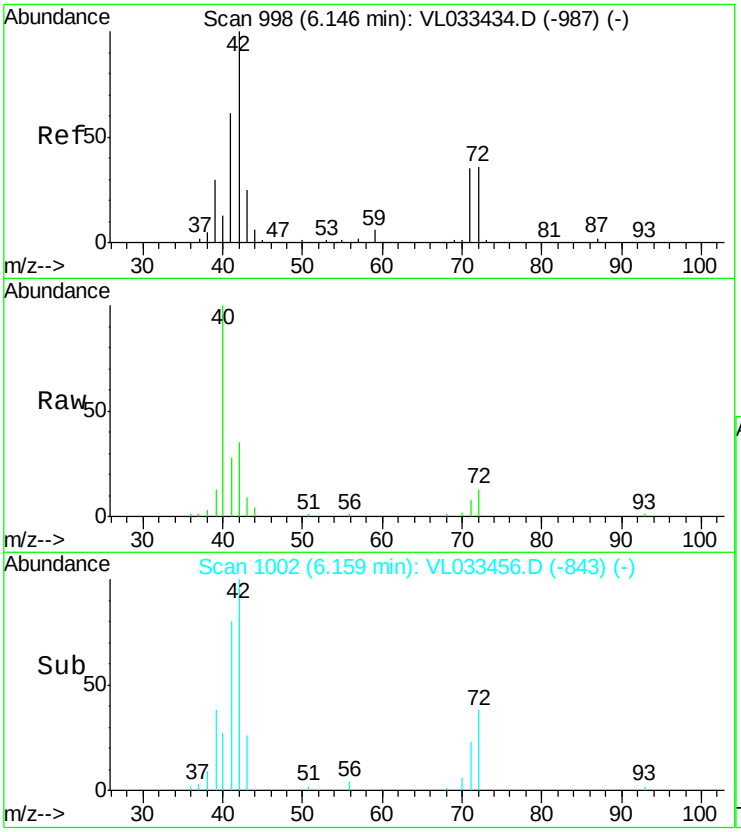


#39
1,2-Dichloropropane
Concen: 7.682 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 63 Resp: 400377

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	16.3	54.0	81.0#



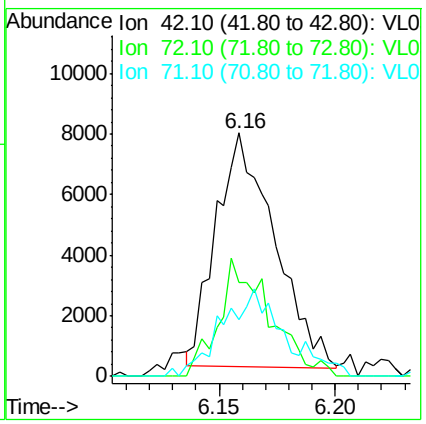


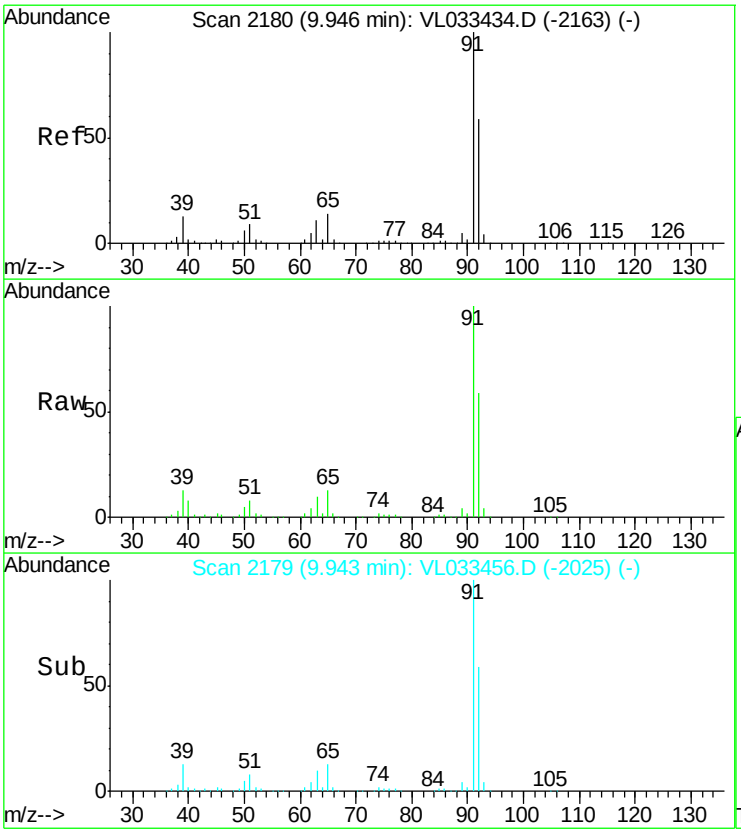
#41
Tetrahydrofuran
Concen: 0.259 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion: 42 Resp: 13550

Ion	Ratio	Lower	Upper
42	100		
72	43.9	30.2	45.2
71	40.1	29.4	44.2

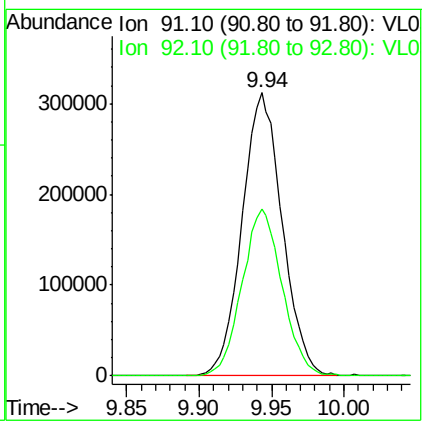


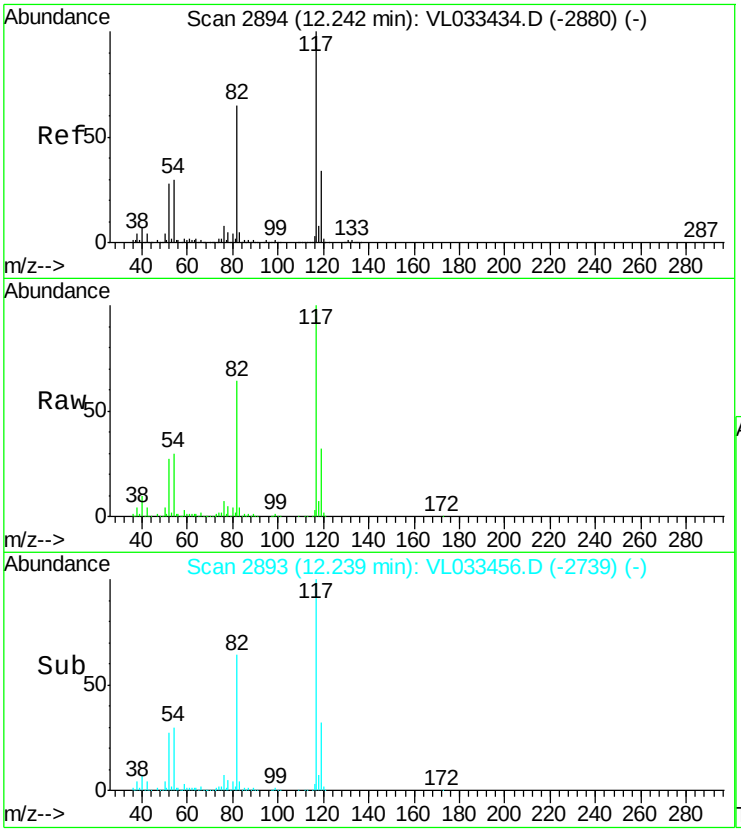


#53
Toluene
Concen: 3.887 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 91 Resp: 600975

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.4	71.0



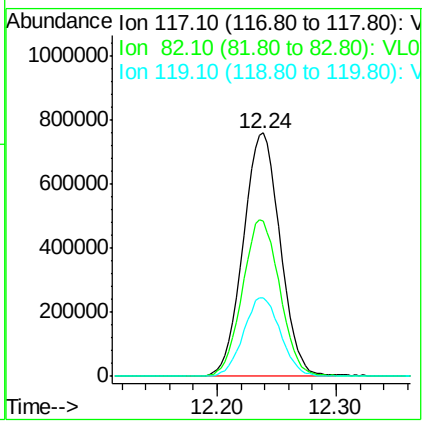


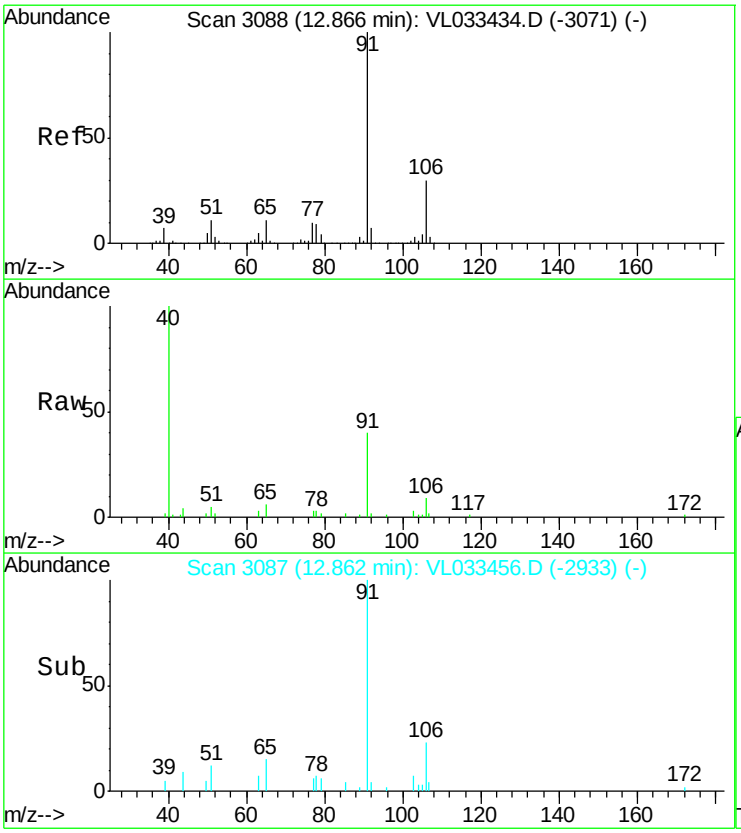
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion:117 Resp: 1634543

Ion	Ratio	Lower	Upper
117	100		
82	65.3	51.5	77.3
119	32.5	25.5	38.3

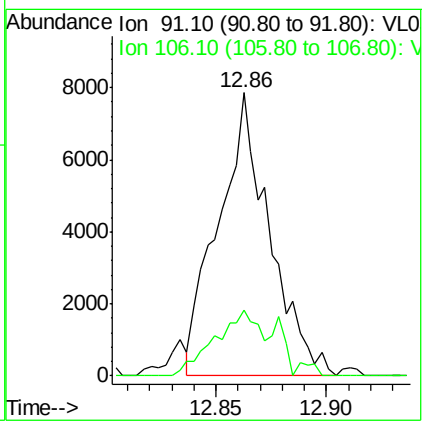


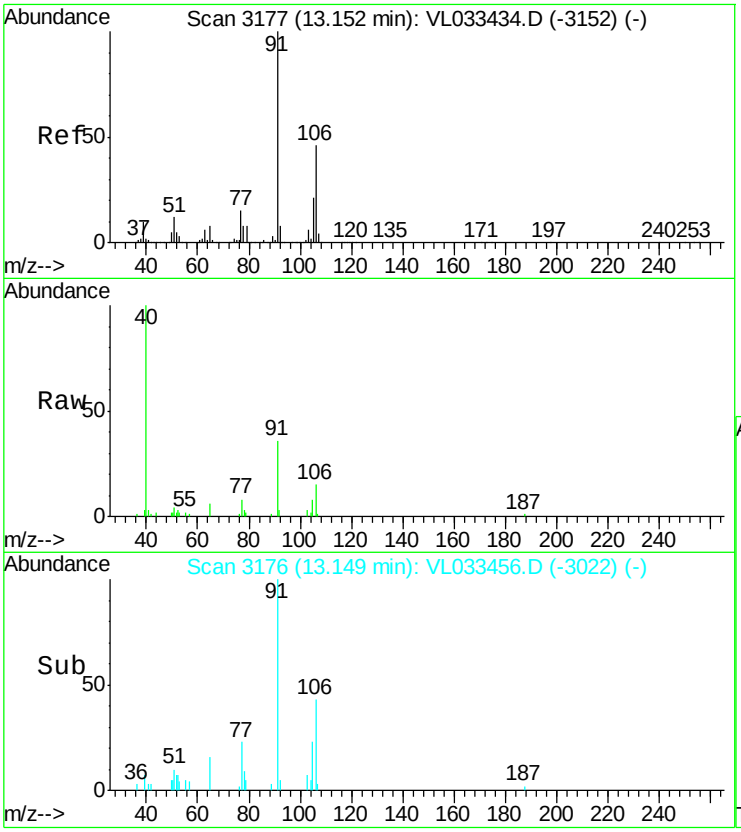


#58
Ethyl Benzene
Concen: 0.058 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 91 Resp: 12694

Ion	Ratio	Lower	Upper
91	100		
106	26.6	23.8	35.6



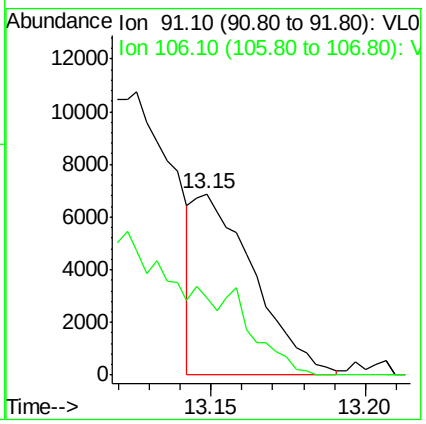


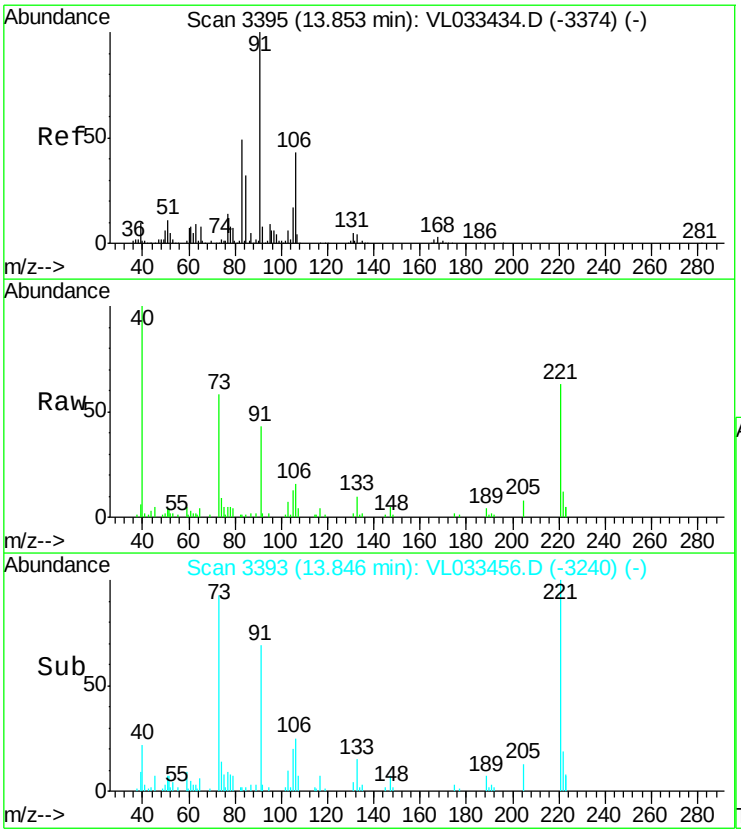
#59
m/p-Xylene
Concen: 0.048 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 91 Resp: 9301

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

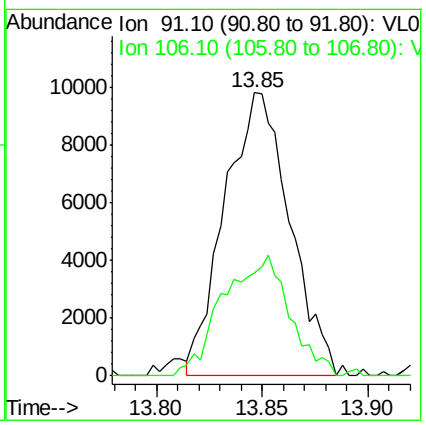


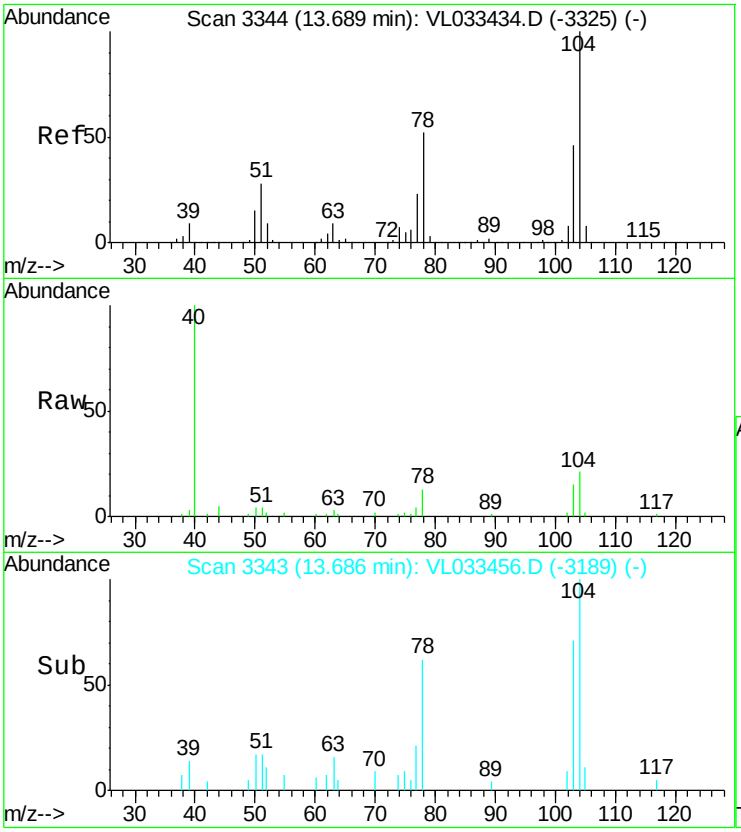


#60
o-Xylene
Concen: 0.112 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 91 Resp: 21121

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.4	64.3



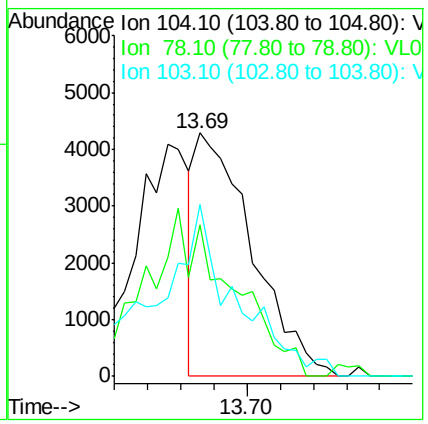


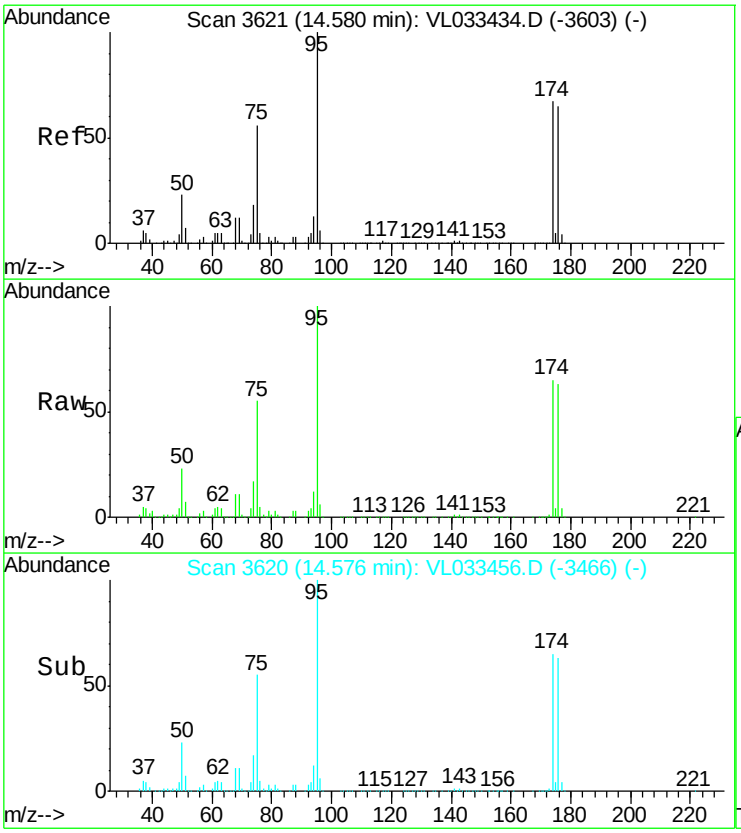
#61
Stvrene
Concen: 0.039 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument : MSVOA_L
ClientSampleId : IA-4

Tgt Ion:104 Resp: 5082

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.2	64.8#
103	95.8	37.8	56.8#

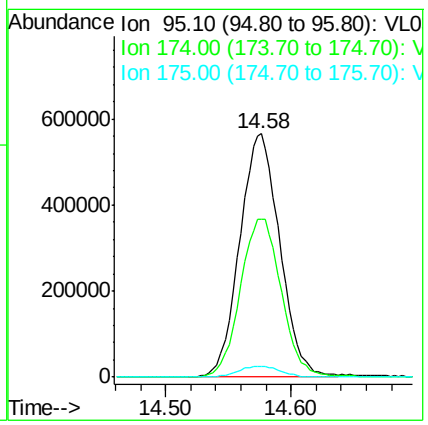


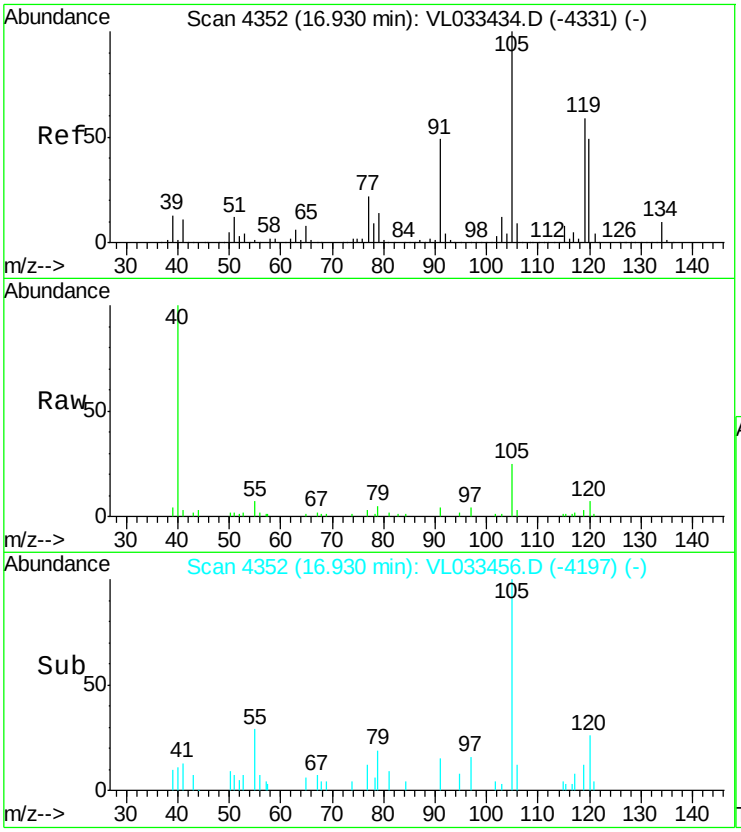


#68
1-Bromo-4-Fluorobenzene
Concen: 9.782 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion: 95 Resp: 1253517

Ion	Ratio	Lower	Upper
95	100		
174	67.0	52.9	79.3
175	4.7	3.8	5.6



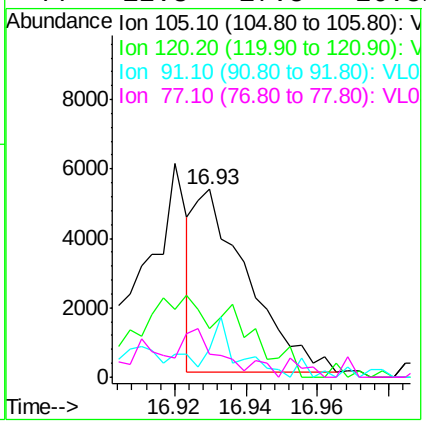


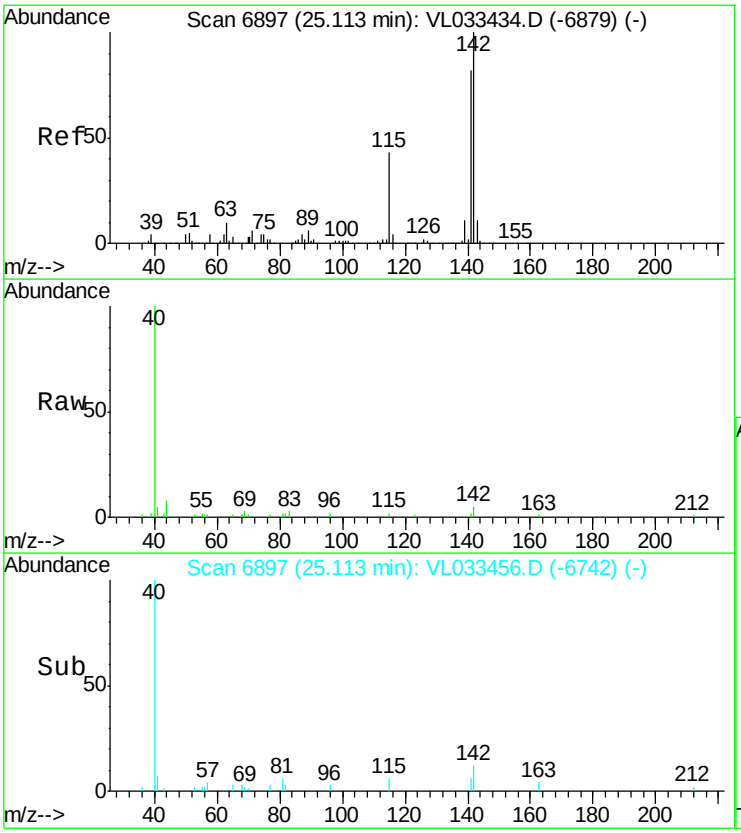
#74
1,2,4-Trimethylbenzene
Concen: 0.025 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion:105 Resp: 5420

Ion	Ratio	Lower	Upper
105	100		
120	23.1	39.0	58.6#
91	15.2	40.0	60.0#
77	12.8	17.5	26.3#





#80
Naphthalene,2-methyl-
Concen: 0.022 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033456.D
Acq: 26 Mar 2019 4:07

Tgt Ion:142 Resp: 1381

Ion	Ratio	Lower	Upper
142	100		
141	107.1	66.6	99.8#
115	29.1	34.4	51.6#