Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

Quantitation Report (Not Reviewed)

Data File : VL034744.D
Acq On : 28 Feb 2020 19:47
Operator : SY/AP
Sample : L1704-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Quant Time: Mar 02 04:35:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1048376	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2126003	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2120254	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1775680	10.21	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.10%			
Target Compounds						Qvalue
4) Chloromethane	3.10	50	1618	0.026	ppbv #	50
9) Propene	3.18	41	28083	0.594	ppbv	99
10) Heptane	8.14	43	35641	0.293	ppbv	93
11) Trichlorofluoromethane	3.93	101	5008	0.035	ppbv #	42
13) Ethanol	3.59	45	53637	3.590	ppbv	94
15) Acetone	3.83	43	1824940	15.276	ppbv	99
16) 1,3-Butadiene	3.28	39	1855	0.034	ppbv #	7
17) tert-Butyl alcohol	4.30	59	27519	0.301	ppbv #	71
19) Isopropyl Alcohol	3.97	45	7626	0.107	ppbv #	94
20) Methylene Chloride	4.33	84	101283	2.280	ppbv	94
23) Vinyl Acetate	5.06	43	425156	2.618	ppbv	97
25) Ethyl Acetate	5.68	43	20301	0.096	ppbv #	92
26) Hexane	5.68	57	40194	0.412	ppbv #	51
34) 2-Butanone	5.26	43	8645	0.065	ppbv #	83
36) Benzene	6.90	78	5679	0.031	ppbv #	58
39) 1,2-Dichloropropane	7.19	63	613911	8.404	ppbv #	25
52) Tetrachloroethene	11.26	164	31856	0.473	ppbv #	85
53) Toluene	9.83	91	975650	4.996	ppbv	97
59) m/p-Xylene	13.03	91	5538	0.025	ppbv #	32
60) o-Xylene	13.73	91	6594	0.030	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.80	105	5925	0.023	ppbv #	31

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

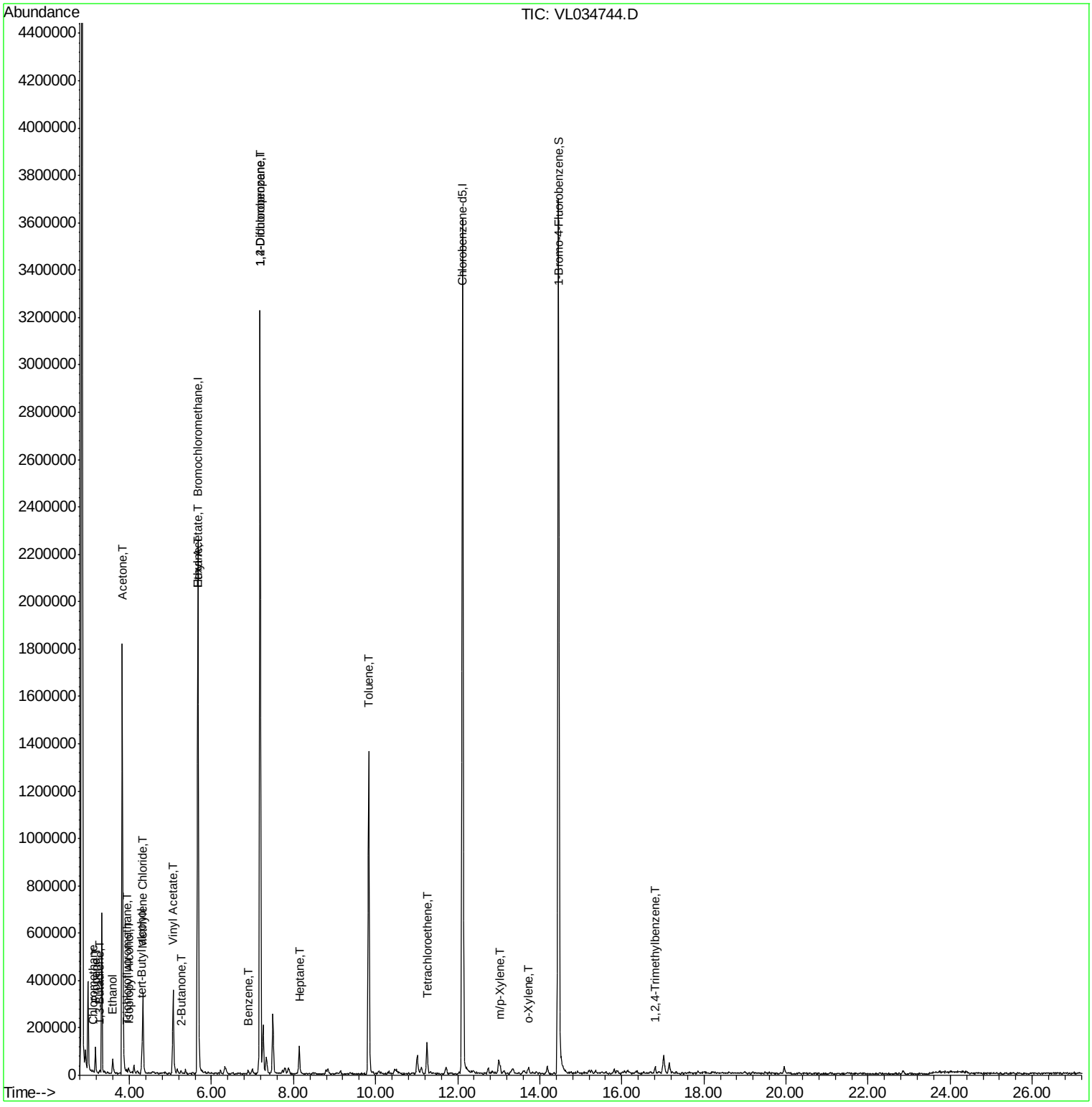
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

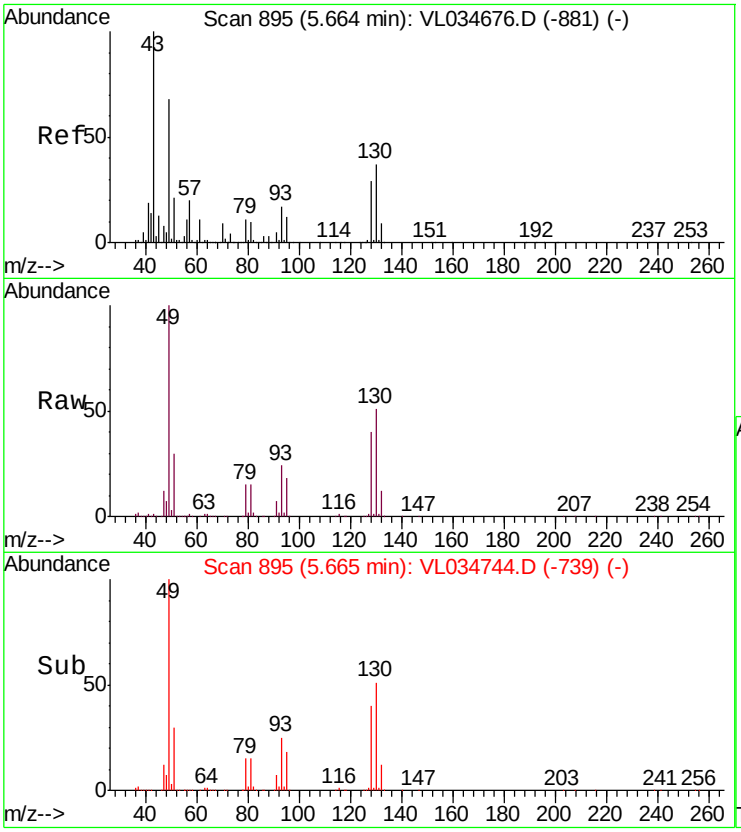
Quantitation Report (Not Reviewed)

Data File : VL034744.D
Acq On : 28 Feb 2020 19:47
Operator : SY/AP
Sample : L1704-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Quant Time: Mar 02 04:35:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration



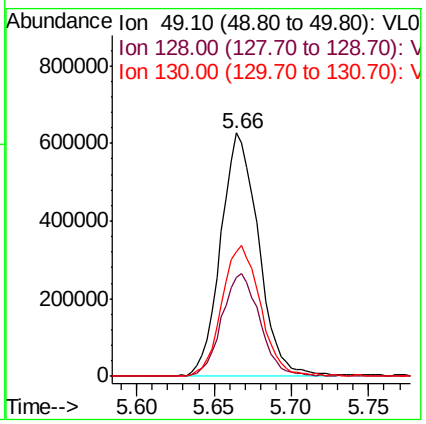


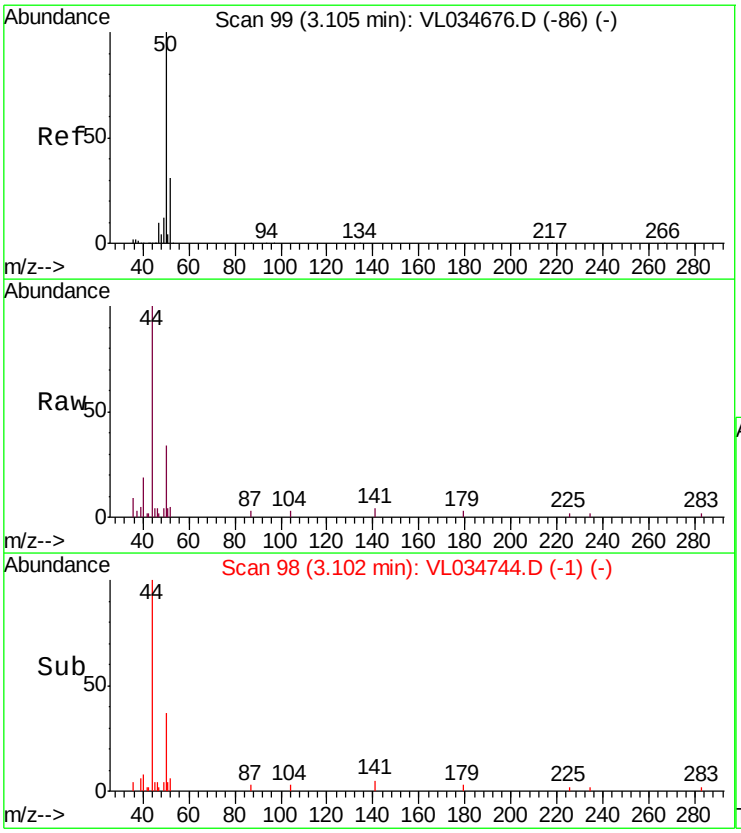
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tgt Ion: 49 Resp: 1048376

Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.6	65.0
130	55.9	27.7	83.1

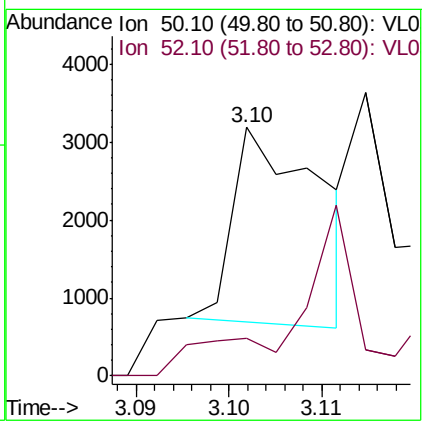


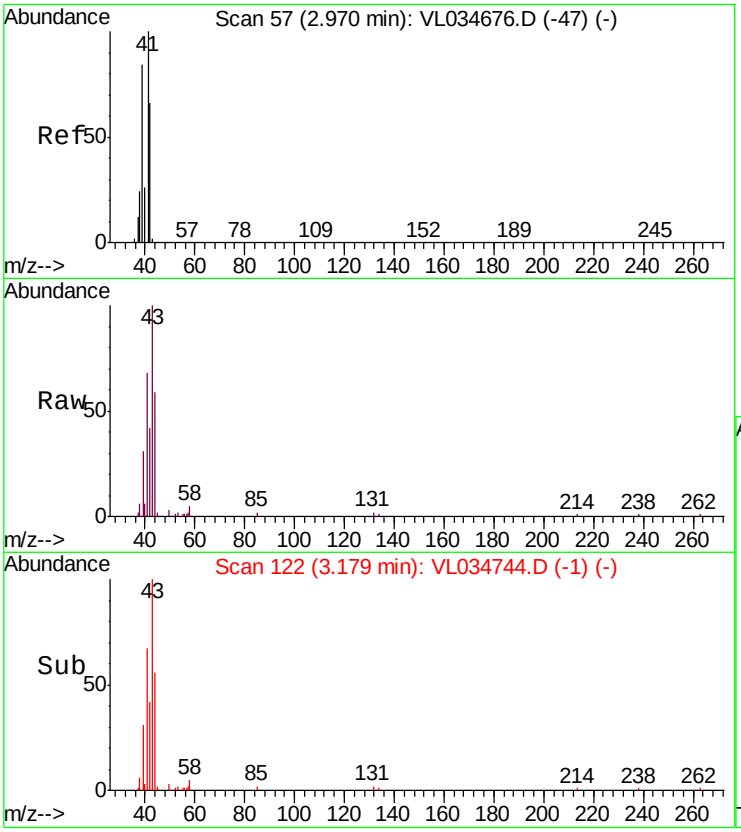


#4
Chloromethane
Concen: 0.026 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 50 Resp: 1618

Ion	Ratio	Lower	Upper
50	100		
52	3.5	25.0	37.4#



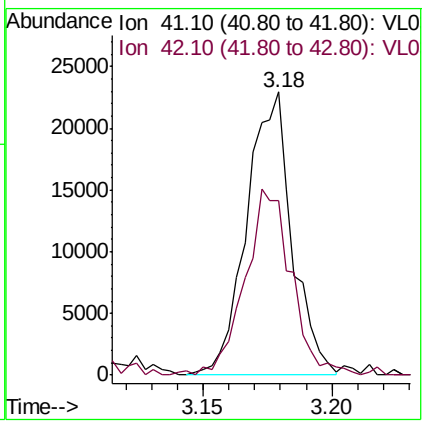


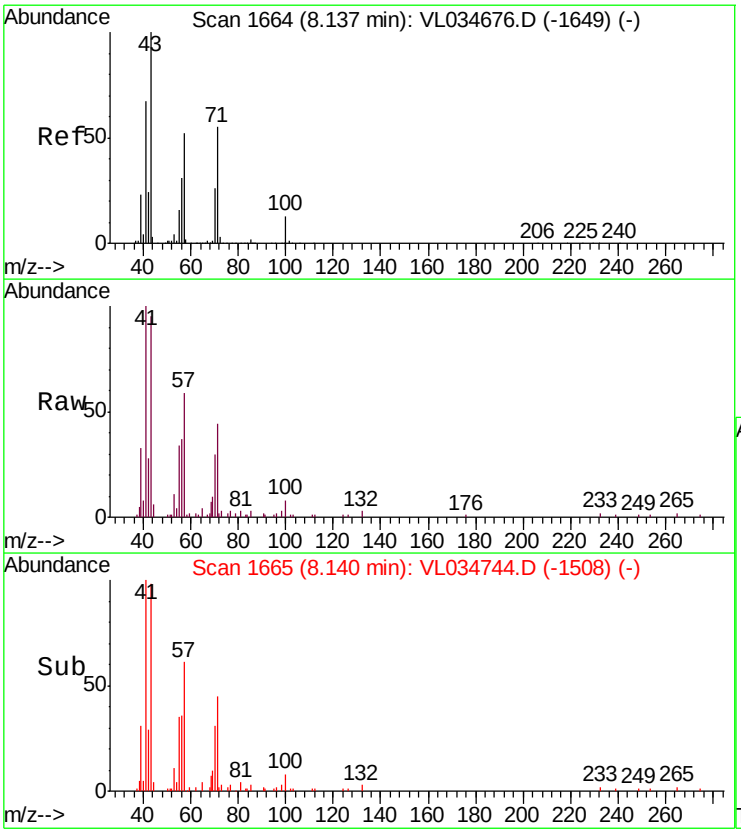
#9
Propene
Concen: 0.594 ppbv
RT: 3.18 min Scan# 122
Delta R.T. 0.21 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Tgt Ion: 41 Resp: 28083

Ion	Ratio	Lower	Upper
41	100		
42	67.6	54.9	82.3

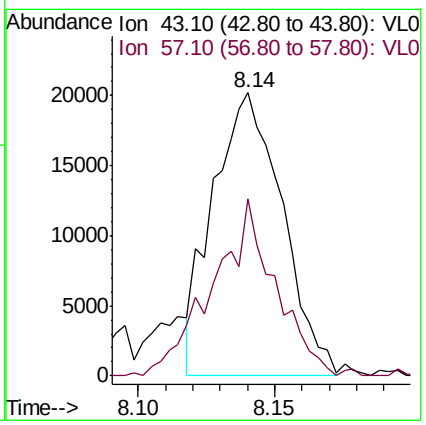


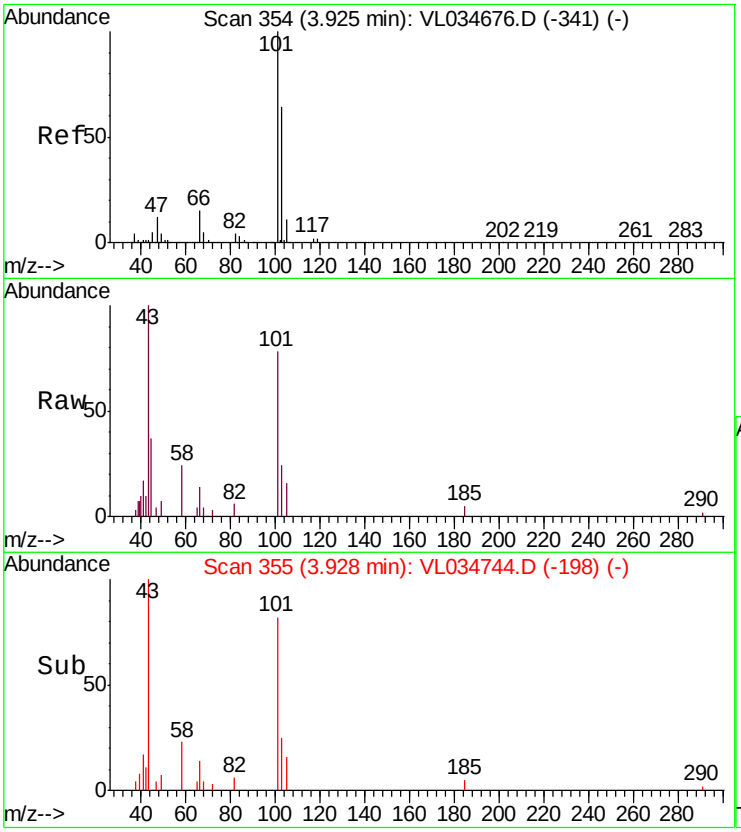


#10
Heptane
Concen: 0.293 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 43 Resp: 35641

Ion	Ratio	Lower	Upper
43	100		
57	56.4	41.0	61.6



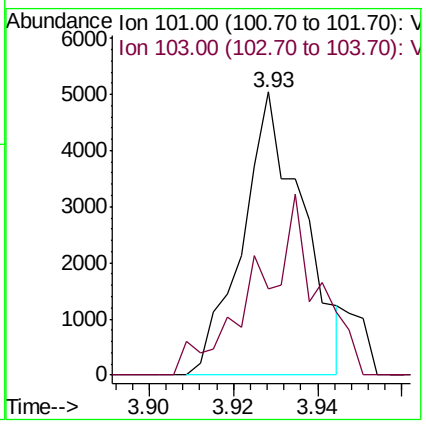


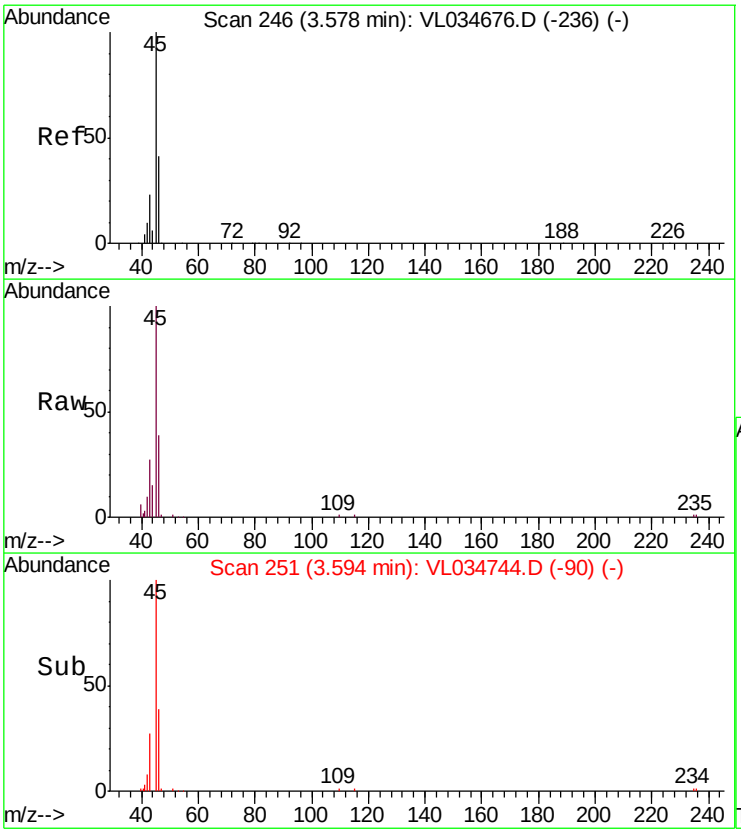
#11
Trichlorofluoromethane
Concen: 0.035 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Tgt Ion:101 Resp: 5008

Ion	Ratio	Lower	Upper
101	100		
103	18.5	51.2	76.8#

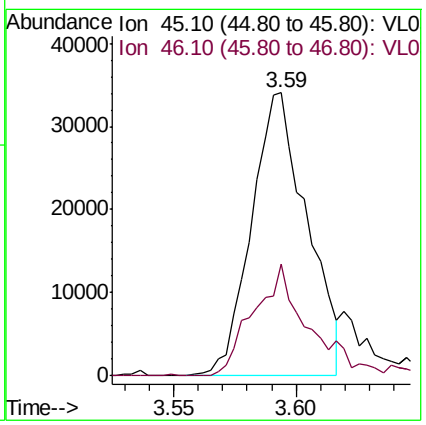


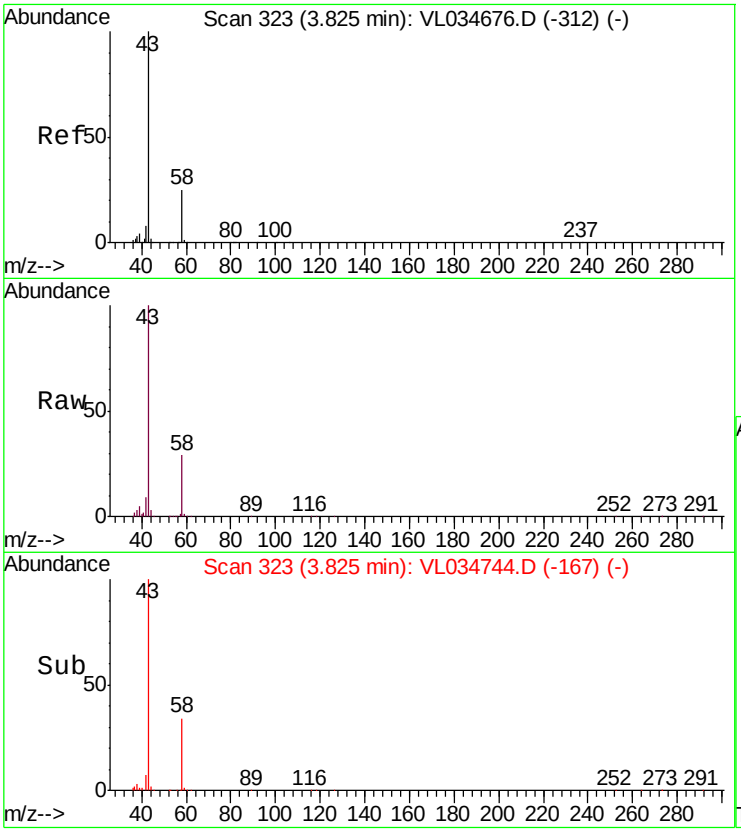


#13
Ethanol
Concen: 3.590 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.02 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 45 Resp: 53637

Ion	Ratio	Lower	Upper
45	100		
46	42.1	15.4	61.4



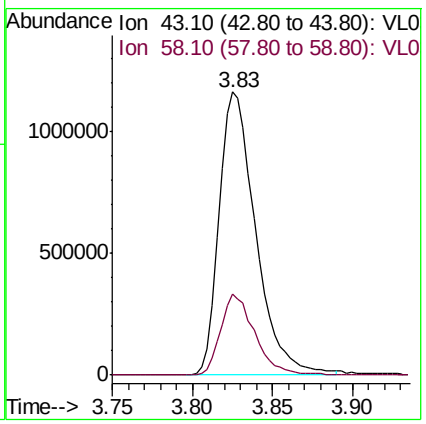


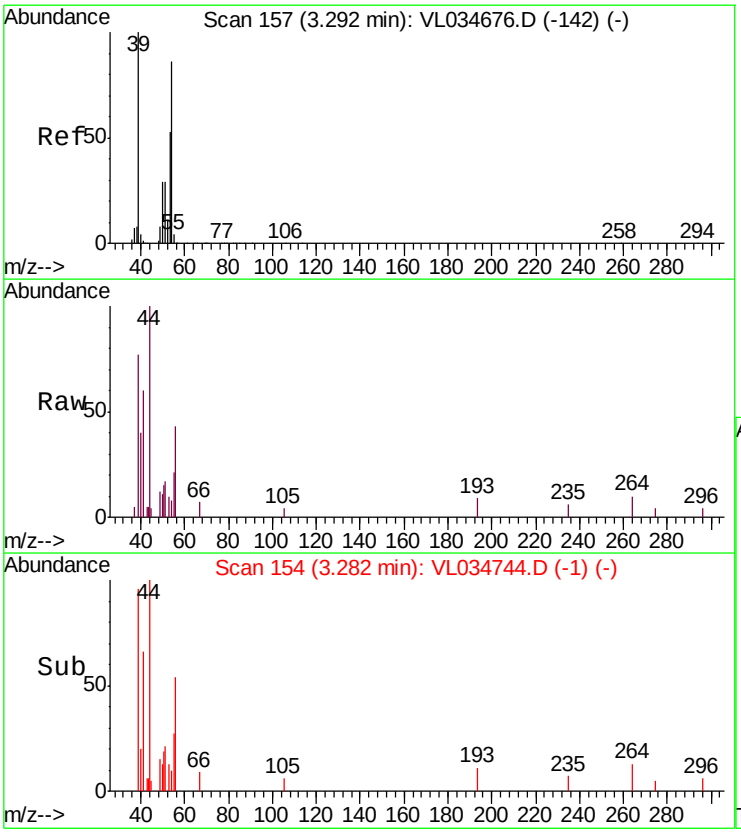
#15
Acetone
Concen: 15.276 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tgt Ion: 43 Resp: 1824940

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.4	32.0

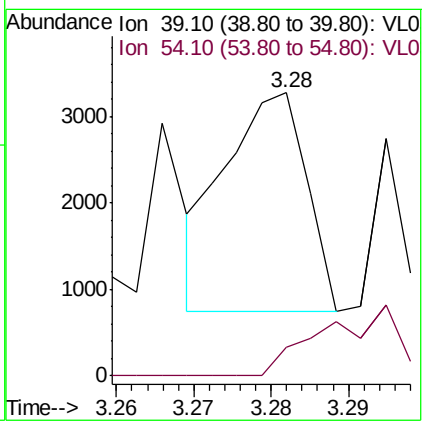


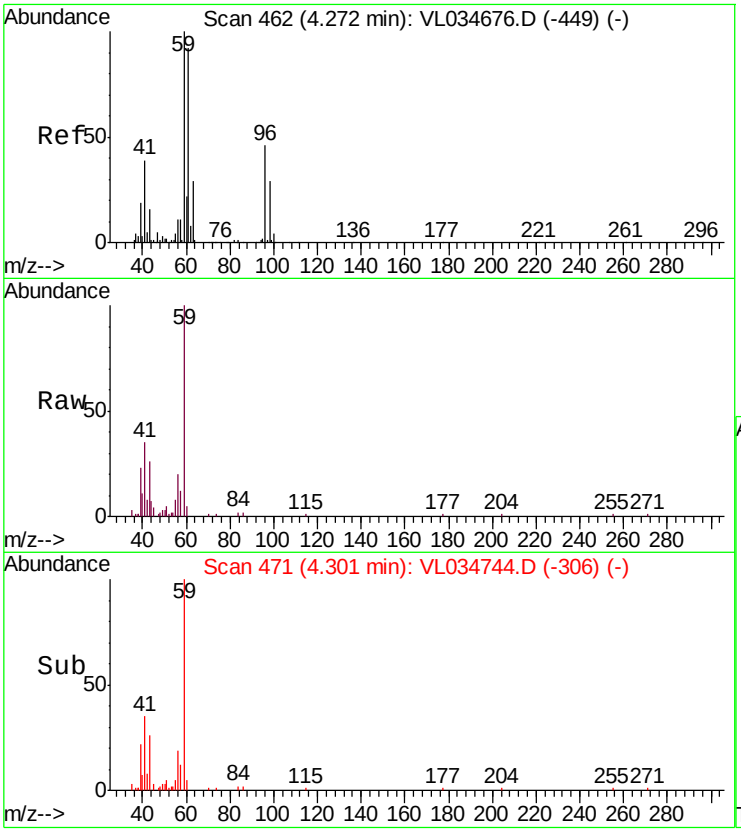


#16
1,3-Butadiene
Concen: 0.034 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.01 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 39 Resp: 1855

Ion	Ratio	Lower	Upper
39	100		
54	0.0	67.0	100.6#



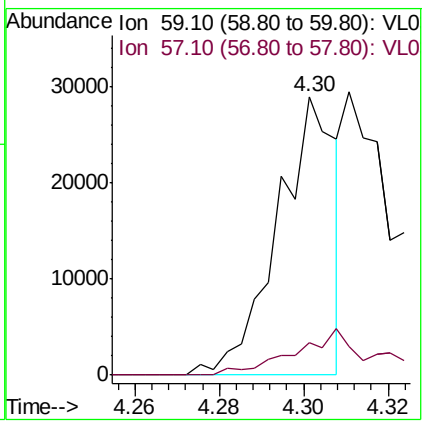


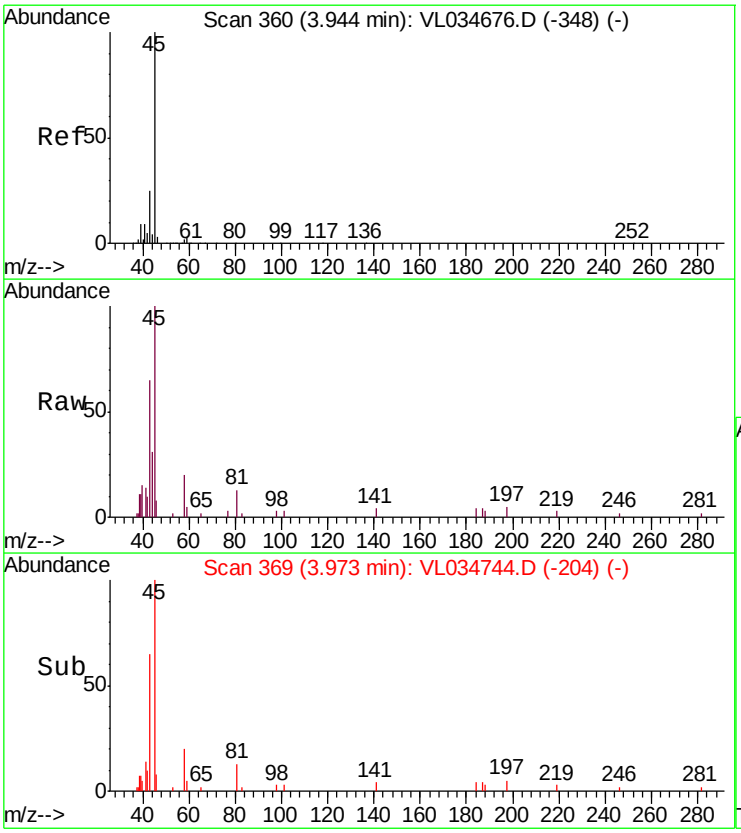
#17
tert-Butyl alcohol
Concen: 0.301 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Tgt Ion: 59 Resp: 27519

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

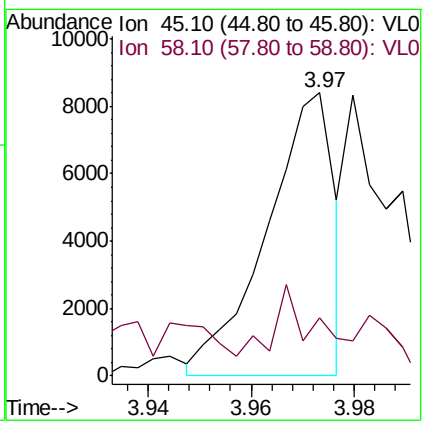


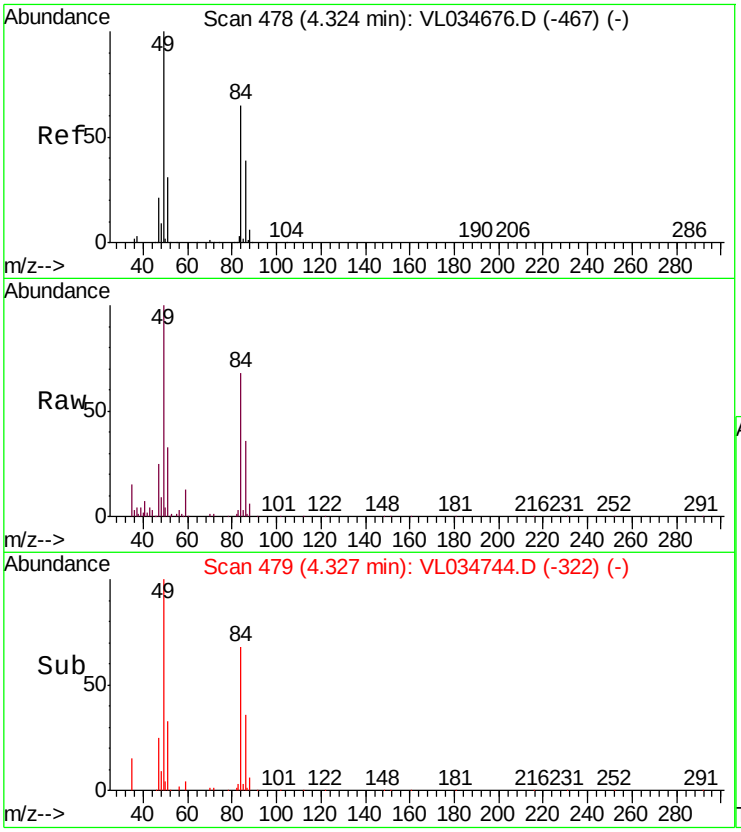


#19
Isopropyl Alcohol
Concen: 0.107 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.03 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 45 Resp: 7626

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#



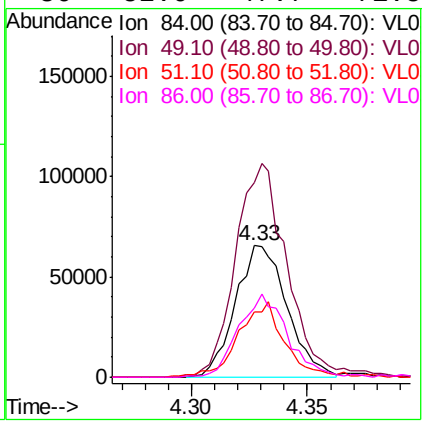


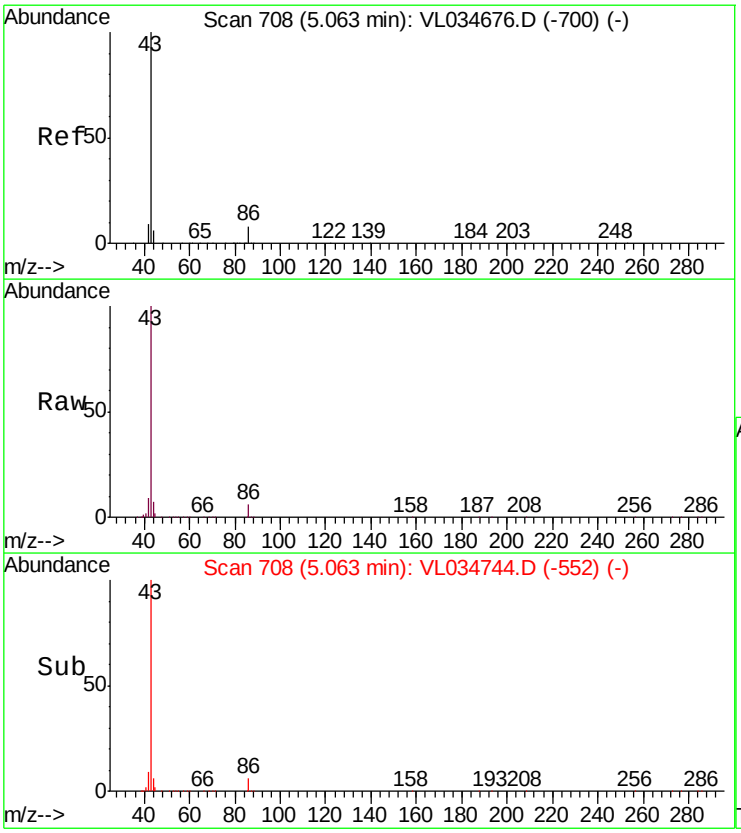
#20
Methylene Chloride
Concen: 2.280 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Tgt Ion: 84 Resp: 101283

Ion	Ratio	Lower	Upper
84	100		
49	145.4	122.8	184.2
51	47.6	38.6	58.0
86	52.0	47.7	71.5

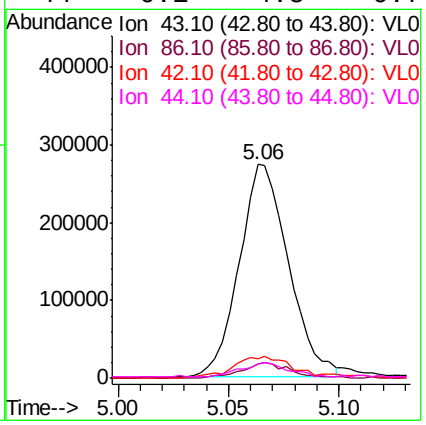


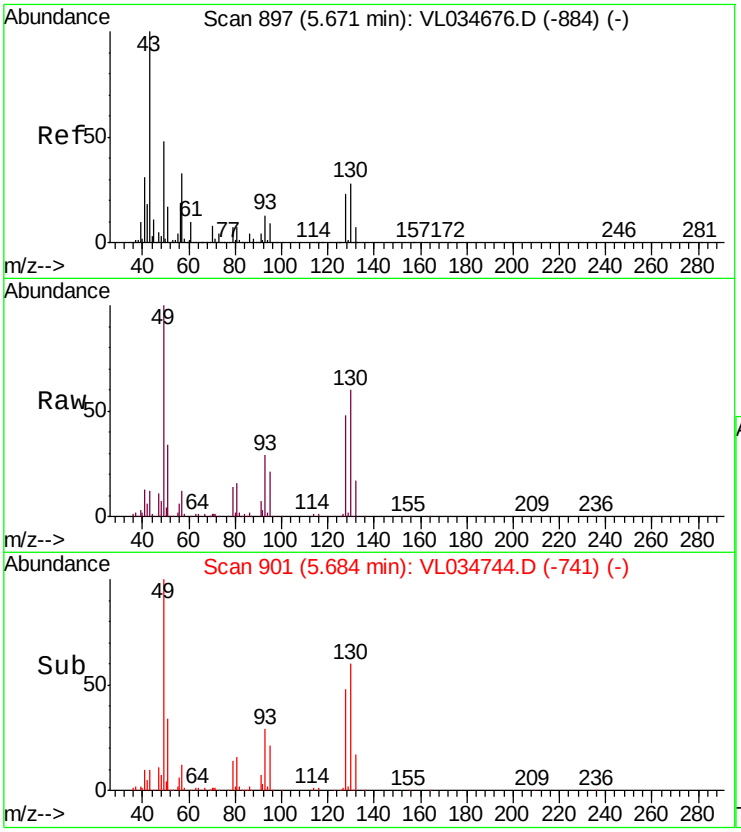


#23
Vinyl Acetate
Concen: 2.618 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 43 Resp: 425156

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.0	9.0
42	8.4	8.0	12.0
44	6.1	4.5	6.7



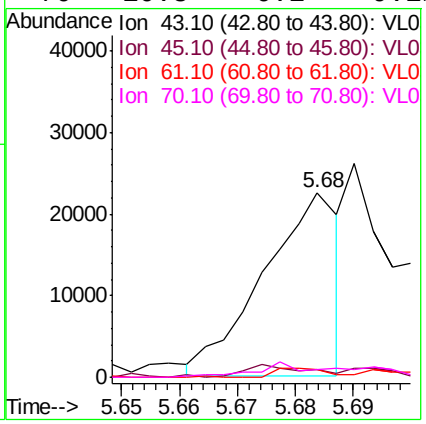


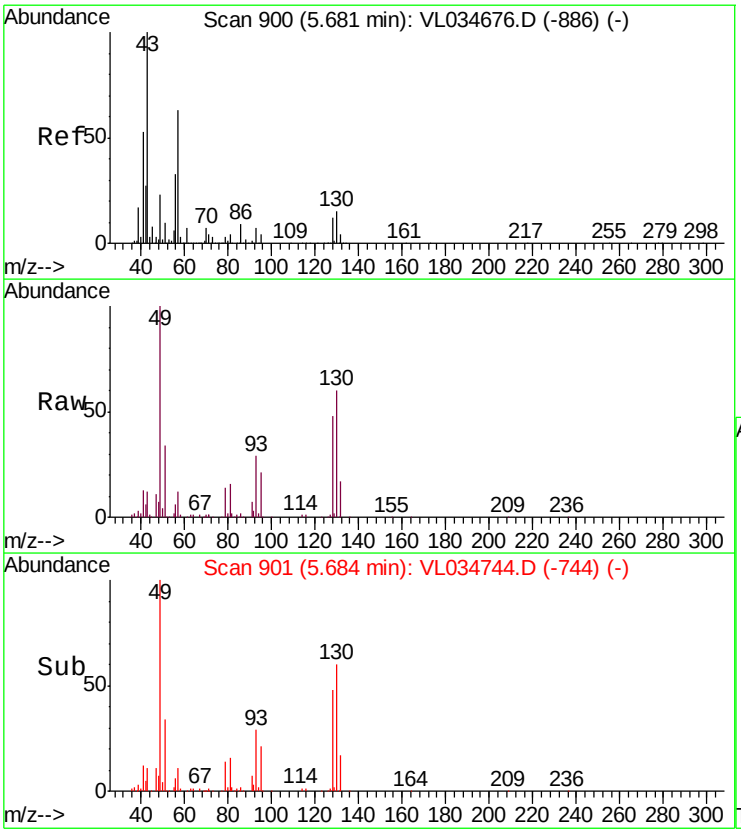
#25
Ethyl Acetate
Concen: 0.096 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tgt Ion: 43 Resp: 20301

Ion	Ratio	Lower	Upper
43	100		
45	13.0	8.2	12.4#
61	7.2	7.8	11.6#
70	10.8	6.1	9.1#

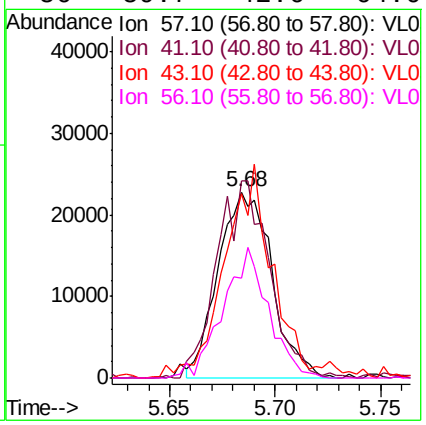


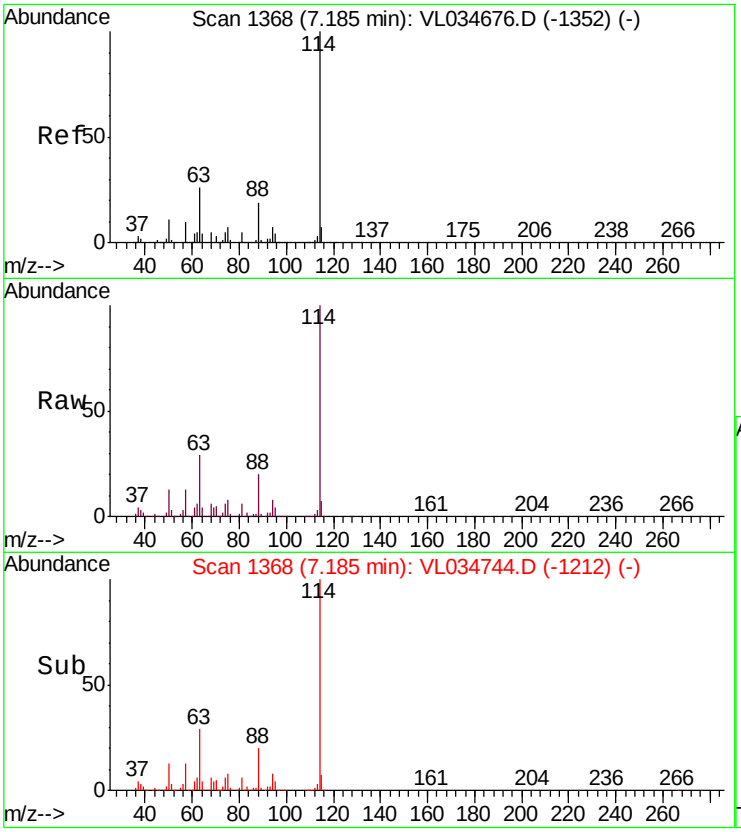


#26
Hexane
Concen: 0.412 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 57 Resp: 40194

Ion	Ratio	Lower	Upper
57	100		
41	103.9	70.3	105.5
43	104.9	177.0	265.4#
56	59.7	42.6	64.0



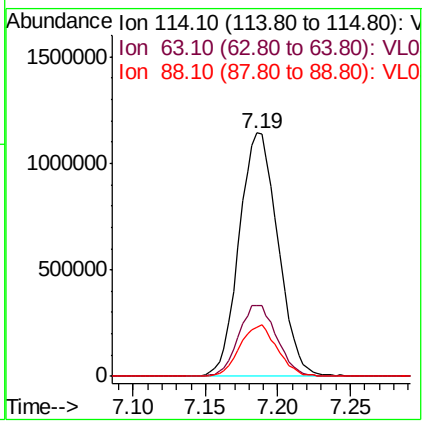


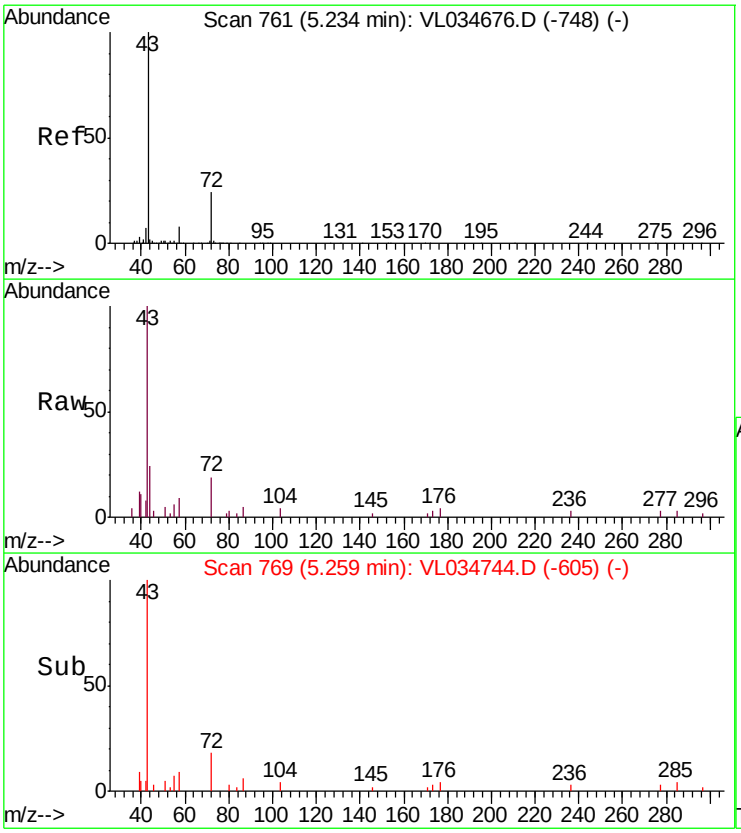
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tgt Ion:114 Resp: 2126003

Ion	Ratio	Lower	Upper
114	100		
63	29.1	22.9	34.3
88	20.4	15.8	23.6

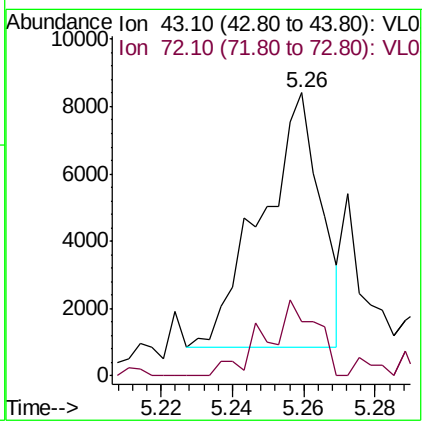


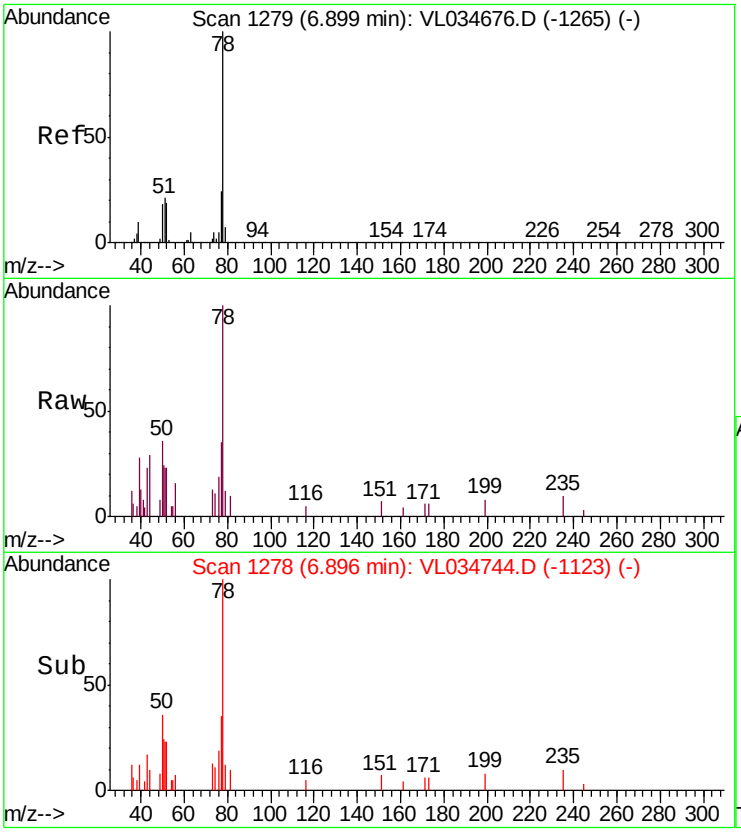


#34
2-Butanone
Concen: 0.065 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.03 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 43 Resp: 8645

Ion	Ratio	Lower	Upper
43	100		
72	30.7	18.2	27.2#



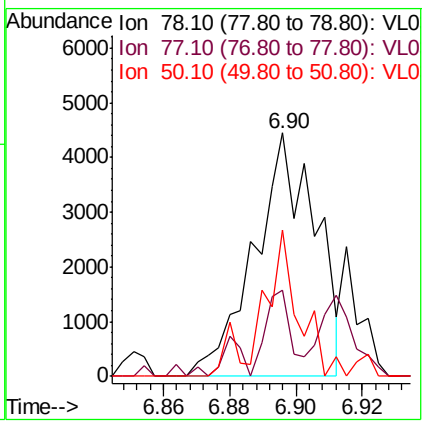


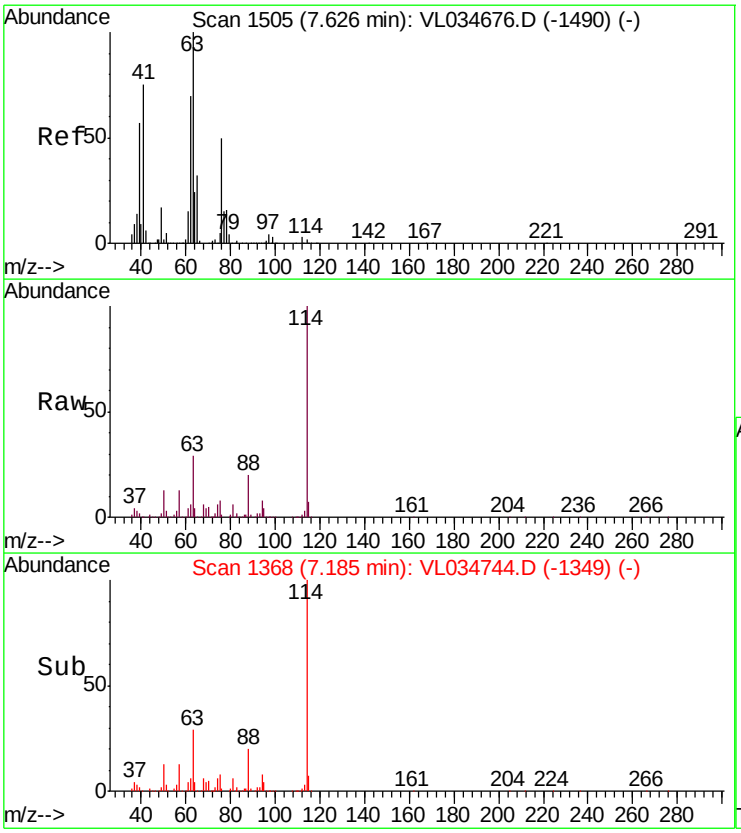
#36
Benzene
Concen: 0.031 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Tgt Ion: 78 Resp: 5679

Ion	Ratio	Lower	Upper
78	100		
77	31.3	19.5	29.3#
50	53.6	14.6	21.8#

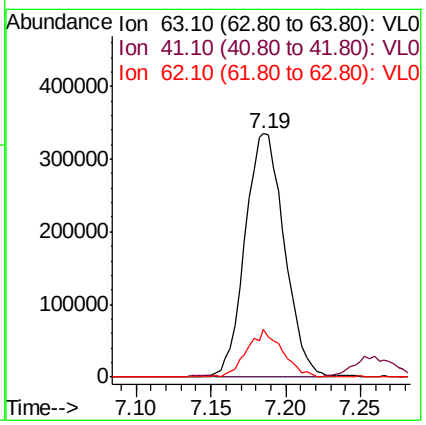


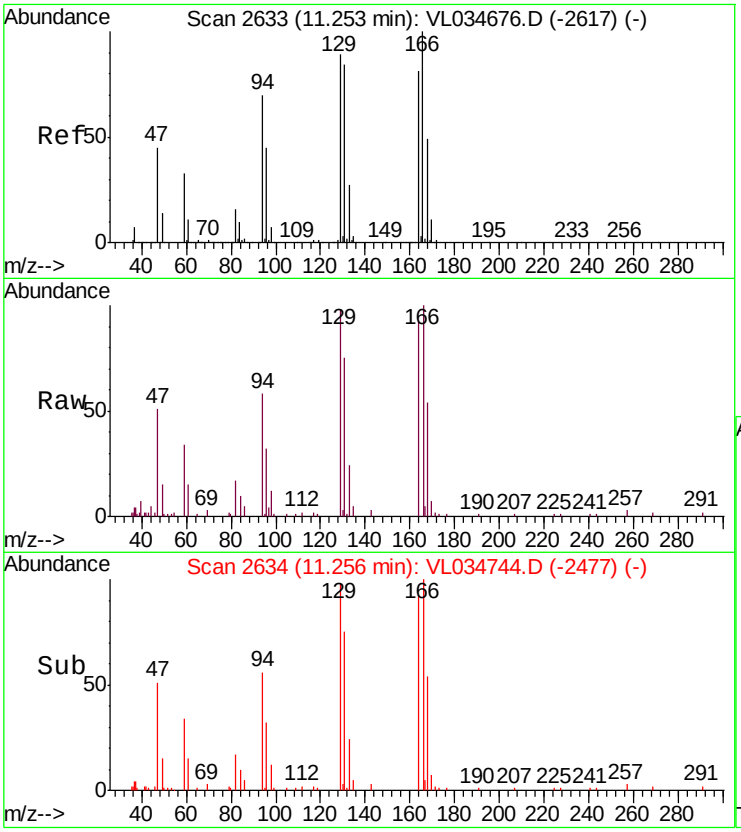


#39
1,2-Dichloropropane
Concen: 8.404 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.44 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 63 Resp: 613911

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	19.6	56.3	84.5#



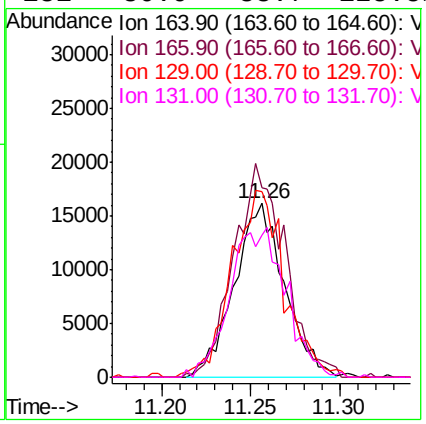


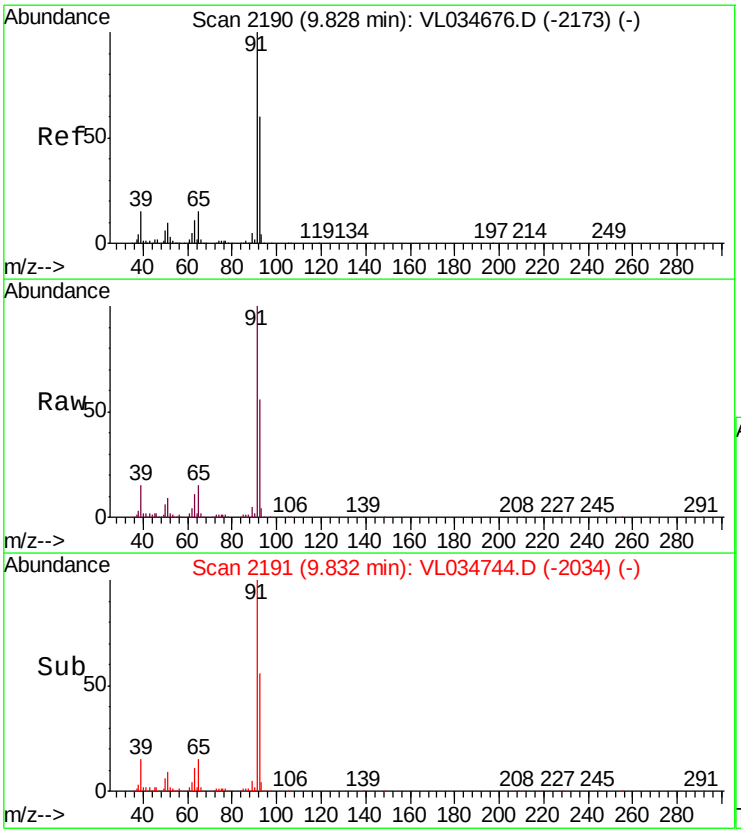
#52
Tetrachloroethene
Concen: 0.473 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Tgt Ion:164 Resp: 31856

Ion	Ratio	Lower	Upper
164	100		
166	106.3	99.2	148.8
129	103.7	88.0	132.0
131	80.9	83.7	125.5#

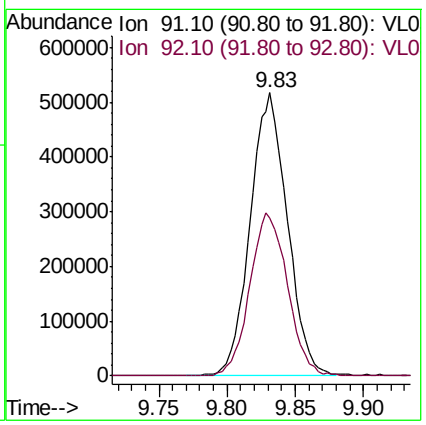


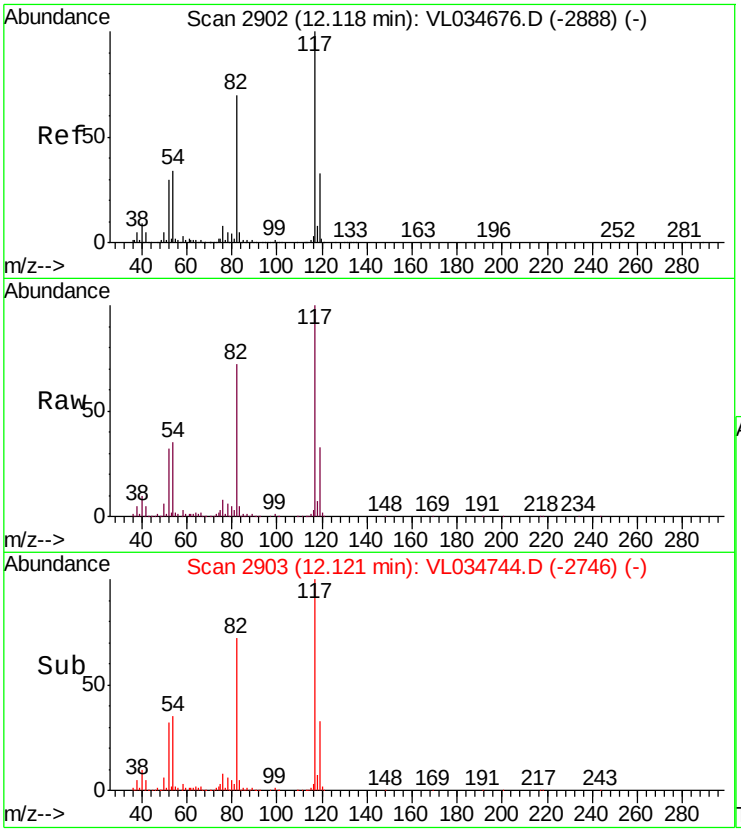


#53
Toluene
Concen: 4.996 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 91 Resp: 975650

Ion	Ratio	Lower	Upper
91	100		
92	58.6	48.5	72.7



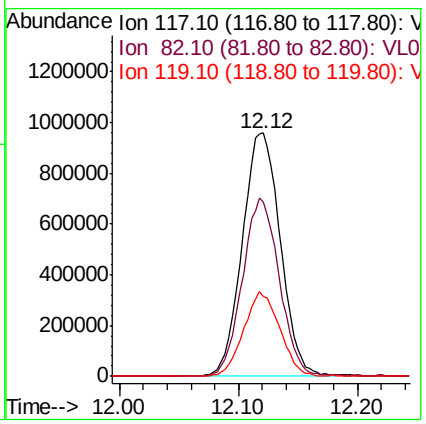


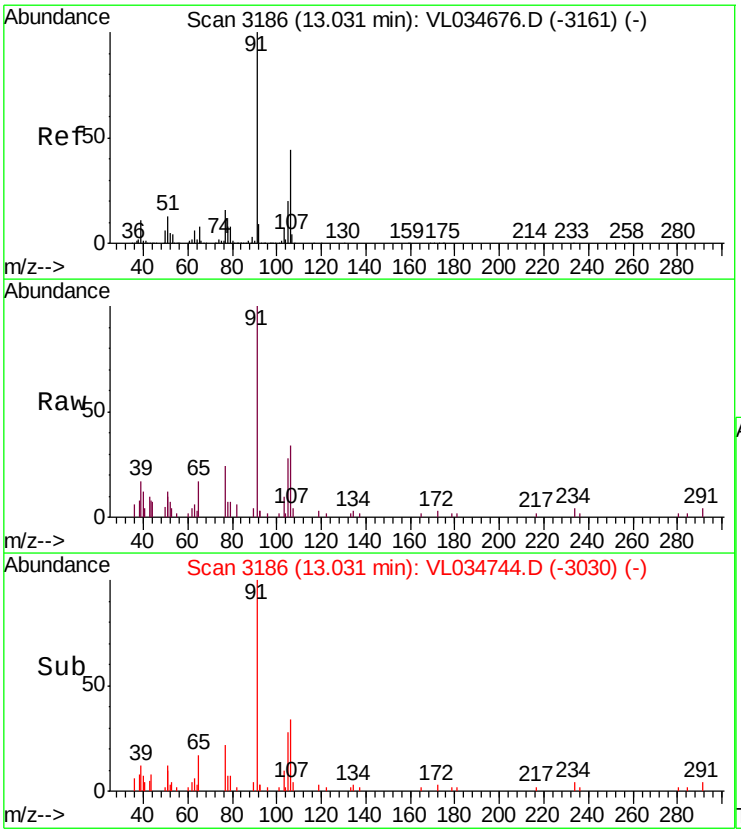
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument : MSVOA_L
ClientSampleId : IA-4-4DL

Tgt Ion:117 Resp: 2120254

Ion	Ratio	Lower	Upper
117	100		
82	71.5	54.1	81.1
119	33.2	27.6	41.4

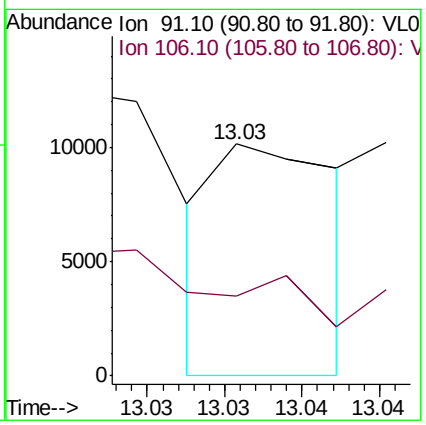


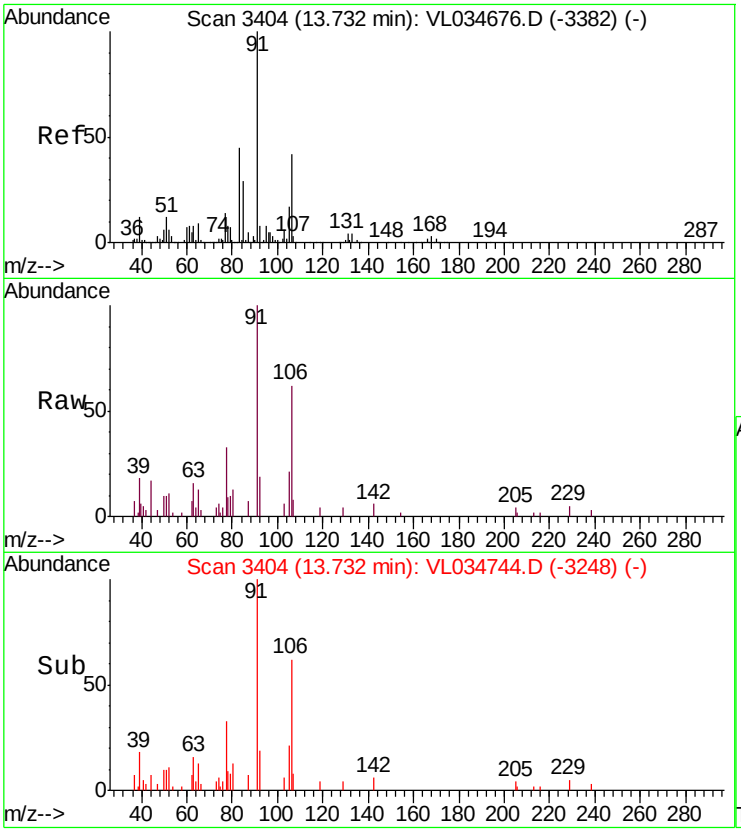


#59
m/p-Xylene
Concen: 0.025 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 91 Resp: 5538

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#



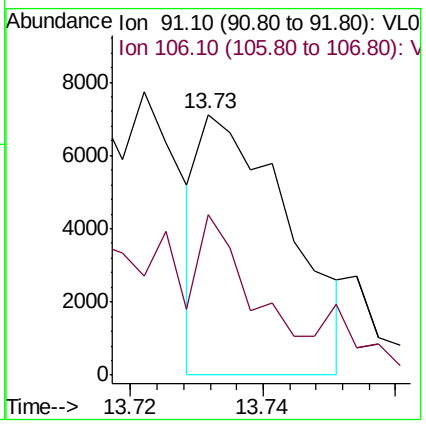


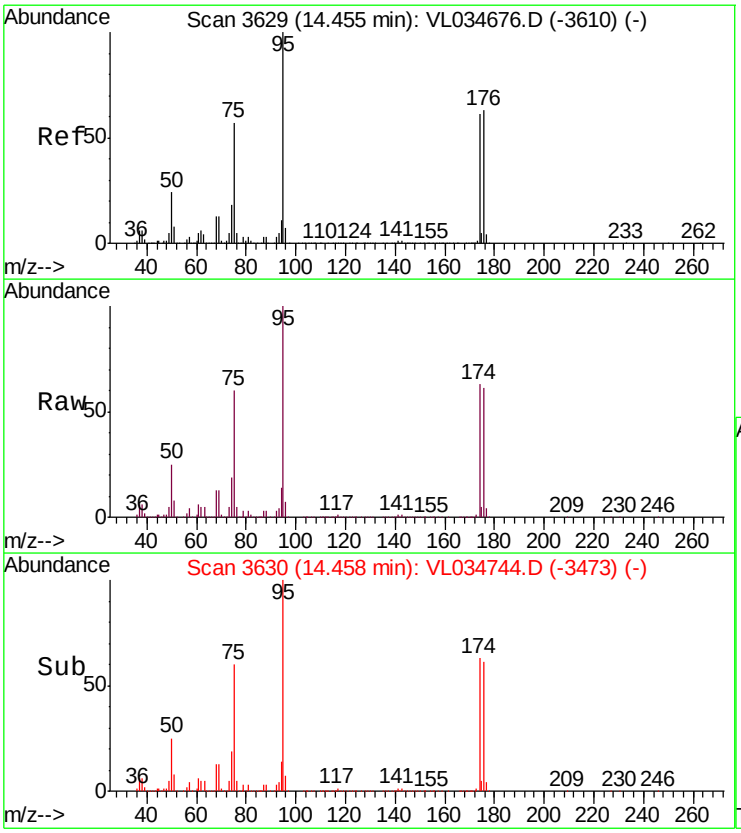
#60
o-Xylene
Concen: 0.030 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tgt Ion: 91 Resp: 6594

Ion	Ratio	Lower	Upper
91	100		
106	121.2	21.9	65.5#

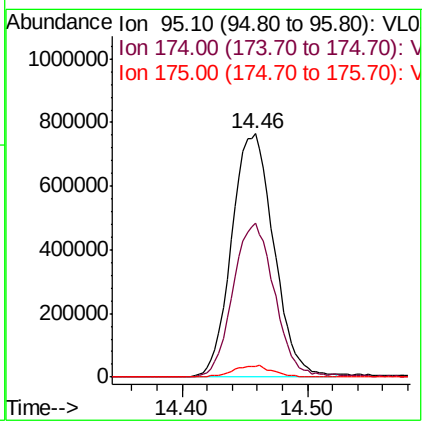


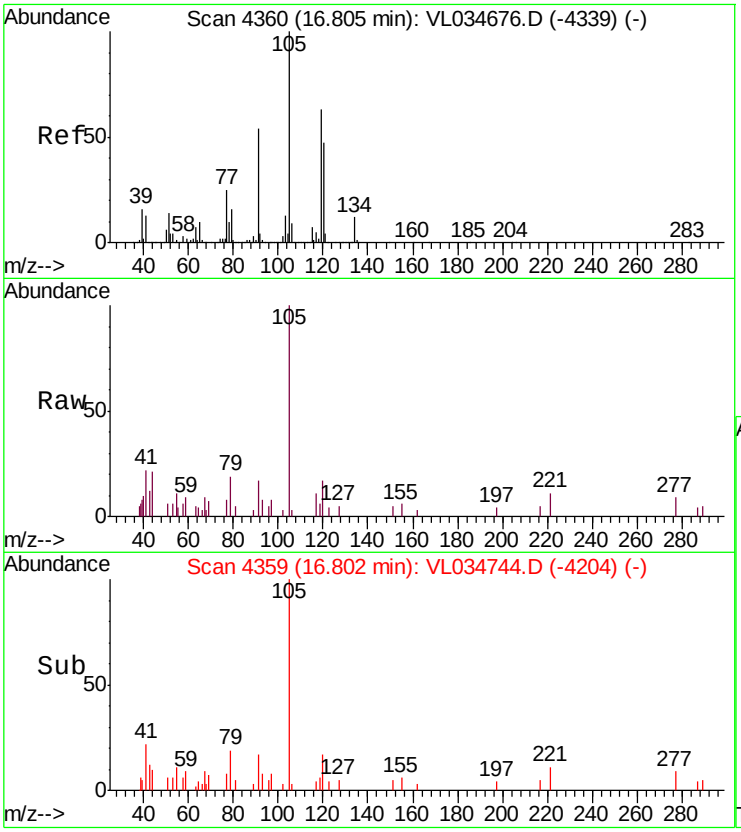


#68
1-Bromo-4-Fluorobenzene
Concen: 10.214 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Tgt Ion: 95 Resp: 1775680

Ion	Ratio	Lower	Upper
95	100		
174	63.6	50.7	76.1
175	4.5	3.9	5.9





#74
1,2,4-Trimethylbenzene
Concen: 0.023 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.00 min
Lab File: VL034744.D
Acq: 28 Feb 2020 19:47

Instrument :
MSVOA_L
ClientSampleId :
IA-4-4DL

Tgt Ion:105 Resp: 5925

Ion	Ratio	Lower	Upper
105	100		
120	0.0	37.9	56.9#
91	0.0	43.9	65.9#
77	0.0	20.3	30.5#