Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035089.D
Acq On : 22 May 2020 18:03
Operator : SY/AP
Sample : L2739-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-3DL

Quant Time: May 24 00:38:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1000156	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2358050	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2214222	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1897370	10.59	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.90%			
Target Compounds						Qvalue
9) Propene	2.98	41	14561m	0.294	ppbv	
10) Heptane	8.13	43	11910m	0.096	ppbv	
13) Ethanol	3.56	45	432745	26.466	ppbv	99
19) Isopropyl Alcohol	3.93	45	733252	8.316	ppbv	99
26) Hexane	5.67	57	46253	0.480	ppbv	86
27) Carbon Disulfide	4.53	76	13484m	0.119	ppbv	
34) 2-Butanone	5.23	43	33128	0.226	ppbv #	89
44) 2,2,4-Trimethylpentane	7.87	57	58590	0.170	ppbv #	79
53) Toluene	9.81	91	482997	2.344	ppbv	100
58) Ethyl Benzene	12.73	91	67342m	0.246	ppbv	
59) m/p-Xylene	12.98	91	113827m	0.472	ppbv	
60) o-Xylene	13.71	91	46455m	0.195	ppbv	
61) Styrene	13.55	104	33326	0.222	ppbv	94

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

Quantitation Report (QT Reviewed)

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Acq On : 22 May 2020 18:03
Operator : SY/AP
Sample : L2739-03DL 10X
Misc : 400ml/MSVOA_L
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Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Quant Time: May 24 00:38:59 2020
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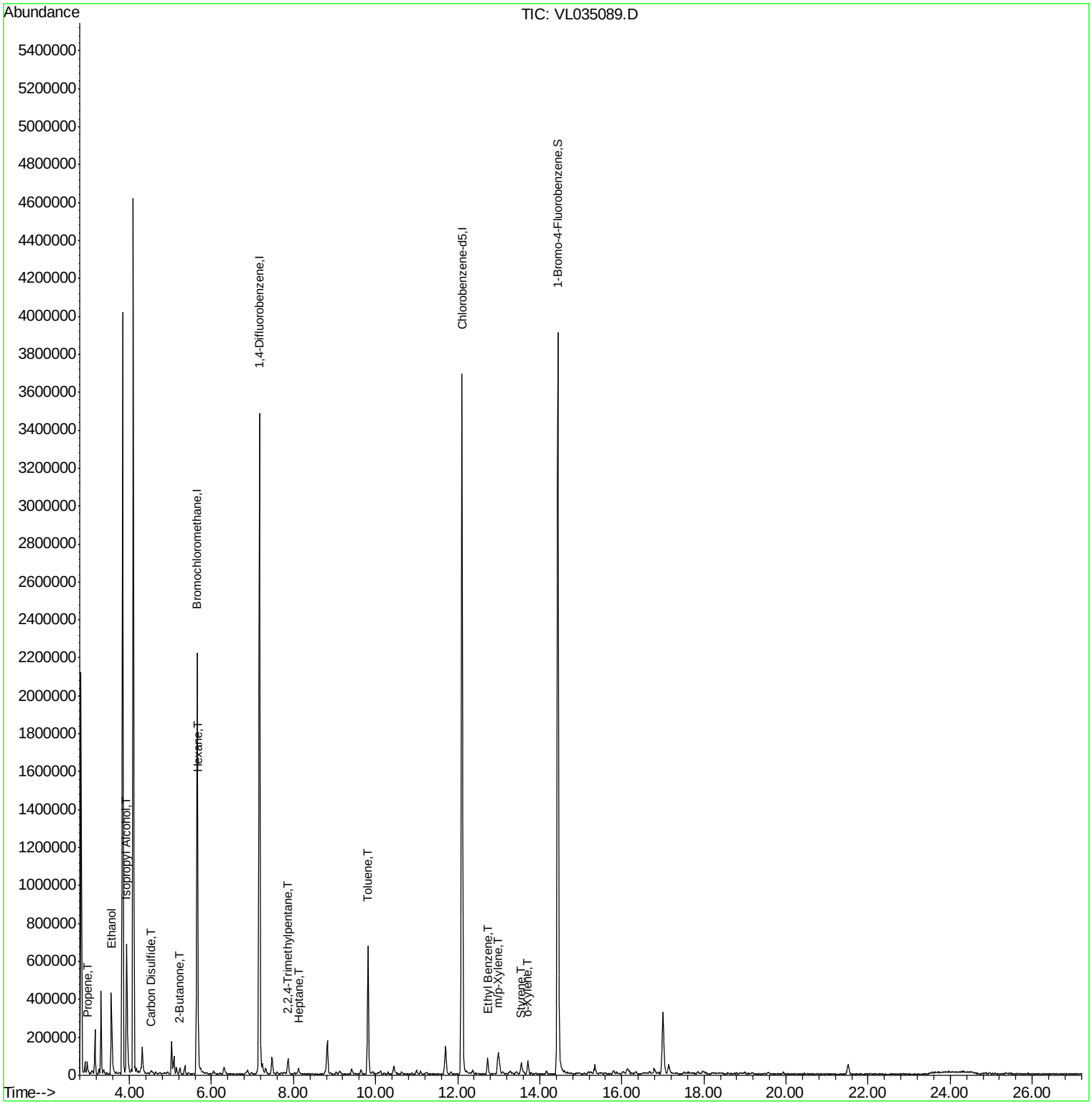
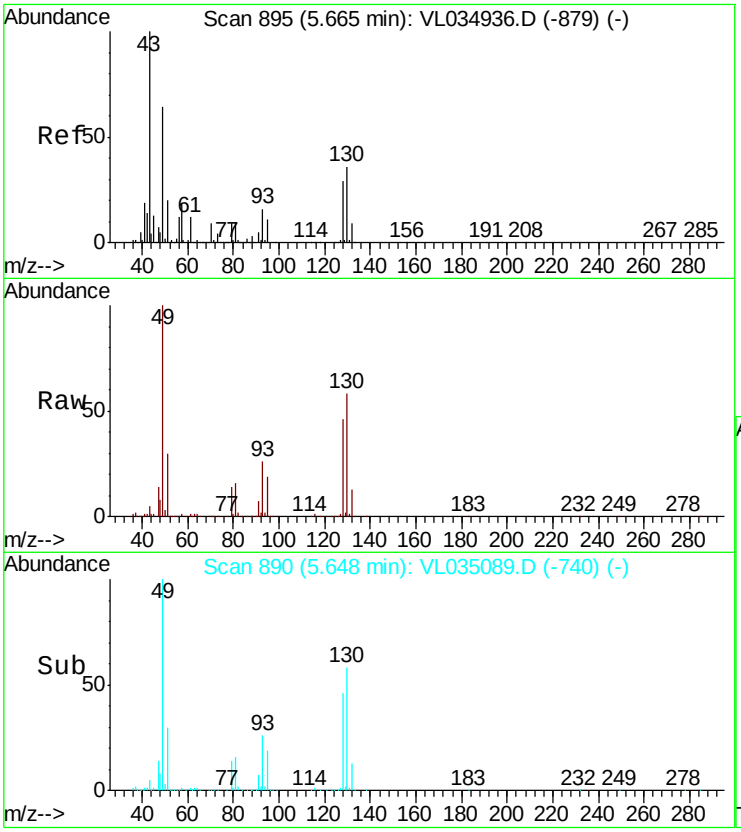


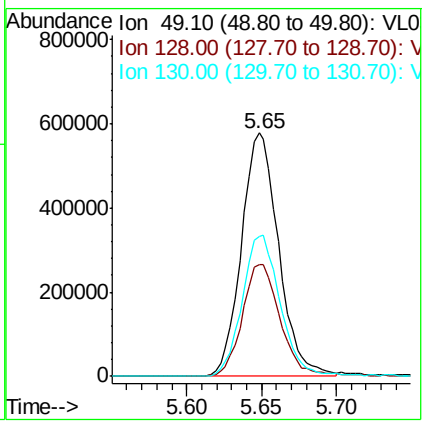


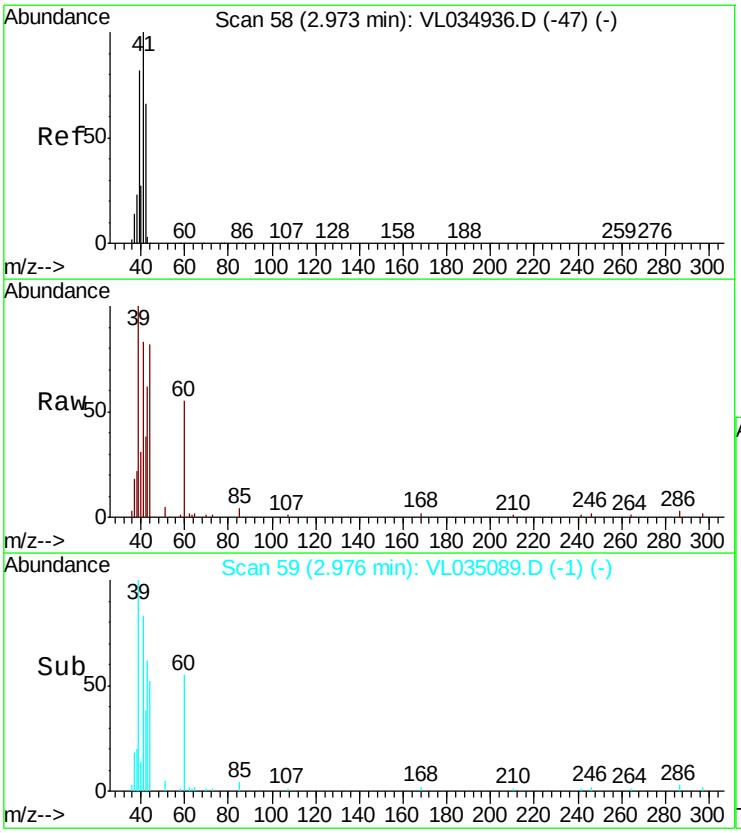
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion: 49 Resp: 1000156

Ion	Ratio	Lower	Upper
49	100		
128	47.6	22.1	66.5
130	59.9	29.1	87.3

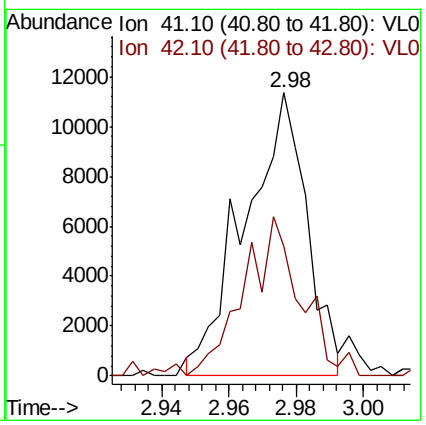


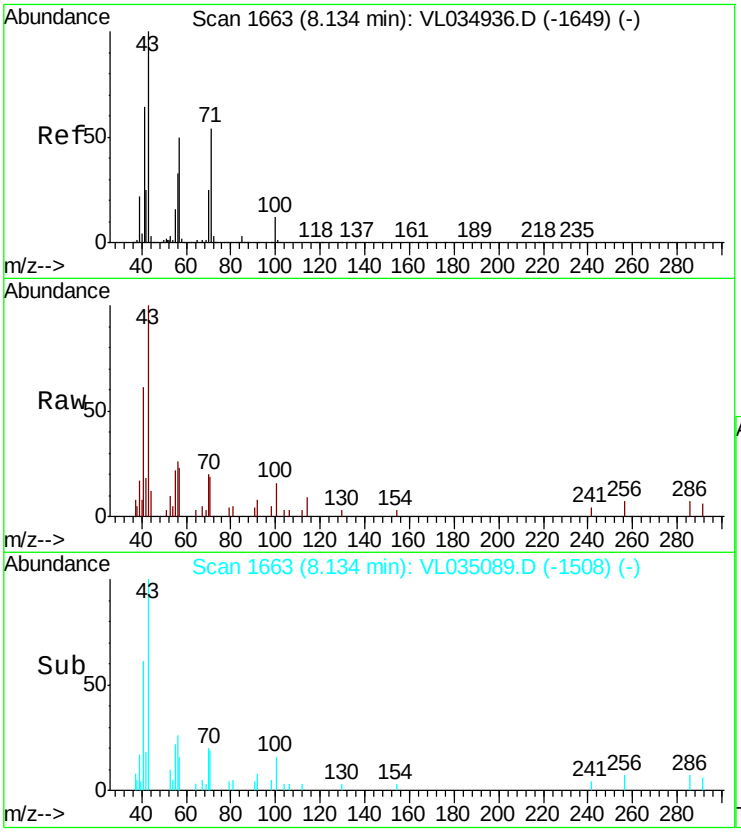


#9
Propene
Concen: 0.294 ppbv m
RT: 2.98 min Scan# 59
Delta R.T. 0.00 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion: 41 Resp: 14561

Ion	Ratio	Lower	Upper
41	100		
42	53.6	54.5	81.7#



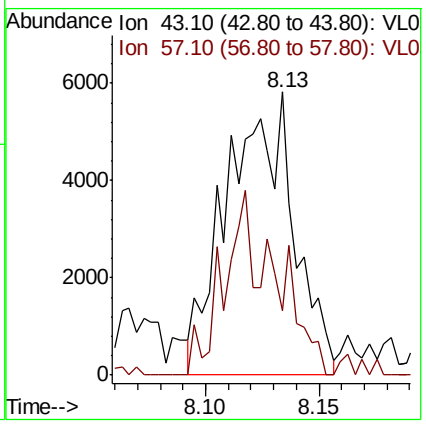


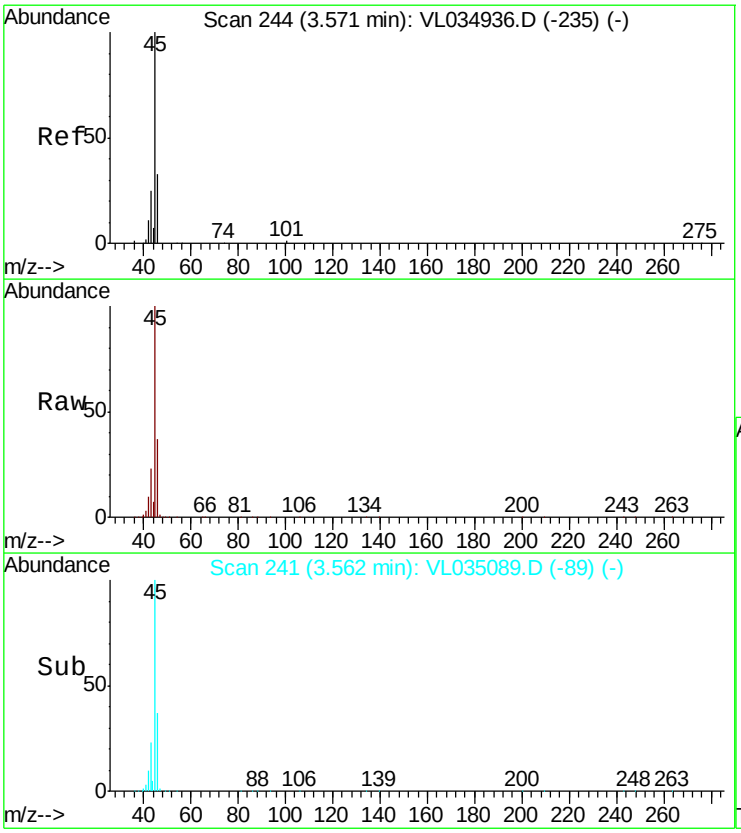
#10
Heptane
Concen: 0.096 ppbv m
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion: 43 Resp: 11910

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.1	61.7#

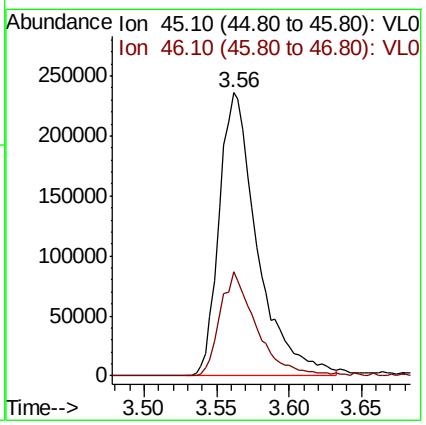


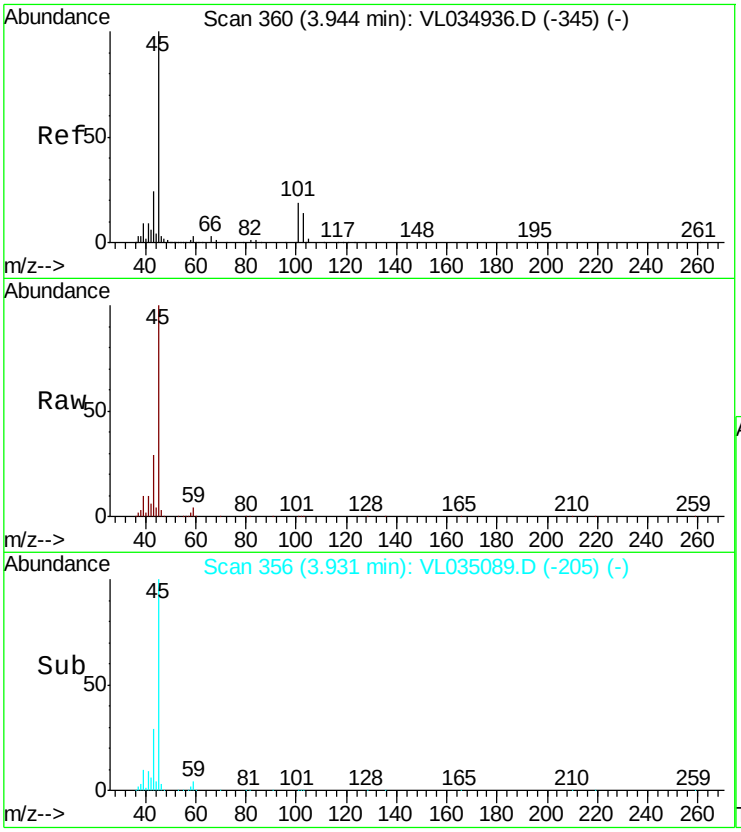


#13
Ethanol
Concen: 26.466 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion: 45 Resp: 432745

Ion	Ratio	Lower	Upper
45	100		
46	35.3	14.3	57.3



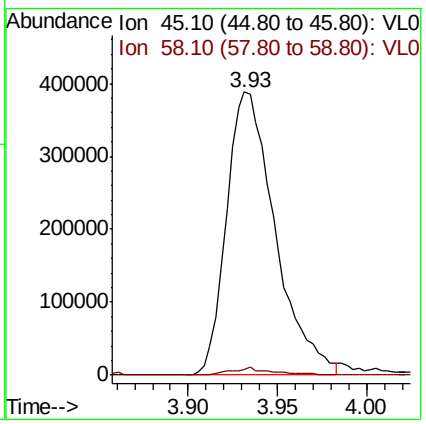


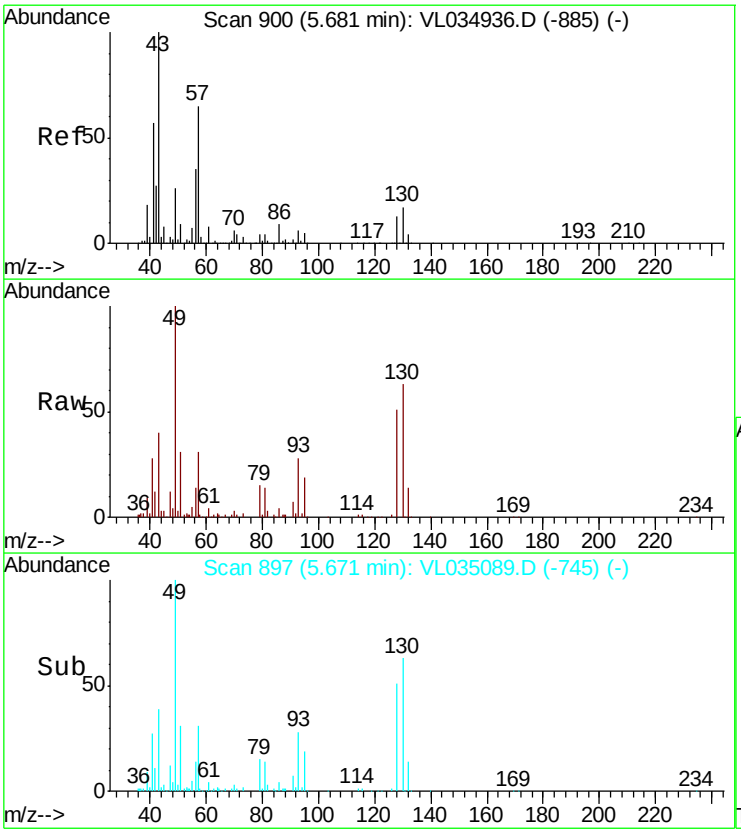
#19
Isopropyl Alcohol
Concen: 8.316 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.01 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument : MSVOA_L
ClientSampleId : IA-3DL

Tgt Ion: 45 Resp: 733252

Ion	Ratio	Lower	Upper
45	100		
58	2.5	1.7	2.5

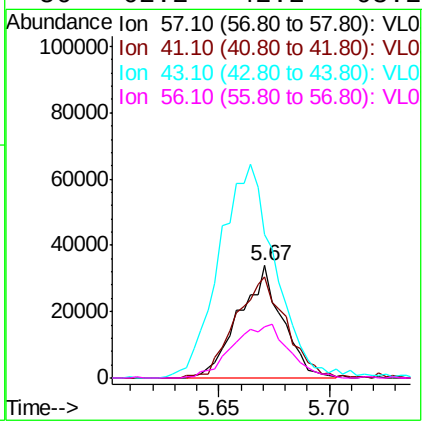


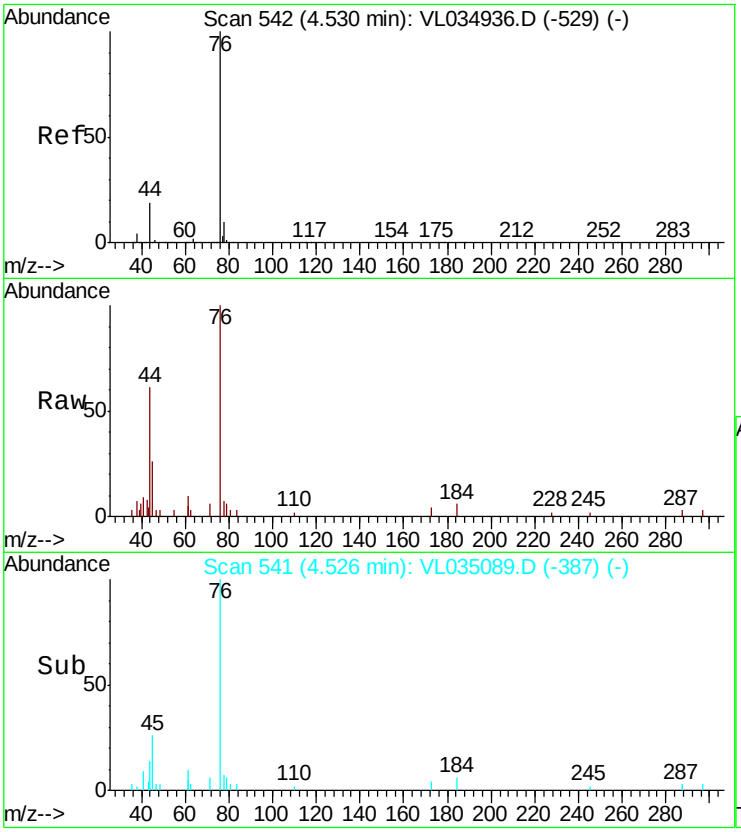


#26
Hexane
Concen: 0.480 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion: 57 Resp: 46253

Ion	Ratio	Lower	Upper
57	100		
41	107.0	72.7	109.1
43	249.5	182.1	273.1
56	62.2	42.2	63.2



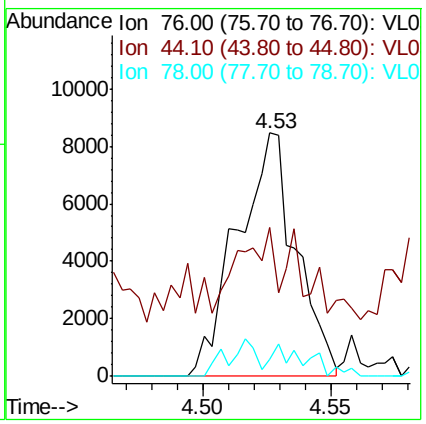


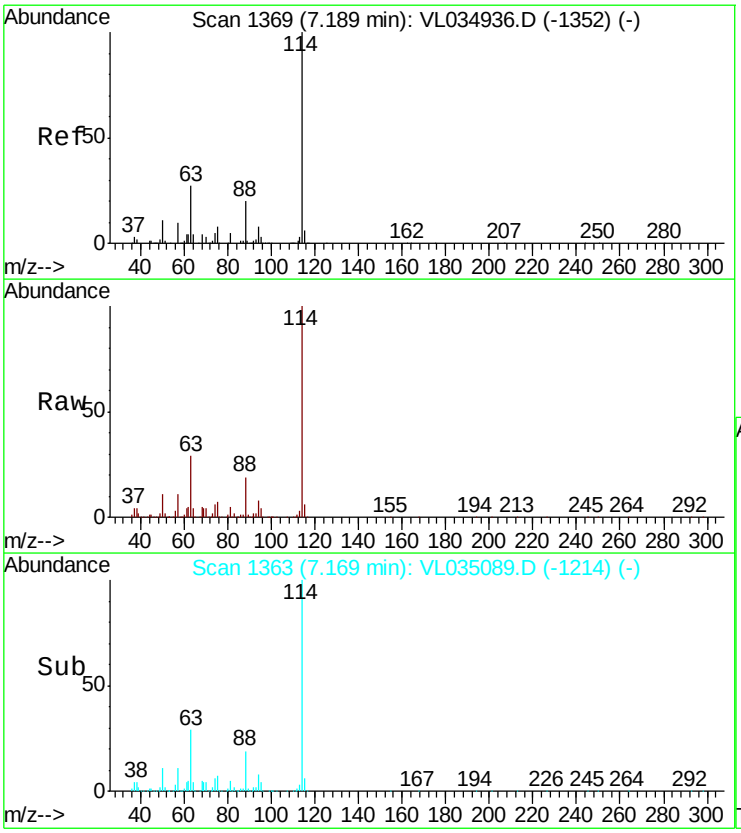
#27
Carbon Disulfide
Concen: 0.119 ppbv m
RT: 4.53 min Scan# 541
Delta R.T. -0.00 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument : MSVOA_L
ClientSampleId : IA-3DL

Tgt Ion: 76 Resp: 13484

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.2	22.8#
78	15.5	7.7	11.5#

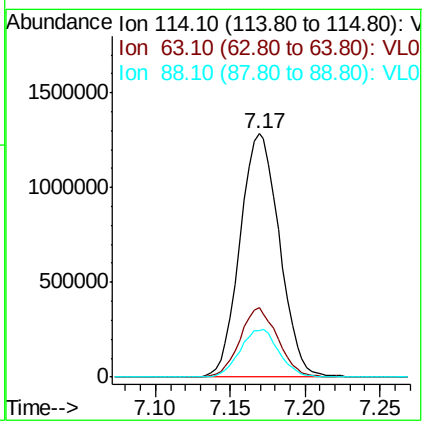


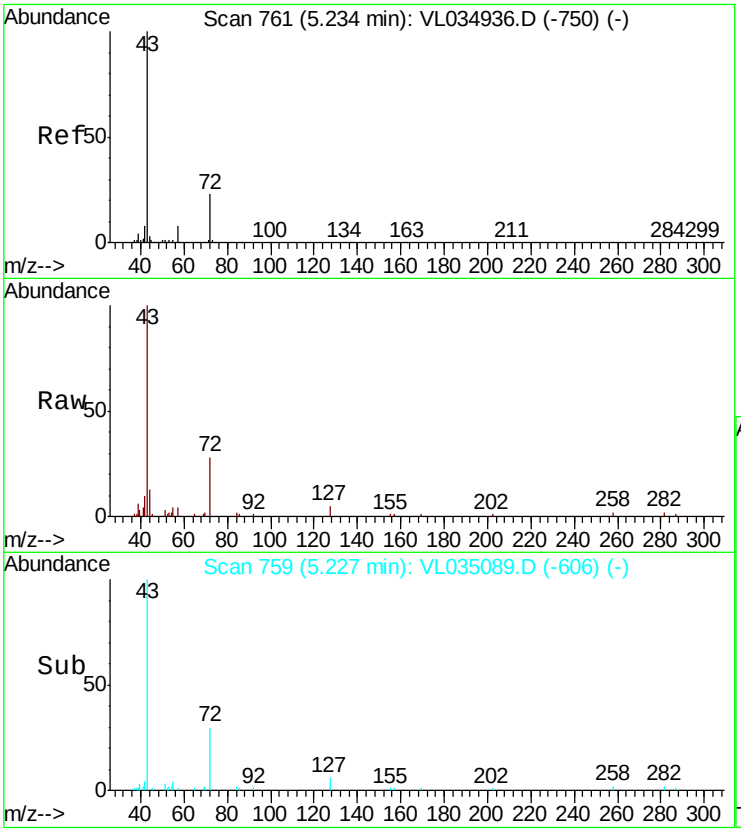


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion:114 Resp: 2358050

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	19.5	15.5	23.3



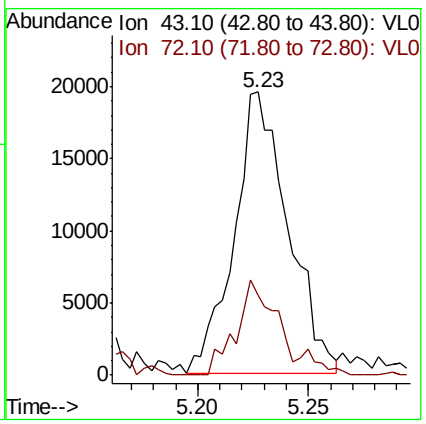


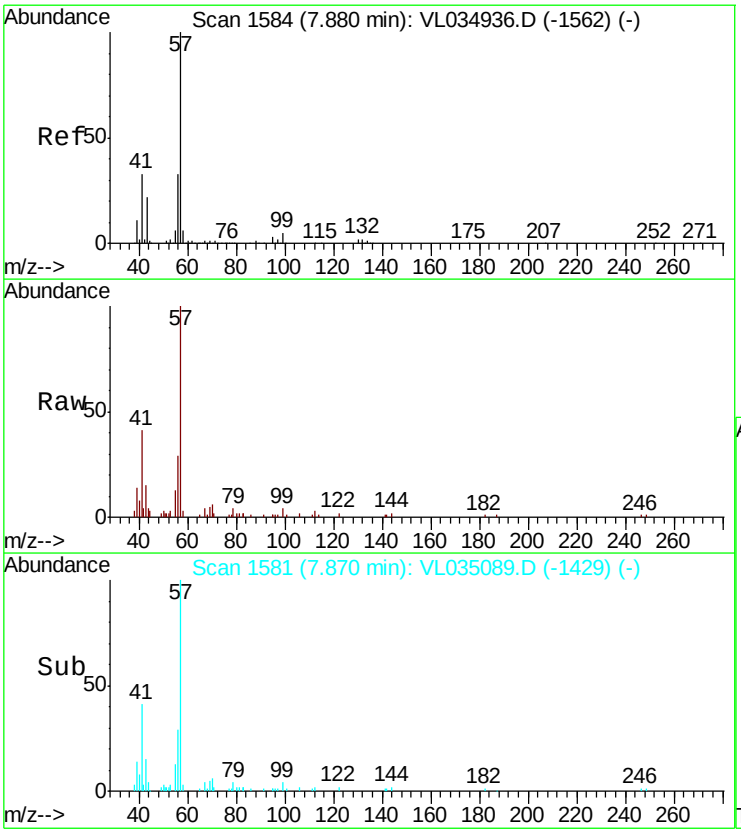
#34
2-Butanone
Concen: 0.226 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.01 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument : MSVOA_L
ClientSampleId : IA-3DL

Tgt Ion: 43 Resp: 33128

Ion	Ratio	Lower	Upper
43	100		
72	27.9	18.0	27.0#

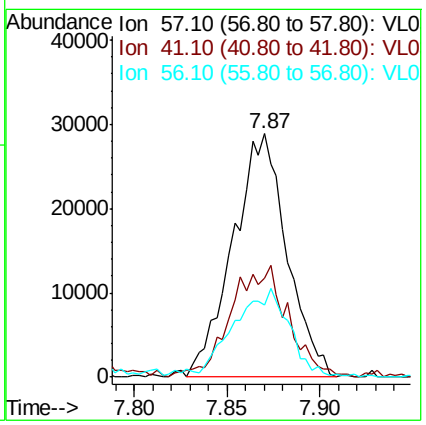


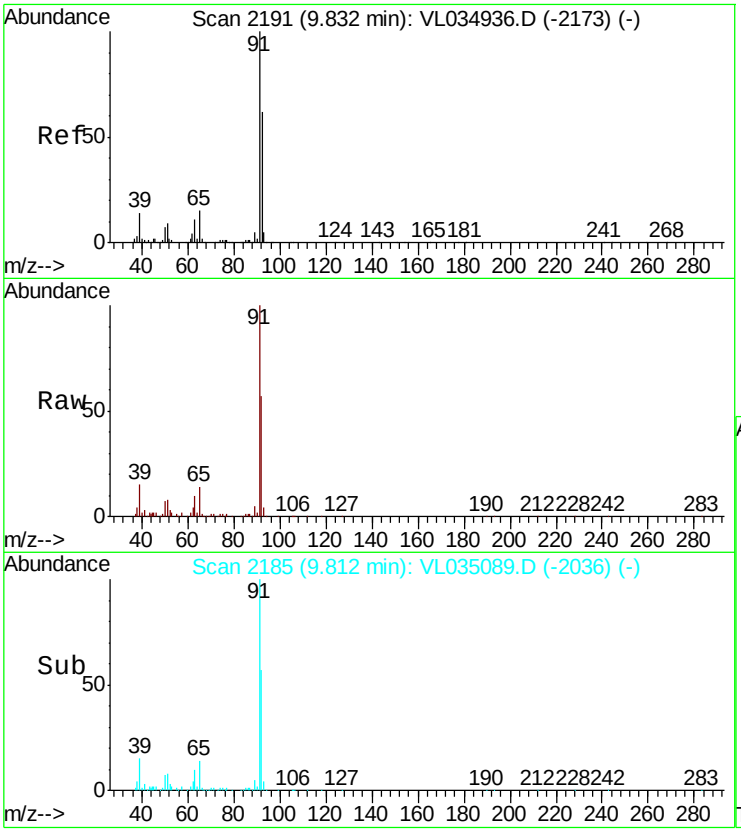


#44
2,2,4-Trimethylpentane
Concen: 0.170 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion: 57 Resp: 58590

Ion	Ratio	Lower	Upper
57	100		
41	49.0	26.4	39.6#
56	39.2	25.5	38.3#



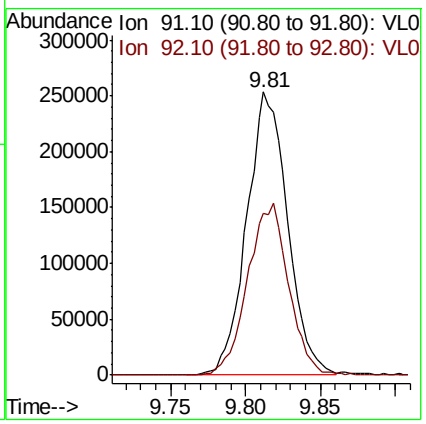


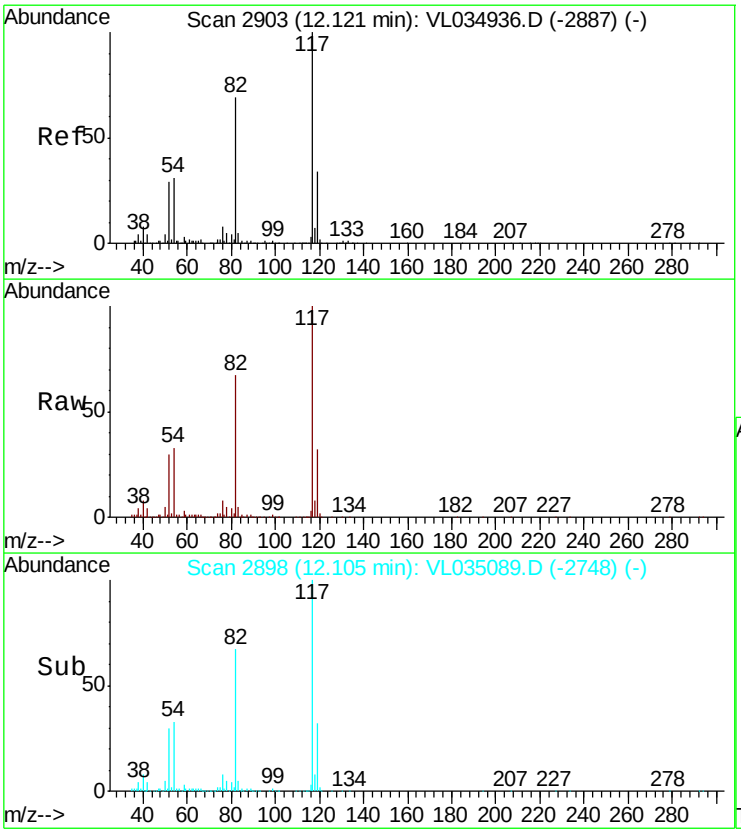
#53
Toluene
Concen: 2.344 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion: 91 Resp: 482997

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.6	73.0

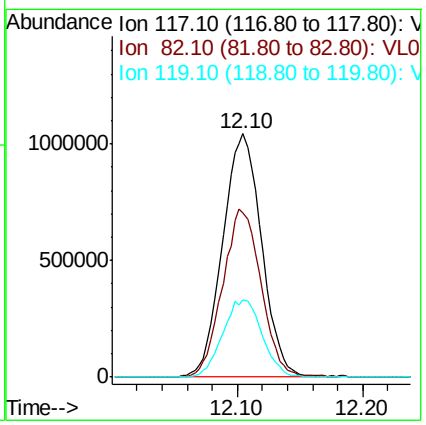


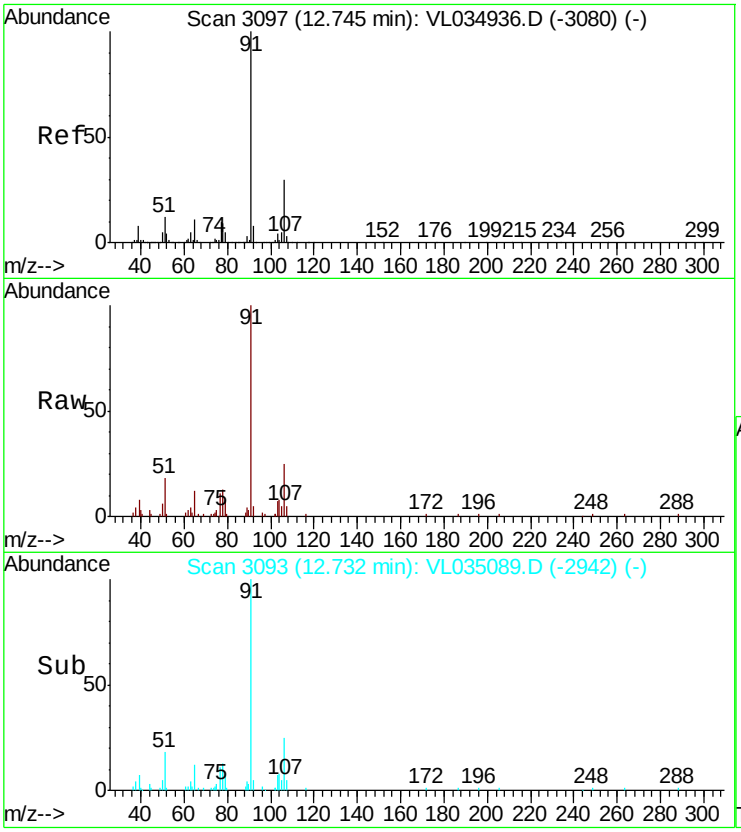


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion:117 Resp: 2214222

Ion	Ratio	Lower	Upper
117	100		
82	69.4	53.1	79.7
119	33.0	26.7	40.1



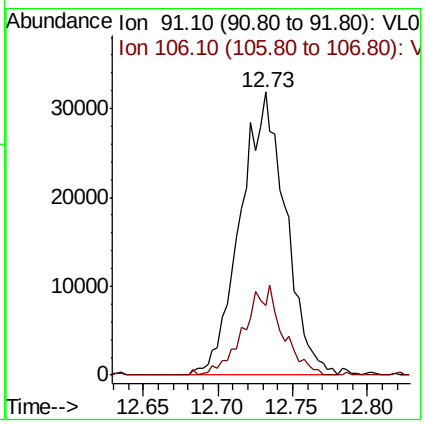


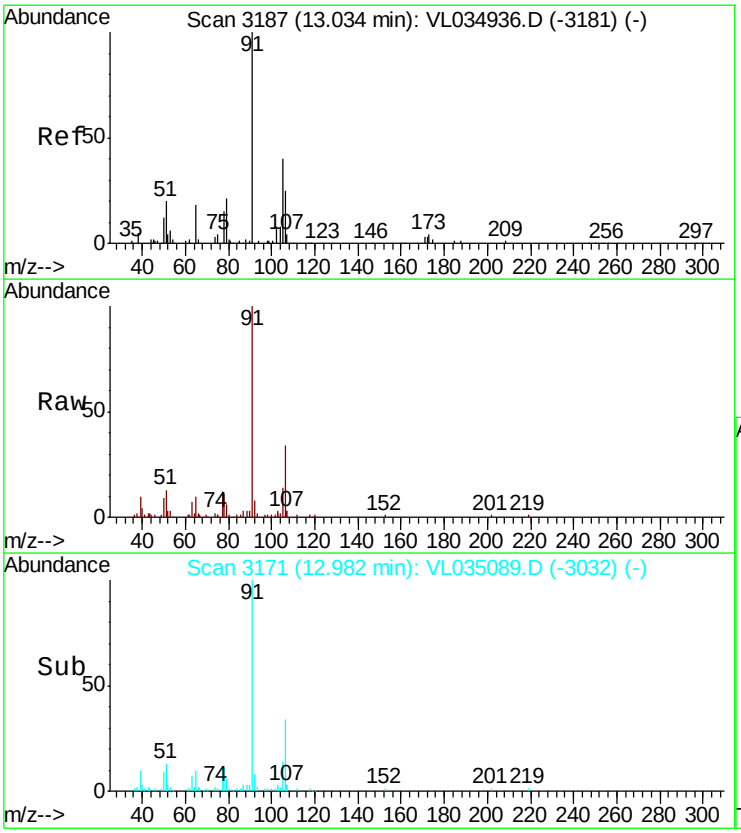
#58
Ethyl Benzene
Concen: 0.246 ppbv m
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument : MSVOA_L
ClientSampleId : IA-3DL

Tgt Ion: 91 Resp: 67342

Ion	Ratio	Lower	Upper
91	100		
106	24.6	24.2	36.4

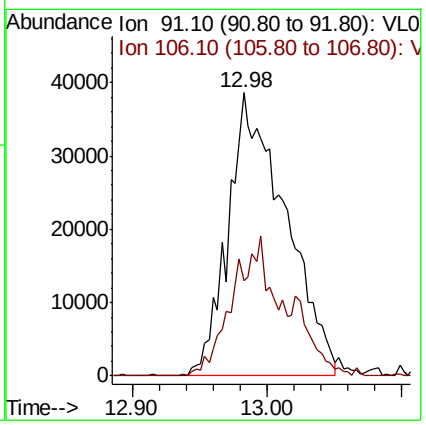


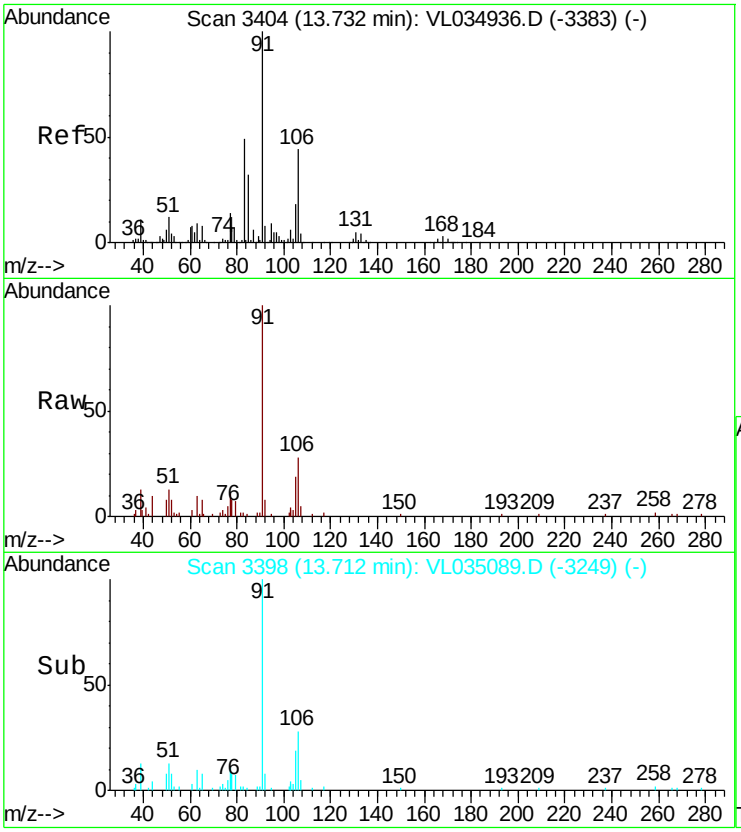


#59
m/p-Xylene
Concen: 0.472 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.05 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion: 91 Resp: 113827

Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#



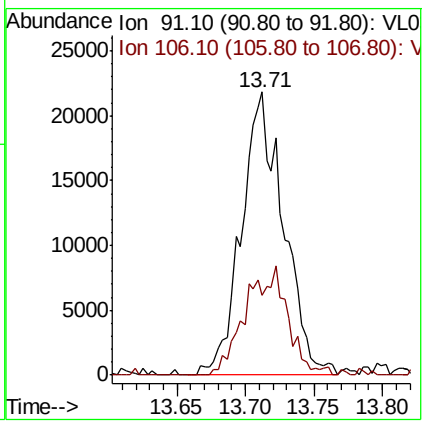


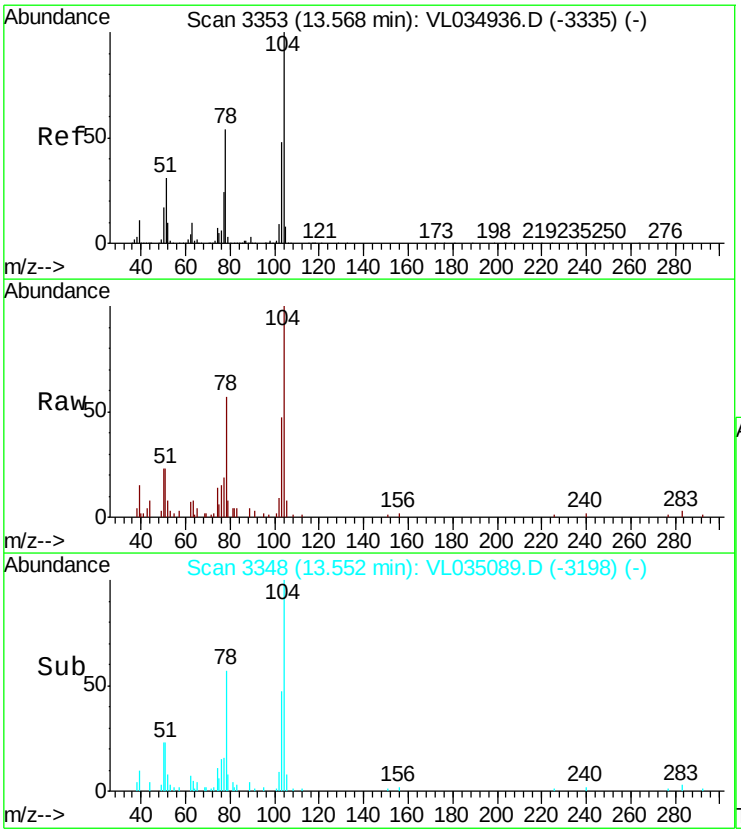
#60
o-Xylene
Concen: 0.195 ppbv m
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument : MSVOA_L
ClientSampleId : IA-3DL

Tgt Ion: 91 Resp: 46455

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#

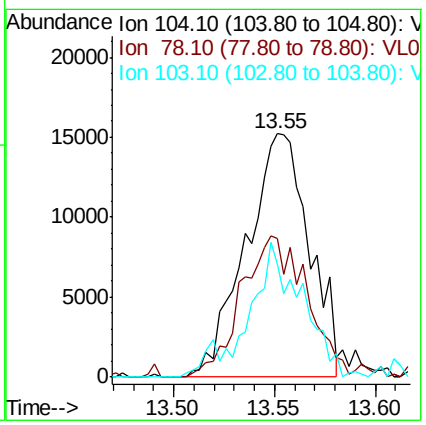


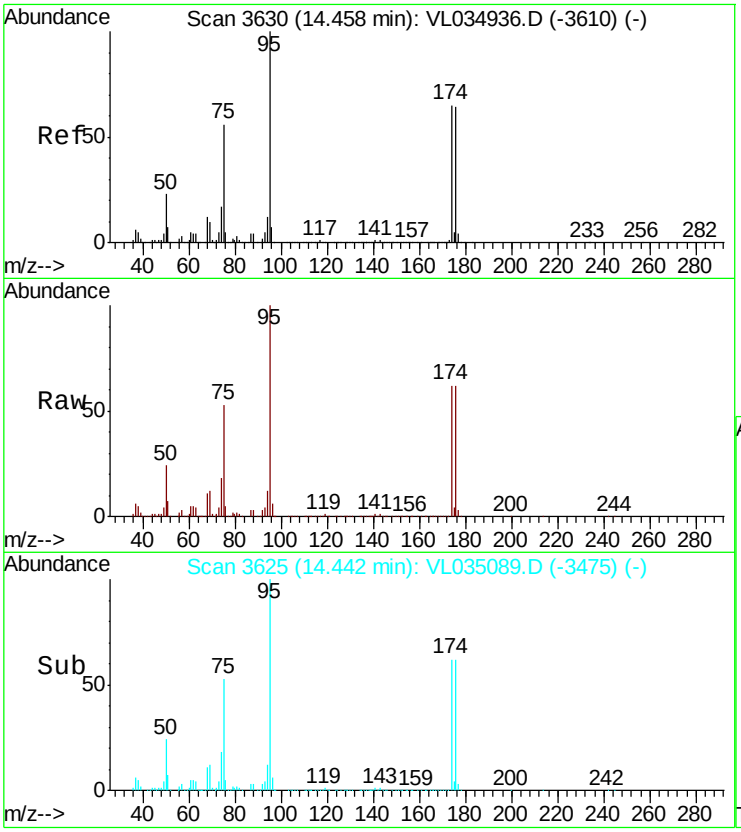


#61
Styrene
Concen: 0.222 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.02 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Tgt Ion:104 Resp: 33326

Ion	Ratio	Lower	Upper
104	100		
78	61.6	43.7	65.5
103	46.8	38.8	58.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.586 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.02 min
Lab File: VL035089.D
Acq: 22 May 2020 18:03

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion: 95 Resp: 1897370

Ion	Ratio	Lower	Upper
95	100		
174	63.6	51.5	77.3
175	4.7	3.8	5.8