Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

Quantitation Report (Not Reviewed)

Data File : VL034691.D
Acq On : 26 Feb 2020 17:10
Operator : SY/AP
Sample : L1664-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CR-104-BRW

Quant Time: Feb 27 07:28:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	911582	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1884238	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1800780	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1550769	10.50	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	38651	0.269	ppbv	95
3) Chlorodifluoromethane	2.95	51	51805	0.527	ppbv #	88
4) Chloromethane	3.11	50	29379	0.533	ppbv	97
9) Propene	3.17	41	96777	2.353	ppbv	99
10) Heptane	8.14	43	4172	0.039	ppbv #	26
11) Trichlorofluoromethane	3.92	101	18843	0.150	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3794	0.043	ppbv #	46
13) Ethanol	3.58	45	280751	21.611	ppbv	96
15) Acetone	3.83	43	452339	4.355	ppbv	95
16) 1,3-Butadiene	3.28	39	5558	0.116	ppbv	92
17) tert-Butyl alcohol	4.29	59	2096	0.026	ppbv #	71
19) Isopropyl Alcohol	3.96	45	22976	0.371	ppbv #	94
20) Methylene Chloride	4.32	84	95822	2.480	ppbv	96
21) Allyl Chloride	4.34	41	1851	0.027	ppbv #	57
25) Ethyl Acetate	5.68	43	105994	0.576	ppbv #	80
26) Hexane	5.68	57	140207	1.654	ppbv #	43
34) 2-Butanone	5.24	43	22633	0.191	ppbv	95
36) Benzene	6.90	78	52278	0.321	ppbv #	84
39) 1,2-Dichloropropane	7.18	63	547273	8.453	ppbv #	24
44) 2,2,4-Trimethylpentane	7.87	57	12985	0.046	ppbv #	42
53) Toluene	9.82	91	552545	3.192	ppbv	98
59) m/p-Xylene	13.02	91	4284	0.023	ppbv #	32
60) o-Xylene	13.73	91	6813	0.036	ppbv #	41

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

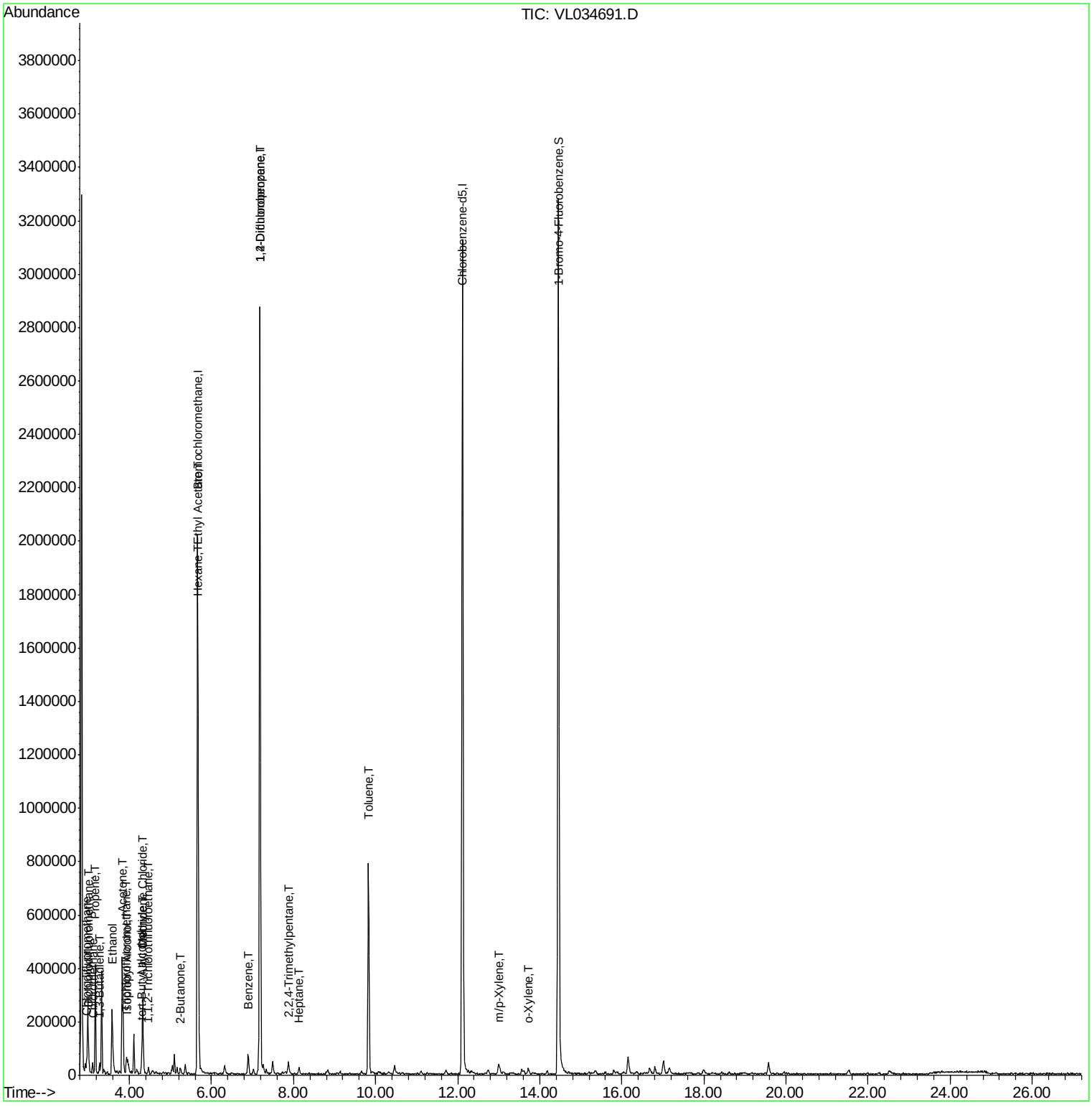
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

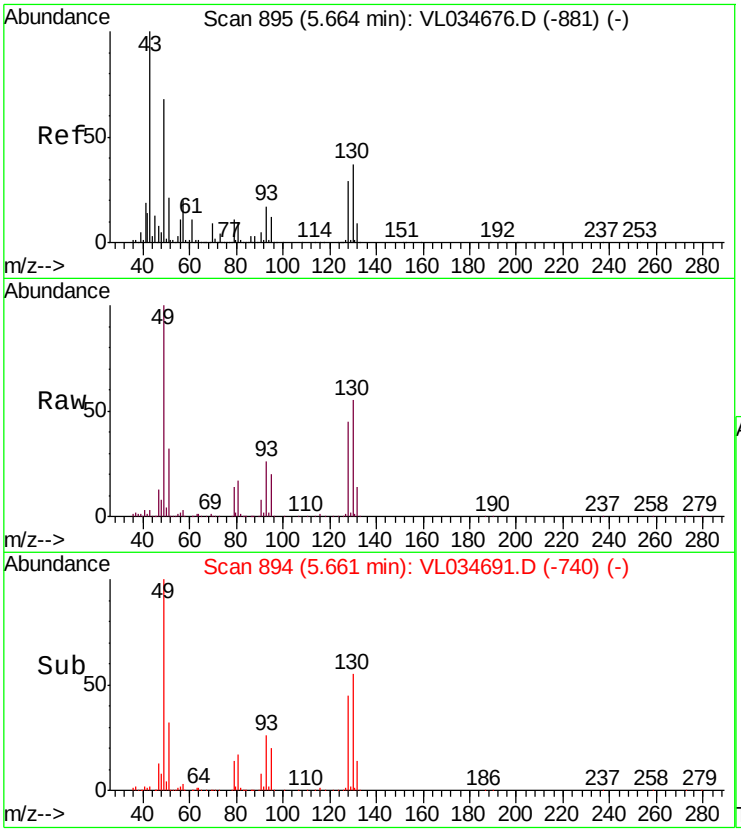
Quantitation Report (Not Reviewed)

Data File : VL034691.D
Acq On : 26 Feb 2020 17:10
Operator : SY/AP
Sample : L1664-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CR-104-BRW

Quant Time: Feb 27 07:28:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration



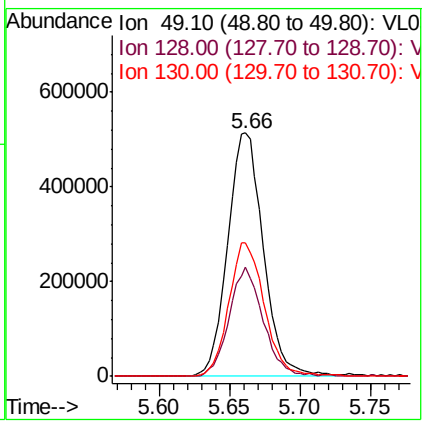


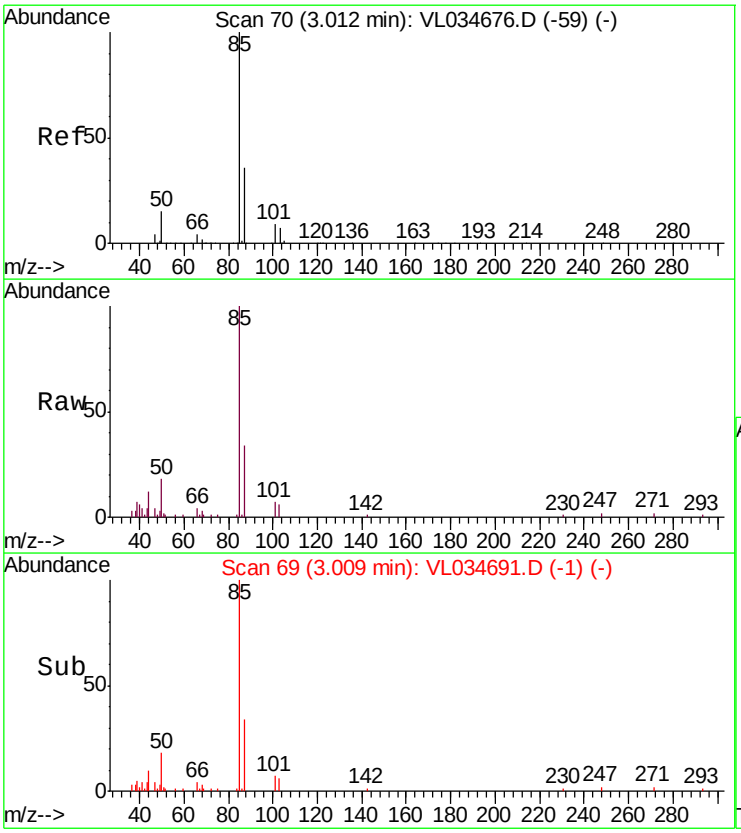
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 49 Resp: 911582

Ion	Ratio	Lower	Upper
49	100		
128	43.1	21.6	65.0
130	55.3	27.7	83.1

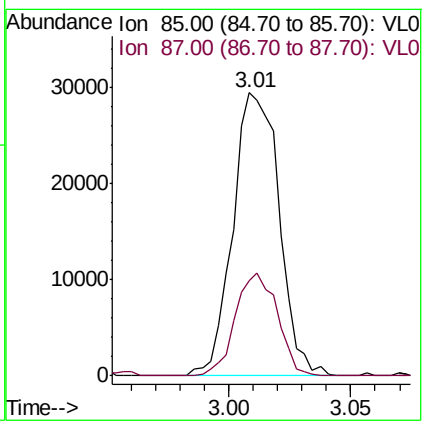


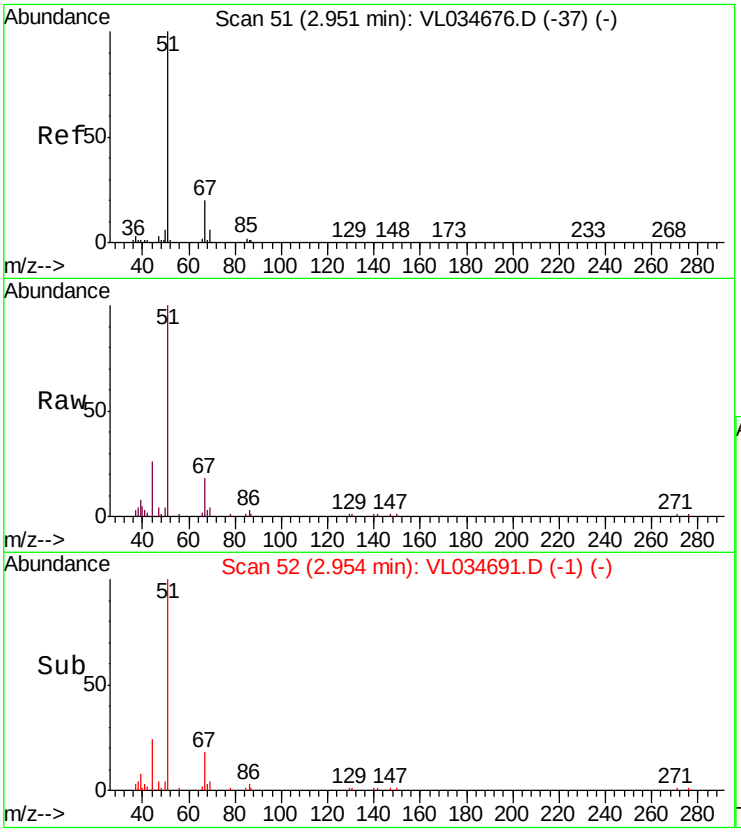


#2
Dichlorodifluoromethane
Concen: 0.269 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 85 Resp: 38651

Ion	Ratio	Lower	Upper
85	100		
87	33.6	29.2	43.8



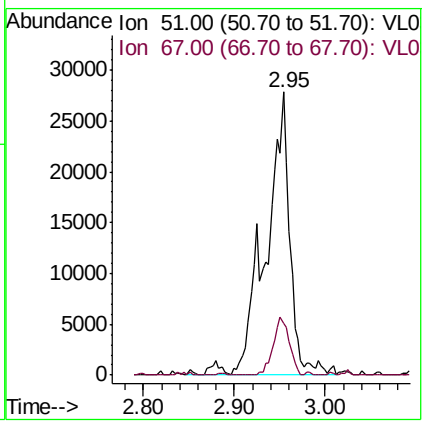


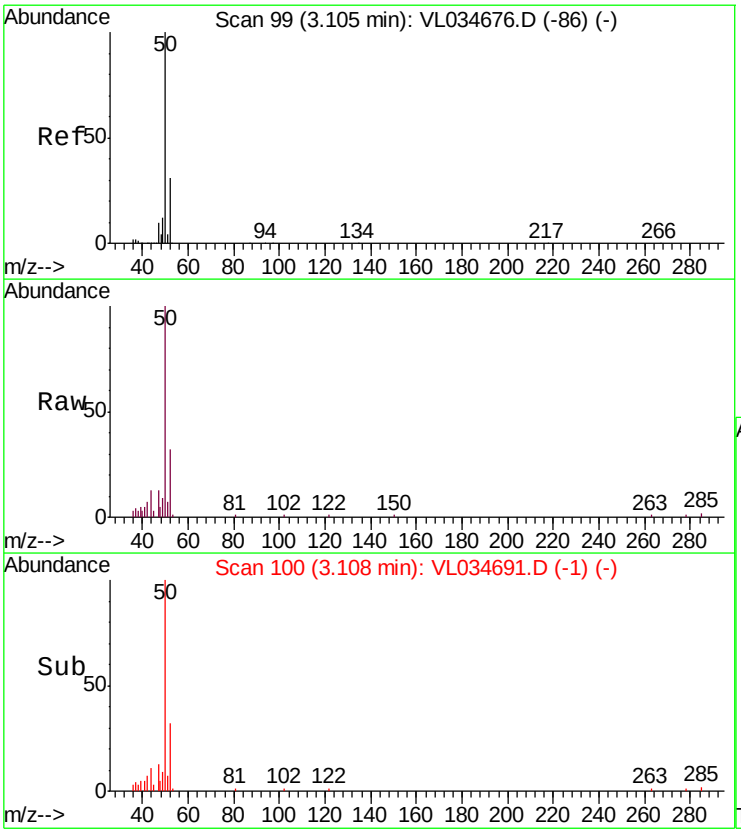
#3
Chlorodifluoromethane
Concen: 0.527 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 51 Resp: 51805

Ion	Ratio	Lower	Upper
51	100		
67	13.8	15.5	23.3#

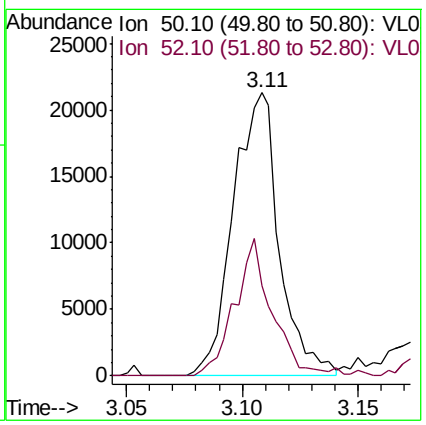


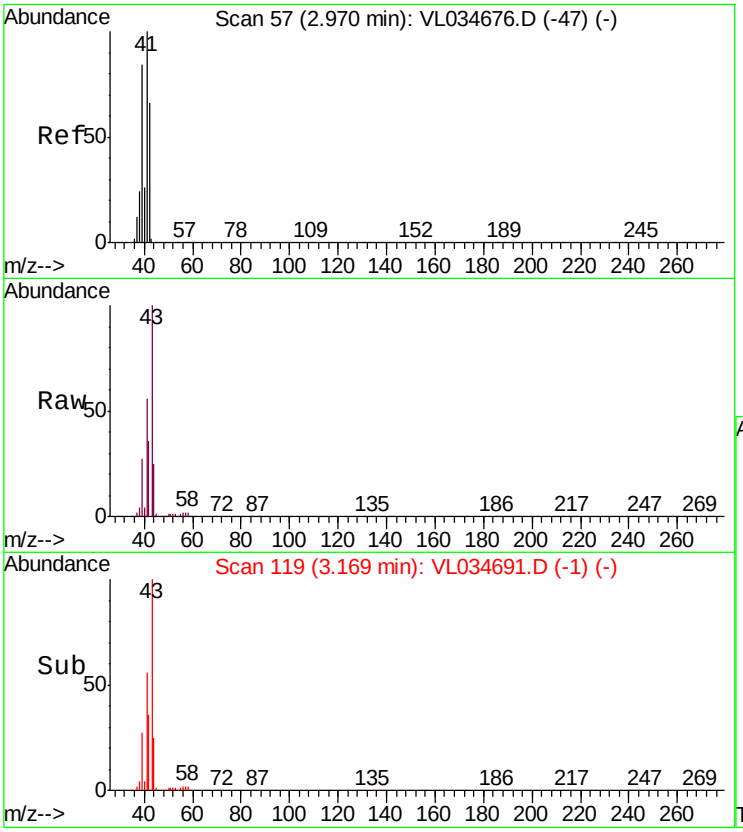


#4
Chloromethane
Concen: 0.533 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 50 Resp: 29379

Ion	Ratio	Lower	Upper
50	100		
52	29.7	25.0	37.4



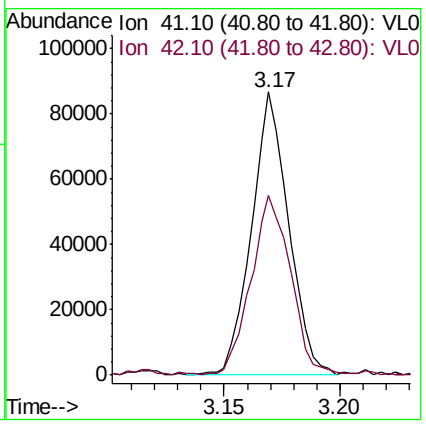


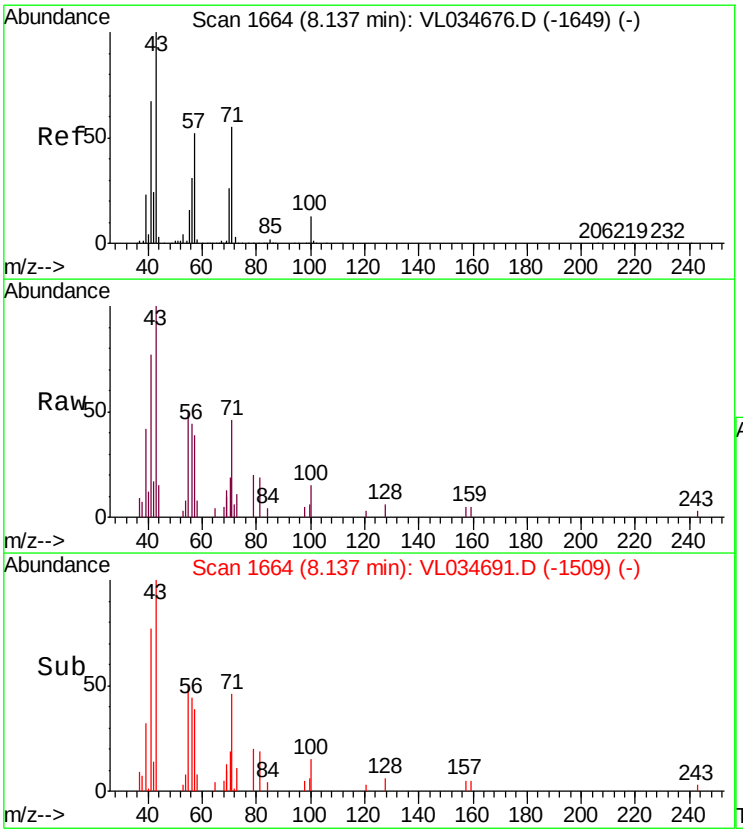
#9
Propene
Concen: 2.353 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.20 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 41 Resp: 96777

Ion	Ratio	Lower	Upper
41	100		
42	69.1	54.9	82.3

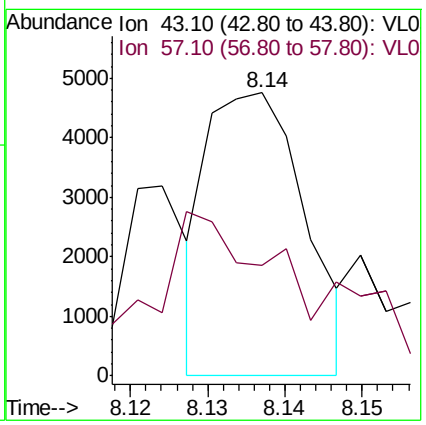


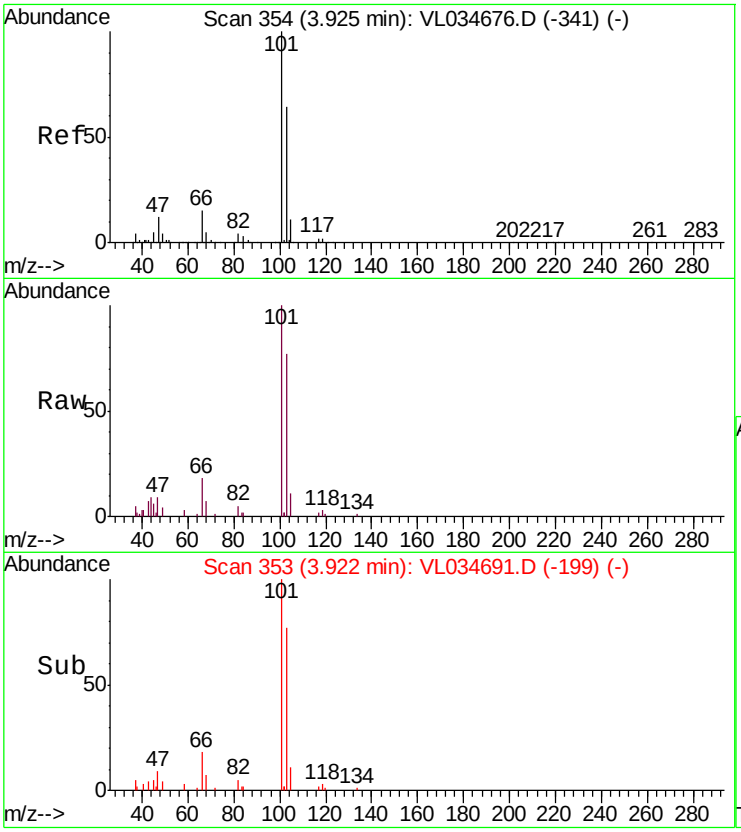


#10
Heptane
Concen: 0.039 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 43 Resp: 4172

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.0	61.6#



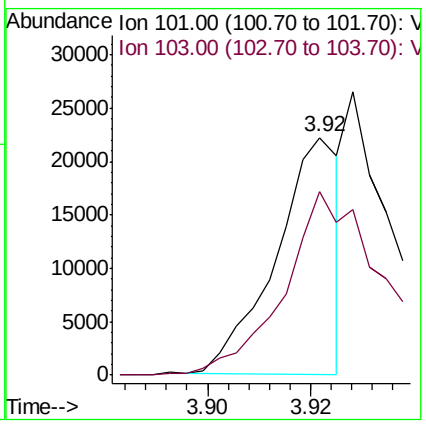


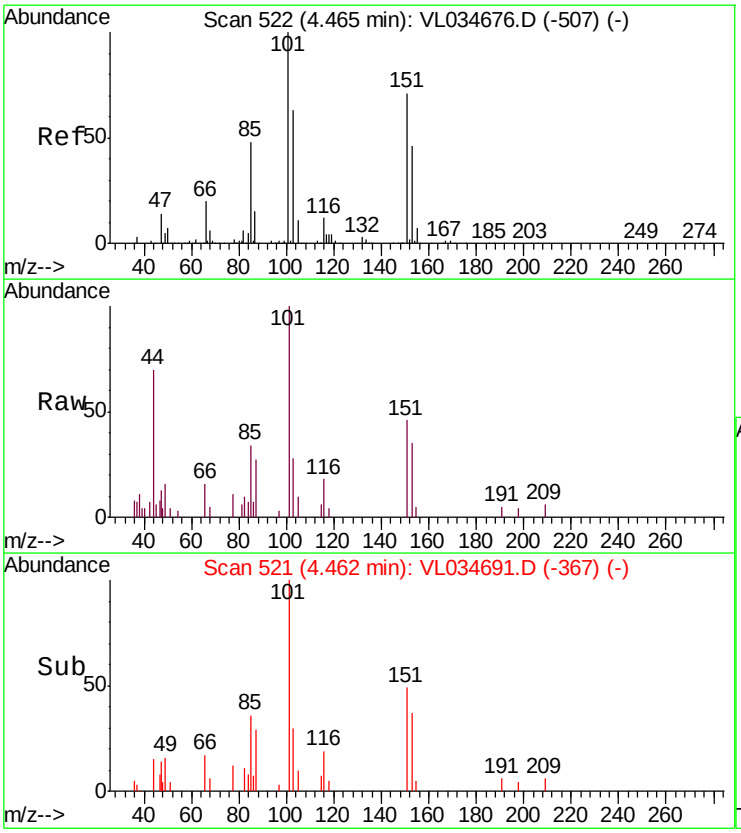
#11
Trichlorofluoromethane
Concen: 0.150 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion:101 Resp: 18843

Ion	Ratio	Lower	Upper
101	100		
103	75.4	51.2	76.8

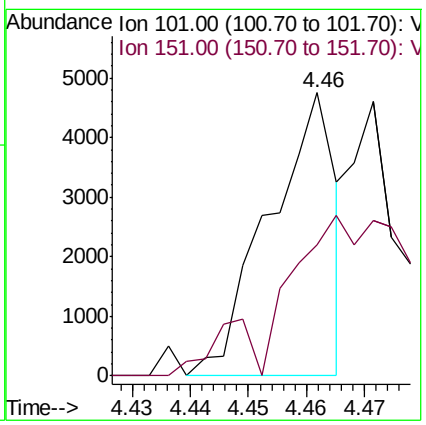


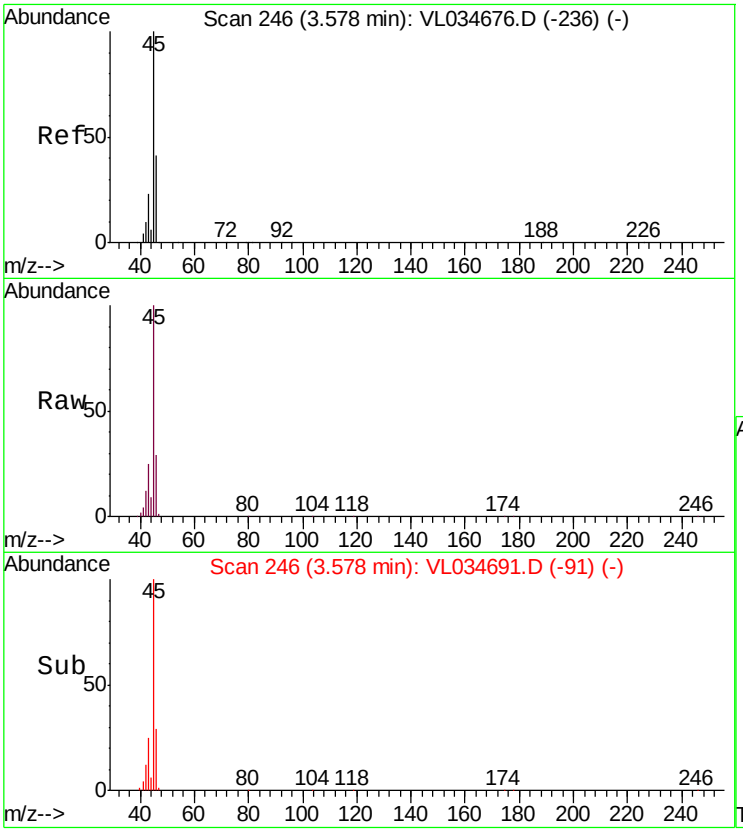


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.043 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion:101 Resp: 3794

Ion	Ratio	Lower	Upper
101	100		
151	113.7	55.8	83.6#



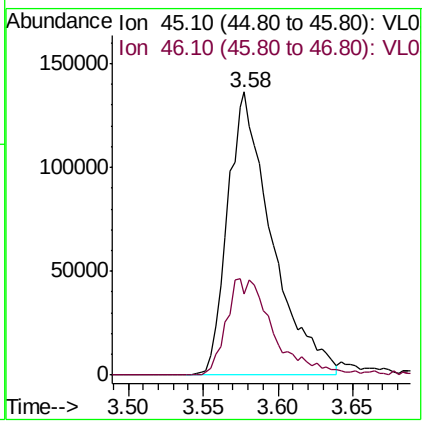


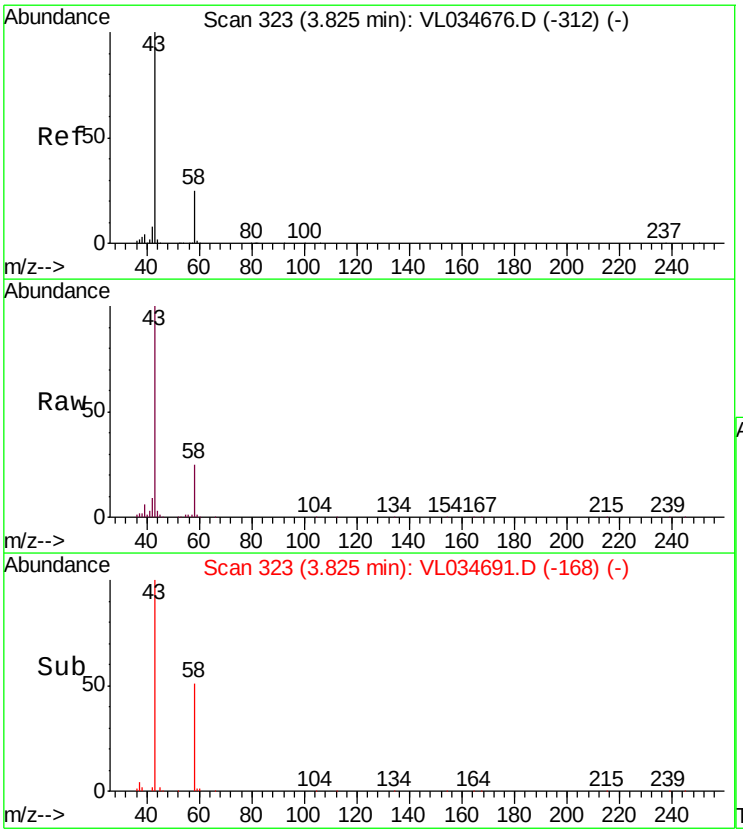
#13
Ethanol
Concen: 21.611 ppbv
RT: 3.58 min Scan# 246
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 45 Resp: 280751

Ion	Ratio	Lower	Upper
45	100		
46	35.9	15.4	61.4

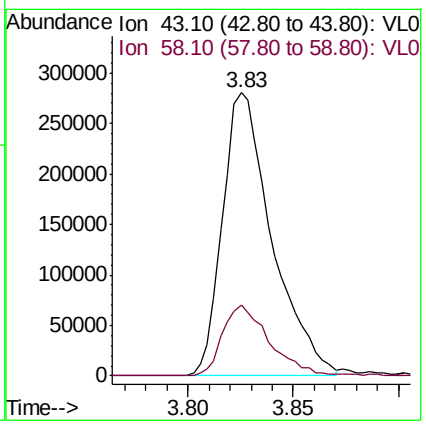


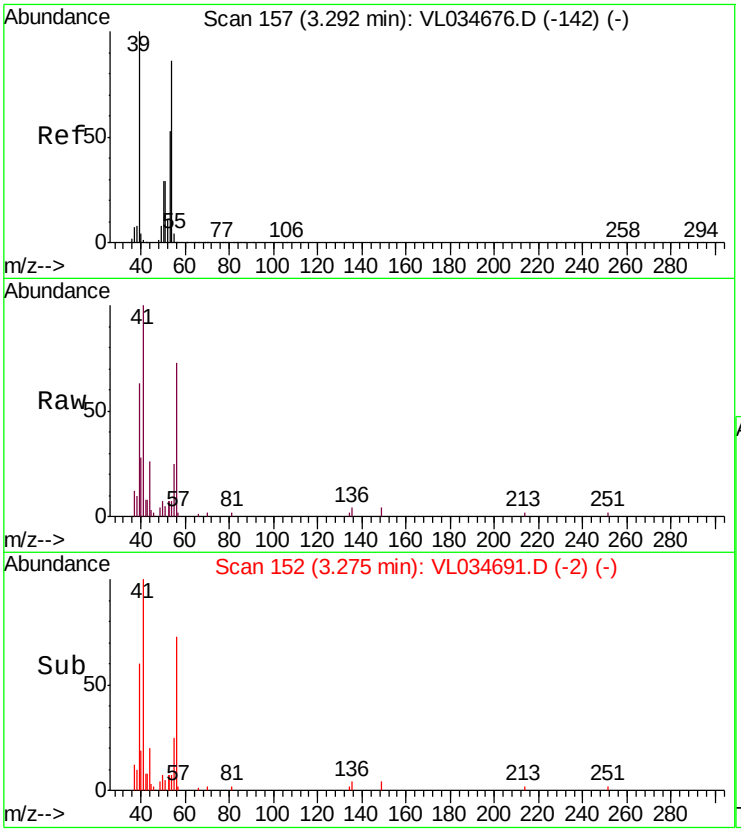


#15
Acetone
Concen: 4.355 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 43 Resp: 452339

Ion	Ratio	Lower	Upper
43	100		
58	24.2	21.4	32.0



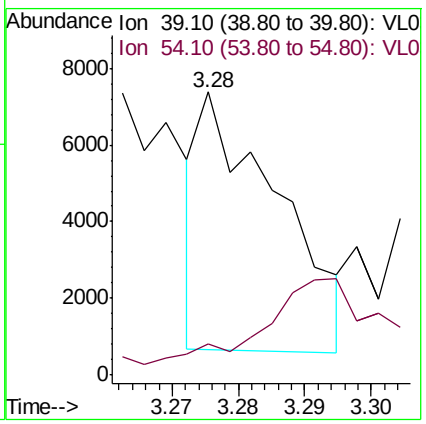


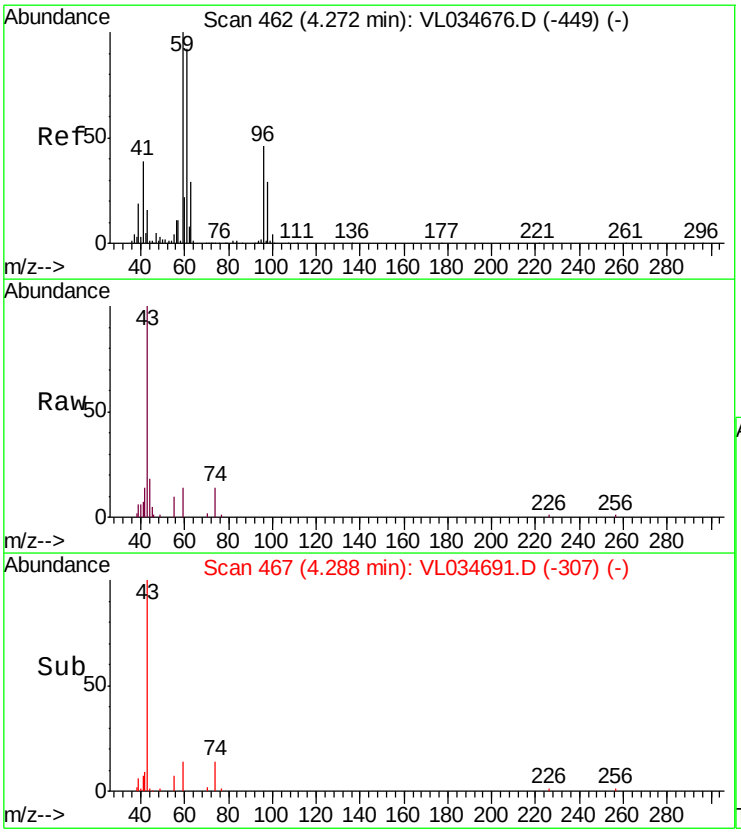
#16
1,3-Butadiene
Concen: 0.116 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.02 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument : MSVOA_L
ClientSampleId : CR-104-BRW

Tgt Ion: 39 Resp: 5558

Ion	Ratio	Lower	Upper
39	100		
54	91.0	67.0	100.6

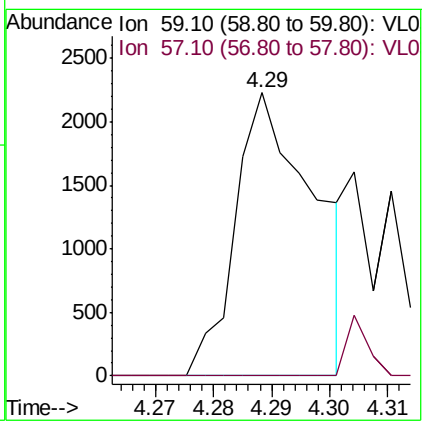


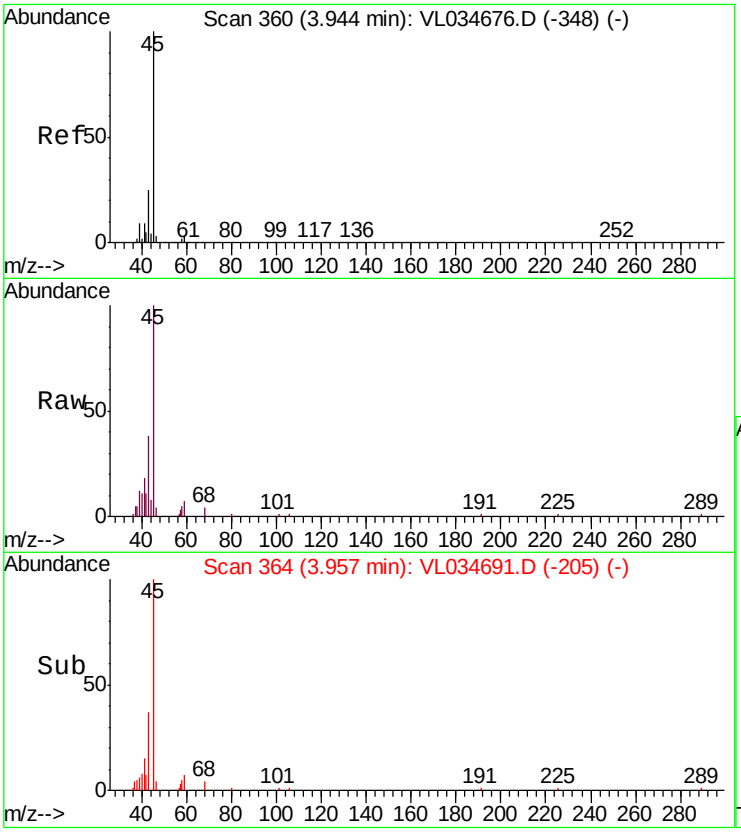


#17
tert-Butyl alcohol
Concen: 0.026 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 59 Resp: 2096

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#



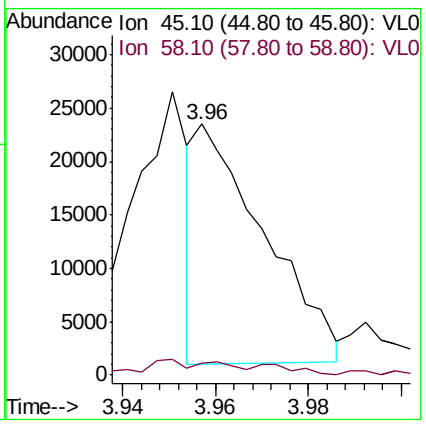


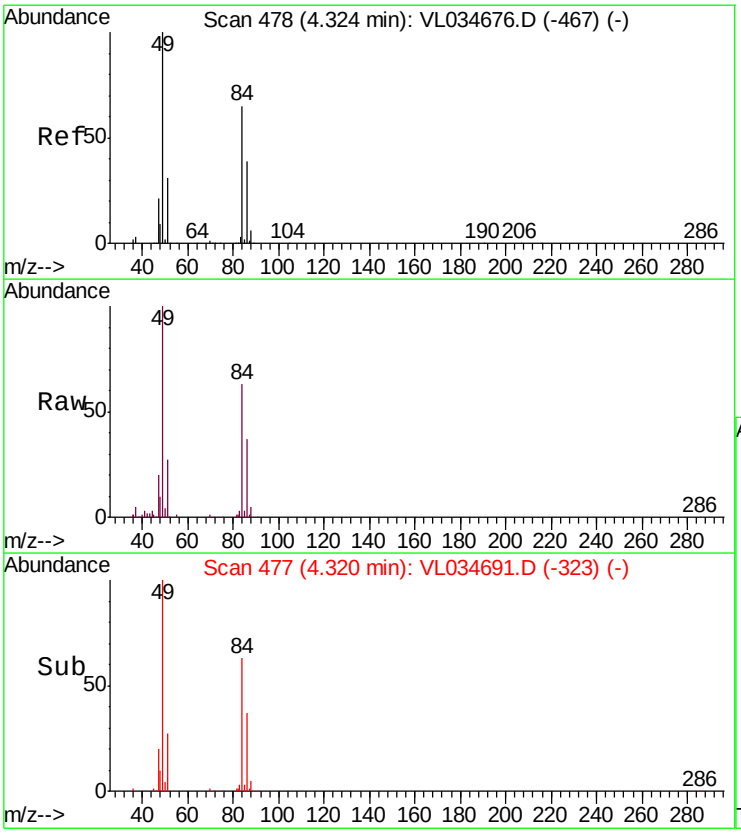
#19
Isopropyl Alcohol
Concen: 0.371 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument : MSVOA_L
ClientSampleId : CR-104-BRW

Tgt Ion: 45 Resp: 22976

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#

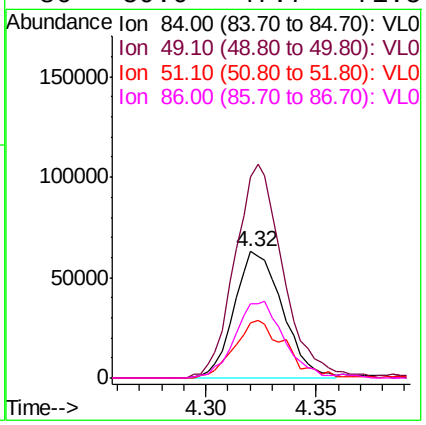


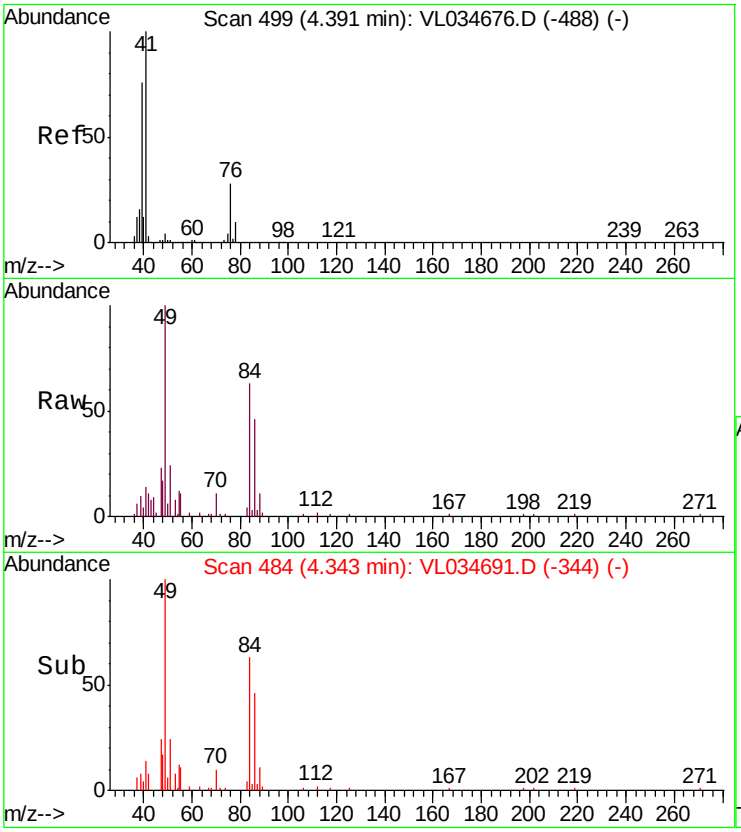


#20
Methylene Chloride
Concen: 2.480 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 84 Resp: 95822

Ion	Ratio	Lower	Upper
84	100		
49	158.3	122.8	184.2
51	43.2	38.6	58.0
86	59.0	47.7	71.5



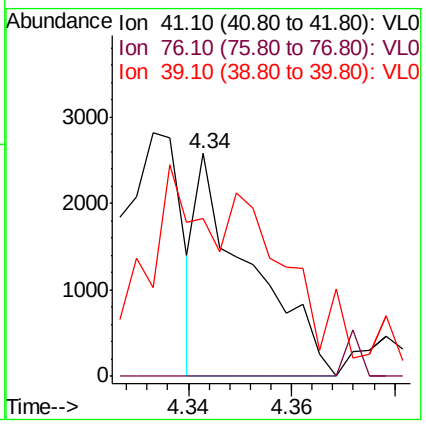


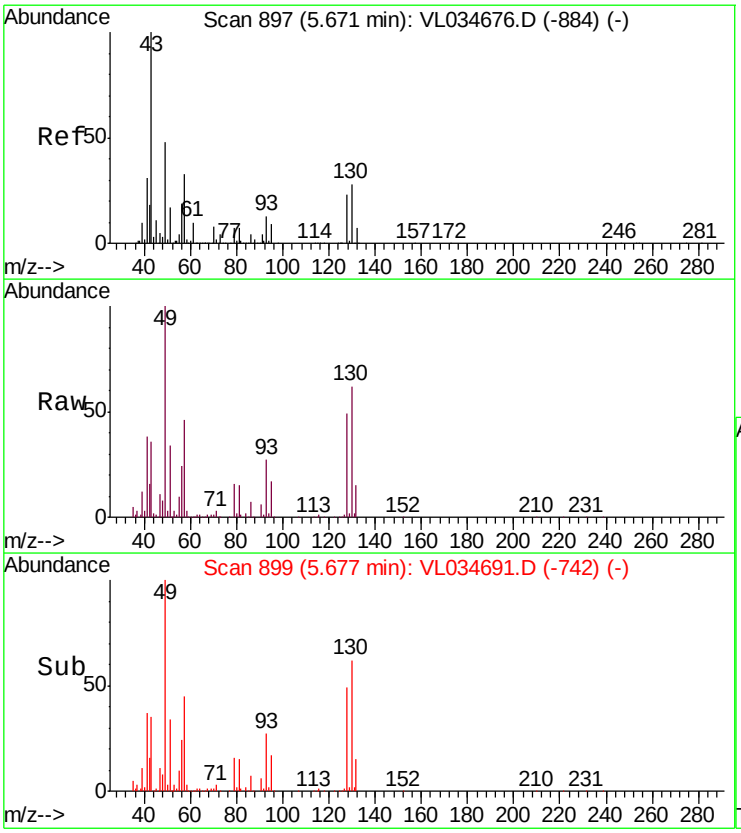
#21
Allyl Chloride
Concen: 0.027 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.05 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument : MSVOA_L
ClientSampleId : CR-104-BRW

Tgt Ion: 41 Resp: 1851

Ion	Ratio	Lower	Upper
41	100		
76	5.6	22.8	34.2#
39	40.6	61.7	92.5#

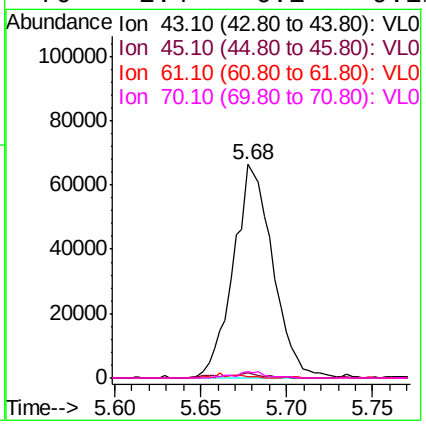


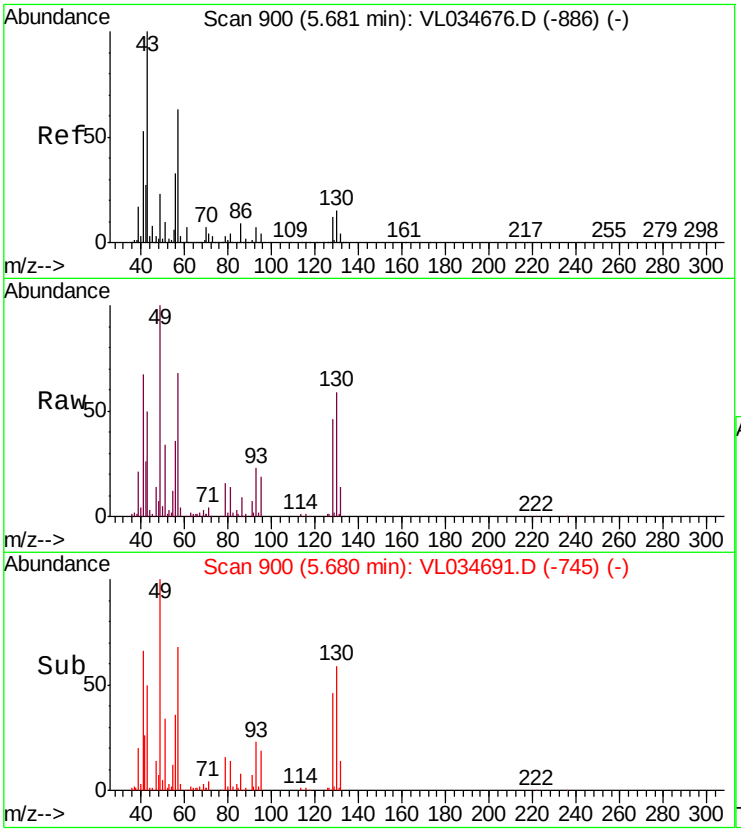


#25
Ethyl Acetate
Concen: 0.576 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 43 Resp: 105994

Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.2	12.4#
61	1.4	7.8	11.6#
70	2.4	6.1	9.1#



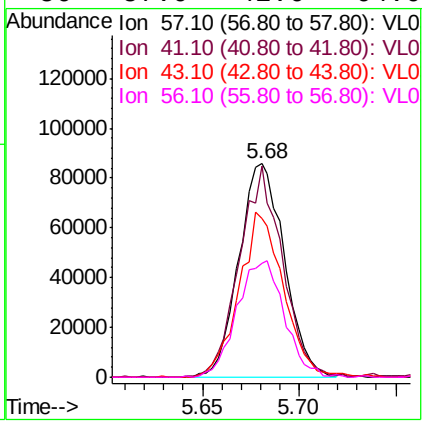


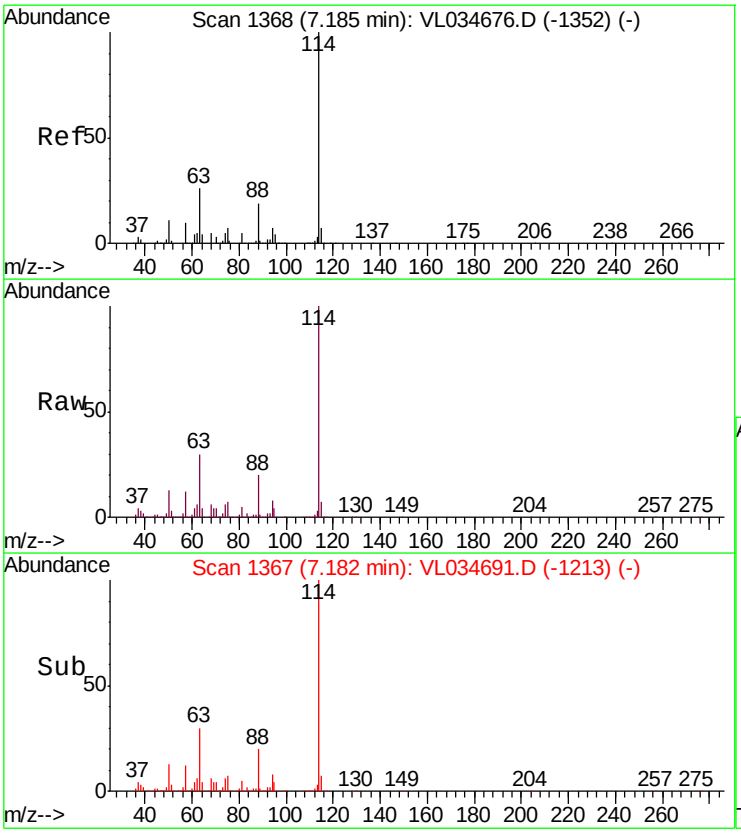
#26
Hexane
Concen: 1.654 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 57 Resp: 140207

Ion	Ratio	Lower	Upper
57	100		
41	93.9	70.3	105.5
43	76.0	177.0	265.4#
56	57.0	42.6	64.0

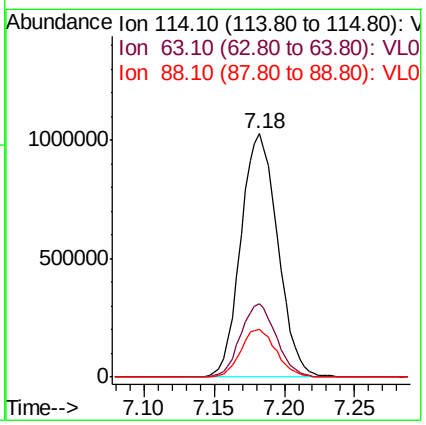


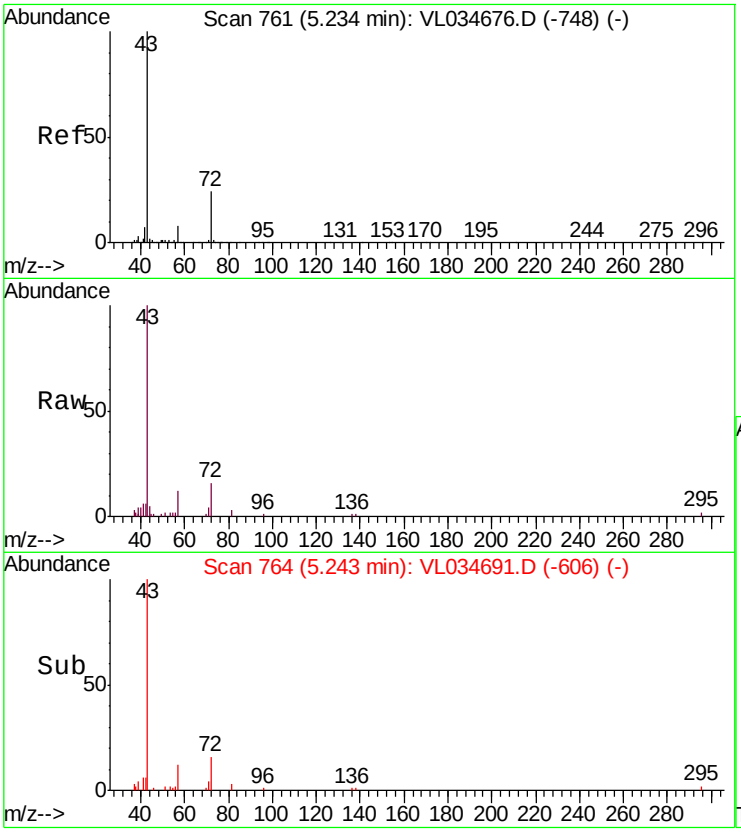


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion:114 Resp: 1884238

Ion	Ratio	Lower	Upper
114	100		
63	29.3	22.9	34.3
88	19.0	15.8	23.6



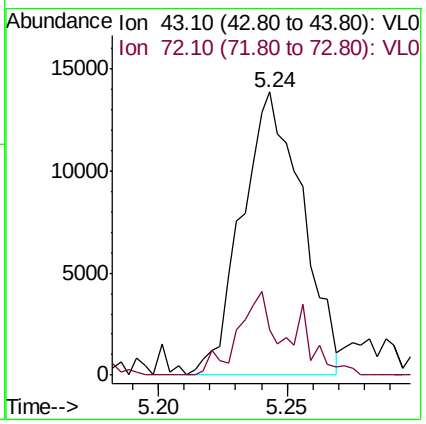


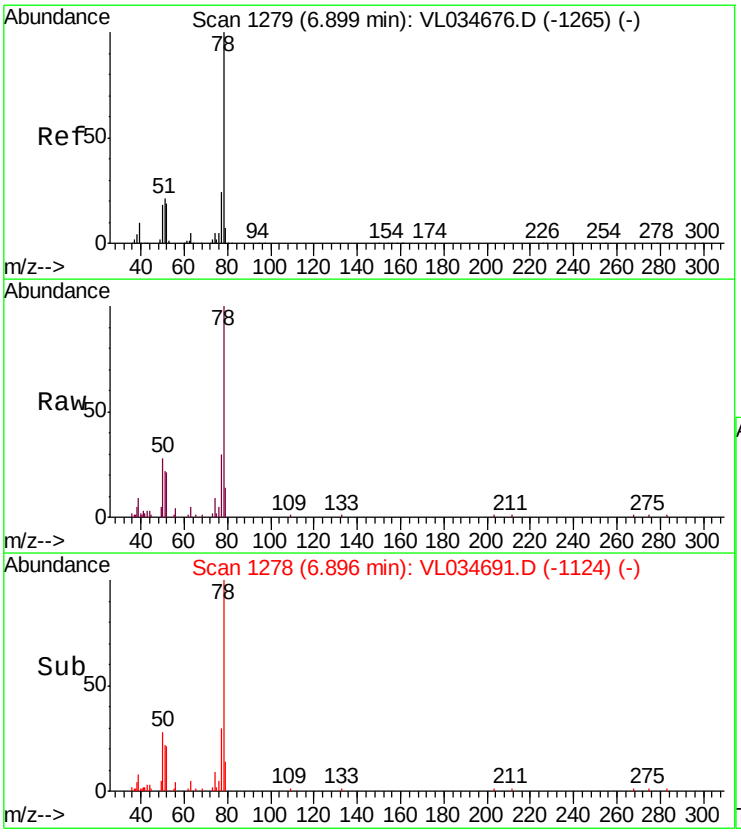
#34
2-Butanone
Concen: 0.191 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 43 Resp: 22633

Ion	Ratio	Lower	Upper
43	100		
72	25.3	18.2	27.2

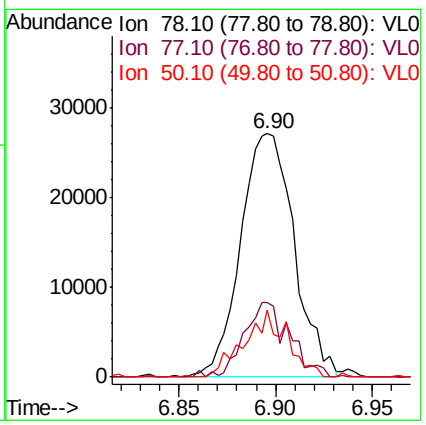


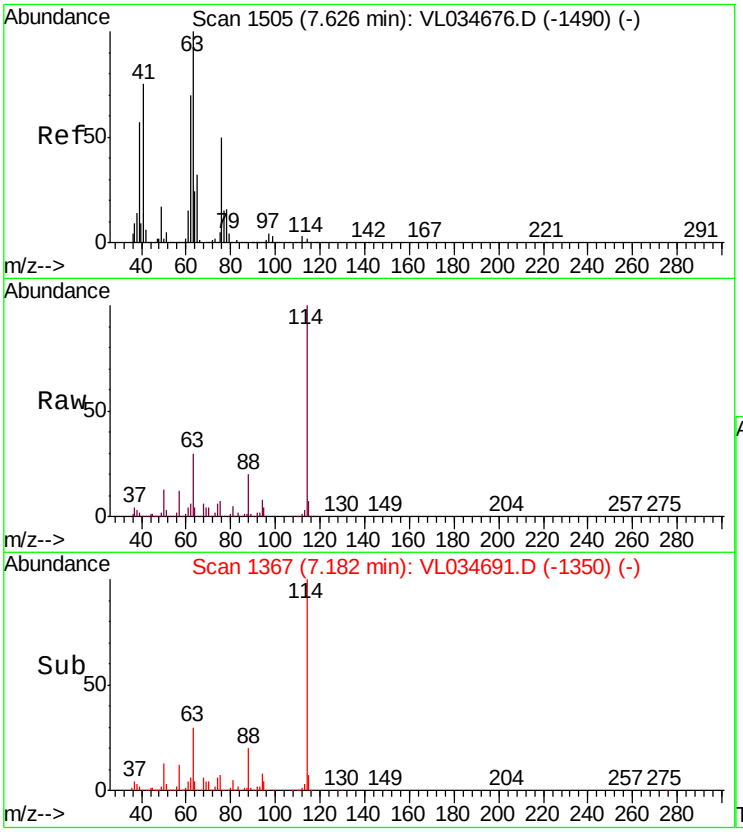


#36
Benzene
Concen: 0.321 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 78 Resp: 52278

Ion	Ratio	Lower	Upper
78	100		
77	30.5	19.5	29.3#
50	27.7	14.6	21.8#



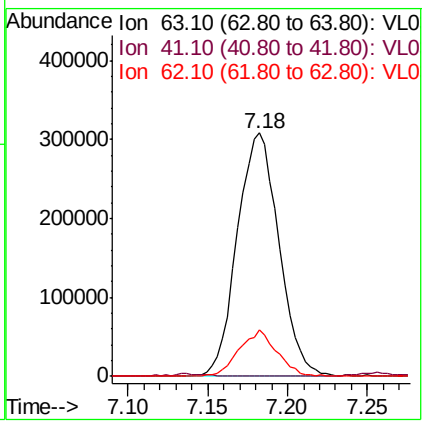


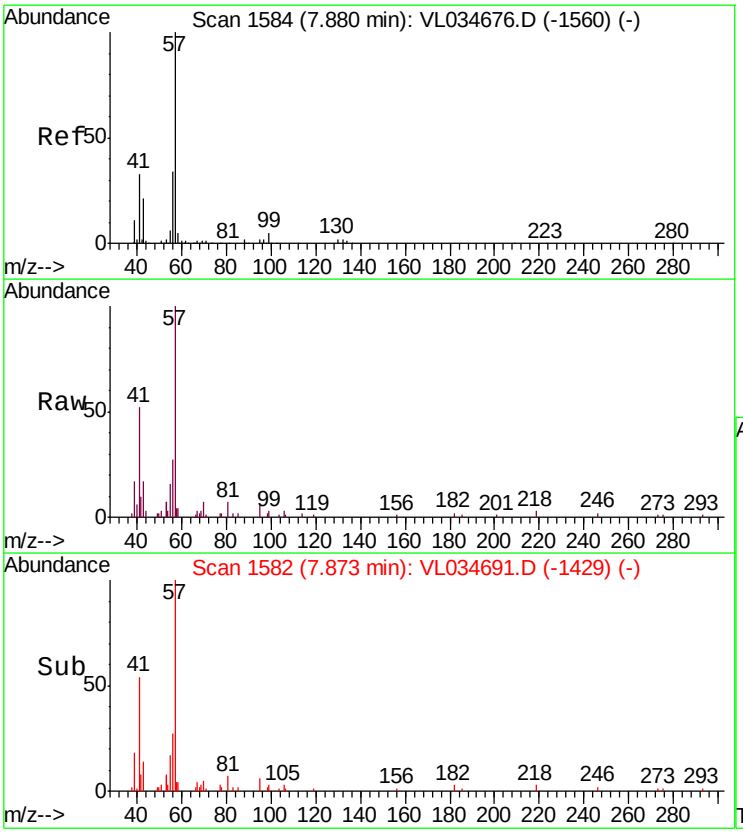
#39
1,2-Dichloropropane
Concen: 8.453 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.44 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument : MSVOA_L
ClientSampleId : CR-104-BRW

Tgt Ion: 63 Resp: 547273

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	19.2	56.3	84.5#

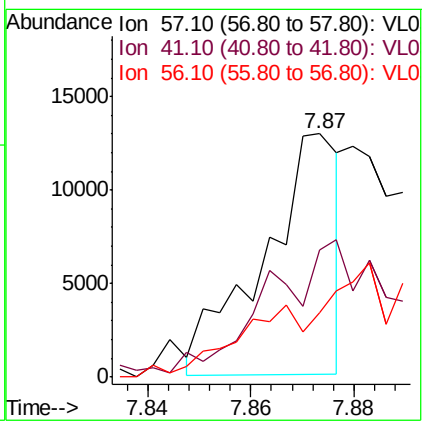


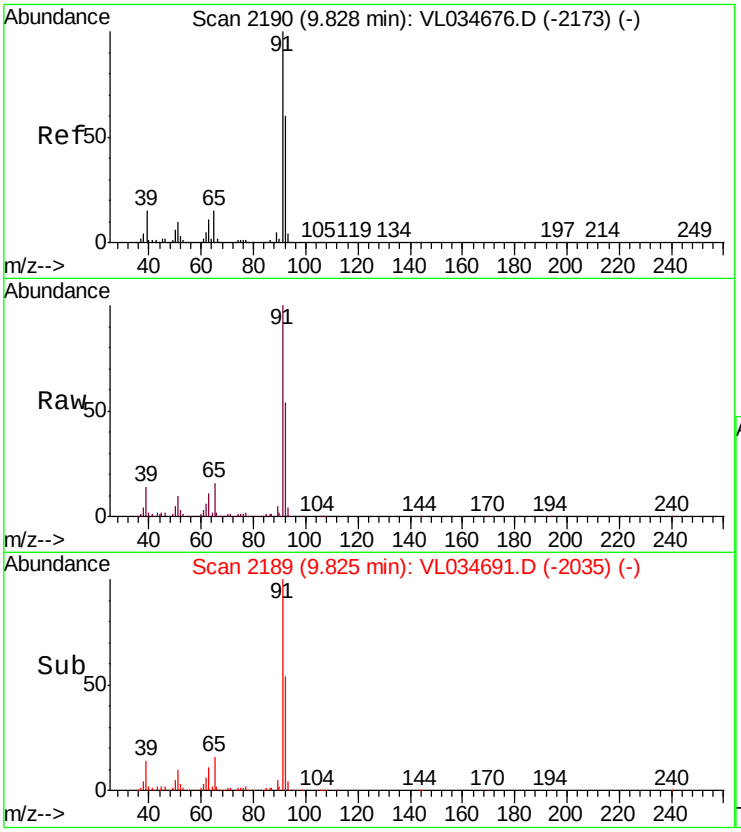


#44
2,2,4-Trimethylpentane
Concen: 0.046 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 57 Resp: 12985

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	0.0	25.6	38.4#



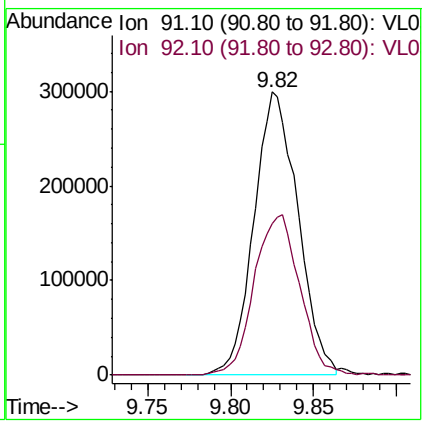


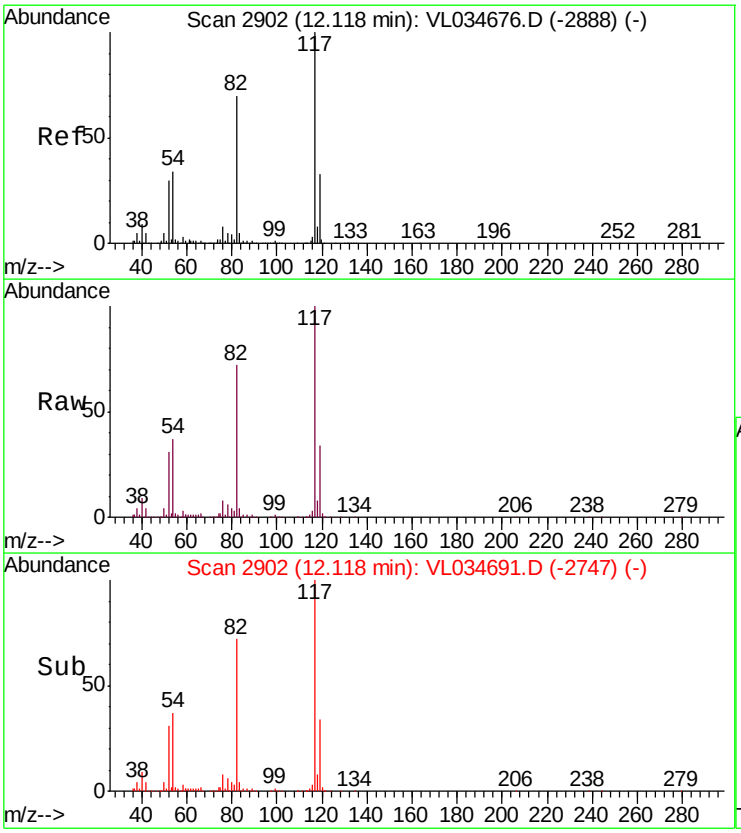
#53
Toluene
Concen: 3.192 ppbv
RT: 9.82 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument : MSVOA_L
ClientSampleId : CR-104-BRW

Tgt Ion: 91 Resp: 552545

Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.5	72.7

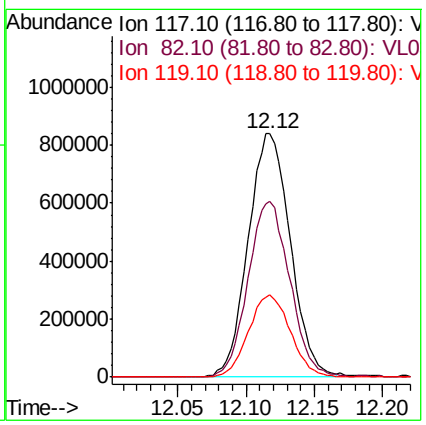


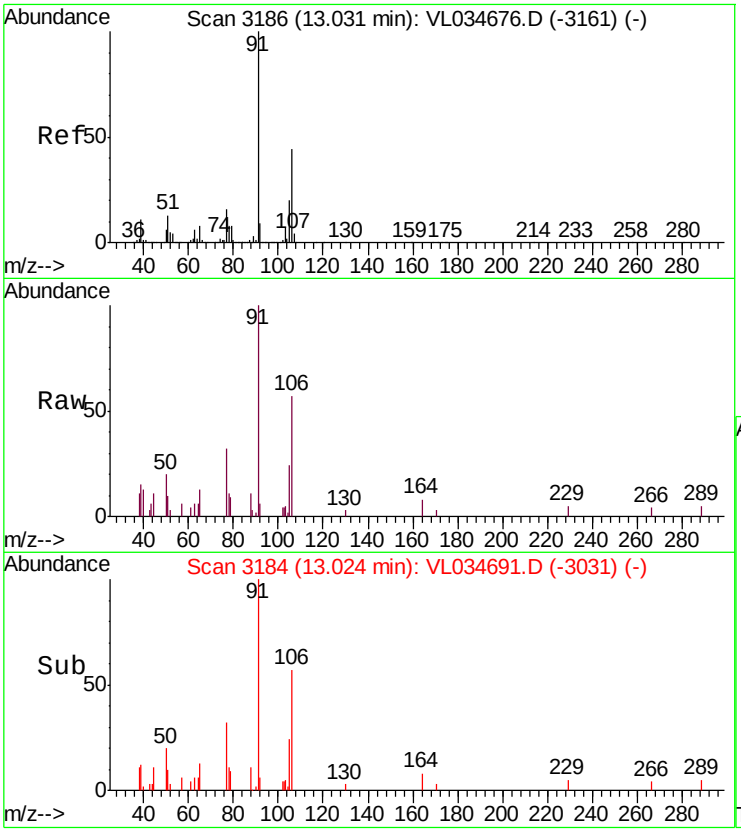


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion:117 Resp: 1800780

Ion	Ratio	Lower	Upper
117	100		
82	71.8	54.1	81.1
119	33.8	27.6	41.4



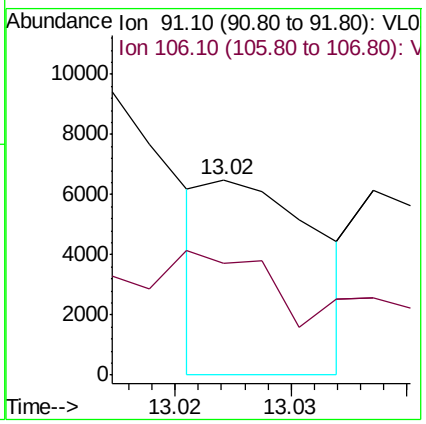


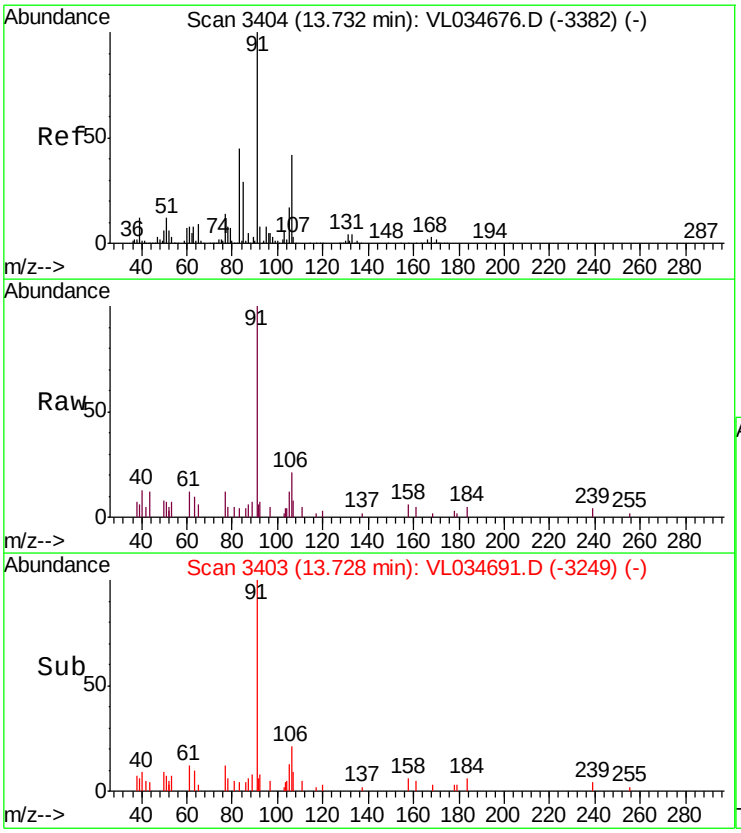
#59
m/p-Xylene
Concen: 0.023 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.01 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 91 Resp: 4284

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#

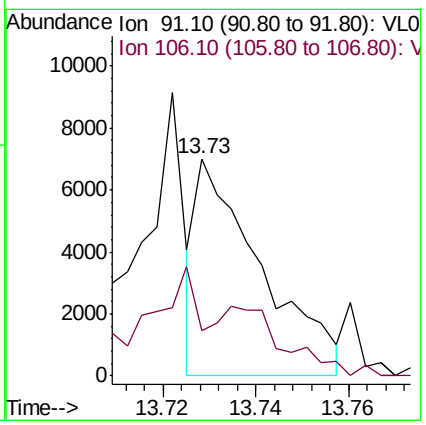


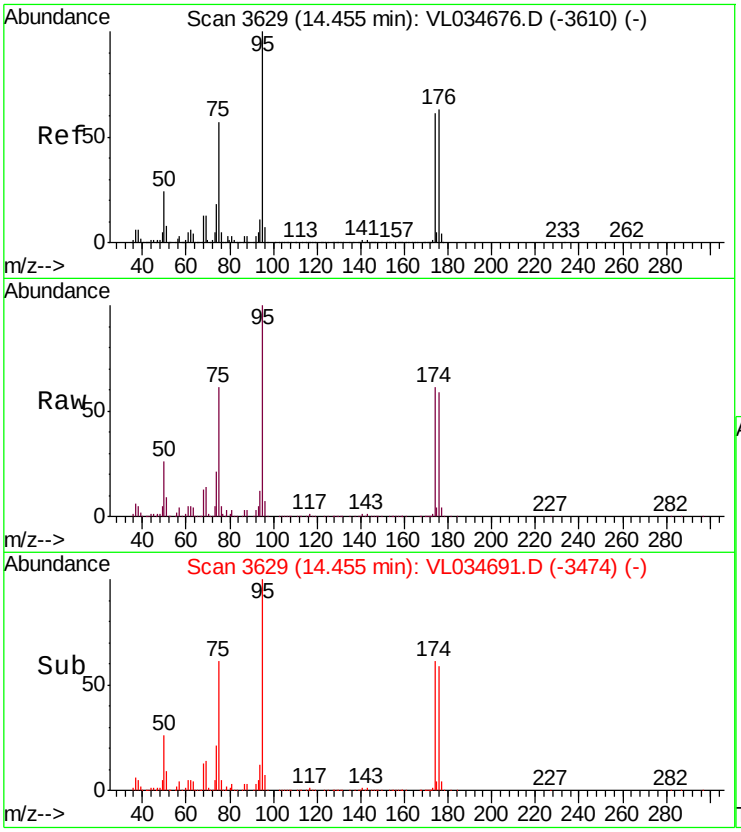


#60
o-Xylene
Concen: 0.036 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Tgt Ion: 91 Resp: 6813

Ion	Ratio	Lower	Upper
91	100		
106	82.0	21.9	65.5#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.502 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. -0.00 min
Lab File: VL034691.D
Acq: 26 Feb 2020 17:10

Instrument :
MSVOA_L
ClientSampleId :
CR-104-BRW

Tgt Ion: 95 Resp: 1550769

Ion	Ratio	Lower	Upper
95	100		
174	62.8	50.7	76.1
175	4.6	3.9	5.9