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

Quantitation Report (Not Reviewed)

Data File : VL034689.D
Acq On : 26 Feb 2020 15:39
Operator : SY/AP
Sample : L1664-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Quant Time: Feb 27 07:27:51 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	914302	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1905845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1848128	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1557498	10.28	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.80%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.95	51	47000	0.476	ppbv #	88
4) Chloromethane	3.11	50	29700	0.538	ppbv	90
9) Propene	3.17	41	113805	2.759	ppbv	93
10) Heptane	8.13	43	6530	0.062	ppbv #	4
11) Trichlorofluoromethane	3.92	101	36070	0.286	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.46	101	5276	0.059	ppbv #	73
13) Ethanol	3.57	45	605857	46.498	ppbv	97
15) Acetone	3.82	43	539843	5.182	ppbv	94
16) 1,3-Butadiene	3.27	39	14495	0.301	ppbv #	53
19) Isopropyl Alcohol	3.95	45	58447	0.942	ppbv #	73
20) Methylene Chloride	4.32	84	63286	1.633	ppbv	88
23) Vinyl Acetate	5.06	43	3436	0.024	ppbv #	6
25) Ethyl Acetate	5.68	43	129770	0.704	ppbv #	81
26) Hexane	5.68	57	172319	2.027	ppbv #	43
30) Cyclohexane	7.13	84	2602	0.039	ppbv #	39
34) 2-Butanone	5.24	43	19375	0.162	ppbv #	53
35) Carbon Tetrachloride	7.02	117	3914	0.031	ppbv #	80
36) Benzene	6.89	78	64657	0.393	ppbv	99
37) 1,2-Dichloroethane	6.30	62	2954	0.028	ppbv #	82
39) 1,2-Dichloropropane	7.18	63	541480	8.268	ppbv #	23
41) Tetrahydrofuran	6.05	42	1750	0.028	ppbv #	36
44) 2,2,4-Trimethylpentane	7.88	57	19055	0.066	ppbv #	35
53) Toluene	9.82	91	764008	4.364	ppbv	98
58) Ethyl Benzene	12.75	91	5033	0.023	ppbv	96
59) m/p-Xylene	13.02	91	6077	0.031	ppbv #	32
60) o-Xylene	13.72	91	14966	0.077	ppbv	88
61) Styrene	13.56	104	4999	0.040	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.79	105	12478	0.055	ppbv #	65

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

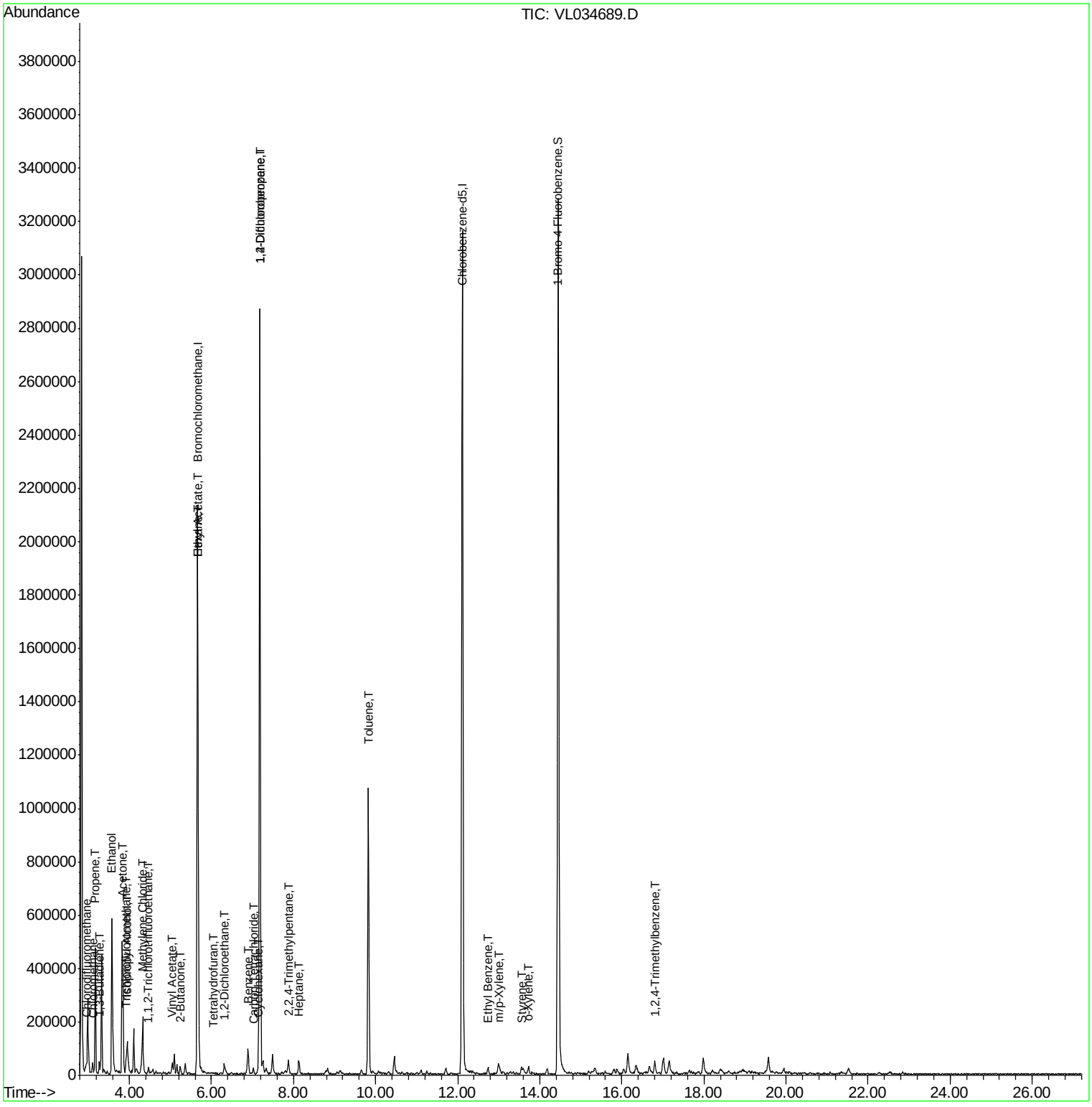
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

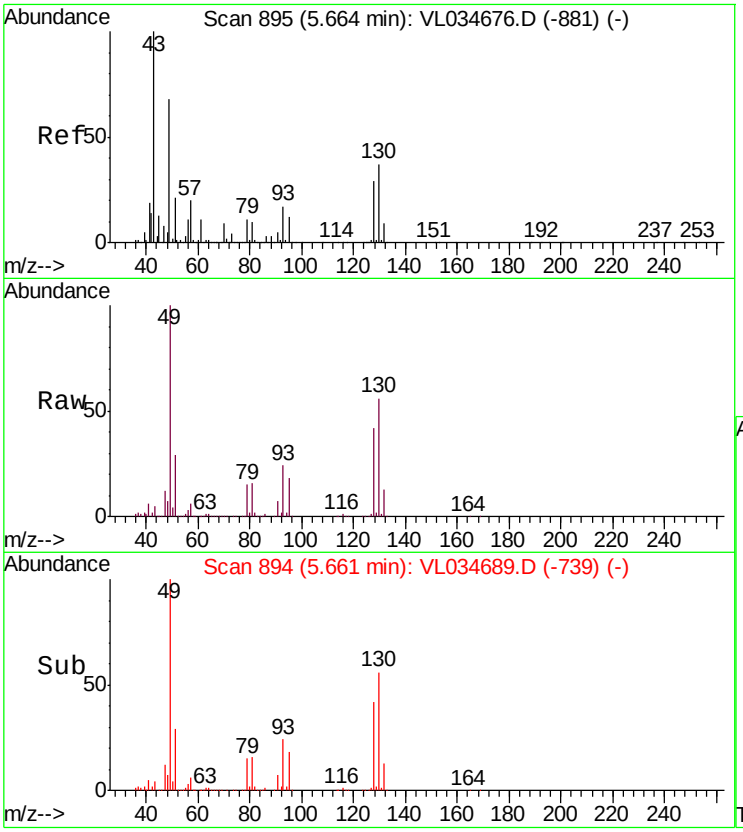
Quantitation Report (Not Reviewed)

Data File : VL034689.D
Acq On : 26 Feb 2020 15:39
Operator : SY/AP
Sample : L1664-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Quant Time: Feb 27 07:27:51 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



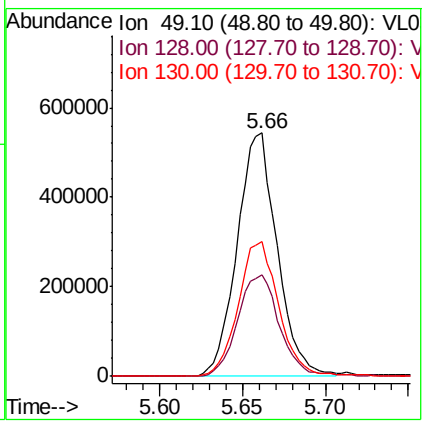


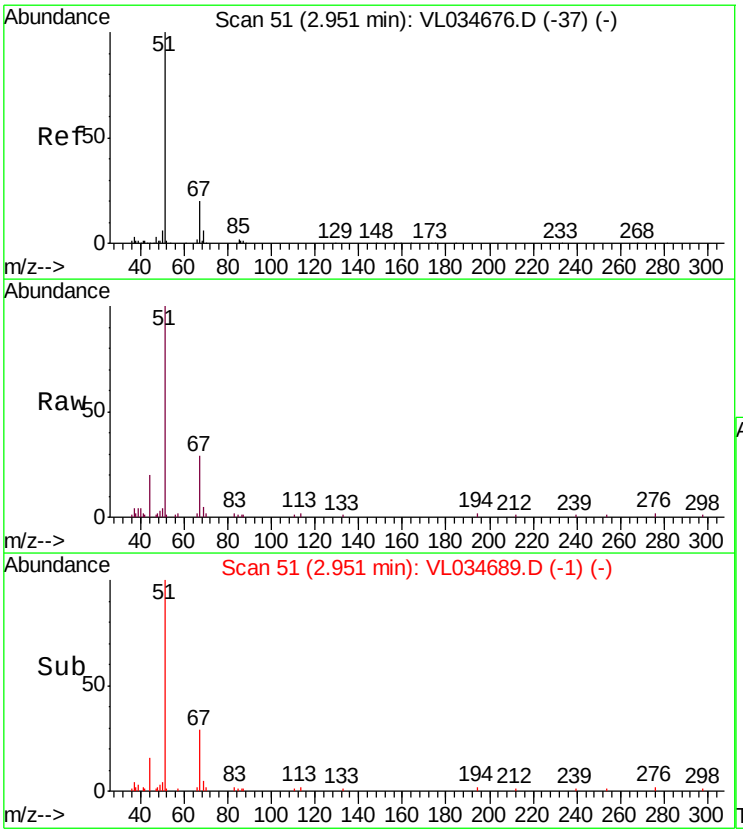
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion: 49 Resp: 914302

Ion	Ratio	Lower	Upper
49	100		
128	43.6	21.6	65.0
130	56.3	27.7	83.1

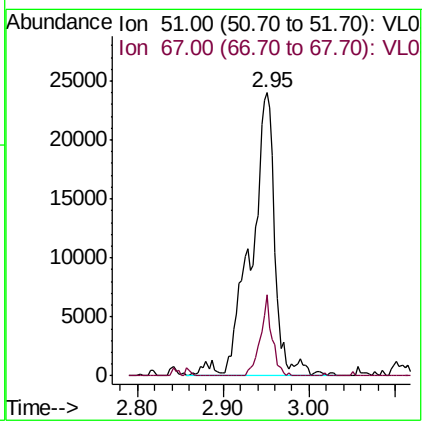


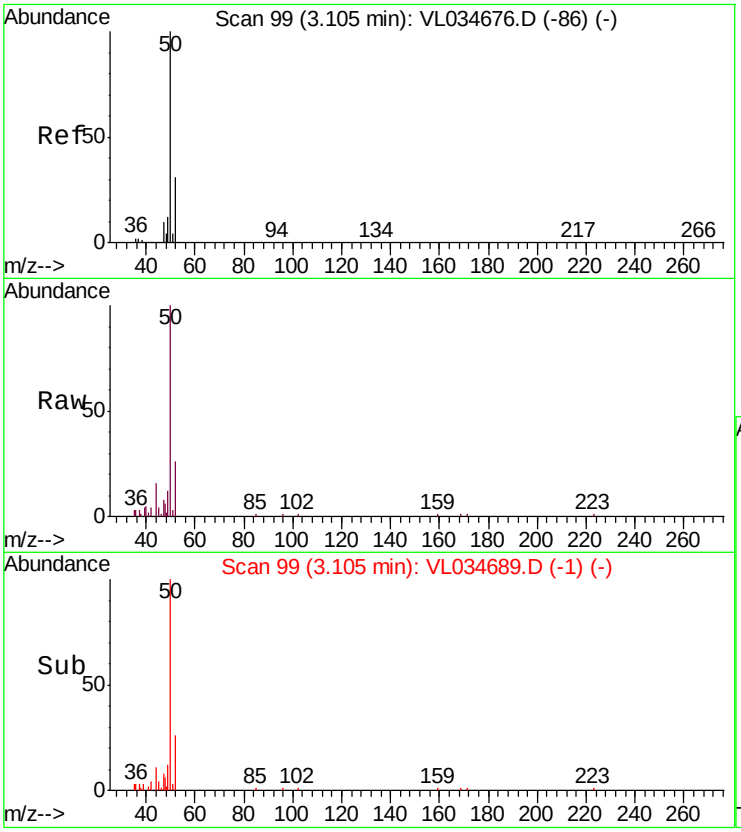


#3
Chlorodifluoromethane
Concen: 0.476 ppbv
RT: 2.95 min Scan# 51
Delta R.T. 0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 51 Resp: 47000

Ion	Ratio	Lower	Upper
51	100		
67	13.9	15.5	23.3#



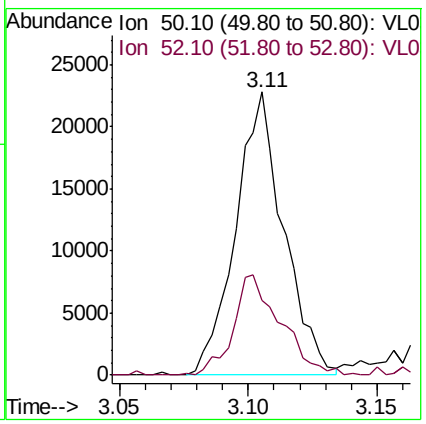


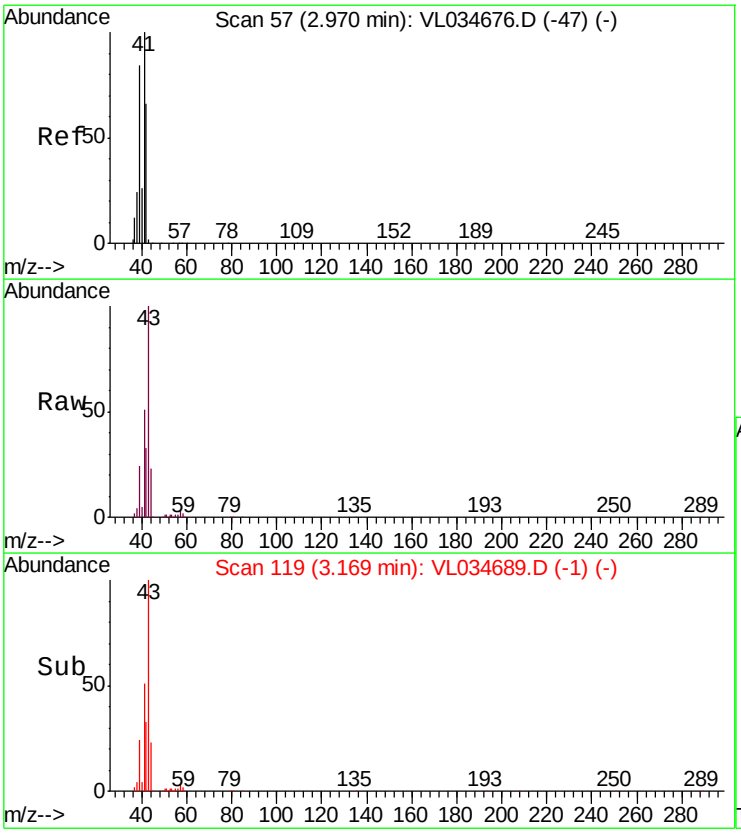
#4
Chloromethane
Concen: 0.538 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion: 50 Resp: 29700

Ion	Ratio	Lower	Upper
50	100		
52	25.5	25.0	37.4

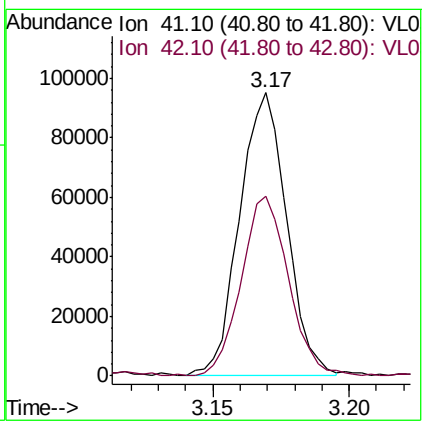


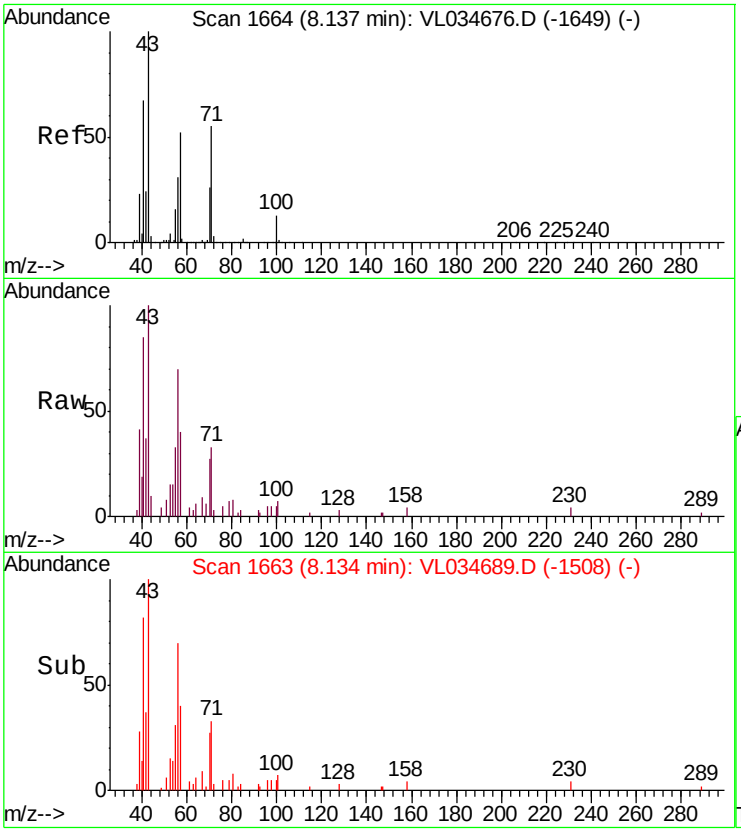


#9
Propene
Concen: 2.759 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.20 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 41 Resp: 113805

Ion	Ratio	Lower	Upper
41	100		
42	63.3	54.9	82.3



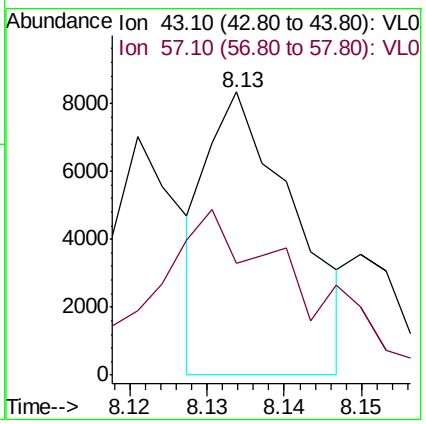


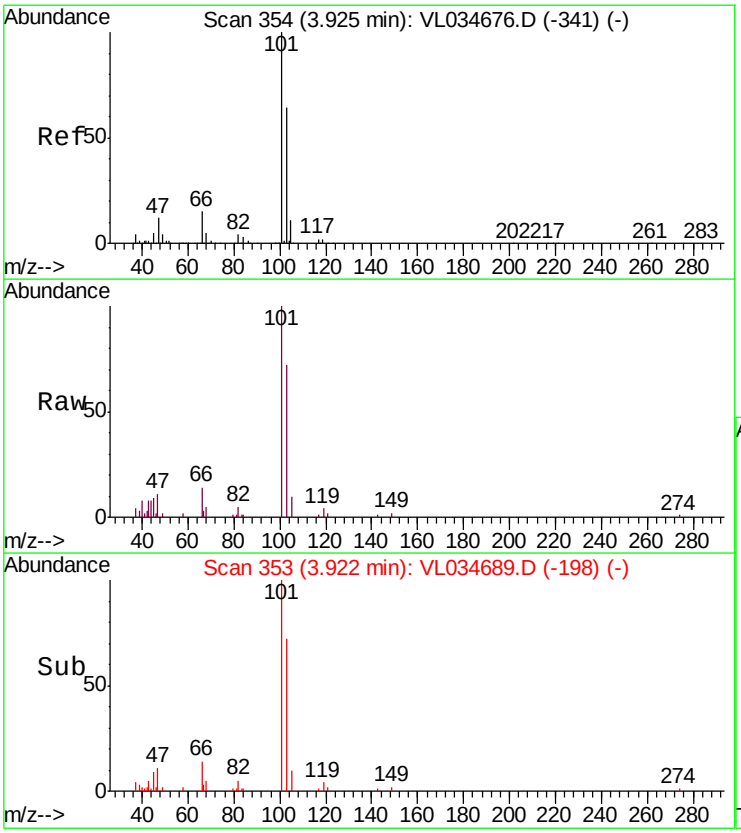
#10
Heptane
Concen: 0.062 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Tgt Ion: 43 Resp: 6530

Ion	Ratio	Lower	Upper
43	100		
57	118.6	41.0	61.6#

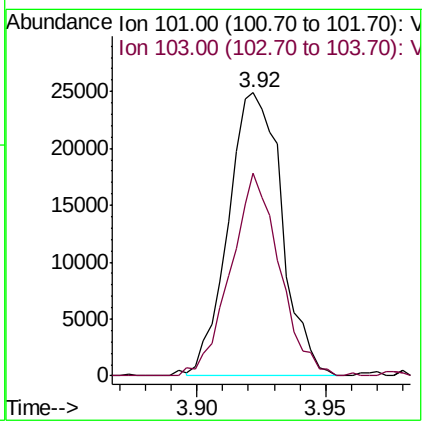


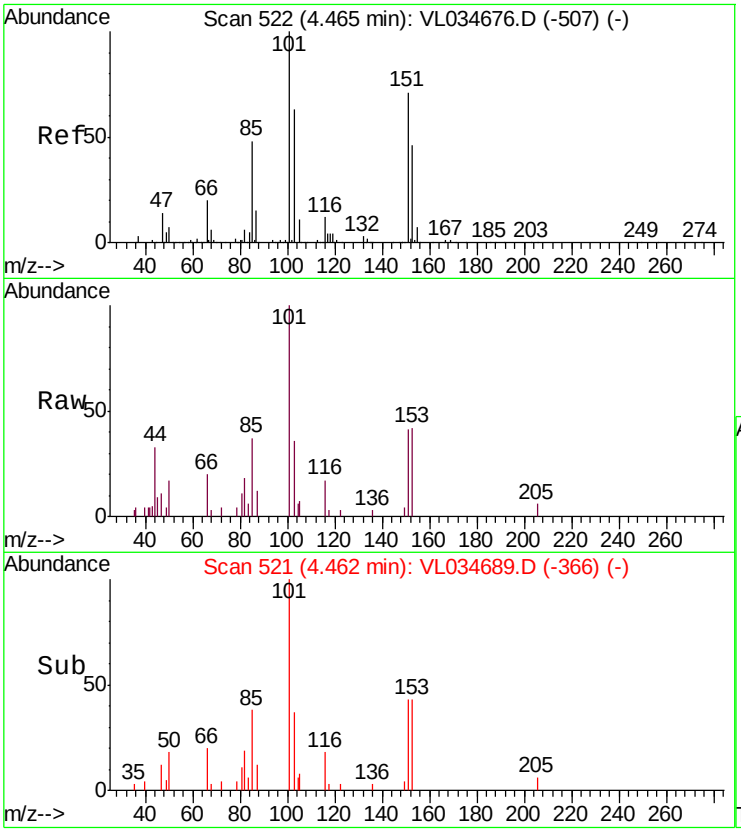


#11
Trichlorofluoromethane
Concen: 0.286 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion:101 Resp: 36070

Ion	Ratio	Lower	Upper
101	100		
103	71.7	51.2	76.8



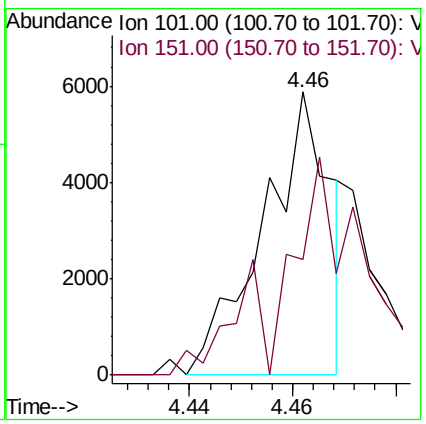


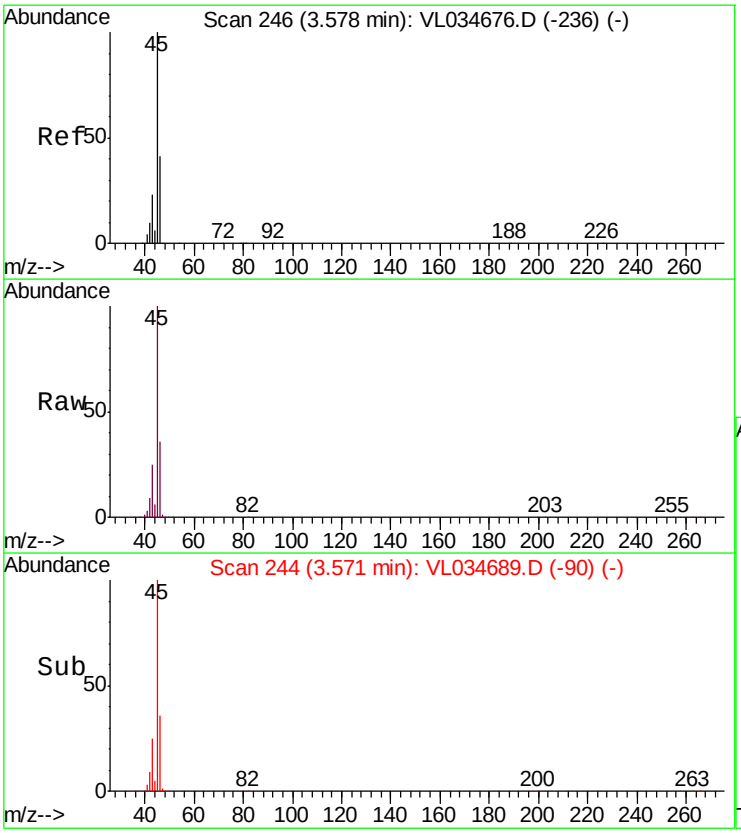
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion:101 Resp: 5276

Ion	Ratio	Lower	Upper
101	100		
151	91.4	55.8	83.6#

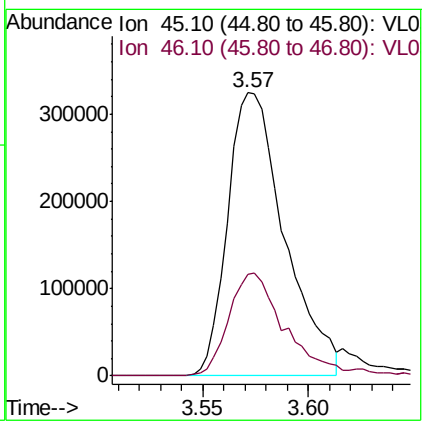


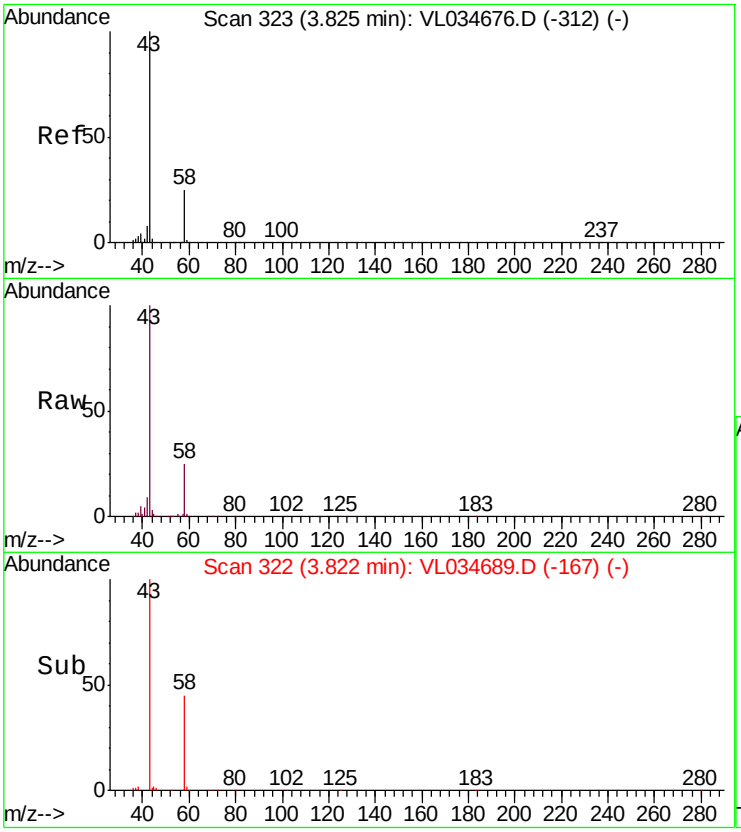


#13
Ethanol
Concen: 46.498 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 45 Resp: 605857

Ion	Ratio	Lower	Upper
45	100		
46	36.9	15.4	61.4



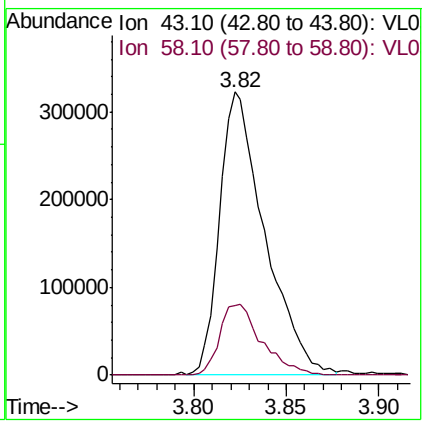


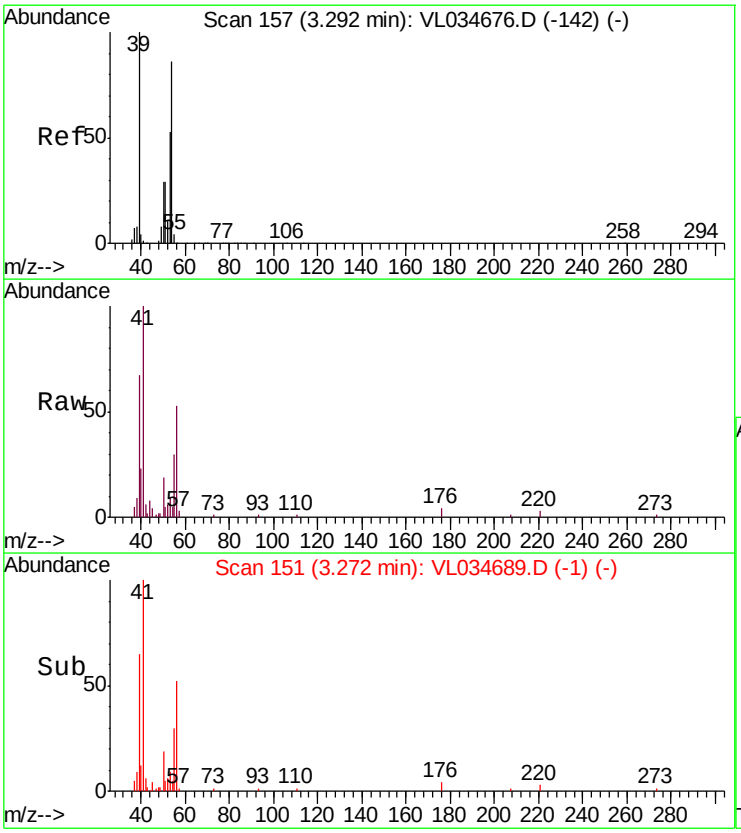
#15
Acetone
Concen: 5.182 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion: 43 Resp: 539843

Ion	Ratio	Lower	Upper
43	100		
58	23.8	21.4	32.0

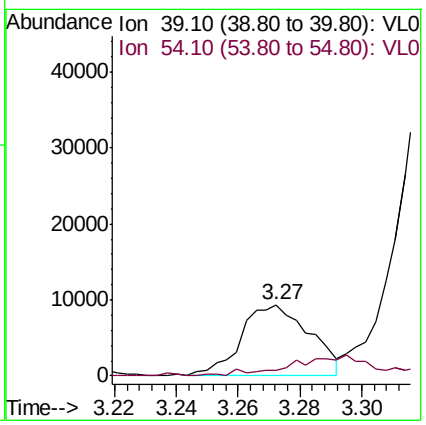


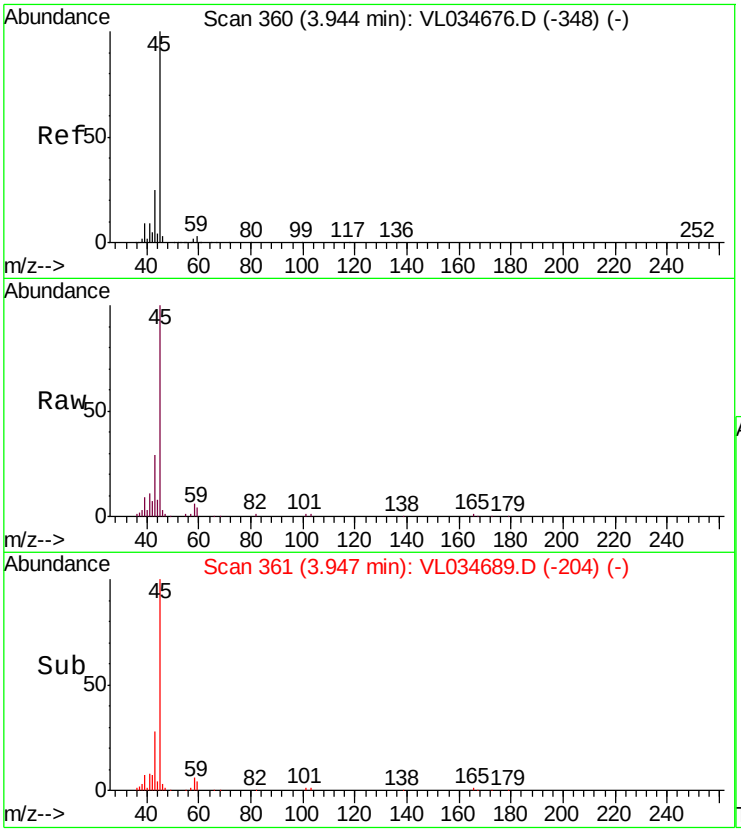


#16
1,3-Butadiene
Concen: 0.301 ppbv
RT: 3.27 min Scan# 151
Delta R.T. -0.02 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 39 Resp: 14495

Ion	Ratio	Lower	Upper
39	100		
54	41.7	67.0	100.6#



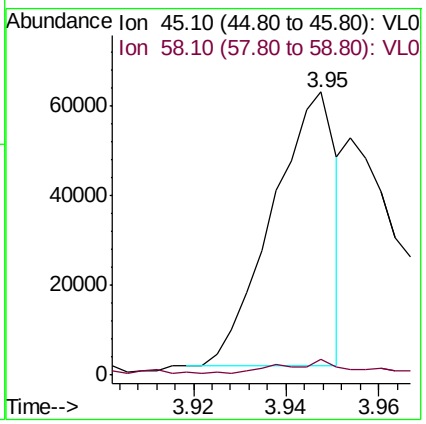


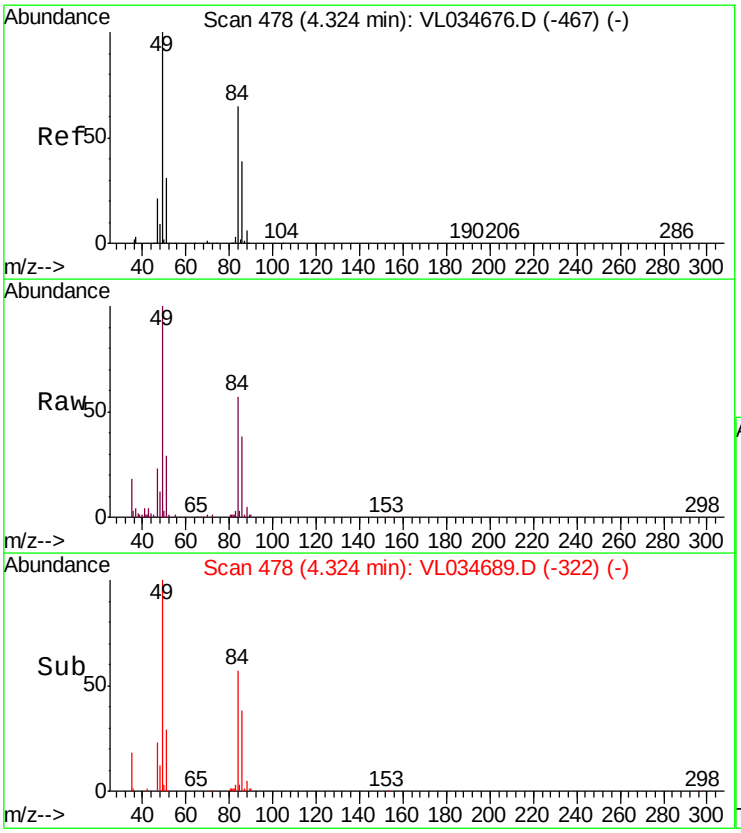
#19
Isopropyl Alcohol
Concen: 0.942 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Tgt Ion: 45 Resp: 58447

Ion	Ratio	Lower	Upper
45	100		
58	11.5	1.8	2.6#

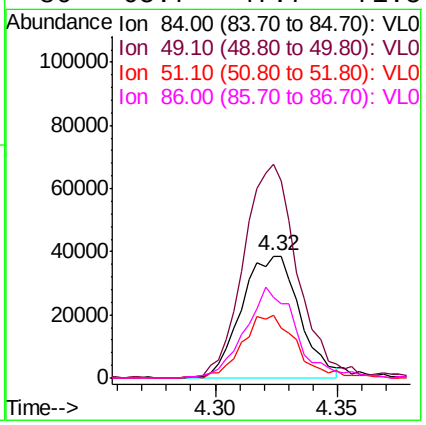


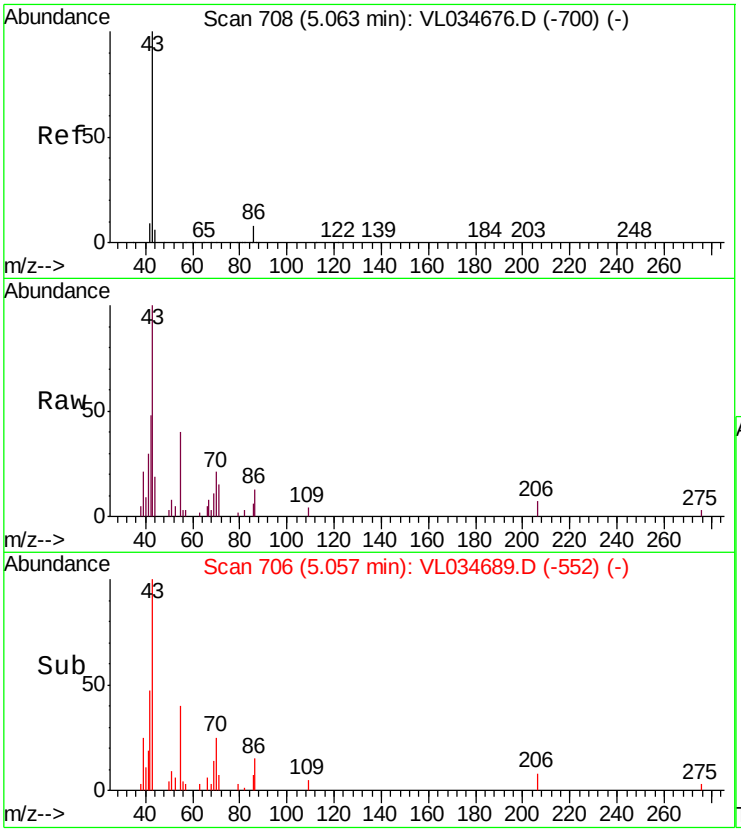


#20
Methylene Chloride
Concen: 1.633 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 84 Resp: 63286

Ion	Ratio	Lower	Upper
84	100		
49	174.2	122.8	184.2
51	50.1	38.6	58.0
86	65.7	47.7	71.5



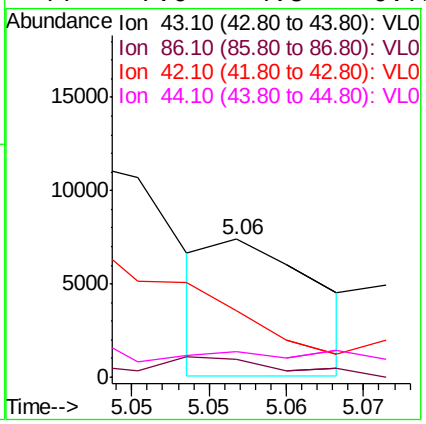


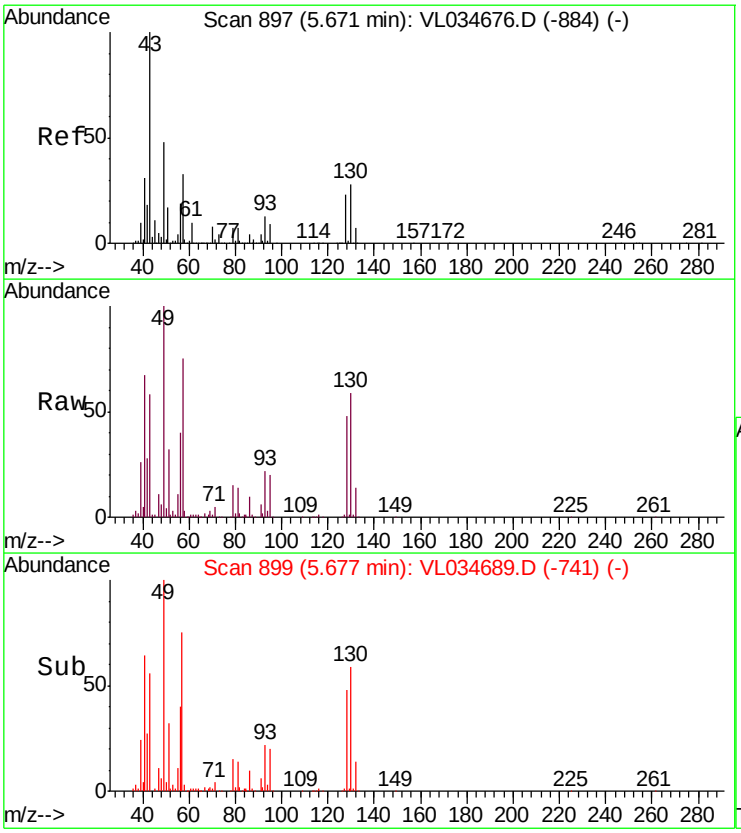
#23
Vinyl Acetate
Concen: 0.024 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Tgt Ion: 43 Resp: 3436

Ion	Ratio	Lower	Upper
43	100		
86	16.7	6.0	9.0#
42	81.9	8.0	12.0#
44	7.0	4.5	6.7#

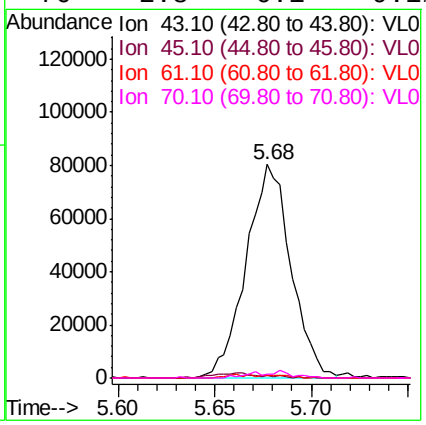


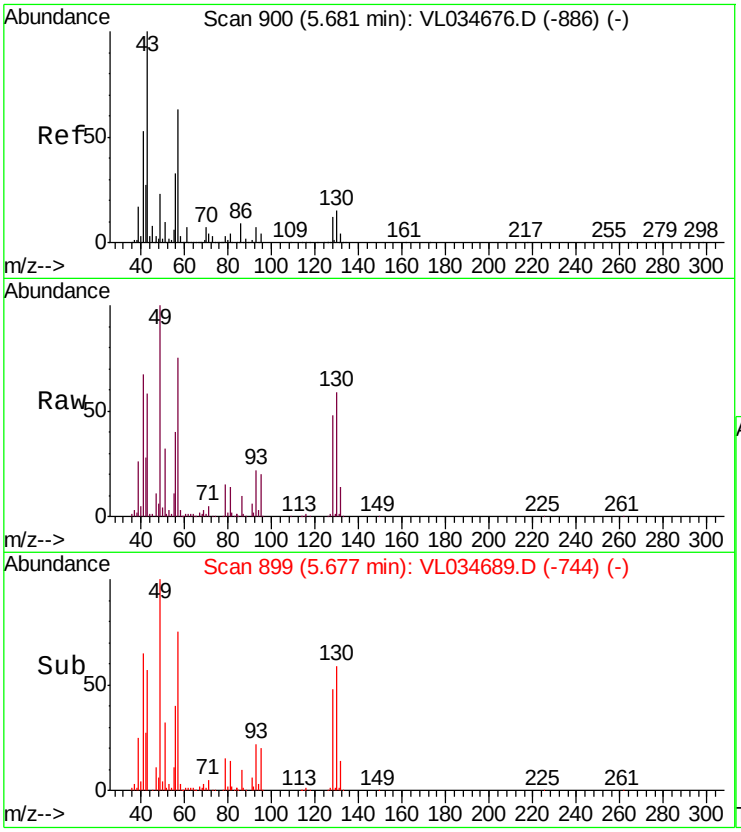


#25
Ethyl Acetate
Concen: 0.704 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 43 Resp: 129770

Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.2	12.4#
61	1.8	7.8	11.6#
70	2.8	6.1	9.1#



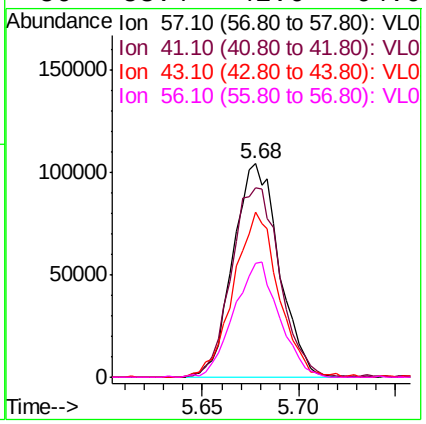


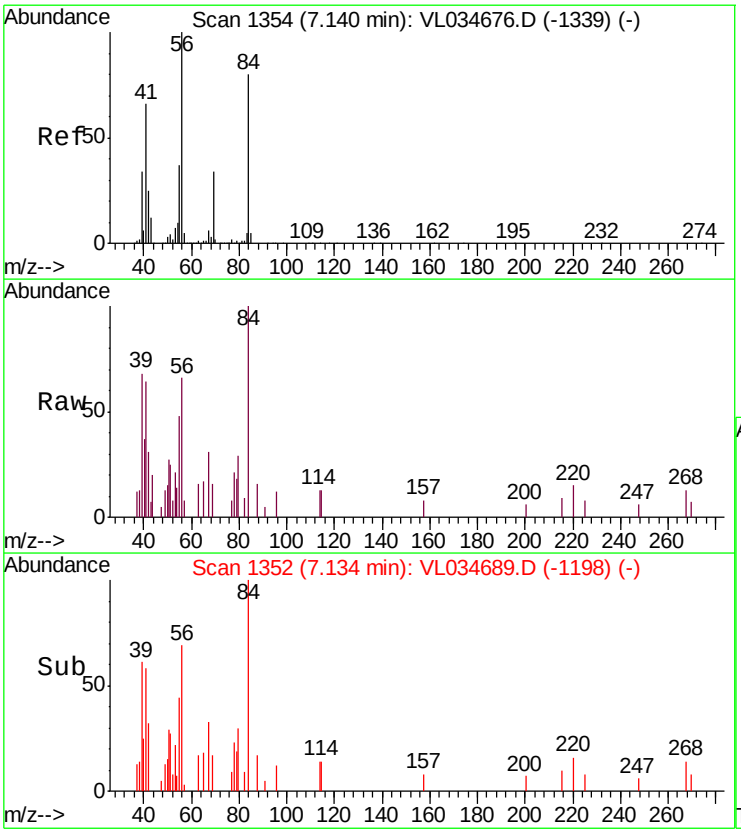
#26
Hexane
Concen: 2.027 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion: 57 Resp: 172319

Ion	Ratio	Lower	Upper
57	100		
41	94.4	70.3	105.5
43	76.2	177.0	265.4#
56	53.4	42.6	64.0

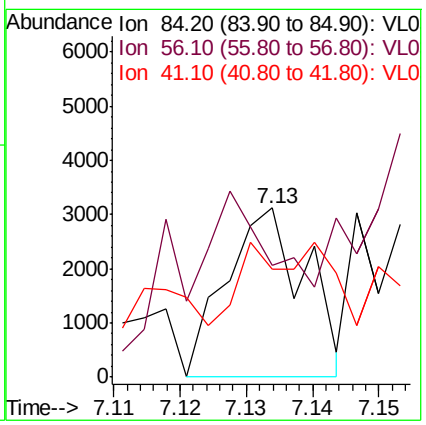


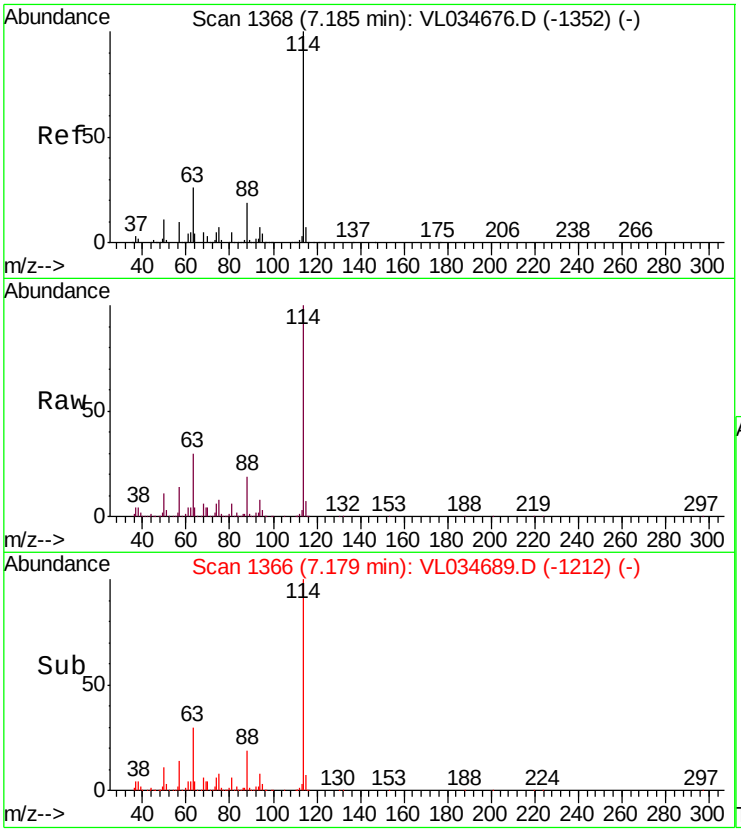


#30
Cyclohexane
Concen: 0.039 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 84 Resp: 2602

Ion	Ratio	Lower	Upper
84	100		
56	149.9	113.4	170.2
41	223.7	68.2	102.4#



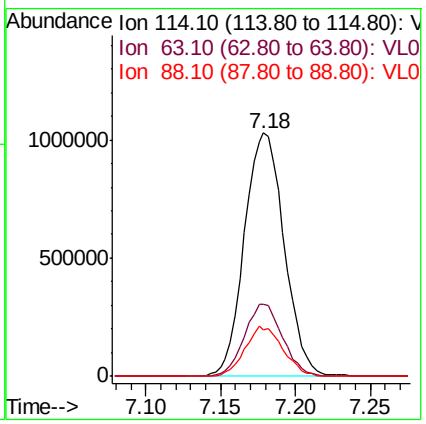


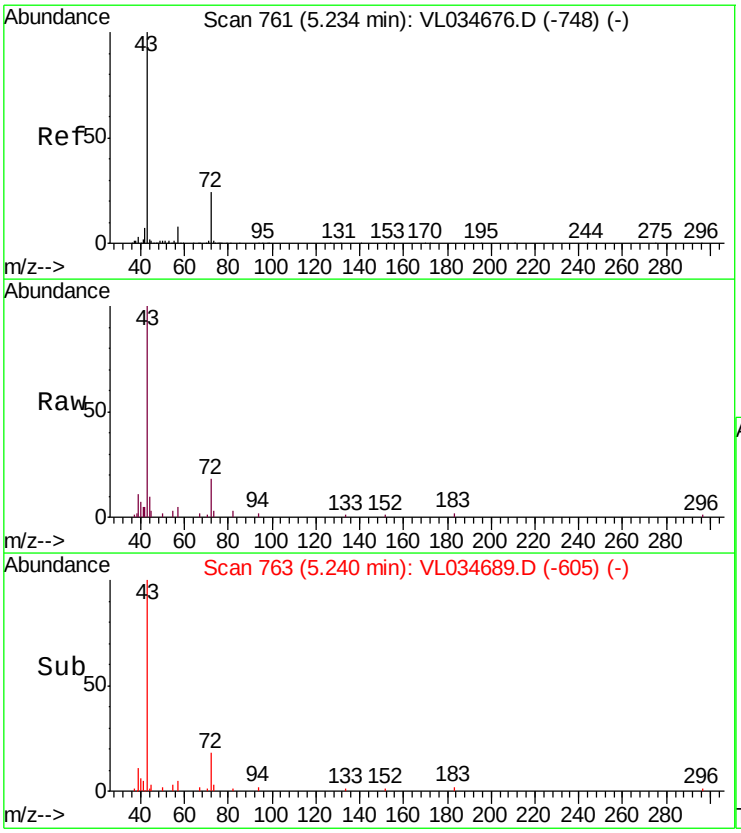
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion:114 Resp: 1905845

Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.9	34.3
88	19.7	15.8	23.6

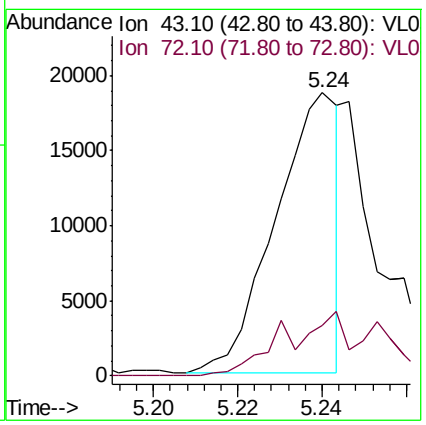


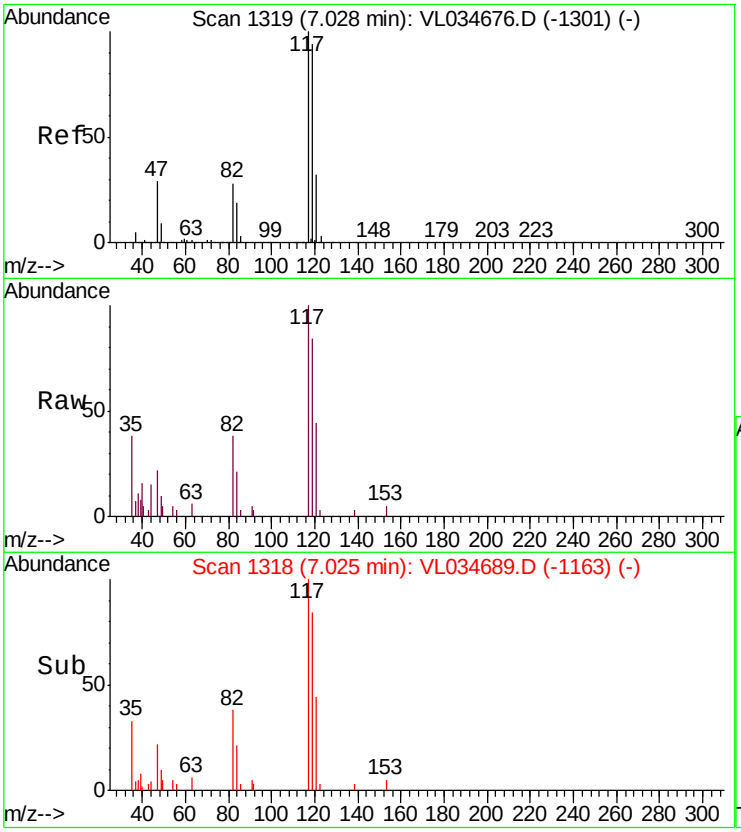


#34
2-Butanone
Concen: 0.162 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 43 Resp: 19375

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#



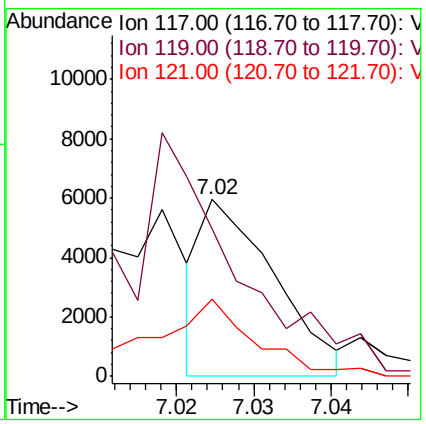


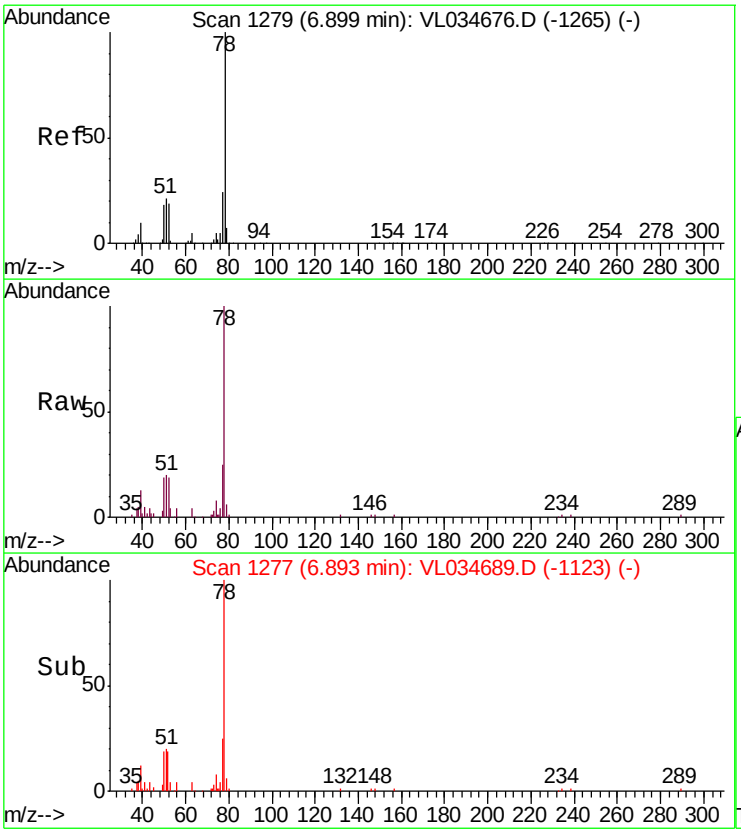
#35
Carbon Tetrachloride
Concen: 0.031 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Tgt Ion:117 Resp: 3914

Ion	Ratio	Lower	Upper
117	100		
119	76.6	75.5	113.3
121	46.5	25.4	38.0#

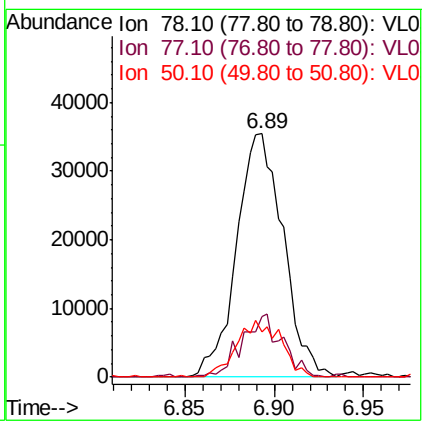


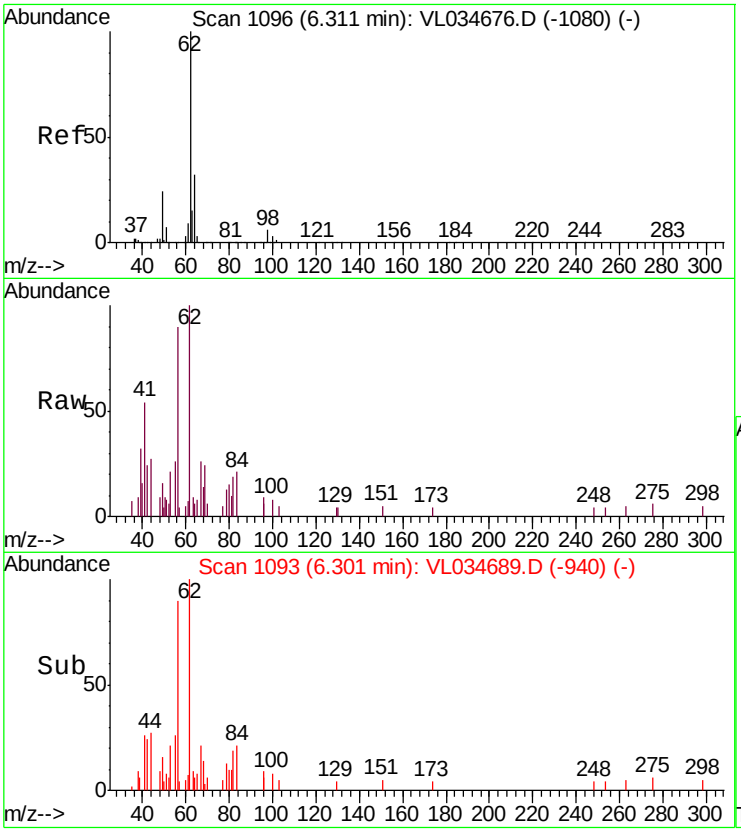


#36
Benzene
Concen: 0.393 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 78 Resp: 64657

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3
50	18.5	14.6	21.8



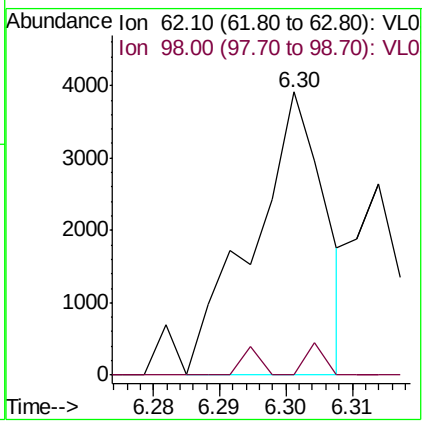


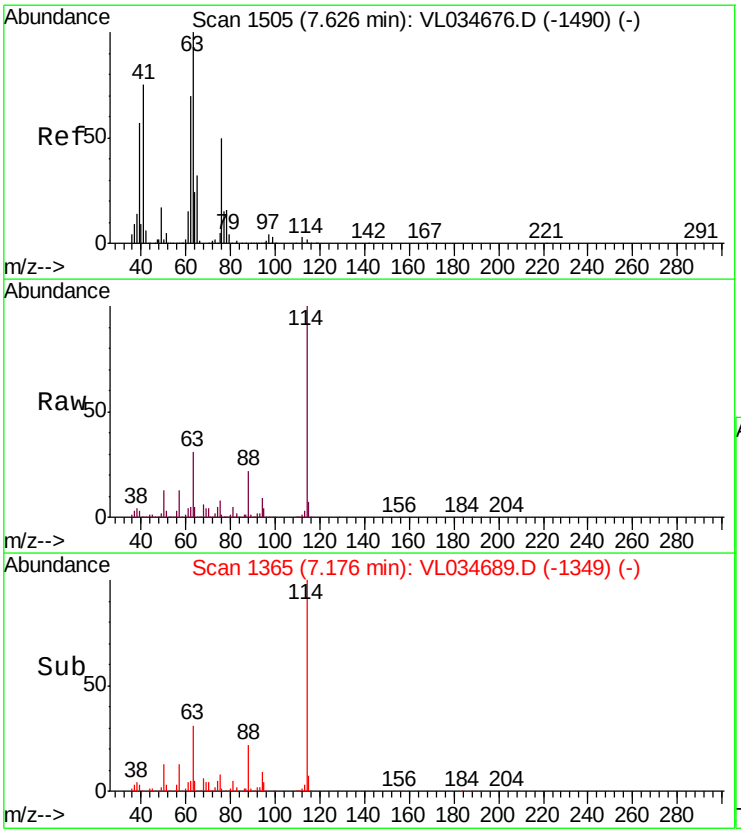
#37
1,2-Dichloroethane
Concen: 0.028 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion: 62 Resp: 2954

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.7	7.1#

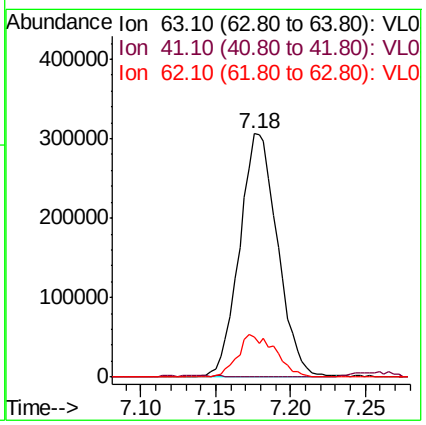


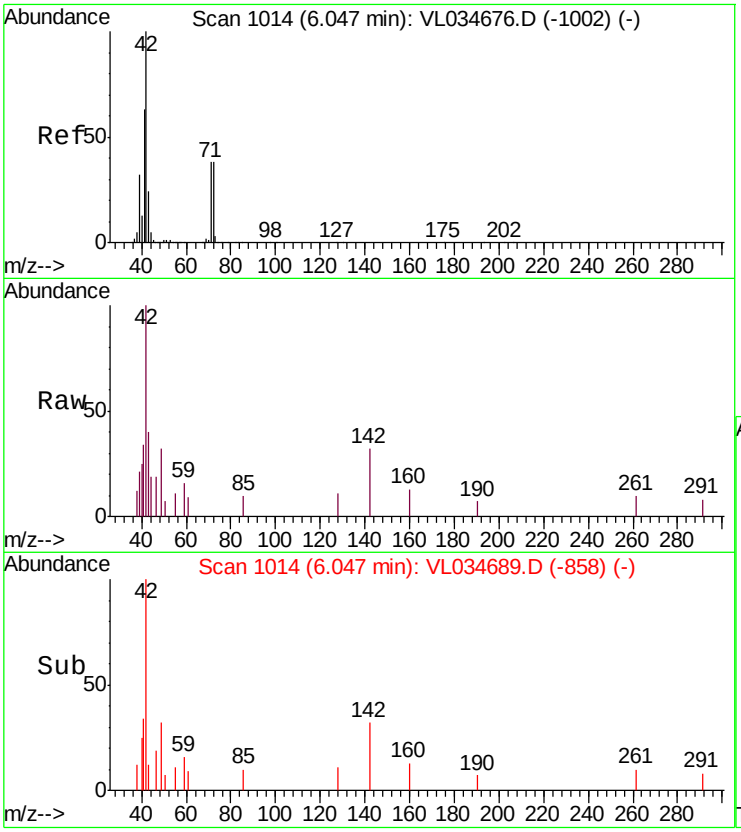


#39
1,2-Dichloropropane
Concen: 8.268 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.45 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 63 Resp: 541480

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.2	90.4#
62	16.5	56.3	84.5#



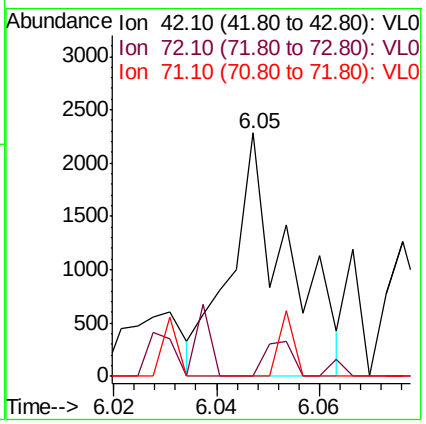


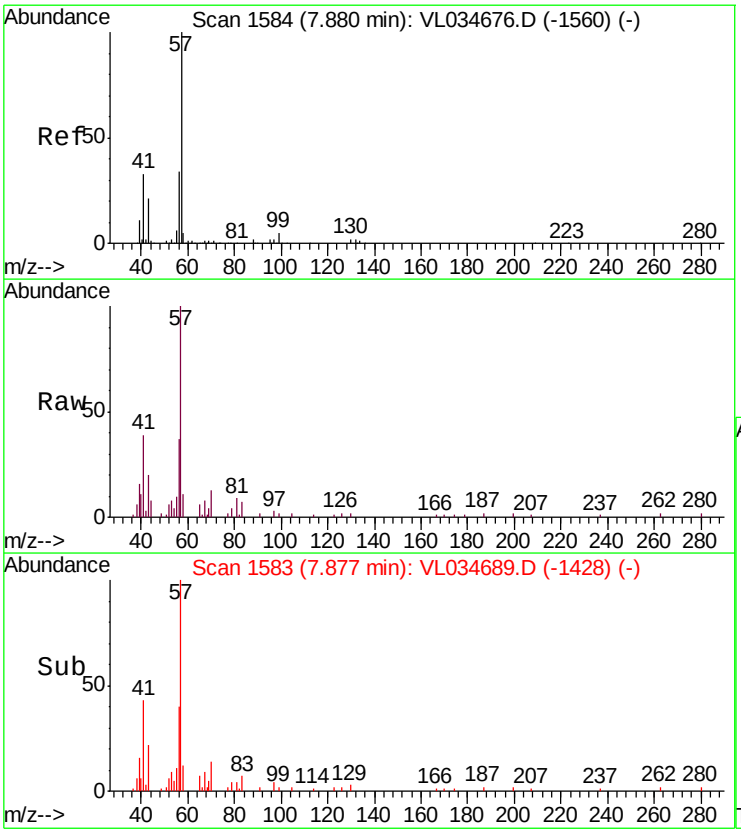
#41
Tetrahydrofuran
Concen: 0.028 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Tgt Ion: 42 Resp: 1750

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	0.0	30.7	46.1#

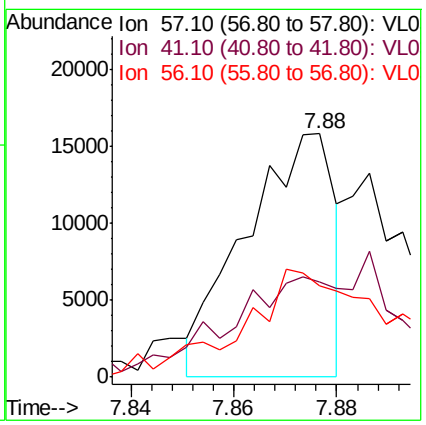


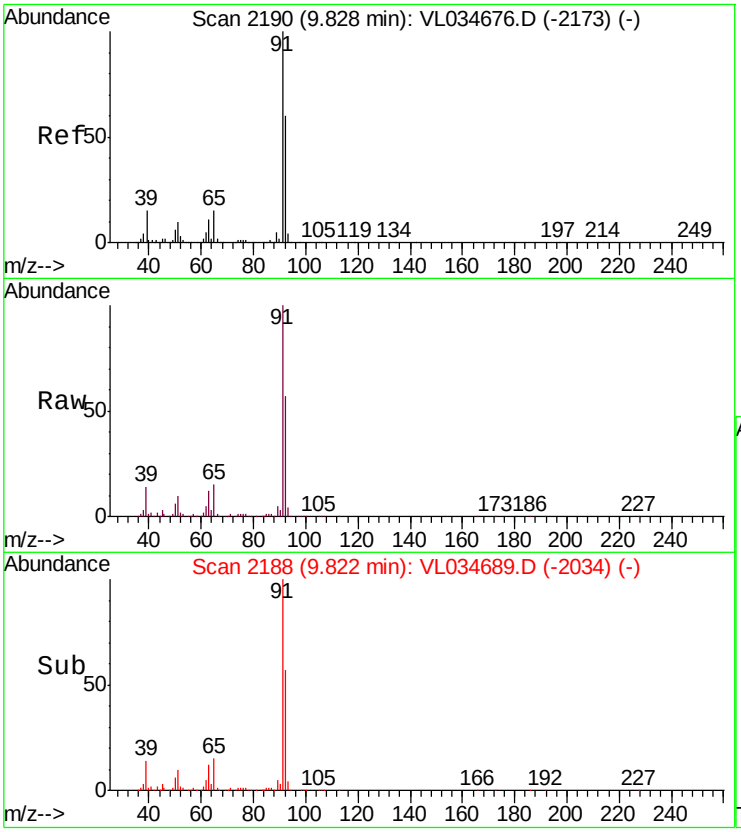


#44
2,2,4-Trimethylpentane
Concen: 0.066 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 57 Resp: 19055

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	71.7	25.6	38.4#



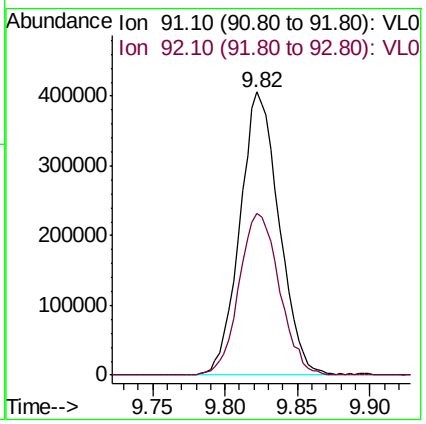


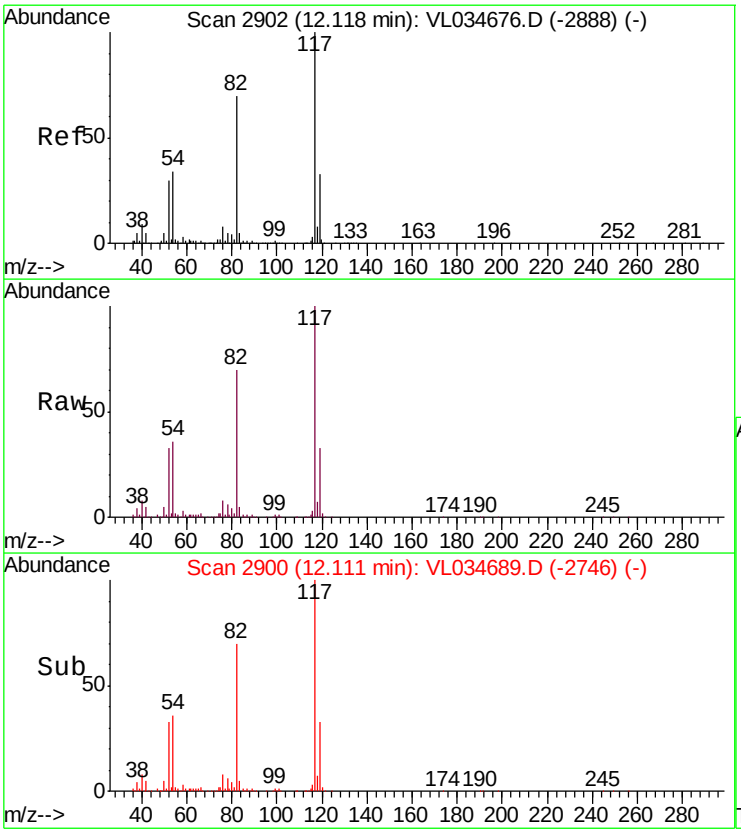
#53
Toluene
Concen: 4.364 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion: 91 Resp: 764008

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.5	72.7

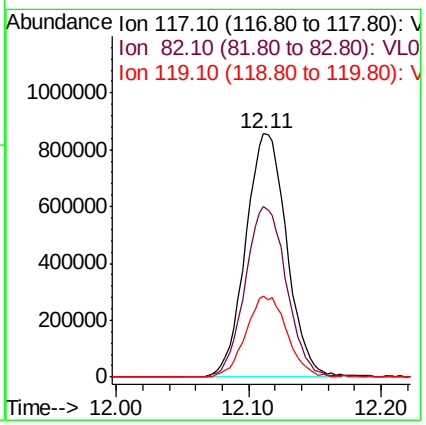


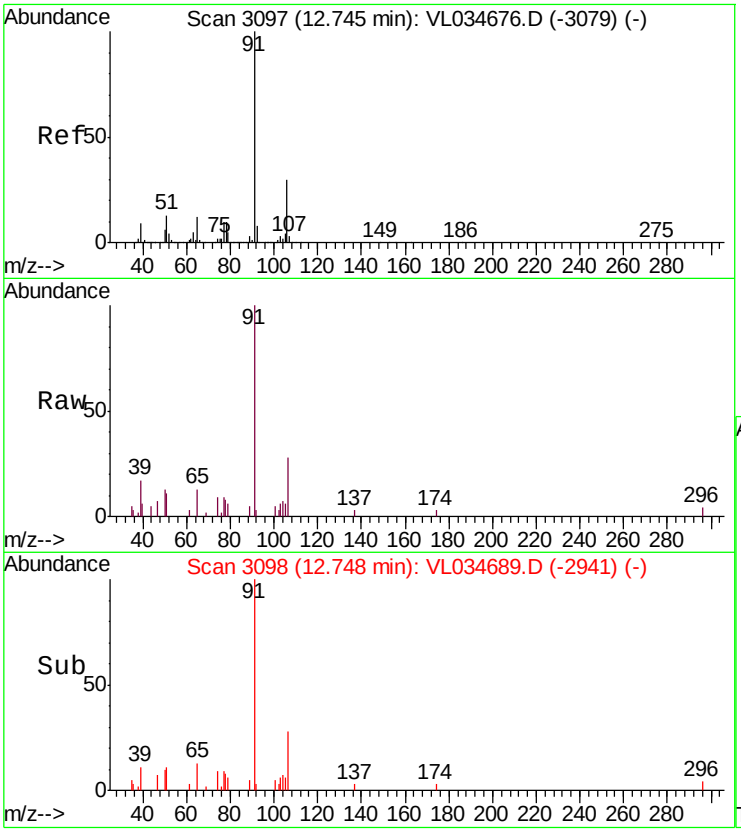


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion:117 Resp: 1848128

Ion	Ratio	Lower	Upper
117	100		
82	70.9	54.1	81.1
119	33.6	27.6	41.4



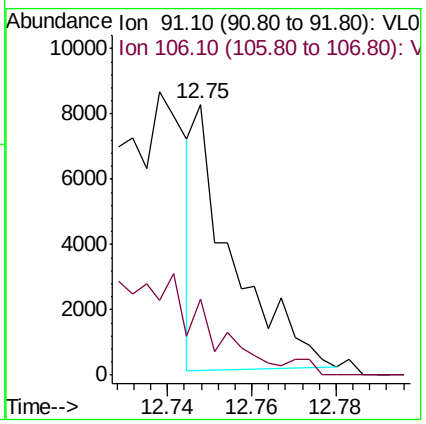


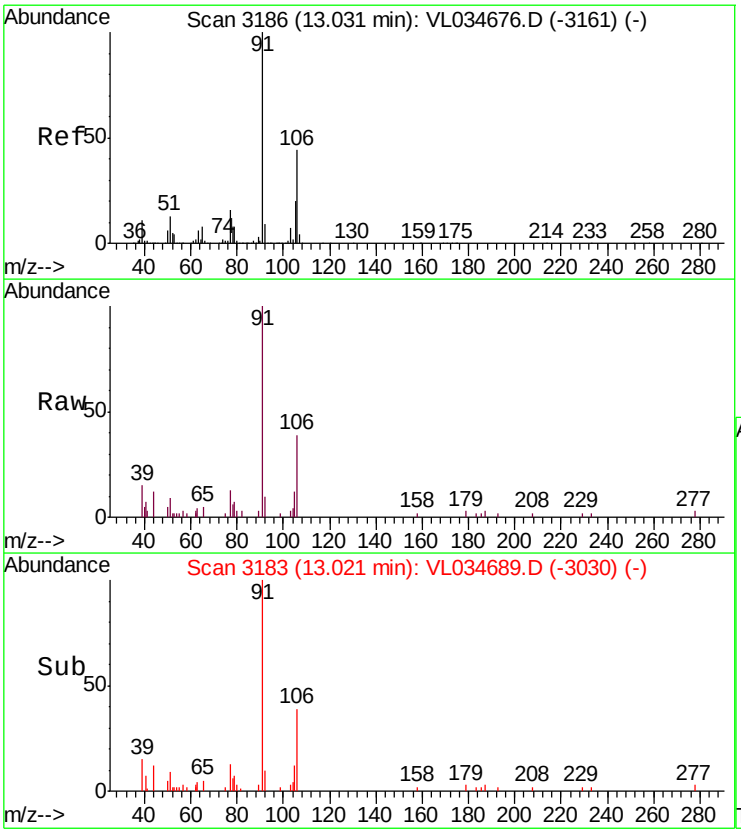
#58
Ethyl Benzene
Concen: 0.023 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Tgt Ion: 91 Resp: 5033

Ion	Ratio	Lower	Upper
91	100		
106	27.9	24.0	36.0

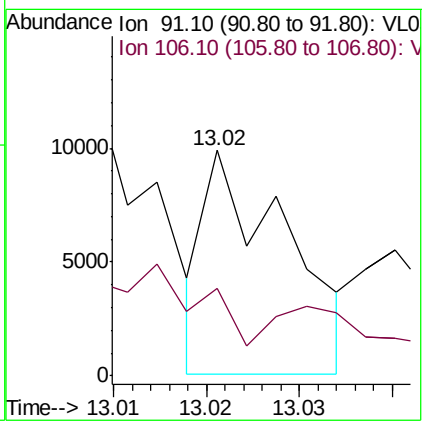


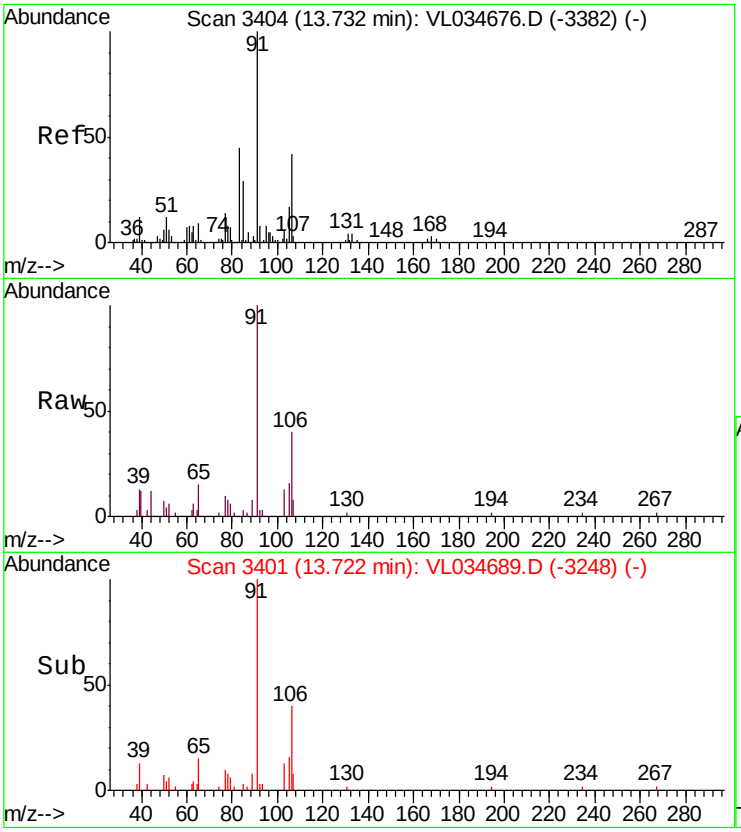


#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion: 91 Resp: 6077

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#



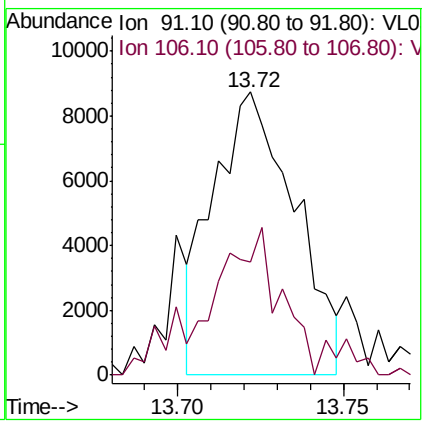


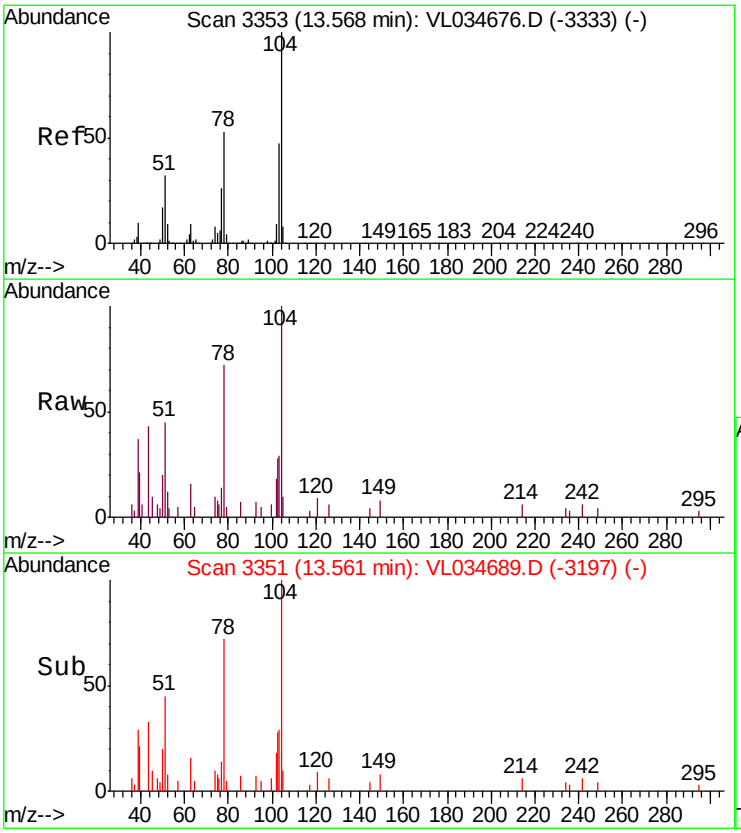
#60
o-Xylene
Concen: 0.077 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument :
MSVOA_L
ClientSampleId :
CR-103-BRW

Tgt Ion: 91 Resp: 14966

Ion	Ratio	Lower	Upper
91	100		
106	51.1	21.9	65.5

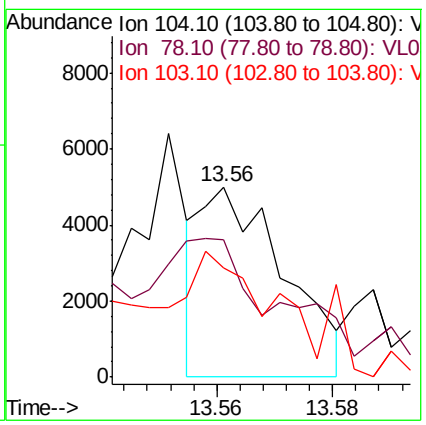


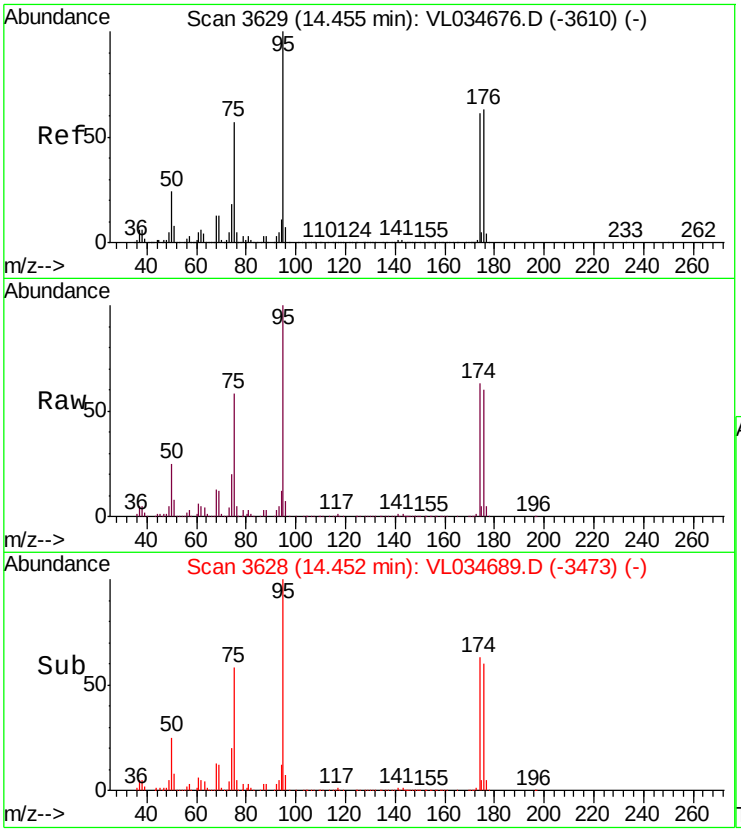


#61
Styrene
Concen: 0.040 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion:104 Resp: 4999

Ion	Ratio	Lower	Upper
104	100		
78	162.3	44.2	66.4#
103	119.8	37.4	56.0#



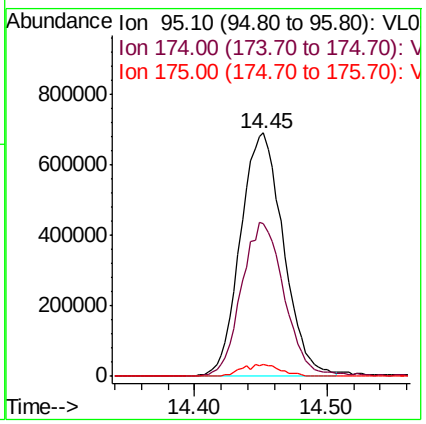


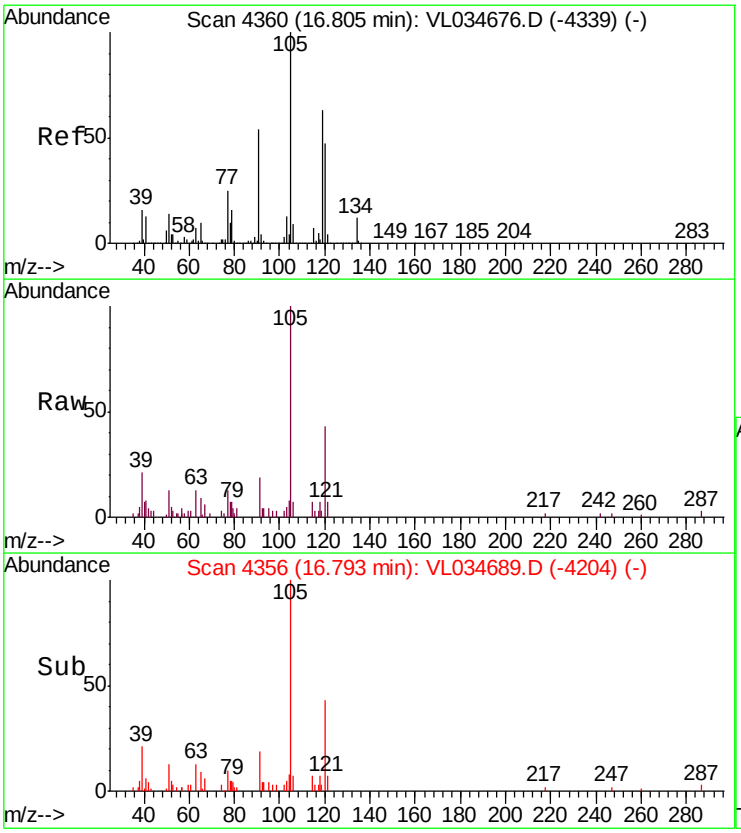
#68
1-Bromo-4-Fluorobenzene
Concen: 10.278 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Instrument : MSVOA_L
ClientSampleId : CR-103-BRW

Tgt Ion: 95 Resp: 1557498

Ion	Ratio	Lower	Upper
95	100		
174	63.5	50.7	76.1
175	4.8	3.9	5.9





#74
1,2,4-Trimethylbenzene
Concen: 0.055 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.01 min
Lab File: VL034689.D
Acq: 26 Feb 2020 15:39

Tgt Ion:105 Resp: 12478

Ion	Ratio	Lower	Upper
105	100		
120	40.0	37.9	56.9
91	13.6	43.9	65.9#
77	9.1	20.3	30.5#