Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091720\

Quantitation Report (Not Reviewed)

Data File : VL035667.D
Acq On : 17 Sep 2020 21:59
Operator : SY/AP
Sample : L3983-04DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Quant Time: Sep 18 02:34:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1136278	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	4407364	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	4368512	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	3204004	10.33	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.30%				
Target Compounds							Qvalue
9) Propene	3.01	41	61133	1.262	ppbv		93
13) Ethanol	3.62	45	6449	0.537	ppbv		91
15) Acetone	3.86	43	349829	2.791	ppbv		95
16) 1,3-Butadiene	3.30	39	34082	0.731	ppbv	#	13
17) tert-Butyl alcohol	4.32	59	12875	0.084	ppbv		97
19) Isopropyl Alcohol	3.99	45	3730	0.050	ppbv	#	93
20) Methylene Chloride	4.34	84	22411	0.240	ppbv		98
23) Vinyl Acetate	5.07	43	5243	0.033	ppbv	#	87
26) Hexane	5.69	57	9546	0.076	ppbv	#	50
34) 2-Butanone	5.27	43	33695	0.258	ppbv		100
36) Benzene	6.89	78	10211	0.036	ppbv		96
39) 1,2-Dichloropropane	7.18	63	845143	8.769	ppbv	#	32
50) 4-Methyl-2-Pentanone	8.77	43	146798	0.775	ppbv		94
52) Tetrachloroethene	11.24	164	1739842	10.439	ppbv		96
53) Toluene	9.82	91	20011	0.056	ppbv	#	35
58) Ethyl Benzene	12.73	91	13942	0.031	ppbv	#	84
59) m/p-Xylene	13.01	91	14518	0.039	ppbv	#	24
60) o-Xylene	13.71	91	15461	0.041	ppbv		99

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

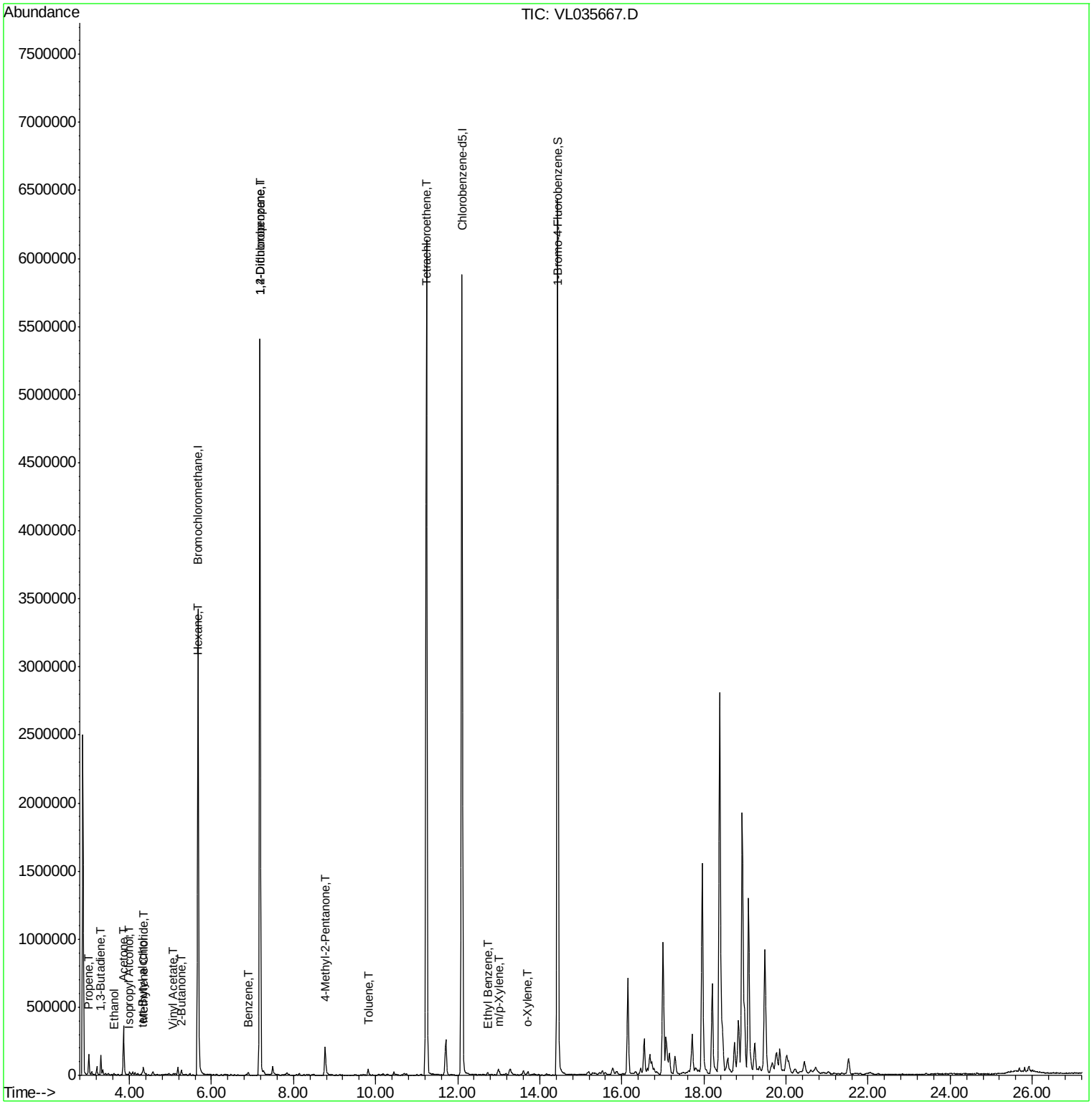
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091720\

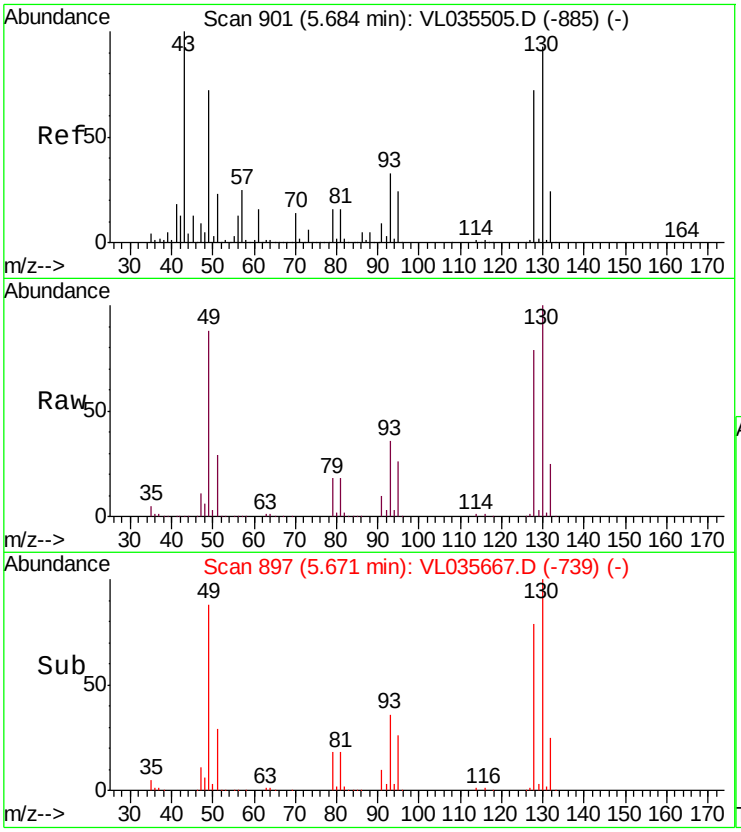
Quantitation Report (Not Reviewed)

Data File : VL035667.D
Acq On : 17 Sep 2020 21:59
Operator : SY/AP
Sample : L3983-04DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Quant Time: Sep 18 02:34:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration



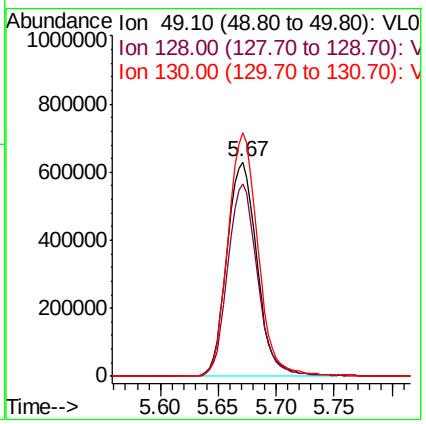


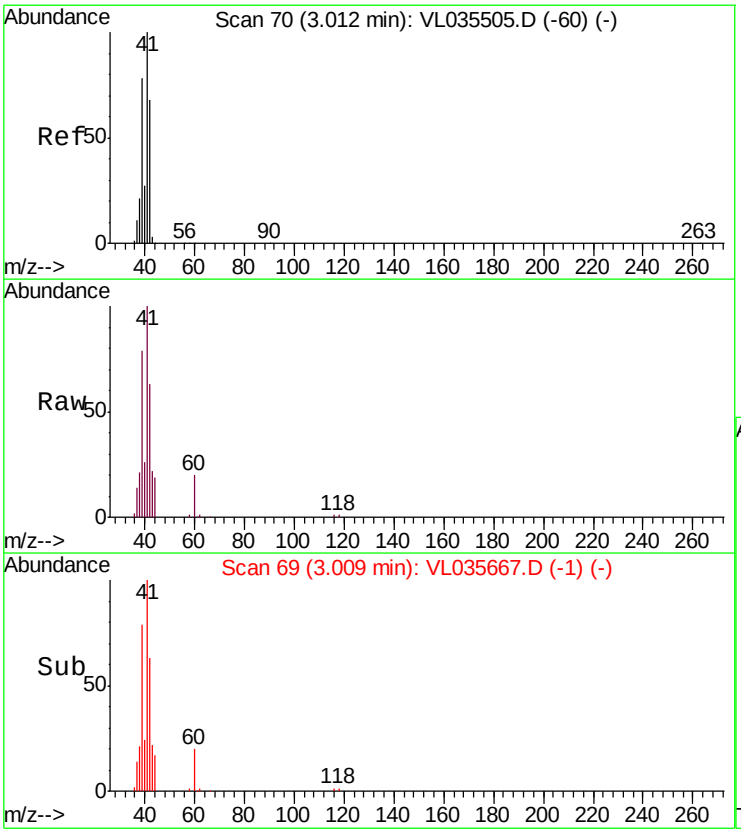
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 49 Resp: 1136278

Ion	Ratio	Lower	Upper
49	100		
128	88.8	50.0	150.1
130	113.5	64.4	193.2

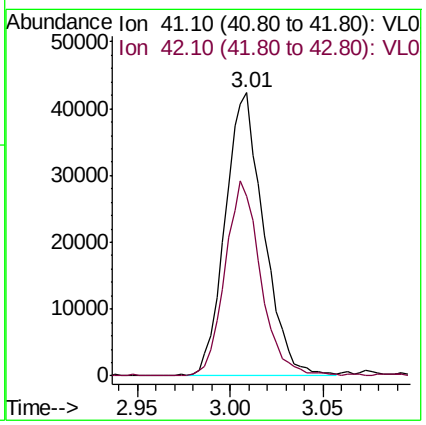


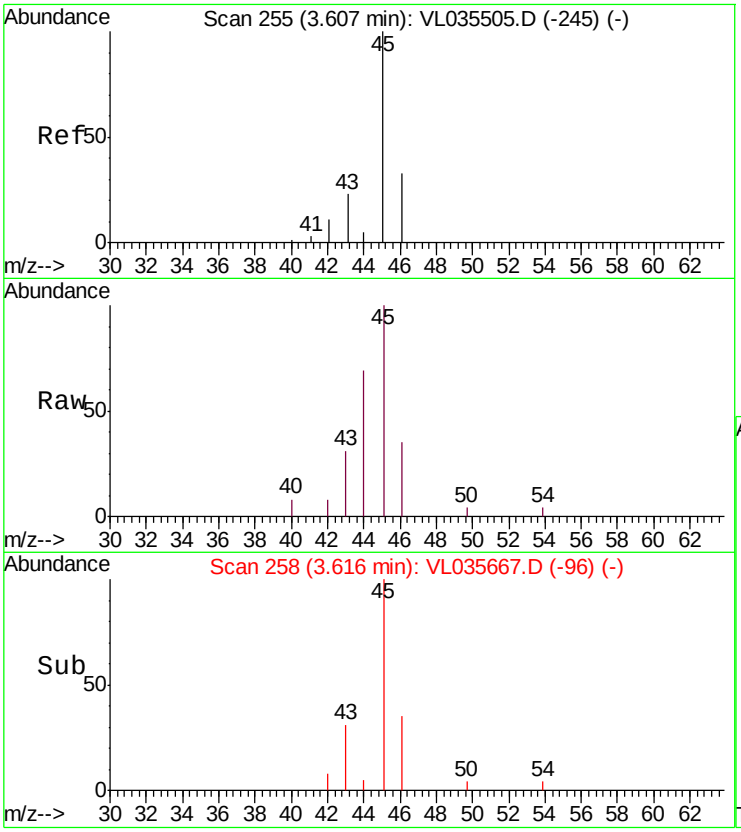


#9
Propene
Concen: 1.262 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 41 Resp: 61133

Ion	Ratio	Lower	Upper
41	100		
42	64.6	56.3	84.5



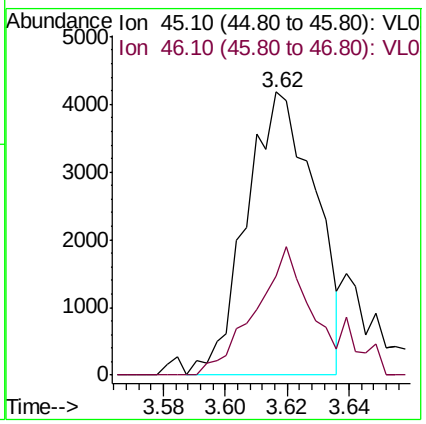


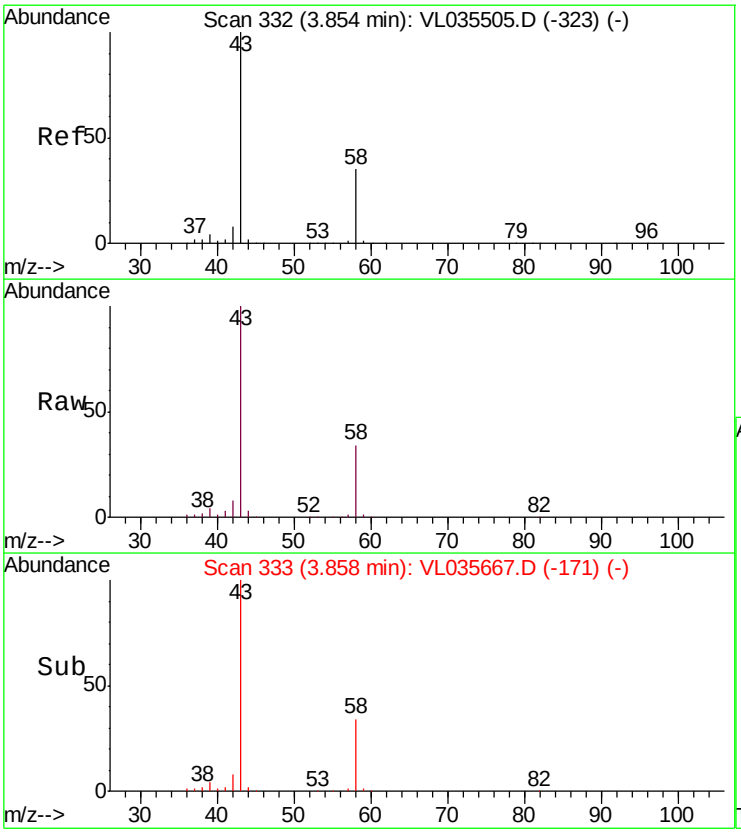
#13
Ethanol
Concen: 0.537 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 45 Resp: 6449

Ion	Ratio	Lower	Upper
45	100		
46	43.1	15.2	60.6

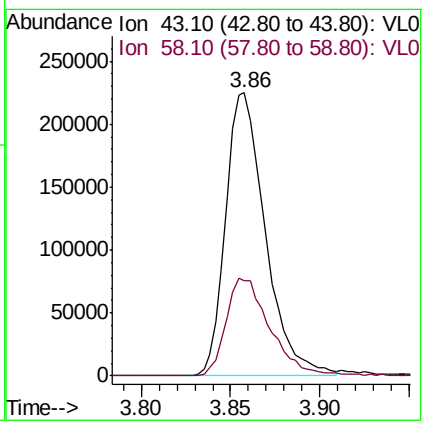


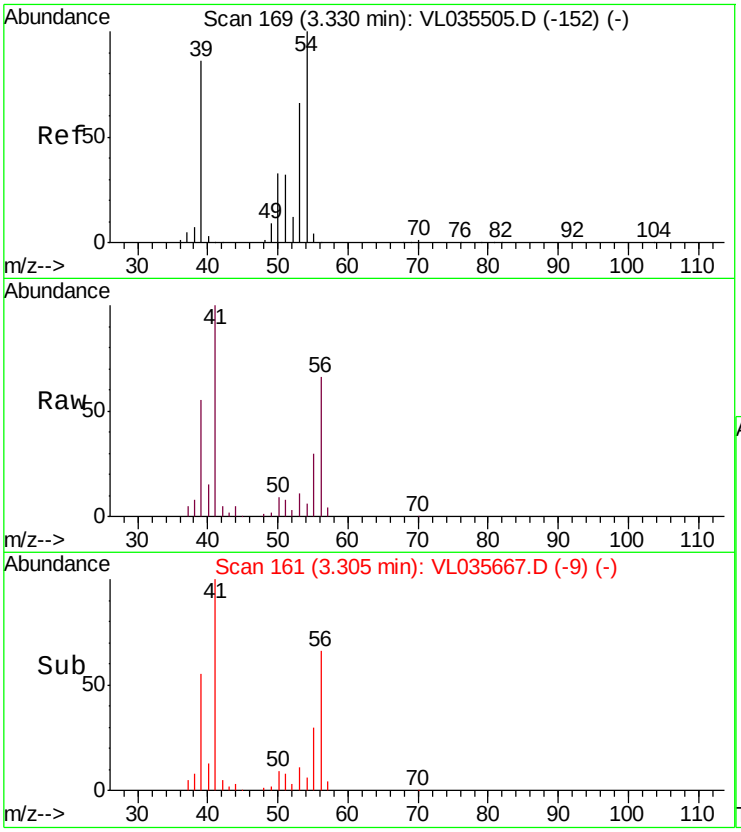


#15
Acetone
Concen: 2.791 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 43 Resp: 349829

Ion	Ratio	Lower	Upper
43	100		
58	38.4	28.4	42.6



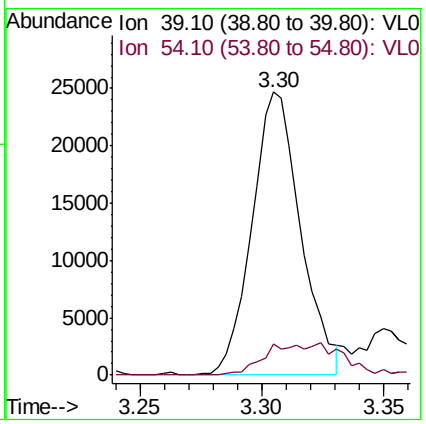


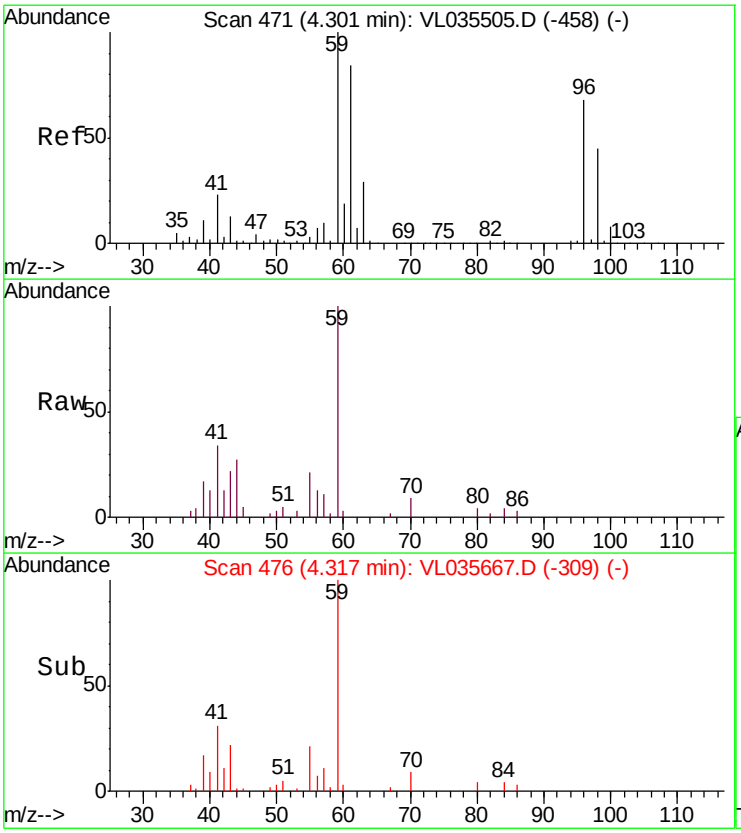
#16
1,3-Butadiene
Concen: 0.731 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 39 Resp: 34082

Ion	Ratio	Lower	Upper
39	100		
54	18.0	88.4	132.6#

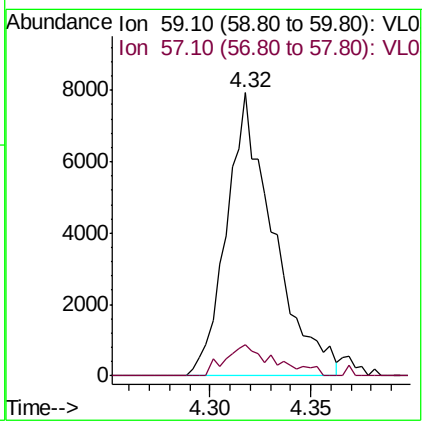


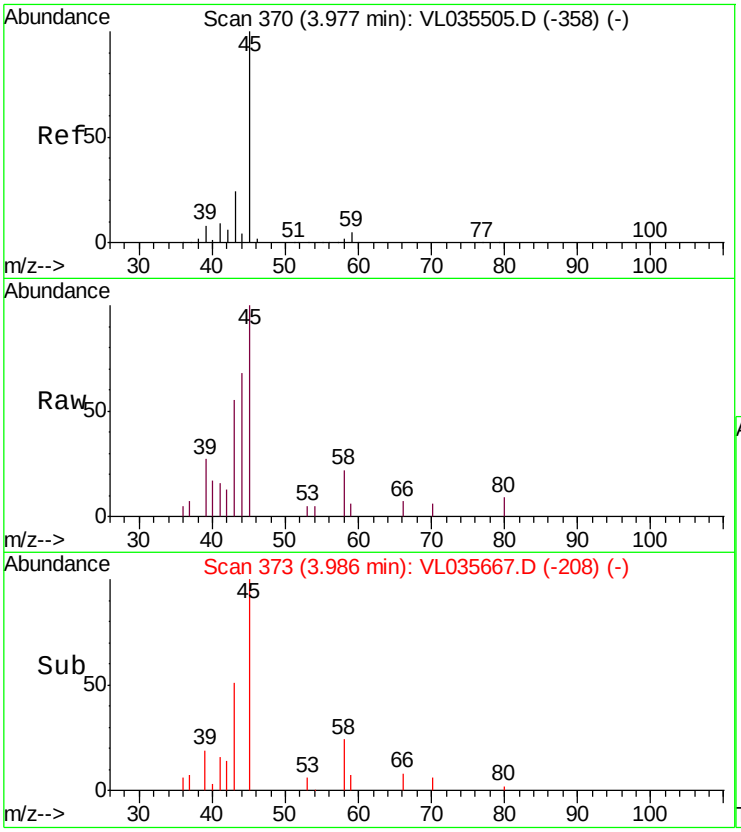


#17
tert-Butyl alcohol
Concen: 0.084 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.04 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 59 Resp: 12875

Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.4	12.6



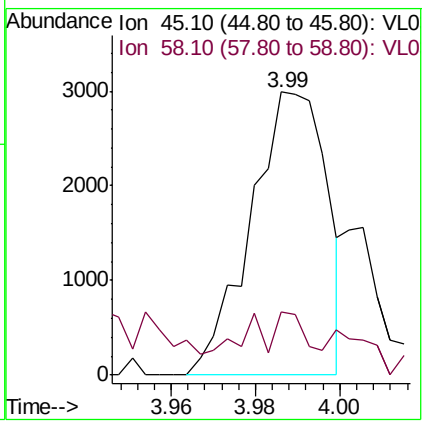


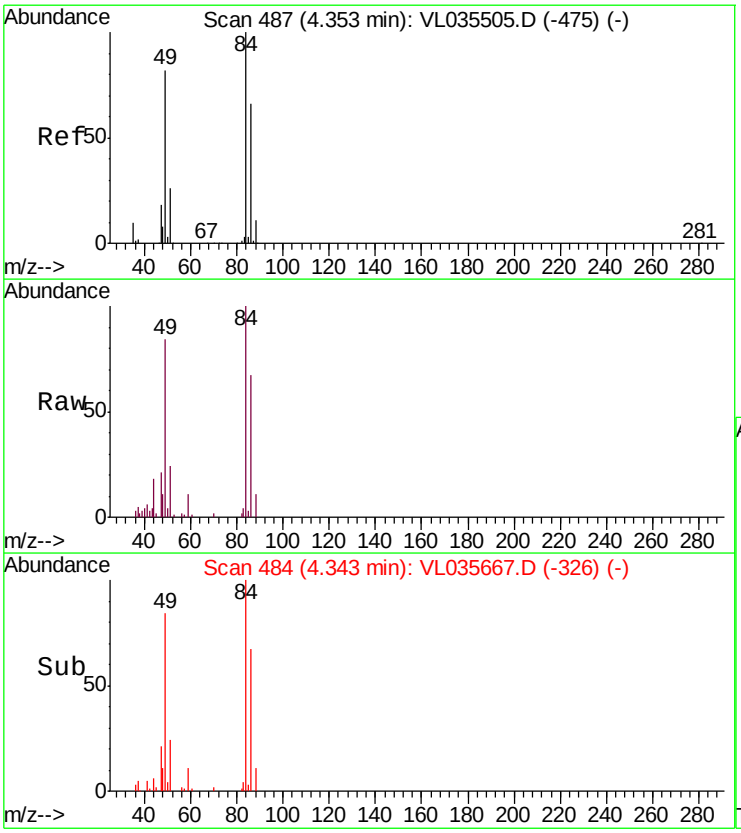
#19
Isopropyl Alcohol
Concen: 0.050 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.03 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 45 Resp: 3730

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

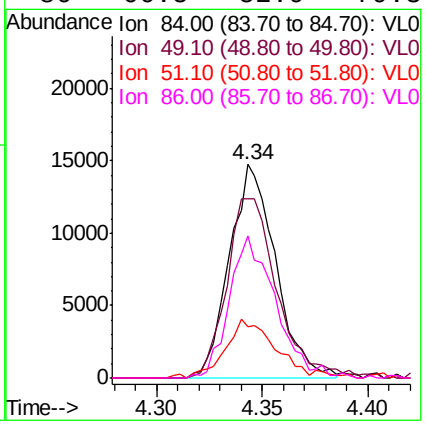


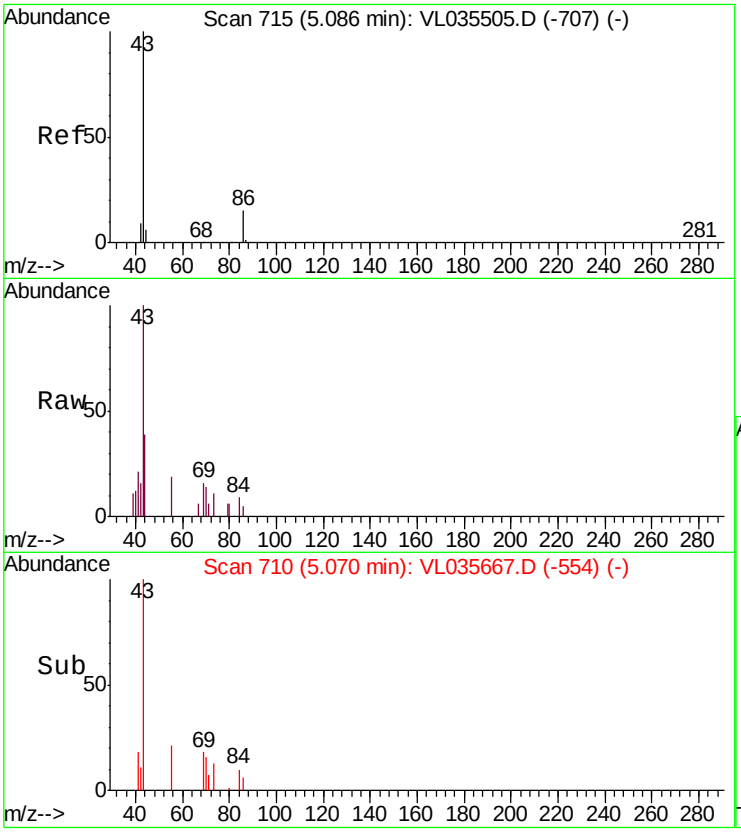


#20
Methylene Chloride
Concen: 0.240 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 84 Resp: 22411

Ion	Ratio	Lower	Upper
84	100		
49	83.9	65.4	98.0
51	23.8	21.5	32.3
86	66.5	52.9	79.3



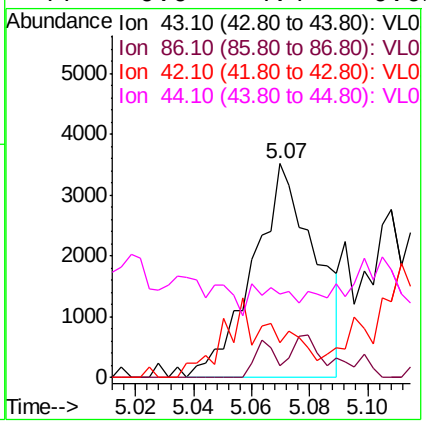


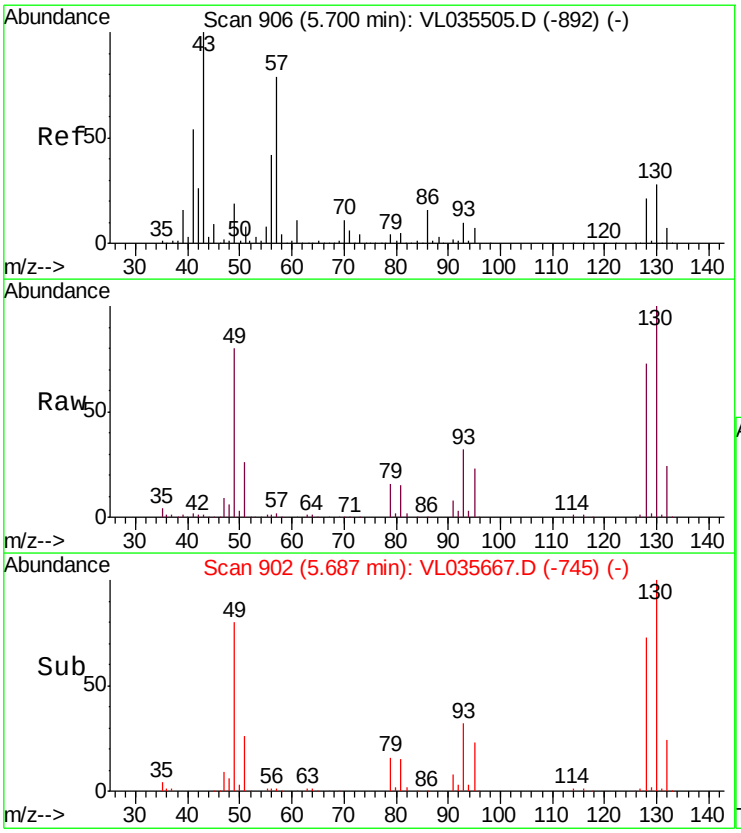
#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 43 Resp: 5243

Ion	Ratio	Lower	Upper
43	100		
86	5.3	10.6	16.0#
42	9.9	7.5	11.3
44	0.0	4.4	6.6#

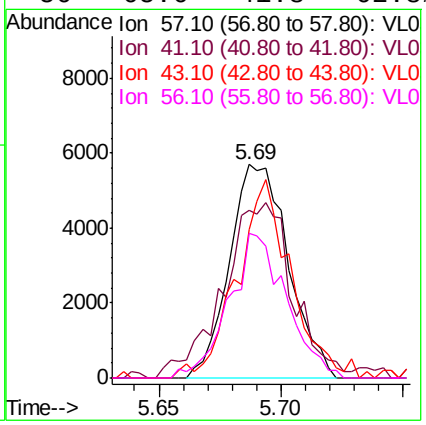


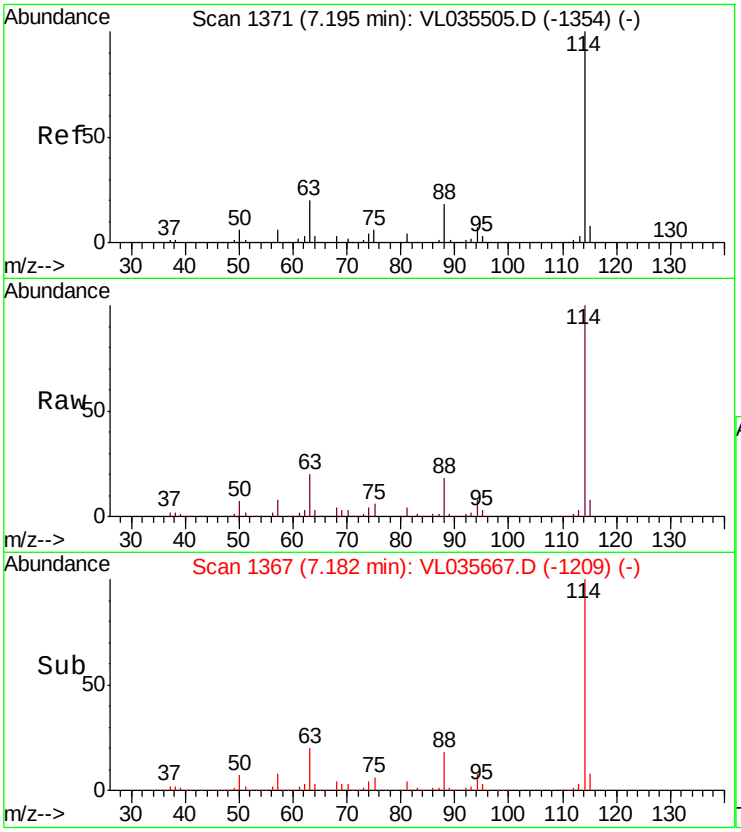


#26
Hexane
Concen: 0.076 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 57 Resp: 9546

Ion	Ratio	Lower	Upper
57	100		
41	99.5	55.9	83.9#
43	86.4	141.8	212.8#
56	65.6	41.8	62.8#



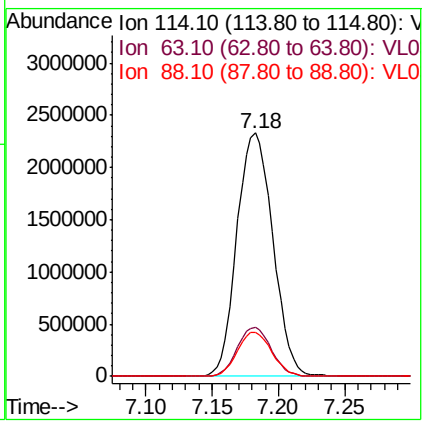


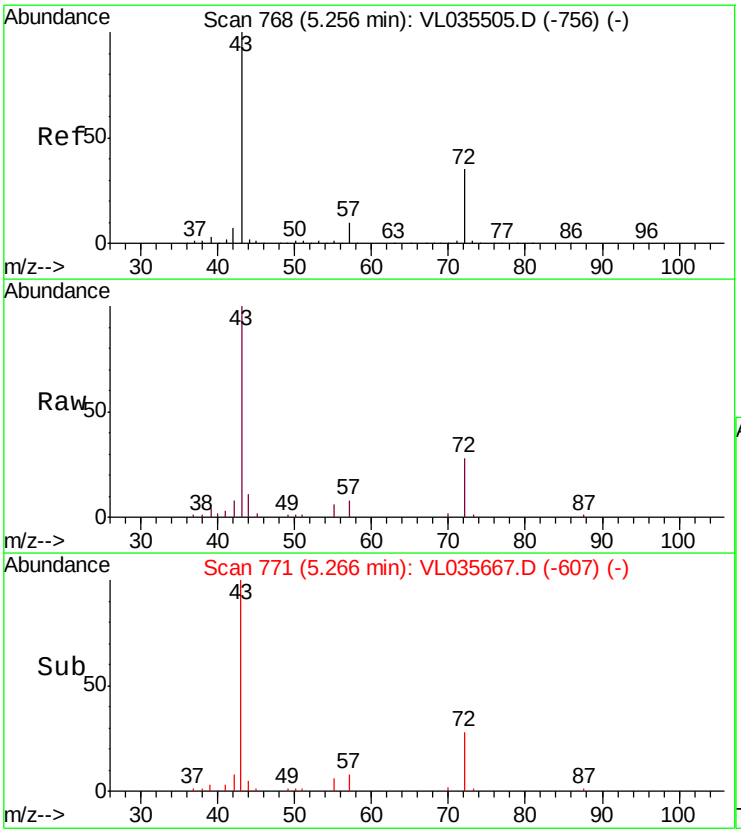
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion:114 Resp: 4407364

Ion	Ratio	Lower	Upper
114	100		
63	19.3	14.7	22.1
88	17.4	13.4	20.2

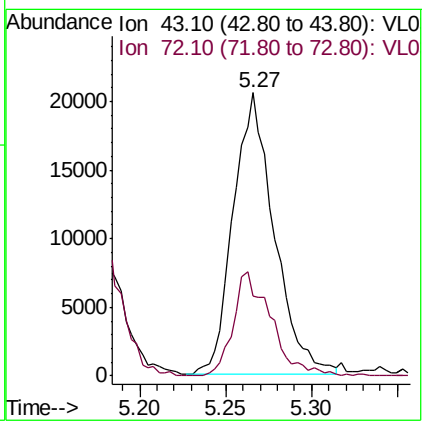


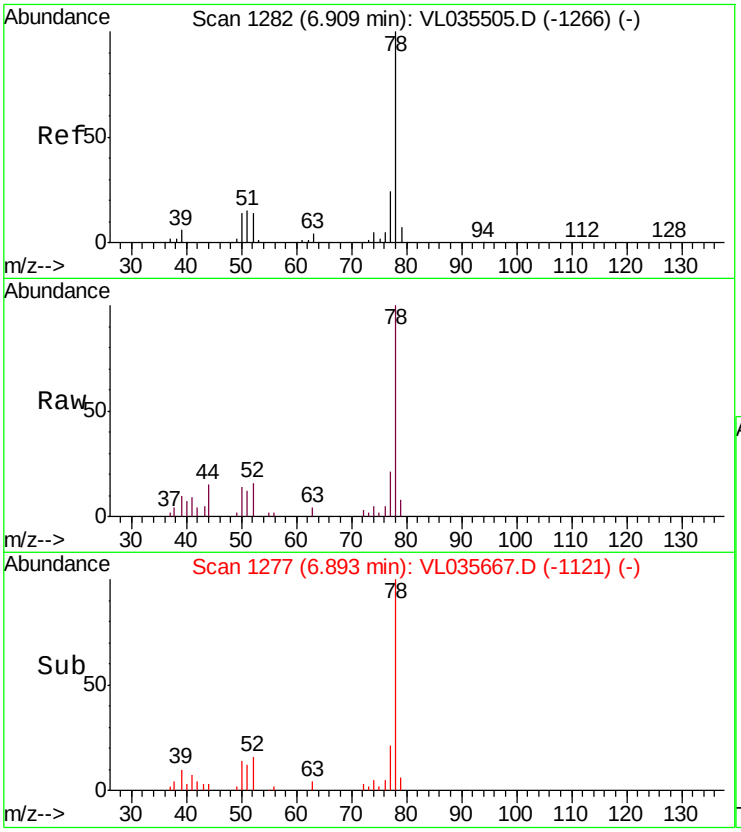


#34
2-Butanone
Concen: 0.258 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.03 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 43 Resp: 33695

Ion	Ratio	Lower	Upper
43	100		
72	34.5	27.7	41.5



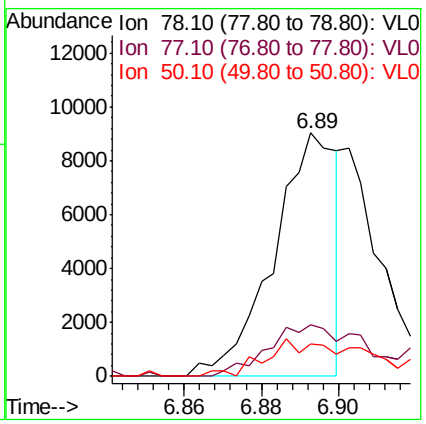


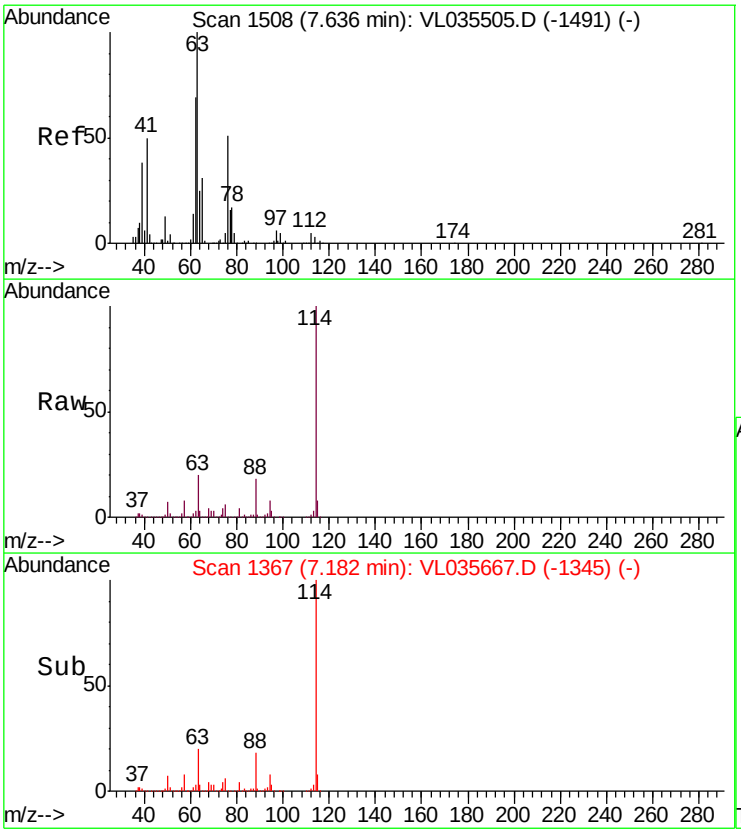
#36
Benzene
Concen: 0.036 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 78 Resp: 10211

Ion	Ratio	Lower	Upper
78	100		
77	21.2	19.3	28.9
50	13.5	11.0	16.6

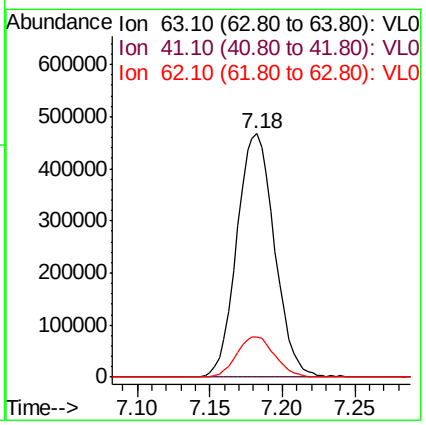


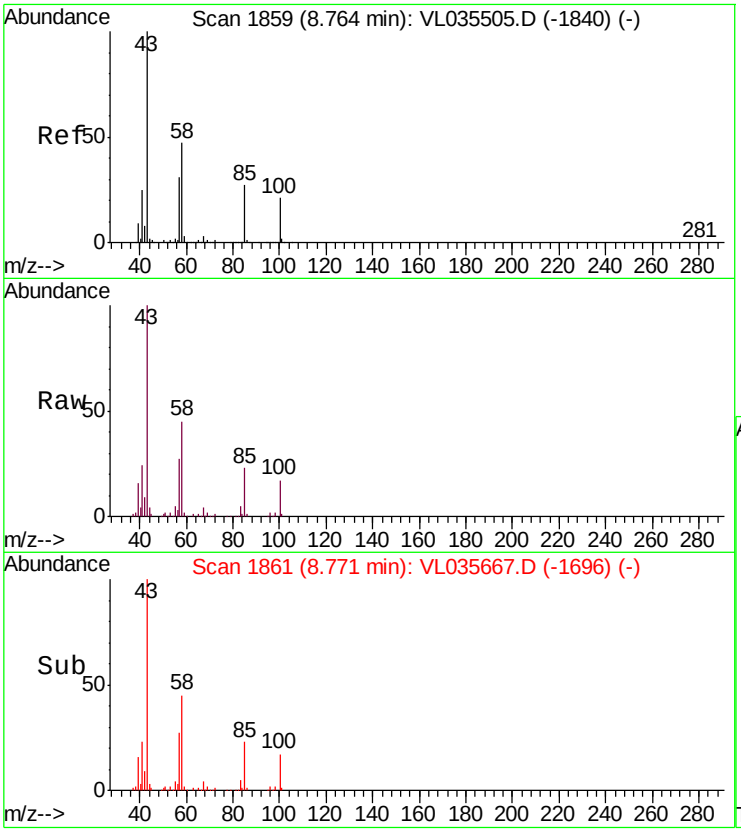


#39
1,2-Dichloropropane
Concen: 8.769 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.43 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 63 Resp: 845143

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.4	55.4	83.0#



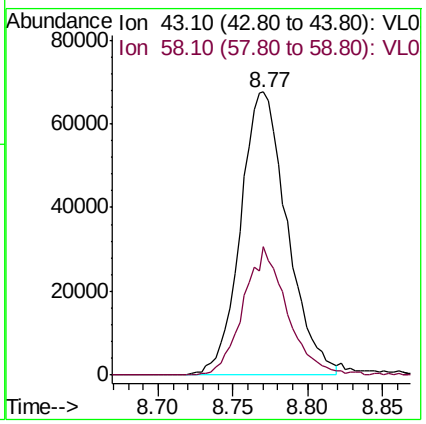


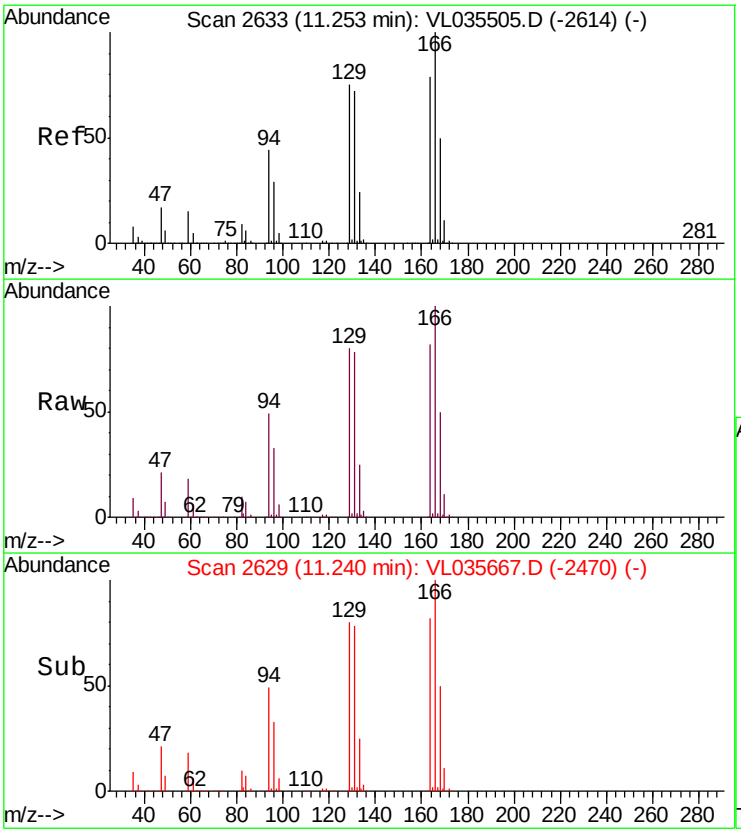
#50
4-Methyl-2-Pentanone
Concen: 0.775 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. 0.03 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 43 Resp: 146798

Ion	Ratio	Lower	Upper
43	100		
58	42.9	37.4	56.0

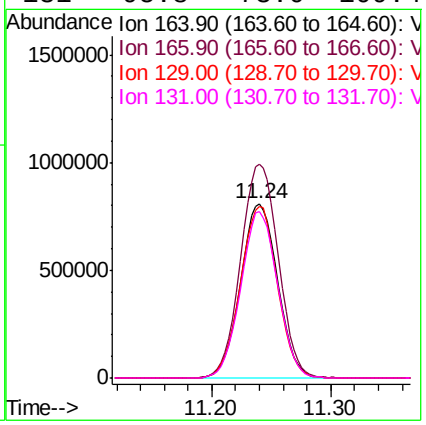


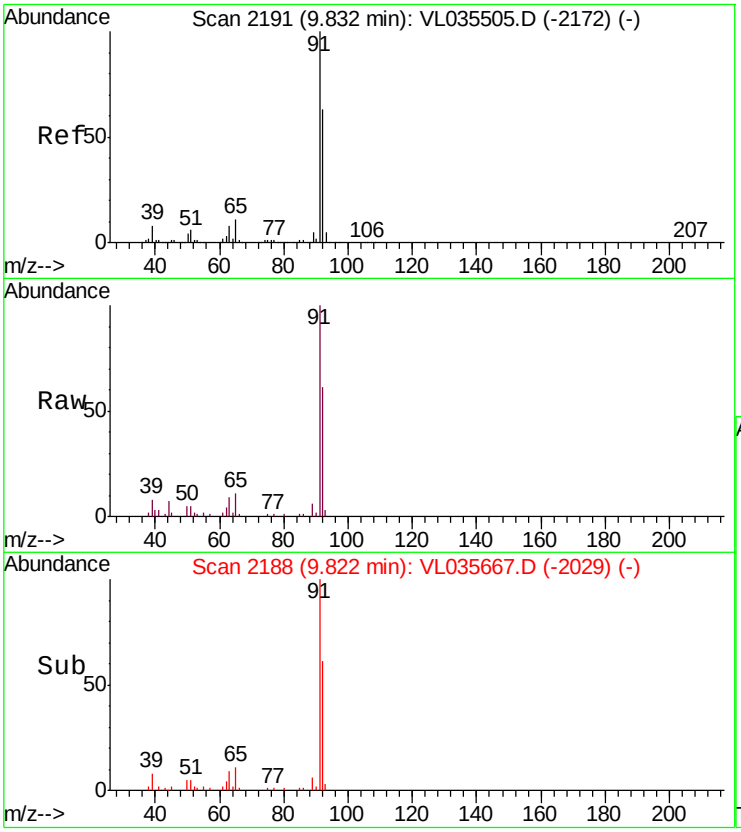


#52
Tetrachloroethene
Concen: 10.439 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion:164 Resp: 1739842

Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.9	151.3
129	98.5	75.3	112.9
131	95.8	73.0	109.4



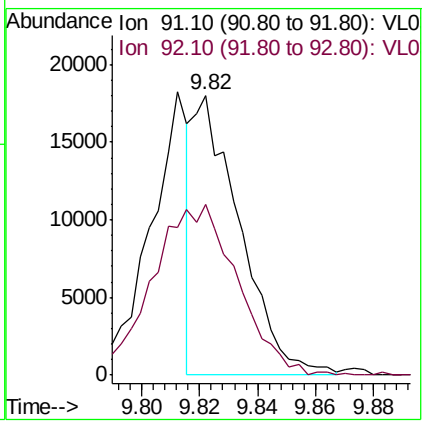


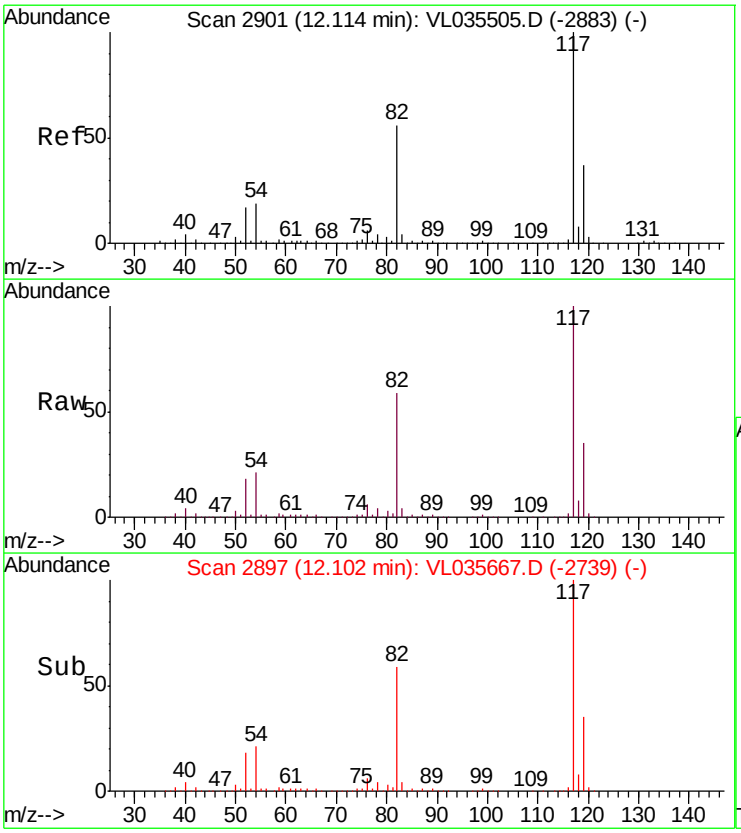
#53
Toluene
Concen: 0.056 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 91 Resp: 20011

Ion	Ratio	Lower	Upper
91	100		
92	112.1	49.8	74.8#

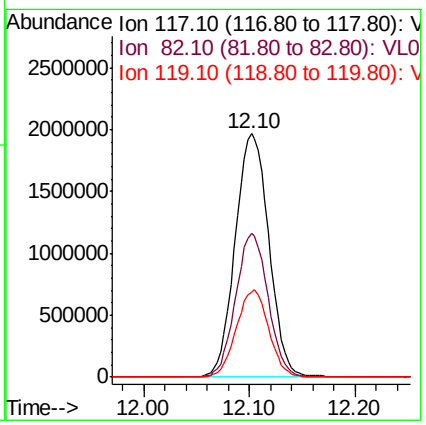


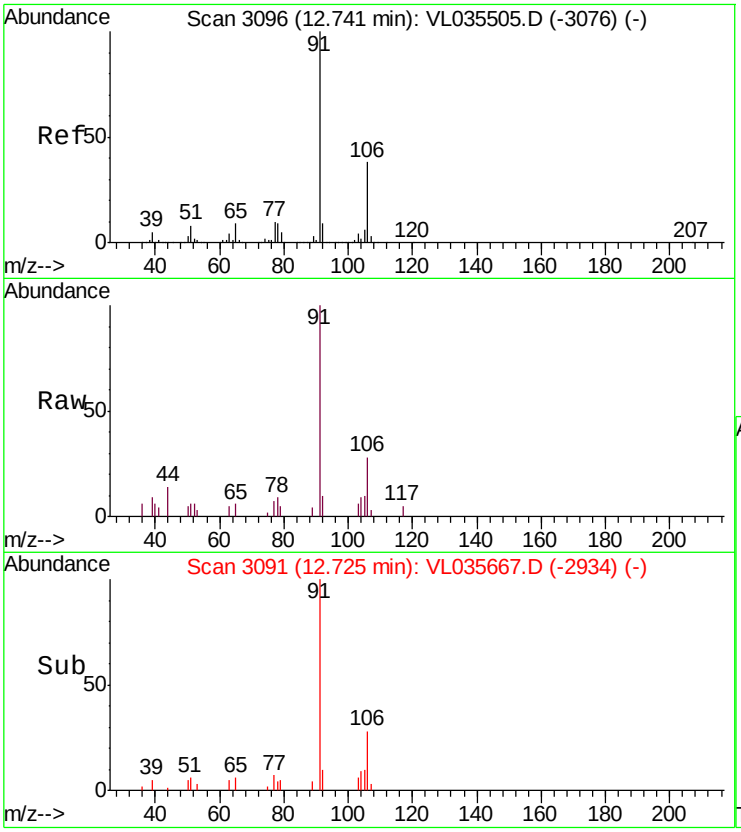


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion:117 Resp: 4368512

Ion	Ratio	Lower	Upper
117	100		
82	57.1	41.6	62.4
119	34.7	29.3	43.9



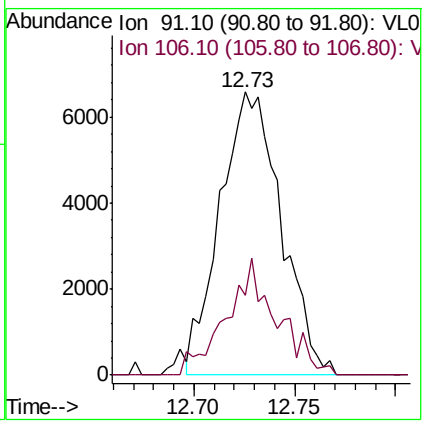


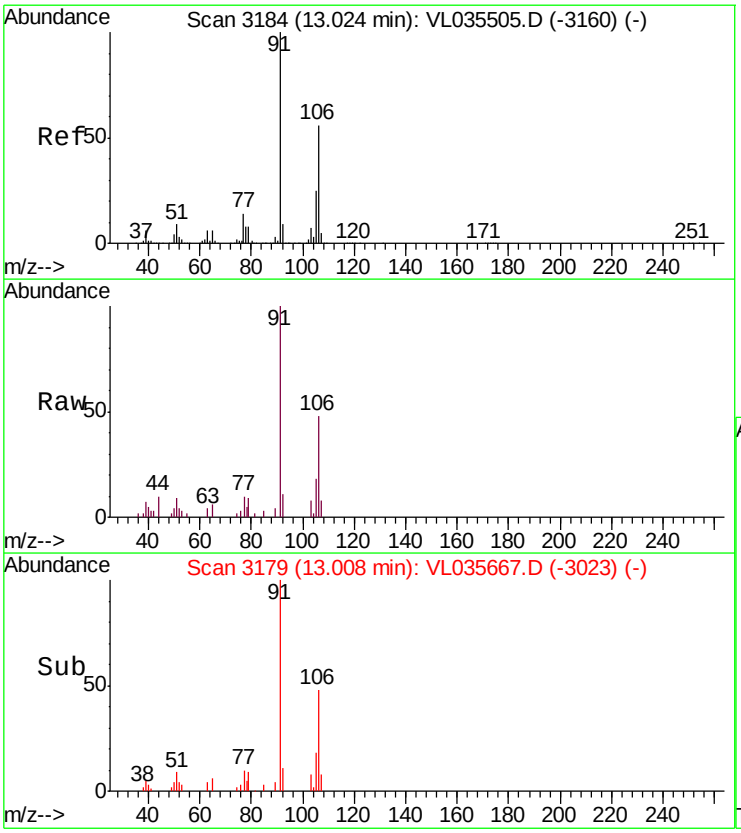
#58
Ethyl Benzene
Concen: 0.031 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 91 Resp: 13942

Ion	Ratio	Lower	Upper
91	100		
106	28.1	30.3	45.5#

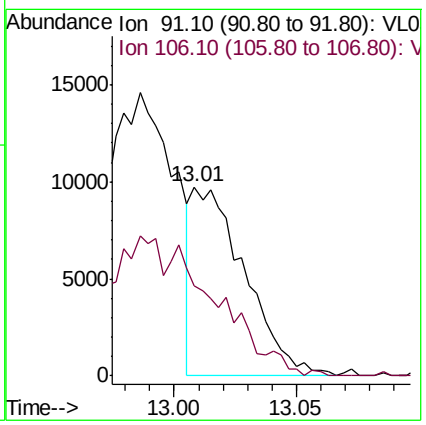


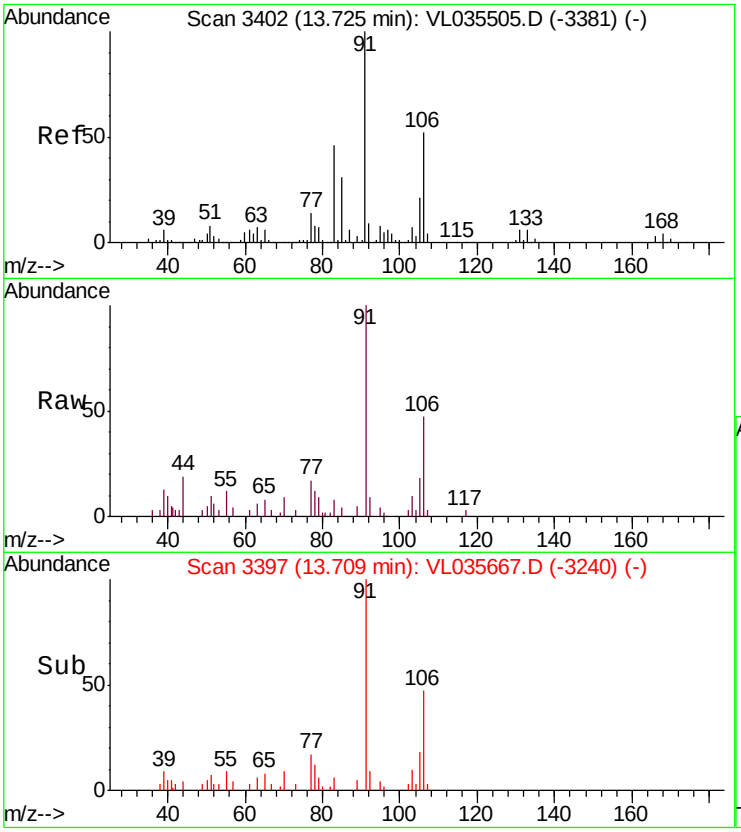


#59
m/p-Xylene
Concen: 0.039 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 91 Resp: 14518

Ion	Ratio	Lower	Upper
91	100		
106	0.0	43.4	65.2#



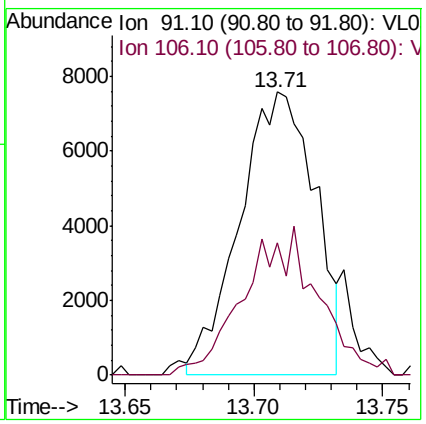


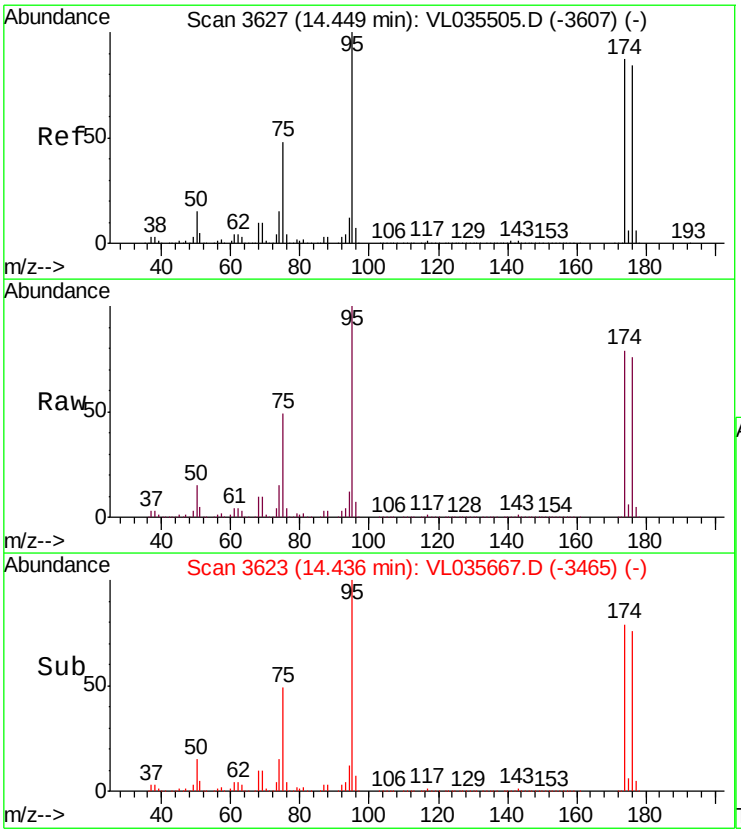
#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 91 Resp: 15461

Ion	Ratio	Lower	Upper
91	100		
106	50.9	25.8	77.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.328 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL035667.D
Acq: 17 Sep 2020 21:59

Tgt Ion: 95 Resp: 3204004

Ion	Ratio	Lower	Upper
95	100		
174	78.3	69.6	104.4
175	5.7	5.1	7.7