Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030520\

Quantitation Report (Not Reviewed)

Data File : VL034797.D
Acq On : 5 Mar 2020 15:50
Operator : SY/AP
Sample : L1704-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-1-4

Quant Time: Mar 06 03:43:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1026438	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2102272	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2067815	10.00	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1785585	10.36	ppbv	-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	88329	0.527	ppbv	94
3) Chlorodifluoromethane	2.95	51	77212	0.660	ppbv #	85
4) Chloromethane	3.11	50	35555	0.564	ppbv	99
9) Propene	2.98	41	54036	1.174	ppbv	84
10) Heptane	8.11	43	4006	0.034	ppbv #	27
11) Trichlorofluoromethane	3.92	101	43757	0.292	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	5406	0.052	ppbv #	46
13) Ethanol	3.57	45	90076	5.711	ppbv #	38
15) Acetone	3.82	43	682551	5.553	ppbv	97
16) 1,3-Butadiene	3.28	39	3219	0.058	ppbv #	40
17) tert-Butyl alcohol	4.29	59	40584	0.419	ppbv	94
19) Isopropyl Alcohol	3.95	45	160265	2.176	ppbv #	89
20) Methylene Chloride	4.32	84	106145	2.420	ppbv #	92
23) Vinyl Acetate	5.06	43	172154	1.044	ppbv #	90
25) Ethyl Acetate	5.67	43	123005	0.579	ppbv #	81
26) Hexane	5.68	57	148253	1.598	ppbv #	42
29) Chloroform	5.74	83	5396	0.035	ppbv #	83
34) 2-Butanone	5.24	43	39880	0.292	ppbv	98
35) Carbon Tetrachloride	7.01	117	5563	0.035	ppbv #	62
36) Benzene	6.89	78	41824	0.233	ppbv #	87
39) 1,2-Dichloropropane	7.18	63	616184	8.499	ppbv #	24
44) 2,2,4-Trimethylpentane	7.87	57	10484	0.033	ppbv #	42
53) Toluene	9.83	91	171480	0.902	ppbv	97
58) Ethyl Benzene	12.73	91	24535	0.096	ppbv	92
59) m/p-Xylene	13.01	91	10210	0.046	ppbv #	31
60) o-Xylene	13.72	91	31317	0.140	ppbv	83

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

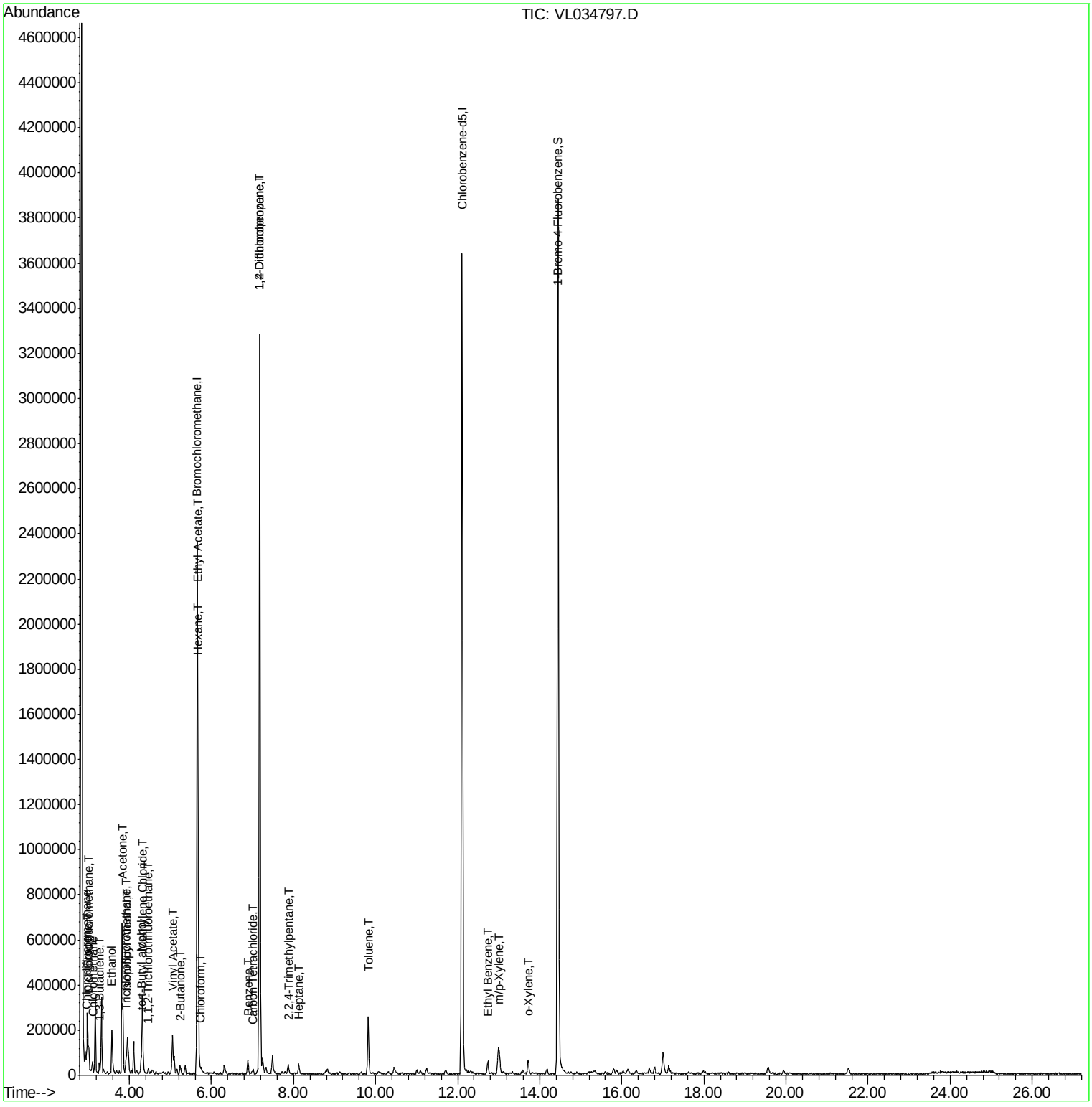
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030520\

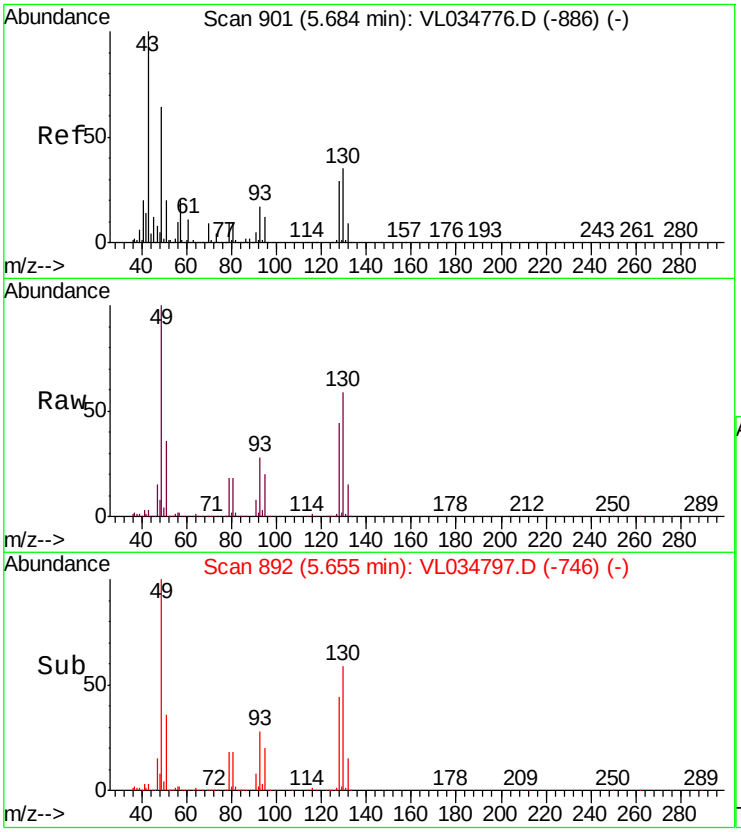
Quantitation Report (Not Reviewed)

Data File : VL034797.D
Acq On : 5 Mar 2020 15:50
Operator : SY/AP
Sample : L1704-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-1-4

Quant Time: Mar 06 03:43:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration



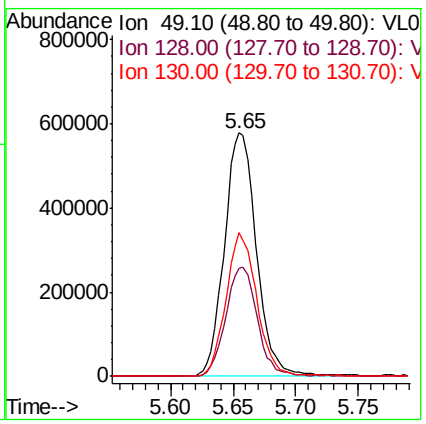


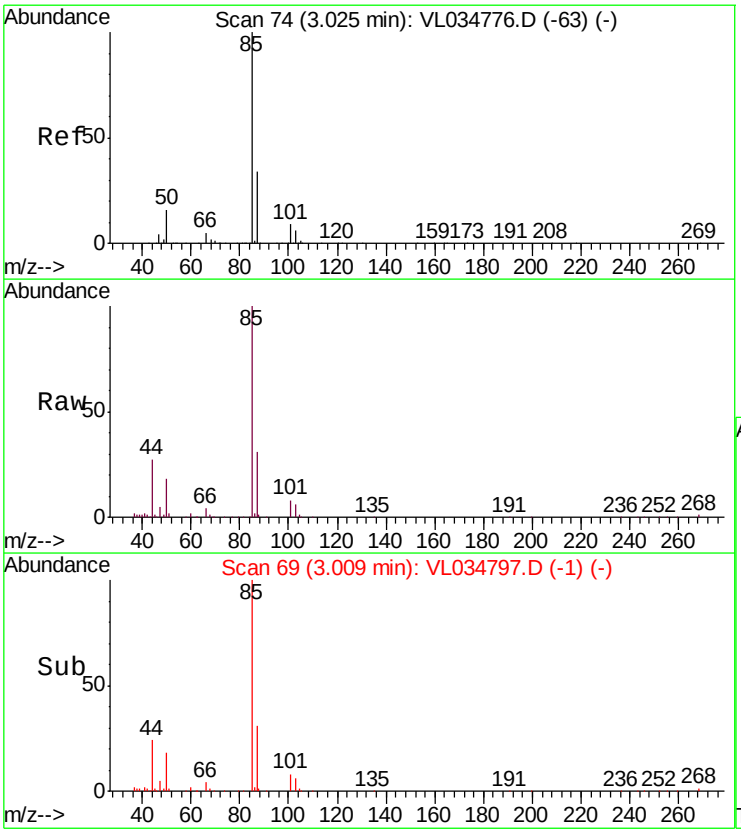
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
A-1-4

Tgt Ion: 49 Resp: 1026438

Ion	Ratio	Lower	Upper
49	100		
128	44.6	21.6	64.6
130	57.2	27.4	82.2

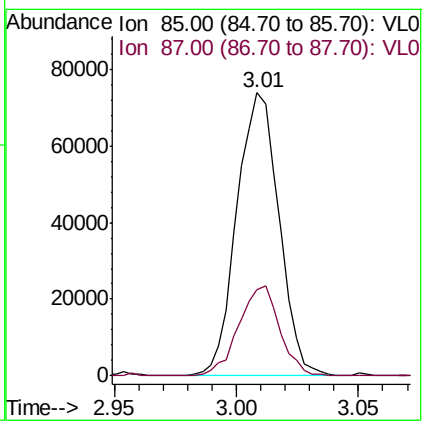


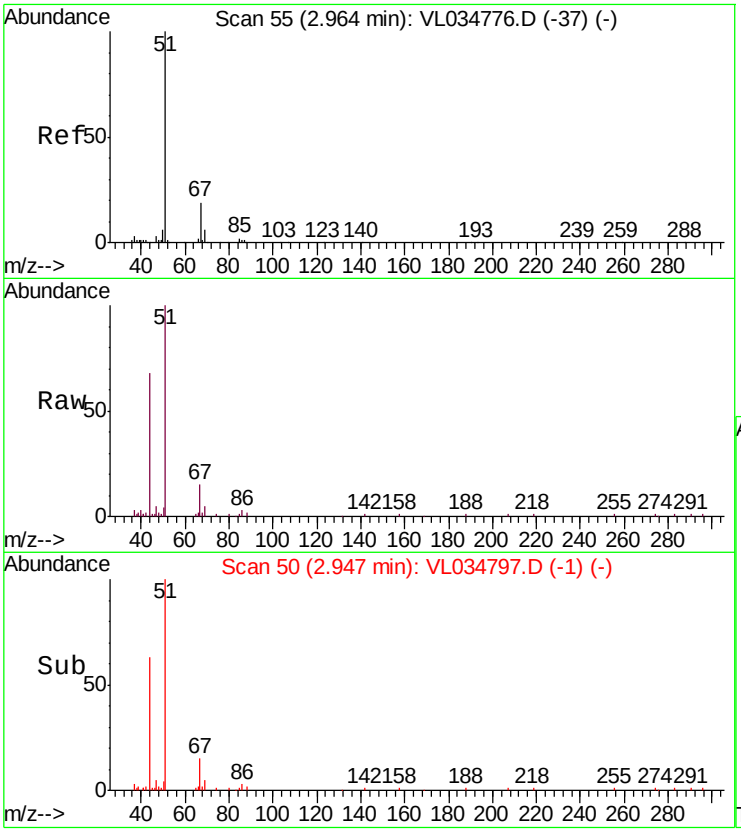


#2
Dichlorodifluoromethane
Concen: 0.527 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 85 Resp: 88329

Ion	Ratio	Lower	Upper
85	100		
87	30.5	27.2	40.8



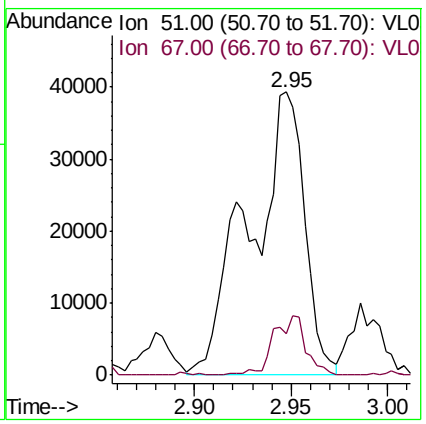


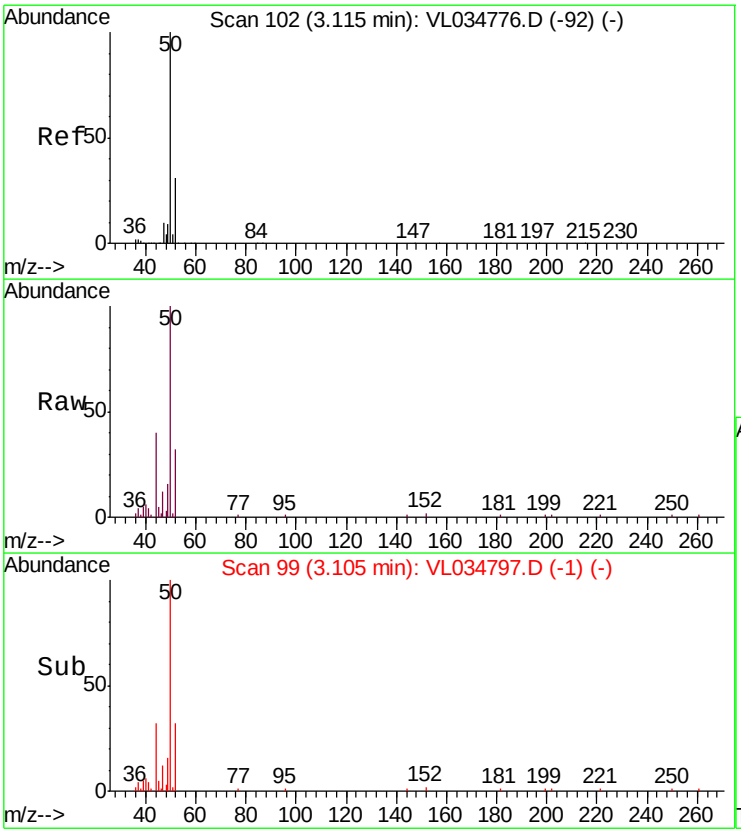
#3
Chlorodifluoromethane
Concen: 0.660 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 51 Resp: 77212

Ion	Ratio	Lower	Upper
51	100		
67	12.3	15.3	22.9#

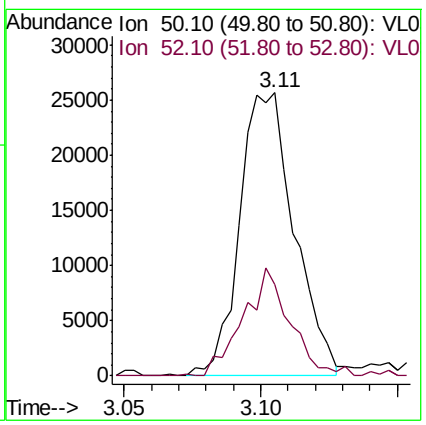


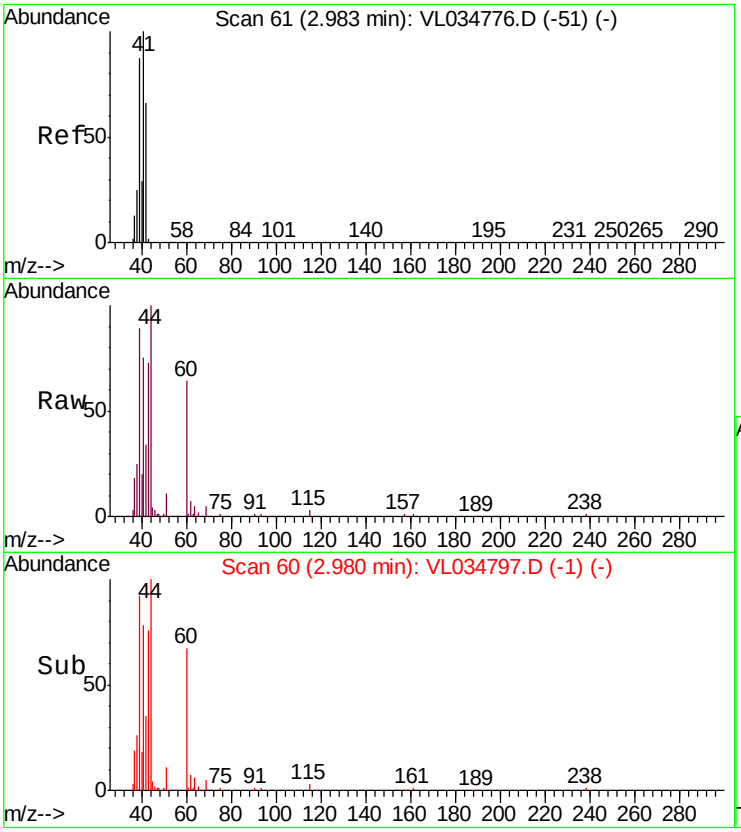


#4
Chloromethane
Concen: 0.564 ppbv
RT: 3.11 min Scan# 99
Delta R.T. -0.01 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 50 Resp: 35555

Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.0	37.4



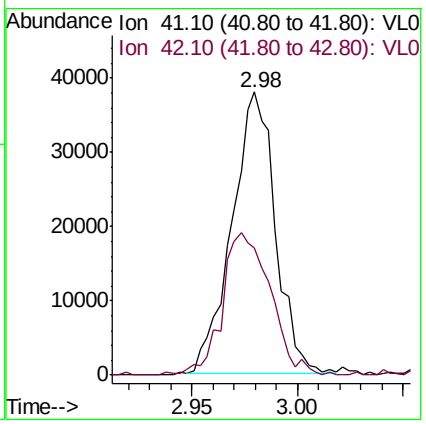


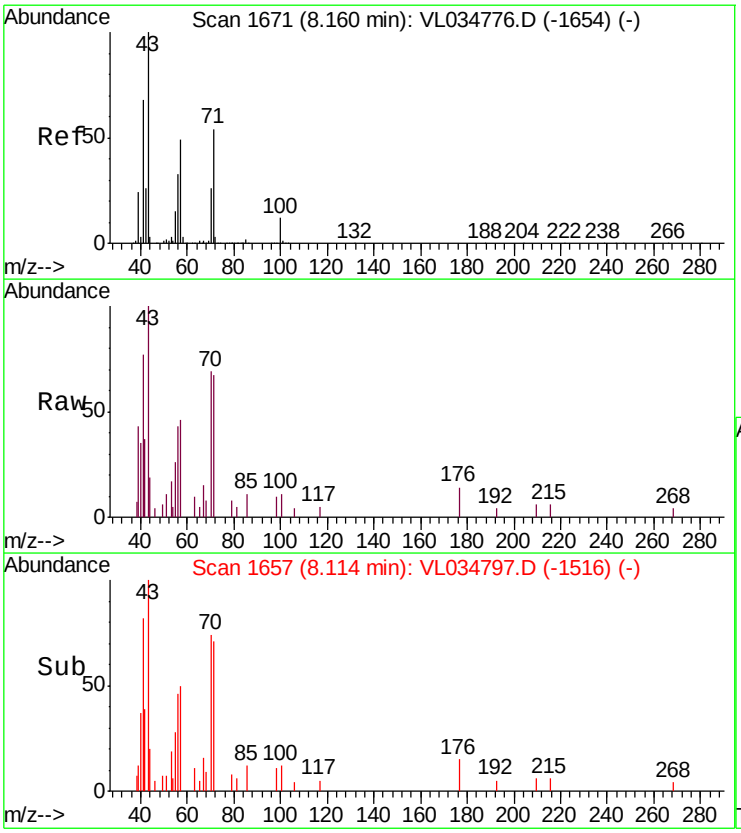
#9
Propene
Concen: 1.174 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
A-1-4

Tgt Ion: 41 Resp: 54036

Ion	Ratio	Lower	Upper
41	100		
42	56.3	55.6	83.4

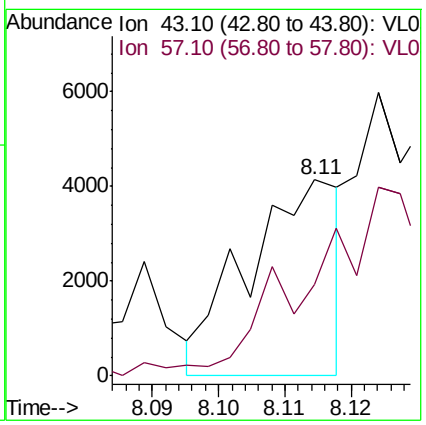


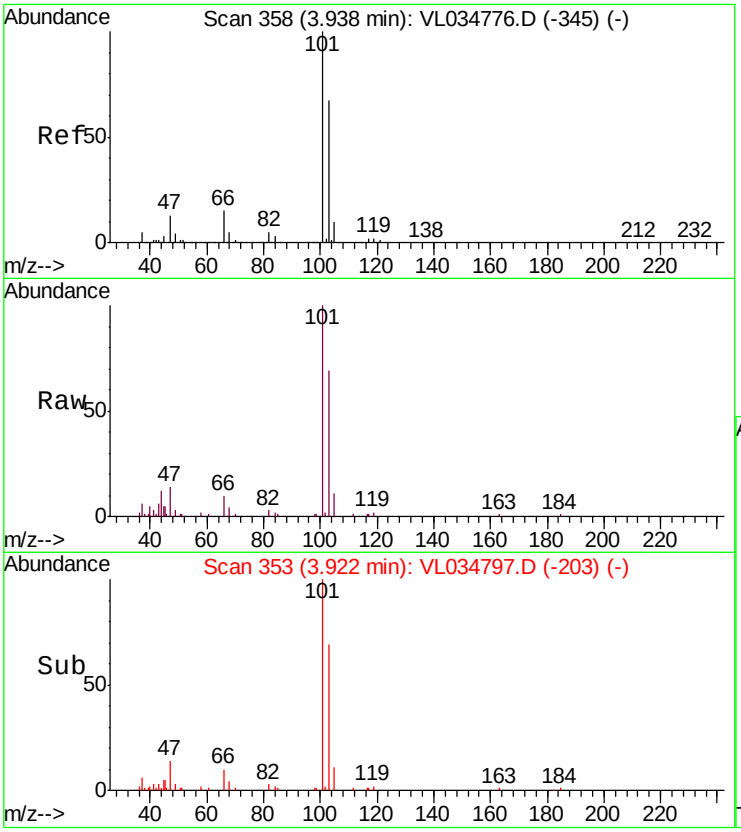


#10
Heptane
Concen: 0.034 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.05 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 43 Resp: 4006

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.5	60.7#



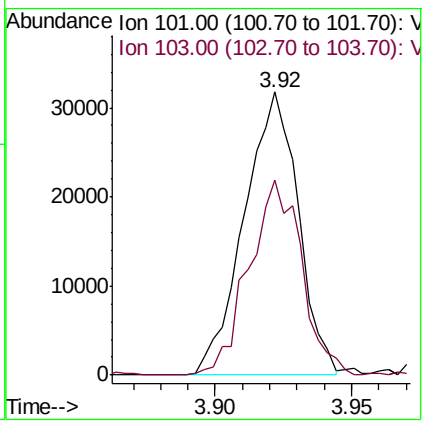


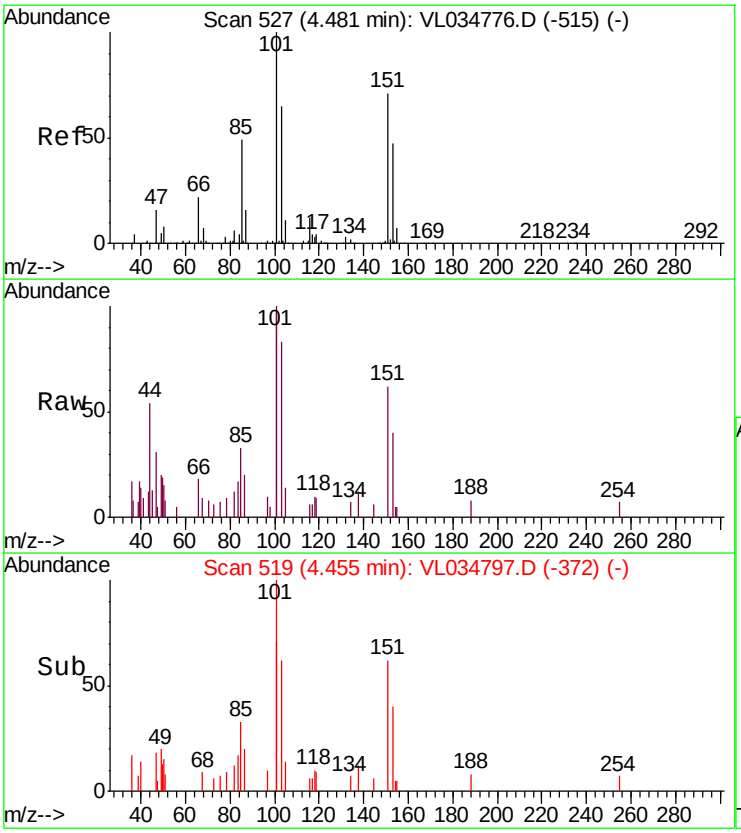
#11
Trichlorofluoromethane
Concen: 0.292 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
A-1-4

Tgt Ion:101 Resp: 43757

Ion	Ratio	Lower	Upper
101	100		
103	68.8	53.6	80.4

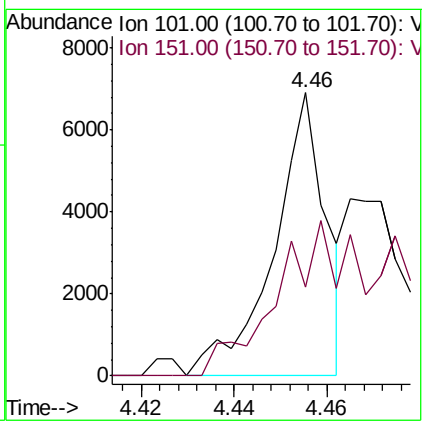


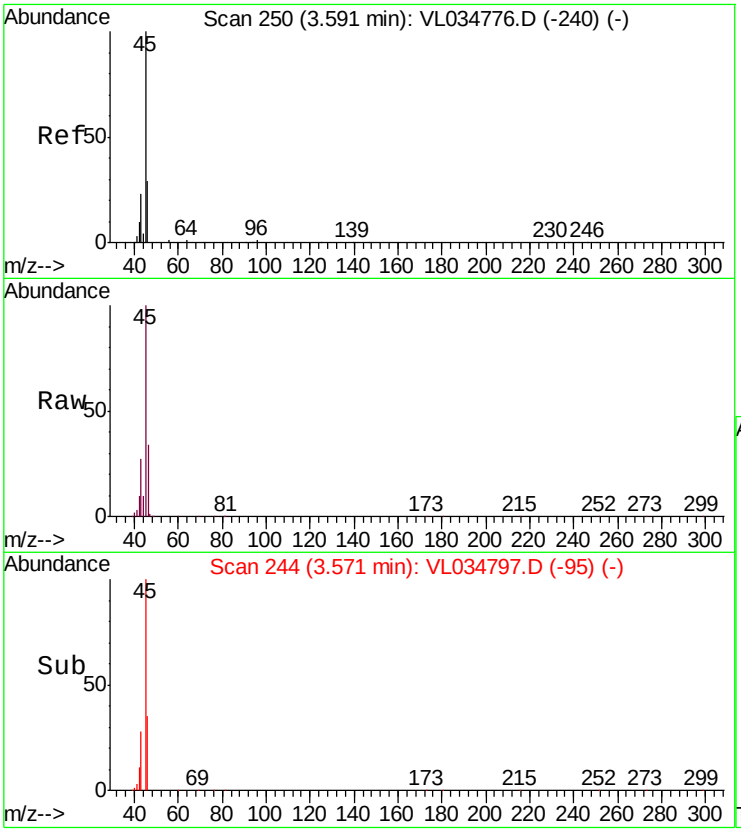


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.052 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion:101 Resp: 5406

Ion	Ratio	Lower	Upper
101	100		
151	115.1	56.6	85.0#



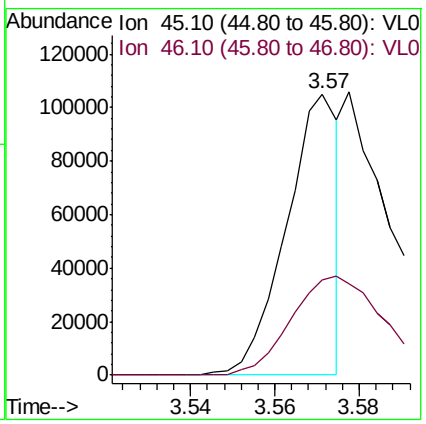


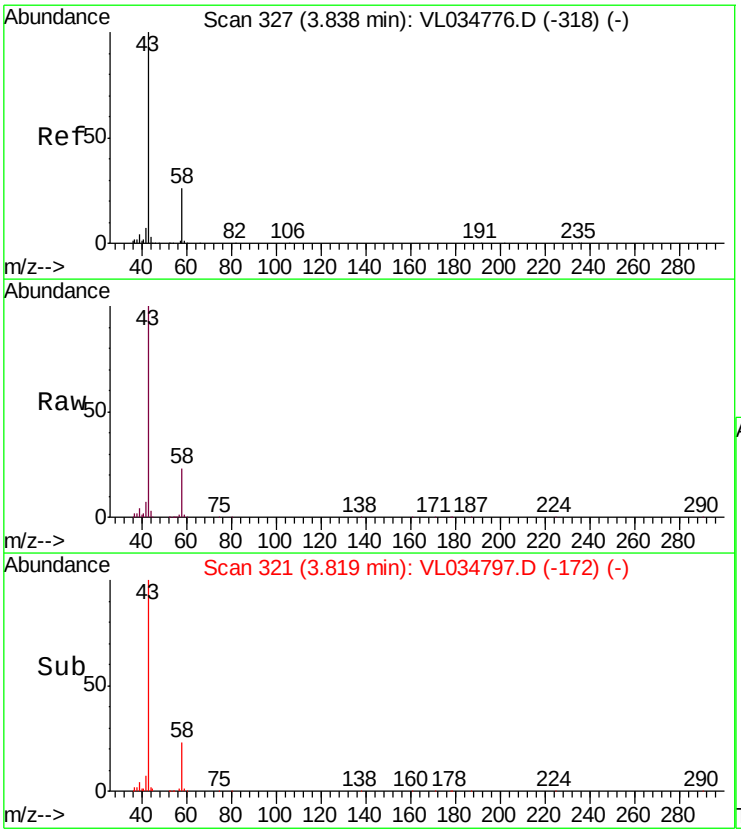
#13
Ethanol
Concen: 5.711 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 45 Resp: 90076

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.7	58.9#

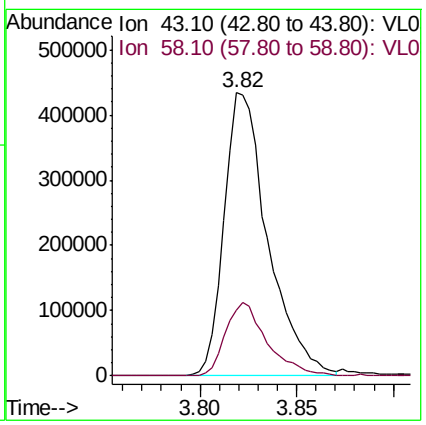


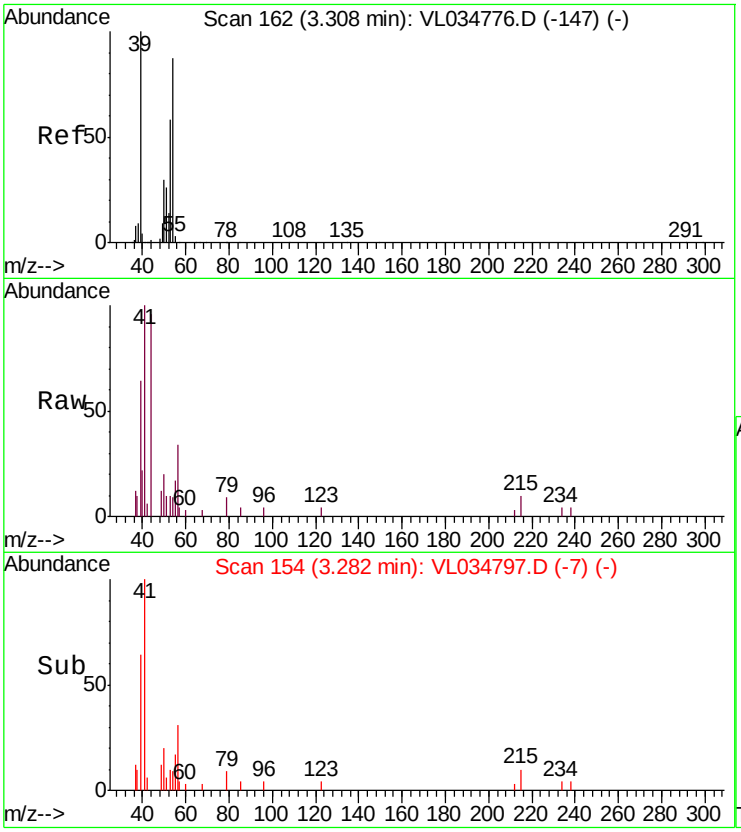


#15
Acetone
Concen: 5.553 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 43 Resp: 682551

Ion	Ratio	Lower	Upper
43	100		
58	24.9	21.0	31.6



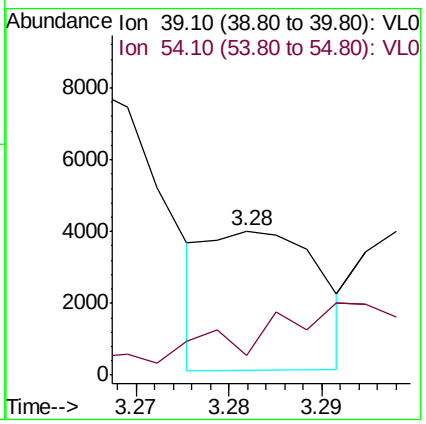


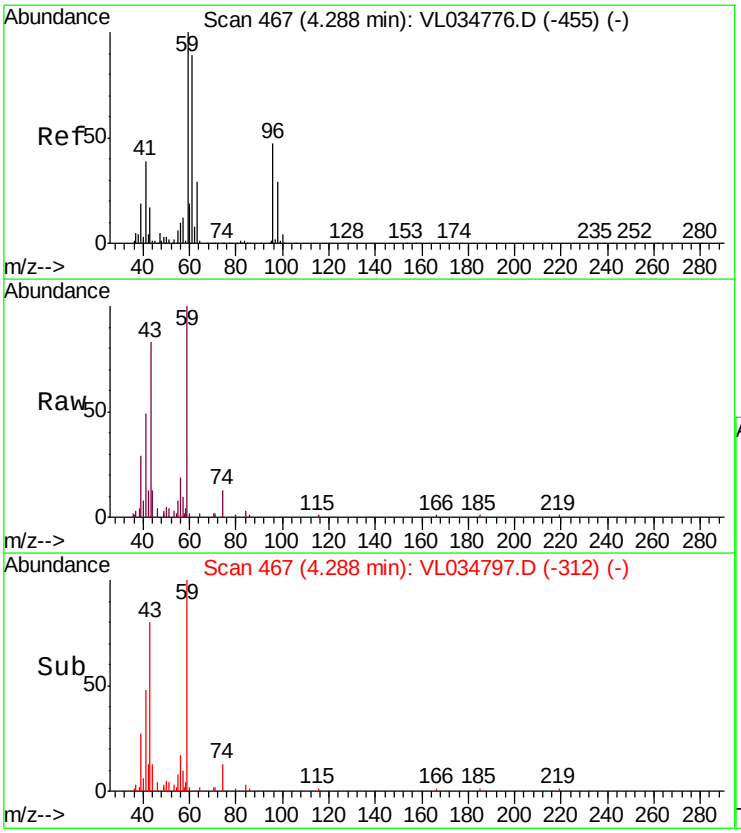
#16
1,3-Butadiene
Concen: 0.058 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 39 Resp: 3219

Ion	Ratio	Lower	Upper
39	100		
54	133.1	64.2	96.2#

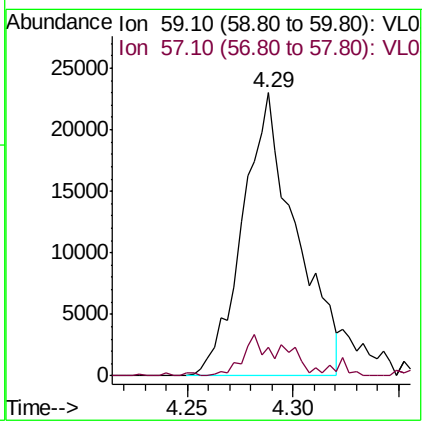


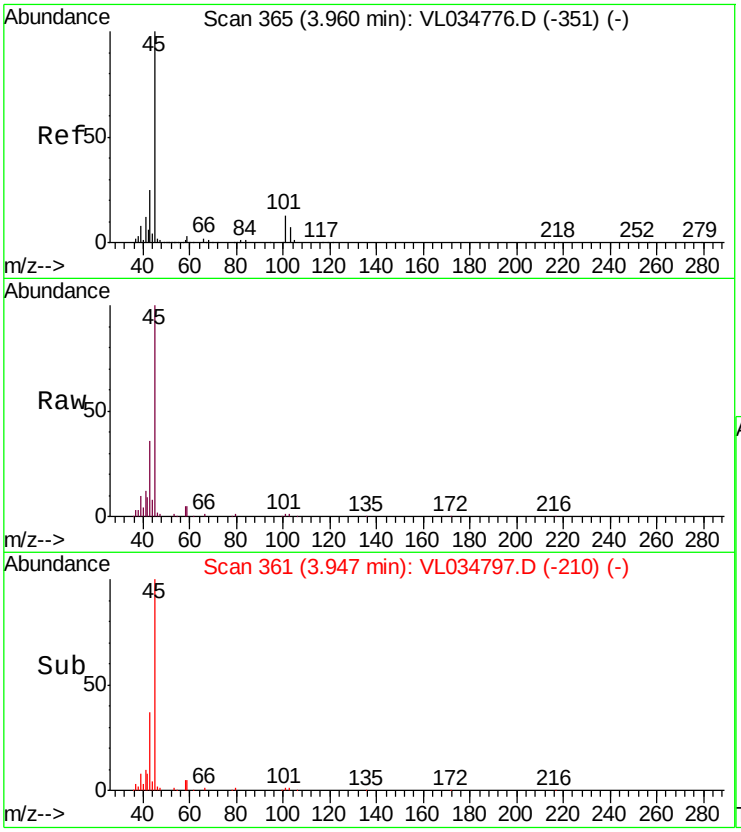


#17
tert-Butyl alcohol
Concen: 0.419 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 59 Resp: 40584

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.6	13.0



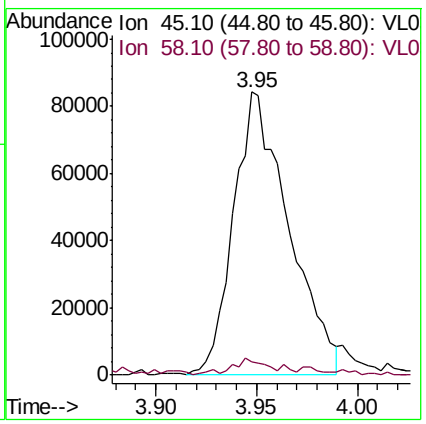


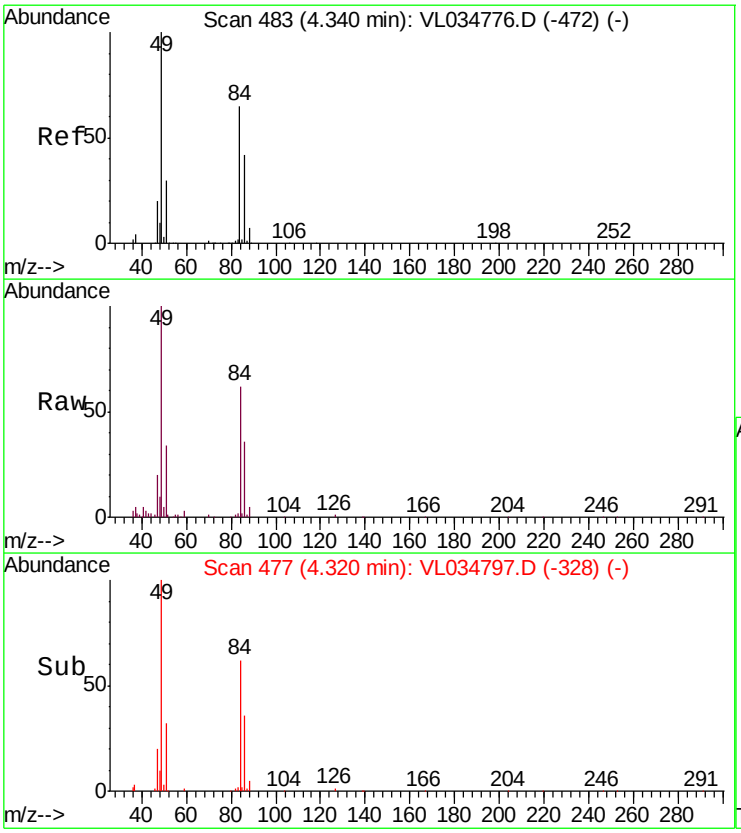
#19
Isopropyl Alcohol
Concen: 2.176 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 45 Resp: 160265

Ion	Ratio	Lower	Upper
45	100		
58	6.0	1.8	2.8#

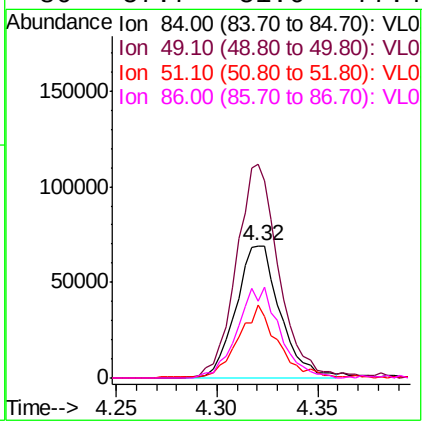


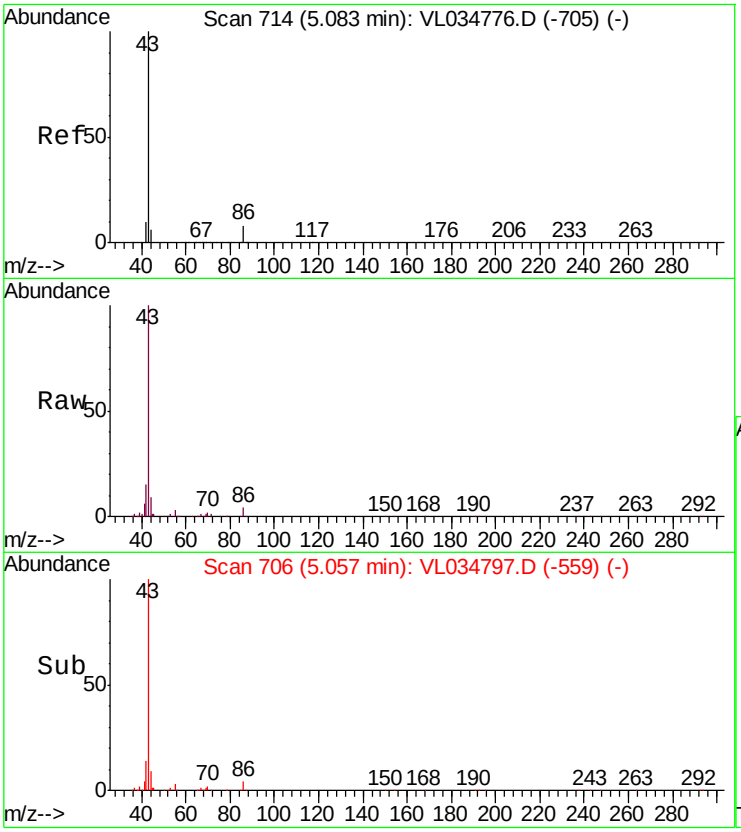


#20
Methylene Chloride
Concen: 2.420 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 84 Resp: 106145

Ion	Ratio	Lower	Upper
84	100		
49	160.8	123.2	184.8
51	56.3	37.4	56.2#
86	57.7	51.6	77.4



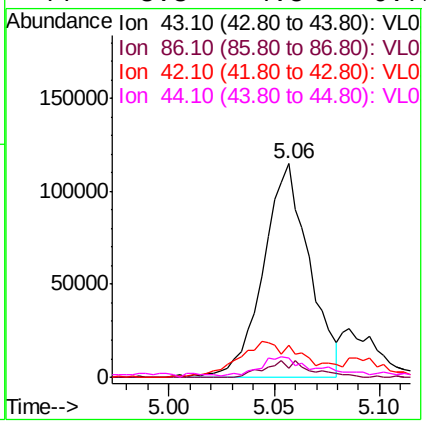


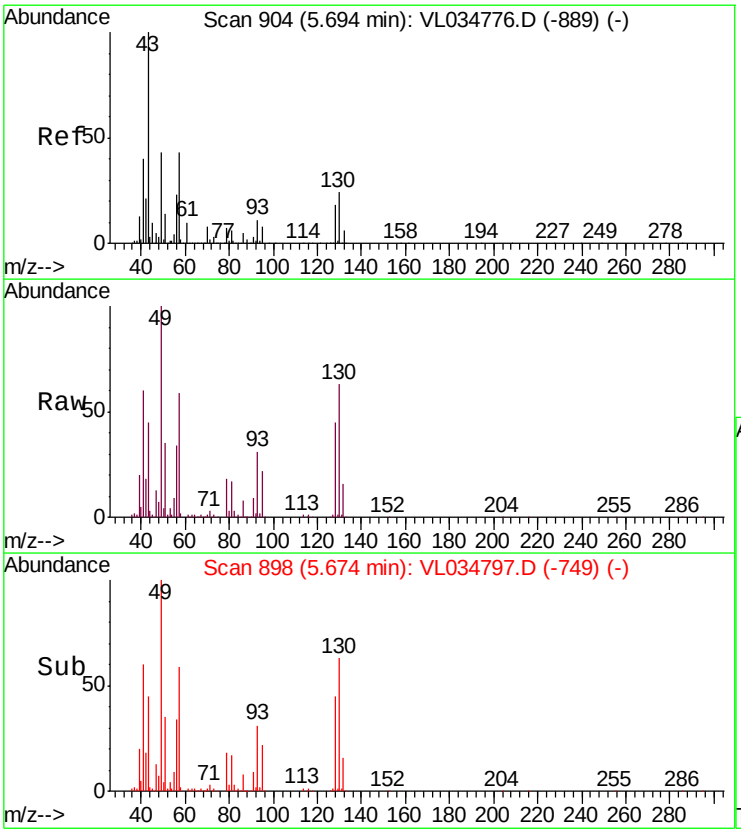
#23
Vinyl Acetate
Concen: 1.044 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 43 Resp: 172154

Ion	Ratio	Lower	Upper
43	100		
86	4.3	5.9	8.9#
42	14.5	8.2	12.2#
44	8.3	4.5	6.7#

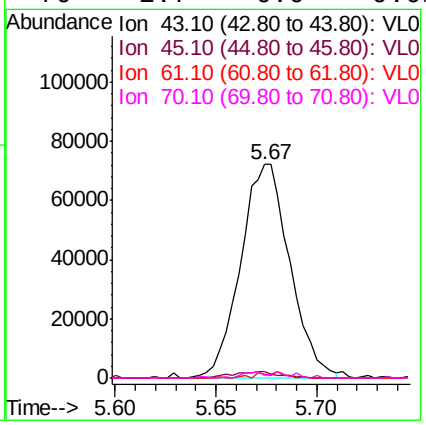


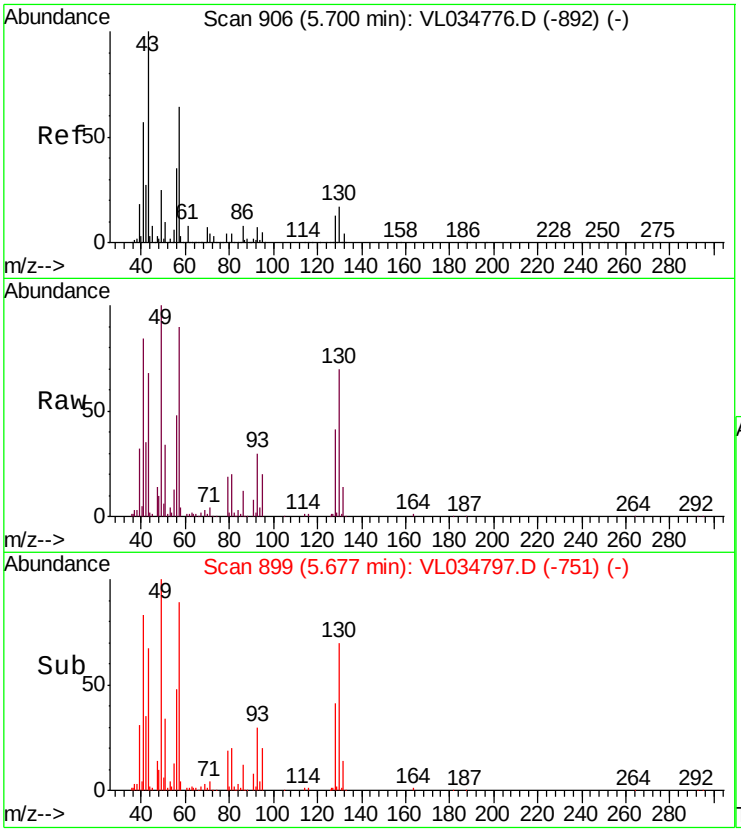


#25
Ethyl Acetate
Concen: 0.579 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 43 Resp: 123005

Ion	Ratio	Lower	Upper
43	100		
45	2.8	8.2	12.4#
61	1.8	7.5	11.3#
70	2.7	6.0	9.0#



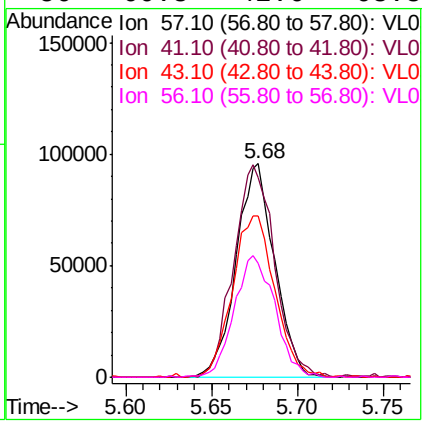


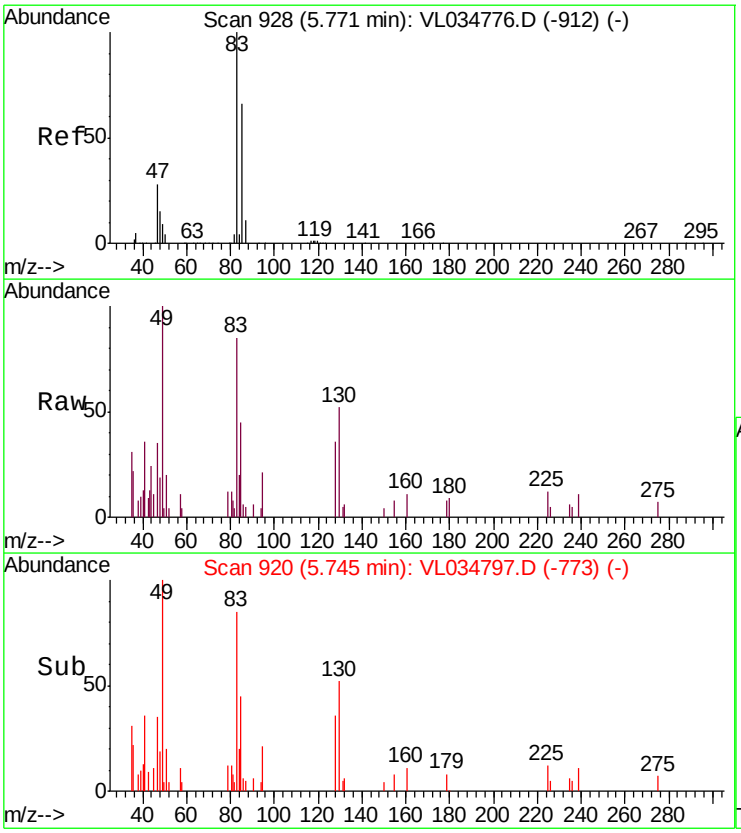
#26
Hexane
Concen: 1.598 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 57 Resp: 148253

Ion	Ratio	Lower	Upper
57	100		
41	107.1	72.0	108.0
43	84.0	179.1	268.7#
56	60.8	42.6	63.8

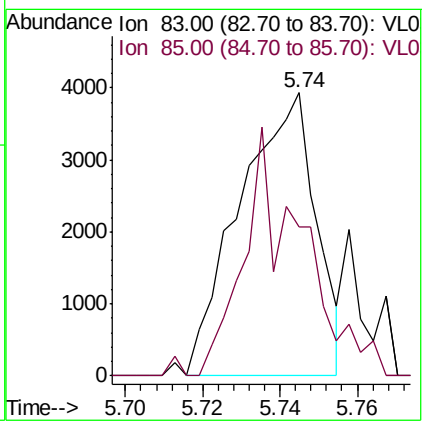


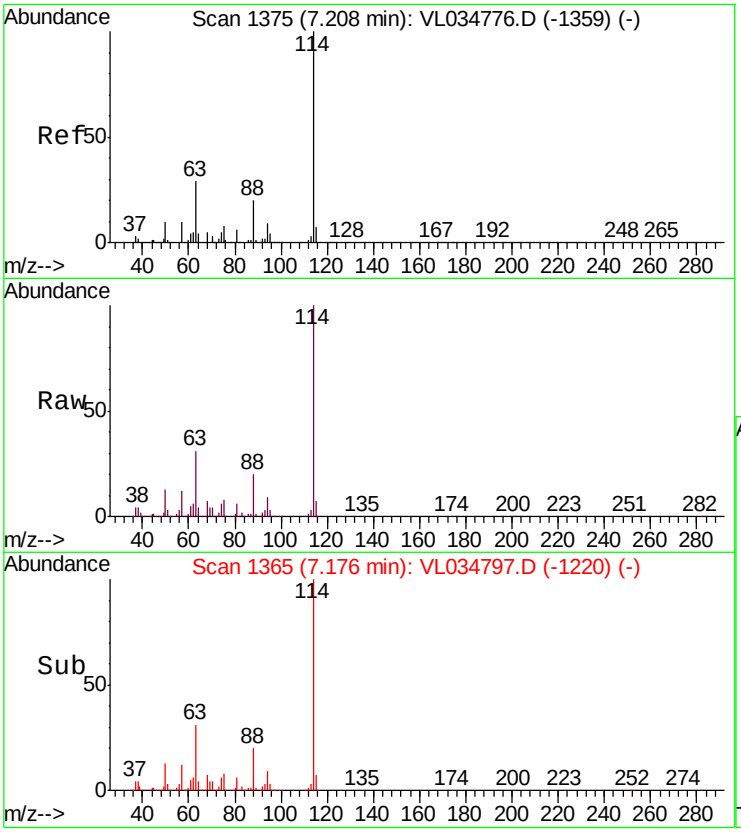


#29
Chloroform
Concen: 0.035 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 83 Resp: 5396

Ion	Ratio	Lower	Upper
83	100		
85	52.8	53.0	79.4#



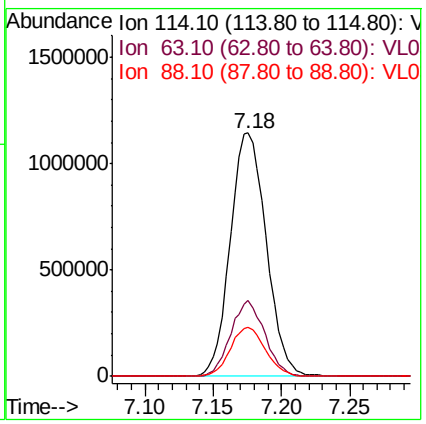


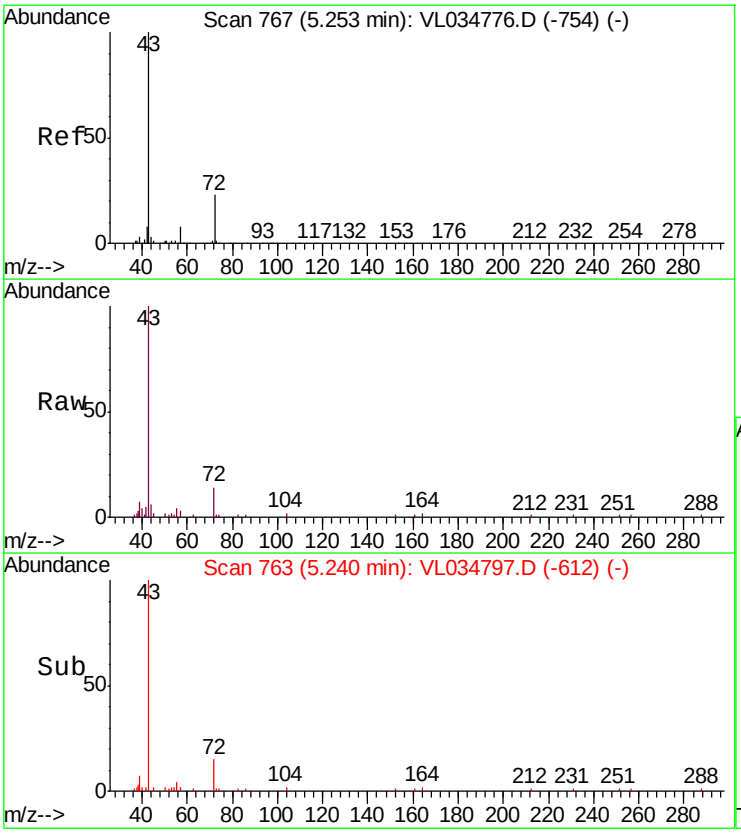
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
A-1-4

Tgt Ion:114 Resp: 2102272

Ion	Ratio	Lower	Upper
114	100		
63	29.6	23.6	35.4
88	19.6	15.8	23.8

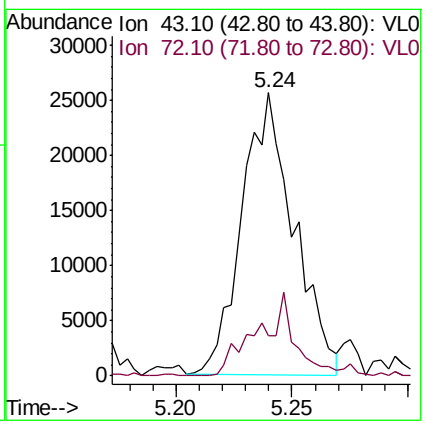


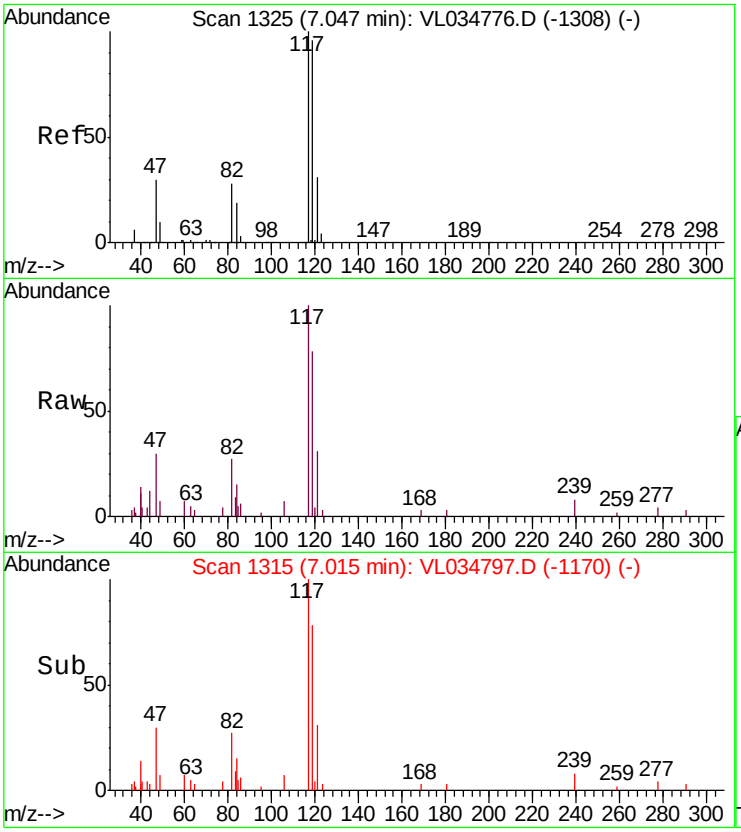


#34
2-Butanone
Concen: 0.292 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.01 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 43 Resp: 39880

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.5	26.3



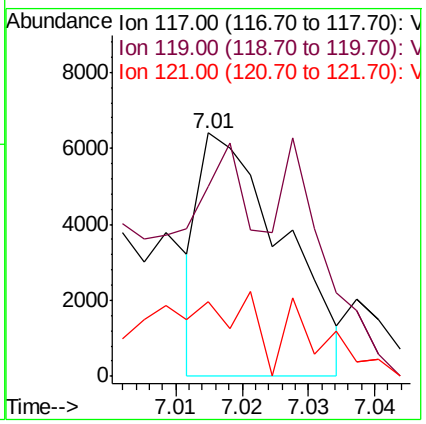


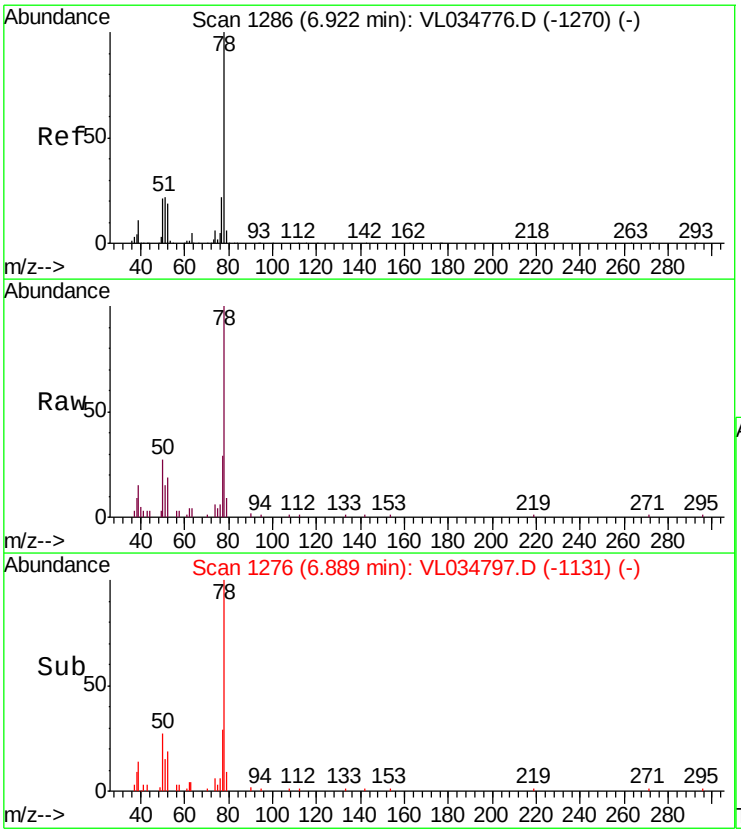
#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
A-1-4

Tgt Ion:117 Resp: 5563

Ion	Ratio	Lower	Upper
117	100		
119	55.3	76.8	115.2#
121	15.3	24.6	37.0#

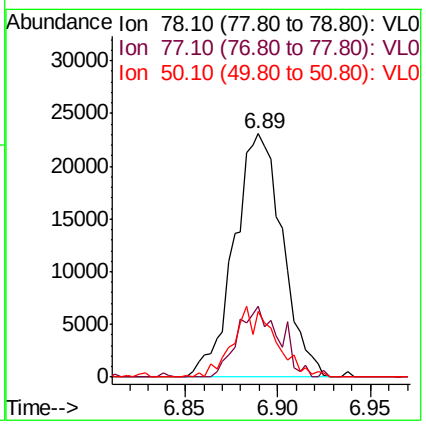


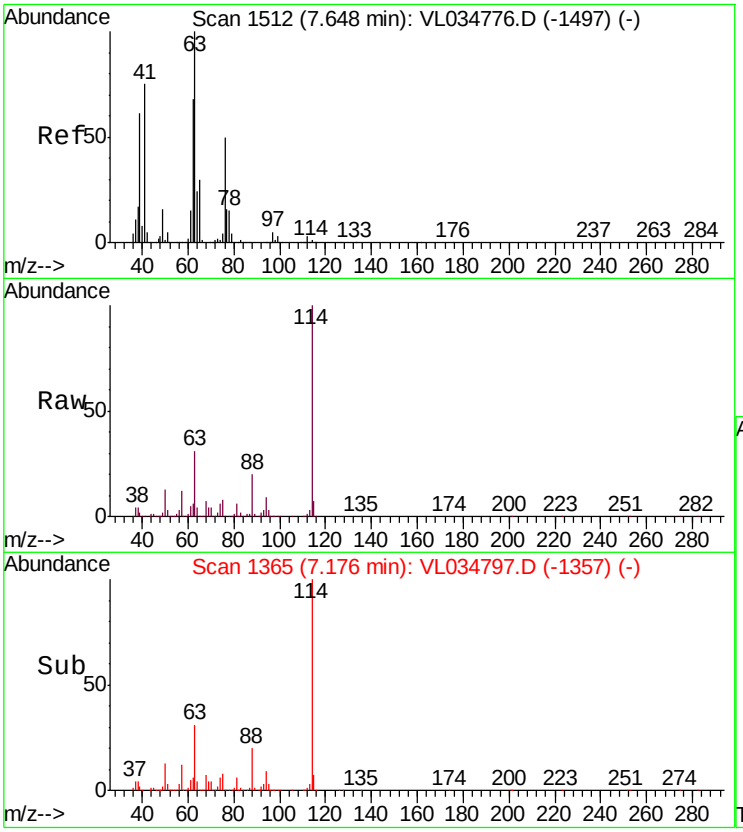


#36
Benzene
Concen: 0.233 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 78 Resp: 41824

Ion	Ratio	Lower	Upper
78	100		
77	29.0	18.0	27.0#
50	26.8	16.9	25.3#



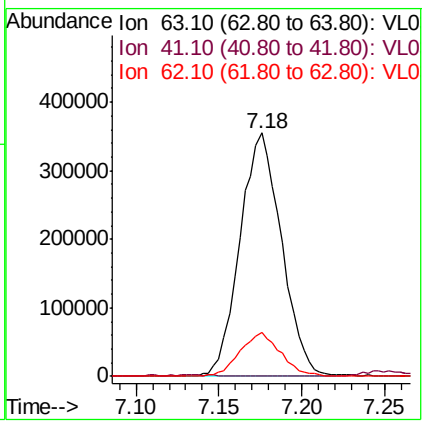


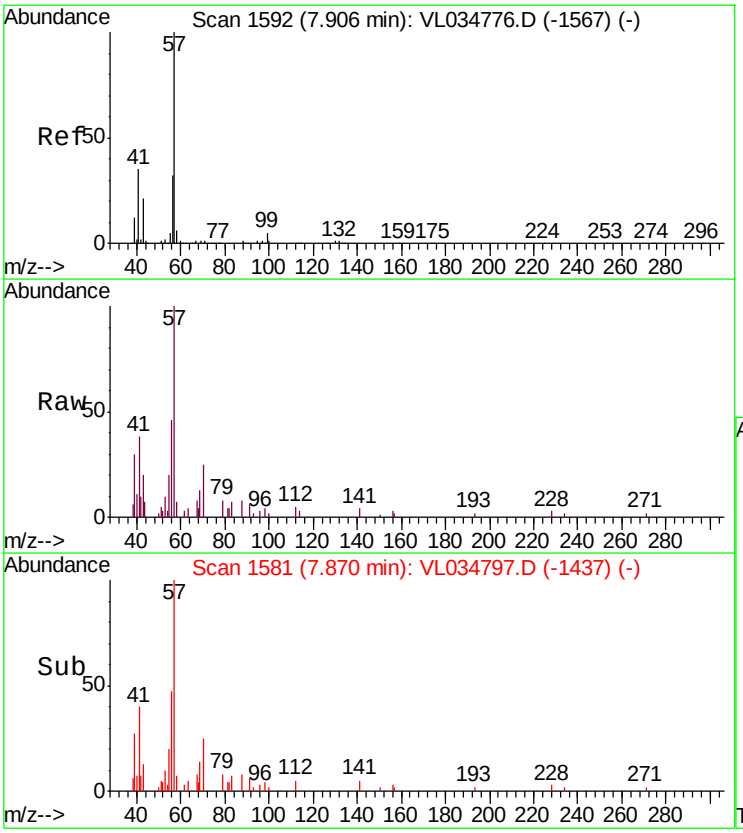
#39
1,2-Dichloropropane
Concen: 8.499 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.47 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 63 Resp: 616184

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.3	90.5#
62	18.1	54.5	81.7#

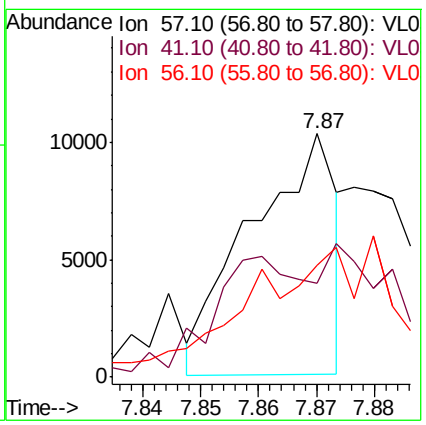


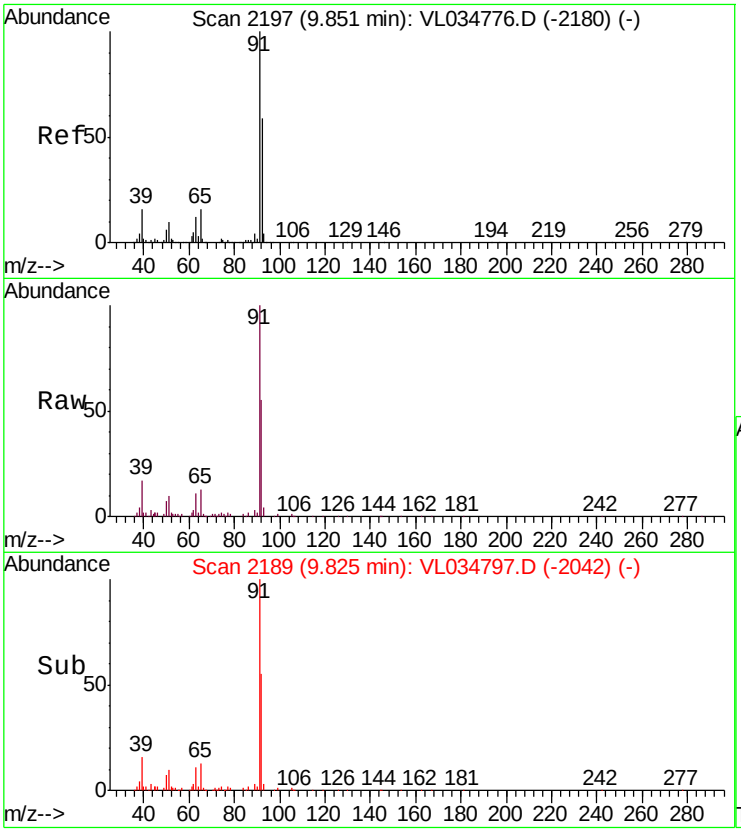


#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.04 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 57 Resp: 10484

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.4	41.0#
56	0.0	25.0	37.6#



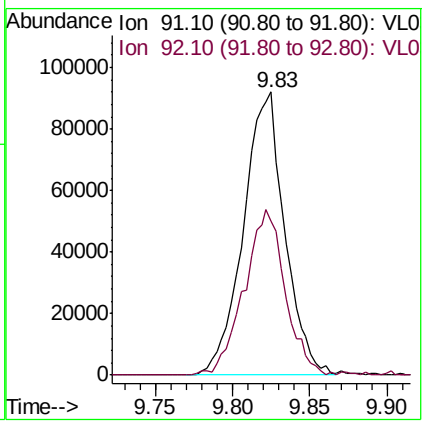


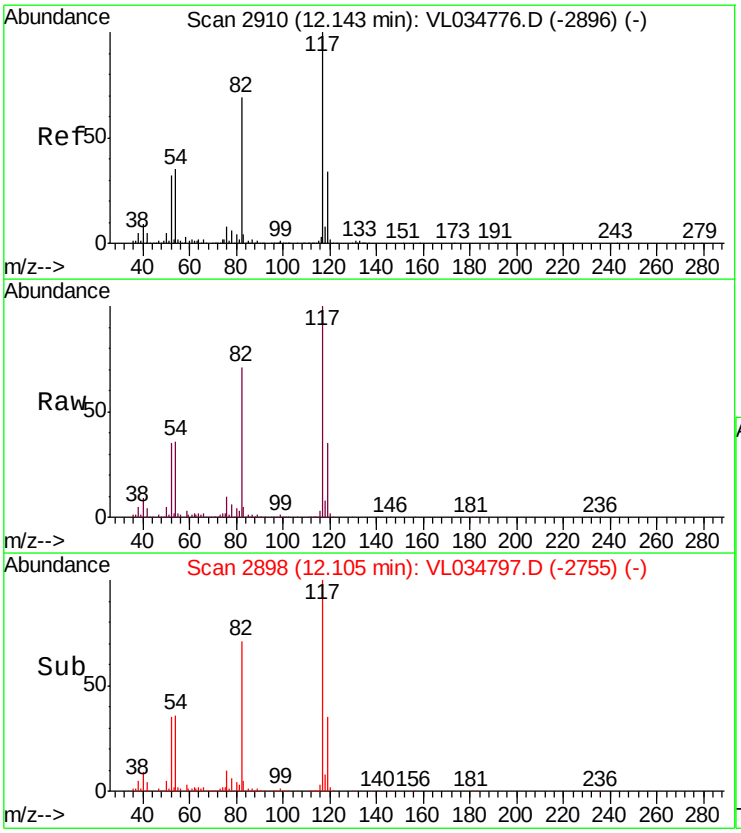
#53
Toluene
Concen: 0.902 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.03 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 91 Resp: 171480

Ion	Ratio	Lower	Upper
91	100		
92	58.3	48.2	72.2

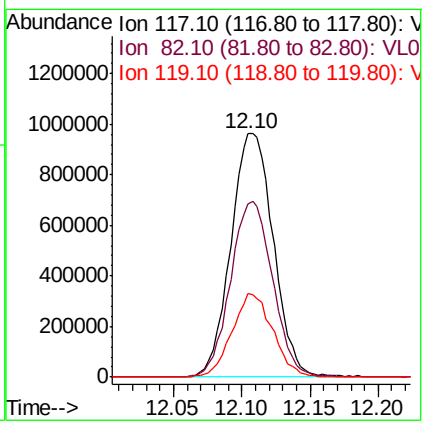


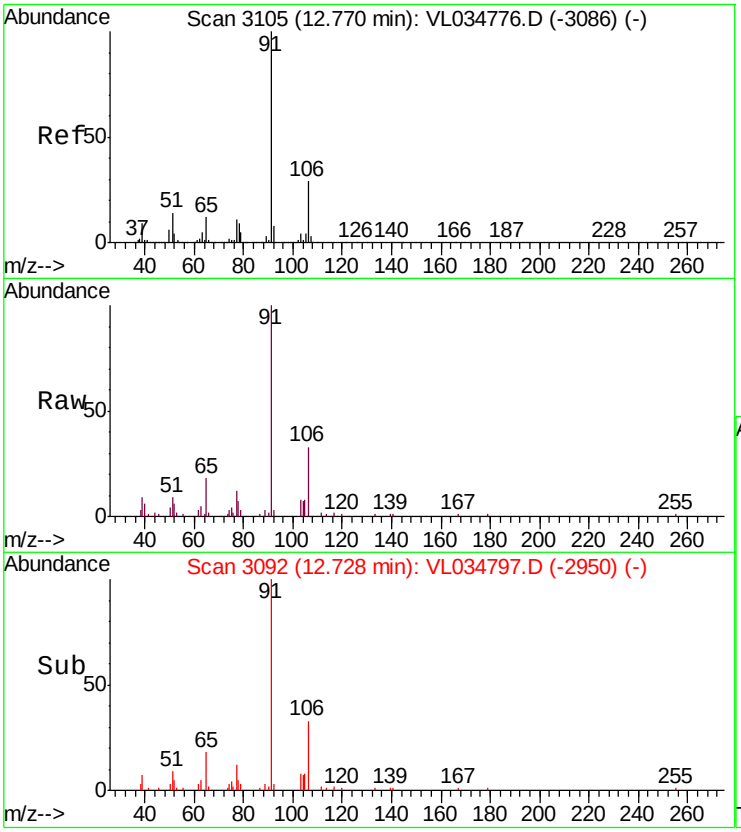


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.04 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion:117 Resp: 2067815

Ion	Ratio	Lower	Upper
117	100		
82	72.2	53.9	80.9
119	33.1	25.0	37.4



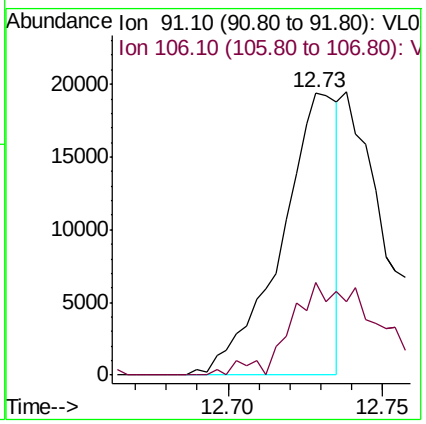


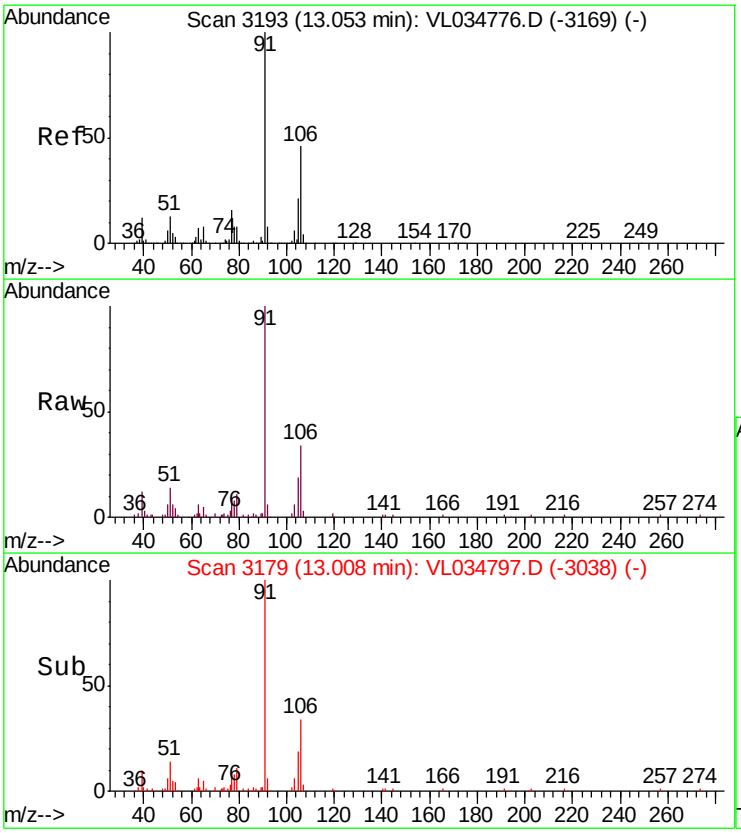
#58
Ethyl Benzene
Concen: 0.096 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.04 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument : MSVOA_L
ClientSampleId : A-1-4

Tgt Ion: 91 Resp: 24535

Ion	Ratio	Lower	Upper
91	100		
106	32.8	22.8	34.2

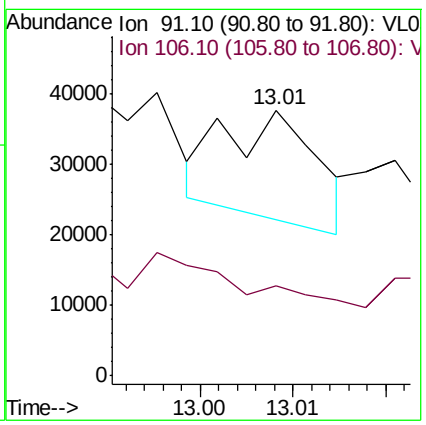


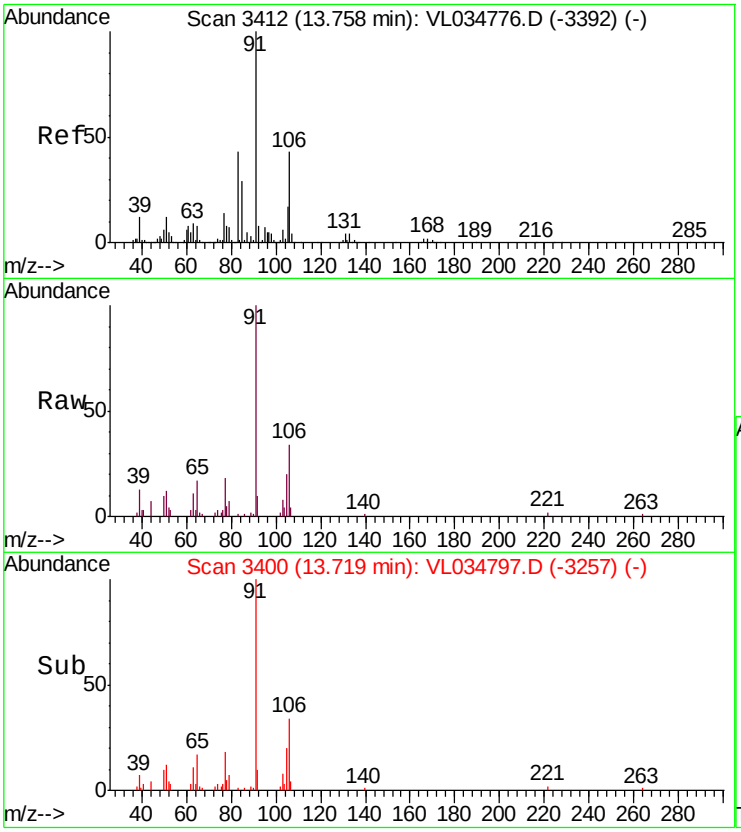


#59
m/p-Xylene
Concen: 0.046 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.05 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 91 Resp: 10210

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.8#



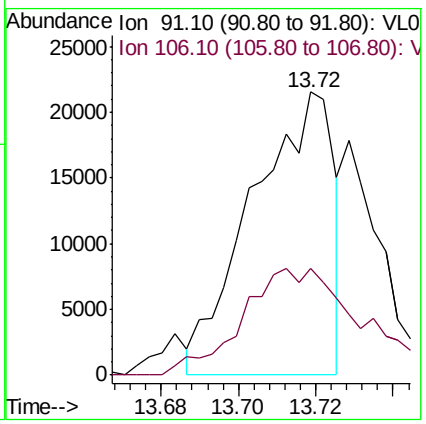


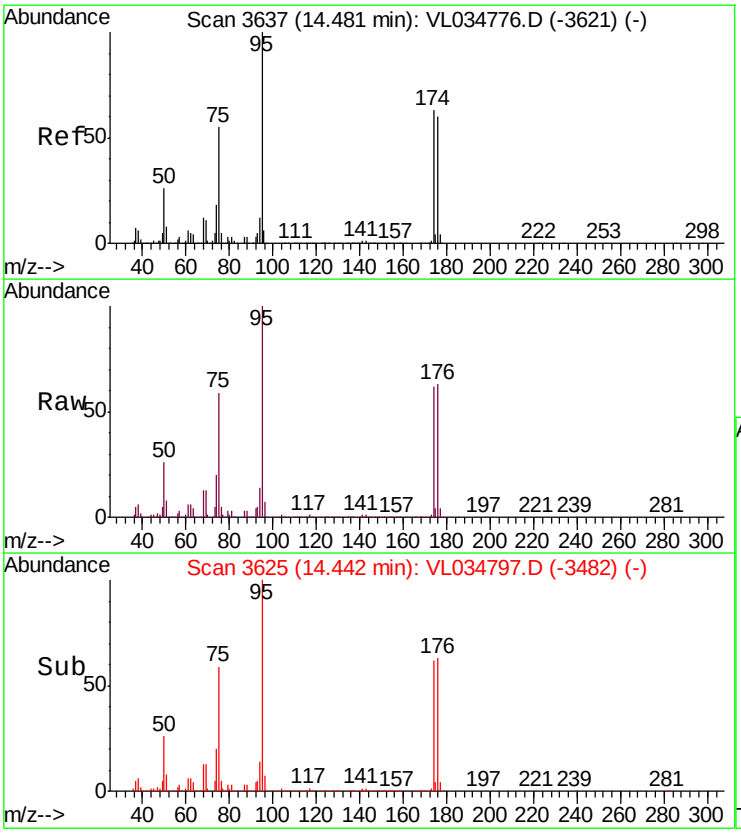
#60
o-Xylene
Concen: 0.140 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.04 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Instrument :
MSVOA_L
ClientSampleId :
A-1-4

Tgt Ion: 91 Resp: 31317

Ion	Ratio	Lower	Upper
91	100		
106	54.1	21.7	65.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.356 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.04 min
Lab File: VL034797.D
Acq: 5 Mar 2020 15:50

Tgt Ion: 95 Resp: 1785585

Ion	Ratio	Lower	Upper
95	100		
174	62.8	50.6	76.0
175	4.6	3.8	5.6